



Synergy Resources Corporation

**SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 34N-9C-L**

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00 ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.45 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	4/24/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	19,018.09	Plan #1 (OH)	MWD+IFR1	OWSG MWD + IFR1	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
146 COMPANY #14-1 - OH - OH	12,589.17	7,100.58	2,226.80	1,820.42	5.480	CC
146 COMPANY #14-1 - OH - OH	12,600.00	7,100.61	2,226.82	1,820.17	5.476	ES
146 COMPANY #14-1 - OH - OH	12,800.00	7,101.09	2,236.76	1,825.52	5.439	SF
ANDERSON #1-10-6-66(PA) - OH - OH	14,019.66	7,142.01	466.69	18.89	1.042	Level 2, CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	15,360.25	7,183.23	3,109.81	2,622.82	6.386	CC
ANDERSON #32-10(PR) - OH - OH	15,400.00	7,183.32	3,110.06	2,621.93	6.371	ES
ANDERSON #32-10(PR) - OH - OH	15,700.00	7,184.04	3,128.31	2,632.80	6.313	SF
ANDERSON #42-10(PR) - OH - OH	14,019.17	7,170.01	2,902.94	2,454.17	6.469	CC
ANDERSON #42-10(PR) - OH - OH	14,100.00	7,170.21	2,904.06	2,453.00	6.438	ES
ANDERSON #42-10(PR) - OH - OH	14,400.00	7,170.93	2,927.81	2,469.63	6.390	SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,679.20	7,159.80	1,684.41	1,273.47	4.099	CC
ANDERSON/JANUARY #1(PR) - OH - OH	12,700.00	7,159.85	1,684.54	1,272.99	4.093	ES
ANDERSON/JANUARY #1(PR) - OH - OH	12,800.00	7,160.09	1,688.74	1,274.58	4.078	SF
BLACK GOLD #5(PR) - OH - OH	17,290.58	7,179.86	1,202.49	661.02	2.221	CC
BLACK GOLD #5(PR) - OH - OH	17,300.00	7,179.88	1,202.53	660.77	2.220	ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	18,022.62	7,162.61	423.88	-137.75	0.755	Level 1, CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,047.73	7,166.22	1,764.12	1,419.54	5.120	CC
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,100.00	7,166.57	1,764.89	1,418.88	5.101	ES
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,200.00	7,167.23	1,770.68	1,422.69	5.088	SF
BLACKGOLD #3(PA) - OH - OH	16,864.07	7,160.83	411.85	-116.88	0.779	Level 1, CC, ES, SF
CARLSON #10-1(PA) - OH - OH	16,720.70	7,172.49	3,110.38	2,585.31	5.924	CC
CARLSON #10-1(PA) - OH - OH	16,800.00	7,172.68	3,111.39	2,584.08	5.900	ES
CARLSON #10-1(PA) - OH - OH	17,100.00	7,173.40	3,133.42	2,599.30	5.866	SF
CARLSON #14-1(PR) - OH - OH	8,976.79	7,158.26	1,189.09	1,094.43	12.562	CC
CARLSON #14-1(PR) - OH - OH	9,000.00	7,158.87	1,189.32	1,094.24	12.509	ES
CARLSON #14-1(PR) - OH - OH	9,200.00	7,164.17	1,209.84	1,111.71	12.328	SF
CARLSON #14-2(SI) - OH - OH	10,095.64	7,109.40	2,240.78	1,901.95	6.613	CC
CARLSON #14-2(SI) - OH - OH	10,100.00	7,109.38	2,240.78	1,901.84	6.611	ES
CARLSON #14-2(SI) - OH - OH	10,400.00	7,108.67	2,261.36	1,915.87	6.545	SF
Fagerberg 11C-7-M - OH - OH	2,360.23	2,299.41	54.20	32.06	2.447	CC, ES, SF
Fagerberg 11N-7A-M - OH - OH	2,103.01	2,051.99	60.47	39.83	2.930	CC, ES, SF
Fagerberg 15N-7A-M - OH - OH	7,350.00	7,301.57	211.28	139.13	2.928	SF
Fagerberg 15N-7A-M - OH - OH	7,365.91	7,292.97	210.86	138.96	2.933	CC, ES
Fagerberg 23N-7C-M - OH - OH	3,285.74	3,184.77	300.66	269.13	9.535	CC
Fagerberg 23N-7C-M - OH - OH	3,300.00	3,198.29	300.69	269.01	9.492	ES
Fagerberg 23N-7C-M - OH - OH	3,600.00	3,486.52	314.69	280.14	9.108	SF
Fagerberg 25N(S)-7B-M - OH - OH	2,167.47	2,114.72	150.75	129.71	7.166	CC, ES

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
Fagerberg 25N(S)-7B-M - OH - OH	2,200.00	2,143.32	151.52	130.16	7.096	SF
Fagerberg 25N-7B-M - OH - OH	1,807.36	1,775.61	244.29	226.00	13.358	CC, ES
Fagerberg 25N-7B-M - OH - OH	1,900.00	1,850.23	249.97	230.85	13.075	SF
Fagerberg 25N-7C-M - OH - OH	1,966.31	1,929.37	210.36	191.14	10.942	CC, ES
Fagerberg 25N-7C-M - OH - OH	2,000.00	1,957.76	211.09	191.55	10.801	SF
Fagerberg 28N-18B-M - OH - OH	7,761.72	7,342.42	644.22	569.16	8.583	CC, ES
Fagerberg 28N-18B-M - OH - OH	7,900.00	7,265.27	651.64	575.18	8.523	SF
Fagerberg 36C-7-M - OH - OH	7,662.24	7,325.90	304.97	232.70	4.220	CC, ES
Fagerberg 36C-7-M - OH - OH	7,700.00	7,299.36	306.34	233.52	4.206	SF
Fagerberg 36N-7B-M - OH - OH	7,469.81	7,415.63	17.24	-54.66	0.240	Level 1, CC, ES, SF
Fagerberg 3C-18-M - OH - OH	2,125.55	1,944.85	591.04	571.93	30.932	CC
Fagerberg 3C-18-M - OH - OH	2,200.00	2,015.33	591.53	571.72	29.850	ES
Fagerberg 3C-18-M - OH - OH	8,100.00	7,030.96	1,042.86	963.46	13.135	SF
Fagerberg 6C-7-M - OH - OH	2,588.52	2,489.66	173.16	148.71	7.081	CC
Fagerberg 6C-7-M - OH - OH	2,600.00	2,499.63	173.25	148.68	7.051	ES, SF
Fagerberg 6N-7C-M - OH - OH	2,549.69	2,452.73	193.99	169.86	8.038	CC, ES
Fagerberg 6N-7C-M - OH - OH	2,600.00	2,497.28	195.29	170.67	7.933	SF
Falken 16C-9-L - OH - Plan #1	200.00	200.00	45.17	38.50	6.768	CC
Falken 16C-9-L - OH - Plan #1	19,018.30	19,044.89	621.33	-54.21	0.920	Level 1, ES, SF
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	30.23	23.56	4.530	CC
Falken 16N-9B-L - OH - Plan #1	19,018.30	18,924.52	288.02	-385.72	0.427	Level 1, ES, SF
Falken 30C-14-S - OH - Plan #1	200.00	200.00	29.87	23.20	4.476	CC
Falken 30C-14-S - OH - Plan #1	300.00	299.15	30.03	23.14	4.361	ES
Falken 30C-14-S - OH - Plan #1	13,300.00	13,517.76	576.11	228.25	1.656	SF
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	14.94	8.27	2.239	CC
Falken 30N-14B-S - OH - Plan #1	13,336.01	13,375.26	353.40	-9.20	0.975	Level 1, ES, SF
Falken 31C-14-S - Plan #1 - Plan #1	618.25	609.87	84.39	76.22	10.334	CC
Falken 31C-14-S - Plan #1 - Plan #1	700.00	689.59	84.74	76.12	9.826	ES
Falken 31C-14-S - Plan #1 - Plan #1	13,000.00	13,480.77	1,460.63	1,121.43	4.306	SF
Falken 31N-14B-S - OH - Plan #1	618.18	611.35	69.43	61.26	8.501	CC
Falken 31N-14B-S - OH - Plan #1	700.00	691.55	69.79	61.16	8.091	ES
Falken 31N-14B-S - OH - Plan #1	13,000.00	13,256.62	1,245.05	903.44	3.645	SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	165.03	158.35	24.727	CC, ES
Falken 32C-9-L - OH - Plan #1	19,018.30	19,026.00	2,362.67	1,679.65	3.459	SF
Falken 32N-9B-L - OH - Plan #1	200.00	200.00	150.10	143.42	22.490	CC, ES
Falken 32N-9B-L - OH - Plan #1	19,018.30	18,844.35	2,146.57	1,463.17	3.141	SF
Falken 33C-9-L - OH - Plan #1	200.00	200.00	75.05	68.37	11.244	CC, ES
Falken 33C-9-L - OH - Plan #1	19,018.30	19,011.13	1,038.56	357.46	1.525	SF
Falken 33N-9A-L - OH - Plan #1	200.00	200.00	89.99	83.31	13.483	CC, ES
Falken 33N-9A-L - OH - Plan #1	19,018.30	18,701.30	1,387.09	709.09	2.046	SF
Falken 33N-9B-L - OH - Plan #1	200.00	200.00	104.92	98.24	15.720	CC, ES
Falken 33N-9B-L - OH - Plan #1	19,018.30	18,836.65	1,496.61	812.79	2.189	SF
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	60.11	53.44	9.007	CC, ES
Falken 33N-9C-L - OH - Plan #1	19,018.30	18,920.23	832.10	148.43	1.217	Level 2, SF
Falken 34C-9-L - OH - Plan #1	200.00	200.00	14.93	8.26	2.237	CC
Falken 34C-9-L - OH - Plan #1	19,018.30	19,116.22	228.73	-386.51	0.372	Level 1, ES, SF
Falken 4N-14A-S - OH - Plan #1	605.05	601.49	39.40	31.31	4.867	CC
Falken 4N-14A-S - OH - Plan #1	700.00	695.52	39.91	31.28	4.628	ES
Falken 4N-14A-S - OH - Plan #1	12,926.22	13,011.75	807.66	470.64	2.397	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	59.75	53.07	8.952	CC, ES
Falken 4N-14C-S - OH - Plan #1	12,928.29	13,220.96	1,016.91	676.80	2.990	SF
Falken 9C-9-L - OH - Plan #1	200.00	200.00	120.23	113.55	18.014	CC, ES
Falken 9C-9-L - OH - Plan #1	19,018.30	19,025.91	1,634.20	951.11	2.392	SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	135.16	128.48	20.251	CC, ES
Falken 9N-9C-L - OH - Plan #1	19,018.30	18,906.26	1,930.15	1,246.32	2.823	SF
GILLESPIE #11-1(PA) - OH - OH	200.00	204.00	2,316.60	2,306.97	240.442	CC
GILLESPIE #11-1(PA) - OH - OH	300.00	304.02	2,318.34	2,305.45	179.775	ES
GILLESPIE #11-1(PA) - OH - OH	10,600.00	7,127.81	3,116.19	2,764.35	8.857	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,920.51	6,898.95	498.49	262.97	2.117	CC, ES, SF
Harvesters Resources #15M-423(PR) - OH - OH	15,587.33	6,937.64	444.20	206.16	1.866	CC
Harvesters Resources #15M-423(PR) - OH - OH	15,600.00	6,937.63	444.39	206.16	1.865	ES, SF
Harvesters Resources #15R-243(PR) - OH - OH	15,104.45	6,883.66	505.56	288.77	2.332	CC, ES, SF
Harvesters Resources #15R-323(PR) - OH - OH	14,427.10	6,913.36	480.42	275.23	2.341	CC, ES, SF
Harvesters Resources #15R-403(PR) - OH - OH	14,757.60	6,976.58	437.29	215.48	1.971	CC, ES, SF
Harvesters Resources #15U-203(PR) - OH - OH	13,552.07	6,860.45	533.17	354.42	2.983	CC, ES
Harvesters Resources #15U-203(PR) - OH - OH	13,600.00	6,860.67	535.32	355.84	2.983	SF
Harvesters Resources #15U-443(PR) - OH - OH	14,012.40	6,927.28	442.86	244.43	2.232	CC, ES, SF
J.R. #1(PA) - OH - OH	200.00	106.00	1,519.01	1,511.86	212.288	CC
J.R. #1(PA) - OH - OH	300.00	205.98	1,520.49	1,510.69	155.191	ES
J.R. #1(PA) - OH - OH	9,200.00	7,034.46	3,024.43	2,710.98	9.649	SF
Jeff #1 - OH - OH	11,394.59	7,114.45	729.55	571.89	4.627	CC
Jeff #1 - OH - OH	11,400.00	7,114.48	729.57	571.79	4.624	ES, SF
JOHNSON #1(PA) - OH - OH	10,037.05	7,123.54	532.10	411.03	4.395	CC, ES
JOHNSON #1(PA) - OH - OH	10,100.00	7,123.82	535.81	413.11	4.367	SF
JOHNSON #11-16G6(TA) - OH - OH	9,054.55	7,109.11	744.94	432.29	2.383	CC, ES
JOHNSON #11-16G6(TA) - OH - OH	9,100.00	7,109.22	746.32	432.38	2.377	SF
JOHNSON #2(PA) - OH - OH	0.00	0.00	495.06			
JOHNSON #2(PA) - OH - OH	9,300.00	7,119.45	1,786.48	1,684.93	17.593	SF
KRISTY #1(PA) - OH - OH	12,637.38	7,118.99	747.72	555.74	3.895	CC, ES
KRISTY #1(PA) - OH - OH	12,700.00	7,119.00	750.33	557.44	3.890	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	19,018.30	11,976.00	586.66	315.22	2.161	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	19,018.30	11,988.00	390.31	40.36	1.115	Level 2, CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	19,018.30	11,790.00	560.61	275.06	1.963	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,161.46	7,109.76	907.06	566.48	2.663	CC, ES
MICHAEL I #14-2 - OH - OH	10,200.00	7,109.86	907.87	566.54	2.660	SF
Montera #10-33(PR) - OH - OH	15,217.34	7,159.89	1,972.36	1,490.22	4.091	CC
Montera #10-33(PR) - OH - OH	15,300.00	7,160.08	1,974.09	1,489.69	4.075	ES
Montera #10-33(PR) - OH - OH	15,400.00	7,160.32	1,980.80	1,494.20	4.071	SF
Montera #10-34(PR) - OH - OH	15,591.88	7,147.78	280.29	-212.00	0.569	Level 1, CC
Montera #10-34(PR) - OH - OH	15,600.00	7,147.80	280.41	-212.10	0.569	Level 1, ES, SF
Montera #10-43(SI) - OH - OH	13,882.37	7,149.68	1,841.71	1,397.49	4.146	CC
Montera #10-43(SI) - OH - OH	13,900.00	7,149.73	1,841.79	1,397.05	4.141	ES
Montera #10-43(SI) - OH - OH	14,000.00	7,149.97	1,845.46	1,398.12	4.125	SF
MONTERA I #11-11(PR) - OH - OH	11,539.63	7,150.07	1,643.31	1,264.21	4.335	CC
MONTERA I #11-11(PR) - OH - OH	11,600.00	7,150.21	1,644.42	1,263.60	4.318	ES
MONTERA I #11-11(PR) - OH - OH	11,700.00	7,150.45	1,651.12	1,267.83	4.308	SF
MONTERA I #11-14(PR) - OH - OH	11,243.72	7,131.36	463.18	92.82	1.251	Level 3, CC, ES, SF
MONTERA I #14-8 - OH - OH	8,563.93	7,104.93	2,444.17	2,142.74	8.109	CC
MONTERA I #14-8 - OH - OH	8,600.00	7,105.02	2,444.44	2,142.33	8.091	ES
MONTERA I #14-8 - OH - OH	8,900.00	7,105.74	2,467.17	2,159.36	8.015	SF
OPAL #1(PA) - OH - OH	12,680.42	7,176.80	3,065.21	2,653.64	7.448	CC
OPAL #1(PA) - OH - OH	12,800.00	7,177.09	3,067.55	2,652.62	7.393	ES
OPAL #1(PA) - OH - OH	13,100.00	7,177.81	3,093.80	2,671.58	7.328	SF
OTTOSON #2(PA) - OH - OH	7,520.06	7,096.85	2,164.69	2,096.60	31.788	CC, ES
OTTOSON #2(PA) - OH - OH	8,100.00	7,136.63	2,279.59	2,206.01	30.981	SF
OTTOSON #3(PR) - OH - OH	5,714.90	5,465.61	47.85	-7.53	0.864	Level 1, CC, ES, SF

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Well Error:	3.28 ft	Output errors are at	2.45 sigma
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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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Offset Well - Wellbore - Design						
Falken 9-11 PAD						
OTTOSON I #12-12(PR) - OH - OH	2,337.63	2,236.51	867.99	845.66	38.874	CC
OTTOSON I #12-12(PR) - OH - OH	2,400.00	2,295.76	868.19	845.27	37.889	ES
OTTOSON I #12-12(PR) - OH - OH	7,900.00	7,105.88	1,707.68	1,633.05	22.880	SF
OTTOSON I #12-25(PR) - OH - OH	5,891.68	5,629.70	1,119.75	1,062.33	19.501	CC
OTTOSON I #12-25(PR) - OH - OH	6,000.00	5,727.63	1,120.49	1,062.04	19.168	ES
OTTOSON I #12-25(PR) - OH - OH	6,750.00	6,473.78	1,150.04	1,084.44	17.530	SF
POP I #14-17 - OH - OH	9,374.17	7,103.87	1,804.30	1,484.09	5.635	CC
POP I #14-17 - OH - OH	9,400.00	7,103.94	1,804.49	1,483.71	5.625	ES
POP I #14-17 - OH - OH	9,600.00	7,104.42	1,818.38	1,493.56	5.598	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,666.82	7,142.36	1,867.47	1,344.97	3.574	CC
SOUTH WOODS #10-3(PA) - OH - OH	16,700.00	7,142.44	1,867.76	1,344.31	3.568	ES
SOUTH WOODS #10-3(PA) - OH - OH	16,800.00	7,142.68	1,872.21	1,346.42	3.561	SF
SOUTHARD #2(PR) - OH - OH	100.00	66.55	1,845.65	1,839.08	281.010	CC, ES
SOUTHARD #2(PR) - OH - OH	9,200.00	7,093.22	3,541.97	3,446.76	37.201	SF

Offset Design													Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
0.00	0.00	0.00	0.00	3.28	3.28	-131.34	-3,731.59	-4,241.65	5,649.57							
100.00	100.00	64.00	64.00	3.28	3.47	-131.34	-3,731.59	-4,241.65	5,649.45	5,642.70	6.75	836.988				
200.00	200.00	164.00	164.00	3.34	5.16	-131.34	-3,731.59	-4,241.65	5,649.45	5,640.96	8.49	665.093				
300.00	299.98	263.98	263.98	3.44	8.16	91.43	-3,731.59	-4,241.65	5,649.50	5,637.90	11.60	487.082				
400.00	399.84	363.84	363.84	3.59	11.44	91.48	-3,731.59	-4,241.65	5,649.63	5,634.60	15.03	375.951				
500.00	499.45	463.45	463.45	3.80	14.80	91.56	-3,731.59	-4,241.65	5,649.86	5,631.27	18.59	303.885				
600.00	598.70	562.70	562.70	4.04	18.20	91.68	-3,731.59	-4,241.65	5,650.21	5,627.98	22.23	254.155				
700.00	697.47	661.47	661.47	4.32	21.60	91.82	-3,731.59	-4,241.65	5,650.69	5,624.77	25.92	218.022				
800.00	795.62	759.62	759.62	4.65	24.99	92.00	-3,731.59	-4,241.65	5,651.34	5,621.70	29.64	190.688				
900.00	893.06	857.06	857.06	5.01	28.36	92.21	-3,731.59	-4,241.65	5,652.19	5,618.81	33.38	169.342				
1,000.00	989.64	953.64	953.64	5.42	31.72	92.44	-3,731.59	-4,241.65	5,653.27	5,616.14	37.13	152.242				
1,044.50	1,032.32	1,003.68	996.32	5.61	33.45	92.55	-3,731.59	-4,241.65	5,653.84	5,614.78	39.06	144.736				
1,100.00	1,085.43	1,049.43	1,049.43	5.86	35.04	92.70	-3,731.59	-4,241.65	5,654.62	5,613.71	40.90	138.250				
1,200.00	1,181.11	1,145.11	1,145.11	6.33	38.37	92.99	-3,731.59	-4,241.65	5,656.12	5,611.43	44.70	126.547				
1,300.00	1,276.80	1,240.80	1,240.80	6.81	41.70	93.27	-3,731.59	-4,241.65	5,657.78	5,609.27	48.51	116.627				
1,400.00	1,372.49	1,336.49	1,336.49	7.31	45.03	93.55	-3,731.59	-4,241.65	5,659.58	5,607.24	52.34	108.122				
1,500.00	1,468.17	1,432.17	1,432.17	7.83	48.36	93.83	-3,731.59	-4,241.65	5,661.53	5,605.34	56.19	100.755				
1,600.00	1,563.86	1,527.86	1,527.86	8.35	51.70	94.11	-3,731.59	-4,241.65	5,663.63	5,603.59	60.05	94.318				
1,700.00	1,659.55	1,623.55	1,623.55	8.88	55.03	94.39	-3,731.59	-4,241.65	5,665.88	5,601.97	63.91	88.648				
1,800.00	1,755.23	1,719.23	1,719.23	9.42	58.37	94.67	-3,731.59	-4,241.65	5,668.28	5,600.49	67.79	83.617				
1,900.00	1,850.92	1,814.92	1,814.92	9.97	61.70	94.95	-3,731.59	-4,241.65	5,670.83	5,599.16	71.67	79.125				
2,000.00	1,946.61	1,910.61	1,910.61	10.52	65.04	95.23	-3,731.59	-4,241.65	5,673.52	5,597.96	75.55	75.092				
2,100.00	2,042.29	2,006.29	2,006.29	11.07	68.37	95.51	-3,731.59	-4,241.65	5,676.36	5,596.91	79.44	71.451				
2,200.00	2,137.98	2,101.98	2,101.98	11.63	71.71	95.79	-3,731.59	-4,241.65	5,679.35	5,596.01	83.34	68.148				
2,300.00	2,233.67	2,202.33	2,197.67	12.19	75.21	96.07	-3,731.59	-4,241.65	5,682.48	5,595.08	87.40	65.019				
2,400.00	2,329.35	2,306.65	2,293.35	12.76	78.85	96.35	-3,731.59	-4,241.65	5,685.76	5,594.16	91.60	62.073				
2,500.00	2,425.04	2,389.04	2,389.04	13.32	81.72	96.62	-3,731.59	-4,241.65	5,689.19	5,594.15	95.04	59.863				
2,600.00	2,520.72	2,484.72	2,484.72	13.89	85.06	96.90	-3,731.59	-4,241.65	5,692.76	5,593.82	98.94	57.537				
2,700.00	2,616.41	2,580.41	2,580.41	14.46	88.40	97.18	-3,731.59	-4,241.65	5,696.48	5,593.64	102.85	55.388				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,800.00	2,712.10	2,676.10	2,676.10	15.03	91.74	97.46	-3,731.59	-4,241.65	5,700.35	5,593.59	106.75	53.397		
2,900.00	2,807.78	2,771.78	2,771.78	15.60	95.07	97.74	-3,731.59	-4,241.65	5,704.36	5,593.70	110.66	51.547		
3,000.00	2,903.47	2,867.47	2,867.47	16.18	98.41	98.01	-3,731.59	-4,241.65	5,708.51	5,593.94	114.57	49.824		
3,100.00	2,999.16	2,963.16	2,963.16	16.75	101.75	98.29	-3,731.59	-4,241.65	5,712.82	5,594.33	118.48	48.216		
3,200.00	3,094.84	3,058.84	3,058.84	17.33	105.09	98.56	-3,731.59	-4,241.65	5,717.26	5,594.86	122.40	46.711		
3,300.00	3,190.53	3,154.53	3,154.53	17.90	108.43	98.84	-3,731.59	-4,241.65	5,721.85	5,595.54	126.31	45.301		
3,400.00	3,286.22	3,250.22	3,250.22	18.48	111.77	99.11	-3,731.59	-4,241.65	5,726.58	5,596.36	130.22	43.976		
3,500.00	3,381.90	3,345.90	3,345.90	19.06	115.11	99.39	-3,731.59	-4,241.65	5,731.46	5,597.32	134.13	42.729		
3,600.00	3,477.59	3,441.59	3,441.59	19.64	118.45	99.66	-3,731.59	-4,241.65	5,736.48	5,598.43	138.05	41.554		
3,700.00	3,573.28	3,537.28	3,537.28	20.22	121.79	99.94	-3,731.59	-4,241.65	5,741.64	5,599.68	141.96	40.445		
3,800.00	3,668.96	3,632.96	3,632.96	20.80	125.12	100.21	-3,731.59	-4,241.65	5,746.94	5,601.07	145.88	39.396		
3,900.00	3,764.65	3,728.65	3,728.65	21.38	128.46	100.48	-3,731.59	-4,241.65	5,752.39	5,602.60	149.79	38.402		
4,000.00	3,860.33	3,824.33	3,824.33	21.96	131.80	100.76	-3,731.59	-4,241.65	5,757.98	5,604.27	153.71	37.461		
4,100.00	3,956.02	3,920.02	3,920.02	22.54	135.14	101.03	-3,731.59	-4,241.65	5,763.70	5,606.08	157.62	36.567		
4,200.00	4,051.71	4,015.71	4,015.71	23.13	138.48	101.30	-3,731.59	-4,241.65	5,769.57	5,608.04	161.54	35.717		
4,300.00	4,147.39	4,111.39	4,111.39	23.71	141.82	101.57	-3,731.59	-4,241.65	5,775.58	5,610.13	165.45	34.908		
4,400.00	4,243.08	4,207.08	4,207.08	24.29	145.16	101.84	-3,731.59	-4,241.65	5,781.73	5,612.36	169.37	34.137		
4,500.00	4,338.77	4,302.77	4,302.77	24.88	148.50	102.11	-3,731.59	-4,241.65	5,788.02	5,614.74	173.28	33.402		
4,600.00	4,434.45	4,401.55	4,398.45	25.46	151.95	102.38	-3,731.59	-4,241.65	5,794.45	5,617.14	177.31	32.680		
4,700.00	4,530.14	4,505.86	4,494.14	26.04	155.59	102.65	-3,731.59	-4,241.65	5,801.01	5,619.49	181.52	31.958		
4,800.00	4,625.83	4,589.83	4,589.83	26.63	158.52	102.92	-3,731.59	-4,241.65	5,807.71	5,622.69	185.03	31.388		
4,900.00	4,721.51	4,685.51	4,685.51	27.21	161.86	103.19	-3,731.59	-4,241.65	5,814.55	5,625.61	188.94	30.774		
5,000.00	4,817.20	4,781.20	4,781.20	27.80	165.20	103.45	-3,731.59	-4,241.65	5,821.53	5,628.68	192.86	30.186		
5,100.00	4,912.89	4,876.89	4,876.89	28.38	168.54	103.72	-3,731.59	-4,241.65	5,828.65	5,631.88	196.77	29.622		
5,200.00	5,008.57	4,972.57	4,972.57	28.97	171.88	103.98	-3,731.59	-4,241.65	5,835.90	5,635.21	200.68	29.080		
5,300.00	5,104.26	5,068.26	5,068.26	29.55	175.22	104.25	-3,731.59	-4,241.65	5,843.28	5,638.68	204.60	28.560		
5,400.00	5,199.94	5,163.94	5,163.94	30.14	178.56	104.51	-3,731.59	-4,241.65	5,850.80	5,642.29	208.51	28.060		
5,500.00	5,295.63	5,259.63	5,259.63	30.72	181.90	104.78	-3,731.59	-4,241.65	5,858.46	5,646.03	212.42	27.579		
5,600.00	5,391.32	5,355.32	5,355.32	31.31	185.24	105.04	-3,731.59	-4,241.65	5,866.25	5,649.91	216.34	27.116		
5,700.00	5,487.00	5,451.00	5,451.00	31.90	188.58	105.30	-3,731.59	-4,241.65	5,874.17	5,653.92	220.25	26.671		
5,800.00	5,582.69	5,546.69	5,546.69	32.48	191.92	105.57	-3,731.59	-4,241.65	5,882.22	5,658.06	224.16	26.241		
5,900.00	5,678.38	5,642.38	5,642.38	33.07	195.26	105.83	-3,731.59	-4,241.65	5,890.41	5,662.34	228.07	25.827		
6,000.00	5,774.06	5,738.06	5,738.06	33.65	198.60	106.09	-3,731.59	-4,241.65	5,898.73	5,666.75	231.98	25.428		
6,100.00	5,869.75	5,833.75	5,833.75	34.24	201.94	106.35	-3,731.59	-4,241.65	5,907.18	5,671.29	235.89	25.042		
6,200.00	5,965.44	5,929.44	5,929.44	34.83	205.28	106.61	-3,731.59	-4,241.65	5,915.76	5,675.96	239.80	24.669		
6,300.00	6,061.12	6,025.12	6,025.12	35.41	208.62	106.87	-3,731.59	-4,241.65	5,924.47	5,680.76	243.71	24.309		
6,400.00	6,156.81	6,120.81	6,120.81	36.00	211.96	107.12	-3,731.59	-4,241.65	5,933.31	5,685.69	247.62	23.961		
6,500.00	6,252.50	6,216.50	6,216.50	36.59	215.30	107.38	-3,731.59	-4,241.65	5,942.28	5,690.75	251.53	23.625		
6,600.00	6,348.18	6,312.18	6,312.18	37.18	218.64	107.64	-3,731.59	-4,241.65	5,951.38	5,695.94	255.44	23.299		
6,636.04	6,382.67	6,346.67	6,346.67	37.39	219.84	107.73	-3,731.59	-4,241.65	5,954.69	5,697.85	256.85	23.184		
6,650.00	6,396.05	6,360.05	6,360.05	37.47	220.31	104.52	-3,731.59	-4,241.65	5,955.84	5,698.45	257.39	23.139		
6,700.00	6,444.38	6,408.38	6,408.38	37.74	222.00	90.12	-3,731.59	-4,241.65	5,957.66	5,698.31	259.34	22.972		
6,750.00	6,493.07	6,457.07	6,457.07	37.98	223.70	71.51	-3,731.59	-4,241.65	5,955.88	5,694.61	261.28	22.795		
6,800.00	6,541.82	6,505.82	6,505.82	38.18	225.40	51.79	-3,731.59	-4,241.65	5,950.52	5,687.34	263.18	22.610		
6,850.00	6,590.35	6,554.35	6,554.35	38.35	227.09	34.99	-3,731.59	-4,241.65	5,941.60	5,676.55	265.05	22.417		
6,900.00	6,638.34	6,602.34	6,602.34	38.50	228.77	22.44	-3,731.59	-4,241.65	5,929.17	5,662.30	266.87	22.217		
6,950.00	6,685.50	6,649.50	6,649.50	38.64	230.41	13.34	-3,731.59	-4,241.65	5,913.29	5,644.65	268.64	22.012		
7,000.00	6,731.54	6,704.46	6,695.54	38.77	232.33	6.56	-3,731.59	-4,241.65	5,894.06	5,623.39	270.67	21.776		
7,050.00	6,776.18	6,740.18	6,740.18	38.90	233.58	1.23	-3,731.59	-4,241.65	5,871.61	5,599.58	272.02	21.585		
7,100.00	6,819.14	6,783.14	6,783.14	39.03	235.08	-3.23	-3,731.59	-4,241.65	5,846.05	5,572.44	273.61	21.366		
7,150.00	6,860.16	6,824.16	6,824.16	39.16	236.51	-7.21	-3,731.59	-4,241.65	5,817.56	5,542.43	275.13	21.144		
7,200.00	6,898.98	6,862.98	6,862.98	39.31	237.86	-10.97	-3,731.59	-4,241.65	5,786.31	5,509.74	276.57	20.921		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,250.00	6,935.36	6,900.64	6,899.36	39.47	239.18	-14.74	-3,731.59	-4,241.65	5,752.50	5,474.52	277.97	20.694		
7,300.00	6,969.08	6,933.08	6,933.08	39.65	240.31	-18.71	-3,731.59	-4,241.65	5,716.33	5,437.14	279.19	20.475		
7,350.00	6,999.94	6,963.94	6,963.94	39.85	241.39	-23.07	-3,731.59	-4,241.65	5,678.05	5,397.69	280.36	20.253		
7,400.00	7,027.74	7,008.26	6,991.74	40.08	242.94	-28.01	-3,731.59	-4,241.65	5,637.88	5,355.89	282.00	19.993		
7,450.00	7,052.31	7,016.31	7,016.31	40.34	243.22	-33.73	-3,731.59	-4,241.65	5,596.10	5,313.72	282.38	19.818		
7,500.00	7,073.49	7,037.49	7,037.49	40.63	243.96	-40.45	-3,731.59	-4,241.65	5,552.97	5,269.74	283.22	19.606		
7,550.00	7,091.17	7,055.17	7,055.17	40.95	244.57	-48.33	-3,731.59	-4,241.65	5,508.76	5,224.80	283.96	19.400		
7,600.00	7,105.22	7,069.22	7,069.22	41.31	245.06	-57.37	-3,731.59	-4,241.65	5,463.76	5,179.19	284.57	19.200		
7,650.00	7,115.57	7,079.57	7,079.57	41.71	245.42	-67.36	-3,731.59	-4,241.65	5,418.26	5,133.19	285.07	19.007		
7,700.00	7,122.15	7,086.15	7,086.15	42.15	245.65	-77.76	-3,731.59	-4,241.65	5,372.55	5,087.10	285.45	18.822		
7,750.00	7,124.91	7,088.91	7,088.91	42.62	245.75	-87.86	-3,731.59	-4,241.65	5,326.92	5,041.22	285.70	18.645		
7,759.54	7,125.00	7,089.00	7,089.00	42.72	245.75	-89.70	-3,731.59	-4,241.65	5,318.25	5,032.51	285.74	18.612		
7,800.00	7,125.10	7,089.10	7,089.10	43.13	245.76	-89.70	-3,731.59	-4,241.65	5,281.53	4,995.65	285.88	18.475		
7,900.00	7,125.34	7,089.34	7,089.34	44.28	245.77	-89.71	-3,731.59	-4,241.65	5,191.03	4,904.75	286.28	18.133		
8,000.00	7,125.58	7,089.58	7,089.58	45.61	245.77	-89.72	-3,731.59	-4,241.65	5,100.88	4,814.14	286.73	17.790		
8,100.00	7,125.82	7,089.82	7,089.82	47.10	245.78	-89.72	-3,731.59	-4,241.65	5,011.10	4,723.85	287.25	17.445		
8,200.00	7,126.06	7,109.94	7,090.06	48.72	246.48	-89.73	-3,731.59	-4,241.65	4,921.72	4,633.19	288.52	17.058		
8,300.00	7,126.30	7,109.70	7,090.30	50.48	246.48	-89.74	-3,731.59	-4,241.65	4,832.75	4,543.59	289.16	16.713		
8,400.00	7,126.54	7,109.46	7,090.54	52.34	246.47	-89.74	-3,731.59	-4,241.65	4,744.22	4,454.36	289.86	16.367		
8,500.00	7,126.78	7,109.22	7,090.78	54.30	246.46	-89.75	-3,731.59	-4,241.65	4,656.16	4,365.52	290.64	16.020		
8,600.00	7,127.02	7,108.98	7,091.02	56.35	246.45	-89.75	-3,731.59	-4,241.65	4,568.59	4,277.08	291.50	15.673		
8,700.00	7,127.26	7,108.74	7,091.26	58.47	246.44	-89.76	-3,731.59	-4,241.65	4,481.53	4,189.09	292.45	15.324		
8,800.00	7,127.50	7,108.50	7,091.50	60.66	246.43	-89.77	-3,731.59	-4,241.65	4,395.03	4,101.55	293.48	14.976		
8,900.00	7,127.74	7,108.26	7,091.74	62.90	246.43	-89.77	-3,731.59	-4,241.65	4,309.12	4,014.51	294.61	14.627		
9,000.00	7,127.98	7,108.02	7,091.98	65.19	246.42	-89.78	-3,731.59	-4,241.65	4,223.82	3,927.99	295.83	14.278		
9,100.00	7,128.22	7,107.78	7,092.22	67.53	246.41	-89.78	-3,731.59	-4,241.65	4,139.18	3,842.03	297.15	13.930		
9,200.00	7,128.46	7,107.54	7,092.46	69.92	246.40	-89.79	-3,731.59	-4,241.65	4,055.24	3,756.67	298.58	13.582		
9,300.00	7,128.70	7,107.30	7,092.70	72.33	246.39	-89.80	-3,731.59	-4,241.65	3,972.05	3,671.94	300.11	13.235		
9,400.00	7,128.94	7,107.06	7,092.94	74.78	246.38	-89.80	-3,731.59	-4,241.65	3,889.65	3,587.89	301.76	12.890		
9,500.00	7,129.18	7,106.82	7,093.18	77.26	246.38	-89.81	-3,731.59	-4,241.65	3,808.09	3,504.57	303.52	12.546		
9,600.00	7,129.42	7,106.58	7,093.42	79.76	246.37	-89.82	-3,731.59	-4,241.65	3,727.42	3,422.02	305.40	12.205		
9,700.00	7,129.66	7,106.34	7,093.66	82.29	246.36	-89.82	-3,731.59	-4,241.65	3,647.72	3,340.31	307.41	11.866		
9,800.00	7,129.90	7,106.10	7,093.90	84.84	246.35	-89.83	-3,731.59	-4,241.65	3,569.04	3,259.50	309.54	11.530		
9,900.00	7,130.14	7,105.86	7,094.14	87.41	246.34	-89.83	-3,731.59	-4,241.65	3,491.45	3,179.65	311.80	11.198		
10,000.00	7,130.38	7,105.62	7,094.38	90.00	246.33	-89.84	-3,731.59	-4,241.65	3,415.02	3,100.83	314.19	10.869		
10,100.00	7,130.62	7,105.38	7,094.62	92.60	246.33	-89.85	-3,731.59	-4,241.65	3,339.84	3,023.12	316.72	10.545		
10,200.00	7,130.86	7,105.15	7,094.86	95.22	246.32	-89.85	-3,731.59	-4,241.65	3,265.99	2,946.61	319.38	10.226		
10,300.00	7,131.09	7,104.91	7,095.09	97.85	246.31	-89.86	-3,731.59	-4,241.65	3,193.57	2,871.38	322.19	9.912		
10,400.00	7,131.33	7,104.67	7,095.33	100.50	246.30	-89.86	-3,731.59	-4,241.65	3,122.67	2,797.53	325.13	9.604		
10,500.00	7,131.57	7,104.43	7,095.57	103.16	246.29	-89.87	-3,731.59	-4,241.65	3,053.39	2,725.17	328.22	9.303		
10,600.00	7,131.81	7,104.19	7,095.81	105.82	246.28	-89.88	-3,731.59	-4,241.65	2,985.86	2,654.42	331.45	9.009		
10,700.00	7,132.05	7,103.95	7,096.05	108.50	246.28	-89.88	-3,731.59	-4,241.65	2,920.20	2,585.38	334.81	8.722		
10,800.00	7,132.29	7,103.71	7,096.29	111.19	246.27	-89.89	-3,731.59	-4,241.65	2,856.52	2,518.21	338.31	8.443		
10,900.00	7,132.53	7,103.47	7,096.53	113.88	246.26	-89.90	-3,731.59	-4,241.65	2,794.98	2,453.04	341.94	8.174		
11,000.00	7,132.77	7,103.23	7,096.77	116.58	246.25	-89.90	-3,731.59	-4,241.65	2,735.70	2,390.01	345.69	7.914		
11,100.00	7,133.01	7,102.99	7,097.01	119.29	246.24	-89.91	-3,731.59	-4,241.65	2,678.85	2,329.29	349.55	7.664		
11,200.00	7,133.25	7,102.75	7,097.25	122.01	246.23	-89.91	-3,731.59	-4,241.65	2,624.58	2,271.06	353.52	7.424		
11,300.00	7,133.49	7,102.51	7,097.49	124.73	246.23	-89.92	-3,731.59	-4,241.65	2,573.05	2,215.47	357.57	7.196		
11,400.00	7,133.73	7,102.27	7,097.73	127.46	246.22	-89.93	-3,731.59	-4,241.65	2,524.43	2,162.73	361.69	6.979		
11,500.00	7,133.97	7,102.03	7,097.97	130.19	246.21	-89.93	-3,731.59	-4,241.65	2,478.89	2,113.03	365.86	6.775		
11,600.00	7,134.21	7,101.79	7,098.21	132.93	246.20	-89.94	-3,731.59	-4,241.65	2,436.61	2,066.55	370.06	6.584		
11,700.00	7,134.45	7,101.55	7,098.45	135.68	246.19	-89.95	-3,731.59	-4,241.65	2,397.76	2,023.51	374.25	6.407		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,800.00	7,134.69	7,101.31	7,098.69	138.43	246.18	-89.95	-3,731.59	-4,241.65	2,362.50	1,984.09	378.41	6.243		
11,900.00	7,134.93	7,101.07	7,098.93	141.18	246.18	-89.96	-3,731.59	-4,241.65	2,331.00	1,948.49	382.51	6.094		
12,000.00	7,135.17	7,100.83	7,099.17	143.94	246.17	-89.96	-3,731.59	-4,241.65	2,303.42	1,916.91	386.51	5.960		
12,100.00	7,135.41	7,100.59	7,099.41	146.70	246.16	-89.97	-3,731.59	-4,241.65	2,279.89	1,889.51	390.38	5.840		
12,200.00	7,135.65	7,100.35	7,099.65	149.46	246.15	-89.98	-3,731.59	-4,241.65	2,260.55	1,866.46	394.09	5.736		
12,300.00	7,135.89	7,100.11	7,099.89	152.23	246.14	-89.98	-3,731.59	-4,241.65	2,245.49	1,847.90	397.59	5.648		
12,400.00	7,136.13	7,100.13	7,100.13	155.00	246.14	-89.99	-3,731.59	-4,241.65	2,234.82	1,833.94	400.87	5.575		
12,500.00	7,136.37	7,100.37	7,100.37	157.78	246.15	-89.99	-3,731.59	-4,241.65	2,228.58	1,824.67	403.91	5.518		
12,589.17	7,136.58	7,100.58	7,100.58	160.25	246.16	-90.00	-3,731.59	-4,241.65	2,226.80	1,820.42	406.37	5.480 CC		
12,600.00	7,136.61	7,100.61	7,100.61	160.55	246.16	-90.00	-3,731.59	-4,241.65	2,226.82	1,820.17	406.66	5.476 ES		
12,700.00	7,136.85	7,100.85	7,100.85	163.33	246.17	-90.01	-3,731.59	-4,241.65	2,229.55	1,820.45	409.10	5.450		
12,800.00	7,137.09	7,101.09	7,101.09	166.12	246.18	-90.01	-3,731.59	-4,241.65	2,236.76	1,825.52	411.24	5.439 SF		
12,900.00	7,137.33	7,101.33	7,101.33	168.90	246.18	-90.02	-3,731.59	-4,241.65	2,248.39	1,835.34	413.04	5.443		
13,000.00	7,137.57	7,101.57	7,101.57	171.69	246.19	-90.03	-3,731.59	-4,241.65	2,264.38	1,849.85	414.53	5.463		
13,100.00	7,137.81	7,101.81	7,101.81	174.48	246.20	-90.03	-3,731.59	-4,241.65	2,284.64	1,868.94	415.70	5.496		
13,200.00	7,138.05	7,102.05	7,102.05	177.27	246.21	-90.04	-3,731.59	-4,241.65	2,309.06	1,892.50	416.55	5.543		
13,300.00	7,138.29	7,102.29	7,102.29	180.07	246.22	-90.04	-3,731.59	-4,241.65	2,337.50	1,920.39	417.11	5.604		
13,400.00	7,138.53	7,102.53	7,102.53	182.86	246.23	-90.05	-3,731.59	-4,241.65	2,369.82	1,952.43	417.39	5.678		
13,500.00	7,138.77	7,102.77	7,102.77	185.66	246.23	-90.06	-3,731.59	-4,241.65	2,405.88	1,988.46	417.42	5.764		
13,600.00	7,139.01	7,103.01	7,103.01	188.46	246.24	-90.06	-3,731.59	-4,241.65	2,445.49	2,028.28	417.21	5.862		
13,700.00	7,139.25	7,103.25	7,103.25	191.26	246.25	-90.07	-3,731.59	-4,241.65	2,488.49	2,071.71	416.78	5.971		
13,800.00	7,139.49	7,103.49	7,103.49	194.06	246.26	-90.07	-3,731.59	-4,241.65	2,534.71	2,118.54	416.17	6.091		
13,900.00	7,139.73	7,103.73	7,103.73	196.87	246.27	-90.08	-3,731.59	-4,241.65	2,583.97	2,168.58	415.39	6.221		
14,000.00	7,139.97	7,103.97	7,103.97	199.68	246.28	-90.09	-3,731.59	-4,241.65	2,636.11	2,221.64	414.47	6.360		
14,100.00	7,140.21	7,104.21	7,104.21	202.48	246.28	-90.09	-3,731.59	-4,241.65	2,690.95	2,277.52	413.43	6.509		
14,200.00	7,140.45	7,104.45	7,104.45	205.29	246.29	-90.10	-3,731.59	-4,241.65	2,748.34	2,336.06	412.29	6.666		
14,300.00	7,140.69	7,104.69	7,104.69	208.10	246.30	-90.11	-3,731.59	-4,241.65	2,808.12	2,397.06	411.06	6.831		
14,400.00	7,140.93	7,104.93	7,104.93	210.91	246.31	-90.11	-3,731.59	-4,241.65	2,870.14	2,460.37	409.77	7.004		
14,500.00	7,141.17	7,105.17	7,105.17	213.73	246.32	-90.12	-3,731.59	-4,241.65	2,934.26	2,525.84	408.42	7.184		
14,600.00	7,141.41	7,105.41	7,105.41	216.54	246.33	-90.12	-3,731.59	-4,241.65	3,000.34	2,593.30	407.04	7.371		
14,700.00	7,141.65	7,105.65	7,105.65	219.36	246.33	-90.13	-3,731.59	-4,241.65	3,068.26	2,662.63	405.63	7.564		
14,800.00	7,141.89	7,105.89	7,105.89	222.17	246.34	-90.14	-3,731.59	-4,241.65	3,137.89	2,733.69	404.20	7.763		
14,900.00	7,142.13	7,106.13	7,106.13	224.99	246.35	-90.14	-3,731.59	-4,241.65	3,209.13	2,806.37	402.76	7.968		
15,000.00	7,142.36	7,106.36	7,106.36	227.81	246.36	-90.15	-3,731.59	-4,241.65	3,281.88	2,880.55	401.33	8.178		
15,100.00	7,142.60	7,106.60	7,106.60	230.63	246.37	-90.15	-3,731.59	-4,241.65	3,356.02	2,956.13	399.89	8.392		
15,200.00	7,142.84	7,106.84	7,106.84	233.45	246.38	-90.16	-3,731.59	-4,241.65	3,431.48	3,033.01	398.47	8.612		
15,300.00	7,143.08	7,107.08	7,107.08	236.27	246.39	-90.17	-3,731.59	-4,241.65	3,508.16	3,111.10	397.07	8.835		
15,400.00	7,143.32	7,107.32	7,107.32	239.09	246.39	-90.17	-3,731.59	-4,241.65	3,586.00	3,190.32	395.68	9.063		
15,500.00	7,143.56	7,107.56	7,107.56	241.91	246.40	-90.18	-3,731.59	-4,241.65	3,664.90	3,270.59	394.31	9.294		
15,600.00	7,143.80	7,107.80	7,107.80	244.73	246.41	-90.19	-3,731.59	-4,241.65	3,744.82	3,351.85	392.97	9.530		
15,700.00	7,144.04	7,108.04	7,108.04	247.56	246.42	-90.19	-3,731.59	-4,241.65	3,825.68	3,434.03	391.65	9.768		
15,800.00	7,144.28	7,108.28	7,108.28	250.38	246.43	-90.20	-3,731.59	-4,241.65	3,907.43	3,517.07	390.36	10.010		
15,900.00	7,144.52	7,108.52	7,108.52	253.21	246.44	-90.20	-3,731.59	-4,241.65	3,990.01	3,600.91	389.10	10.254		
16,000.00	7,144.76	7,108.76	7,108.76	256.03	246.44	-90.21	-3,731.59	-4,241.65	4,073.37	3,685.50	387.87	10.502		
16,100.00	7,145.00	7,109.00	7,109.00	258.86	246.45	-90.22	-3,731.59	-4,241.65	4,157.46	3,770.80	386.67	10.752		
16,200.00	7,145.24	7,109.24	7,109.24	261.69	246.46	-90.22	-3,731.59	-4,241.65	4,242.25	3,856.75	385.50	11.005		
16,300.00	7,145.48	7,109.48	7,109.48	264.52	246.47	-90.23	-3,731.59	-4,241.65	4,327.68	3,943.33	384.35	11.260		
16,400.00	7,145.72	7,109.72	7,109.72	267.35	246.48	-90.24	-3,731.59	-4,241.65	4,413.73	4,030.49	383.24	11.517		
16,500.00	7,145.96	7,109.96	7,109.96	270.18	246.49	-90.24	-3,731.59	-4,241.65	4,500.35	4,118.19	382.16	11.776		
16,600.00	7,146.20	7,110.20	7,110.20	273.01	246.49	-90.25	-3,731.59	-4,241.65	4,587.52	4,206.41	381.10	12.037		
16,700.00	7,146.44	7,110.44	7,110.44	275.84	246.50	-90.25	-3,731.59	-4,241.65	4,675.20	4,295.12	380.08	12.301		
16,800.00	7,146.68	7,110.68	7,110.68	278.67	246.51	-90.26	-3,731.59	-4,241.65	4,763.36	4,384.28	379.08	12.566		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
16,900.00	7,146.92	7,110.92	7,110.92	281.50	246.52	-90.27	-3,731.59	-4,241.65	4,851.99	4,473.88	378.11	12.832			
17,000.00	7,147.16	7,111.16	7,111.16	284.33	246.53	-90.27	-3,731.59	-4,241.65	4,941.05	4,563.88	377.17	13.100			
17,100.00	7,147.40	7,111.40	7,111.40	287.16	246.54	-90.28	-3,731.59	-4,241.65	5,030.52	4,654.26	376.26	13.370			
17,200.00	7,147.64	7,111.64	7,111.64	290.00	246.54	-90.28	-3,731.59	-4,241.65	5,120.38	4,745.01	375.37	13.641			
17,300.00	7,147.88	7,111.88	7,111.88	292.83	246.55	-90.29	-3,731.59	-4,241.65	5,210.61	4,836.11	374.50	13.913			
17,400.00	7,148.12	7,112.12	7,112.12	295.66	246.56	-90.30	-3,731.59	-4,241.65	5,301.19	4,927.53	373.66	14.187			
17,500.00	7,148.36	7,112.36	7,112.36	298.50	246.57	-90.30	-3,731.59	-4,241.65	5,392.10	5,019.26	372.85	14.462			
17,600.00	7,148.60	7,112.60	7,112.60	301.33	246.58	-90.31	-3,731.59	-4,241.65	5,483.33	5,111.28	372.05	14.738			
17,700.00	7,148.84	7,112.84	7,112.84	304.17	246.59	-90.32	-3,731.59	-4,241.65	5,574.86	5,203.58	371.28	15.015			
17,800.00	7,149.08	7,113.08	7,113.08	307.00	246.59	-90.32	-3,731.59	-4,241.65	5,666.68	5,296.14	370.54	15.293			
17,900.00	7,149.32	7,113.32	7,113.32	309.84	246.60	-90.33	-3,731.59	-4,241.65	5,758.77	5,388.96	369.81	15.572			
18,000.00	7,149.56	7,113.56	7,113.56	312.68	246.61	-90.33	-3,731.59	-4,241.65	5,851.12	5,482.01	369.10	15.852			
18,100.00	7,149.80	7,113.80	7,113.80	315.51	246.62	-90.34	-3,731.59	-4,241.65	5,943.71	5,575.30	368.42	16.133			
18,200.00	7,150.04	7,114.04	7,114.04	318.35	246.63	-90.35	-3,731.59	-4,241.65	6,036.55	5,668.80	367.75	16.415			
18,300.00	7,150.28	7,114.28	7,114.28	321.19	246.64	-90.35	-3,731.59	-4,241.65	6,129.61	5,762.50	367.10	16.697			
18,400.00	7,150.52	7,114.52	7,114.52	324.03	246.64	-90.36	-3,731.59	-4,241.65	6,222.88	5,856.41	366.47	16.981			
18,500.00	7,150.76	7,114.76	7,114.76	326.86	246.65	-90.36	-3,731.59	-4,241.65	6,316.36	5,950.50	365.86	17.264			
18,600.00	7,151.00	7,115.00	7,115.00	329.70	246.66	-90.37	-3,731.59	-4,241.65	6,410.03	6,044.77	365.26	17.549			
18,700.00	7,151.24	7,115.24	7,115.24	332.54	246.67	-90.38	-3,731.59	-4,241.65	6,503.90	6,139.21	364.68	17.834			
18,800.00	7,151.48	7,115.48	7,115.48	335.38	246.68	-90.38	-3,731.59	-4,241.65	6,597.94	6,233.82	364.12	18.120			
18,900.00	7,151.72	7,115.72	7,115.72	338.22	246.69	-90.39	-3,731.59	-4,241.65	6,692.16	6,328.59	363.57	18.407			
19,000.00	7,151.96	7,115.96	7,115.96	341.06	246.69	-90.40	-3,731.59	-4,241.65	6,786.54	6,423.50	363.04	18.694			
19,018.30	7,152.00	7,116.00	7,116.00	341.58	246.70	-90.40	-3,731.59	-4,241.65	6,803.83	6,440.89	362.95	18.746			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	2.00	3.28	3.28	-100.46	-1,052.56	-5,699.04	5,795.43					
100.00	100.00	102.00	102.00	3.28	3.75	-100.46	-1,052.56	-5,699.04	5,795.43	5,788.39	7.03	823.971		
200.00	200.00	202.00	202.00	3.34	6.24	-100.46	-1,052.56	-5,699.04	5,795.43	5,785.85	9.58	605.250		
300.00	299.98	301.98	301.98	3.44	9.39	122.28	-1,052.56	-5,699.04	5,796.36	5,783.53	12.83	451.833		
400.00	399.84	401.84	401.84	3.59	12.71	122.28	-1,052.56	-5,699.04	5,799.16	5,782.85	16.30	355.669		
500.00	499.45	501.45	501.45	3.80	16.10	122.27	-1,052.56	-5,699.04	5,803.82	5,783.93	19.89	291.797		
600.00	598.70	600.70	600.70	4.04	19.50	122.26	-1,052.56	-5,699.04	5,810.36	5,786.83	23.54	246.835		
700.00	697.47	700.53	699.47	4.32	22.95	122.25	-1,052.56	-5,699.04	5,818.79	5,791.52	27.27	213.395		
800.00	795.62	802.38	797.62	4.65	26.47	122.23	-1,052.56	-5,699.04	5,829.10	5,797.99	31.11	187.345		
900.00	893.06	904.94	895.06	5.01	30.03	122.21	-1,052.56	-5,699.04	5,841.32	5,806.29	35.03	166.755		
1,000.00	989.64	1,008.36	991.64	5.42	33.62	122.18	-1,052.56	-5,699.04	5,855.45	5,816.44	39.01	150.088		
1,044.50	1,032.32	1,034.32	1,034.32	5.61	34.52	122.16	-1,052.56	-5,699.04	5,862.36	5,822.26	40.10	146.185		
1,100.00	1,085.43	1,087.43	1,087.43	5.86	36.36	122.29	-1,052.56	-5,699.04	5,871.23	5,829.05	42.19	139.174		
1,200.00	1,181.11	1,183.11	1,183.11	6.33	39.69	122.52	-1,052.56	-5,699.04	5,887.29	5,841.33	45.96	128.099		
1,300.00	1,276.80	1,278.80	1,278.80	6.81	43.02	122.75	-1,052.56	-5,699.04	5,903.45	5,853.70	49.75	118.660		
1,400.00	1,372.49	1,374.49	1,374.49	7.31	46.35	122.98	-1,052.56	-5,699.04	5,919.71	5,866.15	53.56	110.529		
1,500.00	1,468.17	1,470.17	1,470.17	7.83	49.69	123.21	-1,052.56	-5,699.04	5,936.06	5,878.69	57.38	103.456		
1,600.00	1,563.86	1,565.86	1,565.86	8.35	53.02	123.43	-1,052.56	-5,699.04	5,952.52	5,891.31	61.21	97.251		
1,700.00	1,659.55	1,661.55	1,661.55	8.88	56.35	123.66	-1,052.56	-5,699.04	5,969.06	5,904.02	65.05	91.768		
1,800.00	1,755.23	1,757.23	1,757.23	9.42	59.69	123.88	-1,052.56	-5,699.04	5,985.71	5,916.82	68.89	86.888		
1,900.00	1,850.92	1,852.92	1,852.92	9.97	63.03	124.11	-1,052.56	-5,699.04	6,002.44	5,929.71	72.74	82.520		
2,000.00	1,946.61	1,948.61	1,948.61	10.52	66.36	124.33	-1,052.56	-5,699.04	6,019.28	5,942.68	76.59	78.587		
2,100.00	2,042.29	2,044.29	2,044.29	11.07	69.70	124.55	-1,052.56	-5,699.04	6,036.20	5,955.75	80.45	75.028		
2,200.00	2,137.98	2,139.98	2,139.98	11.63	73.03	124.77	-1,052.56	-5,699.04	6,053.22	5,968.90	84.31	71.794		
2,300.00	2,233.67	2,235.67	2,235.67	12.19	76.37	124.99	-1,052.56	-5,699.04	6,070.33	5,982.15	88.18	68.842		
2,400.00	2,329.35	2,331.35	2,331.35	12.76	79.71	125.21	-1,052.56	-5,699.04	6,087.52	5,995.48	92.04	66.137		
2,500.00	2,425.04	2,427.04	2,427.04	13.32	83.05	125.42	-1,052.56	-5,699.04	6,104.81	6,008.90	95.91	63.650		
2,600.00	2,520.72	2,522.72	2,522.72	13.89	86.39	125.64	-1,052.56	-5,699.04	6,122.19	6,022.41	99.78	61.356		
2,700.00	2,616.41	2,618.41	2,618.41	14.46	89.72	125.85	-1,052.56	-5,699.04	6,139.65	6,036.00	103.65	59.233		
2,800.00	2,712.10	2,714.10	2,714.10	15.03	93.06	126.07	-1,052.56	-5,699.04	6,157.21	6,049.68	107.52	57.263		
2,900.00	2,807.78	2,809.78	2,809.78	15.60	96.40	126.28	-1,052.56	-5,699.04	6,174.85	6,063.45	111.40	55.431		
3,000.00	2,903.47	2,905.47	2,905.47	16.18	99.74	126.49	-1,052.56	-5,699.04	6,192.57	6,077.30	115.27	53.722		
3,100.00	2,999.16	3,001.16	3,001.16	16.75	103.08	126.70	-1,052.56	-5,699.04	6,210.39	6,091.24	119.15	52.125		
3,200.00	3,094.84	3,103.16	3,096.84	17.33	106.64	126.91	-1,052.56	-5,699.04	6,228.28	6,105.04	123.24	50.538		
3,300.00	3,190.53	3,207.47	3,192.53	17.90	110.28	127.11	-1,052.56	-5,699.04	6,246.26	6,118.85	127.42	49.023		
3,400.00	3,286.22	3,288.22	3,288.22	18.48	113.09	127.32	-1,052.56	-5,699.04	6,264.32	6,133.55	130.77	47.903		
3,500.00	3,381.90	3,383.90	3,383.90	19.06	116.43	127.53	-1,052.56	-5,699.04	6,282.47	6,147.82	134.65	46.659		
3,600.00	3,477.59	3,479.59	3,479.59	19.64	119.77	127.73	-1,052.56	-5,699.04	6,300.70	6,162.18	138.52	45.486		
3,700.00	3,573.28	3,575.28	3,575.28	20.22	123.11	127.93	-1,052.56	-5,699.04	6,319.00	6,176.61	142.40	44.376		
3,800.00	3,668.96	3,670.96	3,670.96	20.80	126.45	128.13	-1,052.56	-5,699.04	6,337.39	6,191.12	146.27	43.326		
3,900.00	3,764.65	3,766.65	3,766.65	21.38	129.79	128.33	-1,052.56	-5,699.04	6,355.86	6,205.71	150.15	42.331		
4,000.00	3,860.33	3,862.33	3,862.33	21.96	133.13	128.53	-1,052.56	-5,699.04	6,374.41	6,220.39	154.02	41.386		
4,100.00	3,956.02	3,958.02	3,958.02	22.54	136.47	128.73	-1,052.56	-5,699.04	6,393.03	6,235.14	157.90	40.488		
4,200.00	4,051.71	4,053.71	4,053.71	23.13	139.81	128.93	-1,052.56	-5,699.04	6,411.74	6,249.96	161.77	39.634		
4,300.00	4,147.39	4,149.39	4,149.39	23.71	143.15	129.13	-1,052.56	-5,699.04	6,430.52	6,264.87	165.65	38.820		
4,400.00	4,243.08	4,245.08	4,245.08	24.29	146.49	129.32	-1,052.56	-5,699.04	6,449.37	6,279.85	169.52	38.044		
4,500.00	4,338.77	4,340.77	4,340.77	24.88	149.83	129.52	-1,052.56	-5,699.04	6,468.30	6,294.91	173.40	37.303		
4,600.00	4,434.45	4,436.45	4,436.45	25.46	153.17	129.71	-1,052.56	-5,699.04	6,487.31	6,310.04	177.27	36.595		
4,700.00	4,530.14	4,532.14	4,532.14	26.04	156.51	129.90	-1,052.56	-5,699.04	6,506.39	6,325.24	181.15	35.918		
4,800.00	4,625.83	4,627.83	4,627.83	26.63	159.85	130.09	-1,052.56	-5,699.04	6,525.54	6,340.52	185.02	35.270		
4,900.00	4,721.51	4,723.51	4,723.51	27.21	163.19	130.28	-1,052.56	-5,699.04	6,544.77	6,355.88	188.89	34.648		
5,000.00	4,817.20	4,819.20	4,819.20	27.80	166.53	130.47	-1,052.56	-5,699.04	6,564.07	6,371.30	192.77	34.052		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,914.89	4,914.89	28.38	169.87	130.66	-1,052.56	-5,699.04	6,583.44	6,386.80	196.64	33.480		
5,200.00	5,008.57	5,010.57	5,010.57	28.97	173.20	130.84	-1,052.56	-5,699.04	6,602.88	6,402.37	200.51	32.930		
5,300.00	5,104.26	5,106.26	5,106.26	29.55	176.54	131.03	-1,052.56	-5,699.04	6,622.39	6,418.01	204.38	32.402		
5,400.00	5,199.94	5,201.94	5,201.94	30.14	179.88	131.21	-1,052.56	-5,699.04	6,641.98	6,433.72	208.25	31.894		
5,500.00	5,295.63	5,302.37	5,297.63	30.72	183.39	131.40	-1,052.56	-5,699.04	6,661.63	6,449.34	212.29	31.380		
5,600.00	5,391.32	5,406.68	5,393.32	31.31	187.03	131.58	-1,052.56	-5,699.04	6,681.35	6,464.88	216.46	30.866		
5,700.00	5,487.00	5,489.00	5,489.00	31.90	189.90	131.76	-1,052.56	-5,699.04	6,701.13	6,481.27	219.87	30.478		
5,800.00	5,582.69	5,584.69	5,584.69	32.48	193.24	131.94	-1,052.56	-5,699.04	6,720.99	6,497.25	223.74	30.040		
5,900.00	5,678.38	5,680.38	5,680.38	33.07	196.58	132.12	-1,052.56	-5,699.04	6,740.91	6,513.30	227.61	29.617		
6,000.00	5,774.06	5,776.06	5,776.06	33.65	199.92	132.30	-1,052.56	-5,699.04	6,760.90	6,529.42	231.48	29.208		
6,100.00	5,869.75	5,871.75	5,871.75	34.24	203.26	132.48	-1,052.56	-5,699.04	6,780.95	6,545.61	235.34	28.813		
6,200.00	5,965.44	5,967.44	5,967.44	34.83	206.60	132.65	-1,052.56	-5,699.04	6,801.07	6,561.86	239.21	28.431		
6,300.00	6,061.12	6,063.12	6,063.12	35.41	209.94	132.83	-1,052.56	-5,699.04	6,821.25	6,578.17	243.08	28.062		
6,400.00	6,156.81	6,158.81	6,158.81	36.00	213.28	133.00	-1,052.56	-5,699.04	6,841.50	6,594.55	246.95	27.704		
6,500.00	6,252.50	6,254.50	6,254.50	36.59	216.62	133.18	-1,052.56	-5,699.04	6,861.81	6,610.99	250.82	27.358		
6,600.00	6,348.18	6,350.18	6,350.18	37.18	219.96	133.35	-1,052.56	-5,699.04	6,882.18	6,627.50	254.68	27.023		
6,636.04	6,382.67	6,384.67	6,384.67	37.39	221.17	133.41	-1,052.56	-5,699.04	6,889.54	6,633.46	256.08	26.904		
6,650.00	6,396.05	6,401.95	6,398.05	37.47	221.77	130.14	-1,052.56	-5,699.04	6,892.24	6,635.49	256.75	26.844		
6,700.00	6,444.38	6,446.38	6,446.38	37.74	223.32	115.61	-1,052.56	-5,699.04	6,899.46	6,640.90	258.55	26.685		
6,750.00	6,493.07	6,504.93	6,495.07	37.98	225.37	97.04	-1,052.56	-5,699.04	6,902.79	6,641.96	260.83	26.465		
6,800.00	6,541.82	6,543.82	6,543.82	38.18	226.72	77.51	-1,052.56	-5,699.04	6,902.22	6,639.82	262.40	26.305		
6,850.00	6,590.35	6,607.65	6,592.35	38.35	228.95	61.05	-1,052.56	-5,699.04	6,897.75	6,632.95	264.80	26.049		
6,900.00	6,638.34	6,640.34	6,640.34	38.50	230.09	49.03	-1,052.56	-5,699.04	6,889.41	6,623.32	266.09	25.892		
6,950.00	6,685.50	6,687.50	6,687.50	38.64	231.74	40.66	-1,052.56	-5,699.04	6,877.25	6,609.40	267.85	25.676		
7,000.00	6,731.54	6,733.54	6,733.54	38.77	233.35	34.80	-1,052.56	-5,699.04	6,861.35	6,591.80	269.55	25.455		
7,050.00	6,776.18	6,778.18	6,778.18	38.90	234.90	30.64	-1,052.56	-5,699.04	6,841.81	6,570.63	271.18	25.230		
7,100.00	6,819.14	6,821.14	6,821.14	39.03	236.40	27.63	-1,052.56	-5,699.04	6,818.74	6,546.01	272.73	25.002		
7,150.00	6,860.16	6,862.16	6,862.16	39.16	237.84	25.43	-1,052.56	-5,699.04	6,792.28	6,518.10	274.19	24.772		
7,200.00	6,898.98	6,900.98	6,900.98	39.31	239.19	23.84	-1,052.56	-5,699.04	6,762.61	6,487.05	275.56	24.542		
7,250.00	6,935.36	6,937.36	6,937.36	39.47	240.46	22.73	-1,052.56	-5,699.04	6,729.89	6,453.06	276.83	24.311		
7,300.00	6,969.08	6,971.08	6,971.08	39.65	241.64	22.02	-1,052.56	-5,699.04	6,694.33	6,416.34	277.99	24.081		
7,350.00	6,999.94	7,001.94	7,001.94	39.85	242.71	21.68	-1,052.56	-5,699.04	6,656.15	6,377.10	279.05	23.853		
7,400.00	7,027.74	7,029.74	7,029.74	40.08	243.69	21.70	-1,052.56	-5,699.04	6,615.58	6,335.59	279.99	23.628		
7,450.00	7,052.31	7,054.31	7,054.31	40.34	244.54	22.14	-1,052.56	-5,699.04	6,572.87	6,292.05	280.82	23.406		
7,500.00	7,073.49	7,075.49	7,075.49	40.63	245.28	23.09	-1,052.56	-5,699.04	6,528.28	6,246.76	281.52	23.189		
7,550.00	7,091.17	7,106.83	7,093.17	40.95	246.38	24.81	-1,052.56	-5,699.04	6,482.08	6,199.50	282.58	22.939		
7,600.00	7,105.22	7,107.22	7,107.22	41.31	246.39	27.80	-1,052.56	-5,699.04	6,434.56	6,151.99	282.57	22.772		
7,650.00	7,115.57	7,117.57	7,117.57	41.71	246.75	33.33	-1,052.56	-5,699.04	6,386.01	6,103.10	282.90	22.573		
7,700.00	7,122.15	7,124.15	7,124.15	42.15	246.98	45.30	-1,052.56	-5,699.04	6,336.71	6,053.60	283.11	22.383		
7,750.00	7,124.91	7,126.91	7,126.91	42.62	247.08	77.65	-1,052.56	-5,699.04	6,286.99	6,003.79	283.19	22.200		
7,759.54	7,125.00	7,127.00	7,127.00	42.72	247.08	88.16	-1,052.56	-5,699.04	6,277.47	5,994.28	283.20	22.166		
7,800.00	7,125.10	7,127.10	7,127.10	43.13	247.08	88.17	-1,052.56	-5,699.04	6,237.13	5,953.93	283.19	22.024		
7,900.00	7,125.34	7,127.34	7,127.34	44.28	247.09	88.20	-1,052.56	-5,699.04	6,137.41	5,854.22	283.19	21.672		
8,000.00	7,125.58	7,127.58	7,127.58	45.61	247.10	88.23	-1,052.56	-5,699.04	6,037.71	5,754.52	283.19	21.320		
8,100.00	7,125.82	7,127.82	7,127.82	47.10	247.11	88.26	-1,052.56	-5,699.04	5,938.01	5,654.82	283.19	20.968		
8,200.00	7,126.06	7,128.06	7,128.06	48.72	247.12	88.29	-1,052.56	-5,699.04	5,838.33	5,555.13	283.19	20.616		
8,300.00	7,126.30	7,128.30	7,128.30	50.48	247.13	88.32	-1,052.56	-5,699.04	5,738.65	5,455.45	283.20	20.263		
8,400.00	7,126.54	7,128.54	7,128.54	52.34	247.13	88.35	-1,052.56	-5,699.04	5,638.99	5,355.78	283.21	19.911		
8,500.00	7,126.78	7,128.78	7,128.78	54.30	247.14	88.38	-1,052.56	-5,699.04	5,539.34	5,256.11	283.22	19.558		
8,600.00	7,127.02	7,129.02	7,129.02	56.35	247.15	88.40	-1,052.56	-5,699.04	5,439.70	5,156.46	283.24	19.205		
8,700.00	7,127.26	7,129.26	7,129.26	58.47	247.16	88.43	-1,052.56	-5,699.04	5,340.08	5,056.82	283.26	18.852		
8,800.00	7,127.50	7,129.50	7,129.50	60.66	247.17	88.46	-1,052.56	-5,699.04	5,240.47	4,957.18	283.29	18.499		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,129.74	7,129.74	62.90	247.18	88.49	-1,052.56	-5,699.04	5,140.87	4,857.56	283.32	18.145		
9,000.00	7,127.98	7,129.98	7,129.98	65.19	247.18	88.52	-1,052.56	-5,699.04	5,041.29	4,757.94	283.35	17.792		
9,100.00	7,128.22	7,130.22	7,130.22	67.53	247.19	88.55	-1,052.56	-5,699.04	4,941.73	4,658.34	283.39	17.438		
9,200.00	7,128.46	7,130.46	7,130.46	69.92	247.20	88.58	-1,052.56	-5,699.04	4,842.19	4,558.76	283.43	17.084		
9,300.00	7,128.70	7,130.70	7,130.70	72.33	247.21	88.61	-1,052.56	-5,699.04	4,742.66	4,459.18	283.48	16.730		
9,400.00	7,128.94	7,130.94	7,130.94	74.78	247.22	88.64	-1,052.56	-5,699.04	4,643.16	4,359.62	283.54	16.376		
9,500.00	7,129.18	7,131.18	7,131.18	77.26	247.23	88.67	-1,052.56	-5,699.04	4,543.68	4,260.07	283.61	16.021		
9,600.00	7,129.42	7,131.42	7,131.42	79.76	247.23	88.70	-1,052.56	-5,699.04	4,444.22	4,160.54	283.68	15.666		
9,700.00	7,129.66	7,131.66	7,131.66	82.29	247.24	88.73	-1,052.56	-5,699.04	4,344.79	4,061.02	283.77	15.311		
9,800.00	7,129.90	7,131.90	7,131.90	84.84	247.25	88.76	-1,052.56	-5,699.04	4,245.38	3,961.52	283.86	14.956		
9,900.00	7,130.14	7,132.14	7,132.14	87.41	247.26	88.79	-1,052.56	-5,699.04	4,146.00	3,862.03	283.96	14.600		
10,000.00	7,130.38	7,132.38	7,132.38	90.00	247.27	88.82	-1,052.56	-5,699.04	4,046.65	3,762.57	284.08	14.245		
10,100.00	7,130.62	7,132.62	7,132.62	92.60	247.28	88.85	-1,052.56	-5,699.04	3,947.33	3,663.12	284.21	13.889		
10,200.00	7,130.86	7,132.86	7,132.86	95.22	247.28	88.88	-1,052.56	-5,699.04	3,848.05	3,563.69	284.36	13.532		
10,300.00	7,131.09	7,133.09	7,133.09	97.85	247.29	88.91	-1,052.56	-5,699.04	3,748.81	3,464.29	284.52	13.176		
10,400.00	7,131.33	7,133.33	7,133.33	100.50	247.30	88.93	-1,052.56	-5,699.04	3,649.61	3,364.90	284.71	12.819		
10,500.00	7,131.57	7,133.57	7,133.57	103.16	247.31	88.96	-1,052.56	-5,699.04	3,550.46	3,265.54	284.91	12.462		
10,600.00	7,131.81	7,133.81	7,133.81	105.82	247.32	88.99	-1,052.56	-5,699.04	3,451.35	3,166.21	285.14	12.104		
10,700.00	7,132.05	7,134.05	7,134.05	108.50	247.33	89.02	-1,052.56	-5,699.04	3,352.30	3,066.90	285.40	11.746		
10,800.00	7,132.29	7,134.29	7,134.29	111.19	247.33	89.05	-1,052.56	-5,699.04	3,253.30	2,967.61	285.69	11.388		
10,900.00	7,132.53	7,134.53	7,134.53	113.88	247.34	89.08	-1,052.56	-5,699.04	3,154.37	2,868.36	286.01	11.029		
11,000.00	7,132.77	7,134.77	7,134.77	116.58	247.35	89.11	-1,052.56	-5,699.04	3,055.50	2,769.14	286.37	10.670		
11,100.00	7,133.01	7,135.01	7,135.01	119.29	247.36	89.14	-1,052.56	-5,699.04	2,956.72	2,669.94	286.77	10.310		
11,200.00	7,133.25	7,135.25	7,135.25	122.01	247.37	89.17	-1,052.56	-5,699.04	2,858.01	2,570.78	287.23	9.950		
11,300.00	7,133.49	7,135.49	7,135.49	124.73	247.38	89.20	-1,052.56	-5,699.04	2,759.40	2,471.66	287.74	9.590		
11,400.00	7,133.73	7,135.73	7,135.73	127.46	247.39	89.23	-1,052.56	-5,699.04	2,660.90	2,372.58	288.32	9.229		
11,500.00	7,133.97	7,135.97	7,135.97	130.19	247.39	89.26	-1,052.56	-5,699.04	2,562.51	2,273.53	288.97	8.868		
11,600.00	7,134.21	7,136.21	7,136.21	132.93	247.40	89.29	-1,052.56	-5,699.04	2,464.25	2,174.53	289.72	8.506		
11,700.00	7,134.45	7,136.45	7,136.45	135.68	247.41	89.32	-1,052.56	-5,699.04	2,366.14	2,075.58	290.56	8.143		
11,800.00	7,134.69	7,136.69	7,136.69	138.43	247.42	89.35	-1,052.56	-5,699.04	2,268.19	1,976.68	291.51	7.781		
11,900.00	7,134.93	7,136.93	7,136.93	141.18	247.43	89.38	-1,052.56	-5,699.04	2,170.42	1,877.83	292.60	7.418		
12,000.00	7,135.17	7,137.17	7,137.17	143.94	247.44	89.41	-1,052.56	-5,699.04	2,072.87	1,779.03	293.84	7.054		
12,100.00	7,135.41	7,137.41	7,137.41	146.70	247.44	89.43	-1,052.56	-5,699.04	1,975.57	1,680.31	295.26	6.691		
12,200.00	7,135.65	7,137.65	7,137.65	149.46	247.45	89.46	-1,052.56	-5,699.04	1,878.55	1,581.66	296.89	6.327		
12,300.00	7,135.89	7,137.89	7,137.89	152.23	247.46	89.49	-1,052.56	-5,699.04	1,781.86	1,483.09	298.77	5.964		
12,400.00	7,136.13	7,138.13	7,138.13	155.00	247.47	89.52	-1,052.56	-5,699.04	1,685.55	1,384.62	300.94	5.601		
12,500.00	7,136.37	7,138.37	7,138.37	157.78	247.48	89.55	-1,052.56	-5,699.04	1,589.70	1,286.26	303.45	5.239		
12,600.00	7,136.61	7,138.61	7,138.61	160.55	247.49	89.58	-1,052.56	-5,699.04	1,494.40	1,188.03	306.37	4.878		
12,700.00	7,136.85	7,138.85	7,138.85	163.33	247.49	89.61	-1,052.56	-5,699.04	1,399.75	1,089.97	309.77	4.519		
12,800.00	7,137.09	7,139.09	7,139.09	166.12	247.50	89.64	-1,052.56	-5,699.04	1,305.90	992.13	313.77	4.162		
12,900.00	7,137.33	7,139.33	7,139.33	168.90	247.51	89.67	-1,052.56	-5,699.04	1,213.03	894.56	318.47	3.809		
13,000.00	7,137.57	7,139.57	7,139.57	171.69	247.52	89.70	-1,052.56	-5,699.04	1,121.38	797.36	324.03	3.461		
13,100.00	7,137.81	7,139.81	7,139.81	174.48	247.53	89.73	-1,052.56	-5,699.04	1,031.30	700.67	330.63	3.119		
13,200.00	7,138.05	7,140.05	7,140.05	177.27	247.54	89.76	-1,052.56	-5,699.04	943.21	604.71	338.50	2.786		
13,300.00	7,138.29	7,140.29	7,140.29	180.07	247.54	89.79	-1,052.56	-5,699.04	857.74	509.84	347.90	2.465		
13,400.00	7,138.53	7,140.53	7,140.53	182.86	247.55	89.82	-1,052.56	-5,699.04	775.74	416.63	359.12	2.160		
13,500.00	7,138.77	7,140.77	7,140.77	185.66	247.56	89.85	-1,052.56	-5,699.04	698.46	326.06	372.41	1.876		
13,600.00	7,139.01	7,141.01	7,141.01	188.46	247.57	89.88	-1,052.56	-5,699.04	627.63	239.79	387.84	1.618		
13,700.00	7,139.25	7,141.25	7,141.25	191.26	247.58	89.91	-1,052.56	-5,699.04	565.67	160.67	405.00	1.397 Level 3		
13,800.00	7,139.49	7,141.49	7,141.49	194.06	247.59	89.94	-1,052.56	-5,699.04	515.80	93.27	422.53	1.221 Level 2		
13,900.00	7,139.73	7,141.73	7,141.73	196.87	247.59	89.96	-1,052.56	-5,699.04	481.79	44.08	437.71	1.101 Level 2		
14,000.00	7,139.97	7,141.97	7,141.97	199.68	247.60	89.99	-1,052.56	-5,699.04	467.11	20.16	446.95	1.045 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,019.66	7,140.01	7,142.01	7,142.01	200.23	247.60	90.00	-1,052.56	-5,699.04	466.69	18.89	447.81	1.042	Level 2, CC, ES, SF	
14,100.00	7,140.21	7,142.21	7,142.21	202.48	247.61	90.02	-1,052.56	-5,699.04	473.56	25.78	447.78	1.058	Level 2	
14,200.00	7,140.45	7,142.45	7,142.45	205.29	247.62	90.05	-1,052.56	-5,699.04	500.33	59.60	440.72	1.135	Level 2	
14,300.00	7,140.69	7,142.69	7,142.69	208.10	247.63	90.08	-1,052.56	-5,699.04	544.42	115.72	428.70	1.270	Level 3	
14,400.00	7,140.93	7,142.93	7,142.93	210.91	247.64	90.11	-1,052.56	-5,699.04	602.05	187.18	414.87	1.451	Level 3	
14,500.00	7,141.17	7,143.17	7,143.17	213.73	247.64	90.14	-1,052.56	-5,699.04	669.72	268.41	401.31	1.669		
14,600.00	7,141.41	7,143.41	7,143.41	216.54	247.65	90.17	-1,052.56	-5,699.04	744.71	355.71	389.01	1.914		
14,700.00	7,141.65	7,143.65	7,143.65	219.36	247.66	90.20	-1,052.56	-5,699.04	825.02	446.78	378.25	2.181		
14,800.00	7,141.89	7,143.89	7,143.89	222.17	247.67	90.23	-1,052.56	-5,699.04	909.25	540.26	368.99	2.464		
14,900.00	7,142.13	7,144.13	7,144.13	224.99	247.68	90.26	-1,052.56	-5,699.04	996.39	635.31	361.08	2.759		
15,000.00	7,142.36	7,144.36	7,144.36	227.81	247.69	90.29	-1,052.56	-5,699.04	1,085.76	731.44	354.31	3.064		
15,100.00	7,142.60	7,144.60	7,144.60	230.63	247.69	90.32	-1,052.56	-5,699.04	1,176.83	828.33	348.51	3.377		
15,200.00	7,142.84	7,144.84	7,144.84	233.45	247.70	90.35	-1,052.56	-5,699.04	1,269.25	925.75	343.50	3.695		
15,300.00	7,143.08	7,145.08	7,145.08	236.27	247.71	90.38	-1,052.56	-5,699.04	1,362.74	1,023.57	339.17	4.018		
15,400.00	7,143.32	7,145.32	7,145.32	239.09	247.72	90.41	-1,052.56	-5,699.04	1,457.10	1,121.70	335.39	4.344		
15,500.00	7,143.56	7,145.56	7,145.56	241.91	247.73	90.44	-1,052.56	-5,699.04	1,552.16	1,220.07	332.09	4.674		
15,600.00	7,143.80	7,145.80	7,145.80	244.73	247.74	90.47	-1,052.56	-5,699.04	1,647.81	1,318.63	329.18	5.006		
15,700.00	7,144.04	7,146.04	7,146.04	247.56	247.75	90.49	-1,052.56	-5,699.04	1,743.94	1,417.34	326.60	5.340		
15,800.00	7,144.28	7,146.28	7,146.28	250.38	247.75	90.52	-1,052.56	-5,699.04	1,840.49	1,516.17	324.32	5.675		
15,900.00	7,144.52	7,146.52	7,146.52	253.21	247.76	90.55	-1,052.56	-5,699.04	1,937.39	1,615.11	322.28	6.012		
16,000.00	7,144.76	7,146.76	7,146.76	256.03	247.77	90.58	-1,052.56	-5,699.04	2,034.58	1,714.13	320.45	6.349		
16,100.00	7,145.00	7,147.00	7,147.00	258.86	247.78	90.61	-1,052.56	-5,699.04	2,132.04	1,813.23	318.80	6.688		
16,200.00	7,145.24	7,147.24	7,147.24	261.69	247.79	90.64	-1,052.56	-5,699.04	2,229.72	1,912.40	317.32	7.027		
16,300.00	7,145.48	7,147.48	7,147.48	264.52	247.80	90.67	-1,052.56	-5,699.04	2,327.60	2,011.62	315.98	7.366		
16,400.00	7,145.72	7,147.72	7,147.72	267.35	247.80	90.70	-1,052.56	-5,699.04	2,425.65	2,110.89	314.76	7.706		
16,500.00	7,145.96	7,147.96	7,147.96	270.18	247.81	90.73	-1,052.56	-5,699.04	2,523.86	2,210.20	313.66	8.047		
16,600.00	7,146.20	7,148.20	7,148.20	273.01	247.82	90.76	-1,052.56	-5,699.04	2,622.20	2,309.55	312.65	8.387		
16,700.00	7,146.44	7,148.44	7,148.44	275.84	247.83	90.79	-1,052.56	-5,699.04	2,720.66	2,408.94	311.72	8.728		
16,800.00	7,146.68	7,148.68	7,148.68	278.67	247.84	90.82	-1,052.56	-5,699.04	2,819.23	2,508.35	310.88	9.069		
16,900.00	7,146.92	7,148.92	7,148.92	281.50	247.85	90.85	-1,052.56	-5,699.04	2,917.90	2,607.79	310.10	9.410		
17,000.00	7,147.16	7,149.16	7,149.16	284.33	247.85	90.88	-1,052.56	-5,699.04	3,016.65	2,707.26	309.39	9.750		
17,100.00	7,147.40	7,149.40	7,149.40	287.16	247.86	90.91	-1,052.56	-5,699.04	3,115.48	2,806.75	308.73	10.091		
17,200.00	7,147.64	7,149.64	7,149.64	290.00	247.87	90.94	-1,052.56	-5,699.04	3,214.39	2,906.27	308.12	10.432		
17,300.00	7,147.88	7,149.88	7,149.88	292.83	247.88	90.97	-1,052.56	-5,699.04	3,313.36	3,005.80	307.56	10.773		
17,400.00	7,148.12	7,150.12	7,150.12	295.66	247.89	91.00	-1,052.56	-5,699.04	3,412.39	3,105.35	307.05	11.114		
17,500.00	7,148.36	7,150.36	7,150.36	298.50	247.90	91.02	-1,052.56	-5,699.04	3,511.48	3,204.91	306.57	11.454		
17,600.00	7,148.60	7,150.60	7,150.60	301.33	247.90	91.05	-1,052.56	-5,699.04	3,610.62	3,304.49	306.13	11.795		
17,700.00	7,148.84	7,150.84	7,150.84	304.17	247.91	91.08	-1,052.56	-5,699.04	3,709.80	3,404.09	305.71	12.135		
17,800.00	7,149.08	7,151.08	7,151.08	307.00	247.92	91.11	-1,052.56	-5,699.04	3,809.03	3,503.69	305.33	12.475		
17,900.00	7,149.32	7,151.32	7,151.32	309.84	247.93	91.14	-1,052.56	-5,699.04	3,908.29	3,603.31	304.98	12.815		
18,000.00	7,149.56	7,151.56	7,151.56	312.68	247.94	91.17	-1,052.56	-5,699.04	4,007.60	3,702.94	304.65	13.155		
18,100.00	7,149.80	7,151.80	7,151.80	315.51	247.95	91.20	-1,052.56	-5,699.04	4,106.93	3,802.58	304.35	13.494		
18,200.00	7,150.04	7,152.04	7,152.04	318.35	247.95	91.23	-1,052.56	-5,699.04	4,206.30	3,902.23	304.06	13.834		
18,300.00	7,150.28	7,152.28	7,152.28	321.19	247.96	91.26	-1,052.56	-5,699.04	4,305.70	4,001.89	303.80	14.173		
18,400.00	7,150.52	7,152.52	7,152.52	324.03	247.97	91.29	-1,052.56	-5,699.04	4,405.12	4,101.56	303.56	14.512		
18,500.00	7,150.76	7,152.76	7,152.76	326.86	247.98	91.32	-1,052.56	-5,699.04	4,504.57	4,201.24	303.33	14.850		
18,600.00	7,151.00	7,153.00	7,153.00	329.70	247.99	91.35	-1,052.56	-5,699.04	4,604.04	4,300.92	303.12	15.189		
18,700.00	7,151.24	7,153.24	7,153.24	332.54	248.00	91.38	-1,052.56	-5,699.04	4,703.54	4,400.61	302.93	15.527		
18,800.00	7,151.48	7,153.48	7,153.48	335.38	248.00	91.41	-1,052.56	-5,699.04	4,803.05	4,500.31	302.75	15.865		
18,900.00	7,151.72	7,153.72	7,153.72	338.22	248.01	91.44	-1,052.56	-5,699.04	4,902.59	4,600.01	302.58	16.203		
19,000.00	7,151.96	7,153.96	7,153.96	341.06	248.02	91.47	-1,052.56	-5,699.04	5,002.14	4,699.72	302.42	16.540		
19,018.30	7,152.00	7,154.00	7,154.00	341.58	248.02	91.47	-1,052.56	-5,699.04	5,020.36	4,717.97	302.40	16.602		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-77.42	1,576.99	-7,066.04	7,239.87					
100.00	100.00	140.00	140.00	3.28	4.54	-77.42	1,576.99	-7,066.04	7,239.87	7,232.05	7.83	925.021		
200.00	200.00	240.00	240.00	3.34	7.40	-77.42	1,576.99	-7,066.04	7,239.87	7,229.14	10.74	674.316		
300.00	299.98	339.98	339.98	3.44	10.64	145.32	1,576.99	-7,066.04	7,241.31	7,227.23	14.08	514.230		
400.00	399.84	439.84	439.84	3.59	14.00	145.30	1,576.99	-7,066.04	7,245.61	7,228.02	17.59	411.869		
500.00	499.45	539.45	539.45	3.80	17.40	145.25	1,576.99	-7,066.04	7,252.79	7,231.59	21.19	342.228		
600.00	598.70	638.70	638.70	4.04	20.81	145.19	1,576.99	-7,066.04	7,262.82	7,237.97	24.85	292.268		
700.00	697.47	737.47	737.47	4.32	24.22	145.12	1,576.99	-7,066.04	7,275.71	7,247.17	28.54	254.903		
800.00	795.62	835.62	835.62	4.65	27.62	145.02	1,576.99	-7,066.04	7,291.45	7,259.19	32.26	226.032		
900.00	893.06	933.06	933.06	5.01	31.00	144.90	1,576.99	-7,066.04	7,310.02	7,274.04	35.99	203.137		
1,000.00	989.64	1,029.64	1,029.64	5.42	34.36	144.76	1,576.99	-7,066.04	7,331.42	7,291.70	39.72	184.595		
1,044.50	1,032.32	1,072.32	1,072.32	5.61	35.84	144.70	1,576.99	-7,066.04	7,341.84	7,300.47	41.38	177.435		
1,100.00	1,085.43	1,125.43	1,125.43	5.86	37.69	144.77	1,576.99	-7,066.04	7,355.20	7,311.75	43.45	169.293		
1,200.00	1,181.11	1,221.11	1,221.11	6.33	41.02	144.90	1,576.99	-7,066.04	7,379.29	7,332.10	47.19	156.384		
1,300.00	1,276.80	1,316.80	1,316.80	6.81	44.35	145.02	1,576.99	-7,066.04	7,403.42	7,352.47	50.95	145.321		
1,400.00	1,372.49	1,412.49	1,412.49	7.31	47.68	145.15	1,576.99	-7,066.04	7,427.58	7,372.86	54.72	135.743		
1,500.00	1,468.17	1,508.17	1,508.17	7.83	51.01	145.28	1,576.99	-7,066.04	7,451.77	7,393.27	58.50	127.377		
1,600.00	1,563.86	1,603.86	1,603.86	8.35	54.34	145.40	1,576.99	-7,066.04	7,476.00	7,413.71	62.30	120.009		
1,700.00	1,659.55	1,700.45	1,699.55	8.88	57.71	145.53	1,576.99	-7,066.04	7,500.27	7,434.14	66.13	113.420		
1,800.00	1,755.23	1,804.77	1,795.23	9.42	61.35	145.65	1,576.99	-7,066.04	7,524.57	7,454.33	70.24	107.131		
1,900.00	1,850.92	1,909.08	1,890.92	9.97	64.98	145.77	1,576.99	-7,066.04	7,548.90	7,474.55	74.35	101.530		
2,000.00	1,946.61	1,986.61	1,986.61	10.52	67.69	145.89	1,576.99	-7,066.04	7,573.26	7,495.73	77.54	97.674		
2,100.00	2,042.29	2,082.29	2,082.29	11.07	71.02	146.02	1,576.99	-7,066.04	7,597.66	7,516.31	81.36	93.385		
2,200.00	2,137.98	2,177.98	2,177.98	11.63	74.36	146.14	1,576.99	-7,066.04	7,622.10	7,536.91	85.18	89.478		
2,300.00	2,233.67	2,273.67	2,273.67	12.19	77.70	146.26	1,576.99	-7,066.04	7,646.56	7,557.55	89.01	85.905		
2,400.00	2,329.35	2,369.35	2,369.35	12.76	81.04	146.38	1,576.99	-7,066.04	7,671.05	7,578.21	92.84	82.624		
2,500.00	2,425.04	2,465.04	2,465.04	13.32	84.37	146.49	1,576.99	-7,066.04	7,695.58	7,598.91	96.68	79.602		
2,600.00	2,520.72	2,560.72	2,560.72	13.89	87.71	146.61	1,576.99	-7,066.04	7,720.14	7,619.63	100.51	76.810		
2,700.00	2,616.41	2,656.41	2,656.41	14.46	91.05	146.73	1,576.99	-7,066.04	7,744.73	7,640.38	104.35	74.222		
2,800.00	2,712.10	2,752.10	2,752.10	15.03	94.39	146.84	1,576.99	-7,066.04	7,769.35	7,661.17	108.18	71.817		
2,900.00	2,807.78	2,847.78	2,847.78	15.60	97.73	146.96	1,576.99	-7,066.04	7,794.00	7,681.98	112.02	69.576		
3,000.00	2,903.47	2,943.47	2,943.47	16.18	101.06	147.07	1,576.99	-7,066.04	7,818.68	7,702.82	115.86	67.483		
3,100.00	2,999.16	3,039.16	3,039.16	16.75	104.40	147.19	1,576.99	-7,066.04	7,843.40	7,723.69	119.70	65.524		
3,200.00	3,094.84	3,134.84	3,134.84	17.33	107.74	147.30	1,576.99	-7,066.04	7,868.14	7,744.59	123.54	63.687		
3,300.00	3,190.53	3,230.53	3,230.53	17.90	111.08	147.41	1,576.99	-7,066.04	7,892.91	7,765.52	127.39	61.961		
3,400.00	3,286.22	3,326.22	3,326.22	18.48	114.42	147.53	1,576.99	-7,066.04	7,917.71	7,786.48	131.23	60.335		
3,500.00	3,381.90	3,421.90	3,421.90	19.06	117.76	147.64	1,576.99	-7,066.04	7,942.54	7,807.46	135.07	58.802		
3,600.00	3,477.59	3,517.59	3,517.59	19.64	121.10	147.75	1,576.99	-7,066.04	7,967.39	7,828.48	138.92	57.354		
3,700.00	3,573.28	3,613.28	3,613.28	20.22	124.44	147.86	1,576.99	-7,066.04	7,992.28	7,849.52	142.76	55.984		
3,800.00	3,668.96	3,708.96	3,708.96	20.80	127.78	147.97	1,576.99	-7,066.04	8,017.19	7,870.59	146.60	54.686		
3,900.00	3,764.65	3,804.65	3,804.65	21.38	131.12	148.07	1,576.99	-7,066.04	8,042.13	7,891.68	150.45	53.454		
4,000.00	3,860.33	3,900.33	3,900.33	21.96	134.46	148.18	1,576.99	-7,066.04	8,067.10	7,912.81	154.29	52.284		
4,100.00	3,956.02	4,003.98	3,996.02	22.54	138.07	148.29	1,576.99	-7,066.04	8,092.10	7,933.68	158.42	51.081		
4,200.00	4,051.71	4,108.29	4,091.71	23.13	141.71	148.40	1,576.99	-7,066.04	8,117.12	7,954.56	162.56	49.932		
4,300.00	4,147.39	4,187.39	4,187.39	23.71	144.47	148.50	1,576.99	-7,066.04	8,142.17	7,976.34	165.83	49.100		
4,400.00	4,243.08	4,283.08	4,283.08	24.29	147.81	148.61	1,576.99	-7,066.04	8,167.25	7,997.57	169.67	48.135		
4,500.00	4,338.77	4,378.77	4,378.77	24.88	151.15	148.71	1,576.99	-7,066.04	8,192.35	8,018.83	173.52	47.213		
4,600.00	4,434.45	4,474.45	4,474.45	25.46	154.49	148.82	1,576.99	-7,066.04	8,217.48	8,040.11	177.37	46.331		
4,700.00	4,530.14	4,570.14	4,570.14	26.04	157.83	148.92	1,576.99	-7,066.04	8,242.63	8,061.42	181.21	45.486		
4,800.00	4,625.83	4,665.83	4,665.83	26.63	161.17	149.02	1,576.99	-7,066.04	8,267.81	8,082.76	185.06	44.677		
4,900.00	4,721.51	4,761.51	4,761.51	27.21	164.51	149.12	1,576.99	-7,066.04	8,293.02	8,104.11	188.90	43.901		
5,000.00	4,817.20	4,857.20	4,857.20	27.80	167.85	149.23	1,576.99	-7,066.04	8,318.25	8,125.50	192.75	43.156		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,952.89	4,952.89	28.38	171.19	149.33	1,576.99	-7,066.04	8,343.50	8,146.91	196.59	42.440		
5,200.00	5,008.57	5,048.57	5,048.57	28.97	174.53	149.43	1,576.99	-7,066.04	8,368.78	8,168.34	200.44	41.752		
5,300.00	5,104.26	5,144.26	5,144.26	29.55	177.87	149.53	1,576.99	-7,066.04	8,394.09	8,189.80	204.29	41.090		
5,400.00	5,199.94	5,239.94	5,239.94	30.14	181.21	149.63	1,576.99	-7,066.04	8,419.42	8,211.28	208.13	40.452		
5,500.00	5,295.63	5,335.63	5,335.63	30.72	184.55	149.72	1,576.99	-7,066.04	8,444.77	8,232.79	211.98	39.838		
5,600.00	5,391.32	5,431.32	5,431.32	31.31	187.89	149.82	1,576.99	-7,066.04	8,470.15	8,254.32	215.82	39.246		
5,700.00	5,487.00	5,527.00	5,527.00	31.90	191.23	149.92	1,576.99	-7,066.04	8,495.55	8,275.88	219.67	38.674		
5,800.00	5,582.69	5,622.69	5,622.69	32.48	194.57	150.02	1,576.99	-7,066.04	8,520.97	8,297.45	223.51	38.123		
5,900.00	5,678.38	5,718.38	5,718.38	33.07	197.91	150.11	1,576.99	-7,066.04	8,546.41	8,319.06	227.36	37.590		
6,000.00	5,774.06	5,814.06	5,814.06	33.65	201.25	150.21	1,576.99	-7,066.04	8,571.88	8,340.68	231.20	37.075		
6,100.00	5,869.75	5,909.75	5,909.75	34.24	204.59	150.30	1,576.99	-7,066.04	8,597.38	8,362.33	235.05	36.577		
6,200.00	5,965.44	6,005.44	6,005.44	34.83	207.93	150.40	1,576.99	-7,066.04	8,622.89	8,384.00	238.89	36.095		
6,300.00	6,061.12	6,101.12	6,101.12	35.41	211.27	150.49	1,576.99	-7,066.04	8,648.43	8,405.69	242.74	35.628		
6,400.00	6,156.81	6,203.19	6,196.81	36.00	214.83	150.59	1,576.99	-7,066.04	8,673.99	8,427.18	246.81	35.145		
6,500.00	6,252.50	6,307.50	6,292.50	36.59	218.47	150.68	1,576.99	-7,066.04	8,699.57	8,448.61	250.95	34.666		
6,600.00	6,348.18	6,388.18	6,388.18	37.18	221.29	150.77	1,576.99	-7,066.04	8,725.17	8,470.90	254.27	34.314		
6,636.04	6,382.67	6,422.67	6,422.67	37.39	222.49	150.80	1,576.99	-7,066.04	8,734.40	8,478.74	255.66	34.164		
6,650.00	6,396.05	6,436.05	6,436.05	37.47	222.96	147.43	1,576.99	-7,066.04	8,737.84	8,481.64	256.20	34.106		
6,700.00	6,444.38	6,484.38	6,484.38	37.74	224.65	132.58	1,576.99	-7,066.04	8,747.85	8,489.72	258.13	33.890		
6,750.00	6,493.07	6,533.07	6,533.07	37.98	226.35	113.80	1,576.99	-7,066.04	8,754.22	8,494.16	260.06	33.662		
6,800.00	6,541.82	6,581.82	6,581.82	38.18	228.05	94.17	1,576.99	-7,066.04	8,756.91	8,494.94	261.97	33.427		
6,850.00	6,590.35	6,630.35	6,630.35	38.35	229.74	77.71	1,576.99	-7,066.04	8,755.91	8,492.06	263.85	33.185		
6,900.00	6,638.34	6,678.34	6,678.34	38.50	231.42	65.79	1,576.99	-7,066.04	8,751.24	8,485.56	265.68	32.939		
6,950.00	6,685.50	6,725.50	6,725.50	38.64	233.07	57.61	1,576.99	-7,066.04	8,742.93	8,475.47	267.46	32.689		
7,000.00	6,731.54	6,771.54	6,771.54	38.77	234.67	52.05	1,576.99	-7,066.04	8,731.03	8,461.86	269.17	32.437		
7,050.00	6,776.18	6,816.18	6,816.18	38.90	236.23	48.30	1,576.99	-7,066.04	8,715.62	8,444.82	270.80	32.185		
7,100.00	6,819.14	6,859.14	6,859.14	39.03	237.73	45.83	1,576.99	-7,066.04	8,696.81	8,424.45	272.35	31.932		
7,150.00	6,860.16	6,900.16	6,900.16	39.16	239.16	44.31	1,576.99	-7,066.04	8,674.71	8,400.89	273.82	31.681		
7,200.00	6,898.98	6,938.98	6,938.98	39.31	240.52	43.55	1,576.99	-7,066.04	8,649.46	8,374.27	275.19	31.431		
7,250.00	6,935.36	6,975.36	6,975.36	39.47	241.79	43.45	1,576.99	-7,066.04	8,621.23	8,344.77	276.46	31.184		
7,300.00	6,969.08	7,009.08	7,009.08	39.65	242.96	43.95	1,576.99	-7,066.04	8,590.20	8,312.57	277.63	30.941		
7,350.00	6,999.94	7,039.94	7,039.94	39.85	244.04	45.06	1,576.99	-7,066.04	8,556.55	8,277.86	278.69	30.702		
7,400.00	7,027.74	7,067.74	7,067.74	40.08	245.01	46.81	1,576.99	-7,066.04	8,520.50	8,240.85	279.65	30.469		
7,450.00	7,052.31	7,107.69	7,092.31	40.34	246.41	49.27	1,576.99	-7,066.04	8,482.27	8,201.24	281.03	30.183		
7,500.00	7,073.49	7,113.49	7,113.49	40.63	246.61	52.58	1,576.99	-7,066.04	8,442.10	8,160.88	281.22	30.020		
7,550.00	7,091.17	7,131.17	7,131.17	40.95	247.23	56.88	1,576.99	-7,066.04	8,400.24	8,118.40	281.84	29.805		
7,600.00	7,105.22	7,145.22	7,145.22	41.31	247.72	62.39	1,576.99	-7,066.04	8,356.94	8,074.60	282.34	29.599		
7,650.00	7,115.57	7,155.57	7,155.57	41.71	248.08	69.29	1,576.99	-7,066.04	8,312.46	8,029.74	282.73	29.401		
7,700.00	7,122.15	7,162.15	7,162.15	42.15	248.31	77.73	1,576.99	-7,066.04	8,267.09	7,984.10	283.00	29.213		
7,750.00	7,124.91	7,164.91	7,164.91	42.62	248.40	87.64	1,576.99	-7,066.04	8,221.10	7,937.94	283.15	29.034		
7,759.54	7,125.00	7,165.00	7,165.00	42.72	248.41	89.66	1,576.99	-7,066.04	8,212.27	7,929.10	283.17	29.001		
7,800.00	7,125.10	7,165.10	7,165.10	43.13	248.41	89.67	1,576.99	-7,066.04	8,174.84	7,891.61	283.23	28.863		
7,900.00	7,125.34	7,165.34	7,165.34	44.28	248.42	89.67	1,576.99	-7,066.04	8,082.45	7,799.03	283.42	28.517		
8,000.00	7,125.58	7,165.58	7,165.58	45.61	248.43	89.67	1,576.99	-7,066.04	7,990.24	7,706.58	283.66	28.169		
8,100.00	7,125.82	7,165.82	7,165.82	47.10	248.44	89.68	1,576.99	-7,066.04	7,898.22	7,614.28	283.94	27.817		
8,200.00	7,126.06	7,166.06	7,166.06	48.72	248.44	89.68	1,576.99	-7,066.04	7,806.40	7,522.13	284.27	27.461		
8,300.00	7,126.30	7,166.30	7,166.30	50.48	248.45	89.69	1,576.99	-7,066.04	7,714.78	7,430.13	284.65	27.103		
8,400.00	7,126.54	7,166.54	7,166.54	52.34	248.46	89.69	1,576.99	-7,066.04	7,623.37	7,338.28	285.09	26.740		
8,500.00	7,126.78	7,166.78	7,166.78	54.30	248.47	89.70	1,576.99	-7,066.04	7,532.18	7,246.60	285.58	26.375		
8,600.00	7,127.02	7,167.02	7,167.02	56.35	248.48	89.70	1,576.99	-7,066.04	7,441.21	7,155.08	286.13	26.006		
8,700.00	7,127.26	7,167.26	7,167.26	58.47	248.49	89.71	1,576.99	-7,066.04	7,350.48	7,063.74	286.74	25.635		
8,800.00	7,127.50	7,167.50	7,167.50	60.66	248.49	89.71	1,576.99	-7,066.04	7,260.00	6,972.59	287.41	25.260		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,167.74	7,167.74	62.90	248.50	89.71	1,576.99	-7,066.04	7,169.76	6,881.62	288.14	24.883		
9,000.00	7,127.98	7,167.98	7,167.98	65.19	248.51	89.72	1,576.99	-7,066.04	7,079.79	6,790.86	288.94	24.503		
9,100.00	7,128.22	7,168.22	7,168.22	67.53	248.52	89.72	1,576.99	-7,066.04	6,990.10	6,700.30	289.79	24.121		
9,200.00	7,128.46	7,168.46	7,168.46	69.92	248.53	89.73	1,576.99	-7,066.04	6,900.68	6,609.96	290.72	23.737		
9,300.00	7,128.70	7,168.70	7,168.70	72.33	248.54	89.73	1,576.99	-7,066.04	6,811.56	6,519.85	291.71	23.350		
9,400.00	7,128.94	7,168.94	7,168.94	74.78	248.54	89.74	1,576.99	-7,066.04	6,722.75	6,429.97	292.77	22.962		
9,500.00	7,129.18	7,169.18	7,169.18	77.26	248.55	89.74	1,576.99	-7,066.04	6,634.25	6,340.35	293.90	22.573		
9,600.00	7,129.42	7,169.42	7,169.42	79.76	248.56	89.75	1,576.99	-7,066.04	6,546.08	6,250.98	295.10	22.183		
9,700.00	7,129.66	7,169.66	7,169.66	82.29	248.57	89.75	1,576.99	-7,066.04	6,458.26	6,161.89	296.37	21.791		
9,800.00	7,129.90	7,169.90	7,169.90	84.84	248.58	89.75	1,576.99	-7,066.04	6,370.80	6,073.09	297.71	21.399		
9,900.00	7,130.14	7,170.14	7,170.14	87.41	248.59	89.76	1,576.99	-7,066.04	6,283.72	5,984.59	299.13	21.007		
10,000.00	7,130.38	7,170.38	7,170.38	90.00	248.59	89.76	1,576.99	-7,066.04	6,197.02	5,896.41	300.61	20.615		
10,100.00	7,130.62	7,170.62	7,170.62	92.60	248.60	89.77	1,576.99	-7,066.04	6,110.73	5,808.55	302.18	20.222		
10,200.00	7,130.86	7,170.86	7,170.86	95.22	248.61	89.77	1,576.99	-7,066.04	6,024.86	5,721.05	303.82	19.831		
10,300.00	7,131.09	7,171.09	7,171.09	97.85	248.62	89.78	1,576.99	-7,066.04	5,939.44	5,633.91	305.53	19.440		
10,400.00	7,131.33	7,171.33	7,171.33	100.50	248.63	89.78	1,576.99	-7,066.04	5,854.47	5,547.15	307.33	19.050		
10,500.00	7,131.57	7,171.57	7,171.57	103.16	248.64	89.79	1,576.99	-7,066.04	5,769.99	5,460.79	309.20	18.661		
10,600.00	7,131.81	7,171.81	7,171.81	105.82	248.64	89.79	1,576.99	-7,066.04	5,686.02	5,374.86	311.15	18.274		
10,700.00	7,132.05	7,172.05	7,172.05	108.50	248.65	89.79	1,576.99	-7,066.04	5,602.56	5,289.38	313.19	17.889		
10,800.00	7,132.29	7,172.29	7,172.29	111.19	248.66	89.80	1,576.99	-7,066.04	5,519.66	5,204.36	315.31	17.506		
10,900.00	7,132.53	7,172.53	7,172.53	113.88	248.67	89.80	1,576.99	-7,066.04	5,437.34	5,119.83	317.51	17.125		
11,000.00	7,132.77	7,172.77	7,172.77	116.58	248.68	89.81	1,576.99	-7,066.04	5,355.61	5,035.82	319.80	16.747		
11,100.00	7,133.01	7,173.01	7,173.01	119.29	248.69	89.81	1,576.99	-7,066.04	5,274.52	4,952.35	322.17	16.372		
11,200.00	7,133.25	7,173.25	7,173.25	122.01	248.69	89.82	1,576.99	-7,066.04	5,194.08	4,869.45	324.64	16.000		
11,300.00	7,133.49	7,173.49	7,173.49	124.73	248.70	89.82	1,576.99	-7,066.04	5,114.34	4,787.15	327.19	15.631		
11,400.00	7,133.73	7,173.73	7,173.73	127.46	248.71	89.83	1,576.99	-7,066.04	5,035.32	4,705.48	329.84	15.266		
11,500.00	7,133.97	7,173.97	7,173.97	130.19	248.72	89.83	1,576.99	-7,066.04	4,957.05	4,624.47	332.58	14.905		
11,600.00	7,134.21	7,174.21	7,174.21	132.93	248.73	89.83	1,576.99	-7,066.04	4,879.58	4,544.17	335.41	14.548		
11,700.00	7,134.45	7,174.45	7,174.45	135.68	248.74	89.84	1,576.99	-7,066.04	4,802.94	4,464.60	338.34	14.196		
11,800.00	7,134.69	7,174.69	7,174.69	138.43	248.75	89.84	1,576.99	-7,066.04	4,727.18	4,385.81	341.37	13.848		
11,900.00	7,134.93	7,174.93	7,174.93	141.18	248.75	89.85	1,576.99	-7,066.04	4,652.33	4,307.84	344.49	13.505		
12,000.00	7,135.17	7,175.17	7,175.17	143.94	248.76	89.85	1,576.99	-7,066.04	4,578.44	4,230.72	347.72	13.167		
12,100.00	7,135.41	7,175.41	7,175.41	146.70	248.77	89.86	1,576.99	-7,066.04	4,505.56	4,154.52	351.04	12.835		
12,200.00	7,135.65	7,175.65	7,175.65	149.46	248.78	89.86	1,576.99	-7,066.04	4,433.74	4,079.27	354.47	12.508		
12,300.00	7,135.89	7,175.89	7,175.89	152.23	248.79	89.86	1,576.99	-7,066.04	4,363.03	4,005.03	358.00	12.187		
12,400.00	7,136.13	7,176.13	7,176.13	155.00	248.80	89.87	1,576.99	-7,066.04	4,293.48	3,931.85	361.62	11.873		
12,500.00	7,136.37	7,176.37	7,176.37	157.78	248.80	89.87	1,576.99	-7,066.04	4,225.15	3,859.80	365.35	11.565		
12,600.00	7,136.61	7,176.61	7,176.61	160.55	248.81	89.88	1,576.99	-7,066.04	4,158.11	3,788.92	369.18	11.263		
12,700.00	7,136.85	7,176.85	7,176.85	163.33	248.82	89.88	1,576.99	-7,066.04	4,092.41	3,719.30	373.11	10.968		
12,800.00	7,137.09	7,177.09	7,177.09	166.12	248.83	89.89	1,576.99	-7,066.04	4,028.12	3,650.98	377.14	10.681		
12,900.00	7,137.33	7,177.33	7,177.33	168.90	248.84	89.89	1,576.99	-7,066.04	3,965.31	3,584.06	381.26	10.401		
13,000.00	7,137.57	7,177.57	7,177.57	171.69	248.85	89.90	1,576.99	-7,066.04	3,904.06	3,518.59	385.47	10.128		
13,100.00	7,137.81	7,177.81	7,177.81	174.48	248.85	89.90	1,576.99	-7,066.04	3,844.43	3,454.66	389.77	9.863		
13,200.00	7,138.05	7,178.05	7,178.05	177.27	248.86	89.90	1,576.99	-7,066.04	3,786.50	3,392.35	394.15	9.607		
13,300.00	7,138.29	7,178.29	7,178.29	180.07	248.87	89.91	1,576.99	-7,066.04	3,730.35	3,331.75	398.60	9.359		
13,400.00	7,138.53	7,178.53	7,178.53	182.86	248.88	89.91	1,576.99	-7,066.04	3,676.07	3,272.94	403.13	9.119		
13,500.00	7,138.77	7,178.77	7,178.77	185.66	248.89	89.92	1,576.99	-7,066.04	3,623.73	3,216.01	407.72	8.888		
13,600.00	7,139.01	7,179.01	7,179.01	188.46	248.90	89.92	1,576.99	-7,066.04	3,573.42	3,161.07	412.36	8.666		
13,700.00	7,139.25	7,179.25	7,179.25	191.26	248.90	89.93	1,576.99	-7,066.04	3,525.24	3,108.20	417.04	8.453		
13,800.00	7,139.49	7,179.49	7,179.49	194.06	248.91	89.93	1,576.99	-7,066.04	3,479.26	3,057.51	421.75	8.250		
13,900.00	7,139.73	7,179.73	7,179.73	196.87	248.92	89.94	1,576.99	-7,066.04	3,435.58	3,009.10	426.48	8.056		
14,000.00	7,139.97	7,179.97	7,179.97	199.68	248.93	89.94	1,576.99	-7,066.04	3,394.29	2,963.07	431.21	7.871		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	7,180.21	7,180.21	202.48	248.94	89.94	1,576.99	-7,066.04	3,355.46	2,919.53	435.94	7.697		
14,200.00	7,140.45	7,180.45	7,180.45	205.29	248.95	89.95	1,576.99	-7,066.04	3,319.20	2,878.57	440.63	7.533		
14,300.00	7,140.69	7,180.69	7,180.69	208.10	248.95	89.95	1,576.99	-7,066.04	3,285.58	2,840.30	445.28	7.379		
14,400.00	7,140.93	7,180.93	7,180.93	210.91	248.96	89.96	1,576.99	-7,066.04	3,254.68	2,804.82	449.86	7.235		
14,500.00	7,141.17	7,181.17	7,181.17	213.73	248.97	89.96	1,576.99	-7,066.04	3,226.60	2,772.23	454.36	7.101		
14,600.00	7,141.41	7,181.41	7,181.41	216.54	248.98	89.97	1,576.99	-7,066.04	3,201.39	2,742.62	458.77	6.978		
14,700.00	7,141.65	7,181.65	7,181.65	219.36	248.99	89.97	1,576.99	-7,066.04	3,179.12	2,716.08	463.05	6.866		
14,800.00	7,141.89	7,181.89	7,181.89	222.17	249.00	89.98	1,576.99	-7,066.04	3,159.87	2,692.68	467.19	6.764		
14,900.00	7,142.13	7,182.13	7,182.13	224.99	249.00	89.98	1,576.99	-7,066.04	3,143.68	2,672.51	471.17	6.672		
15,000.00	7,142.36	7,182.36	7,182.36	227.81	249.01	89.98	1,576.99	-7,066.04	3,130.60	2,655.63	474.98	6.591		
15,100.00	7,142.60	7,182.60	7,182.60	230.63	249.02	89.99	1,576.99	-7,066.04	3,120.68	2,642.09	478.59	6.521		
15,200.00	7,142.84	7,182.84	7,182.84	233.45	249.03	89.99	1,576.99	-7,066.04	3,113.93	2,631.93	482.00	6.460		
15,300.00	7,143.08	7,183.08	7,183.08	236.27	249.04	90.00	1,576.99	-7,066.04	3,110.39	2,625.21	485.18	6.411		
15,360.25	7,143.23	7,183.23	7,183.23	237.97	249.04	90.00	1,576.99	-7,066.04	3,109.81	2,622.82	486.99	6.386 CC		
15,400.00	7,143.32	7,183.32	7,183.32	239.09	249.05	90.00	1,576.99	-7,066.04	3,110.06	2,621.93	488.13	6.371 ES		
15,500.00	7,143.56	7,183.56	7,183.56	241.91	249.05	90.01	1,576.99	-7,066.04	3,112.94	2,622.10	490.84	6.342		
15,600.00	7,143.80	7,183.80	7,183.80	244.73	249.06	90.01	1,576.99	-7,066.04	3,119.03	2,625.73	493.30	6.323		
15,700.00	7,144.04	7,184.04	7,184.04	247.56	249.07	90.02	1,576.99	-7,066.04	3,128.31	2,632.80	495.51	6.313 SF		
15,800.00	7,144.28	7,184.28	7,184.28	250.38	249.08	90.02	1,576.99	-7,066.04	3,140.74	2,643.29	497.46	6.314		
15,900.00	7,144.52	7,184.52	7,184.52	253.21	249.09	90.02	1,576.99	-7,066.04	3,156.30	2,657.15	499.15	6.323		
16,000.00	7,144.76	7,184.76	7,184.76	256.03	249.10	90.03	1,576.99	-7,066.04	3,174.93	2,674.34	500.58	6.342		
16,100.00	7,145.00	7,185.00	7,185.00	258.86	249.11	90.03	1,576.99	-7,066.04	3,196.58	2,694.81	501.77	6.371		
16,200.00	7,145.24	7,185.24	7,185.24	261.69	249.11	90.04	1,576.99	-7,066.04	3,221.19	2,718.47	502.72	6.408		
16,300.00	7,145.48	7,185.48	7,185.48	264.52	249.12	90.04	1,576.99	-7,066.04	3,248.69	2,745.27	503.42	6.453		
16,400.00	7,145.72	7,185.72	7,185.72	267.35	249.13	90.05	1,576.99	-7,066.04	3,279.02	2,775.11	503.91	6.507		
16,500.00	7,145.96	7,185.96	7,185.96	270.18	249.14	90.05	1,576.99	-7,066.04	3,312.09	2,807.91	504.17	6.569		
16,600.00	7,146.20	7,186.20	7,186.20	273.01	249.15	90.05	1,576.99	-7,066.04	3,347.81	2,843.58	504.24	6.639		
16,700.00	7,146.44	7,186.44	7,186.44	275.84	249.16	90.06	1,576.99	-7,066.04	3,386.12	2,882.01	504.11	6.717		
16,800.00	7,146.68	7,186.68	7,186.68	278.67	249.16	90.06	1,576.99	-7,066.04	3,426.92	2,923.11	503.81	6.802		
16,900.00	7,146.92	7,186.92	7,186.92	281.50	249.17	90.07	1,576.99	-7,066.04	3,470.12	2,966.78	503.34	6.894		
17,000.00	7,147.16	7,187.16	7,187.16	284.33	249.18	90.07	1,576.99	-7,066.04	3,515.63	3,012.91	502.72	6.993		
17,100.00	7,147.40	7,187.40	7,187.40	287.16	249.19	90.08	1,576.99	-7,066.04	3,563.37	3,061.41	501.96	7.099		
17,200.00	7,147.64	7,187.64	7,187.64	290.00	249.20	90.08	1,576.99	-7,066.04	3,613.25	3,112.17	501.08	7.211		
17,300.00	7,147.88	7,187.88	7,187.88	292.83	249.21	90.09	1,576.99	-7,066.04	3,665.17	3,165.09	500.09	7.329		
17,400.00	7,148.12	7,188.12	7,188.12	295.66	249.21	90.09	1,576.99	-7,066.04	3,719.06	3,220.07	498.99	7.453		
17,500.00	7,148.36	7,188.36	7,188.36	298.50	249.22	90.09	1,576.99	-7,066.04	3,774.84	3,277.03	497.81	7.583		
17,600.00	7,148.60	7,188.60	7,188.60	301.33	249.23	90.10	1,576.99	-7,066.04	3,832.41	3,335.85	496.55	7.718		
17,700.00	7,148.84	7,188.84	7,188.84	304.17	249.24	90.10	1,576.99	-7,066.04	3,891.69	3,396.47	495.22	7.858		
17,800.00	7,149.08	7,189.08	7,189.08	307.00	249.25	90.11	1,576.99	-7,066.04	3,952.62	3,458.78	493.84	8.004		
17,900.00	7,149.32	7,189.32	7,189.32	309.84	249.26	90.11	1,576.99	-7,066.04	4,015.12	3,522.71	492.40	8.154		
18,000.00	7,149.56	7,189.56	7,189.56	312.68	249.26	90.12	1,576.99	-7,066.04	4,079.11	3,588.18	490.93	8.309		
18,100.00	7,149.80	7,189.80	7,189.80	315.51	249.27	90.12	1,576.99	-7,066.04	4,144.52	3,655.10	489.42	8.468		
18,200.00	7,150.04	7,190.04	7,190.04	318.35	249.28	90.13	1,576.99	-7,066.04	4,211.30	3,722.72	488.58	8.619		
18,300.00	7,150.28	7,190.28	7,190.28	321.19	249.29	90.13	1,576.99	-7,066.04	4,279.36	3,792.36	487.01	8.787		
18,400.00	7,150.52	7,190.52	7,190.52	324.03	249.29	90.13	1,576.99	-7,066.04	4,348.67	3,863.25	485.42	8.959		
18,500.00	7,150.76	7,190.76	7,190.76	326.86	249.29	90.14	1,576.99	-7,066.04	4,419.15	3,935.32	483.82	9.134		
18,600.00	7,151.00	7,191.00	7,191.00	329.70	249.29	90.14	1,576.99	-7,066.04	4,490.75	4,008.53	482.22	9.313		
18,700.00	7,151.24	7,191.24	7,191.24	332.54	249.29	90.15	1,576.99	-7,066.04	4,563.41	4,082.80	480.61	9.495		
18,800.00	7,151.48	7,191.48	7,191.48	335.38	249.29	90.15	1,576.99	-7,066.04	4,637.10	4,158.09	479.01	9.681		
18,900.00	7,151.72	7,191.72	7,191.72	338.22	249.29	90.16	1,576.99	-7,066.04	4,711.75	4,234.34	477.42	9.869		
19,000.00	7,151.96	7,191.96	7,191.96	341.06	249.29	90.16	1,576.99	-7,066.04	4,787.34	4,311.50	475.83	10.061		
19,018.30	7,152.00	7,192.00	7,192.00	341.58	249.29	90.16	1,576.99	-7,066.04	4,801.26	4,325.72	475.54	10.096		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	30.00	30.00	3.28	3.32	-76.41	1,383.57	-5,722.95	5,887.82					
100.00	100.00	130.00	130.00	3.28	4.31	-76.41	1,383.57	-5,722.95	5,887.82	5,880.23	7.59	775.467		
200.00	200.00	230.00	230.00	3.34	7.09	-76.41	1,383.57	-5,722.95	5,887.82	5,877.39	10.43	564.758		
300.00	299.98	329.98	329.98	3.44	10.31	146.33	1,383.57	-5,722.95	5,889.27	5,875.52	13.75	428.301		
400.00	399.84	429.84	429.84	3.59	13.66	146.31	1,383.57	-5,722.95	5,893.63	5,876.38	17.25	341.601		
500.00	499.45	529.45	529.45	3.80	17.06	146.28	1,383.57	-5,722.95	5,900.89	5,880.04	20.85	283.013		
600.00	598.70	628.70	628.70	4.04	20.47	146.23	1,383.57	-5,722.95	5,911.04	5,886.54	24.51	241.215		
700.00	697.47	727.47	727.47	4.32	23.88	146.17	1,383.57	-5,722.95	5,924.09	5,895.90	28.20	210.096		
800.00	795.62	825.62	825.62	4.65	27.27	146.09	1,383.57	-5,722.95	5,940.03	5,908.12	31.91	186.141		
900.00	893.06	923.06	923.06	5.01	30.65	146.00	1,383.57	-5,722.95	5,958.84	5,923.20	35.64	167.207		
1,000.00	989.64	1,019.64	1,019.64	5.42	34.01	145.89	1,383.57	-5,722.95	5,980.51	5,941.14	39.37	151.918		
1,044.50	1,032.32	1,062.32	1,062.32	5.61	35.49	145.83	1,383.57	-5,722.95	5,991.07	5,950.04	41.03	146.025		
1,100.00	1,085.43	1,115.43	1,115.43	5.86	37.34	145.92	1,383.57	-5,722.95	6,004.60	5,961.50	43.10	139.332		
1,200.00	1,181.11	1,211.11	1,211.11	6.33	40.67	146.07	1,383.57	-5,722.95	6,029.01	5,982.17	46.83	128.731		
1,300.00	1,276.80	1,306.80	1,306.80	6.81	44.00	146.22	1,383.57	-5,722.95	6,053.46	6,002.87	50.59	119.656		
1,400.00	1,372.49	1,402.49	1,402.49	7.31	47.33	146.37	1,383.57	-5,722.95	6,077.95	6,023.59	54.36	111.808		
1,500.00	1,468.17	1,501.83	1,498.17	7.83	50.79	146.52	1,383.57	-5,722.95	6,102.48	6,044.21	58.27	104.728		
1,600.00	1,563.86	1,606.14	1,593.86	8.35	54.42	146.67	1,383.57	-5,722.95	6,127.05	6,064.69	62.36	98.251		
1,700.00	1,659.55	1,689.55	1,689.55	8.88	57.33	146.82	1,383.57	-5,722.95	6,151.66	6,085.92	65.73	93.586		
1,800.00	1,755.23	1,785.23	1,785.23	9.42	60.67	146.96	1,383.57	-5,722.95	6,176.30	6,106.77	69.54	88.819		
1,900.00	1,850.92	1,880.92	1,880.92	9.97	64.00	147.11	1,383.57	-5,722.95	6,200.99	6,127.64	73.35	84.541		
2,000.00	1,946.61	1,976.61	1,976.61	10.52	67.34	147.25	1,383.57	-5,722.95	6,225.71	6,148.55	77.16	80.681		
2,100.00	2,042.29	2,072.29	2,072.29	11.07	70.67	147.39	1,383.57	-5,722.95	6,250.48	6,169.49	80.98	77.182		
2,200.00	2,137.98	2,167.98	2,167.98	11.63	74.01	147.53	1,383.57	-5,722.95	6,275.27	6,190.47	84.81	73.996		
2,300.00	2,233.67	2,263.67	2,263.67	12.19	77.35	147.67	1,383.57	-5,722.95	6,300.11	6,211.48	88.63	71.082		
2,400.00	2,329.35	2,359.35	2,359.35	12.76	80.69	147.81	1,383.57	-5,722.95	6,324.98	6,232.52	92.46	68.409		
2,500.00	2,425.04	2,455.04	2,455.04	13.32	84.02	147.95	1,383.57	-5,722.95	6,349.88	6,253.59	96.29	65.946		
2,600.00	2,520.72	2,550.72	2,550.72	13.89	87.36	148.09	1,383.57	-5,722.95	6,374.82	6,274.70	100.12	63.672		
2,700.00	2,616.41	2,646.41	2,646.41	14.46	90.70	148.22	1,383.57	-5,722.95	6,399.80	6,295.85	103.95	61.564		
2,800.00	2,712.10	2,742.10	2,742.10	15.03	94.04	148.36	1,383.57	-5,722.95	6,424.81	6,317.02	107.79	59.606		
2,900.00	2,807.78	2,837.78	2,837.78	15.60	97.38	148.49	1,383.57	-5,722.95	6,449.85	6,338.23	111.62	57.782		
3,000.00	2,903.47	2,933.47	2,933.47	16.18	100.72	148.62	1,383.57	-5,722.95	6,474.93	6,359.47	115.46	56.080		
3,100.00	2,999.16	3,029.16	3,029.16	16.75	104.05	148.76	1,383.57	-5,722.95	6,500.04	6,380.74	119.30	54.486		
3,200.00	3,094.84	3,124.84	3,124.84	17.33	107.39	148.89	1,383.57	-5,722.95	6,525.18	6,402.05	123.14	52.992		
3,300.00	3,190.53	3,220.53	3,220.53	17.90	110.73	149.02	1,383.57	-5,722.95	6,550.36	6,423.38	126.97	51.588		
3,400.00	3,286.22	3,316.22	3,316.22	18.48	114.07	149.15	1,383.57	-5,722.95	6,575.56	6,444.75	130.81	50.267		
3,500.00	3,381.90	3,411.90	3,411.90	19.06	117.41	149.27	1,383.57	-5,722.95	6,600.80	6,466.15	134.65	49.021		
3,600.00	3,477.59	3,507.59	3,507.59	19.64	120.75	149.40	1,383.57	-5,722.95	6,626.07	6,487.58	138.49	47.844		
3,700.00	3,573.28	3,603.28	3,603.28	20.22	124.09	149.53	1,383.57	-5,722.95	6,651.38	6,509.04	142.33	46.731		
3,800.00	3,668.96	3,701.04	3,698.96	20.80	127.50	149.65	1,383.57	-5,722.95	6,676.71	6,530.46	146.25	45.654		
3,900.00	3,764.65	3,805.35	3,794.65	21.38	131.14	149.78	1,383.57	-5,722.95	6,702.07	6,551.68	150.39	44.565		
4,000.00	3,860.33	3,909.67	3,890.33	21.96	134.78	149.90	1,383.57	-5,722.95	6,727.46	6,572.93	154.53	43.535		
4,100.00	3,956.02	3,986.02	3,986.02	22.54	137.45	150.02	1,383.57	-5,722.95	6,752.88	6,595.18	157.70	42.821		
4,200.00	4,051.71	4,081.71	4,081.71	23.13	140.79	150.14	1,383.57	-5,722.95	6,778.33	6,616.79	161.54	41.961		
4,300.00	4,147.39	4,177.39	4,177.39	23.71	144.12	150.26	1,383.57	-5,722.95	6,803.81	6,638.43	165.38	41.140		
4,400.00	4,243.08	4,273.08	4,273.08	24.29	147.46	150.38	1,383.57	-5,722.95	6,829.32	6,660.10	169.22	40.357		
4,500.00	4,338.77	4,368.77	4,368.77	24.88	150.80	150.50	1,383.57	-5,722.95	6,854.85	6,681.79	173.07	39.608		
4,600.00	4,434.45	4,464.45	4,464.45	25.46	154.14	150.62	1,383.57	-5,722.95	6,880.42	6,703.51	176.91	38.893		
4,700.00	4,530.14	4,560.14	4,560.14	26.04	157.48	150.74	1,383.57	-5,722.95	6,906.01	6,725.26	180.75	38.208		
4,800.00	4,625.83	4,655.83	4,655.83	26.63	160.82	150.85	1,383.57	-5,722.95	6,931.63	6,747.04	184.59	37.551		
4,900.00	4,721.51	4,751.51	4,751.51	27.21	164.16	150.97	1,383.57	-5,722.95	6,957.28	6,768.84	188.43	36.922		
5,000.00	4,817.20	4,847.20	4,847.20	27.80	167.50	151.08	1,383.57	-5,722.95	6,982.95	6,790.67	192.28	36.317		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,942.89	4,942.89	28.38	170.84	151.20	1,383.57	-5,722.95	7,008.65	6,812.53	196.12	35.737		
5,200.00	5,008.57	5,038.57	5,038.57	28.97	174.18	151.31	1,383.57	-5,722.95	7,034.37	6,834.41	199.96	35.179		
5,300.00	5,104.26	5,134.26	5,134.26	29.55	177.52	151.42	1,383.57	-5,722.95	7,060.12	6,856.32	203.80	34.642		
5,400.00	5,199.94	5,229.94	5,229.94	30.14	180.86	151.53	1,383.57	-5,722.95	7,085.90	6,878.26	207.64	34.125		
5,500.00	5,295.63	5,325.63	5,325.63	30.72	184.20	151.64	1,383.57	-5,722.95	7,111.70	6,900.22	211.49	33.627		
5,600.00	5,391.32	5,421.32	5,421.32	31.31	187.54	151.75	1,383.57	-5,722.95	7,137.53	6,922.20	215.33	33.147		
5,700.00	5,487.00	5,517.00	5,517.00	31.90	190.88	151.86	1,383.57	-5,722.95	7,163.38	6,944.21	219.17	32.684		
5,800.00	5,582.69	5,612.69	5,612.69	32.48	194.22	151.97	1,383.57	-5,722.95	7,189.25	6,966.24	223.01	32.237		
5,900.00	5,678.38	5,708.38	5,708.38	33.07	197.56	152.08	1,383.57	-5,722.95	7,215.15	6,988.30	226.85	31.806		
6,000.00	5,774.06	5,804.06	5,804.06	33.65	200.90	152.18	1,383.57	-5,722.95	7,241.08	7,010.38	230.69	31.388		
6,100.00	5,869.75	5,900.25	5,899.75	34.24	204.26	152.29	1,383.57	-5,722.95	7,267.03	7,032.47	234.55	30.983		
6,200.00	5,965.44	6,004.56	5,995.44	34.83	207.90	152.39	1,383.57	-5,722.95	7,293.00	7,054.30	238.69	30.554		
6,300.00	6,061.12	6,108.88	6,091.12	35.41	211.54	152.50	1,383.57	-5,722.95	7,318.99	7,076.15	242.84	30.139		
6,400.00	6,156.81	6,186.81	6,186.81	36.00	214.26	152.60	1,383.57	-5,722.95	7,345.01	7,098.95	246.06	29.851		
6,500.00	6,252.50	6,282.50	6,282.50	36.59	217.60	152.71	1,383.57	-5,722.95	7,371.05	7,121.15	249.90	29.496		
6,600.00	6,348.18	6,378.18	6,378.18	37.18	220.94	152.81	1,383.57	-5,722.95	7,397.11	7,143.37	253.74	29.152		
6,636.04	6,382.67	6,412.67	6,412.67	37.39	222.15	152.85	1,383.57	-5,722.95	7,406.51	7,151.38	255.13	29.031		
6,650.00	6,396.05	6,426.05	6,426.05	37.47	222.61	149.46	1,383.57	-5,722.95	7,410.01	7,154.35	255.66	28.984		
6,700.00	6,444.38	6,474.38	6,474.38	37.74	224.30	134.58	1,383.57	-5,722.95	7,420.29	7,162.70	257.59	28.807		
6,750.00	6,493.07	6,523.07	6,523.07	37.98	226.00	115.78	1,383.57	-5,722.95	7,426.98	7,167.46	259.52	28.618		
6,800.00	6,541.82	6,571.82	6,571.82	38.18	227.70	96.13	1,383.57	-5,722.95	7,430.05	7,168.62	261.43	28.421		
6,850.00	6,590.35	6,620.35	6,620.35	38.35	229.39	79.68	1,383.57	-5,722.95	7,429.48	7,166.17	263.31	28.216		
6,900.00	6,638.34	6,668.34	6,668.34	38.50	231.07	67.77	1,383.57	-5,722.95	7,425.28	7,160.14	265.14	28.005		
6,950.00	6,685.50	6,715.50	6,715.50	38.64	232.72	59.61	1,383.57	-5,722.95	7,417.48	7,150.57	266.92	27.789		
7,000.00	6,731.54	6,761.54	6,761.54	38.77	234.32	54.10	1,383.57	-5,722.95	7,406.15	7,137.52	268.63	27.571		
7,050.00	6,776.18	6,806.18	6,806.18	38.90	235.88	50.39	1,383.57	-5,722.95	7,391.35	7,121.09	270.26	27.349		
7,100.00	6,819.14	6,849.14	6,849.14	39.03	237.38	47.97	1,383.57	-5,722.95	7,373.19	7,101.38	271.81	27.126		
7,150.00	6,860.16	6,890.84	6,890.16	39.16	239.50	46.52	1,383.57	-5,722.95	7,351.79	7,077.82	273.97	26.834		
7,200.00	6,898.98	6,928.98	6,928.98	39.31	240.17	45.84	1,383.57	-5,722.95	7,327.28	7,052.63	274.65	26.678		
7,250.00	6,935.36	6,965.36	6,965.36	39.47	241.44	45.82	1,383.57	-5,722.95	7,299.82	7,023.90	275.93	26.456		
7,300.00	6,969.08	7,000.92	6,999.08	39.65	242.68	46.42	1,383.57	-5,722.95	7,269.59	6,992.43	277.16	26.229		
7,350.00	6,999.94	7,029.94	7,029.94	39.85	243.69	47.63	1,383.57	-5,722.95	7,236.78	6,958.62	278.17	26.016		
7,400.00	7,027.74	7,057.74	7,057.74	40.08	244.66	49.47	1,383.57	-5,722.95	7,201.60	6,922.47	279.13	25.800		
7,450.00	7,052.31	7,082.31	7,082.31	40.34	245.52	52.01	1,383.57	-5,722.95	7,164.26	6,884.28	279.98	25.589		
7,500.00	7,073.49	7,103.49	7,103.49	40.63	246.26	55.34	1,383.57	-5,722.95	7,124.99	6,844.28	280.72	25.381		
7,550.00	7,091.17	7,121.17	7,121.17	40.95	246.88	59.58	1,383.57	-5,722.95	7,084.05	6,802.70	281.34	25.179		
7,600.00	7,105.22	7,135.22	7,135.22	41.31	247.37	64.89	1,383.57	-5,722.95	7,041.68	6,759.82	281.86	24.983		
7,650.00	7,115.57	7,145.57	7,145.57	41.71	247.73	71.37	1,383.57	-5,722.95	6,998.14	6,715.88	282.26	24.793		
7,700.00	7,122.15	7,152.15	7,152.15	42.15	247.96	79.08	1,383.57	-5,722.95	6,953.70	6,671.15	282.55	24.610		
7,750.00	7,124.91	7,154.91	7,154.91	42.62	248.05	87.91	1,383.57	-5,722.95	6,908.63	6,625.90	282.73	24.435		
7,759.54	7,125.00	7,155.00	7,155.00	42.72	248.06	89.70	1,383.57	-5,722.95	6,899.98	6,617.23	282.75	24.403		
7,800.00	7,125.10	7,155.10	7,155.10	43.13	248.06	89.71	1,383.57	-5,722.95	6,863.30	6,580.46	282.84	24.266		
7,900.00	7,125.34	7,155.34	7,155.34	44.28	248.07	89.71	1,383.57	-5,722.95	6,772.82	6,489.73	283.08	23.925		
8,000.00	7,125.58	7,155.58	7,155.58	45.61	248.08	89.72	1,383.57	-5,722.95	6,682.61	6,399.22	283.39	23.581		
8,100.00	7,125.82	7,155.82	7,155.82	47.10	248.09	89.72	1,383.57	-5,722.95	6,592.68	6,308.92	283.75	23.234		
8,200.00	7,126.06	7,156.06	7,156.06	48.72	248.09	89.72	1,383.57	-5,722.95	6,503.04	6,218.86	284.19	22.883		
8,300.00	7,126.30	7,156.30	7,156.30	50.48	248.10	89.73	1,383.57	-5,722.95	6,413.71	6,129.03	284.68	22.529		
8,400.00	7,126.54	7,156.54	7,156.54	52.34	248.11	89.73	1,383.57	-5,722.95	6,324.71	6,039.45	285.25	22.172		
8,500.00	7,126.78	7,156.78	7,156.78	54.30	248.12	89.74	1,383.57	-5,722.95	6,236.03	5,950.14	285.90	21.812		
8,600.00	7,127.02	7,157.02	7,157.02	56.35	248.13	89.74	1,383.57	-5,722.95	6,147.70	5,861.09	286.61	21.449		
8,700.00	7,127.26	7,157.26	7,157.26	58.47	248.14	89.75	1,383.57	-5,722.95	6,059.74	5,772.33	287.41	21.084		
8,800.00	7,127.50	7,157.50	7,157.50	60.66	248.14	89.75	1,383.57	-5,722.95	5,972.15	5,683.87	288.28	20.716		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,157.74	7,157.74	62.90	248.15	89.76	1,383.57	-5,722.95	5,884.96	5,595.72	289.24	20.346		
9,000.00	7,127.98	7,157.98	7,157.98	65.19	248.16	89.76	1,383.57	-5,722.95	5,798.18	5,507.91	290.28	19.975		
9,100.00	7,128.22	7,158.22	7,158.22	67.53	248.17	89.77	1,383.57	-5,722.95	5,711.84	5,420.44	291.40	19.601		
9,200.00	7,128.46	7,158.46	7,158.46	69.92	248.18	89.77	1,383.57	-5,722.95	5,625.95	5,333.34	292.61	19.227		
9,300.00	7,128.70	7,158.70	7,158.70	72.33	248.19	89.78	1,383.57	-5,722.95	5,540.53	5,246.62	293.91	18.851		
9,400.00	7,128.94	7,158.94	7,158.94	74.78	248.20	89.78	1,383.57	-5,722.95	5,455.61	5,160.31	295.30	18.475		
9,500.00	7,129.18	7,159.18	7,159.18	77.26	248.20	89.79	1,383.57	-5,722.95	5,371.20	5,074.43	296.77	18.099		
9,600.00	7,129.42	7,159.42	7,159.42	79.76	248.21	89.79	1,383.57	-5,722.95	5,287.34	4,989.00	298.34	17.722		
9,700.00	7,129.66	7,159.66	7,159.66	82.29	248.22	89.80	1,383.57	-5,722.95	5,204.05	4,904.05	300.01	17.347		
9,800.00	7,129.90	7,159.90	7,159.90	84.84	248.23	89.80	1,383.57	-5,722.95	5,121.36	4,819.60	301.76	16.971		
9,900.00	7,130.14	7,160.14	7,160.14	87.41	248.24	89.81	1,383.57	-5,722.95	5,039.29	4,735.68	303.62	16.598		
10,000.00	7,130.38	7,160.38	7,160.38	90.00	248.25	89.81	1,383.57	-5,722.95	4,957.89	4,652.32	305.56	16.225		
10,100.00	7,130.62	7,160.62	7,160.62	92.60	248.25	89.81	1,383.57	-5,722.95	4,877.17	4,569.56	307.61	15.855		
10,200.00	7,130.86	7,160.86	7,160.86	95.22	248.26	89.82	1,383.57	-5,722.95	4,797.19	4,487.43	309.76	15.487		
10,300.00	7,131.09	7,161.09	7,161.09	97.85	248.27	89.82	1,383.57	-5,722.95	4,717.96	4,405.95	312.01	15.121		
10,400.00	7,131.33	7,161.33	7,161.33	100.50	248.28	89.83	1,383.57	-5,722.95	4,639.54	4,325.18	314.36	14.759		
10,500.00	7,131.57	7,161.57	7,161.57	103.16	248.29	89.83	1,383.57	-5,722.95	4,561.96	4,245.15	316.81	14.400		
10,600.00	7,131.81	7,161.81	7,161.81	105.82	248.30	89.84	1,383.57	-5,722.95	4,485.27	4,165.90	319.37	14.044		
10,700.00	7,132.05	7,162.05	7,162.05	108.50	248.30	89.84	1,383.57	-5,722.95	4,409.52	4,087.48	322.04	13.693		
10,800.00	7,132.29	7,162.29	7,162.29	111.19	248.31	89.85	1,383.57	-5,722.95	4,334.75	4,009.94	324.81	13.346		
10,900.00	7,132.53	7,162.53	7,162.53	113.88	248.32	89.85	1,383.57	-5,722.95	4,261.01	3,933.32	327.69	13.003		
11,000.00	7,132.77	7,162.77	7,162.77	116.58	248.33	89.86	1,383.57	-5,722.95	4,188.36	3,857.69	330.67	12.666		
11,100.00	7,133.01	7,163.01	7,163.01	119.29	248.34	89.86	1,383.57	-5,722.95	4,116.86	3,783.09	333.77	12.334		
11,200.00	7,133.25	7,163.25	7,163.25	122.01	248.35	89.87	1,383.57	-5,722.95	4,046.57	3,709.59	336.97	12.009		
11,300.00	7,133.49	7,163.49	7,163.49	124.73	248.35	89.87	1,383.57	-5,722.95	3,977.55	3,637.26	340.29	11.689		
11,400.00	7,133.73	7,163.73	7,163.73	127.46	248.36	89.88	1,383.57	-5,722.95	3,909.87	3,566.15	343.71	11.375		
11,500.00	7,133.97	7,163.97	7,163.97	130.19	248.37	89.88	1,383.57	-5,722.95	3,843.59	3,496.35	347.24	11.069		
11,600.00	7,134.21	7,164.21	7,164.21	132.93	248.38	89.89	1,383.57	-5,722.95	3,778.81	3,427.93	350.88	10.770		
11,700.00	7,134.45	7,164.45	7,164.45	135.68	248.39	89.89	1,383.57	-5,722.95	3,715.58	3,360.96	354.62	10.478		
11,800.00	7,134.69	7,164.69	7,164.69	138.43	248.40	89.89	1,383.57	-5,722.95	3,654.00	3,295.54	358.46	10.194		
11,900.00	7,134.93	7,164.93	7,164.93	141.18	248.40	89.90	1,383.57	-5,722.95	3,594.15	3,231.75	362.40	9.918		
12,000.00	7,135.17	7,165.17	7,165.17	143.94	248.41	89.90	1,383.57	-5,722.95	3,536.11	3,169.68	366.42	9.650		
12,100.00	7,135.41	7,165.41	7,165.41	146.70	248.42	89.91	1,383.57	-5,722.95	3,479.98	3,109.44	370.54	9.392		
12,200.00	7,135.65	7,165.65	7,165.65	149.46	248.43	89.91	1,383.57	-5,722.95	3,425.84	3,051.11	374.73	9.142		
12,300.00	7,135.89	7,165.89	7,165.89	152.23	248.44	89.92	1,383.57	-5,722.95	3,373.81	2,994.81	379.00	8.902		
12,400.00	7,136.13	7,166.13	7,166.13	155.00	248.45	89.92	1,383.57	-5,722.95	3,323.96	2,940.64	383.32	8.672		
12,500.00	7,136.37	7,166.37	7,166.37	157.78	248.45	89.93	1,383.57	-5,722.95	3,276.42	2,888.72	387.69	8.451		
12,600.00	7,136.61	7,166.61	7,166.61	160.55	248.46	89.93	1,383.57	-5,722.95	3,231.26	2,839.16	392.11	8.241		
12,700.00	7,136.85	7,166.85	7,166.85	163.33	248.47	89.94	1,383.57	-5,722.95	3,188.61	2,792.07	396.54	8.041		
12,800.00	7,137.09	7,167.09	7,167.09	166.12	248.48	89.94	1,383.57	-5,722.95	3,148.56	2,747.57	400.99	7.852		
12,900.00	7,137.33	7,167.33	7,167.33	168.90	248.49	89.95	1,383.57	-5,722.95	3,111.20	2,705.78	405.42	7.674		
13,000.00	7,137.57	7,167.57	7,167.57	171.69	248.50	89.95	1,383.57	-5,722.95	3,076.64	2,666.81	409.83	7.507		
13,100.00	7,137.81	7,167.81	7,167.81	174.48	248.50	89.96	1,383.57	-5,722.95	3,044.98	2,630.78	414.20	7.351		
13,200.00	7,138.05	7,168.05	7,168.05	177.27	248.51	89.96	1,383.57	-5,722.95	3,016.30	2,597.80	418.50	7.207		
13,300.00	7,138.29	7,168.29	7,168.29	180.07	248.52	89.97	1,383.57	-5,722.95	2,990.69	2,567.97	422.72	7.075		
13,400.00	7,138.53	7,168.53	7,168.53	182.86	248.53	89.97	1,383.57	-5,722.95	2,968.23	2,541.40	426.83	6.954		
13,500.00	7,138.77	7,168.77	7,168.77	185.66	248.54	89.98	1,383.57	-5,722.95	2,949.00	2,518.18	430.82	6.845		
13,600.00	7,139.01	7,169.01	7,169.01	188.46	248.55	89.98	1,383.57	-5,722.95	2,933.04	2,498.38	434.66	6.748		
13,700.00	7,139.25	7,169.25	7,169.25	191.26	248.56	89.98	1,383.57	-5,722.95	2,920.43	2,482.09	438.34	6.663		
13,800.00	7,139.49	7,169.49	7,169.49	194.06	248.56	89.99	1,383.57	-5,722.95	2,911.20	2,469.37	441.83	6.589		
13,900.00	7,139.73	7,169.73	7,169.73	196.87	248.57	89.99	1,383.57	-5,722.95	2,905.38	2,460.26	445.12	6.527		
14,000.00	7,139.97	7,169.97	7,169.97	199.68	248.58	90.00	1,383.57	-5,722.95	2,903.00	2,454.80	448.20	6.477		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,019.17	7,140.01	7,170.01	7,170.01	200.21	248.58	90.00	1,383.57	-5,722.95	2,902.94	2,454.17	448.77	6.469 CC		
14,100.00	7,140.21	7,170.21	7,170.21	202.48	248.59	90.00	1,383.57	-5,722.95	2,904.06	2,453.00	451.06	6.438 ES		
14,200.00	7,140.45	7,170.45	7,170.45	205.29	248.60	90.01	1,383.57	-5,722.95	2,908.56	2,454.89	453.68	6.411		
14,300.00	7,140.69	7,170.69	7,170.69	208.10	248.61	90.01	1,383.57	-5,722.95	2,916.49	2,460.44	456.05	6.395		
14,400.00	7,140.93	7,170.93	7,170.93	210.91	248.61	90.02	1,383.57	-5,722.95	2,927.81	2,469.63	458.18	6.390 SF		
14,500.00	7,141.17	7,171.17	7,171.17	213.73	248.62	90.02	1,383.57	-5,722.95	2,942.49	2,482.43	460.06	6.396		
14,600.00	7,141.41	7,171.41	7,171.41	216.54	248.63	90.03	1,383.57	-5,722.95	2,960.47	2,498.79	461.68	6.412		
14,700.00	7,141.65	7,171.65	7,171.65	219.36	248.64	90.03	1,383.57	-5,722.95	2,981.71	2,518.64	463.07	6.439		
14,800.00	7,141.89	7,171.89	7,171.89	222.17	248.65	90.04	1,383.57	-5,722.95	3,006.12	2,541.91	464.21	6.476		
14,900.00	7,142.13	7,172.13	7,172.13	224.99	248.66	90.04	1,383.57	-5,722.95	3,033.63	2,568.51	465.12	6.522		
15,000.00	7,142.36	7,172.36	7,172.36	227.81	248.66	90.05	1,383.57	-5,722.95	3,064.16	2,598.36	465.80	6.578		
15,100.00	7,142.60	7,172.60	7,172.60	230.63	248.67	90.05	1,383.57	-5,722.95	3,097.62	2,631.35	466.27	6.643		
15,200.00	7,142.84	7,172.84	7,172.84	233.45	248.68	90.06	1,383.57	-5,722.95	3,133.91	2,667.37	466.54	6.717		
15,300.00	7,143.08	7,173.08	7,173.08	236.27	248.69	90.06	1,383.57	-5,722.95	3,172.94	2,706.32	466.63	6.800		
15,400.00	7,143.32	7,173.32	7,173.32	239.09	248.70	90.07	1,383.57	-5,722.95	3,214.61	2,748.08	466.53	6.890		
15,500.00	7,143.56	7,173.56	7,173.56	241.91	248.71	90.07	1,383.57	-5,722.95	3,258.82	2,792.54	466.28	6.989		
15,600.00	7,143.80	7,173.80	7,173.80	244.73	248.71	90.07	1,383.57	-5,722.95	3,305.46	2,839.58	465.88	7.095		
15,700.00	7,144.04	7,174.04	7,174.04	247.56	248.72	90.08	1,383.57	-5,722.95	3,354.43	2,889.09	465.34	7.209		
15,800.00	7,144.28	7,174.28	7,174.28	250.38	248.73	90.08	1,383.57	-5,722.95	3,405.64	2,940.96	464.68	7.329		
15,900.00	7,144.52	7,174.52	7,174.52	253.21	248.74	90.09	1,383.57	-5,722.95	3,458.98	2,995.06	463.92	7.456		
16,000.00	7,144.76	7,174.76	7,174.76	256.03	248.75	90.09	1,383.57	-5,722.95	3,514.36	3,051.30	463.06	7.589		
16,100.00	7,145.00	7,175.00	7,175.00	258.86	248.76	90.10	1,383.57	-5,722.95	3,571.68	3,109.57	462.11	7.729		
16,200.00	7,145.24	7,175.24	7,175.24	261.69	248.76	90.10	1,383.57	-5,722.95	3,630.85	3,169.76	461.09	7.874		
16,300.00	7,145.48	7,175.48	7,175.48	264.52	248.77	90.11	1,383.57	-5,722.95	3,691.78	3,231.77	460.01	8.025		
16,400.00	7,145.72	7,175.72	7,175.72	267.35	248.78	90.11	1,383.57	-5,722.95	3,754.38	3,295.51	458.87	8.182		
16,500.00	7,145.96	7,175.96	7,175.96	270.18	248.79	90.12	1,383.57	-5,722.95	3,818.58	3,360.89	457.68	8.343		
16,600.00	7,146.20	7,176.20	7,176.20	273.01	248.80	90.12	1,383.57	-5,722.95	3,884.29	3,427.83	456.46	8.510		
16,700.00	7,146.44	7,176.44	7,176.44	275.84	248.81	90.13	1,383.57	-5,722.95	3,951.44	3,496.23	455.21	8.680		
16,800.00	7,146.68	7,176.68	7,176.68	278.67	248.81	90.13	1,383.57	-5,722.95	4,019.95	3,566.02	453.94	8.856		
16,900.00	7,146.92	7,176.92	7,176.92	281.50	248.82	90.14	1,383.57	-5,722.95	4,089.77	3,637.13	452.64	9.035		
17,000.00	7,147.16	7,177.16	7,177.16	284.33	248.83	90.14	1,383.57	-5,722.95	4,160.81	3,709.48	451.33	9.219		
17,100.00	7,147.40	7,177.40	7,177.40	287.16	248.84	90.15	1,383.57	-5,722.95	4,233.03	3,783.01	450.02	9.406		
17,200.00	7,147.64	7,177.64	7,177.64	290.00	248.85	90.15	1,383.57	-5,722.95	4,306.35	3,857.65	448.70	9.597		
17,300.00	7,147.88	7,177.88	7,177.88	292.83	248.86	90.16	1,383.57	-5,722.95	4,380.74	3,933.36	447.38	9.792		
17,400.00	7,148.12	7,178.12	7,178.12	295.66	248.86	90.16	1,383.57	-5,722.95	4,456.12	4,010.06	446.06	9.990		
17,500.00	7,148.36	7,178.36	7,178.36	298.50	248.87	90.16	1,383.57	-5,722.95	4,532.46	4,087.70	444.75	10.191		
17,600.00	7,148.60	7,178.60	7,178.60	301.33	248.88	90.17	1,383.57	-5,722.95	4,609.70	4,166.25	443.45	10.395		
17,700.00	7,148.84	7,178.84	7,178.84	304.17	248.89	90.17	1,383.57	-5,722.95	4,687.80	4,245.64	442.16	10.602		
17,800.00	7,149.08	7,179.08	7,179.08	307.00	248.90	90.18	1,383.57	-5,722.95	4,766.72	4,325.84	440.88	10.812		
17,900.00	7,149.32	7,179.32	7,179.32	309.84	248.91	90.18	1,383.57	-5,722.95	4,846.42	4,406.81	439.61	11.024		
18,000.00	7,149.56	7,179.56	7,179.56	312.68	248.91	90.19	1,383.57	-5,722.95	4,926.86	4,488.50	438.36	11.239		
18,100.00	7,149.80	7,179.80	7,179.80	315.51	248.92	90.19	1,383.57	-5,722.95	5,008.01	4,570.88	437.13	11.457		
18,200.00	7,150.04	7,180.04	7,180.04	318.35	248.93	90.20	1,383.57	-5,722.95	5,089.82	4,653.91	435.92	11.676		
18,300.00	7,150.28	7,180.28	7,180.28	321.19	248.94	90.20	1,383.57	-5,722.95	5,172.28	4,737.56	434.72	11.898		
18,400.00	7,150.52	7,180.52	7,180.52	324.03	248.95	90.21	1,383.57	-5,722.95	5,255.34	4,821.80	433.54	12.122		
18,500.00	7,150.76	7,180.76	7,180.76	326.86	248.96	90.21	1,383.57	-5,722.95	5,338.99	4,906.61	432.38	12.348		
18,600.00	7,151.00	7,181.00	7,181.00	329.70	248.97	90.22	1,383.57	-5,722.95	5,423.19	4,991.95	431.24	12.576		
18,700.00	7,151.24	7,181.24	7,181.24	332.54	248.97	90.22	1,383.57	-5,722.95	5,507.91	5,077.79	430.12	12.806		
18,800.00	7,151.48	7,181.48	7,181.48	335.38	248.98	90.23	1,383.57	-5,722.95	5,593.15	5,164.12	429.02	13.037		
18,900.00	7,151.72	7,181.72	7,181.72	338.22	248.99	90.23	1,383.57	-5,722.95	5,678.86	5,250.92	427.94	13.270		
19,000.00	7,151.96	7,181.96	7,181.96	341.06	249.00	90.24	1,383.57	-5,722.95	5,765.03	5,338.15	426.88	13.505		
19,018.30	7,152.00	7,182.00	7,182.00	341.58	249.00	90.24	1,383.57	-5,722.95	5,780.85	5,354.16	426.69	13.548		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.00	23.00	3.28	3.30	-87.66	178.52	-4,370.85	4,374.49					
100.00	100.00	123.00	123.00	3.28	4.15	-87.66	178.52	-4,370.85	4,374.49	4,367.05	7.44	588.099		
200.00	200.00	223.00	223.00	3.34	6.87	-87.66	178.52	-4,370.85	4,374.49	4,364.28	10.21	428.465		
300.00	299.98	322.98	322.98	3.44	10.08	135.09	178.52	-4,370.85	4,375.73	4,362.21	13.52	323.676		
400.00	399.84	422.84	422.84	3.59	13.42	135.08	178.52	-4,370.85	4,379.43	4,362.42	17.02	257.383		
500.00	499.45	522.45	522.45	3.80	16.82	135.08	178.52	-4,370.85	4,385.62	4,365.01	20.61	212.796		
600.00	598.70	621.70	621.70	4.04	20.23	135.07	178.52	-4,370.85	4,394.28	4,370.02	24.26	181.107		
700.00	697.47	720.47	720.47	4.32	23.63	135.05	178.52	-4,370.85	4,405.42	4,377.46	27.96	157.585		
800.00	795.62	818.62	818.62	4.65	27.03	135.03	178.52	-4,370.85	4,419.05	4,387.37	31.67	139.521		
900.00	893.06	916.06	916.06	5.01	30.41	135.00	178.52	-4,370.85	4,435.16	4,399.76	35.40	125.271		
1,000.00	989.64	1,012.64	1,012.64	5.42	33.77	134.97	178.52	-4,370.85	4,453.77	4,414.63	39.14	113.785		
1,044.50	1,032.32	1,055.32	1,055.32	5.61	35.25	134.95	178.52	-4,370.85	4,462.86	4,422.05	40.81	109.365		
1,100.00	1,085.43	1,108.43	1,108.43	5.86	37.10	135.09	178.52	-4,370.85	4,474.51	4,431.63	42.88	104.344		
1,200.00	1,181.11	1,204.11	1,204.11	6.33	40.42	135.35	178.52	-4,370.85	4,495.58	4,448.94	46.64	96.396		
1,300.00	1,276.80	1,300.20	1,299.80	6.81	43.77	135.60	178.52	-4,370.85	4,516.74	4,466.31	50.42	89.577		
1,400.00	1,372.49	1,404.51	1,395.49	7.31	47.40	135.85	178.52	-4,370.85	4,537.98	4,483.47	54.51	83.250		
1,500.00	1,468.17	1,508.83	1,491.17	7.83	51.03	136.10	178.52	-4,370.85	4,559.31	4,500.70	58.61	77.792		
1,600.00	1,563.86	1,586.86	1,586.86	8.35	53.75	136.35	178.52	-4,370.85	4,580.72	4,518.92	61.80	74.119		
1,700.00	1,659.55	1,682.55	1,682.55	8.88	57.09	136.59	178.52	-4,370.85	4,602.22	4,536.61	65.62	70.137		
1,800.00	1,755.23	1,778.23	1,778.23	9.42	60.42	136.83	178.52	-4,370.85	4,623.80	4,554.36	69.44	66.588		
1,900.00	1,850.92	1,873.92	1,873.92	9.97	63.76	137.07	178.52	-4,370.85	4,645.47	4,572.20	73.27	63.405		
2,000.00	1,946.61	1,969.61	1,969.61	10.52	67.09	137.31	178.52	-4,370.85	4,667.21	4,590.11	77.10	60.536		
2,100.00	2,042.29	2,065.29	2,065.29	11.07	70.43	137.55	178.52	-4,370.85	4,689.03	4,608.10	80.93	57.937		
2,200.00	2,137.98	2,160.98	2,160.98	11.63	73.77	137.78	178.52	-4,370.85	4,710.93	4,626.16	84.77	55.573		
2,300.00	2,233.67	2,256.67	2,256.67	12.19	77.10	138.01	178.52	-4,370.85	4,732.91	4,644.30	88.61	53.412		
2,400.00	2,329.35	2,352.35	2,352.35	12.76	80.44	138.24	178.52	-4,370.85	4,754.96	4,662.51	92.45	51.431		
2,500.00	2,425.04	2,448.04	2,448.04	13.32	83.78	138.47	178.52	-4,370.85	4,777.09	4,680.79	96.30	49.608		
2,600.00	2,520.72	2,543.72	2,543.72	13.89	87.12	138.70	178.52	-4,370.85	4,799.29	4,699.15	100.14	47.924		
2,700.00	2,616.41	2,639.41	2,639.41	14.46	90.46	138.92	178.52	-4,370.85	4,821.57	4,717.58	103.99	46.366		
2,800.00	2,712.10	2,735.10	2,735.10	15.03	93.79	139.14	178.52	-4,370.85	4,843.91	4,736.08	107.84	44.918		
2,900.00	2,807.78	2,830.78	2,830.78	15.60	97.13	139.36	178.52	-4,370.85	4,866.33	4,754.64	111.69	43.571		
3,000.00	2,903.47	2,926.47	2,926.47	16.18	100.47	139.58	178.52	-4,370.85	4,888.82	4,773.28	115.54	42.314		
3,100.00	2,999.16	3,022.16	3,022.16	16.75	103.81	139.80	178.52	-4,370.85	4,911.37	4,791.99	119.39	41.139		
3,200.00	3,094.84	3,117.84	3,117.84	17.33	107.15	140.01	178.52	-4,370.85	4,934.00	4,810.76	123.24	40.037		
3,300.00	3,190.53	3,213.53	3,213.53	17.90	110.49	140.22	178.52	-4,370.85	4,956.69	4,829.60	127.09	39.002		
3,400.00	3,286.22	3,309.22	3,309.22	18.48	113.83	140.43	178.52	-4,370.85	4,979.45	4,848.51	130.94	38.029		
3,500.00	3,381.90	3,404.90	3,404.90	19.06	117.17	140.64	178.52	-4,370.85	5,002.27	4,867.48	134.79	37.112		
3,600.00	3,477.59	3,500.59	3,500.59	19.64	120.50	140.85	178.52	-4,370.85	5,025.16	4,886.52	138.64	36.246		
3,700.00	3,573.28	3,603.72	3,596.28	20.22	124.10	141.05	178.52	-4,370.85	5,048.11	4,905.35	142.75	35.363		
3,800.00	3,668.96	3,708.04	3,691.96	20.80	127.74	141.25	178.52	-4,370.85	5,071.12	4,924.21	146.90	34.520		
3,900.00	3,764.65	3,787.65	3,787.65	21.38	130.52	141.46	178.52	-4,370.85	5,094.19	4,944.00	150.19	33.917		
4,000.00	3,860.33	3,883.33	3,883.33	21.96	133.86	141.65	178.52	-4,370.85	5,117.33	4,963.28	154.05	33.219		
4,100.00	3,956.02	3,979.02	3,979.02	22.54	137.20	141.85	178.52	-4,370.85	5,140.53	4,982.63	157.90	32.556		
4,200.00	4,051.71	4,074.71	4,074.71	23.13	140.54	142.05	178.52	-4,370.85	5,163.78	5,002.03	161.75	31.925		
4,300.00	4,147.39	4,170.39	4,170.39	23.71	143.88	142.24	178.52	-4,370.85	5,187.09	5,021.49	165.60	31.323		
4,400.00	4,243.08	4,266.08	4,266.08	24.29	147.22	142.43	178.52	-4,370.85	5,210.46	5,041.01	169.45	30.749		
4,500.00	4,338.77	4,361.77	4,361.77	24.88	150.56	142.63	178.52	-4,370.85	5,233.89	5,060.59	173.30	30.201		
4,600.00	4,434.45	4,457.45	4,457.45	25.46	153.90	142.82	178.52	-4,370.85	5,257.38	5,080.22	177.15	29.677		
4,700.00	4,530.14	4,553.14	4,553.14	26.04	157.24	143.00	178.52	-4,370.85	5,280.92	5,099.91	181.00	29.176		
4,800.00	4,625.83	4,648.83	4,648.83	26.63	160.58	143.19	178.52	-4,370.85	5,304.51	5,119.66	184.85	28.696		
4,900.00	4,721.51	4,744.51	4,744.51	27.21	163.92	143.37	178.52	-4,370.85	5,328.16	5,139.46	188.70	28.236		
5,000.00	4,817.20	4,840.20	4,840.20	27.80	167.26	143.56	178.52	-4,370.85	5,351.86	5,159.31	192.55	27.794		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,935.89	4,935.89	28.38	170.60	143.74	178.52	-4,370.85	5,375.61	5,179.21	196.40	27.371		
5,200.00	5,008.57	5,031.57	5,031.57	28.97	173.94	143.92	178.52	-4,370.85	5,399.42	5,199.17	200.25	26.963		
5,300.00	5,104.26	5,127.26	5,127.26	29.55	177.28	144.09	178.52	-4,370.85	5,423.28	5,219.18	204.10	26.572		
5,400.00	5,199.94	5,222.94	5,222.94	30.14	180.62	144.27	178.52	-4,370.85	5,447.18	5,239.24	207.95	26.195		
5,500.00	5,295.63	5,318.63	5,318.63	30.72	183.96	144.45	178.52	-4,370.85	5,471.14	5,259.35	211.80	25.832		
5,600.00	5,391.32	5,414.32	5,414.32	31.31	187.30	144.62	178.52	-4,370.85	5,495.15	5,279.50	215.64	25.483		
5,700.00	5,487.00	5,510.00	5,510.00	31.90	190.64	144.79	178.52	-4,370.85	5,519.20	5,299.71	219.49	25.145		
5,800.00	5,582.69	5,605.69	5,605.69	32.48	193.98	144.96	178.52	-4,370.85	5,543.30	5,319.97	223.34	24.820		
5,900.00	5,678.38	5,701.38	5,701.38	33.07	197.32	145.13	178.52	-4,370.85	5,567.45	5,340.27	227.19	24.506		
6,000.00	5,774.06	5,802.94	5,797.06	33.65	200.86	145.30	178.52	-4,370.85	5,591.65	5,360.41	231.24	24.181		
6,100.00	5,869.75	5,907.25	5,892.75	34.24	204.50	145.47	178.52	-4,370.85	5,615.89	5,380.51	235.39	23.858		
6,200.00	5,965.44	5,988.44	5,988.44	34.83	207.34	145.63	178.52	-4,370.85	5,640.18	5,401.46	238.73	23.626		
6,300.00	6,061.12	6,084.12	6,084.12	35.41	210.68	145.80	178.52	-4,370.85	5,664.52	5,421.94	242.57	23.352		
6,400.00	6,156.81	6,179.81	6,179.81	36.00	214.02	145.96	178.52	-4,370.85	5,688.89	5,442.47	246.42	23.086		
6,500.00	6,252.50	6,275.50	6,275.50	36.59	217.36	146.12	178.52	-4,370.85	5,713.31	5,463.05	250.26	22.829		
6,600.00	6,348.18	6,371.18	6,371.18	37.18	220.70	146.28	178.52	-4,370.85	5,737.78	5,483.67	254.11	22.580		
6,636.04	6,382.67	6,405.67	6,405.67	37.39	221.90	146.34	178.52	-4,370.85	5,746.61	5,491.11	255.50	22.492		
6,650.00	6,396.05	6,419.05	6,419.05	37.47	222.37	142.99	178.52	-4,370.85	5,749.88	5,493.85	256.03	22.458		
6,700.00	6,444.38	6,467.38	6,467.38	37.74	224.06	128.26	178.52	-4,370.85	5,759.26	5,501.30	257.96	22.326		
6,750.00	6,493.07	6,516.07	6,516.07	37.98	225.75	109.58	178.52	-4,370.85	5,764.91	5,505.01	259.89	22.182		
6,800.00	6,541.82	6,564.82	6,564.82	38.18	227.46	90.02	178.52	-4,370.85	5,766.79	5,504.99	261.80	22.027		
6,850.00	6,590.35	6,613.35	6,613.35	38.35	229.15	73.62	178.52	-4,370.85	5,764.92	5,501.24	263.67	21.864		
6,900.00	6,638.34	6,661.34	6,661.34	38.50	230.83	61.73	178.52	-4,370.85	5,759.29	5,493.79	265.50	21.692		
6,950.00	6,685.50	6,708.50	6,708.50	38.64	232.47	53.56	178.52	-4,370.85	5,749.96	5,482.69	267.26	21.514		
7,000.00	6,731.54	6,754.54	6,754.54	38.77	234.08	48.01	178.52	-4,370.85	5,736.98	5,468.02	268.96	21.330		
7,050.00	6,776.18	6,800.82	6,799.18	38.90	235.69	44.24	178.52	-4,370.85	5,720.45	5,449.80	270.65	21.136		
7,100.00	6,819.14	6,842.14	6,842.14	39.03	237.14	41.74	178.52	-4,370.85	5,700.47	5,428.34	272.13	20.947		
7,150.00	6,860.16	6,883.16	6,883.16	39.16	238.57	40.17	178.52	-4,370.85	5,677.17	5,403.58	273.59	20.751		
7,200.00	6,898.98	6,921.98	6,921.98	39.31	239.92	39.34	178.52	-4,370.85	5,650.69	5,375.74	274.95	20.552		
7,250.00	6,935.36	6,958.36	6,958.36	39.47	241.19	39.16	178.52	-4,370.85	5,621.21	5,345.00	276.21	20.351		
7,300.00	6,969.08	7,007.92	6,992.08	39.65	242.92	39.58	178.52	-4,370.85	5,588.91	5,310.99	277.92	20.110		
7,350.00	6,999.94	7,022.94	7,022.94	39.85	243.45	40.60	178.52	-4,370.85	5,553.99	5,275.57	278.42	19.948		
7,400.00	7,027.74	7,050.74	7,050.74	40.08	244.42	42.26	178.52	-4,370.85	5,516.68	5,237.32	279.36	19.748		
7,450.00	7,052.31	7,075.31	7,075.31	40.34	245.28	44.67	178.52	-4,370.85	5,477.19	5,197.00	280.18	19.548		
7,500.00	7,073.49	7,103.51	7,096.49	40.63	246.26	47.97	178.52	-4,370.85	5,435.78	5,154.64	281.14	19.335		
7,550.00	7,091.17	7,114.17	7,114.17	40.95	246.63	52.39	178.52	-4,370.85	5,392.69	5,111.20	281.49	19.158		
7,600.00	7,105.22	7,128.22	7,128.22	41.31	247.12	58.23	178.52	-4,370.85	5,348.20	5,066.23	281.97	18.967		
7,650.00	7,115.57	7,138.57	7,138.57	41.71	247.48	65.83	178.52	-4,370.85	5,302.58	5,020.25	282.33	18.781		
7,700.00	7,122.15	7,145.15	7,145.15	42.15	247.71	75.49	178.52	-4,370.85	5,256.09	4,973.52	282.58	18.601		
7,750.00	7,124.91	7,147.91	7,147.91	42.62	247.81	87.18	178.52	-4,370.85	5,209.03	4,926.33	282.70	18.426		
7,759.54	7,125.00	7,148.00	7,148.00	42.72	247.81	89.60	178.52	-4,370.85	5,200.01	4,917.30	282.71	18.393		
7,800.00	7,125.10	7,148.10	7,148.10	43.13	247.82	89.60	178.52	-4,370.85	5,161.75	4,879.00	282.75	18.255		
7,900.00	7,125.34	7,148.34	7,148.34	44.28	247.83	89.61	178.52	-4,370.85	5,067.33	4,784.45	282.88	17.914		
8,000.00	7,125.58	7,148.58	7,148.58	45.61	247.83	89.62	178.52	-4,370.85	4,973.13	4,690.09	283.04	17.570		
8,100.00	7,125.82	7,148.82	7,148.82	47.10	247.84	89.63	178.52	-4,370.85	4,879.16	4,595.91	283.24	17.226		
8,200.00	7,126.06	7,149.06	7,149.06	48.72	247.85	89.63	178.52	-4,370.85	4,785.43	4,501.93	283.50	16.880		
8,300.00	7,126.30	7,149.30	7,149.30	50.48	247.86	89.64	178.52	-4,370.85	4,691.96	4,408.16	283.80	16.532		
8,400.00	7,126.54	7,149.54	7,149.54	52.34	247.87	89.65	178.52	-4,370.85	4,598.77	4,314.60	284.16	16.184		
8,500.00	7,126.78	7,149.78	7,149.78	54.30	247.88	89.66	178.52	-4,370.85	4,505.87	4,221.28	284.58	15.833		
8,600.00	7,127.02	7,150.02	7,150.02	56.35	247.88	89.67	178.52	-4,370.85	4,413.28	4,128.20	285.07	15.481		
8,700.00	7,127.26	7,150.26	7,150.26	58.47	247.89	89.68	178.52	-4,370.85	4,321.01	4,035.39	285.63	15.128		
8,800.00	7,127.50	7,150.50	7,150.50	60.66	247.90	89.68	178.52	-4,370.85	4,229.10	3,942.84	286.26	14.774		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,150.74	7,150.74	62.90	247.91	89.69	178.52	-4,370.85	4,137.57	3,850.60	286.97	14.418		
9,000.00	7,127.98	7,150.98	7,150.98	65.19	247.92	89.70	178.52	-4,370.85	4,046.44	3,758.66	287.77	14.061		
9,100.00	7,128.22	7,151.22	7,151.22	67.53	247.93	89.71	178.52	-4,370.85	3,955.73	3,667.07	288.67	13.703		
9,200.00	7,128.46	7,151.46	7,151.46	69.92	247.93	89.72	178.52	-4,370.85	3,865.49	3,575.83	289.66	13.345		
9,300.00	7,128.70	7,151.70	7,151.70	72.33	247.94	89.72	178.52	-4,370.85	3,775.73	3,484.98	290.75	12.986		
9,400.00	7,128.94	7,151.94	7,151.94	74.78	247.95	89.73	178.52	-4,370.85	3,686.50	3,394.55	291.96	12.627		
9,500.00	7,129.18	7,152.18	7,152.18	77.26	247.96	89.74	178.52	-4,370.85	3,597.84	3,304.56	293.28	12.267		
9,600.00	7,129.42	7,152.42	7,152.42	79.76	247.97	89.75	178.52	-4,370.85	3,509.79	3,215.06	294.73	11.909		
9,700.00	7,129.66	7,152.66	7,152.66	82.29	247.98	89.76	178.52	-4,370.85	3,422.40	3,126.09	296.31	11.550		
9,800.00	7,129.90	7,152.90	7,152.90	84.84	247.98	89.77	178.52	-4,370.85	3,335.71	3,037.69	298.02	11.193		
9,900.00	7,130.14	7,153.14	7,153.14	87.41	247.99	89.77	178.52	-4,370.85	3,249.79	2,949.91	299.88	10.837		
10,000.00	7,130.38	7,153.38	7,153.38	90.00	248.00	89.78	178.52	-4,370.85	3,164.70	2,862.80	301.89	10.483		
10,100.00	7,130.62	7,153.62	7,153.62	92.60	248.01	89.79	178.52	-4,370.85	3,080.50	2,776.43	304.06	10.131		
10,200.00	7,130.86	7,153.86	7,153.86	95.22	248.02	89.80	178.52	-4,370.85	2,997.27	2,690.87	306.40	9.782		
10,300.00	7,131.09	7,154.09	7,154.09	97.85	248.03	89.81	178.52	-4,370.85	2,915.10	2,606.18	308.91	9.437		
10,400.00	7,131.33	7,154.33	7,154.33	100.50	248.03	89.81	178.52	-4,370.85	2,834.07	2,522.46	311.61	9.095		
10,500.00	7,131.57	7,154.57	7,154.57	103.16	248.04	89.82	178.52	-4,370.85	2,754.29	2,439.80	314.49	8.758		
10,600.00	7,131.81	7,154.81	7,154.81	105.82	248.05	89.83	178.52	-4,370.85	2,675.87	2,358.30	317.57	8.426		
10,700.00	7,132.05	7,155.05	7,155.05	108.50	248.06	89.84	178.52	-4,370.85	2,598.93	2,278.07	320.86	8.100		
10,800.00	7,132.29	7,155.29	7,155.29	111.19	248.07	89.85	178.52	-4,370.85	2,523.61	2,199.26	324.35	7.781		
10,900.00	7,132.53	7,155.53	7,155.53	113.88	248.08	89.85	178.52	-4,370.85	2,450.06	2,122.00	328.06	7.468		
11,000.00	7,132.77	7,155.77	7,155.77	116.58	248.08	89.86	178.52	-4,370.85	2,378.43	2,046.45	331.98	7.164		
11,100.00	7,133.01	7,156.01	7,156.01	119.29	248.09	89.87	178.52	-4,370.85	2,308.92	1,972.80	336.12	6.869		
11,200.00	7,133.25	7,156.25	7,156.25	122.01	248.10	89.88	178.52	-4,370.85	2,241.71	1,901.24	340.47	6.584		
11,300.00	7,133.49	7,156.49	7,156.49	124.73	248.11	89.89	178.52	-4,370.85	2,177.02	1,831.99	345.04	6.310		
11,400.00	7,133.73	7,156.73	7,156.73	127.46	248.12	89.90	178.52	-4,370.85	2,115.08	1,765.29	349.80	6.047		
11,500.00	7,133.97	7,156.97	7,156.97	130.19	248.13	89.90	178.52	-4,370.85	2,056.15	1,701.41	354.73	5.796		
11,600.00	7,134.21	7,157.21	7,157.21	132.93	248.13	89.91	178.52	-4,370.85	2,000.48	1,640.65	359.83	5.560		
11,700.00	7,134.45	7,157.45	7,157.45	135.68	248.14	89.92	178.52	-4,370.85	1,948.35	1,583.30	365.05	5.337		
11,800.00	7,134.69	7,157.69	7,157.69	138.43	248.15	89.93	178.52	-4,370.85	1,900.06	1,529.71	370.35	5.130		
11,900.00	7,134.93	7,157.93	7,157.93	141.18	248.16	89.94	178.52	-4,370.85	1,855.91	1,480.21	375.69	4.940		
12,000.00	7,135.17	7,158.17	7,158.17	143.94	248.17	89.94	178.52	-4,370.85	1,816.19	1,435.18	381.01	4.767		
12,100.00	7,135.41	7,158.41	7,158.41	146.70	248.18	89.95	178.52	-4,370.85	1,781.21	1,394.98	386.24	4.612		
12,200.00	7,135.65	7,158.65	7,158.65	149.46	248.19	89.96	178.52	-4,370.85	1,751.25	1,359.95	391.30	4.475		
12,300.00	7,135.89	7,158.89	7,158.89	152.23	248.19	89.97	178.52	-4,370.85	1,726.57	1,330.44	396.12	4.359		
12,400.00	7,136.13	7,159.13	7,159.13	155.00	248.20	89.98	178.52	-4,370.85	1,707.40	1,306.77	400.63	4.262		
12,500.00	7,136.37	7,159.37	7,159.37	157.78	248.21	89.99	178.52	-4,370.85	1,693.92	1,289.17	404.75	4.185		
12,600.00	7,136.61	7,159.61	7,159.61	160.55	248.22	89.99	178.52	-4,370.85	1,686.27	1,277.87	408.41	4.129		
12,679.20	7,136.80	7,159.80	7,159.80	162.76	248.23	90.00	178.52	-4,370.85	1,684.41	1,273.47	410.94	4.099 CC		
12,700.00	7,136.85	7,159.85	7,159.85	163.33	248.23	90.00	178.52	-4,370.85	1,684.54	1,272.99	411.55	4.093 ES		
12,800.00	7,137.09	7,160.09	7,160.09	166.12	248.24	90.01	178.52	-4,370.85	1,688.74	1,274.58	414.16	4.078 SF		
12,900.00	7,137.33	7,160.33	7,160.33	168.90	248.24	90.02	178.52	-4,370.85	1,698.82	1,282.64	416.19	4.082		
13,000.00	7,137.57	7,160.57	7,160.57	171.69	248.25	90.03	178.52	-4,370.85	1,714.69	1,297.04	417.65	4.106		
13,100.00	7,137.81	7,160.81	7,160.81	174.48	248.26	90.03	178.52	-4,370.85	1,736.18	1,317.62	418.56	4.148		
13,200.00	7,138.05	7,161.05	7,161.05	177.27	248.27	90.04	178.52	-4,370.85	1,763.09	1,344.14	418.95	4.208		
13,300.00	7,138.29	7,161.29	7,161.29	180.07	248.28	90.05	178.52	-4,370.85	1,795.17	1,376.32	418.85	4.286		
13,400.00	7,138.53	7,161.53	7,161.53	182.86	248.29	90.06	178.52	-4,370.85	1,832.16	1,413.84	418.32	4.380		
13,500.00	7,138.77	7,161.77	7,161.77	185.66	248.29	90.07	178.52	-4,370.85	1,873.76	1,456.34	417.42	4.489		
13,600.00	7,139.01	7,162.01	7,162.01	188.46	248.30	90.08	178.52	-4,370.85	1,919.67	1,503.47	416.19	4.612		
13,700.00	7,139.25	7,162.25	7,162.25	191.26	248.31	90.08	178.52	-4,370.85	1,969.59	1,554.88	414.71	4.749		
13,800.00	7,139.49	7,162.49	7,162.49	194.06	248.32	90.09	178.52	-4,370.85	2,023.23	1,610.22	413.01	4.899		
13,900.00	7,139.73	7,162.73	7,162.73	196.87	248.33	90.10	178.52	-4,370.85	2,080.29	1,669.15	411.14	5.060		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,162.97	7,162.97	199.68	248.34	90.11	178.52	-4,370.85	2,140.50	1,731.35	409.16	5.232		
14,100.00	7,140.21	7,163.21	7,163.21	202.48	248.34	90.12	178.52	-4,370.85	2,203.62	1,796.53	407.08	5.413		
14,200.00	7,140.45	7,163.45	7,163.45	205.29	248.35	90.12	178.52	-4,370.85	2,269.38	1,864.42	404.95	5.604		
14,300.00	7,140.69	7,163.69	7,163.69	208.10	248.36	90.13	178.52	-4,370.85	2,337.57	1,934.77	402.80	5.803		
14,400.00	7,140.93	7,163.93	7,163.93	210.91	248.37	90.14	178.52	-4,370.85	2,407.99	2,007.35	400.64	6.010		
14,500.00	7,141.17	7,164.17	7,164.17	213.73	248.38	90.15	178.52	-4,370.85	2,480.43	2,081.95	398.48	6.225		
14,600.00	7,141.41	7,164.41	7,164.41	216.54	248.39	90.16	178.52	-4,370.85	2,554.74	2,158.39	396.36	6.446		
14,700.00	7,141.65	7,164.65	7,164.65	219.36	248.39	90.16	178.52	-4,370.85	2,630.76	2,236.49	394.27	6.673		
14,800.00	7,141.89	7,164.89	7,164.89	222.17	248.40	90.17	178.52	-4,370.85	2,708.33	2,316.10	392.22	6.905		
14,900.00	7,142.13	7,165.13	7,165.13	224.99	248.41	90.18	178.52	-4,370.85	2,787.33	2,397.10	390.23	7.143		
15,000.00	7,142.36	7,165.36	7,165.36	227.81	248.42	90.19	178.52	-4,370.85	2,867.64	2,479.35	388.28	7.385		
15,100.00	7,142.60	7,165.60	7,165.60	230.63	248.43	90.20	178.52	-4,370.85	2,949.15	2,562.75	386.40	7.632		
15,200.00	7,142.84	7,165.84	7,165.84	233.45	248.44	90.21	178.52	-4,370.85	3,031.78	2,647.20	384.58	7.883		
15,300.00	7,143.08	7,166.08	7,166.08	236.27	248.44	90.21	178.52	-4,370.85	3,115.42	2,732.60	382.81	8.138		
15,400.00	7,143.32	7,166.32	7,166.32	239.09	248.45	90.22	178.52	-4,370.85	3,200.00	2,818.89	381.11	8.397		
15,500.00	7,143.56	7,166.56	7,166.56	241.91	248.46	90.23	178.52	-4,370.85	3,285.44	2,905.98	379.47	8.658		
15,600.00	7,143.80	7,166.80	7,166.80	244.73	248.47	90.24	178.52	-4,370.85	3,371.69	2,993.81	377.88	8.923		
15,700.00	7,144.04	7,167.04	7,167.04	247.56	248.48	90.25	178.52	-4,370.85	3,458.68	3,082.32	376.36	9.190		
15,800.00	7,144.28	7,167.28	7,167.28	250.38	248.49	90.25	178.52	-4,370.85	3,546.35	3,171.46	374.89	9.460		
15,900.00	7,144.52	7,167.52	7,167.52	253.21	248.49	90.26	178.52	-4,370.85	3,634.66	3,261.19	373.47	9.732		
16,000.00	7,144.76	7,167.76	7,167.76	256.03	248.50	90.27	178.52	-4,370.85	3,723.56	3,351.45	372.11	10.007		
16,100.00	7,145.00	7,168.00	7,168.00	258.86	248.51	90.28	178.52	-4,370.85	3,813.01	3,442.21	370.80	10.283		
16,200.00	7,145.24	7,168.24	7,168.24	261.69	248.52	90.29	178.52	-4,370.85	3,902.98	3,533.44	369.54	10.562		
16,300.00	7,145.48	7,168.48	7,168.48	264.52	248.53	90.30	178.52	-4,370.85	3,993.42	3,625.09	368.33	10.842		
16,400.00	7,145.72	7,168.72	7,168.72	267.35	248.54	90.30	178.52	-4,370.85	4,084.31	3,717.14	367.16	11.124		
16,500.00	7,145.96	7,168.96	7,168.96	270.18	248.55	90.31	178.52	-4,370.85	4,175.61	3,809.57	366.04	11.408		
16,600.00	7,146.20	7,169.20	7,169.20	273.01	248.55	90.32	178.52	-4,370.85	4,267.30	3,902.34	364.96	11.693		
16,700.00	7,146.44	7,169.44	7,169.44	275.84	248.56	90.33	178.52	-4,370.85	4,359.36	3,995.44	363.92	11.979		
16,800.00	7,146.68	7,169.68	7,169.68	278.67	248.57	90.34	178.52	-4,370.85	4,451.76	4,088.84	362.92	12.267		
16,900.00	7,146.92	7,169.92	7,169.92	281.50	248.58	90.34	178.52	-4,370.85	4,544.48	4,182.53	361.95	12.555		
17,000.00	7,147.16	7,170.16	7,170.16	284.33	248.59	90.35	178.52	-4,370.85	4,637.51	4,276.48	361.02	12.845		
17,100.00	7,147.40	7,170.40	7,170.40	287.16	248.60	90.36	178.52	-4,370.85	4,730.82	4,370.69	360.13	13.136		
17,200.00	7,147.64	7,170.64	7,170.64	290.00	248.60	90.37	178.52	-4,370.85	4,824.40	4,465.13	359.27	13.428		
17,300.00	7,147.88	7,170.88	7,170.88	292.83	248.61	90.38	178.52	-4,370.85	4,918.23	4,559.79	358.44	13.721		
17,400.00	7,148.12	7,171.12	7,171.12	295.66	248.62	90.39	178.52	-4,370.85	5,012.30	4,654.66	357.63	14.015		
17,500.00	7,148.36	7,171.36	7,171.36	298.50	248.63	90.39	178.52	-4,370.85	5,106.59	4,749.73	356.86	14.310		
17,600.00	7,148.60	7,171.60	7,171.60	301.33	248.64	90.40	178.52	-4,370.85	5,201.10	4,844.98	356.12	14.605		
17,700.00	7,148.84	7,171.84	7,171.84	304.17	248.65	90.41	178.52	-4,370.85	5,295.81	4,940.41	355.40	14.901		
17,800.00	7,149.08	7,172.08	7,172.08	307.00	248.65	90.42	178.52	-4,370.85	5,390.71	5,036.01	354.70	15.198		
17,900.00	7,149.32	7,172.32	7,172.32	309.84	248.66	90.43	178.52	-4,370.85	5,485.79	5,131.76	354.03	15.495		
18,000.00	7,149.56	7,172.56	7,172.56	312.68	248.67	90.43	178.52	-4,370.85	5,581.04	5,227.66	353.38	15.793		
18,100.00	7,149.80	7,172.80	7,172.80	315.51	248.68	90.44	178.52	-4,370.85	5,676.46	5,323.70	352.76	16.092		
18,200.00	7,150.04	7,173.04	7,173.04	318.35	248.69	90.45	178.52	-4,370.85	5,772.03	5,419.88	352.16	16.391		
18,300.00	7,150.28	7,173.28	7,173.28	321.19	248.70	90.46	178.52	-4,370.85	5,867.75	5,516.18	351.57	16.690		
18,400.00	7,150.52	7,173.52	7,173.52	324.03	248.70	90.47	178.52	-4,370.85	5,963.61	5,612.60	351.01	16.990		
18,500.00	7,150.76	7,173.76	7,173.76	326.86	248.71	90.47	178.52	-4,370.85	6,059.60	5,709.14	350.46	17.290		
18,600.00	7,151.00	7,174.00	7,174.00	329.70	248.72	90.48	178.52	-4,370.85	6,155.73	5,805.79	349.94	17.591		
18,700.00	7,151.24	7,174.24	7,174.24	332.54	248.73	90.49	178.52	-4,370.85	6,251.97	5,902.54	349.43	17.892		
18,800.00	7,151.48	7,174.48	7,174.48	335.38	248.74	90.50	178.52	-4,370.85	6,348.33	5,999.39	348.93	18.193		
18,900.00	7,151.72	7,174.72	7,174.72	338.22	248.75	90.51	178.52	-4,370.85	6,444.80	6,096.34	348.46	18.495		
19,000.00	7,151.96	7,174.96	7,174.96	341.06	248.75	90.52	178.52	-4,370.85	6,541.37	6,193.38	348.00	18.797		
19,018.30	7,152.00	7,175.00	7,175.00	341.58	248.76	90.52	178.52	-4,370.85	6,559.06	6,211.14	347.91	18.853		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	32.00	32.00	3.28	3.33	-92.23	-349.56	-8,977.15	8,983.96					
100.00	100.00	132.00	132.00	3.28	4.35	-92.23	-349.56	-8,977.15	8,983.96	8,976.32	7.64	1,176.188		
200.00	200.00	232.00	232.00	3.34	7.15	-92.23	-349.56	-8,977.15	8,983.96	8,973.47	10.49	856.647		
300.00	299.98	331.98	331.98	3.44	10.38	130.51	-349.56	-8,977.15	8,985.09	8,971.27	13.82	650.322		
400.00	399.84	431.84	431.84	3.59	13.73	130.48	-349.56	-8,977.15	8,988.49	8,971.17	17.32	518.970		
500.00	499.45	531.45	531.45	3.80	17.12	130.44	-349.56	-8,977.15	8,994.16	8,973.24	20.92	429.986		
600.00	598.70	630.70	630.70	4.04	20.54	130.38	-349.56	-8,977.15	9,002.10	8,977.52	24.57	366.339		
700.00	697.47	729.47	729.47	4.32	23.95	130.30	-349.56	-8,977.15	9,012.29	8,984.03	28.27	318.823		
800.00	795.62	827.62	827.62	4.65	27.34	130.20	-349.56	-8,977.15	9,024.76	8,992.77	31.99	282.142		
900.00	893.06	925.06	925.06	5.01	30.72	130.08	-349.56	-8,977.15	9,039.48	9,003.75	35.72	253.057		
1,000.00	989.64	1,021.64	1,021.64	5.42	34.08	129.94	-349.56	-8,977.15	9,056.45	9,016.99	39.46	229.491		
1,044.50	1,032.32	1,064.32	1,064.32	5.61	35.56	129.87	-349.56	-8,977.15	9,064.73	9,023.60	41.13	220.390		
1,100.00	1,085.43	1,117.43	1,117.43	5.86	37.41	129.94	-349.56	-8,977.15	9,075.34	9,032.13	43.21	210.031		
1,200.00	1,181.11	1,213.11	1,213.11	6.33	40.74	130.08	-349.56	-8,977.15	9,094.50	9,047.53	46.97	193.614		
1,300.00	1,276.80	1,308.80	1,308.80	6.81	44.07	130.22	-349.56	-8,977.15	9,113.71	9,062.96	50.75	179.566		
1,400.00	1,372.49	1,404.49	1,404.49	7.31	47.40	130.35	-349.56	-8,977.15	9,132.98	9,078.43	54.55	167.422		
1,500.00	1,468.17	1,500.17	1,500.17	7.83	50.73	130.49	-349.56	-8,977.15	9,152.29	9,093.94	58.36	156.826		
1,600.00	1,563.86	1,604.14	1,595.86	8.35	54.35	130.62	-349.56	-8,977.15	9,171.66	9,109.19	62.47	146.824		
1,700.00	1,659.55	1,708.45	1,691.55	8.88	57.99	130.76	-349.56	-8,977.15	9,191.08	9,124.49	66.59	138.015		
1,800.00	1,755.23	1,787.23	1,787.23	9.42	60.74	130.89	-349.56	-8,977.15	9,210.55	9,140.71	69.84	131.882		
1,900.00	1,850.92	1,882.92	1,882.92	9.97	64.07	131.02	-349.56	-8,977.15	9,230.07	9,156.39	73.68	125.274		
2,000.00	1,946.61	1,978.61	1,978.61	10.52	67.41	131.15	-349.56	-8,977.15	9,249.64	9,172.12	77.52	119.315		
2,100.00	2,042.29	2,074.29	2,074.29	11.07	70.74	131.29	-349.56	-8,977.15	9,269.26	9,187.89	81.37	113.913		
2,200.00	2,137.98	2,169.98	2,169.98	11.63	74.08	131.42	-349.56	-8,977.15	9,288.93	9,203.70	85.22	108.996		
2,300.00	2,233.67	2,265.67	2,265.67	12.19	77.42	131.55	-349.56	-8,977.15	9,308.64	9,219.57	89.08	104.501		
2,400.00	2,329.35	2,361.35	2,361.35	12.76	80.76	131.68	-349.56	-8,977.15	9,328.41	9,235.48	92.93	100.377		
2,500.00	2,425.04	2,457.04	2,457.04	13.32	84.09	131.81	-349.56	-8,977.15	9,348.23	9,251.43	96.79	96.580		
2,600.00	2,520.72	2,552.72	2,552.72	13.89	87.43	131.94	-349.56	-8,977.15	9,368.09	9,267.44	100.65	93.073		
2,700.00	2,616.41	2,648.41	2,648.41	14.46	90.77	132.07	-349.56	-8,977.15	9,388.00	9,283.48	104.52	89.824		
2,800.00	2,712.10	2,744.10	2,744.10	15.03	94.11	132.20	-349.56	-8,977.15	9,407.96	9,299.58	108.38	86.806		
2,900.00	2,807.78	2,839.78	2,839.78	15.60	97.45	132.32	-349.56	-8,977.15	9,427.97	9,315.72	112.24	83.996		
3,000.00	2,903.47	2,935.47	2,935.47	16.18	100.79	132.45	-349.56	-8,977.15	9,448.02	9,331.91	116.11	81.372		
3,100.00	2,999.16	3,031.16	3,031.16	16.75	104.12	132.58	-349.56	-8,977.15	9,468.12	9,348.14	119.98	78.917		
3,200.00	3,094.84	3,126.84	3,126.84	17.33	107.46	132.70	-349.56	-8,977.15	9,488.26	9,364.42	123.84	76.615		
3,300.00	3,190.53	3,222.53	3,222.53	17.90	110.80	132.83	-349.56	-8,977.15	9,508.46	9,380.75	127.71	74.453		
3,400.00	3,286.22	3,318.22	3,318.22	18.48	114.14	132.95	-349.56	-8,977.15	9,528.69	9,397.12	131.58	72.418		
3,500.00	3,381.90	3,413.90	3,413.90	19.06	117.48	133.08	-349.56	-8,977.15	9,548.98	9,413.53	135.45	70.499		
3,600.00	3,477.59	3,509.59	3,509.59	19.64	120.82	133.20	-349.56	-8,977.15	9,569.31	9,429.99	139.32	68.688		
3,700.00	3,573.28	3,605.28	3,605.28	20.22	124.16	133.33	-349.56	-8,977.15	9,589.68	9,446.49	143.19	66.974		
3,800.00	3,668.96	3,700.96	3,700.96	20.80	127.50	133.45	-349.56	-8,977.15	9,610.10	9,463.04	147.06	65.350		
3,900.00	3,764.65	3,803.35	3,796.65	21.38	131.07	133.57	-349.56	-8,977.15	9,630.56	9,479.40	151.16	63.711		
4,000.00	3,860.33	3,907.67	3,892.33	21.96	134.71	133.69	-349.56	-8,977.15	9,651.07	9,495.74	155.33	62.133		
4,100.00	3,956.02	3,988.02	3,988.02	22.54	137.52	133.82	-349.56	-8,977.15	9,671.62	9,512.95	158.67	60.956		
4,200.00	4,051.71	4,083.71	4,083.71	23.13	140.86	133.94	-349.56	-8,977.15	9,692.21	9,529.68	162.54	59.631		
4,300.00	4,147.39	4,179.39	4,179.39	23.71	144.19	134.06	-349.56	-8,977.15	9,712.85	9,546.44	166.41	58.369		
4,400.00	4,243.08	4,275.08	4,275.08	24.29	147.53	134.18	-349.56	-8,977.15	9,733.53	9,563.25	170.28	57.163		
4,500.00	4,338.77	4,370.77	4,370.77	24.88	150.87	134.30	-349.56	-8,977.15	9,754.25	9,580.11	174.15	56.012		
4,600.00	4,434.45	4,466.45	4,466.45	25.46	154.21	134.42	-349.56	-8,977.15	9,775.02	9,597.00	178.02	54.911		
4,700.00	4,530.14	4,562.14	4,562.14	26.04	157.55	134.54	-349.56	-8,977.15	9,795.83	9,613.94	181.89	53.857		
4,800.00	4,625.83	4,657.83	4,657.83	26.63	160.89	134.65	-349.56	-8,977.15	9,816.67	9,630.92	185.76	52.847		
4,900.00	4,721.51	4,753.51	4,753.51	27.21	164.23	134.77	-349.56	-8,977.15	9,837.57	9,647.94	189.63	51.879		
5,000.00	4,817.20	4,849.20	4,849.20	27.80	167.57	134.89	-349.56	-8,977.15	9,858.50	9,665.00	193.50	50.949		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,944.89	4,944.89	28.38	170.91	135.01	-349.56	-8,977.15	9,879.47	9,682.11	197.37	50.057		
5,200.00	5,008.57	5,040.57	5,040.57	28.97	174.25	135.12	-349.56	-8,977.15	9,900.49	9,699.25	201.23	49.199		
5,300.00	5,104.26	5,136.26	5,136.26	29.55	177.59	135.24	-349.56	-8,977.15	9,921.54	9,716.44	205.10	48.373		
5,400.00	5,199.94	5,231.94	5,231.94	30.14	180.93	135.35	-349.56	-8,977.15	9,942.64	9,733.66	208.97	47.578		
5,500.00	5,295.63	5,327.63	5,327.63	30.72	184.27	135.47	-349.56	-8,977.15	9,963.77	9,750.93	212.84	46.813		
5,600.00	5,391.32	5,423.32	5,423.32	31.31	187.61	135.58	-349.56	-8,977.15	9,984.95	9,768.23	216.71	46.075		
7,350.00	6,999.94	7,031.94	7,031.94	39.85	243.76	26.20	-349.56	-8,977.15	9,981.93	9,702.15	279.78	35.678		
7,400.00	7,027.74	7,059.74	7,059.74	40.08	244.73	26.66	-349.56	-8,977.15	9,941.88	9,661.15	280.72	35.415		
7,450.00	7,052.31	7,084.31	7,084.31	40.34	245.59	27.67	-349.56	-8,977.15	9,899.66	9,618.11	281.55	35.162		
7,500.00	7,073.49	7,105.49	7,105.49	40.63	246.33	29.39	-349.56	-8,977.15	9,855.53	9,573.28	282.25	34.918		
7,550.00	7,091.17	7,123.17	7,123.17	40.95	246.95	32.14	-349.56	-8,977.15	9,809.76	9,526.93	282.83	34.684		
7,600.00	7,105.22	7,137.22	7,137.22	41.31	247.44	36.56	-349.56	-8,977.15	9,762.64	9,479.34	283.29	34.461		
7,650.00	7,115.57	7,147.57	7,147.57	41.71	247.80	43.97	-349.56	-8,977.15	9,714.44	9,430.81	283.63	34.250		
7,700.00	7,122.15	7,154.15	7,154.15	42.15	248.03	57.41	-349.56	-8,977.15	9,665.47	9,381.63	283.84	34.052		
7,750.00	7,124.91	7,156.91	7,156.91	42.62	248.12	82.51	-349.56	-8,977.15	9,616.03	9,332.10	283.93	33.868		
7,759.54	7,125.00	7,157.00	7,157.00	42.72	248.13	88.91	-349.56	-8,977.15	9,606.57	9,322.63	283.93	33.834		
7,800.00	7,125.10	7,157.10	7,157.10	43.13	248.13	88.92	-349.56	-8,977.15	9,566.42	9,282.49	283.93	33.693		
7,900.00	7,125.34	7,157.34	7,157.34	44.28	248.14	88.93	-349.56	-8,977.15	9,467.23	9,183.29	283.94	33.343		
8,000.00	7,125.58	7,157.58	7,157.58	45.61	248.15	88.94	-349.56	-8,977.15	9,368.05	9,084.10	283.95	32.992		
8,100.00	7,125.82	7,157.82	7,157.82	47.10	248.16	88.95	-349.56	-8,977.15	9,268.88	8,984.92	283.96	32.641		
8,200.00	7,126.06	7,158.06	7,158.06	48.72	248.16	88.96	-349.56	-8,977.15	9,169.74	8,885.75	283.98	32.290		
8,300.00	7,126.30	7,158.30	7,158.30	50.48	248.17	88.97	-349.56	-8,977.15	9,070.61	8,786.60	284.01	31.937		
8,400.00	7,126.54	7,158.54	7,158.54	52.34	248.18	88.98	-349.56	-8,977.15	8,971.50	8,687.46	284.05	31.585		
8,500.00	7,126.78	7,158.78	7,158.78	54.30	248.19	89.00	-349.56	-8,977.15	8,872.42	8,588.33	284.09	31.231		
8,600.00	7,127.02	7,159.02	7,159.02	56.35	248.20	89.01	-349.56	-8,977.15	8,773.35	8,489.21	284.14	30.877		
8,700.00	7,127.26	7,159.26	7,159.26	58.47	248.21	89.02	-349.56	-8,977.15	8,674.30	8,390.11	284.19	30.523		
8,800.00	7,127.50	7,159.50	7,159.50	60.66	248.21	89.03	-349.56	-8,977.15	8,575.28	8,291.02	284.26	30.167		
8,900.00	7,127.74	7,159.74	7,159.74	62.90	248.22	89.04	-349.56	-8,977.15	8,476.28	8,191.95	284.33	29.811		
9,000.00	7,127.98	7,159.98	7,159.98	65.19	248.23	89.05	-349.56	-8,977.15	8,377.30	8,092.89	284.41	29.455		
9,100.00	7,128.22	7,160.22	7,160.22	67.53	248.24	89.06	-349.56	-8,977.15	8,278.35	7,993.85	284.50	29.098		
9,200.00	7,128.46	7,160.46	7,160.46	69.92	248.25	89.08	-349.56	-8,977.15	8,179.43	7,894.82	284.60	28.740		
9,300.00	7,128.70	7,160.70	7,160.70	72.33	248.26	89.09	-349.56	-8,977.15	8,080.53	7,795.81	284.71	28.381		
9,400.00	7,128.94	7,160.94	7,160.94	74.78	248.26	89.10	-349.56	-8,977.15	7,981.65	7,696.82	284.84	28.022		
9,500.00	7,129.18	7,161.18	7,161.18	77.26	248.27	89.11	-349.56	-8,977.15	7,882.81	7,597.84	284.97	27.662		
9,600.00	7,129.42	7,161.42	7,161.42	79.76	248.28	89.12	-349.56	-8,977.15	7,784.00	7,498.88	285.12	27.301		
9,700.00	7,129.66	7,161.66	7,161.66	82.29	248.29	89.13	-349.56	-8,977.15	7,685.21	7,399.94	285.27	26.940		
9,800.00	7,129.90	7,161.90	7,161.90	84.84	248.30	89.14	-349.56	-8,977.15	7,586.46	7,301.01	285.45	26.578		
9,900.00	7,130.14	7,162.14	7,162.14	87.41	248.31	89.16	-349.56	-8,977.15	7,487.74	7,202.11	285.63	26.215		
10,000.00	7,130.38	7,162.38	7,162.38	90.00	248.32	89.17	-349.56	-8,977.15	7,389.06	7,103.22	285.83	25.851		
10,100.00	7,130.62	7,162.62	7,162.62	92.60	248.32	89.18	-349.56	-8,977.15	7,290.41	7,004.36	286.05	25.487		
10,200.00	7,130.86	7,162.86	7,162.86	95.22	248.33	89.19	-349.56	-8,977.15	7,191.80	6,905.51	286.28	25.121		
10,300.00	7,131.09	7,163.09	7,163.09	97.85	248.34	89.20	-349.56	-8,977.15	7,093.23	6,806.69	286.53	24.755		
10,400.00	7,131.33	7,163.33	7,163.33	100.50	248.35	89.21	-349.56	-8,977.15	6,994.69	6,707.89	286.80	24.389		
10,500.00	7,131.57	7,163.57	7,163.57	103.16	248.36	89.22	-349.56	-8,977.15	6,896.20	6,609.11	287.09	24.021		
10,600.00	7,131.81	7,163.81	7,163.81	105.82	248.37	89.24	-349.56	-8,977.15	6,797.76	6,510.36	287.40	23.653		
10,700.00	7,132.05	7,164.05	7,164.05	108.50	248.37	89.25	-349.56	-8,977.15	6,699.36	6,411.63	287.73	23.283		
10,800.00	7,132.29	7,164.29	7,164.29	111.19	248.38	89.26	-349.56	-8,977.15	6,601.01	6,312.93	288.08	22.914		
10,900.00	7,132.53	7,164.53	7,164.53	113.88	248.39	89.27	-349.56	-8,977.15	6,502.71	6,214.25	288.46	22.543		
11,000.00	7,132.77	7,164.77	7,164.77	116.58	248.40	89.28	-349.56	-8,977.15	6,404.46	6,115.60	288.86	22.171		
11,100.00	7,133.01	7,165.01	7,165.01	119.29	248.41	89.29	-349.56	-8,977.15	6,306.27	6,016.98	289.29	21.799		
11,200.00	7,133.25	7,165.25	7,165.25	122.01	248.42	89.30	-349.56	-8,977.15	6,208.13	5,918.38	289.75	21.426		
11,300.00	7,133.49	7,165.49	7,165.49	124.73	248.42	89.32	-349.56	-8,977.15	6,110.05	5,819.82	290.23	21.052		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,400.00	7,133.73	7,165.73	7,165.73	127.46	248.43	89.33	-349.56	-8,977.15	6,012.04	5,721.29	290.75	20.678		
11,500.00	7,133.97	7,165.97	7,165.97	130.19	248.44	89.34	-349.56	-8,977.15	5,914.10	5,622.80	291.30	20.303		
11,600.00	7,134.21	7,166.21	7,166.21	132.93	248.45	89.35	-349.56	-8,977.15	5,816.22	5,524.34	291.88	19.927		
11,700.00	7,134.45	7,166.45	7,166.45	135.68	248.46	89.36	-349.56	-8,977.15	5,718.42	5,425.92	292.50	19.550		
11,800.00	7,134.69	7,166.69	7,166.69	138.43	248.47	89.37	-349.56	-8,977.15	5,620.70	5,327.54	293.16	19.173		
11,900.00	7,134.93	7,166.93	7,166.93	141.18	248.47	89.38	-349.56	-8,977.15	5,523.05	5,229.20	293.86	18.795		
12,000.00	7,135.17	7,167.17	7,167.17	143.94	248.48	89.40	-349.56	-8,977.15	5,425.50	5,130.90	294.60	18.417		
12,100.00	7,135.41	7,167.41	7,167.41	146.70	248.49	89.41	-349.56	-8,977.15	5,328.03	5,032.65	295.38	18.038		
12,200.00	7,135.65	7,167.65	7,167.65	149.46	248.50	89.42	-349.56	-8,977.15	5,230.66	4,934.45	296.21	17.658		
12,300.00	7,135.89	7,167.89	7,167.89	152.23	248.51	89.43	-349.56	-8,977.15	5,133.39	4,836.29	297.09	17.279		
12,400.00	7,136.13	7,168.13	7,168.13	155.00	248.52	89.44	-349.56	-8,977.15	5,036.23	4,738.20	298.03	16.898		
12,500.00	7,136.37	7,168.37	7,168.37	157.78	248.52	89.45	-349.56	-8,977.15	4,939.18	4,640.16	299.02	16.518		
12,600.00	7,136.61	7,168.61	7,168.61	160.55	248.53	89.46	-349.56	-8,977.15	4,842.25	4,542.18	300.07	16.137		
12,700.00	7,136.85	7,168.85	7,168.85	163.33	248.54	89.48	-349.56	-8,977.15	4,745.44	4,444.26	301.18	15.756		
12,800.00	7,137.09	7,169.09	7,169.09	166.12	248.55	89.49	-349.56	-8,977.15	4,648.78	4,346.42	302.36	15.375		
12,900.00	7,137.33	7,169.33	7,169.33	168.90	248.56	89.50	-349.56	-8,977.15	4,552.25	4,248.65	303.61	14.994		
13,000.00	7,137.57	7,169.57	7,169.57	171.69	248.57	89.51	-349.56	-8,977.15	4,455.88	4,150.96	304.93	14.613		
13,100.00	7,137.81	7,169.81	7,169.81	174.48	248.57	89.52	-349.56	-8,977.15	4,359.68	4,053.35	306.33	14.232		
13,200.00	7,138.05	7,170.05	7,170.05	177.27	248.58	89.53	-349.56	-8,977.15	4,263.65	3,955.84	307.81	13.852		
13,300.00	7,138.29	7,170.29	7,170.29	180.07	248.59	89.54	-349.56	-8,977.15	4,167.80	3,858.42	309.38	13.471		
13,400.00	7,138.53	7,170.53	7,170.53	182.86	248.60	89.56	-349.56	-8,977.15	4,072.16	3,761.11	311.05	13.092		
13,500.00	7,138.77	7,170.77	7,170.77	185.66	248.61	89.57	-349.56	-8,977.15	3,976.73	3,663.92	312.81	12.713		
13,600.00	7,139.01	7,171.01	7,171.01	188.46	248.62	89.58	-349.56	-8,977.15	3,881.53	3,566.84	314.68	12.335		
13,700.00	7,139.25	7,171.25	7,171.25	191.26	248.62	89.59	-349.56	-8,977.15	3,786.57	3,469.90	316.67	11.957		
13,800.00	7,139.49	7,171.49	7,171.49	194.06	248.63	89.60	-349.56	-8,977.15	3,691.89	3,373.11	318.78	11.581		
13,900.00	7,139.73	7,171.73	7,171.73	196.87	248.64	89.61	-349.56	-8,977.15	3,597.49	3,276.47	321.02	11.207		
14,000.00	7,139.97	7,171.97	7,171.97	199.68	248.65	89.62	-349.56	-8,977.15	3,503.40	3,180.00	323.39	10.833		
14,100.00	7,140.21	7,172.21	7,172.21	202.48	248.66	89.64	-349.56	-8,977.15	3,409.65	3,083.73	325.92	10.462		
14,200.00	7,140.45	7,172.45	7,172.45	205.29	248.67	89.65	-349.56	-8,977.15	3,316.26	2,987.65	328.61	10.092		
14,300.00	7,140.69	7,172.69	7,172.69	208.10	248.68	89.66	-349.56	-8,977.15	3,223.27	2,891.80	331.47	9.724		
14,400.00	7,140.93	7,172.93	7,172.93	210.91	248.68	89.67	-349.56	-8,977.15	3,130.71	2,796.20	334.51	9.359		
14,500.00	7,141.17	7,173.17	7,173.17	213.73	248.69	89.68	-349.56	-8,977.15	3,038.63	2,700.88	337.75	8.997		
14,600.00	7,141.41	7,173.41	7,173.41	216.54	248.70	89.69	-349.56	-8,977.15	2,947.06	2,605.85	341.20	8.637		
14,700.00	7,141.65	7,173.65	7,173.65	219.36	248.71	89.70	-349.56	-8,977.15	2,856.05	2,511.16	344.89	8.281		
14,800.00	7,141.89	7,173.89	7,173.89	222.17	248.72	89.72	-349.56	-8,977.15	2,765.67	2,416.85	348.82	7.929		
14,900.00	7,142.13	7,174.13	7,174.13	224.99	248.73	89.73	-349.56	-8,977.15	2,675.97	2,322.95	353.02	7.580		
15,000.00	7,142.36	7,174.36	7,174.36	227.81	248.73	89.74	-349.56	-8,977.15	2,587.02	2,229.52	357.50	7.236		
15,100.00	7,142.60	7,174.60	7,174.60	230.63	248.74	89.75	-349.56	-8,977.15	2,498.91	2,136.61	362.30	6.897		
15,200.00	7,142.84	7,174.84	7,174.84	233.45	248.75	89.76	-349.56	-8,977.15	2,411.73	2,044.30	367.43	6.564		
15,300.00	7,143.08	7,175.08	7,175.08	236.27	248.76	89.77	-349.56	-8,977.15	2,325.59	1,952.66	372.92	6.236		
15,400.00	7,143.32	7,175.32	7,175.32	239.09	248.77	89.78	-349.56	-8,977.15	2,240.59	1,861.79	378.80	5.915		
15,500.00	7,143.56	7,175.56	7,175.56	241.91	248.78	89.80	-349.56	-8,977.15	2,156.88	1,771.79	385.09	5.601		
15,600.00	7,143.80	7,175.80	7,175.80	244.73	248.78	89.81	-349.56	-8,977.15	2,074.61	1,682.79	391.82	5.295		
15,700.00	7,144.04	7,176.04	7,176.04	247.56	248.79	89.82	-349.56	-8,977.15	1,993.96	1,594.95	399.02	4.997		
15,800.00	7,144.28	7,176.28	7,176.28	250.38	248.80	89.83	-349.56	-8,977.15	1,915.15	1,508.44	406.70	4.709		
15,900.00	7,144.52	7,176.52	7,176.52	253.21	248.81	89.84	-349.56	-8,977.15	1,838.39	1,423.50	414.89	4.431		
16,000.00	7,144.76	7,176.76	7,176.76	256.03	248.82	89.85	-349.56	-8,977.15	1,763.96	1,340.36	423.60	4.164		
16,100.00	7,145.00	7,177.00	7,177.00	258.86	248.83	89.86	-349.56	-8,977.15	1,692.17	1,259.35	432.82	3.910		
16,200.00	7,145.24	7,177.24	7,177.24	261.69	248.83	89.88	-349.56	-8,977.15	1,623.37	1,180.83	442.54	3.668		
16,300.00	7,145.48	7,177.48	7,177.48	264.52	248.84	89.89	-349.56	-8,977.15	1,557.95	1,105.24	452.71	3.441		
16,400.00	7,145.72	7,177.72	7,177.72	267.35	248.85	89.90	-349.56	-8,977.15	1,496.36	1,033.10	463.26	3.230		
16,500.00	7,145.96	7,177.96	7,177.96	270.18	248.86	89.91	-349.56	-8,977.15	1,439.09	965.02	474.07	3.036		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,600.00	7,146.20	7,178.20	7,178.20	273.01	248.87	89.92	-349.56	-8,977.15	1,386.68	901.68	484.99	2.859		
16,700.00	7,146.44	7,178.44	7,178.44	275.84	248.88	89.93	-349.56	-8,977.15	1,339.69	843.88	495.81	2.702		
16,800.00	7,146.68	7,178.68	7,178.68	278.67	248.88	89.94	-349.56	-8,977.15	1,298.71	792.46	506.25	2.565		
16,900.00	7,146.92	7,178.92	7,178.92	281.50	248.89	89.96	-349.56	-8,977.15	1,264.33	748.32	516.01	2.450		
17,000.00	7,147.16	7,179.16	7,179.16	284.33	248.90	89.97	-349.56	-8,977.15	1,237.10	712.35	524.75	2.357		
17,100.00	7,147.40	7,179.40	7,179.40	287.16	248.91	89.98	-349.56	-8,977.15	1,217.50	685.36	532.14	2.288		
17,200.00	7,147.64	7,179.64	7,179.64	290.00	248.92	89.99	-349.56	-8,977.15	1,205.90	668.01	537.88	2.242		
17,290.58	7,147.86	7,179.86	7,179.86	292.56	248.93	90.00	-349.56	-8,977.15	1,202.49	661.02	541.47	2.221 CC		
17,300.00	7,147.88	7,179.88	7,179.88	292.83	248.93	90.00	-349.56	-8,977.15	1,202.53	660.77	541.76	2.220 ES, SF		
17,400.00	7,148.12	7,180.12	7,180.12	295.66	248.93	90.01	-349.56	-8,977.15	1,207.46	663.81	543.65	2.221		
17,500.00	7,148.36	7,180.36	7,180.36	298.50	248.94	90.02	-349.56	-8,977.15	1,220.59	677.02	543.57	2.245		
17,600.00	7,148.60	7,180.60	7,180.60	301.33	248.95	90.04	-349.56	-8,977.15	1,241.66	700.01	541.65	2.292		
17,700.00	7,148.84	7,180.84	7,180.84	304.17	248.96	90.05	-349.56	-8,977.15	1,270.28	732.18	538.10	2.361		
17,800.00	7,149.08	7,181.08	7,181.08	307.00	248.97	90.06	-349.56	-8,977.15	1,305.94	772.75	533.19	2.449		
17,900.00	7,149.32	7,181.32	7,181.32	309.84	248.98	90.07	-349.56	-8,977.15	1,348.10	820.87	527.23	2.557		
18,000.00	7,149.56	7,181.56	7,181.56	312.68	248.98	90.08	-349.56	-8,977.15	1,396.16	875.64	520.51	2.682		
18,100.00	7,149.80	7,181.80	7,181.80	315.51	248.99	90.09	-349.56	-8,977.15	1,449.53	936.23	513.30	2.824		
18,200.00	7,150.04	7,182.04	7,182.04	318.35	249.00	90.10	-349.56	-8,977.15	1,507.66	1,001.85	505.81	2.981		
18,300.00	7,150.28	7,182.28	7,182.28	321.19	249.01	90.12	-349.56	-8,977.15	1,570.00	1,071.77	498.23	3.151		
18,400.00	7,150.52	7,182.52	7,182.52	324.03	249.02	90.13	-349.56	-8,977.15	1,636.09	1,145.39	490.70	3.334		
18,500.00	7,150.76	7,182.76	7,182.76	326.86	249.03	90.14	-349.56	-8,977.15	1,705.49	1,222.16	483.33	3.529		
18,600.00	7,151.00	7,183.00	7,183.00	329.70	249.04	90.15	-349.56	-8,977.15	1,777.80	1,301.62	476.18	3.733		
18,700.00	7,151.24	7,183.24	7,183.24	332.54	249.04	90.16	-349.56	-8,977.15	1,852.69	1,383.39	469.30	3.948		
18,800.00	7,151.48	7,183.48	7,183.48	335.38	249.05	90.17	-349.56	-8,977.15	1,929.85	1,467.13	462.72	4.171		
18,900.00	7,151.72	7,183.72	7,183.72	338.22	249.06	90.18	-349.56	-8,977.15	2,009.03	1,552.57	456.46	4.401		
19,000.00	7,151.96	7,183.96	7,183.96	341.06	249.07	90.20	-349.56	-8,977.15	2,090.00	1,639.48	450.52	4.639		
19,018.30	7,152.00	7,184.00	7,184.00	341.58	249.07	90.20	-349.56	-8,977.15	2,104.99	1,655.52	449.47	4.683		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	13.00	13.00	3.28	3.29	-96.68	-1,135.46	-9,701.36	9,767.59					
100.00	100.00	113.00	113.00	3.28	3.95	-96.68	-1,135.46	-9,701.36	9,767.59	9,760.35	7.23	1,350.270		
200.00	200.00	213.00	213.00	3.34	6.57	-96.68	-1,135.46	-9,701.36	9,767.59	9,757.68	9.91	986.126		
300.00	299.98	312.98	312.98	3.44	9.75	126.07	-1,135.46	-9,701.36	9,768.61	9,755.42	13.19	740.646		
400.00	399.84	412.84	412.84	3.59	13.08	126.04	-1,135.46	-9,701.36	9,771.70	9,755.02	16.68	585.956		
500.00	499.45	512.45	512.45	3.80	16.47	126.00	-1,135.46	-9,701.36	9,776.83	9,756.57	20.27	482.416		
600.00	598.70	611.70	611.70	4.04	19.88	125.94	-1,135.46	-9,701.36	9,784.03	9,760.11	23.92	409.060		
700.00	697.47	710.47	710.47	4.32	23.29	125.86	-1,135.46	-9,701.36	9,793.28	9,765.67	27.61	354.691		
800.00	795.62	808.62	808.62	4.65	26.69	125.77	-1,135.46	-9,701.36	9,804.58	9,773.25	31.33	312.949		
900.00	893.06	906.06	906.06	5.01	30.06	125.65	-1,135.46	-9,701.36	9,817.93	9,782.87	35.07	279.991		
1,000.00	989.64	1,002.64	1,002.64	5.42	33.42	125.52	-1,135.46	-9,701.36	9,833.34	9,794.53	38.81	253.371		
1,044.50	1,032.32	1,045.32	1,045.32	5.61	34.90	125.45	-1,135.46	-9,701.36	9,840.86	9,800.38	40.48	243.113		
1,100.00	1,085.43	1,101.57	1,098.43	5.86	36.86	125.53	-1,135.46	-9,701.36	9,850.49	9,807.82	42.67	230.853		
1,200.00	1,181.11	1,205.89	1,194.11	6.33	40.49	125.66	-1,135.46	-9,701.36	9,867.90	9,821.16	46.74	211.128		
1,300.00	1,276.80	1,289.80	1,289.80	6.81	43.41	125.79	-1,135.46	-9,701.36	9,885.35	9,835.24	50.12	197.244		
1,400.00	1,372.49	1,385.49	1,385.49	7.31	46.74	125.93	-1,135.46	-9,701.36	9,902.87	9,848.95	53.92	183.655		
1,500.00	1,468.17	1,481.17	1,481.17	7.83	50.07	126.06	-1,135.46	-9,701.36	9,920.43	9,862.70	57.74	171.821		
1,600.00	1,563.86	1,576.86	1,576.86	8.35	53.40	126.19	-1,135.46	-9,701.36	9,938.05	9,876.49	61.56	161.429		
1,700.00	1,659.55	1,672.55	1,672.55	8.88	56.74	126.32	-1,135.46	-9,701.36	9,955.73	9,890.33	65.40	152.234		
1,800.00	1,755.23	1,768.23	1,768.23	9.42	60.07	126.45	-1,135.46	-9,701.36	9,973.46	9,904.22	69.24	144.044		
1,900.00	1,850.92	1,863.92	1,863.92	9.97	63.41	126.58	-1,135.46	-9,701.36	9,991.24	9,918.15	73.09	136.705		
8,100.00	7,125.82	7,138.82	7,138.82	47.10	247.49	86.79	-1,135.46	-9,701.36	9,931.64	9,647.84	283.80	34.995		
8,200.00	7,126.06	7,139.06	7,139.06	48.72	247.50	86.82	-1,135.46	-9,701.36	9,931.74	9,547.93	283.81	34.642		
8,300.00	7,126.30	7,139.30	7,139.30	50.48	247.51	86.85	-1,135.46	-9,701.36	9,931.83	9,448.02	283.81	34.289		
8,400.00	7,126.54	7,139.54	7,139.54	52.34	247.52	86.88	-1,135.46	-9,701.36	9,931.93	9,348.10	283.82	33.936		
8,500.00	7,126.78	7,139.78	7,139.78	54.30	247.53	86.92	-1,135.46	-9,701.36	9,932.03	9,248.19	283.83	33.583		
8,600.00	7,127.02	7,140.02	7,140.02	56.35	247.53	86.95	-1,135.46	-9,701.36	9,932.13	9,148.28	283.84	33.230		
8,700.00	7,127.26	7,140.26	7,140.26	58.47	247.54	86.98	-1,135.46	-9,701.36	9,932.23	9,048.37	283.85	32.877		
8,800.00	7,127.50	7,140.50	7,140.50	60.66	247.55	87.01	-1,135.46	-9,701.36	9,932.33	8,948.47	283.87	32.523		
8,900.00	7,127.74	7,140.74	7,140.74	62.90	247.56	87.05	-1,135.46	-9,701.36	9,932.44	8,848.56	283.88	32.170		
9,000.00	7,127.98	7,140.98	7,140.98	65.19	247.57	87.08	-1,135.46	-9,701.36	9,932.55	8,748.65	283.90	31.816		
9,100.00	7,128.22	7,141.22	7,141.22	67.53	247.58	87.11	-1,135.46	-9,701.36	8,932.66	8,648.74	283.92	31.462		
9,200.00	7,128.46	7,141.46	7,141.46	69.92	247.58	87.14	-1,135.46	-9,701.36	8,932.77	8,548.84	283.94	31.108		
9,300.00	7,128.70	7,141.70	7,141.70	72.33	247.59	87.18	-1,135.46	-9,701.36	8,932.89	8,448.93	283.96	30.754		
9,400.00	7,128.94	7,141.94	7,141.94	74.78	247.60	87.21	-1,135.46	-9,701.36	8,933.01	8,349.03	283.98	30.400		
9,500.00	7,129.18	7,142.18	7,142.18	77.26	247.61	87.24	-1,135.46	-9,701.36	8,933.13	8,249.12	284.01	30.045		
9,600.00	7,129.42	7,142.42	7,142.42	79.76	247.62	87.27	-1,135.46	-9,701.36	8,933.26	8,149.22	284.04	29.691		
9,700.00	7,129.66	7,142.66	7,142.66	82.29	247.63	87.30	-1,135.46	-9,701.36	8,933.39	8,049.32	284.07	29.336		
9,800.00	7,129.90	7,142.90	7,142.90	84.84	247.64	87.34	-1,135.46	-9,701.36	8,933.52	7,949.42	284.10	28.981		
9,900.00	7,130.14	7,143.14	7,143.14	87.41	247.64	87.37	-1,135.46	-9,701.36	8,933.65	7,849.52	284.13	28.626		
10,000.00	7,130.38	7,143.38	7,143.38	90.00	247.65	87.40	-1,135.46	-9,701.36	8,933.79	7,749.62	284.17	28.271		
10,100.00	7,130.62	7,143.62	7,143.62	92.60	247.66	87.43	-1,135.46	-9,701.36	7,933.93	7,649.72	284.21	27.916		
10,200.00	7,130.86	7,143.86	7,143.86	95.22	247.67	87.47	-1,135.46	-9,701.36	7,934.08	7,549.83	284.25	27.561		
10,300.00	7,131.09	7,144.09	7,144.09	97.85	247.68	87.50	-1,135.46	-9,701.36	7,934.22	7,449.93	284.29	27.205		
10,400.00	7,131.33	7,144.33	7,144.33	100.50	247.69	87.53	-1,135.46	-9,701.36	7,934.38	7,350.04	284.34	26.850		
10,500.00	7,131.57	7,144.57	7,144.57	103.16	247.69	87.56	-1,135.46	-9,701.36	7,934.53	7,250.15	284.39	26.494		
10,600.00	7,131.81	7,144.81	7,144.81	105.82	247.70	87.60	-1,135.46	-9,701.36	7,934.69	7,150.26	284.44	26.138		
10,700.00	7,132.05	7,145.05	7,145.05	108.50	247.71	87.63	-1,135.46	-9,701.36	7,934.86	7,050.37	284.49	25.782		
10,800.00	7,132.29	7,145.29	7,145.29	111.19	247.72	87.66	-1,135.46	-9,701.36	7,935.03	6,950.48	284.55	25.426		
10,900.00	7,132.53	7,145.53	7,145.53	113.88	247.73	87.69	-1,135.46	-9,701.36	7,935.20	6,850.59	284.61	25.070		
11,000.00	7,132.77	7,145.77	7,145.77	116.58	247.74	87.73	-1,135.46	-9,701.36	7,935.38	6,750.71	284.68	24.714		
11,100.00	7,133.01	7,146.01	7,146.01	119.29	247.74	87.76	-1,135.46	-9,701.36	6,935.57	6,650.82	284.74	24.357		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,200.00	7,133.25	7,146.25	7,146.25	122.01	247.75	87.79	-1,135.46	-9,701.36	6,835.76	6,550.94	284.82	24.001		
11,300.00	7,133.49	7,146.49	7,146.49	124.73	247.76	87.82	-1,135.46	-9,701.36	6,735.95	6,451.06	284.89	23.644		
11,400.00	7,133.73	7,146.73	7,146.73	127.46	247.77	87.85	-1,135.46	-9,701.36	6,636.16	6,351.18	284.97	23.287		
11,500.00	7,133.97	7,146.97	7,146.97	130.19	247.78	87.89	-1,135.46	-9,701.36	6,536.36	6,251.31	285.06	22.930		
11,600.00	7,134.21	7,147.21	7,147.21	132.93	247.79	87.92	-1,135.46	-9,701.36	6,436.58	6,151.43	285.15	22.573		
11,700.00	7,134.45	7,147.45	7,147.45	135.68	247.79	87.95	-1,135.46	-9,701.36	6,336.80	6,051.56	285.24	22.216		
11,800.00	7,134.69	7,147.69	7,147.69	138.43	247.80	87.98	-1,135.46	-9,701.36	6,237.03	5,951.69	285.34	21.858		
11,900.00	7,134.93	7,147.93	7,147.93	141.18	247.81	88.02	-1,135.46	-9,701.36	6,137.26	5,851.82	285.44	21.501		
12,000.00	7,135.17	7,148.17	7,148.17	143.94	247.82	88.05	-1,135.46	-9,701.36	6,037.50	5,751.95	285.56	21.143		
12,100.00	7,135.41	7,148.41	7,148.41	146.70	247.83	88.08	-1,135.46	-9,701.36	5,937.75	5,652.08	285.67	20.785		
12,200.00	7,135.65	7,148.65	7,148.65	149.46	247.84	88.11	-1,135.46	-9,701.36	5,838.01	5,552.22	285.80	20.427		
12,300.00	7,135.89	7,148.89	7,148.89	152.23	247.84	88.15	-1,135.46	-9,701.36	5,738.28	5,452.36	285.93	20.069		
12,400.00	7,136.13	7,149.13	7,149.13	155.00	247.85	88.18	-1,135.46	-9,701.36	5,638.56	5,352.49	286.07	19.711		
12,500.00	7,136.37	7,149.37	7,149.37	157.78	247.86	88.21	-1,135.46	-9,701.36	5,538.85	5,252.64	286.21	19.352		
12,600.00	7,136.61	7,149.61	7,149.61	160.55	247.87	88.24	-1,135.46	-9,701.36	5,439.15	5,152.78	286.37	18.993		
12,700.00	7,136.85	7,149.85	7,149.85	163.33	247.88	88.28	-1,135.46	-9,701.36	5,339.46	5,052.92	286.54	18.635		
12,800.00	7,137.09	7,150.09	7,150.09	166.12	247.89	88.31	-1,135.46	-9,701.36	5,239.78	4,953.07	286.71	18.275		
12,900.00	7,137.33	7,150.33	7,150.33	168.90	247.89	88.34	-1,135.46	-9,701.36	5,140.12	4,853.22	286.90	17.916		
13,000.00	7,137.57	7,150.57	7,150.57	171.69	247.90	88.37	-1,135.46	-9,701.36	5,040.46	4,753.37	287.10	17.557		
13,100.00	7,137.81	7,150.81	7,150.81	174.48	247.91	88.40	-1,135.46	-9,701.36	4,940.82	4,653.52	287.31	17.197		
13,200.00	7,138.05	7,151.05	7,151.05	177.27	247.92	88.44	-1,135.46	-9,701.36	4,841.20	4,553.67	287.53	16.837		
13,300.00	7,138.29	7,151.29	7,151.29	180.07	247.93	88.47	-1,135.46	-9,701.36	4,741.59	4,453.82	287.77	16.477		
13,400.00	7,138.53	7,151.53	7,151.53	182.86	247.94	88.50	-1,135.46	-9,701.36	4,642.00	4,353.98	288.03	16.117		
13,500.00	7,138.77	7,151.77	7,151.77	185.66	247.94	88.53	-1,135.46	-9,701.36	4,542.43	4,254.13	288.30	15.756		
13,600.00	7,139.01	7,152.01	7,152.01	188.46	247.95	88.57	-1,135.46	-9,701.36	4,442.88	4,154.28	288.59	15.395		
13,700.00	7,139.25	7,152.25	7,152.25	191.26	247.96	88.60	-1,135.46	-9,701.36	4,343.34	4,054.44	288.91	15.034		
13,800.00	7,139.49	7,152.49	7,152.49	194.06	247.97	88.63	-1,135.46	-9,701.36	4,243.83	3,954.59	289.24	14.672		
13,900.00	7,139.73	7,152.73	7,152.73	196.87	247.98	88.66	-1,135.46	-9,701.36	4,144.34	3,854.75	289.60	14.311		
14,000.00	7,139.97	7,152.97	7,152.97	199.68	247.99	88.70	-1,135.46	-9,701.36	4,044.88	3,754.90	289.99	13.949		
14,100.00	7,140.21	7,153.21	7,153.21	202.48	248.00	88.73	-1,135.46	-9,701.36	3,945.45	3,655.05	290.40	13.586		
14,200.00	7,140.45	7,153.45	7,153.45	205.29	248.00	88.76	-1,135.46	-9,701.36	3,846.04	3,555.19	290.85	13.223		
14,300.00	7,140.69	7,153.69	7,153.69	208.10	248.01	88.79	-1,135.46	-9,701.36	3,746.67	3,455.33	291.33	12.860		
14,400.00	7,140.93	7,153.93	7,153.93	210.91	248.02	88.83	-1,135.46	-9,701.36	3,647.33	3,355.47	291.85	12.497		
14,500.00	7,141.17	7,154.17	7,154.17	213.73	248.03	88.86	-1,135.46	-9,701.36	3,548.02	3,255.61	292.42	12.133		
14,600.00	7,141.41	7,154.41	7,154.41	216.54	248.04	88.89	-1,135.46	-9,701.36	3,448.76	3,155.73	293.03	11.769		
14,700.00	7,141.65	7,154.65	7,154.65	219.36	248.05	88.92	-1,135.46	-9,701.36	3,349.54	3,055.85	293.69	11.405		
14,800.00	7,141.89	7,154.89	7,154.89	222.17	248.05	88.96	-1,135.46	-9,701.36	3,250.37	2,955.96	294.41	11.040		
14,900.00	7,142.13	7,155.13	7,155.13	224.99	248.06	88.99	-1,135.46	-9,701.36	3,151.25	2,856.05	295.20	10.675		
15,000.00	7,142.36	7,155.36	7,155.36	227.81	248.07	89.02	-1,135.46	-9,701.36	3,052.19	2,756.13	296.06	10.309		
15,100.00	7,142.60	7,155.60	7,155.60	230.63	248.08	89.05	-1,135.46	-9,701.36	2,953.19	2,656.20	296.99	9.944		
15,200.00	7,142.84	7,155.84	7,155.84	233.45	248.09	89.09	-1,135.46	-9,701.36	2,854.26	2,556.25	298.02	9.577		
15,300.00	7,143.08	7,156.08	7,156.08	236.27	248.10	89.12	-1,135.46	-9,701.36	2,755.41	2,456.27	299.14	9.211		
15,400.00	7,143.32	7,156.32	7,156.32	239.09	248.10	89.15	-1,135.46	-9,701.36	2,656.65	2,356.27	300.38	8.844		
15,500.00	7,143.56	7,156.56	7,156.56	241.91	248.11	89.18	-1,135.46	-9,701.36	2,557.98	2,256.24	301.74	8.477		
15,600.00	7,143.80	7,156.80	7,156.80	244.73	248.12	89.21	-1,135.46	-9,701.36	2,459.42	2,156.17	303.25	8.110		
15,700.00	7,144.04	7,157.04	7,157.04	247.56	248.13	89.25	-1,135.46	-9,701.36	2,360.98	2,056.06	304.92	7.743		
15,800.00	7,144.28	7,157.28	7,157.28	250.38	248.14	89.28	-1,135.46	-9,701.36	2,262.67	1,955.91	306.77	7.376		
15,900.00	7,144.52	7,157.52	7,157.52	253.21	248.15	89.31	-1,135.46	-9,701.36	2,164.53	1,855.70	308.83	7.009		
16,000.00	7,144.76	7,157.76	7,157.76	256.03	248.15	89.34	-1,135.46	-9,701.36	2,066.56	1,755.43	311.13	6.642		
16,100.00	7,145.00	7,158.00	7,158.00	258.86	248.16	89.38	-1,135.46	-9,701.36	1,968.79	1,655.09	313.70	6.276		
16,200.00	7,145.24	7,158.24	7,158.24	261.69	248.17	89.41	-1,135.46	-9,701.36	1,871.26	1,554.66	316.60	5.910		
16,300.00	7,145.48	7,158.48	7,158.48	264.52	248.18	89.44	-1,135.46	-9,701.36	1,774.00	1,454.13	319.87	5.546		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,400.00	7,145.72	7,158.72	7,158.72	267.35	248.19	89.47	-1,135.46	-9,701.36	1,677.07	1,353.49	323.58	5.183		
16,500.00	7,145.96	7,158.96	7,158.96	270.18	248.20	89.51	-1,135.46	-9,701.36	1,580.52	1,252.73	327.79	4.822		
16,600.00	7,146.20	7,159.20	7,159.20	273.01	248.20	89.54	-1,135.46	-9,701.36	1,484.43	1,151.81	332.62	4.463		
16,700.00	7,146.44	7,159.44	7,159.44	275.84	248.21	89.57	-1,135.46	-9,701.36	1,388.88	1,050.72	338.17	4.107		
16,800.00	7,146.68	7,159.68	7,159.68	278.67	248.22	89.60	-1,135.46	-9,701.36	1,294.01	949.43	344.59	3.755		
16,900.00	7,146.92	7,159.92	7,159.92	281.50	248.23	89.64	-1,135.46	-9,701.36	1,199.98	847.92	352.06	3.408		
17,000.00	7,147.16	7,160.16	7,160.16	284.33	248.24	89.67	-1,135.46	-9,701.36	1,106.99	746.17	360.82	3.068		
17,100.00	7,147.40	7,160.40	7,160.40	287.16	248.25	89.70	-1,135.46	-9,701.36	1,015.33	644.18	371.15	2.736		
17,200.00	7,147.64	7,160.64	7,160.64	290.00	248.25	89.73	-1,135.46	-9,701.36	925.41	541.97	383.44	2.413		
17,300.00	7,147.88	7,160.88	7,160.88	292.83	248.26	89.77	-1,135.46	-9,701.36	837.77	439.65	398.12	2.104		
17,400.00	7,148.12	7,161.12	7,161.12	295.66	248.27	89.80	-1,135.46	-9,701.36	753.21	337.49	415.72	1.812		
17,500.00	7,148.36	7,161.36	7,161.36	298.50	248.28	89.83	-1,135.46	-9,701.36	672.91	236.13	436.78	1.541		
17,600.00	7,148.60	7,161.60	7,161.60	301.33	248.29	89.86	-1,135.46	-9,701.36	598.57	136.93	461.63	1.297 Level 3		
17,700.00	7,148.84	7,161.84	7,161.84	304.17	248.30	89.90	-1,135.46	-9,701.36	532.69	42.80	489.89	1.087 Level 2		
17,800.00	7,149.08	7,162.08	7,162.08	307.00	248.30	89.93	-1,135.46	-9,701.36	478.78	-40.67	519.45	0.922 Level 1		
17,900.00	7,149.32	7,162.32	7,162.32	309.84	248.31	89.96	-1,135.46	-9,701.36	441.26	-104.12	545.38	0.809 Level 1		
18,000.00	7,149.56	7,162.56	7,162.56	312.68	248.32	89.99	-1,135.46	-9,701.36	424.48	-135.92	560.40	0.757 Level 1		
18,022.62	7,149.61	7,162.61	7,162.61	313.32	248.32	90.00	-1,135.46	-9,701.36	423.88	-137.75	561.63	0.755 Level 1, CC, ES, SF		
18,100.00	7,149.80	7,162.80	7,162.80	315.51	248.33	90.03	-1,135.46	-9,701.36	430.88	-128.41	559.29	0.770 Level 1		
18,200.00	7,150.04	7,163.04	7,163.04	318.35	248.34	90.06	-1,135.46	-9,701.36	459.50	-84.02	543.51	0.845 Level 1		
18,300.00	7,150.28	7,163.28	7,163.28	321.19	248.35	90.09	-1,135.46	-9,701.36	506.57	-13.01	519.58	0.975 Level 1		
18,400.00	7,150.52	7,163.52	7,163.52	324.03	248.36	90.12	-1,135.46	-9,701.36	567.53	73.75	493.77	1.149 Level 2		
18,500.00	7,150.76	7,163.76	7,163.76	326.86	248.36	90.15	-1,135.46	-9,701.36	638.41	168.74	469.67	1.359 Level 3		
18,600.00	7,151.00	7,164.00	7,164.00	329.70	248.37	90.19	-1,135.46	-9,701.36	716.27	267.69	448.57	1.597		
18,700.00	7,151.24	7,164.24	7,164.24	332.54	248.38	90.22	-1,135.46	-9,701.36	799.07	368.45	430.62	1.856		
18,800.00	7,151.48	7,164.48	7,164.48	335.38	248.39	90.25	-1,135.46	-9,701.36	885.43	469.95	415.48	2.131		
18,900.00	7,151.72	7,164.72	7,164.72	338.22	248.40	90.28	-1,135.46	-9,701.36	974.40	571.67	402.73	2.419		
19,000.00	7,151.96	7,164.96	7,164.96	341.06	248.41	90.32	-1,135.46	-9,701.36	1,065.33	673.39	391.95	2.718		
19,018.30	7,152.00	7,165.00	7,165.00	341.58	248.41	90.32	-1,135.46	-9,701.36	1,082.15	691.99	390.16	2.774		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.85	23.85	3.28	3.28	-88.94	180.06	-9,700.85	9,702.52					
100.00	100.00	115.50	115.49	3.28	3.29	-88.94	180.24	-9,700.90	9,702.58	9,696.01	6.58	1,475.304		
200.00	200.00	206.68	206.68	3.34	3.35	-88.93	180.62	-9,701.04	9,702.74	9,696.05	6.68	1,451.425		
300.00	299.98	298.58	298.58	3.44	3.45	133.80	181.02	-9,701.25	9,704.19	9,697.30	6.89	1,408.677		
400.00	399.84	418.23	418.23	3.59	3.64	133.78	181.25	-9,701.45	9,707.98	9,700.75	7.23	1,342.460		
500.00	499.45	521.60	521.59	3.80	3.85	133.73	181.16	-9,701.50	9,714.07	9,706.42	7.64	1,270.805		
600.00	598.70	616.24	616.24	4.04	4.08	133.65	181.05	-9,701.58	9,722.60	9,714.48	8.11	1,198.106		
700.00	697.47	737.02	737.02	4.32	4.40	133.58	181.12	-9,701.56	9,733.44	9,724.72	8.72	1,115.648		
800.00	795.62	849.81	849.81	4.65	4.74	133.48	181.10	-9,701.28	9,746.46	9,737.09	9.38	1,039.215		
900.00	893.06	930.65	930.65	5.01	4.99	133.33	180.88	-9,701.08	9,761.88	9,751.89	9.99	977.483		
1,000.00	989.64	1,000.00	1,000.00	5.42	5.22	133.14	180.67	-9,701.14	9,780.00	9,769.40	10.60	922.765		
1,044.50	1,032.32	1,044.15	1,044.14	5.61	5.37	133.06	180.52	-9,701.24	9,788.89	9,777.96	10.93	895.655		
1,100.00	1,085.43	1,100.00	1,099.16	5.86	5.56	133.13	180.28	-9,701.28	9,800.20	9,788.84	11.35	863.399		
1,200.00	1,181.11	1,166.27	1,166.26	6.33	5.79	133.21	179.91	-9,701.41	9,820.75	9,808.74	12.01	817.701		
1,300.00	1,276.80	1,262.98	1,262.97	6.81	6.13	133.33	179.31	-9,701.94	9,841.65	9,828.85	12.80	768.797		
1,400.00	1,372.49	1,354.97	1,354.95	7.31	6.47	133.44	178.72	-9,702.28	9,862.42	9,848.82	13.60	725.368		
1,500.00	1,468.17	1,429.62	1,429.61	7.83	6.75	133.53	178.39	-9,702.71	9,883.43	9,869.08	14.34	689.101		
1,600.00	1,563.86	1,509.69	1,509.67	8.35	7.05	133.63	177.96	-9,703.32	9,904.65	9,889.53	15.12	654.998		
1,700.00	1,659.55	1,602.03	1,602.01	8.88	7.40	133.74	177.52	-9,704.10	9,926.00	9,910.04	15.96	621.937		
1,800.00	1,755.23	1,704.36	1,704.33	9.42	7.80	133.86	177.18	-9,704.94	9,947.38	9,930.53	16.85	590.414		
1,900.00	1,850.92	1,804.39	1,804.36	9.97	8.19	133.99	177.03	-9,705.70	9,968.74	9,951.00	17.74	562.033		
2,000.00	1,946.61	1,868.59	1,868.55	10.52	8.44	134.07	177.05	-9,706.27	9,990.28	9,971.79	18.49	540.385		
8,300.00	7,126.30	7,101.75	7,101.39	50.48	30.36	87.59	204.07	-9,739.64	9,905.87	9,839.84	66.02	150.036		
8,400.00	7,126.54	7,102.41	7,102.05	52.34	30.36	87.61	204.08	-9,739.64	9,807.48	9,741.40	66.08	148.408		
8,500.00	7,126.78	7,103.07	7,102.71	54.30	30.37	87.63	204.08	-9,739.65	9,709.13	9,642.97	66.16	146.757		
8,600.00	7,127.02	7,103.73	7,103.37	56.35	30.37	87.65	204.08	-9,739.65	9,610.82	9,544.57	66.24	145.084		
8,700.00	7,127.26	7,104.40	7,104.03	58.47	30.37	87.67	204.09	-9,739.65	9,512.54	9,446.19	66.34	143.388		
8,800.00	7,127.50	7,105.06	7,104.69	60.66	30.37	87.70	204.09	-9,739.65	9,414.29	9,347.84	66.45	141.670		
8,900.00	7,127.74	7,105.72	7,105.35	62.90	30.38	87.72	204.09	-9,739.66	9,316.08	9,249.51	66.58	139.929		
9,000.00	7,127.98	7,106.38	7,106.02	65.19	30.38	87.74	204.10	-9,739.66	9,217.91	9,151.20	66.72	138.165		
9,100.00	7,128.22	7,107.04	7,106.68	67.53	30.38	87.76	204.10	-9,739.66	9,119.78	9,052.91	66.87	136.379		
9,200.00	7,128.46	7,107.70	7,107.34	69.92	30.39	87.78	204.10	-9,739.66	9,021.70	8,954.65	67.04	134.569		
9,300.00	7,128.70	7,108.36	7,108.00	72.33	30.39	87.80	204.11	-9,739.67	8,923.65	8,856.42	67.23	132.737		
9,400.00	7,128.94	7,109.03	7,108.66	74.78	30.39	87.82	204.11	-9,739.67	8,825.65	8,758.22	67.43	130.882		
9,500.00	7,129.18	7,109.69	7,109.32	77.26	30.39	87.85	204.12	-9,739.67	8,727.69	8,660.04	67.65	129.005		
9,600.00	7,129.42	7,110.35	7,109.98	79.76	30.40	87.87	204.12	-9,739.68	8,629.78	8,561.89	67.89	127.105		
9,700.00	7,129.66	7,111.01	7,110.65	82.29	30.40	87.89	204.12	-9,739.68	8,531.92	8,463.76	68.15	125.184		
9,800.00	7,129.90	7,111.67	7,111.31	84.84	30.40	87.91	204.13	-9,739.68	8,434.11	8,365.67	68.44	123.242		
9,900.00	7,130.14	7,112.33	7,111.97	87.41	30.40	87.93	204.13	-9,739.68	8,336.35	8,267.61	68.74	121.279		
10,000.00	7,130.38	7,112.99	7,112.63	90.00	30.41	87.95	204.13	-9,739.69	8,238.64	8,169.58	69.06	119.296		
10,100.00	7,130.62	7,113.66	7,113.29	92.60	30.41	87.97	204.14	-9,739.69	8,140.99	8,071.58	69.41	117.293		
10,200.00	7,130.86	7,114.32	7,113.95	95.22	30.41	88.00	204.14	-9,739.69	8,043.40	7,973.62	69.78	115.272		
10,300.00	7,131.09	7,114.98	7,114.61	97.85	30.42	88.02	204.14	-9,739.70	7,945.87	7,875.69	70.17	113.233		
10,400.00	7,131.33	7,115.64	7,115.27	100.50	30.42	88.04	204.15	-9,739.70	7,848.40	7,777.80	70.59	111.178		
10,500.00	7,131.57	7,116.30	7,115.94	103.16	30.42	88.06	204.15	-9,739.70	7,750.99	7,679.95	71.04	109.106		
10,600.00	7,131.81	7,116.96	7,116.60	105.82	30.42	88.08	204.16	-9,739.70	7,653.65	7,582.13	71.52	107.020		
10,700.00	7,132.05	7,117.62	7,117.26	108.50	30.43	88.10	204.16	-9,739.71	7,556.38	7,484.36	72.02	104.921		
10,800.00	7,132.29	7,118.29	7,117.92	111.19	30.43	88.12	204.16	-9,739.71	7,459.18	7,386.63	72.55	102.810		
10,900.00	7,132.53	7,118.95	7,118.58	113.88	30.43	88.15	204.17	-9,739.71	7,362.06	7,288.94	73.12	100.687		
11,000.00	7,132.77	7,119.61	7,119.24	116.58	30.44	88.17	204.17	-9,739.72	7,265.01	7,191.30	73.72	98.555		
11,100.00	7,133.01	7,120.27	7,119.90	119.29	30.44	88.19	204.17	-9,739.72	7,168.05	7,093.70	74.35	96.416		
11,200.00	7,133.25	7,120.93	7,120.57	122.01	30.44	88.21	204.18	-9,739.72	7,071.17	6,996.16	75.01	94.270		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,300.00	7,133.49	7,121.59	7,121.23	124.73	30.44	88.23	204.18	-9,739.72	6,974.38	6,898.67	75.71	92.119		
11,400.00	7,133.73	7,122.25	7,121.89	127.46	30.45	88.25	204.19	-9,739.73	6,877.68	6,801.23	76.45	89.965		
11,500.00	7,133.97	7,122.92	7,122.55	130.19	30.45	88.27	204.19	-9,739.73	6,781.08	6,703.85	77.22	87.810		
11,600.00	7,134.21	7,123.58	7,123.21	132.93	30.45	88.30	204.19	-9,739.73	6,684.57	6,606.53	78.04	85.655		
11,700.00	7,134.45	7,124.24	7,123.87	135.68	30.46	88.32	204.20	-9,739.74	6,588.17	6,509.27	78.90	83.502		
11,800.00	7,134.69	7,124.90	7,124.53	138.43	30.46	88.34	204.20	-9,739.74	6,491.88	6,412.08	79.80	81.352		
11,900.00	7,134.93	7,125.56	7,125.20	141.18	30.46	88.36	204.20	-9,739.74	6,395.70	6,314.96	80.75	79.209		
12,000.00	7,135.17	7,126.22	7,125.86	143.94	30.46	88.38	204.21	-9,739.74	6,299.65	6,217.91	81.74	77.072		
12,100.00	7,135.41	7,126.88	7,126.52	146.70	30.47	88.40	204.21	-9,739.75	6,203.71	6,120.94	82.78	74.945		
12,200.00	7,135.65	7,127.55	7,127.18	149.46	30.47	88.43	204.21	-9,739.75	6,107.91	6,024.04	83.87	72.828		
12,300.00	7,135.89	7,128.21	7,127.84	152.23	30.47	88.45	204.22	-9,739.75	6,012.24	5,927.23	85.01	70.724		
12,400.00	7,136.13	7,128.87	7,128.50	155.00	30.48	88.47	204.22	-9,739.76	5,916.72	5,830.51	86.21	68.635		
12,500.00	7,136.37	7,129.53	7,129.16	157.78	30.48	88.49	204.23	-9,739.76	5,821.35	5,733.89	87.46	66.562		
12,600.00	7,136.61	7,130.19	7,129.83	160.55	30.48	88.51	204.23	-9,739.76	5,726.13	5,637.36	88.77	64.506		
12,700.00	7,136.85	7,130.85	7,130.49	163.33	30.48	88.53	204.23	-9,739.76	5,631.08	5,540.94	90.14	62.470		
12,800.00	7,137.09	7,131.51	7,131.15	166.12	30.49	88.55	204.24	-9,739.77	5,536.21	5,444.63	91.58	60.455		
12,900.00	7,137.33	7,132.18	7,131.81	168.90	30.49	88.58	204.24	-9,739.77	5,441.51	5,348.44	93.08	58.462		
13,000.00	7,137.57	7,132.84	7,132.47	171.69	30.49	88.60	204.24	-9,739.77	5,347.01	5,252.37	94.65	56.494		
13,100.00	7,137.81	7,133.50	7,133.13	174.48	30.50	88.62	204.25	-9,739.78	5,252.72	5,156.43	96.29	54.551		
13,200.00	7,138.05	7,134.16	7,133.79	177.27	30.50	88.64	204.25	-9,739.78	5,158.64	5,060.63	98.01	52.635		
13,300.00	7,138.29	7,134.82	7,134.46	180.07	30.50	88.66	204.25	-9,739.78	5,064.79	4,964.98	99.81	50.747		
13,400.00	7,138.53	7,135.48	7,135.12	182.86	30.50	88.68	204.26	-9,739.78	4,971.17	4,869.49	101.68	48.889		
13,500.00	7,138.77	7,136.14	7,135.78	185.66	30.51	88.70	204.26	-9,739.79	4,877.81	4,774.16	103.65	47.061		
13,600.00	7,139.01	7,136.81	7,136.44	188.46	30.51	88.73	204.27	-9,739.79	4,784.72	4,679.02	105.70	45.265		
13,700.00	7,139.25	7,137.47	7,137.10	191.26	30.51	88.75	204.27	-9,739.79	4,691.91	4,584.06	107.85	43.503		
13,800.00	7,139.49	7,138.13	7,137.76	194.06	30.51	88.77	204.27	-9,739.79	4,599.40	4,489.30	110.10	41.774		
13,900.00	7,139.73	7,138.79	7,138.42	196.87	30.52	88.79	204.28	-9,739.80	4,507.22	4,394.76	112.45	40.081		
14,000.00	7,139.97	7,139.45	7,139.09	199.68	30.52	88.81	204.28	-9,739.80	4,415.37	4,300.46	114.92	38.423		
14,100.00	7,140.21	7,140.11	7,139.75	202.48	30.52	88.83	204.28	-9,739.80	4,323.89	4,206.40	117.49	36.802		
14,200.00	7,140.45	7,140.77	7,140.41	205.29	30.53	88.85	204.29	-9,739.81	4,232.79	4,112.60	120.19	35.218		
14,300.00	7,140.69	7,141.44	7,141.07	208.10	30.53	88.88	204.29	-9,739.81	4,142.10	4,019.09	123.01	33.673		
14,400.00	7,140.93	7,142.10	7,141.73	210.91	30.53	88.90	204.29	-9,739.81	4,051.85	3,925.88	125.97	32.166		
14,500.00	7,141.17	7,142.76	7,142.39	213.73	30.53	88.92	204.30	-9,739.81	3,962.06	3,833.00	129.06	30.699		
14,600.00	7,141.41	7,143.42	7,143.05	216.54	30.54	88.94	204.30	-9,739.82	3,872.78	3,740.47	132.31	29.271		
14,700.00	7,141.65	7,144.08	7,143.71	219.36	30.54	88.96	204.31	-9,739.82	3,784.03	3,648.33	135.70	27.884		
14,800.00	7,141.89	7,144.74	7,144.38	222.17	30.54	88.98	204.31	-9,739.82	3,695.86	3,556.60	139.27	26.538		
14,900.00	7,142.13	7,145.40	7,145.04	224.99	30.55	89.01	204.31	-9,739.83	3,608.31	3,465.31	143.00	25.233		
15,000.00	7,142.36	7,146.07	7,145.70	227.81	30.55	89.03	204.32	-9,739.83	3,521.41	3,374.50	146.91	23.970		
15,100.00	7,142.60	7,146.73	7,146.36	230.63	30.55	89.05	204.32	-9,739.83	3,435.23	3,284.22	151.02	22.748		
15,200.00	7,142.84	7,147.39	7,147.02	233.45	30.55	89.07	204.32	-9,739.83	3,349.82	3,194.51	155.32	21.568		
15,300.00	7,143.08	7,148.05	7,147.68	236.27	30.56	89.09	204.33	-9,739.84	3,265.24	3,105.41	159.83	20.430		
15,400.00	7,143.32	7,148.71	7,148.34	239.09	30.56	89.11	204.33	-9,739.84	3,181.55	3,016.99	164.56	19.334		
15,500.00	7,143.56	7,149.37	7,149.01	241.91	30.56	89.13	204.33	-9,739.84	3,098.83	2,929.31	169.52	18.280		
15,600.00	7,143.80	7,150.03	7,149.67	244.73	30.57	89.16	204.34	-9,739.85	3,017.16	2,842.44	174.72	17.269		
15,700.00	7,144.04	7,150.69	7,150.33	247.56	30.57	89.18	204.34	-9,739.85	2,936.61	2,756.45	180.16	16.300		
15,800.00	7,144.28	7,151.36	7,150.99	250.38	30.57	89.20	204.35	-9,739.85	2,857.30	2,671.44	185.87	15.373		
15,900.00	7,144.52	7,152.02	7,151.65	253.21	30.57	89.22	204.35	-9,739.85	2,779.33	2,587.49	191.83	14.488		
16,000.00	7,144.76	7,152.68	7,152.31	256.03	30.58	89.24	204.35	-9,739.86	2,702.80	2,504.72	198.07	13.645		
16,100.00	7,145.00	7,153.34	7,152.97	258.86	30.58	89.26	204.36	-9,739.86	2,627.85	2,423.26	204.59	12.844		
16,200.00	7,145.24	7,154.00	7,153.64	261.69	30.58	89.28	204.36	-9,739.86	2,554.62	2,343.23	211.39	12.085		
16,300.00	7,145.48	7,154.66	7,154.30	264.52	30.59	89.31	204.36	-9,739.87	2,483.25	2,264.79	218.46	11.367		
16,400.00	7,145.72	7,155.32	7,154.96	267.35	30.59	89.33	204.37	-9,739.87	2,413.92	2,188.12	225.80	10.691		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,500.00	7,145.96	7,155.99	7,155.62	270.18	30.59	89.35	204.37	-9,739.87	2,346.80	2,113.40	233.40	10.055		
16,600.00	7,146.20	7,156.65	7,156.28	273.01	30.59	89.37	204.38	-9,739.87	2,282.09	2,040.85	241.24	9.460		
16,700.00	7,146.44	7,157.31	7,156.94	275.84	30.60	89.39	204.38	-9,739.88	2,220.00	1,970.69	249.31	8.905		
16,800.00	7,146.68	7,157.97	7,157.60	278.67	30.60	89.41	204.38	-9,739.88	2,160.76	1,903.21	257.55	8.390		
16,900.00	7,146.92	7,158.63	7,158.27	281.50	30.60	89.43	204.39	-9,739.88	2,104.60	1,838.67	265.93	7.914		
17,000.00	7,147.16	7,159.29	7,158.93	284.33	30.60	89.46	204.39	-9,739.89	2,051.78	1,777.39	274.39	7.478		
17,100.00	7,147.40	7,159.95	7,159.59	287.16	30.61	89.48	204.39	-9,739.89	2,002.56	1,719.70	282.86	7.080		
17,200.00	7,147.64	7,160.62	7,160.25	290.00	30.61	89.50	204.40	-9,739.89	1,957.22	1,665.96	291.26	6.720		
17,300.00	7,147.88	7,161.28	7,160.91	292.83	30.61	89.52	204.40	-9,739.89	1,916.03	1,616.54	299.49	6.398		
17,400.00	7,148.12	7,161.94	7,161.57	295.66	30.62	89.54	204.40	-9,739.90	1,879.27	1,571.82	307.45	6.112		
17,500.00	7,148.36	7,162.60	7,162.23	298.50	30.62	89.56	204.41	-9,739.90	1,847.19	1,532.17	315.02	5.864		
17,600.00	7,148.60	7,163.26	7,162.90	301.33	30.62	89.59	204.41	-9,739.90	1,820.04	1,497.96	322.09	5.651		
17,700.00	7,148.84	7,163.92	7,163.56	304.17	30.62	89.61	204.42	-9,739.91	1,798.06	1,469.54	328.52	5.473		
17,800.00	7,149.08	7,164.58	7,164.22	307.00	30.63	89.63	204.42	-9,739.91	1,781.43	1,447.20	334.22	5.330		
17,900.00	7,149.32	7,165.25	7,164.88	309.84	30.63	89.65	204.42	-9,739.91	1,770.29	1,431.20	339.09	5.221		
18,000.00	7,149.56	7,165.91	7,165.54	312.68	30.63	89.67	204.43	-9,739.91	1,764.76	1,421.73	343.04	5.145		
18,047.73	7,149.67	7,166.22	7,165.86	314.03	30.63	89.68	204.43	-9,739.91	1,764.12	1,419.54	344.58	5.120 CC		
18,100.00	7,149.80	7,166.57	7,166.20	315.51	30.64	89.69	204.43	-9,739.92	1,764.89	1,418.88	346.01	5.101 ES		
18,200.00	7,150.04	7,167.23	7,166.86	318.35	30.64	89.71	204.43	-9,739.92	1,770.68	1,422.69	347.99	5.088 SF		
18,300.00	7,150.28	7,167.89	7,167.53	321.19	30.64	89.74	204.44	-9,739.92	1,782.06	1,433.10	348.96	5.107		
18,400.00	7,150.52	7,168.55	7,168.19	324.03	30.64	89.76	204.44	-9,739.92	1,798.94	1,449.97	348.97	5.155		
18,500.00	7,150.76	7,169.21	7,168.85	326.86	30.65	89.78	204.44	-9,739.93	1,821.17	1,473.11	348.06	5.232		
18,600.00	7,151.00	7,169.88	7,169.51	329.70	30.65	89.80	204.45	-9,739.93	1,848.54	1,502.24	346.30	5.338		
18,700.00	7,151.24	7,170.54	7,170.17	332.54	30.65	89.82	204.45	-9,739.93	1,880.84	1,537.05	343.79	5.471		
18,800.00	7,151.48	7,171.20	7,170.83	335.38	30.66	89.84	204.46	-9,739.94	1,917.81	1,577.20	340.61	5.630		
18,900.00	7,151.72	7,171.86	7,171.49	338.22	30.66	89.86	204.46	-9,739.94	1,959.19	1,622.31	336.89	5.816		
19,000.00	7,151.96	7,172.52	7,172.16	341.06	30.66	89.89	204.46	-9,739.94	2,004.72	1,672.02	332.70	6.026		
19,018.30	7,152.00	7,172.64	7,172.28	341.58	30.66	89.89	204.46	-9,739.94	2,013.47	1,681.58	331.89	6.067		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	14.00	14.00	3.28	3.29	-97.57	-1,135.89	-8,542.75	8,617.94					
100.00	100.00	114.00	114.00	3.28	3.97	-97.57	-1,135.89	-8,542.75	8,617.94	8,610.68	7.25	1,188.132		
200.00	200.00	214.00	214.00	3.34	6.60	-97.57	-1,135.89	-8,542.75	8,617.94	8,608.00	9.94	867.408		
300.00	299.98	313.98	313.98	3.44	9.78	125.17	-1,135.89	-8,542.75	8,618.94	8,605.72	13.22	651.854		
400.00	399.84	413.84	413.84	3.59	13.12	125.15	-1,135.89	-8,542.75	8,621.96	8,605.25	16.71	515.968		
500.00	499.45	513.45	513.45	3.80	16.51	125.11	-1,135.89	-8,542.75	8,626.99	8,606.69	20.30	424.963		
600.00	598.70	612.70	612.70	4.04	19.92	125.06	-1,135.89	-8,542.75	8,634.03	8,610.08	23.95	360.461		
700.00	697.47	711.47	711.47	4.32	23.32	125.00	-1,135.89	-8,542.75	8,643.08	8,615.44	27.65	312.642		
800.00	795.62	809.62	809.62	4.65	26.72	124.92	-1,135.89	-8,542.75	8,654.15	8,622.79	31.36	275.922		
900.00	893.06	907.06	907.06	5.01	30.10	124.82	-1,135.89	-8,542.75	8,667.24	8,632.14	35.10	246.926		
1,000.00	989.64	1,003.64	1,003.64	5.42	33.45	124.71	-1,135.89	-8,542.75	8,682.34	8,643.50	38.85	223.507		
1,044.50	1,032.32	1,046.32	1,046.32	5.61	34.94	124.65	-1,135.89	-8,542.75	8,689.71	8,649.20	40.51	214.482		
1,100.00	1,085.43	1,100.57	1,099.43	5.86	36.82	124.74	-1,135.89	-8,542.75	8,699.17	8,656.53	42.64	204.028		
1,200.00	1,181.11	1,204.89	1,195.11	6.33	40.45	124.89	-1,135.89	-8,542.75	8,716.25	8,669.54	46.71	186.614		
1,300.00	1,276.80	1,309.20	1,290.80	6.81	44.08	125.04	-1,135.89	-8,542.75	8,733.39	8,682.59	50.80	171.928		
1,400.00	1,372.49	1,386.49	1,386.49	7.31	46.77	125.19	-1,135.89	-8,542.75	8,750.59	8,696.63	53.96	162.165		
1,500.00	1,468.17	1,482.17	1,482.17	7.83	50.10	125.34	-1,135.89	-8,542.75	8,767.86	8,710.08	57.78	151.751		
1,600.00	1,563.86	1,577.86	1,577.86	8.35	53.44	125.49	-1,135.89	-8,542.75	8,785.19	8,723.59	61.61	142.605		
1,700.00	1,659.55	1,673.55	1,673.55	8.88	56.77	125.64	-1,135.89	-8,542.75	8,802.58	8,737.14	65.44	134.513		
1,800.00	1,755.23	1,769.23	1,769.23	9.42	60.11	125.79	-1,135.89	-8,542.75	8,820.04	8,750.76	69.28	127.305		
1,900.00	1,850.92	1,864.92	1,864.92	9.97	63.44	125.94	-1,135.89	-8,542.75	8,837.55	8,764.42	73.13	120.846		
2,000.00	1,946.61	1,960.61	1,960.61	10.52	66.78	126.09	-1,135.89	-8,542.75	8,855.13	8,778.14	76.98	115.027		
2,100.00	2,042.29	2,056.29	2,056.29	11.07	70.12	126.24	-1,135.89	-8,542.75	8,872.76	8,791.92	80.84	109.757		
2,200.00	2,137.98	2,151.98	2,151.98	11.63	73.45	126.38	-1,135.89	-8,542.75	8,890.46	8,805.76	84.70	104.964		
2,300.00	2,233.67	2,247.67	2,247.67	12.19	76.79	126.53	-1,135.89	-8,542.75	8,908.21	8,819.65	88.56	100.586		
2,400.00	2,329.35	2,343.35	2,343.35	12.76	80.13	126.67	-1,135.89	-8,542.75	8,926.03	8,833.60	92.43	96.573		
2,500.00	2,425.04	2,439.04	2,439.04	13.32	83.47	126.82	-1,135.89	-8,542.75	8,943.90	8,847.61	96.30	92.880		
2,600.00	2,520.72	2,534.72	2,534.72	13.89	86.80	126.96	-1,135.89	-8,542.75	8,961.83	8,861.67	100.16	89.471		
2,700.00	2,616.41	2,630.41	2,630.41	14.46	90.14	127.11	-1,135.89	-8,542.75	8,979.82	8,875.79	104.04	86.315		
2,800.00	2,712.10	2,726.10	2,726.10	15.03	93.48	127.25	-1,135.89	-8,542.75	8,997.87	8,889.96	107.91	83.385		
2,900.00	2,807.78	2,821.78	2,821.78	15.60	96.82	127.39	-1,135.89	-8,542.75	9,015.98	8,904.20	111.78	80.658		
3,000.00	2,903.47	2,917.47	2,917.47	16.18	100.16	127.54	-1,135.89	-8,542.75	9,034.14	8,918.48	115.65	78.114		
3,100.00	2,999.16	3,013.16	3,013.16	16.75	103.50	127.68	-1,135.89	-8,542.75	9,052.36	8,932.83	119.53	75.734		
3,200.00	3,094.84	3,108.84	3,108.84	17.33	106.83	127.82	-1,135.89	-8,542.75	9,070.63	8,947.23	123.40	73.504		
3,300.00	3,190.53	3,204.53	3,204.53	17.90	110.17	127.96	-1,135.89	-8,542.75	9,088.97	8,961.69	127.28	71.409		
3,400.00	3,286.22	3,300.22	3,300.22	18.48	113.51	128.10	-1,135.89	-8,542.75	9,107.35	8,976.20	131.16	69.439		
3,500.00	3,381.90	3,404.10	3,395.90	19.06	117.14	128.24	-1,135.89	-8,542.75	9,125.80	8,990.48	135.32	67.439		
3,600.00	3,477.59	3,508.41	3,491.59	19.64	120.78	128.38	-1,135.89	-8,542.75	9,144.29	9,004.80	139.50	65.552		
3,700.00	3,573.28	3,587.28	3,587.28	20.22	123.53	128.52	-1,135.89	-8,542.75	9,162.85	9,020.06	142.79	64.171		
3,800.00	3,668.96	3,682.96	3,682.96	20.80	126.87	128.66	-1,135.89	-8,542.75	9,181.45	9,034.79	146.67	62.601		
3,900.00	3,764.65	3,778.65	3,778.65	21.38	130.21	128.79	-1,135.89	-8,542.75	9,200.12	9,049.57	150.54	61.113		
4,000.00	3,860.33	3,874.33	3,874.33	21.96	133.55	128.93	-1,135.89	-8,542.75	9,218.83	9,064.41	154.42	59.699		
4,100.00	3,956.02	3,970.02	3,970.02	22.54	136.89	129.07	-1,135.89	-8,542.75	9,237.60	9,079.30	158.30	58.355		
4,200.00	4,051.71	4,065.71	4,065.71	23.13	140.23	129.20	-1,135.89	-8,542.75	9,256.42	9,094.25	162.18	57.076		
4,300.00	4,147.39	4,161.39	4,161.39	23.71	143.57	129.34	-1,135.89	-8,542.75	9,275.30	9,109.24	166.05	55.857		
4,400.00	4,243.08	4,257.08	4,257.08	24.29	146.91	129.48	-1,135.89	-8,542.75	9,294.22	9,124.29	169.93	54.694		
4,500.00	4,338.77	4,352.77	4,352.77	24.88	150.25	129.61	-1,135.89	-8,542.75	9,313.20	9,139.39	173.81	53.583		
4,600.00	4,434.45	4,448.45	4,448.45	25.46	153.59	129.74	-1,135.89	-8,542.75	9,332.23	9,154.55	177.69	52.520		
4,700.00	4,530.14	4,544.14	4,544.14	26.04	156.93	129.88	-1,135.89	-8,542.75	9,351.32	9,169.75	181.57	51.504		
4,800.00	4,625.83	4,639.83	4,639.83	26.63	160.26	130.01	-1,135.89	-8,542.75	9,370.45	9,185.01	185.44	50.530		
4,900.00	4,721.51	4,735.51	4,735.51	27.21	163.60	130.14	-1,135.89	-8,542.75	9,389.64	9,200.32	189.32	49.596		
5,000.00	4,817.20	4,831.20	4,831.20	27.80	166.94	130.27	-1,135.89	-8,542.75	9,408.87	9,215.67	193.20	48.701		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,926.89	4,926.89	28.38	170.28	130.41	-1,135.89	-8,542.75	9,428.16	9,231.08	197.08	47.840		
5,200.00	5,008.57	5,022.57	5,022.57	28.97	173.62	130.54	-1,135.89	-8,542.75	9,447.49	9,246.54	200.95	47.014		
5,300.00	5,104.26	5,118.26	5,118.26	29.55	176.96	130.67	-1,135.89	-8,542.75	9,466.88	9,262.05	204.83	46.219		
5,400.00	5,199.94	5,213.94	5,213.94	30.14	180.30	130.80	-1,135.89	-8,542.75	9,486.31	9,277.61	208.71	45.453		
5,500.00	5,295.63	5,309.63	5,309.63	30.72	183.64	130.93	-1,135.89	-8,542.75	9,505.80	9,293.22	212.58	44.716		
5,600.00	5,391.32	5,405.32	5,405.32	31.31	186.98	131.05	-1,135.89	-8,542.75	9,525.33	9,308.87	216.46	44.006		
5,700.00	5,487.00	5,501.00	5,501.00	31.90	190.32	131.18	-1,135.89	-8,542.75	9,544.91	9,324.58	220.33	43.320		
5,800.00	5,582.69	5,603.31	5,596.69	32.48	193.89	131.31	-1,135.89	-8,542.75	9,564.54	9,340.10	224.44	42.615		
5,900.00	5,678.38	5,707.62	5,692.38	33.07	197.54	131.44	-1,135.89	-8,542.75	9,584.22	9,355.60	228.62	41.923		
6,000.00	5,774.06	5,788.06	5,788.06	33.65	200.34	131.57	-1,135.89	-8,542.75	9,603.94	9,371.98	231.96	41.403		
6,100.00	5,869.75	5,883.75	5,883.75	34.24	203.68	131.69	-1,135.89	-8,542.75	9,623.71	9,387.88	235.83	40.807		
6,200.00	5,965.44	5,979.44	5,979.44	34.83	207.02	131.82	-1,135.89	-8,542.75	9,643.53	9,403.82	239.71	40.230		
6,300.00	6,061.12	6,075.12	6,075.12	35.41	210.36	131.94	-1,135.89	-8,542.75	9,663.40	9,419.82	243.58	39.672		
6,400.00	6,156.81	6,170.81	6,170.81	36.00	213.70	132.07	-1,135.89	-8,542.75	9,683.31	9,435.85	247.46	39.131		
6,500.00	6,252.50	6,266.50	6,266.50	36.59	217.04	132.19	-1,135.89	-8,542.75	9,703.27	9,451.94	251.33	38.607		
6,600.00	6,348.18	6,362.18	6,362.18	37.18	220.38	132.32	-1,135.89	-8,542.75	9,723.27	9,468.07	255.21	38.100		
6,636.04	6,382.67	6,403.33	6,396.67	37.39	221.82	132.36	-1,135.89	-8,542.75	9,730.49	9,473.66	256.83	37.886		
6,650.00	6,396.05	6,410.05	6,410.05	37.47	222.05	129.09	-1,135.89	-8,542.75	9,733.14	9,476.00	257.14	37.851		
6,700.00	6,444.38	6,458.38	6,458.38	37.74	223.74	114.54	-1,135.89	-8,542.75	9,740.16	9,481.07	259.08	37.595		
6,750.00	6,493.07	6,507.07	6,507.07	37.98	225.44	95.95	-1,135.89	-8,542.75	9,743.28	9,482.26	261.02	37.328		
6,800.00	6,541.82	6,555.82	6,555.82	38.18	227.14	76.40	-1,135.89	-8,542.75	9,742.50	9,479.57	262.93	37.054		
6,850.00	6,590.35	6,604.35	6,604.35	38.35	228.84	59.91	-1,135.89	-8,542.75	9,737.80	9,473.00	264.80	36.774		
6,900.00	6,638.34	6,652.34	6,652.34	38.50	230.51	47.85	-1,135.89	-8,542.75	9,729.24	9,462.61	266.63	36.490		
6,950.00	6,685.50	6,700.50	6,699.50	38.64	232.19	39.42	-1,135.89	-8,542.75	9,716.85	9,448.42	268.43	36.199		
7,000.00	6,731.54	6,745.54	6,745.54	38.77	233.76	33.50	-1,135.89	-8,542.75	9,700.71	9,430.61	270.10	35.916		
7,050.00	6,776.18	6,809.82	6,790.18	38.90	236.01	29.26	-1,135.89	-8,542.75	9,680.92	9,408.51	272.41	35.538		
7,100.00	6,819.14	6,833.14	6,833.14	39.03	236.82	26.16	-1,135.89	-8,542.75	9,657.61	9,384.33	273.28	35.340		
7,150.00	6,860.16	6,874.16	6,874.16	39.16	238.25	23.86	-1,135.89	-8,542.75	9,630.91	9,356.17	274.74	35.054		
7,200.00	6,898.98	6,912.98	6,912.98	39.31	239.61	22.14	-1,135.89	-8,542.75	9,600.99	9,324.88	276.12	34.771		
7,250.00	6,935.36	6,949.36	6,949.36	39.47	240.88	20.87	-1,135.89	-8,542.75	9,568.04	9,290.65	277.39	34.493		
7,300.00	6,969.08	6,983.08	6,983.08	39.65	242.06	19.97	-1,135.89	-8,542.75	9,532.25	9,253.68	278.56	34.219		
7,350.00	6,999.94	7,013.94	7,013.94	39.85	243.13	19.39	-1,135.89	-8,542.75	9,493.84	9,214.22	279.63	33.952		
7,400.00	7,027.74	7,041.74	7,041.74	40.08	244.10	19.11	-1,135.89	-8,542.75	9,453.06	9,172.48	280.57	33.692		
7,450.00	7,052.31	7,066.31	7,066.31	40.34	244.96	19.14	-1,135.89	-8,542.75	9,410.14	9,128.73	281.40	33.440		
7,500.00	7,073.49	7,087.49	7,087.49	40.63	245.70	19.56	-1,135.89	-8,542.75	9,365.35	9,083.24	282.12	33.197		
7,550.00	7,091.17	7,105.17	7,105.17	40.95	246.32	20.51	-1,135.89	-8,542.75	9,318.98	9,036.27	282.70	32.964		
7,600.00	7,105.22	7,119.22	7,119.22	41.31	246.81	22.35	-1,135.89	-8,542.75	9,271.29	8,988.12	283.17	32.741		
7,650.00	7,115.57	7,129.57	7,129.57	41.71	247.17	26.04	-1,135.89	-8,542.75	9,222.59	8,939.08	283.51	32.531		
7,700.00	7,122.15	7,136.15	7,136.15	42.15	247.40	35.02	-1,135.89	-8,542.75	9,173.17	8,889.46	283.72	32.332		
7,750.00	7,124.91	7,138.91	7,138.91	42.62	247.50	70.66	-1,135.89	-8,542.75	9,123.34	8,839.54	283.80	32.147		
7,759.54	7,125.00	7,139.00	7,139.00	42.72	247.50	86.97	-1,135.89	-8,542.75	9,113.81	8,830.01	283.81	32.113		
7,800.00	7,125.10	7,139.10	7,139.10	43.13	247.50	86.98	-1,135.89	-8,542.75	9,073.40	8,789.59	283.81	31.970		
7,900.00	7,125.34	7,139.34	7,139.34	44.28	247.51	87.01	-1,135.89	-8,542.75	8,973.50	8,689.69	283.81	31.618		
8,000.00	7,125.58	7,139.58	7,139.58	45.61	247.52	87.05	-1,135.89	-8,542.75	8,873.61	8,589.80	283.81	31.266		
8,100.00	7,125.82	7,139.82	7,139.82	47.10	247.53	87.08	-1,135.89	-8,542.75	8,773.72	8,489.91	283.81	30.914		
8,200.00	7,126.06	7,140.06	7,140.06	48.72	247.54	87.11	-1,135.89	-8,542.75	8,673.83	8,390.01	283.81	30.562		
8,300.00	7,126.30	7,140.30	7,140.30	50.48	247.54	87.15	-1,135.89	-8,542.75	8,573.94	8,290.12	283.82	30.209		
8,400.00	7,126.54	7,140.54	7,140.54	52.34	247.55	87.18	-1,135.89	-8,542.75	8,474.06	8,190.23	283.83	29.856		
8,500.00	7,126.78	7,140.78	7,140.78	54.30	247.56	87.21	-1,135.89	-8,542.75	8,374.18	8,090.34	283.84	29.504		
8,600.00	7,127.02	7,141.02	7,141.02	56.35	247.57	87.25	-1,135.89	-8,542.75	8,274.30	7,990.46	283.85	29.151		
8,700.00	7,127.26	7,141.26	7,141.26	58.47	247.58	87.28	-1,135.89	-8,542.75	8,174.43	7,890.57	283.86	28.798		
8,800.00	7,127.50	7,141.50	7,141.50	60.66	247.59	87.31	-1,135.89	-8,542.75	8,074.56	7,790.68	283.87	28.444		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,141.74	7,141.74	62.90	247.59	87.35	-1,135.89	-8,542.75	7,974.69	7,690.80	283.89	28.091		
9,000.00	7,127.98	7,141.98	7,141.98	65.19	247.60	87.38	-1,135.89	-8,542.75	7,874.82	7,590.92	283.91	27.737		
9,100.00	7,128.22	7,142.22	7,142.22	67.53	247.61	87.41	-1,135.89	-8,542.75	7,774.96	7,491.04	283.93	27.384		
9,200.00	7,128.46	7,142.46	7,142.46	69.92	247.62	87.45	-1,135.89	-8,542.75	7,675.11	7,391.16	283.95	27.030		
9,300.00	7,128.70	7,142.70	7,142.70	72.33	247.63	87.48	-1,135.89	-8,542.75	7,575.25	7,291.28	283.97	26.676		
9,400.00	7,128.94	7,142.94	7,142.94	74.78	247.64	87.51	-1,135.89	-8,542.75	7,475.40	7,191.41	284.00	26.322		
9,500.00	7,129.18	7,143.18	7,143.18	77.26	247.65	87.54	-1,135.89	-8,542.75	7,375.56	7,091.53	284.02	25.968		
9,600.00	7,129.42	7,143.42	7,143.42	79.76	247.65	87.58	-1,135.89	-8,542.75	7,275.71	6,991.66	284.05	25.614		
9,700.00	7,129.66	7,143.66	7,143.66	82.29	247.66	87.61	-1,135.89	-8,542.75	7,175.88	6,891.79	284.09	25.259		
9,800.00	7,129.90	7,143.90	7,143.90	84.84	247.67	87.64	-1,135.89	-8,542.75	7,076.04	6,791.92	284.12	24.905		
9,900.00	7,130.14	7,144.14	7,144.14	87.41	247.68	87.68	-1,135.89	-8,542.75	6,976.22	6,692.06	284.16	24.550		
10,000.00	7,130.38	7,144.38	7,144.38	90.00	247.69	87.71	-1,135.89	-8,542.75	6,876.39	6,592.19	284.20	24.196		
10,100.00	7,130.62	7,144.62	7,144.62	92.60	247.70	87.74	-1,135.89	-8,542.75	6,776.58	6,492.33	284.24	23.841		
10,200.00	7,130.86	7,144.86	7,144.86	95.22	247.70	87.78	-1,135.89	-8,542.75	6,676.76	6,392.47	284.29	23.486		
10,300.00	7,131.09	7,145.09	7,145.09	97.85	247.71	87.81	-1,135.89	-8,542.75	6,576.96	6,292.62	284.34	23.130		
10,400.00	7,131.33	7,145.33	7,145.33	100.50	247.72	87.84	-1,135.89	-8,542.75	6,477.16	6,192.76	284.40	22.775		
10,500.00	7,131.57	7,145.57	7,145.57	103.16	247.73	87.88	-1,135.89	-8,542.75	6,377.36	6,092.91	284.45	22.420		
10,600.00	7,131.81	7,145.81	7,145.81	105.82	247.74	87.91	-1,135.89	-8,542.75	6,277.58	5,993.06	284.51	22.064		
10,700.00	7,132.05	7,146.05	7,146.05	108.50	247.75	87.94	-1,135.89	-8,542.75	6,177.80	5,893.22	284.58	21.709		
10,800.00	7,132.29	7,146.29	7,146.29	111.19	247.75	87.98	-1,135.89	-8,542.75	6,078.02	5,793.37	284.65	21.353		
10,900.00	7,132.53	7,146.53	7,146.53	113.88	247.76	88.01	-1,135.89	-8,542.75	5,978.26	5,693.53	284.72	20.997		
11,000.00	7,132.77	7,146.77	7,146.77	116.58	247.77	88.04	-1,135.89	-8,542.75	5,878.50	5,593.70	284.80	20.641		
11,100.00	7,133.01	7,147.01	7,147.01	119.29	247.78	88.08	-1,135.89	-8,542.75	5,778.75	5,493.86	284.89	20.284		
11,200.00	7,133.25	7,147.25	7,147.25	122.01	247.79	88.11	-1,135.89	-8,542.75	5,679.01	5,394.03	284.98	19.928		
11,300.00	7,133.49	7,147.49	7,147.49	124.73	247.80	88.14	-1,135.89	-8,542.75	5,579.28	5,294.20	285.07	19.571		
11,400.00	7,133.73	7,147.73	7,147.73	127.46	247.80	88.18	-1,135.89	-8,542.75	5,479.55	5,194.38	285.18	19.215		
11,500.00	7,133.97	7,147.97	7,147.97	130.19	247.81	88.21	-1,135.89	-8,542.75	5,379.84	5,094.56	285.28	18.858		
11,600.00	7,134.21	7,148.21	7,148.21	132.93	247.82	88.24	-1,135.89	-8,542.75	5,280.14	4,994.74	285.40	18.501		
11,700.00	7,134.45	7,148.45	7,148.45	135.68	247.83	88.28	-1,135.89	-8,542.75	5,180.45	4,894.92	285.53	18.143		
11,800.00	7,134.69	7,148.69	7,148.69	138.43	247.84	88.31	-1,135.89	-8,542.75	5,080.77	4,795.11	285.66	17.786		
11,900.00	7,134.93	7,148.93	7,148.93	141.18	247.85	88.34	-1,135.89	-8,542.75	4,981.11	4,695.31	285.80	17.428		
12,000.00	7,135.17	7,149.17	7,149.17	143.94	247.85	88.38	-1,135.89	-8,542.75	4,881.46	4,595.50	285.96	17.071		
12,100.00	7,135.41	7,149.41	7,149.41	146.70	247.86	88.41	-1,135.89	-8,542.75	4,781.82	4,495.70	286.12	16.713		
12,200.00	7,135.65	7,149.65	7,149.65	149.46	247.87	88.44	-1,135.89	-8,542.75	4,682.20	4,395.91	286.30	16.354		
12,300.00	7,135.89	7,149.89	7,149.89	152.23	247.88	88.48	-1,135.89	-8,542.75	4,582.60	4,296.11	286.49	15.996		
12,400.00	7,136.13	7,150.13	7,150.13	155.00	247.89	88.51	-1,135.89	-8,542.75	4,483.01	4,196.33	286.69	15.637		
12,500.00	7,136.37	7,150.37	7,150.37	157.78	247.90	88.54	-1,135.89	-8,542.75	4,383.45	4,096.54	286.91	15.278		
12,600.00	7,136.61	7,150.61	7,150.61	160.55	247.90	88.58	-1,135.89	-8,542.75	4,283.90	3,996.76	287.14	14.919		
12,700.00	7,136.85	7,150.85	7,150.85	163.33	247.91	88.61	-1,135.89	-8,542.75	4,184.37	3,896.98	287.40	14.560		
12,800.00	7,137.09	7,151.09	7,151.09	166.12	247.92	88.64	-1,135.89	-8,542.75	4,084.87	3,797.20	287.67	14.200		
12,900.00	7,137.33	7,151.33	7,151.33	168.90	247.93	88.68	-1,135.89	-8,542.75	3,985.40	3,697.43	287.96	13.840		
13,000.00	7,137.57	7,151.57	7,151.57	171.69	247.94	88.71	-1,135.89	-8,542.75	3,885.94	3,597.66	288.28	13.480		
13,100.00	7,137.81	7,151.81	7,151.81	174.48	247.95	88.74	-1,135.89	-8,542.75	3,786.52	3,497.89	288.63	13.119		
13,200.00	7,138.05	7,152.05	7,152.05	177.27	247.95	88.78	-1,135.89	-8,542.75	3,687.13	3,398.12	289.01	12.758		
13,300.00	7,138.29	7,152.29	7,152.29	180.07	247.96	88.81	-1,135.89	-8,542.75	3,587.78	3,298.36	289.42	12.397		
13,400.00	7,138.53	7,152.53	7,152.53	182.86	247.97	88.84	-1,135.89	-8,542.75	3,488.46	3,198.59	289.86	12.035		
13,500.00	7,138.77	7,152.77	7,152.77	185.66	247.98	88.88	-1,135.89	-8,542.75	3,389.18	3,098.83	290.35	11.673		
13,600.00	7,139.01	7,153.01	7,153.01	188.46	247.99	88.91	-1,135.89	-8,542.75	3,289.94	2,999.06	290.88	11.310		
13,700.00	7,139.25	7,153.25	7,153.25	191.26	248.00	88.94	-1,135.89	-8,542.75	3,190.75	2,899.30	291.46	10.948		
13,800.00	7,139.49	7,153.49	7,153.49	194.06	248.00	88.98	-1,135.89	-8,542.75	3,091.62	2,799.52	292.09	10.584		
13,900.00	7,139.73	7,153.73	7,153.73	196.87	248.01	89.01	-1,135.89	-8,542.75	2,992.54	2,699.75	292.79	10.221		
14,000.00	7,139.97	7,153.97	7,153.97	199.68	248.02	89.04	-1,135.89	-8,542.75	2,893.52	2,599.97	293.56	9.857		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
14,100.00	7,140.21	7,154.21	7,154.21	202.48	248.03	89.08	-1,135.89	-8,542.75	2,794.58	2,500.17	294.40	9.492				
14,200.00	7,140.45	7,154.45	7,154.45	205.29	248.04	89.11	-1,135.89	-8,542.75	2,695.71	2,400.37	295.34	9.128				
14,300.00	7,140.69	7,154.69	7,154.69	208.10	248.05	89.14	-1,135.89	-8,542.75	2,596.93	2,300.56	296.37	8.762				
14,400.00	7,140.93	7,154.93	7,154.93	210.91	248.06	89.18	-1,135.89	-8,542.75	2,498.24	2,200.72	297.52	8.397				
14,500.00	7,141.17	7,155.17	7,155.17	213.73	248.06	89.21	-1,135.89	-8,542.75	2,399.67	2,100.87	298.80	8.031				
14,600.00	7,141.41	7,155.41	7,155.41	216.54	248.07	89.24	-1,135.89	-8,542.75	2,301.22	2,001.00	300.22	7.665				
14,700.00	7,141.65	7,155.65	7,155.65	219.36	248.08	89.28	-1,135.89	-8,542.75	2,202.90	1,901.09	301.81	7.299				
14,800.00	7,141.89	7,155.89	7,155.89	222.17	248.09	89.31	-1,135.89	-8,542.75	2,104.75	1,801.15	303.60	6.933				
14,900.00	7,142.13	7,156.13	7,156.13	224.99	248.10	89.34	-1,135.89	-8,542.75	2,006.78	1,701.17	305.61	6.566				
15,000.00	7,142.36	7,156.36	7,156.36	227.81	248.11	89.38	-1,135.89	-8,542.75	1,909.02	1,601.13	307.88	6.200				
15,100.00	7,142.60	7,156.60	7,156.60	230.63	248.11	89.41	-1,135.89	-8,542.75	1,811.50	1,501.05	310.46	5.835				
15,200.00	7,142.84	7,156.84	7,156.84	233.45	248.12	89.44	-1,135.89	-8,542.75	1,714.27	1,400.89	313.38	5.470				
15,300.00	7,143.08	7,157.08	7,157.08	236.27	248.13	89.48	-1,135.89	-8,542.75	1,617.38	1,300.65	316.73	5.106				
15,400.00	7,143.32	7,157.32	7,157.32	239.09	248.14	89.51	-1,135.89	-8,542.75	1,520.89	1,200.32	320.57	4.744				
15,500.00	7,143.56	7,157.56	7,157.56	241.91	248.15	89.54	-1,135.89	-8,542.75	1,424.88	1,099.88	325.00	4.384				
15,600.00	7,143.80	7,157.80	7,157.80	244.73	248.16	89.58	-1,135.89	-8,542.75	1,329.47	999.33	330.14	4.027				
15,700.00	7,144.04	7,158.04	7,158.04	247.56	248.16	89.61	-1,135.89	-8,542.75	1,234.77	898.64	336.14	3.673				
15,800.00	7,144.28	7,158.28	7,158.28	250.38	248.17	89.65	-1,135.89	-8,542.75	1,140.99	797.80	343.19	3.325				
15,900.00	7,144.52	7,158.52	7,158.52	253.21	248.18	89.68	-1,135.89	-8,542.75	1,048.35	696.82	351.53	2.982				
16,000.00	7,144.76	7,158.76	7,158.76	256.03	248.19	89.71	-1,135.89	-8,542.75	957.20	595.73	361.47	2.648				
16,100.00	7,145.00	7,159.00	7,159.00	258.86	248.20	89.75	-1,135.89	-8,542.75	868.00	494.60	373.39	2.325				
16,200.00	7,145.24	7,159.24	7,159.24	261.69	248.21	89.78	-1,135.89	-8,542.75	781.41	393.63	387.78	2.015				
16,300.00	7,145.48	7,159.48	7,159.48	264.52	248.21	89.81	-1,135.89	-8,542.75	698.42	293.27	405.15	1.724				
16,400.00	7,145.72	7,159.72	7,159.72	267.35	248.22	89.85	-1,135.89	-8,542.75	620.47	194.46	426.01	1.456	Level 3			
16,500.00	7,145.96	7,159.96	7,159.96	270.18	248.23	89.88	-1,135.89	-8,542.75	549.69	99.24	450.45	1.220	Level 2			
16,600.00	7,146.20	7,160.20	7,160.20	273.01	248.24	89.91	-1,135.89	-8,542.75	489.23	11.73	477.50	1.025	Level 2			
16,700.00	7,146.44	7,160.44	7,160.44	275.84	248.25	89.95	-1,135.89	-8,542.75	443.32	-60.52	503.84	0.880	Level 1			
16,800.00	7,146.68	7,160.68	7,160.68	278.67	248.26	89.98	-1,135.89	-8,542.75	416.80	-106.42	523.22	0.797	Level 1			
16,864.07	7,146.83	7,160.83	7,160.83	280.48	248.26	90.00	-1,135.89	-8,542.75	411.85	-116.88	528.73	0.779	Level 1, CC, ES, SF			
16,900.00	7,146.92	7,160.92	7,160.92	281.50	248.26	90.01	-1,135.89	-8,542.75	413.41	-115.54	528.96	0.782	Level 1			
17,000.00	7,147.16	7,161.16	7,161.16	284.33	248.27	90.05	-1,135.89	-8,542.75	433.70	-85.76	519.46	0.835	Level 1			
17,100.00	7,147.40	7,161.40	7,161.40	287.16	248.28	90.08	-1,135.89	-8,542.75	474.64	-25.04	499.67	0.950	Level 1			
17,200.00	7,147.64	7,161.64	7,161.64	290.00	248.29	90.11	-1,135.89	-8,542.75	531.48	55.22	476.26	1.116	Level 2			
17,300.00	7,147.88	7,161.88	7,161.88	292.83	248.30	90.15	-1,135.89	-8,542.75	599.71	146.11	453.60	1.322	Level 3			
17,400.00	7,148.12	7,162.12	7,162.12	295.66	248.31	90.18	-1,135.89	-8,542.75	675.90	242.35	433.55	1.559				
17,500.00	7,148.36	7,162.36	7,162.36	298.50	248.31	90.21	-1,135.89	-8,542.75	757.64	341.16	416.48	1.819				
17,600.00	7,148.60	7,162.60	7,162.60	301.33	248.32	90.25	-1,135.89	-8,542.75	843.33	441.18	402.15	2.097				
17,700.00	7,148.84	7,162.84	7,162.84	304.17	248.33	90.28	-1,135.89	-8,542.75	931.88	541.73	390.14	2.389				
17,800.00	7,149.08	7,163.08	7,163.08	307.00	248.34	90.31	-1,135.89	-8,542.75	1,022.54	642.48	380.05	2.691				
17,900.00	7,149.32	7,163.32	7,163.32	309.84	248.35	90.35	-1,135.89	-8,542.75	1,114.79	743.27	371.52	3.001				
18,000.00	7,149.56	7,163.56	7,163.56	312.68	248.36	90.38	-1,135.89	-8,542.75	1,208.28	844.03	364.25	3.317				
18,100.00	7,149.80	7,163.80	7,163.80	315.51	248.36	90.41	-1,135.89	-8,542.75	1,302.74	944.72	358.02	3.639				
18,200.00	7,150.04	7,164.04	7,164.04	318.35	248.37	90.45	-1,135.89	-8,542.75	1,397.97	1,045.32	352.64	3.964				
18,300.00	7,150.28	7,164.28	7,164.28	321.19	248.38	90.48	-1,135.89	-8,542.75	1,493.82	1,145.85	347.97	4.293				
18,400.00	7,150.52	7,164.52	7,164.52	324.03	248.39	90.51	-1,135.89	-8,542.75	1,590.18	1,246.31	343.88	4.624				
18,500.00	7,150.76	7,164.76	7,164.76	326.86	248.40	90.55	-1,135.89	-8,542.75	1,686.97	1,346.69	340.28	4.958				
18,600.00	7,151.00	7,165.00	7,165.00	329.70	248.41	90.58	-1,135.89	-8,542.75	1,784.11	1,447.02	337.10	5.293				
18,700.00	7,151.24	7,165.24	7,165.24	332.54	248.42	90.61	-1,135.89	-8,542.75	1,881.55	1,547.28	334.27	5.629				
18,800.00	7,151.48	7,165.48	7,165.48	335.38	248.42	90.65	-1,135.89	-8,542.75	1,979.25	1,647.50	331.74	5.966				
18,900.00	7,151.72	7,165.72	7,165.72	338.22	248.43	90.68	-1,135.89	-8,542.75	2,077.16	1,747.68	329.48	6.304				
19,000.00	7,151.96	7,165.96	7,165.96	341.06	248.44	90.71	-1,135.89	-8,542.75	2,175.27	1,847.82	327.45	6.643				
19,018.30	7,152.00	7,166.00	7,166.00	341.58	248.44	90.72	-1,135.89	-8,542.75	2,193.24	1,866.14	327.10	6.705				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	26.00	26.00	3.28	3.31	-79.49	1,563.94	-8,426.41	8,570.32					
100.00	100.00	126.00	126.00	3.28	4.22	-79.49	1,563.94	-8,426.41	8,570.32	8,562.81	7.50	1,142.188		
200.00	200.00	226.00	226.00	3.34	6.96	-79.49	1,563.94	-8,426.41	8,570.32	8,560.02	10.30	831.917		
300.00	299.98	325.98	325.98	3.44	10.18	143.25	1,563.94	-8,426.41	8,571.72	8,558.10	13.62	629.440		
400.00	399.84	425.84	425.84	3.59	13.52	143.23	1,563.94	-8,426.41	8,575.91	8,558.79	17.12	501.009		
500.00	499.45	525.45	525.45	3.80	16.92	143.18	1,563.94	-8,426.41	8,582.90	8,562.19	20.71	414.373		
600.00	598.70	624.70	624.70	4.04	20.33	143.11	1,563.94	-8,426.41	8,592.68	8,568.31	24.37	352.632		
700.00	697.47	723.47	723.47	4.32	23.74	143.02	1,563.94	-8,426.41	8,605.24	8,577.18	28.06	306.683		
800.00	795.62	821.62	821.62	4.65	27.14	142.91	1,563.94	-8,426.41	8,620.57	8,588.79	31.77	271.309		
900.00	893.06	919.06	919.06	5.01	30.52	142.77	1,563.94	-8,426.41	8,638.66	8,603.16	35.50	243.332		
1,000.00	989.64	1,015.64	1,015.64	5.42	33.87	142.62	1,563.94	-8,426.41	8,659.51	8,620.28	39.23	220.718		
1,044.50	1,032.32	1,058.32	1,058.32	5.61	35.35	142.54	1,563.94	-8,426.41	8,669.67	8,628.77	40.90	211.996		
1,100.00	1,085.43	1,111.43	1,111.43	5.86	37.20	142.60	1,563.94	-8,426.41	8,682.67	8,639.71	42.97	202.084		
1,200.00	1,181.11	1,207.11	1,207.11	6.33	40.53	142.72	1,563.94	-8,426.41	8,706.14	8,659.43	46.71	186.390		
1,300.00	1,276.80	1,302.80	1,302.80	6.81	43.86	142.83	1,563.94	-8,426.41	8,729.64	8,679.17	50.47	172.965		
1,400.00	1,372.49	1,401.51	1,398.49	7.31	47.30	142.95	1,563.94	-8,426.41	8,753.18	8,698.82	54.35	161.046		
1,500.00	1,468.17	1,505.83	1,494.17	7.83	50.93	143.06	1,563.94	-8,426.41	8,776.74	8,718.30	58.44	150.183		
1,600.00	1,563.86	1,589.86	1,589.86	8.35	53.86	143.17	1,563.94	-8,426.41	8,800.34	8,738.51	61.83	142.328		
1,700.00	1,659.55	1,685.55	1,685.55	8.88	57.19	143.28	1,563.94	-8,426.41	8,823.97	8,758.34	65.64	134.436		
1,800.00	1,755.23	1,781.23	1,781.23	9.42	60.53	143.39	1,563.94	-8,426.41	8,847.64	8,778.19	69.45	127.398		
1,900.00	1,850.92	1,876.92	1,876.92	9.97	63.86	143.50	1,563.94	-8,426.41	8,871.33	8,798.07	73.27	121.084		
2,000.00	1,946.61	1,972.61	1,972.61	10.52	67.20	143.61	1,563.94	-8,426.41	8,895.06	8,817.97	77.09	115.388		
2,100.00	2,042.29	2,068.29	2,068.29	11.07	70.54	143.72	1,563.94	-8,426.41	8,918.82	8,837.91	80.91	110.225		
2,200.00	2,137.98	2,163.98	2,163.98	11.63	73.87	143.83	1,563.94	-8,426.41	8,942.61	8,857.87	84.74	105.525		
2,300.00	2,233.67	2,259.67	2,259.67	12.19	77.21	143.94	1,563.94	-8,426.41	8,966.43	8,877.86	88.58	101.228		
2,400.00	2,329.35	2,355.35	2,355.35	12.76	80.55	144.04	1,563.94	-8,426.41	8,990.29	8,897.88	92.41	97.285		
2,500.00	2,425.04	2,451.04	2,451.04	13.32	83.88	144.15	1,563.94	-8,426.41	9,014.17	8,917.92	96.25	93.655		
2,600.00	2,520.72	2,546.72	2,546.72	13.89	87.22	144.26	1,563.94	-8,426.41	9,038.08	8,938.00	100.09	90.302		
2,700.00	2,616.41	2,642.41	2,642.41	14.46	90.56	144.36	1,563.94	-8,426.41	9,062.03	8,958.10	103.93	87.195		
2,800.00	2,712.10	2,738.10	2,738.10	15.03	93.90	144.47	1,563.94	-8,426.41	9,086.00	8,978.23	107.77	84.309		
2,900.00	2,807.78	2,833.78	2,833.78	15.60	97.24	144.57	1,563.94	-8,426.41	9,110.00	8,998.39	111.61	81.621		
3,000.00	2,903.47	2,929.47	2,929.47	16.18	100.58	144.68	1,563.94	-8,426.41	9,134.04	9,018.58	115.46	79.112		
3,100.00	2,999.16	3,025.16	3,025.16	16.75	103.91	144.78	1,563.94	-8,426.41	9,158.10	9,038.80	119.30	76.764		
3,200.00	3,094.84	3,120.84	3,120.84	17.33	107.25	144.88	1,563.94	-8,426.41	9,182.19	9,059.04	123.15	74.562		
3,300.00	3,190.53	3,216.53	3,216.53	17.90	110.59	144.99	1,563.94	-8,426.41	9,206.31	9,079.31	126.99	72.494		
3,400.00	3,286.22	3,312.22	3,312.22	18.48	113.93	145.09	1,563.94	-8,426.41	9,230.45	9,099.61	130.84	70.547		
3,500.00	3,381.90	3,407.90	3,407.90	19.06	117.27	145.19	1,563.94	-8,426.41	9,254.63	9,119.94	134.69	68.711		
3,600.00	3,477.59	3,503.59	3,503.59	19.64	120.61	145.29	1,563.94	-8,426.41	9,278.83	9,140.30	138.54	66.977		
3,700.00	3,573.28	3,600.72	3,599.28	20.22	124.00	145.39	1,563.94	-8,426.41	9,303.06	9,160.63	142.44	65.313		
3,800.00	3,668.96	3,705.04	3,694.96	20.80	127.64	145.49	1,563.94	-8,426.41	9,327.32	9,180.74	146.59	63.630		
3,900.00	3,764.65	3,809.35	3,790.65	21.38	131.28	145.59	1,563.94	-8,426.41	9,351.61	9,200.87	150.74	62.039		
4,000.00	3,860.33	3,886.33	3,886.33	21.96	133.97	145.69	1,563.94	-8,426.41	9,375.92	9,221.99	153.93	60.909		
4,100.00	3,956.02	3,982.02	3,982.02	22.54	137.31	145.79	1,563.94	-8,426.41	9,400.26	9,242.48	157.78	59.577		
4,200.00	4,051.71	4,077.71	4,077.71	23.13	140.65	145.89	1,563.94	-8,426.41	9,424.63	9,263.00	161.63	58.308		
4,300.00	4,147.39	4,173.39	4,173.39	23.71	143.99	145.98	1,563.94	-8,426.41	9,449.02	9,283.54	165.48	57.099		
4,400.00	4,243.08	4,269.08	4,269.08	24.29	147.32	146.08	1,563.94	-8,426.41	9,473.44	9,304.11	169.33	55.945		
4,500.00	4,338.77	4,364.77	4,364.77	24.88	150.66	146.18	1,563.94	-8,426.41	9,497.89	9,324.70	173.18	54.843		
4,600.00	4,434.45	4,460.45	4,460.45	25.46	154.00	146.27	1,563.94	-8,426.41	9,522.36	9,345.33	177.03	53.788		
4,700.00	4,530.14	4,556.14	4,556.14	26.04	157.34	146.37	1,563.94	-8,426.41	9,546.86	9,365.97	180.89	52.778		
4,800.00	4,625.83	4,651.83	4,651.83	26.63	160.68	146.46	1,563.94	-8,426.41	9,571.38	9,386.64	184.74	51.811		
4,900.00	4,721.51	4,747.51	4,747.51	27.21	164.02	146.56	1,563.94	-8,426.41	9,595.93	9,407.34	188.59	50.883		
5,000.00	4,817.20	4,843.20	4,843.20	27.80	167.36	146.65	1,563.94	-8,426.41	9,620.50	9,428.07	192.44	49.993		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,938.89	4,938.89	28.38	170.70	146.75	1,563.94	-8,426.41	9,645.10	9,448.81	196.29	49.138		
5,200.00	5,008.57	5,034.57	5,034.57	28.97	174.04	146.84	1,563.94	-8,426.41	9,669.72	9,469.59	200.14	48.315		
5,300.00	5,104.26	5,130.26	5,130.26	29.55	177.38	146.93	1,563.94	-8,426.41	9,694.37	9,490.38	203.99	47.524		
5,400.00	5,199.94	5,225.94	5,225.94	30.14	180.72	147.03	1,563.94	-8,426.41	9,719.04	9,511.20	207.84	46.762		
5,500.00	5,295.63	5,321.63	5,321.63	30.72	184.06	147.12	1,563.94	-8,426.41	9,743.74	9,532.05	211.69	46.029		
5,600.00	5,391.32	5,417.32	5,417.32	31.31	187.40	147.21	1,563.94	-8,426.41	9,768.46	9,552.92	215.54	45.321		
5,700.00	5,487.00	5,513.00	5,513.00	31.90	190.74	147.30	1,563.94	-8,426.41	9,793.20	9,573.81	219.39	44.638		
5,800.00	5,582.69	5,608.69	5,608.69	32.48	194.08	147.39	1,563.94	-8,426.41	9,817.97	9,594.73	223.24	43.980		
5,900.00	5,678.38	5,704.38	5,704.38	33.07	197.42	147.48	1,563.94	-8,426.41	9,842.76	9,615.67	227.09	43.343		
6,000.00	5,774.06	5,800.06	5,800.06	33.65	200.76	147.57	1,563.94	-8,426.41	9,867.57	9,636.63	230.94	42.728		
6,100.00	5,869.75	5,904.25	5,895.75	34.24	204.40	147.66	1,563.94	-8,426.41	9,892.41	9,657.32	235.09	42.080		
6,200.00	5,965.44	6,000.56	5,991.44	34.83	208.04	147.75	1,563.94	-8,426.41	9,917.27	9,678.03	239.24	41.454		
6,300.00	6,061.12	6,087.12	6,087.12	35.41	210.78	147.84	1,563.94	-8,426.41	9,942.15	9,699.66	242.49	41.000		
6,400.00	6,156.81	6,182.81	6,182.81	36.00	214.12	147.92	1,563.94	-8,426.41	9,967.06	9,720.72	246.34	40.461		
6,500.00	6,252.50	6,278.50	6,278.50	36.59	217.46	148.01	1,563.94	-8,426.41	9,991.99	9,741.80	250.19	39.938		
7,100.00	6,819.14	6,845.14	6,845.14	39.03	237.24	43.05	1,563.94	-8,426.41	9,982.86	9,710.75	272.12	36.686		
7,150.00	6,860.16	6,886.16	6,886.16	39.16	238.67	41.44	1,563.94	-8,426.41	9,959.92	9,686.34	273.58	36.406		
7,200.00	6,898.98	6,924.98	6,924.98	39.31	240.03	40.58	1,563.94	-8,426.41	9,933.80	9,658.85	274.95	36.129		
7,250.00	6,935.36	6,961.36	6,961.36	39.47	241.30	40.36	1,563.94	-8,426.41	9,904.66	9,628.44	276.22	35.858		
7,300.00	6,969.08	7,004.92	6,995.08	39.65	242.82	40.73	1,563.94	-8,426.41	9,872.69	9,594.96	277.73	35.548		
7,350.00	6,999.94	7,025.94	7,025.94	39.85	243.55	41.70	1,563.94	-8,426.41	9,838.07	9,559.63	278.44	35.332		
7,400.00	7,027.74	7,053.74	7,053.74	40.08	244.52	43.31	1,563.94	-8,426.41	9,801.03	9,521.64	279.39	35.080		
7,450.00	7,052.31	7,078.31	7,078.31	40.34	245.38	45.65	1,563.94	-8,426.41	9,761.80	9,481.57	280.23	34.835		
7,500.00	7,073.49	7,100.51	7,099.49	40.63	246.16	48.87	1,563.94	-8,426.41	9,720.62	9,439.64	280.98	34.595		
7,550.00	7,091.17	7,117.17	7,117.17	40.95	246.74	53.18	1,563.94	-8,426.41	9,677.74	9,396.18	281.55	34.373		
7,600.00	7,105.22	7,131.22	7,131.22	41.31	247.23	58.88	1,563.94	-8,426.41	9,633.42	9,351.38	282.04	34.156		
7,650.00	7,115.57	7,141.57	7,141.57	41.71	247.59	66.30	1,563.94	-8,426.41	9,587.93	9,305.53	282.41	33.951		
7,700.00	7,122.15	7,148.15	7,148.15	42.15	247.82	75.74	1,563.94	-8,426.41	9,541.57	9,258.90	282.66	33.756		
7,750.00	7,124.91	7,150.91	7,150.91	42.62	247.91	87.22	1,563.94	-8,426.41	9,494.59	9,211.80	282.79	33.574		
7,759.54	7,125.00	7,151.00	7,151.00	42.72	247.92	89.60	1,563.94	-8,426.41	9,485.58	9,202.78	282.81	33.541		
7,800.00	7,125.10	7,151.10	7,151.10	43.13	247.92	89.61	1,563.94	-8,426.41	9,447.37	9,164.52	282.85	33.401		
7,900.00	7,125.34	7,151.34	7,151.34	44.28	247.93	89.61	1,563.94	-8,426.41	9,353.00	9,070.02	282.98	33.052		
8,000.00	7,125.58	7,151.58	7,151.58	45.61	247.94	89.61	1,563.94	-8,426.41	9,258.76	8,975.61	283.14	32.700		
8,100.00	7,125.82	7,151.82	7,151.82	47.10	247.95	89.62	1,563.94	-8,426.41	9,164.63	8,881.29	283.34	32.345		
8,200.00	7,126.06	7,152.06	7,152.06	48.72	247.96	89.62	1,563.94	-8,426.41	9,070.63	8,787.05	283.58	31.986		
8,300.00	7,126.30	7,152.30	7,152.30	50.48	247.96	89.63	1,563.94	-8,426.41	8,976.76	8,692.91	283.85	31.625		
8,400.00	7,126.54	7,152.54	7,152.54	52.34	247.97	89.63	1,563.94	-8,426.41	8,883.02	8,598.86	284.16	31.261		
8,500.00	7,126.78	7,152.78	7,152.78	54.30	247.98	89.64	1,563.94	-8,426.41	8,789.42	8,504.91	284.51	30.893		
8,600.00	7,127.02	7,153.02	7,153.02	56.35	247.99	89.64	1,563.94	-8,426.41	8,695.96	8,411.06	284.91	30.522		
8,700.00	7,127.26	7,153.26	7,153.26	58.47	248.00	89.65	1,563.94	-8,426.41	8,602.65	8,317.31	285.34	30.148		
8,800.00	7,127.50	7,153.50	7,153.50	60.66	248.01	89.65	1,563.94	-8,426.41	8,509.50	8,223.67	285.82	29.772		
8,900.00	7,127.74	7,153.74	7,153.74	62.90	248.01	89.65	1,563.94	-8,426.41	8,416.50	8,130.14	286.35	29.392		
9,000.00	7,127.98	7,153.98	7,153.98	65.19	248.02	89.66	1,563.94	-8,426.41	8,323.66	8,036.73	286.92	29.010		
9,100.00	7,128.22	7,154.22	7,154.22	67.53	248.03	89.66	1,563.94	-8,426.41	8,230.99	7,943.44	287.55	28.625		
9,200.00	7,128.46	7,154.46	7,154.46	69.92	248.04	89.67	1,563.94	-8,426.41	8,138.49	7,850.27	288.22	28.237		
9,300.00	7,128.70	7,154.70	7,154.70	72.33	248.05	89.67	1,563.94	-8,426.41	8,046.17	7,757.24	288.94	27.848		
9,400.00	7,128.94	7,154.94	7,154.94	74.78	248.06	89.68	1,563.94	-8,426.41	7,954.04	7,664.33	289.71	27.456		
9,500.00	7,129.18	7,155.18	7,155.18	77.26	248.06	89.68	1,563.94	-8,426.41	7,862.10	7,571.57	290.53	27.061		
9,600.00	7,129.42	7,155.42	7,155.42	79.76	248.07	89.69	1,563.94	-8,426.41	7,770.36	7,478.96	291.40	26.665		
9,700.00	7,129.66	7,155.66	7,155.66	82.29	248.08	89.69	1,563.94	-8,426.41	7,678.82	7,386.49	292.33	26.268		
9,800.00	7,129.90	7,155.90	7,155.90	84.84	248.09	89.69	1,563.94	-8,426.41	7,587.50	7,294.19	293.31	25.868		
9,900.00	7,130.14	7,156.14	7,156.14	87.41	248.10	89.70	1,563.94	-8,426.41	7,496.40	7,202.05	294.35	25.468		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,000.00	7,130.38	7,156.38	7,156.38	90.00	248.11	89.70	1,563.94	-8,426.41	7,405.54	7,110.09	295.44	25.066		
10,100.00	7,130.62	7,156.62	7,156.62	92.60	248.11	89.71	1,563.94	-8,426.41	7,314.90	7,018.31	296.59	24.663		
10,200.00	7,130.86	7,156.86	7,156.86	95.22	248.12	89.71	1,563.94	-8,426.41	7,224.52	6,926.72	297.80	24.260		
10,300.00	7,131.09	7,157.09	7,157.09	97.85	248.13	89.72	1,563.94	-8,426.41	7,134.39	6,835.33	299.07	23.856		
10,400.00	7,131.33	7,157.33	7,157.33	100.50	248.14	89.72	1,563.94	-8,426.41	7,044.53	6,744.14	300.39	23.451		
10,500.00	7,131.57	7,157.57	7,157.57	103.16	248.15	89.73	1,563.94	-8,426.41	6,954.95	6,653.17	301.78	23.047		
10,600.00	7,131.81	7,157.81	7,157.81	105.82	248.16	89.73	1,563.94	-8,426.41	6,865.65	6,562.43	303.22	22.642		
10,700.00	7,132.05	7,158.05	7,158.05	108.50	248.16	89.73	1,563.94	-8,426.41	6,776.65	6,471.92	304.73	22.238		
10,800.00	7,132.29	7,158.29	7,158.29	111.19	248.17	89.74	1,563.94	-8,426.41	6,687.97	6,381.66	306.30	21.834		
10,900.00	7,132.53	7,158.53	7,158.53	113.88	248.18	89.74	1,563.94	-8,426.41	6,599.60	6,291.66	307.94	21.431		
11,000.00	7,132.77	7,158.77	7,158.77	116.58	248.19	89.75	1,563.94	-8,426.41	6,511.58	6,201.93	309.64	21.029		
11,100.00	7,133.01	7,159.01	7,159.01	119.29	248.20	89.75	1,563.94	-8,426.41	6,423.90	6,112.49	311.41	20.628		
11,200.00	7,133.25	7,159.25	7,159.25	122.01	248.21	89.76	1,563.94	-8,426.41	6,336.59	6,023.34	313.25	20.229		
11,300.00	7,133.49	7,159.49	7,159.49	124.73	248.21	89.76	1,563.94	-8,426.41	6,249.66	5,934.51	315.15	19.831		
11,400.00	7,133.73	7,159.73	7,159.73	127.46	248.22	89.76	1,563.94	-8,426.41	6,163.12	5,846.00	317.13	19.434		
11,500.00	7,133.97	7,159.97	7,159.97	130.19	248.23	89.77	1,563.94	-8,426.41	6,077.00	5,757.83	319.18	19.040		
11,600.00	7,134.21	7,160.21	7,160.21	132.93	248.24	89.77	1,563.94	-8,426.41	5,991.31	5,670.01	321.30	18.647		
11,700.00	7,134.45	7,160.45	7,160.45	135.68	248.25	89.78	1,563.94	-8,426.41	5,906.07	5,582.58	323.50	18.257		
11,800.00	7,134.69	7,160.69	7,160.69	138.43	248.26	89.78	1,563.94	-8,426.41	5,821.30	5,495.53	325.77	17.869		
11,900.00	7,134.93	7,160.93	7,160.93	141.18	248.26	89.79	1,563.94	-8,426.41	5,737.02	5,408.90	328.12	17.484		
12,000.00	7,135.17	7,161.17	7,161.17	143.94	248.27	89.79	1,563.94	-8,426.41	5,653.26	5,322.70	330.56	17.102		
12,100.00	7,135.41	7,161.41	7,161.41	146.70	248.28	89.80	1,563.94	-8,426.41	5,570.02	5,236.95	333.07	16.723		
12,200.00	7,135.65	7,161.65	7,161.65	149.46	248.29	89.80	1,563.94	-8,426.41	5,487.35	5,151.68	335.67	16.347		
12,300.00	7,135.89	7,161.89	7,161.89	152.23	248.30	89.80	1,563.94	-8,426.41	5,405.27	5,066.91	338.35	15.975		
12,400.00	7,136.13	7,162.13	7,162.13	155.00	248.31	89.81	1,563.94	-8,426.41	5,323.79	4,982.67	341.13	15.606		
12,500.00	7,136.37	7,162.37	7,162.37	157.78	248.31	89.81	1,563.94	-8,426.41	5,242.96	4,898.97	343.99	15.242		
12,600.00	7,136.61	7,162.61	7,162.61	160.55	248.32	89.82	1,563.94	-8,426.41	5,162.80	4,815.86	346.94	14.881		
12,700.00	7,136.85	7,162.85	7,162.85	163.33	248.33	89.82	1,563.94	-8,426.41	5,083.34	4,733.35	349.99	14.524		
12,800.00	7,137.09	7,163.09	7,163.09	166.12	248.34	89.83	1,563.94	-8,426.41	5,004.62	4,651.49	353.13	14.172		
12,900.00	7,137.33	7,163.33	7,163.33	168.90	248.35	89.83	1,563.94	-8,426.41	4,926.67	4,570.30	356.37	13.825		
13,000.00	7,137.57	7,163.57	7,163.57	171.69	248.36	89.84	1,563.94	-8,426.41	4,849.53	4,489.83	359.71	13.482		
13,100.00	7,137.81	7,163.81	7,163.81	174.48	248.37	89.84	1,563.94	-8,426.41	4,773.24	4,410.10	363.14	13.144		
13,200.00	7,138.05	7,164.05	7,164.05	177.27	248.37	89.84	1,563.94	-8,426.41	4,697.84	4,331.16	366.68	12.812		
13,300.00	7,138.29	7,164.29	7,164.29	180.07	248.38	89.85	1,563.94	-8,426.41	4,623.37	4,253.05	370.32	12.485		
13,400.00	7,138.53	7,164.53	7,164.53	182.86	248.39	89.85	1,563.94	-8,426.41	4,549.88	4,175.81	374.07	12.163		
13,500.00	7,138.77	7,164.77	7,164.77	185.66	248.40	89.86	1,563.94	-8,426.41	4,477.42	4,099.50	377.92	11.848		
13,600.00	7,139.01	7,165.01	7,165.01	188.46	248.41	89.86	1,563.94	-8,426.41	4,406.04	4,024.16	381.87	11.538		
13,700.00	7,139.25	7,165.25	7,165.25	191.26	248.42	89.87	1,563.94	-8,426.41	4,335.78	3,949.85	385.93	11.234		
13,800.00	7,139.49	7,165.49	7,165.49	194.06	248.42	89.87	1,563.94	-8,426.41	4,266.72	3,876.62	390.10	10.937		
13,900.00	7,139.73	7,165.73	7,165.73	196.87	248.43	89.88	1,563.94	-8,426.41	4,198.90	3,804.53	394.37	10.647		
14,000.00	7,139.97	7,165.97	7,165.97	199.68	248.44	89.88	1,563.94	-8,426.41	4,132.38	3,733.64	398.74	10.364		
14,100.00	7,140.21	7,166.21	7,166.21	202.48	248.45	89.88	1,563.94	-8,426.41	4,067.24	3,664.03	403.21	10.087		
14,200.00	7,140.45	7,166.45	7,166.45	205.29	248.46	89.89	1,563.94	-8,426.41	4,003.54	3,595.75	407.79	9.818		
14,300.00	7,140.69	7,166.69	7,166.69	208.10	248.47	89.89	1,563.94	-8,426.41	3,941.34	3,528.89	412.45	9.556		
14,400.00	7,140.93	7,166.93	7,166.93	210.91	248.47	89.90	1,563.94	-8,426.41	3,880.73	3,463.52	417.21	9.302		
14,500.00	7,141.17	7,167.17	7,167.17	213.73	248.48	89.90	1,563.94	-8,426.41	3,821.77	3,399.72	422.05	9.055		
14,600.00	7,141.41	7,167.41	7,167.41	216.54	248.49	89.91	1,563.94	-8,426.41	3,764.54	3,337.58	426.97	8.817		
14,700.00	7,141.65	7,167.65	7,167.65	219.36	248.50	89.91	1,563.94	-8,426.41	3,709.13	3,277.17	431.96	8.587		
14,800.00	7,141.89	7,167.89	7,167.89	222.17	248.51	89.92	1,563.94	-8,426.41	3,655.61	3,218.61	437.01	8.365		
14,900.00	7,142.13	7,168.13	7,168.13	224.99	248.52	89.92	1,563.94	-8,426.41	3,604.08	3,161.97	442.11	8.152		
15,000.00	7,142.36	7,168.36	7,168.36	227.81	248.52	89.92	1,563.94	-8,426.41	3,554.61	3,107.35	447.26	7.948		
15,100.00	7,142.60	7,168.60	7,168.60	230.63	248.53	89.93	1,563.94	-8,426.41	3,507.29	3,054.86	452.43	7.752		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,200.00	7,142.84	7,168.84	7,168.84	233.45	248.54	89.93	1,563.94	-8,426.41	3,462.22	3,004.60	457.62	7.566		
15,300.00	7,143.08	7,169.08	7,169.08	236.27	248.55	89.94	1,563.94	-8,426.41	3,419.48	2,956.68	462.80	7.389		
15,400.00	7,143.32	7,169.32	7,169.32	239.09	248.56	89.94	1,563.94	-8,426.41	3,379.16	2,911.19	467.97	7.221		
15,500.00	7,143.56	7,169.56	7,169.56	241.91	248.57	89.95	1,563.94	-8,426.41	3,341.34	2,868.24	473.10	7.063		
15,600.00	7,143.80	7,169.80	7,169.80	244.73	248.57	89.95	1,563.94	-8,426.41	3,306.12	2,827.94	478.17	6.914		
15,700.00	7,144.04	7,170.04	7,170.04	247.56	248.58	89.95	1,563.94	-8,426.41	3,273.57	2,790.40	483.17	6.775		
15,800.00	7,144.28	7,170.28	7,170.28	250.38	248.59	89.96	1,563.94	-8,426.41	3,243.78	2,755.71	488.08	6.646		
15,900.00	7,144.52	7,170.52	7,170.52	253.21	248.60	89.96	1,563.94	-8,426.41	3,216.83	2,723.97	492.86	6.527		
16,000.00	7,144.76	7,170.76	7,170.76	256.03	248.61	89.97	1,563.94	-8,426.41	3,192.78	2,695.27	497.51	6.418		
16,100.00	7,145.00	7,171.00	7,171.00	258.86	248.62	89.97	1,563.94	-8,426.41	3,171.71	2,669.71	502.00	6.318		
16,200.00	7,145.24	7,171.24	7,171.24	261.69	248.62	89.98	1,563.94	-8,426.41	3,153.66	2,647.36	506.30	6.229		
16,300.00	7,145.48	7,171.48	7,171.48	264.52	248.63	89.98	1,563.94	-8,426.41	3,138.70	2,628.29	510.41	6.149		
16,400.00	7,145.72	7,171.72	7,171.72	267.35	248.64	89.99	1,563.94	-8,426.41	3,126.87	2,612.58	514.29	6.080		
16,500.00	7,145.96	7,171.96	7,171.96	270.18	248.65	89.99	1,563.94	-8,426.41	3,118.20	2,600.26	517.94	6.020		
16,600.00	7,146.20	7,172.20	7,172.20	273.01	248.66	89.99	1,563.94	-8,426.41	3,112.72	2,591.39	521.33	5.971		
16,700.00	7,146.44	7,172.44	7,172.44	275.84	248.67	90.00	1,563.94	-8,426.41	3,110.45	2,585.99	524.46	5.931		
16,720.70	7,146.49	7,172.49	7,172.49	276.42	248.67	90.00	1,563.94	-8,426.41	3,110.38	2,585.31	525.07	5.924 CC		
16,800.00	7,146.68	7,172.68	7,172.68	278.67	248.67	90.00	1,563.94	-8,426.41	3,111.39	2,584.08	527.31	5.900 ES		
16,900.00	7,146.92	7,172.92	7,172.92	281.50	248.68	90.01	1,563.94	-8,426.41	3,115.54	2,585.67	529.88	5.880		
17,000.00	7,147.16	7,173.16	7,173.16	284.33	248.69	90.01	1,563.94	-8,426.41	3,122.89	2,590.75	532.15	5.868		
17,100.00	7,147.40	7,173.40	7,173.40	287.16	248.70	90.02	1,563.94	-8,426.41	3,133.42	2,599.30	534.13	5.866 SF		
17,200.00	7,147.64	7,173.64	7,173.64	290.00	248.71	90.02	1,563.94	-8,426.41	3,147.09	2,611.28	535.81	5.874		
17,300.00	7,147.88	7,173.88	7,173.88	292.83	248.72	90.03	1,563.94	-8,426.41	3,163.87	2,626.67	537.20	5.890		
17,400.00	7,148.12	7,174.12	7,174.12	295.66	248.73	90.03	1,563.94	-8,426.41	3,183.70	2,645.39	538.30	5.914		
17,500.00	7,148.36	7,174.36	7,174.36	298.50	248.73	90.03	1,563.94	-8,426.41	3,206.52	2,667.39	539.13	5.948		
17,600.00	7,148.60	7,174.60	7,174.60	301.33	248.74	90.04	1,563.94	-8,426.41	3,232.28	2,692.60	539.68	5.989		
17,700.00	7,148.84	7,174.84	7,174.84	304.17	248.75	90.04	1,563.94	-8,426.41	3,260.90	2,720.93	539.97	6.039		
17,800.00	7,149.08	7,175.08	7,175.08	307.00	248.76	90.05	1,563.94	-8,426.41	3,292.32	2,752.30	540.02	6.097		
17,900.00	7,149.32	7,175.32	7,175.32	309.84	248.77	90.05	1,563.94	-8,426.41	3,326.44	2,786.61	539.83	6.162		
18,000.00	7,149.56	7,175.56	7,175.56	312.68	248.78	90.06	1,563.94	-8,426.41	3,363.19	2,823.77	539.43	6.235		
18,100.00	7,149.80	7,175.80	7,175.80	315.51	248.78	90.06	1,563.94	-8,426.41	3,402.49	2,863.67	538.82	6.315		
18,200.00	7,150.04	7,176.04	7,176.04	318.35	248.79	90.07	1,563.94	-8,426.41	3,444.24	2,906.22	538.02	6.402		
18,300.00	7,150.28	7,176.28	7,176.28	321.19	248.80	90.07	1,563.94	-8,426.41	3,488.36	2,951.31	537.05	6.495		
18,400.00	7,150.52	7,176.52	7,176.52	324.03	248.81	90.07	1,563.94	-8,426.41	3,534.76	2,998.83	535.93	6.596		
18,500.00	7,150.76	7,176.76	7,176.76	326.86	248.82	90.08	1,563.94	-8,426.41	3,583.35	3,048.69	534.66	6.702		
18,600.00	7,151.00	7,177.00	7,177.00	329.70	248.83	90.08	1,563.94	-8,426.41	3,634.04	3,100.77	533.27	6.815		
18,700.00	7,151.24	7,177.24	7,177.24	332.54	248.83	90.09	1,563.94	-8,426.41	3,686.74	3,154.99	531.76	6.933		
18,800.00	7,151.48	7,177.48	7,177.48	335.38	248.84	90.09	1,563.94	-8,426.41	3,741.38	3,211.23	530.15	7.057		
18,900.00	7,151.72	7,177.72	7,177.72	338.22	248.85	90.10	1,563.94	-8,426.41	3,797.87	3,269.40	528.46	7.187		
19,000.00	7,151.96	7,177.96	7,177.96	341.06	248.86	90.10	1,563.94	-8,426.41	3,856.12	3,329.42	526.70	7.321		
19,018.30	7,152.00	7,178.00	7,178.00	341.58	248.86	90.10	1,563.94	-8,426.41	3,866.96	3,340.60	526.37	7.346		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-166.87	-2,651.05	-618.56	2,722.27					
100.00	100.00	83.52	83.52	3.28	3.28	-166.87	-2,651.17	-618.57	2,722.38	2,715.81	6.57	414.389		
200.00	200.00	188.50	188.50	3.34	3.33	-166.87	-2,651.43	-618.48	2,722.61	2,715.94	6.67	408.170		
300.00	299.98	282.53	282.53	3.44	3.43	55.92	-2,651.63	-618.32	2,721.80	2,714.94	6.87	396.284		
400.00	399.84	381.80	381.80	3.59	3.57	56.05	-2,651.96	-618.40	2,719.22	2,712.05	7.17	379.417		
500.00	499.45	484.06	484.06	3.80	3.77	56.29	-2,652.22	-618.59	2,714.64	2,707.08	7.56	358.956		
600.00	598.70	582.37	582.37	4.04	4.00	56.61	-2,652.45	-618.67	2,708.11	2,700.08	8.03	337.216		
700.00	697.47	692.30	692.30	4.32	4.28	57.06	-2,652.58	-618.60	2,699.59	2,690.99	8.60	313.933		
800.00	795.62	783.20	783.20	4.65	4.54	57.54	-2,652.56	-618.56	2,689.11	2,679.93	9.18	293.020		
900.00	893.06	877.03	877.03	5.01	4.83	58.14	-2,652.71	-618.78	2,677.13	2,667.31	9.82	272.680		
1,000.00	989.64	988.22	988.22	5.42	5.18	58.91	-2,652.76	-618.82	2,663.33	2,652.77	10.56	252.108		
1,044.50	1,032.32	1,029.13	1,029.13	5.61	5.32	59.24	-2,652.66	-618.76	2,656.52	2,645.64	10.88	244.057		
1,100.00	1,085.43	1,076.13	1,076.13	5.86	5.48	59.50	-2,652.61	-618.74	2,647.98	2,636.70	11.28	234.751		
1,200.00	1,181.11	1,168.81	1,168.81	6.33	5.80	60.01	-2,652.70	-618.82	2,632.97	2,620.93	12.04	218.596		
1,300.00	1,276.80	1,262.90	1,262.90	6.81	6.14	60.53	-2,652.83	-618.85	2,618.23	2,605.39	12.84	203.855		
1,400.00	1,372.49	1,359.58	1,359.58	7.31	6.49	61.08	-2,653.03	-618.83	2,603.78	2,590.10	13.67	190.407		
1,500.00	1,468.17	1,456.28	1,456.27	7.83	6.85	61.62	-2,653.18	-618.71	2,589.49	2,574.96	14.53	178.266		
1,600.00	1,563.86	1,553.16	1,553.16	8.35	7.22	62.18	-2,653.32	-618.63	2,575.44	2,560.04	15.39	167.294		
1,700.00	1,659.55	1,648.60	1,648.59	8.88	7.59	62.72	-2,653.45	-618.37	2,561.58	2,545.30	16.27	157.420		
1,800.00	1,755.23	1,743.62	1,743.62	9.42	7.96	63.28	-2,653.53	-618.48	2,548.04	2,530.88	17.16	148.481		
1,900.00	1,850.92	1,844.39	1,844.38	9.97	8.35	63.87	-2,653.61	-618.33	2,534.68	2,516.60	18.08	140.188		
2,000.00	1,946.61	1,938.32	1,938.32	10.52	8.72	64.44	-2,653.44	-618.33	2,521.39	2,502.41	18.98	132.810		
2,100.00	2,042.29	2,024.48	2,024.47	11.07	9.06	64.96	-2,653.56	-618.57	2,508.74	2,488.87	19.87	126.259		
2,200.00	2,137.98	2,123.49	2,123.48	11.63	9.46	65.57	-2,653.73	-618.97	2,496.46	2,475.65	20.81	119.961		
2,300.00	2,233.67	2,226.69	2,226.68	12.19	9.87	66.21	-2,653.62	-619.34	2,484.19	2,462.42	21.77	114.095		
2,400.00	2,329.35	2,325.17	2,325.16	12.76	10.27	66.83	-2,653.41	-619.57	2,472.07	2,449.34	22.72	108.789		
2,500.00	2,425.04	2,427.07	2,427.07	13.32	10.68	67.47	-2,653.06	-619.45	2,459.99	2,436.30	23.69	103.835		
2,600.00	2,520.72	2,522.48	2,522.47	13.89	11.07	68.07	-2,652.70	-619.23	2,448.12	2,423.48	24.64	99.353		
2,700.00	2,616.41	2,618.15	2,618.14	14.46	11.46	68.68	-2,652.31	-619.04	2,436.54	2,410.94	25.60	95.193		
2,800.00	2,712.10	2,710.10	2,710.09	15.03	11.83	69.27	-2,652.09	-618.71	2,425.33	2,398.78	26.54	91.377		
2,900.00	2,807.78	2,799.28	2,799.27	15.60	12.20	69.84	-2,652.08	-618.41	2,414.62	2,387.14	27.48	87.862		
3,000.00	2,903.47	2,898.82	2,898.81	16.18	12.61	70.49	-2,651.98	-618.39	2,404.27	2,375.80	28.46	84.465		
3,100.00	2,999.16	2,995.36	2,995.35	16.75	13.01	71.14	-2,651.67	-618.57	2,394.13	2,364.69	29.44	81.324		
3,200.00	3,094.84	3,085.64	3,085.62	17.33	13.38	71.74	-2,651.53	-618.63	2,384.40	2,354.00	30.39	78.448		
3,300.00	3,190.53	3,175.99	3,175.98	17.90	13.76	72.34	-2,651.64	-618.65	2,375.20	2,343.85	31.35	75.757		
3,400.00	3,286.22	3,269.74	3,269.73	18.48	14.14	72.97	-2,651.87	-618.81	2,366.49	2,334.17	32.33	73.205		
3,500.00	3,381.90	3,364.61	3,364.59	19.06	14.54	73.61	-2,652.30	-618.70	2,358.14	2,324.83	33.31	70.799		
3,600.00	3,477.59	3,458.17	3,458.15	19.64	14.93	74.24	-2,652.76	-618.64	2,350.16	2,315.88	34.29	68.547		
3,700.00	3,573.28	3,550.55	3,550.53	20.22	15.32	74.86	-2,653.32	-618.62	2,342.63	2,307.37	35.26	66.437		
3,800.00	3,668.96	3,643.50	3,643.48	20.80	15.71	75.50	-2,654.02	-618.66	2,335.57	2,299.33	36.24	64.447		
3,900.00	3,764.65	3,739.20	3,739.18	21.38	16.11	76.15	-2,654.79	-618.74	2,328.91	2,291.68	37.23	62.550		
4,000.00	3,860.33	3,836.86	3,836.83	21.96	16.52	76.83	-2,655.53	-618.78	2,322.52	2,284.29	38.23	60.745		
4,100.00	3,956.02	3,931.64	3,931.62	22.54	16.91	77.48	-2,656.27	-618.73	2,316.43	2,277.20	39.23	59.054		
4,200.00	4,051.71	4,023.54	4,023.51	23.13	17.30	78.11	-2,657.13	-618.72	2,310.82	2,270.61	40.21	57.473		
4,300.00	4,147.39	4,119.36	4,119.32	23.71	17.70	78.78	-2,658.13	-618.70	2,305.62	2,264.42	41.21	55.954		
4,400.00	4,243.08	4,216.41	4,216.37	24.29	18.11	79.45	-2,659.24	-618.46	2,300.71	2,258.50	42.21	54.507		
4,500.00	4,338.77	4,309.49	4,309.43	24.88	18.50	80.09	-2,660.37	-618.26	2,296.20	2,253.01	43.20	53.155		
4,600.00	4,434.45	4,410.36	4,410.30	25.46	18.93	80.80	-2,661.42	-618.18	2,291.97	2,247.76	44.22	51.832		
4,700.00	4,530.14	4,498.88	4,498.82	26.04	19.30	81.43	-2,662.10	-618.51	2,288.17	2,242.98	45.19	50.633		
4,800.00	4,625.83	4,597.26	4,597.20	26.63	19.72	82.14	-2,662.77	-619.13	2,284.79	2,238.59	46.20	49.449		
4,900.00	4,721.51	4,694.07	4,694.00	27.21	20.13	82.84	-2,663.49	-619.53	2,281.70	2,234.49	47.21	48.329		
5,000.00	4,817.20	4,799.40	4,799.33	27.80	20.57	83.59	-2,664.39	-619.47	2,278.75	2,230.50	48.25	47.225		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,895.53	4,895.46	28.38	20.98	84.26	-2,665.27	-619.00	2,275.93	2,226.68	49.26	46.205		
5,200.00	5,008.57	4,993.37	4,993.29	28.97	21.39	84.95	-2,666.07	-618.58	2,273.42	2,223.15	50.27	45.226		
5,300.00	5,104.26	5,091.96	5,091.88	29.55	21.81	85.66	-2,666.63	-618.28	2,271.16	2,219.88	51.28	44.288		
5,400.00	5,199.94	5,185.56	5,185.48	30.14	22.21	86.33	-2,667.05	-618.09	2,269.24	2,216.96	52.27	43.410		
5,500.00	5,295.63	5,281.57	5,281.48	30.72	22.61	87.03	-2,667.45	-618.01	2,267.73	2,214.46	53.28	42.565		
5,600.00	5,391.32	5,378.38	5,378.29	31.31	23.03	87.73	-2,667.77	-617.96	2,266.56	2,212.28	54.28	41.755		
5,700.00	5,487.00	5,471.27	5,471.18	31.90	23.42	88.41	-2,668.07	-617.96	2,265.77	2,210.50	55.27	40.994		
5,800.00	5,582.69	5,565.52	5,565.43	32.48	23.82	89.10	-2,668.46	-618.04	2,265.47	2,209.21	56.26	40.264		
5,825.21	5,606.81	5,589.55	5,589.46	32.63	23.92	89.27	-2,668.55	-618.07	2,265.46	2,208.94	56.52	40.085		
5,900.00	5,678.38	5,659.06	5,658.97	33.07	24.22	89.78	-2,668.81	-618.22	2,265.59	2,208.34	57.25	39.571		
6,000.00	5,774.06	5,751.55	5,751.46	33.65	24.61	90.46	-2,669.14	-618.58	2,266.21	2,207.97	58.24	38.913		
6,100.00	5,869.75	5,845.58	5,845.49	34.24	25.01	91.16	-2,669.44	-619.14	2,267.32	2,208.09	59.23	38.282		
6,200.00	5,965.44	5,939.94	5,939.85	34.83	25.41	91.86	-2,669.55	-619.90	2,268.84	2,208.62	60.22	37.678		
6,300.00	6,061.12	6,031.91	6,031.81	35.41	25.80	92.55	-2,669.40	-621.00	2,270.85	2,209.66	61.19	37.110		
6,400.00	6,156.81	6,124.29	6,124.17	36.00	26.19	93.25	-2,669.24	-622.32	2,273.42	2,211.25	62.17	36.568		
6,500.00	6,252.50	6,220.56	6,220.43	36.59	26.60	93.98	-2,668.92	-623.84	2,276.41	2,213.24	63.16	36.041		
6,600.00	6,348.18	6,316.33	6,316.20	37.18	27.00	94.71	-2,668.48	-625.39	2,279.74	2,215.59	64.15	35.537		
6,636.04	6,382.67	6,349.08	6,348.94	37.39	27.14	94.96	-2,668.32	-625.95	2,281.06	2,216.56	64.50	35.367		
6,650.00	6,396.05	6,361.79	6,361.64	37.47	27.20	91.80	-2,668.25	-626.17	2,281.47	2,216.84	64.63	35.300		
6,700.00	6,444.38	6,407.99	6,407.84	37.74	27.39	77.49	-2,668.02	-627.02	2,280.97	2,215.88	65.09	35.042		
6,750.00	6,493.07	6,456.06	6,455.90	37.98	27.60	58.93	-2,667.78	-627.94	2,277.38	2,211.84	65.53	34.752		
6,800.00	6,541.82	6,504.61	6,504.44	38.18	27.80	39.18	-2,667.52	-628.89	2,270.66	2,204.72	65.94	34.436		
6,850.00	6,590.35	6,556.46	6,556.28	38.35	28.02	22.27	-2,667.22	-629.87	2,260.79	2,194.45	66.33	34.082		
6,900.00	6,638.34	6,607.79	6,607.59	38.50	28.24	9.52	-2,666.88	-630.78	2,247.76	2,181.06	66.70	33.698		
6,950.00	6,685.50	6,657.81	6,657.61	38.64	28.45	0.13	-2,666.54	-631.59	2,231.67	2,164.62	67.05	33.283		
7,000.00	6,731.54	6,707.02	6,706.82	38.77	28.66	-7.07	-2,666.21	-632.31	2,212.60	2,145.21	67.39	32.833		
7,050.00	6,776.18	6,756.60	6,756.38	38.90	28.87	-12.93	-2,665.81	-632.97	2,190.66	2,122.93	67.72	32.347		
7,100.00	6,819.14	6,804.28	6,804.06	39.03	29.07	-18.04	-2,665.32	-633.55	2,165.97	2,097.92	68.05	31.828		
7,150.00	6,860.16	6,849.90	6,849.67	39.16	29.27	-22.80	-2,664.74	-634.08	2,138.73	2,070.35	68.37	31.280		
7,200.00	6,898.98	6,893.06	6,892.83	39.31	29.45	-27.45	-2,664.05	-634.57	2,109.12	2,040.43	68.69	30.705		
7,250.00	6,935.36	6,928.84	6,928.60	39.47	29.60	-32.15	-2,663.39	-635.01	2,077.43	2,008.44	68.98	30.115		
7,300.00	6,969.08	6,961.29	6,961.04	39.65	29.74	-37.06	-2,662.72	-635.49	2,043.94	1,974.66	69.28	29.504		
7,350.00	6,999.94	6,991.20	6,990.94	39.85	29.86	-42.26	-2,662.04	-636.00	2,008.91	1,939.34	69.57	28.875		
7,400.00	7,027.74	7,019.62	7,019.34	40.08	29.99	-47.86	-2,661.35	-636.55	1,972.61	1,902.73	69.88	28.228		
7,450.00	7,052.31	7,045.49	7,045.20	40.34	30.10	-53.83	-2,660.65	-637.09	1,935.30	1,865.10	70.20	27.568		
7,500.00	7,073.49	7,068.06	7,067.75	40.63	30.19	-60.08	-2,660.00	-637.59	1,897.29	1,826.76	70.53	26.900		
7,550.00	7,091.17	7,087.17	7,086.85	40.95	30.27	-66.46	-2,659.42	-638.03	1,858.90	1,788.03	70.87	26.228		
7,600.00	7,105.22	7,102.69	7,102.35	41.31	30.34	-72.80	-2,658.92	-638.41	1,820.46	1,749.23	71.23	25.557		
7,650.00	7,115.57	7,114.05	7,113.71	41.71	30.39	-78.84	-2,658.55	-638.69	1,782.31	1,710.70	71.61	24.891		
7,700.00	7,122.15	7,121.77	7,121.42	42.15	30.42	-84.44	-2,658.30	-638.87	1,744.77	1,672.78	72.00	24.234		
7,750.00	7,124.91	7,125.71	7,125.36	42.62	30.44	-89.45	-2,658.17	-638.97	1,708.19	1,635.79	72.41	23.592		
7,759.54	7,125.00	7,126.03	7,125.68	42.72	30.44	-90.33	-2,658.16	-638.98	1,701.35	1,628.86	72.48	23.472		
7,800.00	7,125.10	7,127.10	7,126.75	43.13	30.44	-90.38	-2,658.13	-639.00	1,672.66	1,599.82	72.84	22.963		
7,900.00	7,125.34	7,129.75	7,129.39	44.28	30.46	-90.50	-2,658.04	-639.07	1,603.93	1,530.08	73.85	21.719		
8,000.00	7,125.58	7,132.40	7,132.04	45.61	30.47	-90.63	-2,657.95	-639.13	1,538.63	1,463.57	75.06	20.500		
8,100.00	7,125.82	7,135.05	7,134.68	47.10	30.48	-90.76	-2,657.87	-639.20	1,477.21	1,400.74	76.47	19.318		
8,200.00	7,126.06	7,137.69	7,137.33	48.72	30.49	-90.89	-2,657.78	-639.26	1,420.18	1,342.08	78.10	18.185		
8,300.00	7,126.30	7,140.34	7,139.97	50.48	30.50	-91.01	-2,657.70	-639.33	1,368.08	1,288.15	79.93	17.116		
8,400.00	7,126.54	7,142.99	7,142.62	52.34	30.51	-91.14	-2,657.61	-639.39	1,321.51	1,239.55	81.95	16.125		
8,500.00	7,126.78	7,145.64	7,145.26	54.30	30.53	-91.27	-2,657.52	-639.46	1,281.05	1,196.92	84.13	15.227		
8,600.00	7,127.02	7,148.28	7,147.91	56.35	30.54	-91.40	-2,657.44	-639.52	1,247.32	1,160.91	86.41	14.435		
8,700.00	7,127.26	7,150.93	7,150.55	58.47	30.55	-91.52	-2,657.35	-639.59	1,220.86	1,132.13	88.72	13.760		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,127.50	7,153.58	7,153.20	60.66	30.56	-91.65	-2,657.26	-639.65	1,202.15	1,111.16	90.99	13.212				
8,900.00	7,127.74	7,156.22	7,155.84	62.90	30.57	-91.78	-2,657.18	-639.71	1,191.56	1,098.43	93.14	12.794				
8,976.79	7,127.92	7,158.26	7,157.88	64.66	30.58	-91.88	-2,657.11	-639.76	1,189.09	1,094.43	94.65	12.562	CC			
9,000.00	7,127.98	7,158.87	7,158.49	65.19	30.58	-91.91	-2,657.09	-639.78	1,189.32	1,094.24	95.08	12.509	ES			
9,100.00	7,128.22	7,161.52	7,161.13	67.53	30.59	-92.03	-2,657.01	-639.84	1,195.45	1,098.69	96.76	12.355				
9,200.00	7,128.46	7,164.17	7,163.78	69.92	30.61	-92.16	-2,656.92	-639.91	1,209.84	1,111.71	98.14	12.328	SF			
9,300.00	7,128.70	7,166.81	7,166.42	72.33	30.62	-92.29	-2,656.83	-639.97	1,232.20	1,133.01	99.20	12.422				
9,400.00	7,128.94	7,169.46	7,169.07	74.78	30.63	-92.42	-2,656.75	-640.04	1,262.11	1,162.17	99.94	12.628				
9,500.00	7,129.18	7,172.11	7,171.72	77.26	30.64	-92.54	-2,656.66	-640.10	1,299.04	1,198.64	100.40	12.939				
9,600.00	7,129.42	7,174.76	7,174.36	79.76	30.65	-92.67	-2,656.58	-640.17	1,342.41	1,241.81	100.60	13.345				
9,700.00	7,129.66	7,177.40	7,177.01	82.29	30.66	-92.80	-2,656.49	-640.23	1,391.62	1,291.04	100.58	13.836				
9,800.00	7,129.90	7,180.05	7,179.65	84.84	30.68	-92.93	-2,656.40	-640.30	1,446.08	1,345.68	100.40	14.404				
9,900.00	7,130.14	7,182.70	7,182.30	87.41	30.69	-93.05	-2,656.32	-640.36	1,505.21	1,405.13	100.08	15.040				
10,000.00	7,130.38	7,185.34	7,184.94	90.00	30.70	-93.18	-2,656.23	-640.43	1,568.49	1,468.82	99.67	15.737				
10,100.00	7,130.62	7,187.99	7,187.59	92.60	30.71	-93.31	-2,656.15	-640.49	1,635.44	1,536.25	99.18	16.489				
10,200.00	7,130.86	7,190.64	7,190.23	95.22	30.72	-93.44	-2,656.06	-640.55	1,705.62	1,606.96	98.66	17.288				
10,300.00	7,131.09	7,193.29	7,192.88	97.85	30.73	-93.56	-2,655.97	-640.62	1,778.65	1,680.55	98.11	18.130				
10,400.00	7,131.33	7,195.93	7,195.52	100.50	30.74	-93.69	-2,655.89	-640.68	1,854.20	1,756.66	97.54	19.009				
10,500.00	7,131.57	7,198.58	7,198.17	103.16	30.76	-93.82	-2,655.80	-640.75	1,931.96	1,834.99	96.98	19.922				
10,600.00	7,131.81	7,201.23	7,200.81	105.82	30.77	-93.95	-2,655.72	-640.81	2,011.69	1,915.27	96.42	20.863				
10,700.00	7,132.05	7,203.88	7,203.46	108.50	30.78	-94.07	-2,655.63	-640.88	2,093.16	1,997.28	95.88	21.831				
10,800.00	7,132.29	7,206.52	7,206.10	111.19	30.79	-94.20	-2,655.54	-640.94	2,176.17	2,080.82	95.35	22.823				
10,900.00	7,132.53	7,209.17	7,208.75	113.88	30.80	-94.33	-2,655.46	-641.01	2,260.55	2,165.71	94.84	23.834				
11,000.00	7,132.77	7,211.82	7,211.39	116.58	30.81	-94.46	-2,655.37	-641.07	2,346.16	2,251.80	94.36	24.864				
11,100.00	7,133.01	7,214.47	7,214.04	119.29	30.83	-94.58	-2,655.29	-641.14	2,432.86	2,338.97	93.89	25.911				
11,200.00	7,133.25	7,217.11	7,216.68	122.01	30.84	-94.71	-2,655.20	-641.20	2,520.55	2,427.09	93.45	26.972				
11,300.00	7,133.49	7,219.76	7,219.33	124.73	30.85	-94.84	-2,655.11	-641.27	2,609.11	2,516.08	93.03	28.046				
11,400.00	7,133.73	7,222.41	7,221.97	127.46	30.86	-94.96	-2,655.03	-641.33	2,698.48	2,605.85	92.63	29.132				
11,500.00	7,133.97	7,225.05	7,224.62	130.19	30.87	-95.09	-2,654.94	-641.39	2,788.56	2,696.31	92.25	30.228				
11,600.00	7,134.21	7,227.70	7,227.26	132.93	30.88	-95.22	-2,654.86	-641.46	2,879.30	2,787.41	91.89	31.333				
11,700.00	7,134.45	7,230.35	7,229.91	135.68	30.90	-95.35	-2,654.77	-641.52	2,970.63	2,879.07	91.55	32.447				
11,800.00	7,134.69	7,233.00	7,232.55	138.43	30.91	-95.47	-2,654.68	-641.59	3,062.50	2,971.26	91.23	33.568				
11,900.00	7,134.93	7,235.64	7,235.20	141.18	30.92	-95.60	-2,654.60	-641.65	3,154.86	3,063.93	90.93	34.696				
12,000.00	7,135.17	7,238.29	7,237.84	143.94	30.93	-95.73	-2,654.51	-641.72	3,247.67	3,157.03	90.64	35.830				
12,100.00	7,135.41	7,240.94	7,240.49	146.70	30.94	-95.85	-2,654.43	-641.78	3,340.89	3,250.52	90.37	36.969				
12,200.00	7,135.65	7,243.59	7,243.13	149.46	30.95	-95.98	-2,654.34	-641.85	3,434.50	3,344.38	90.11	38.113				
12,300.00	7,135.89	7,246.23	7,245.78	152.23	30.96	-96.11	-2,654.25	-641.91	3,528.45	3,438.58	89.87	39.262				
12,400.00	7,136.13	7,248.88	7,248.42	155.00	30.98	-96.23	-2,654.17	-641.98	3,622.72	3,533.08	89.64	40.414				
12,500.00	7,136.37	7,251.53	7,251.07	157.78	30.99	-96.36	-2,654.08	-642.04	3,717.29	3,627.87	89.42	41.569				
12,600.00	7,136.61	7,254.17	7,253.71	160.55	31.00	-96.49	-2,653.99	-642.11	3,812.14	3,722.92	89.22	42.727				
12,700.00	7,136.85	7,256.82	7,256.36	163.33	31.01	-96.61	-2,653.91	-642.17	3,907.24	3,818.22	89.03	43.888				
12,800.00	7,137.09	7,259.47	7,259.00	166.12	31.02	-96.74	-2,653.82	-642.23	4,002.58	3,913.74	88.84	45.052				
12,900.00	7,137.33	7,262.12	7,261.65	168.90	31.03	-96.87	-2,653.74	-642.30	4,098.14	4,009.47	88.67	46.217				
13,000.00	7,137.57	7,264.76	7,264.29	171.69	31.05	-96.99	-2,653.65	-642.36	4,193.91	4,105.40	88.51	47.384				
13,100.00	7,137.81	7,267.41	7,266.94	174.48	31.06	-97.12	-2,653.56	-642.43	4,289.86	4,201.51	88.36	48.552				
13,200.00	7,138.05	7,270.06	7,269.58	177.27	31.07	-97.25	-2,653.48	-642.49	4,386.00	4,297.79	88.21	49.722				
13,300.00	7,138.29	7,272.71	7,272.23	180.07	31.08	-97.37	-2,653.39	-642.56	4,482.30	4,394.23	88.07	50.892				
13,400.00	7,138.53	7,275.35	7,274.87	182.86	31.09	-97.50	-2,653.31	-642.62	4,578.76	4,490.81	87.95	52.063				
13,500.00	7,138.77	7,278.00	7,277.52	185.66	31.10	-97.63	-2,653.22	-642.69	4,675.37	4,587.54	87.82	53.235				
13,600.00	7,139.01	7,280.65	7,280.16	188.46	31.12	-97.75	-2,653.13	-642.75	4,772.11	4,684.40	87.71	54.407				
13,700.00	7,139.25	7,283.29	7,282.81	191.26	31.13	-97.88	-2,653.05	-642.82	4,868.99	4,781.39	87.60	55.580				
13,800.00	7,139.49	7,285.94	7,285.46	194.06	31.14	-98.00	-2,652.96	-642.88	4,965.99	4,878.48	87.50	56.753				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,288.59	7,288.10	196.87	31.15	-98.13	-2,652.88	-642.95	5,063.10	4,975.69	87.41	57.925		
14,000.00	7,139.97	7,291.24	7,290.75	199.68	31.16	-98.26	-2,652.79	-643.01	5,160.32	5,073.00	87.32	59.098		
14,100.00	7,140.21	7,293.88	7,293.39	202.48	31.17	-98.38	-2,652.70	-643.07	5,257.65	5,170.41	87.24	60.270		
14,200.00	7,140.45	7,296.53	7,296.04	205.29	31.19	-98.51	-2,652.62	-643.14	5,355.07	5,267.91	87.16	61.441		
14,300.00	7,140.69	7,299.18	7,298.68	208.10	31.20	-98.63	-2,652.53	-643.20	5,452.58	5,365.50	87.08	62.612		
14,400.00	7,140.93	7,301.83	7,301.33	210.91	31.21	-98.76	-2,652.45	-643.27	5,550.19	5,463.17	87.02	63.783		
14,500.00	7,141.17	7,304.47	7,303.97	213.73	31.22	-98.89	-2,652.36	-643.33	5,647.87	5,560.92	86.95	64.952		
14,600.00	7,141.41	7,307.12	7,306.62	216.54	31.23	-99.01	-2,652.27	-643.40	5,745.63	5,658.74	86.90	66.121		
14,700.00	7,141.65	7,309.77	7,309.26	219.36	31.24	-99.14	-2,652.19	-643.46	5,843.47	5,756.63	86.84	67.289		
14,800.00	7,141.89	7,312.42	7,311.91	222.17	31.25	-99.26	-2,652.10	-643.53	5,941.38	5,854.59	86.79	68.456		
14,900.00	7,142.13	7,315.06	7,314.55	224.99	31.27	-99.39	-2,652.02	-643.59	6,039.35	5,952.61	86.75	69.621		
15,000.00	7,142.36	7,317.71	7,317.20	227.81	31.28	-99.51	-2,651.93	-643.66	6,137.39	6,050.69	86.70	70.786		
15,100.00	7,142.60	7,320.36	7,319.84	230.63	31.29	-99.64	-2,651.84	-643.72	6,235.50	6,148.83	86.67	71.949		
15,200.00	7,142.84	7,323.00	7,322.49	233.45	31.30	-99.76	-2,651.76	-643.78	6,333.65	6,247.02	86.63	73.111		
15,300.00	7,143.08	7,325.65	7,325.13	236.27	31.31	-99.89	-2,651.67	-643.85	6,431.87	6,345.27	86.60	74.272		
15,400.00	7,143.32	7,328.30	7,327.78	239.09	31.32	-100.01	-2,651.59	-643.91	6,530.14	6,443.57	86.57	75.431		
15,500.00	7,143.56	7,330.95	7,330.42	241.91	31.34	-100.14	-2,651.50	-643.98	6,628.46	6,541.91	86.55	76.588		
15,600.00	7,143.80	7,333.59	7,333.07	244.73	31.35	-100.26	-2,651.41	-644.04	6,726.82	6,640.30	86.53	77.744		
15,700.00	7,144.04	7,336.24	7,335.71	247.56	31.36	-100.39	-2,651.33	-644.11	6,825.24	6,738.73	86.51	78.898		
15,800.00	7,144.28	7,338.89	7,338.36	250.38	31.37	-100.51	-2,651.24	-644.17	6,923.70	6,837.20	86.49	80.050		
15,900.00	7,144.52	7,341.54	7,341.00	253.21	31.38	-100.64	-2,651.16	-644.24	7,022.20	6,935.72	86.48	81.201		
16,000.00	7,144.76	7,344.18	7,343.65	256.03	31.39	-100.76	-2,651.07	-644.30	7,120.74	7,034.27	86.47	82.350		
16,100.00	7,145.00	7,346.83	7,346.29	258.86	31.41	-100.89	-2,650.98	-644.37	7,219.32	7,132.86	86.46	83.497		
16,200.00	7,145.24	7,349.48	7,348.94	261.69	31.42	-101.01	-2,650.90	-644.43	7,317.94	7,231.48	86.46	84.642		
16,300.00	7,145.48	7,352.12	7,351.58	264.52	31.43	-101.13	-2,650.81	-644.50	7,416.59	7,330.14	86.46	85.785		
16,400.00	7,145.72	7,354.77	7,354.23	267.35	31.44	-101.26	-2,650.73	-644.56	7,515.28	7,428.82	86.46	86.926		
16,500.00	7,145.96	7,357.42	7,356.87	270.18	31.45	-101.38	-2,650.64	-644.62	7,614.00	7,527.54	86.46	88.066		
16,600.00	7,146.20	7,360.07	7,359.52	273.01	31.46	-101.51	-2,650.55	-644.69	7,712.76	7,626.29	86.46	89.203		
16,700.00	7,146.44	7,362.71	7,362.16	275.84	31.48	-101.63	-2,650.47	-644.75	7,811.54	7,725.07	86.47	90.337		
16,800.00	7,146.68	7,365.36	7,364.81	278.67	31.49	-101.75	-2,650.38	-644.82	7,910.36	7,823.87	86.48	91.470		
16,900.00	7,146.92	7,368.01	7,367.45	281.50	31.50	-101.88	-2,650.29	-644.88	8,009.20	7,922.71	86.49	92.601		
17,000.00	7,147.16	7,370.66	7,370.10	284.33	31.51	-102.00	-2,650.21	-644.95	8,108.07	8,021.56	86.51	93.729		
17,100.00	7,147.40	7,373.30	7,372.74	287.16	31.52	-102.12	-2,650.12	-645.01	8,206.97	8,120.44	86.52	94.855		
17,200.00	7,147.64	7,375.95	7,375.39	290.00	31.53	-102.25	-2,650.04	-645.08	8,305.89	8,219.35	86.54	95.978		
17,300.00	7,147.88	7,378.60	7,378.03	292.83	31.55	-102.37	-2,649.95	-645.14	8,404.84	8,318.28	86.56	97.100		
17,400.00	7,148.12	7,381.25	7,380.68	295.66	31.56	-102.49	-2,649.86	-645.21	8,503.81	8,417.23	86.58	98.219		
17,500.00	7,148.36	7,383.89	7,383.32	298.50	31.57	-102.62	-2,649.78	-645.27	8,602.80	8,516.20	86.60	99.335		
17,600.00	7,148.60	7,386.54	7,385.97	301.33	31.58	-102.74	-2,649.69	-645.34	8,701.82	8,615.19	86.63	100.449		
17,700.00	7,148.84	7,389.19	7,388.61	304.17	31.59	-102.86	-2,649.61	-645.40	8,800.86	8,714.20	86.66	101.561		
17,800.00	7,149.08	7,391.83	7,391.26	307.00	31.60	-102.99	-2,649.52	-645.46	8,899.91	8,813.23	86.68	102.670		
17,900.00	7,149.32	7,394.48	7,393.90	309.84	31.62	-103.11	-2,649.43	-645.53	8,998.99	8,912.28	86.72	103.776		
18,000.00	7,149.56	7,397.13	7,396.55	312.68	31.63	-103.23	-2,649.35	-645.59	9,098.09	9,011.34	86.75	104.880		
18,100.00	7,149.80	7,399.78	7,399.19	315.51	31.64	-103.35	-2,649.26	-645.66	9,197.21	9,110.43	86.78	105.982		
18,200.00	7,150.04	7,402.42	7,401.84	318.35	31.65	-103.48	-2,649.18	-645.72	9,296.34	9,209.53	86.82	107.081		
18,300.00	7,150.28	7,405.07	7,404.49	321.19	31.66	-103.60	-2,649.09	-645.79	9,395.50	9,308.64	86.85	108.177		
18,400.00	7,150.52	7,407.72	7,407.13	324.03	31.67	-103.72	-2,649.00	-645.85	9,494.67	9,407.77	86.89	109.271		
18,500.00	7,150.76	7,410.37	7,409.78	326.86	31.69	-103.84	-2,648.92	-645.92	9,593.85	9,506.92	86.93	110.361		
18,600.00	7,151.00	7,413.01	7,412.42	329.70	31.70	-103.97	-2,648.83	-645.98	9,693.05	9,606.08	86.97	111.450		
18,700.00	7,151.24	7,415.66	7,415.07	332.54	31.71	-104.09	-2,648.75	-646.05	9,792.27	9,705.26	87.02	112.535		
18,800.00	7,151.48	7,418.31	7,417.71	335.38	31.72	-104.21	-2,648.66	-646.11	9,891.50	9,804.44	87.06	113.618		
18,900.00	7,151.72	7,420.95	7,420.36	338.22	31.73	-104.33	-2,648.57	-646.18	9,990.75	9,903.65	87.10	114.698		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-154.83	-3,720.60	-1,748.11	4,111.00					
100.00	100.00	60.00	60.00	3.28	3.44	-154.83	-3,720.60	-1,748.11	4,110.81	4,104.08	6.73	611.012		
200.00	200.00	160.00	160.00	3.34	5.05	-154.83	-3,720.60	-1,748.11	4,110.81	4,102.42	8.39	490.125		
300.00	299.98	259.98	259.98	3.44	8.03	67.95	-3,720.60	-1,748.11	4,110.15	4,098.68	11.47	358.304		
400.00	399.84	359.84	359.84	3.59	11.30	68.06	-3,720.60	-1,748.11	4,108.19	4,093.29	14.89	275.820		
500.00	499.45	459.45	459.45	3.80	14.67	68.23	-3,720.60	-1,748.11	4,104.93	4,086.48	18.46	222.409		
600.00	598.70	558.70	558.70	4.04	18.06	68.47	-3,720.60	-1,748.11	4,100.41	4,078.31	22.09	185.588		
700.00	697.47	657.47	657.47	4.32	21.46	68.78	-3,720.60	-1,748.11	4,094.64	4,068.87	25.78	158.842		
800.00	795.62	755.62	755.62	4.65	24.85	69.15	-3,720.60	-1,748.11	4,087.68	4,058.19	29.49	138.600		
900.00	893.06	853.06	853.06	5.01	28.23	69.59	-3,720.60	-1,748.11	4,079.58	4,046.35	33.23	122.778		
1,000.00	989.64	949.64	949.64	5.42	31.58	70.10	-3,720.60	-1,748.11	4,070.38	4,033.41	36.98	110.084		
1,044.50	1,032.32	1,007.68	992.32	5.61	33.59	70.34	-3,720.60	-1,748.11	4,065.96	4,026.78	39.18	103.779		
1,100.00	1,085.43	1,045.43	1,045.43	5.86	34.90	70.55	-3,720.60	-1,748.11	4,060.35	4,019.62	40.73	99.682		
1,200.00	1,181.11	1,141.11	1,141.11	6.33	38.23	70.92	-3,720.60	-1,748.11	4,050.38	4,005.87	44.52	90.988		
1,300.00	1,276.80	1,236.80	1,236.80	6.81	41.56	71.30	-3,720.60	-1,748.11	4,040.60	3,992.28	48.32	83.623		
1,400.00	1,372.49	1,332.49	1,332.49	7.31	44.89	71.67	-3,720.60	-1,748.11	4,031.00	3,978.86	52.14	77.310		
1,500.00	1,468.17	1,428.17	1,428.17	7.83	48.22	72.05	-3,720.60	-1,748.11	4,021.59	3,965.62	55.98	71.845		
1,600.00	1,563.86	1,523.86	1,523.86	8.35	51.56	72.43	-3,720.60	-1,748.11	4,012.37	3,952.55	59.82	67.070		
1,700.00	1,659.55	1,619.55	1,619.55	8.88	54.89	72.81	-3,720.60	-1,748.11	4,003.34	3,939.66	63.68	62.866		
1,800.00	1,755.23	1,715.23	1,715.23	9.42	58.23	73.19	-3,720.60	-1,748.11	3,994.50	3,926.95	67.55	59.137		
1,900.00	1,850.92	1,810.92	1,810.92	9.97	61.56	73.58	-3,720.60	-1,748.11	3,985.85	3,914.43	71.42	55.809		
2,000.00	1,946.61	1,906.61	1,906.61	10.52	64.90	73.96	-3,720.60	-1,748.11	3,977.39	3,902.09	75.30	52.822		
2,100.00	2,042.29	2,002.29	2,002.29	11.07	68.23	74.35	-3,720.60	-1,748.11	3,969.13	3,889.95	79.18	50.127		
2,200.00	2,137.98	2,102.02	2,097.98	11.63	71.71	74.74	-3,720.60	-1,748.11	3,961.06	3,877.85	83.21	47.602		
2,300.00	2,233.67	2,206.33	2,193.67	12.19	75.35	75.13	-3,720.60	-1,748.11	3,953.20	3,865.79	87.41	45.228		
2,400.00	2,329.35	2,289.35	2,289.35	12.76	78.24	75.52	-3,720.60	-1,748.11	3,945.53	3,854.66	90.86	43.424		
2,500.00	2,425.04	2,385.04	2,385.04	13.32	81.58	75.91	-3,720.60	-1,748.11	3,938.05	3,843.29	94.76	41.558		
2,600.00	2,520.72	2,480.72	2,480.72	13.89	84.92	76.31	-3,720.60	-1,748.11	3,930.78	3,832.12	98.66	39.840		
2,700.00	2,616.41	2,576.41	2,576.41	14.46	88.26	76.70	-3,720.60	-1,748.11	3,923.72	3,821.15	102.57	38.254		
2,800.00	2,712.10	2,672.10	2,672.10	15.03	91.60	77.10	-3,720.60	-1,748.11	3,916.85	3,810.37	106.48	36.785		
2,900.00	2,807.78	2,767.78	2,767.78	15.60	94.93	77.50	-3,720.60	-1,748.11	3,910.19	3,799.80	110.39	35.422		
3,000.00	2,903.47	2,863.47	2,863.47	16.18	98.27	77.90	-3,720.60	-1,748.11	3,903.73	3,789.43	114.30	34.153		
3,100.00	2,999.16	2,959.16	2,959.16	16.75	101.61	78.30	-3,720.60	-1,748.11	3,897.48	3,779.26	118.22	32.969		
3,200.00	3,094.84	3,054.84	3,054.84	17.33	104.95	78.70	-3,720.60	-1,748.11	3,891.44	3,769.30	122.13	31.863		
3,300.00	3,190.53	3,150.53	3,150.53	17.90	108.29	79.10	-3,720.60	-1,748.11	3,885.60	3,759.55	126.05	30.826		
3,400.00	3,286.22	3,246.22	3,246.22	18.48	111.63	79.50	-3,720.60	-1,748.11	3,879.97	3,750.00	129.97	29.853		
3,500.00	3,381.90	3,341.90	3,341.90	19.06	114.97	79.91	-3,720.60	-1,748.11	3,874.55	3,740.67	133.89	28.939		
3,600.00	3,477.59	3,437.59	3,437.59	19.64	118.31	80.31	-3,720.60	-1,748.11	3,869.35	3,731.54	137.81	28.077		
3,700.00	3,573.28	3,533.28	3,533.28	20.22	121.65	80.72	-3,720.60	-1,748.11	3,864.35	3,722.62	141.73	27.265		
3,800.00	3,668.96	3,628.96	3,628.96	20.80	124.98	81.13	-3,720.60	-1,748.11	3,859.57	3,713.91	145.66	26.498		
3,900.00	3,764.65	3,724.65	3,724.65	21.38	128.32	81.54	-3,720.60	-1,748.11	3,855.00	3,705.42	149.58	25.772		
4,000.00	3,860.33	3,820.33	3,820.33	21.96	131.66	81.95	-3,720.60	-1,748.11	3,850.64	3,697.13	153.51	25.085		
4,100.00	3,956.02	3,916.02	3,916.02	22.54	135.00	82.36	-3,720.60	-1,748.11	3,846.50	3,689.06	157.43	24.433		
4,200.00	4,051.71	4,011.71	4,011.71	23.13	138.34	82.77	-3,720.60	-1,748.11	3,842.57	3,681.21	161.36	23.814		
4,300.00	4,147.39	4,107.39	4,107.39	23.71	141.68	83.18	-3,720.60	-1,748.11	3,838.86	3,673.57	165.29	23.225		
4,400.00	4,243.08	4,203.08	4,203.08	24.29	145.02	83.59	-3,720.60	-1,748.11	3,835.36	3,666.15	169.22	22.666		
4,500.00	4,338.77	4,301.23	4,298.77	24.88	148.45	84.01	-3,720.60	-1,748.11	3,832.09	3,658.86	173.23	22.121		
4,600.00	4,434.45	4,405.55	4,394.45	25.46	152.09	84.42	-3,720.60	-1,748.11	3,829.03	3,651.57	177.46	21.577		
4,700.00	4,530.14	4,509.86	4,490.14	26.04	155.73	84.83	-3,720.60	-1,748.11	3,826.18	3,644.49	181.69	21.059		
4,800.00	4,625.83	4,585.83	4,585.83	26.63	158.38	85.25	-3,720.60	-1,748.11	3,823.56	3,638.63	184.93	20.675		
4,900.00	4,721.51	4,681.51	4,681.51	27.21	161.72	85.67	-3,720.60	-1,748.11	3,821.16	3,632.29	188.86	20.232		
5,000.00	4,817.20	4,777.20	4,777.20	27.80	165.06	86.08	-3,720.60	-1,748.11	3,818.97	3,626.18	192.79	19.809		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,872.89	4,872.89	28.38	168.40	86.50	-3,720.60	-1,748.11	3,817.01	3,620.28	196.72	19.403		
5,200.00	5,008.57	4,968.57	4,968.57	28.97	171.74	86.91	-3,720.60	-1,748.11	3,815.26	3,614.61	200.66	19.014		
5,300.00	5,104.26	5,064.26	5,064.26	29.55	175.08	87.33	-3,720.60	-1,748.11	3,813.74	3,609.15	204.59	18.641		
5,400.00	5,199.94	5,159.94	5,159.94	30.14	178.42	87.75	-3,720.60	-1,748.11	3,812.44	3,603.92	208.52	18.284		
5,500.00	5,295.63	5,255.63	5,255.63	30.72	181.76	88.17	-3,720.60	-1,748.11	3,811.35	3,598.91	212.45	17.940		
5,600.00	5,391.32	5,351.32	5,351.32	31.31	185.10	88.58	-3,720.60	-1,748.11	3,810.49	3,594.11	216.38	17.610		
5,700.00	5,487.00	5,447.00	5,447.00	31.90	188.44	89.00	-3,720.60	-1,748.11	3,809.85	3,589.54	220.31	17.293		
5,800.00	5,582.69	5,542.69	5,542.69	32.48	191.78	89.42	-3,720.60	-1,748.11	3,809.44	3,585.20	224.24	16.988		
5,900.00	5,678.38	5,638.38	5,638.38	33.07	195.12	89.84	-3,720.60	-1,748.11	3,809.24	3,581.07	228.17	16.695		
5,938.65	5,715.36	5,675.36	5,675.36	33.29	196.41	90.00	-3,720.60	-1,748.11	3,809.22	3,579.53	229.69	16.584		
6,000.00	5,774.06	5,734.06	5,734.06	33.65	198.46	90.26	-3,720.60	-1,748.11	3,809.26	3,577.16	232.10	16.412		
6,100.00	5,869.75	5,829.75	5,829.75	34.24	201.80	90.67	-3,720.60	-1,748.11	3,809.51	3,573.48	236.03	16.140		
6,200.00	5,965.44	5,925.44	5,925.44	34.83	205.14	91.09	-3,720.60	-1,748.11	3,809.98	3,570.02	239.96	15.878		
6,300.00	6,061.12	6,021.12	6,021.12	35.41	208.48	91.51	-3,720.60	-1,748.11	3,810.67	3,566.78	243.89	15.625		
6,400.00	6,156.81	6,116.81	6,116.81	36.00	211.82	91.93	-3,720.60	-1,748.11	3,811.58	3,563.76	247.82	15.381		
6,500.00	6,252.50	6,212.50	6,212.50	36.59	215.16	92.35	-3,720.60	-1,748.11	3,812.71	3,560.97	251.75	15.145		
6,600.00	6,348.18	6,308.18	6,308.18	37.18	218.50	92.76	-3,720.60	-1,748.11	3,814.07	3,558.39	255.67	14.918		
6,636.04	6,382.67	6,342.67	6,342.67	37.39	219.70	92.91	-3,720.60	-1,748.11	3,814.61	3,557.52	257.09	14.838		
6,650.00	6,396.05	6,356.05	6,356.05	37.47	220.17	89.69	-3,720.60	-1,748.11	3,814.70	3,557.07	257.64	14.806		
6,700.00	6,444.38	6,404.38	6,404.38	37.74	221.86	75.20	-3,720.60	-1,748.11	3,813.10	3,553.51	259.59	14.689		
6,750.00	6,493.07	6,453.07	6,453.07	37.98	223.56	56.45	-3,720.60	-1,748.11	3,808.44	3,546.91	261.53	14.562		
6,800.00	6,541.82	6,501.82	6,501.82	38.18	225.26	36.51	-3,720.60	-1,748.11	3,800.73	3,537.30	263.44	14.428		
6,850.00	6,590.35	6,550.35	6,550.35	38.35	226.95	19.41	-3,720.60	-1,748.11	3,790.01	3,524.71	265.30	14.286		
6,900.00	6,638.34	6,601.66	6,598.34	38.50	228.74	6.50	-3,720.60	-1,748.11	3,776.33	3,509.09	267.24	14.131		
6,950.00	6,685.50	6,645.50	6,645.50	38.64	230.27	-3.04	-3,720.60	-1,748.11	3,759.77	3,490.86	268.91	13.981		
7,000.00	6,731.54	6,708.46	6,691.54	38.77	232.47	-10.36	-3,720.60	-1,748.11	3,740.42	3,469.19	271.24	13.790		
7,050.00	6,776.18	6,736.18	6,736.18	38.90	233.44	-16.31	-3,720.60	-1,748.11	3,718.42	3,446.09	272.33	13.654		
7,100.00	6,819.14	6,779.14	6,779.14	39.03	234.94	-21.47	-3,720.60	-1,748.11	3,693.91	3,419.95	273.96	13.483		
7,150.00	6,860.16	6,820.16	6,820.16	39.16	236.37	-26.21	-3,720.60	-1,748.11	3,667.06	3,391.53	275.52	13.309		
7,200.00	6,898.98	6,858.98	6,858.98	39.31	237.72	-30.79	-3,720.60	-1,748.11	3,638.04	3,361.03	277.02	13.133		
7,250.00	6,935.36	6,904.64	6,895.36	39.47	239.32	-35.39	-3,720.60	-1,748.11	3,607.07	3,328.31	278.76	12.940		
7,300.00	6,969.08	6,929.08	6,929.08	39.65	240.17	-40.13	-3,720.60	-1,748.11	3,574.37	3,294.59	279.77	12.776		
7,350.00	6,999.94	6,959.94	6,959.94	39.85	241.25	-45.09	-3,720.60	-1,748.11	3,540.16	3,259.13	281.03	12.597		
7,400.00	7,027.74	6,987.74	6,987.74	40.08	242.22	-50.31	-3,720.60	-1,748.11	3,504.70	3,222.51	282.19	12.420		
7,450.00	7,052.31	7,012.31	7,012.31	40.34	243.08	-55.80	-3,720.60	-1,748.11	3,468.25	3,184.99	283.26	12.244		
7,500.00	7,073.49	7,033.49	7,033.49	40.63	243.82	-61.49	-3,720.60	-1,748.11	3,431.07	3,146.84	284.23	12.071		
7,550.00	7,091.17	7,051.17	7,051.17	40.95	244.43	-67.30	-3,720.60	-1,748.11	3,393.44	3,108.34	285.11	11.902		
7,600.00	7,105.22	7,065.22	7,065.22	41.31	244.92	-73.09	-3,720.60	-1,748.11	3,355.64	3,069.76	285.88	11.738		
7,650.00	7,115.57	7,075.57	7,075.57	41.71	245.29	-78.72	-3,720.60	-1,748.11	3,317.94	3,031.40	286.54	11.579		
7,700.00	7,122.15	7,082.15	7,082.15	42.15	245.51	-84.05	-3,720.60	-1,748.11	3,280.62	2,993.51	287.10	11.427		
7,750.00	7,124.91	7,084.91	7,084.91	42.62	245.61	-88.97	-3,720.60	-1,748.11	3,243.94	2,956.39	287.56	11.281		
7,759.54	7,125.00	7,085.00	7,085.00	42.72	245.61	-89.86	-3,720.60	-1,748.11	3,237.04	2,949.41	287.63	11.254		
7,800.00	7,125.10	7,085.10	7,085.10	43.13	245.62	-89.86	-3,720.60	-1,748.11	3,207.96	2,920.02	287.95	11.141		
7,900.00	7,125.34	7,085.34	7,085.34	44.28	245.63	-89.87	-3,720.60	-1,748.11	3,137.18	2,848.36	288.82	10.862		
8,000.00	7,125.58	7,085.58	7,085.58	45.61	245.63	-89.87	-3,720.60	-1,748.11	3,068.03	2,778.18	289.85	10.585		
8,100.00	7,125.82	7,085.82	7,085.82	47.10	245.64	-89.88	-3,720.60	-1,748.11	3,000.61	2,709.60	291.01	10.311		
8,200.00	7,126.06	7,086.06	7,086.06	48.72	245.65	-89.88	-3,720.60	-1,748.11	2,935.05	2,642.72	292.33	10.040		
8,300.00	7,126.30	7,086.30	7,086.30	50.48	245.66	-89.89	-3,720.60	-1,748.11	2,871.48	2,577.67	293.81	9.773		
8,400.00	7,126.54	7,086.54	7,086.54	52.34	245.67	-89.90	-3,720.60	-1,748.11	2,810.03	2,514.59	295.44	9.511		
8,500.00	7,126.78	7,086.78	7,086.78	54.30	245.68	-89.90	-3,720.60	-1,748.11	2,750.85	2,453.62	297.23	9.255		
8,600.00	7,127.02	7,087.02	7,087.02	56.35	245.68	-89.91	-3,720.60	-1,748.11	2,694.07	2,394.90	299.17	9.005		
8,700.00	7,127.26	7,087.26	7,087.26	58.47	245.69	-89.91	-3,720.60	-1,748.11	2,639.87	2,338.61	301.26	8.763		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,087.50	7,087.50	60.66	245.70	-89.92	-3,720.60	-1,748.11	2,588.39	2,284.90	303.49	8.529		
8,900.00	7,127.74	7,087.74	7,087.74	62.90	245.71	-89.93	-3,720.60	-1,748.11	2,539.81	2,233.95	305.86	8.304		
9,000.00	7,127.98	7,087.98	7,087.98	65.19	245.72	-89.93	-3,720.60	-1,748.11	2,494.30	2,185.95	308.35	8.089		
9,100.00	7,128.22	7,088.22	7,088.22	67.53	245.73	-89.94	-3,720.60	-1,748.11	2,452.02	2,141.07	310.94	7.886		
9,200.00	7,128.46	7,088.46	7,088.46	69.92	245.73	-89.95	-3,720.60	-1,748.11	2,413.14	2,099.51	313.63	7.694		
9,300.00	7,128.70	7,088.70	7,088.70	72.33	245.74	-89.95	-3,720.60	-1,748.11	2,377.84	2,061.45	316.39	7.516		
9,400.00	7,128.94	7,088.94	7,088.94	74.78	245.75	-89.96	-3,720.60	-1,748.11	2,346.28	2,027.08	319.20	7.350		
9,500.00	7,129.18	7,089.18	7,089.18	77.26	245.76	-89.96	-3,720.60	-1,748.11	2,318.60	1,996.56	322.04	7.200		
9,600.00	7,129.42	7,089.42	7,089.42	79.76	245.77	-89.97	-3,720.60	-1,748.11	2,294.94	1,970.06	324.88	7.064		
9,700.00	7,129.66	7,089.66	7,089.66	82.29	245.78	-89.98	-3,720.60	-1,748.11	2,275.44	1,947.74	327.70	6.944		
9,800.00	7,129.90	7,089.90	7,089.90	84.84	245.79	-89.98	-3,720.60	-1,748.11	2,260.20	1,929.72	330.48	6.839		
9,900.00	7,130.14	7,109.86	7,090.14	87.41	246.48	-89.99	-3,720.60	-1,748.11	2,249.31	1,915.43	333.87	6.737		
10,000.00	7,130.38	7,109.62	7,090.38	90.00	246.47	-89.99	-3,720.60	-1,748.11	2,242.82	1,906.36	336.46	6.666		
10,095.64	7,130.60	7,109.40	7,090.60	92.49	246.47	-90.00	-3,720.60	-1,748.11	2,240.78	1,901.95	338.84	6.613 CC		
10,100.00	7,130.62	7,109.38	7,090.62	92.60	246.47	-90.00	-3,720.60	-1,748.11	2,240.78	1,901.84	338.94	6.611 ES		
10,200.00	7,130.86	7,109.15	7,090.86	95.22	246.46	-90.01	-3,720.60	-1,748.11	2,243.21	1,901.93	341.28	6.573		
10,300.00	7,131.09	7,108.91	7,091.09	97.85	246.45	-90.01	-3,720.60	-1,748.11	2,250.08	1,906.61	343.47	6.551		
10,400.00	7,131.33	7,108.67	7,091.33	100.50	246.44	-90.02	-3,720.60	-1,748.11	2,261.36	1,915.87	345.49	6.545 SF		
10,500.00	7,131.57	7,108.43	7,091.57	103.16	246.43	-90.02	-3,720.60	-1,748.11	2,276.97	1,929.64	347.33	6.556		
10,600.00	7,131.81	7,108.19	7,091.81	105.82	246.42	-90.03	-3,720.60	-1,748.11	2,296.84	1,947.84	349.00	6.581		
10,700.00	7,132.05	7,107.95	7,092.05	108.50	246.42	-90.04	-3,720.60	-1,748.11	2,320.85	1,970.37	350.48	6.622		
10,800.00	7,132.29	7,107.71	7,092.29	111.19	246.41	-90.04	-3,720.60	-1,748.11	2,348.88	1,997.09	351.78	6.677		
10,900.00	7,132.53	7,107.47	7,092.53	113.88	246.40	-90.05	-3,720.60	-1,748.11	2,380.77	2,027.87	352.91	6.746		
11,000.00	7,132.77	7,107.23	7,092.77	116.58	246.39	-90.06	-3,720.60	-1,748.11	2,416.39	2,062.53	353.86	6.829		
11,100.00	7,133.01	7,106.99	7,093.01	119.29	246.38	-90.06	-3,720.60	-1,748.11	2,455.57	2,100.92	354.65	6.924		
11,200.00	7,133.25	7,106.75	7,093.25	122.01	246.37	-90.07	-3,720.60	-1,748.11	2,498.14	2,142.85	355.29	7.031		
11,300.00	7,133.49	7,106.51	7,093.49	124.73	246.36	-90.07	-3,720.60	-1,748.11	2,543.93	2,188.14	355.79	7.150		
11,400.00	7,133.73	7,106.27	7,093.73	127.46	246.36	-90.08	-3,720.60	-1,748.11	2,592.77	2,236.61	356.16	7.280		
11,500.00	7,133.97	7,106.03	7,093.97	130.19	246.35	-90.09	-3,720.60	-1,748.11	2,644.49	2,288.08	356.41	7.420		
11,600.00	7,134.21	7,105.79	7,094.21	132.93	246.34	-90.09	-3,720.60	-1,748.11	2,698.92	2,342.37	356.56	7.569		
11,700.00	7,134.45	7,105.55	7,094.45	135.68	246.33	-90.10	-3,720.60	-1,748.11	2,755.91	2,399.30	356.61	7.728		
11,800.00	7,134.69	7,105.31	7,094.69	138.43	246.32	-90.10	-3,720.60	-1,748.11	2,815.30	2,458.72	356.58	7.895		
11,900.00	7,134.93	7,105.07	7,094.93	141.18	246.31	-90.11	-3,720.60	-1,748.11	2,876.94	2,520.47	356.47	8.071		
12,000.00	7,135.17	7,104.83	7,095.17	143.94	246.31	-90.12	-3,720.60	-1,748.11	2,940.69	2,584.38	356.31	8.253		
12,100.00	7,135.41	7,104.59	7,095.41	146.70	246.30	-90.12	-3,720.60	-1,748.11	3,006.41	2,650.33	356.08	8.443		
12,200.00	7,135.65	7,104.35	7,095.65	149.46	246.29	-90.13	-3,720.60	-1,748.11	3,073.99	2,718.17	355.82	8.639		
12,300.00	7,135.89	7,104.11	7,095.89	152.23	246.28	-90.14	-3,720.60	-1,748.11	3,143.29	2,787.78	355.51	8.842		
12,400.00	7,136.13	7,103.87	7,096.13	155.00	246.27	-90.14	-3,720.60	-1,748.11	3,214.21	2,859.04	355.17	9.050		
12,500.00	7,136.37	7,103.63	7,096.37	157.78	246.26	-90.15	-3,720.60	-1,748.11	3,286.64	2,931.84	354.80	9.263		
12,600.00	7,136.61	7,103.39	7,096.61	160.55	246.26	-90.15	-3,720.60	-1,748.11	3,360.49	3,006.08	354.40	9.482		
12,700.00	7,136.85	7,103.15	7,096.85	163.33	246.25	-90.16	-3,720.60	-1,748.11	3,435.66	3,081.66	354.00	9.705		
12,800.00	7,137.09	7,102.91	7,097.09	166.12	246.24	-90.17	-3,720.60	-1,748.11	3,512.07	3,158.49	353.57	9.933		
12,900.00	7,137.33	7,102.67	7,097.33	168.90	246.23	-90.17	-3,720.60	-1,748.11	3,589.64	3,236.50	353.14	10.165		
13,000.00	7,137.57	7,102.43	7,097.57	171.69	246.22	-90.18	-3,720.60	-1,748.11	3,668.29	3,315.59	352.70	10.401		
13,100.00	7,137.81	7,102.19	7,097.81	174.48	246.21	-90.18	-3,720.60	-1,748.11	3,747.96	3,395.71	352.25	10.640		
13,200.00	7,138.05	7,101.95	7,098.05	177.27	246.21	-90.19	-3,720.60	-1,748.11	3,828.59	3,476.79	351.80	10.883		
13,300.00	7,138.29	7,101.71	7,098.29	180.07	246.20	-90.20	-3,720.60	-1,748.11	3,910.11	3,558.76	351.35	11.129		
13,400.00	7,138.53	7,101.47	7,098.53	182.86	246.19	-90.20	-3,720.60	-1,748.11	3,992.47	3,641.57	350.90	11.378		
13,500.00	7,138.77	7,101.23	7,098.77	185.66	246.18	-90.21	-3,720.60	-1,748.11	4,075.62	3,725.16	350.46	11.629		
13,600.00	7,139.01	7,100.99	7,099.01	188.46	246.17	-90.21	-3,720.60	-1,748.11	4,159.51	3,809.50	350.02	11.884		
13,700.00	7,139.25	7,100.75	7,099.25	191.26	246.16	-90.22	-3,720.60	-1,748.11	4,244.10	3,894.53	349.58	12.141		
13,800.00	7,139.49	7,100.51	7,099.49	194.06	246.16	-90.23	-3,720.60	-1,748.11	4,329.35	3,980.21	349.14	12.400		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,100.27	7,099.73	196.87	246.15	-90.23	-3,720.60	-1,748.11	4,415.22	4,066.50	348.72	12.661		
14,000.00	7,139.97	7,100.03	7,099.97	199.68	246.14	-90.24	-3,720.60	-1,748.11	4,501.67	4,153.37	348.30	12.925		
14,100.00	7,140.21	7,100.21	7,100.21	202.48	246.15	-90.25	-3,720.60	-1,748.11	4,588.67	4,240.77	347.90	13.190		
14,200.00	7,140.45	7,100.45	7,100.45	205.29	246.15	-90.25	-3,720.60	-1,748.11	4,676.19	4,328.68	347.51	13.456		
14,300.00	7,140.69	7,100.69	7,100.69	208.10	246.16	-90.26	-3,720.60	-1,748.11	4,764.20	4,417.08	347.13	13.725		
14,400.00	7,140.93	7,100.93	7,100.93	210.91	246.17	-90.26	-3,720.60	-1,748.11	4,852.68	4,505.93	346.75	13.995		
14,500.00	7,141.17	7,101.17	7,101.17	213.73	246.18	-90.27	-3,720.60	-1,748.11	4,941.60	4,595.21	346.39	14.266		
14,600.00	7,141.41	7,101.41	7,101.41	216.54	246.19	-90.28	-3,720.60	-1,748.11	5,030.93	4,684.90	346.03	14.539		
14,700.00	7,141.65	7,101.65	7,101.65	219.36	246.20	-90.28	-3,720.60	-1,748.11	5,120.65	4,774.97	345.68	14.813		
14,800.00	7,141.89	7,101.89	7,101.89	222.17	246.20	-90.29	-3,720.60	-1,748.11	5,210.75	4,865.42	345.34	15.089		
14,900.00	7,142.13	7,102.13	7,102.13	224.99	246.21	-90.29	-3,720.60	-1,748.11	5,301.21	4,956.21	345.00	15.366		
15,000.00	7,142.36	7,102.36	7,102.36	227.81	246.22	-90.30	-3,720.60	-1,748.11	5,392.00	5,047.32	344.68	15.644		
15,100.00	7,142.60	7,102.60	7,102.60	230.63	246.23	-90.31	-3,720.60	-1,748.11	5,483.12	5,138.75	344.36	15.923		
15,200.00	7,142.84	7,102.84	7,102.84	233.45	246.24	-90.31	-3,720.60	-1,748.11	5,574.53	5,230.48	344.05	16.203		
15,300.00	7,143.08	7,103.08	7,103.08	236.27	246.25	-90.32	-3,720.60	-1,748.11	5,666.24	5,322.49	343.75	16.484		
15,400.00	7,143.32	7,103.32	7,103.32	239.09	246.25	-90.33	-3,720.60	-1,748.11	5,758.23	5,414.77	343.46	16.765		
15,500.00	7,143.56	7,103.56	7,103.56	241.91	246.26	-90.33	-3,720.60	-1,748.11	5,850.47	5,507.30	343.17	17.048		
15,600.00	7,143.80	7,103.80	7,103.80	244.73	246.27	-90.34	-3,720.60	-1,748.11	5,942.97	5,600.08	342.89	17.332		
15,700.00	7,144.04	7,104.04	7,104.04	247.56	246.28	-90.34	-3,720.60	-1,748.11	6,035.71	5,693.09	342.62	17.616		
15,800.00	7,144.28	7,104.28	7,104.28	250.38	246.29	-90.35	-3,720.60	-1,748.11	6,128.67	5,786.31	342.36	17.901		
15,900.00	7,144.52	7,104.52	7,104.52	253.21	246.30	-90.36	-3,720.60	-1,748.11	6,221.86	5,879.75	342.10	18.187		
16,000.00	7,144.76	7,104.76	7,104.76	256.03	246.30	-90.36	-3,720.60	-1,748.11	6,315.25	5,973.40	341.85	18.474		
16,100.00	7,145.00	7,105.00	7,105.00	258.86	246.31	-90.37	-3,720.60	-1,748.11	6,408.84	6,067.23	341.61	18.761		
16,200.00	7,145.24	7,105.24	7,105.24	261.69	246.32	-90.37	-3,720.60	-1,748.11	6,502.62	6,161.25	341.37	19.049		
16,300.00	7,145.48	7,105.48	7,105.48	264.52	246.33	-90.38	-3,720.60	-1,748.11	6,596.59	6,255.44	341.14	19.337		
16,400.00	7,145.72	7,105.72	7,105.72	267.35	246.34	-90.39	-3,720.60	-1,748.11	6,690.73	6,349.81	340.92	19.626		
16,500.00	7,145.96	7,105.96	7,105.96	270.18	246.35	-90.39	-3,720.60	-1,748.11	6,785.03	6,444.33	340.70	19.915		
16,600.00	7,146.20	7,106.20	7,106.20	273.01	246.35	-90.40	-3,720.60	-1,748.11	6,879.50	6,539.01	340.49	20.205		
16,700.00	7,146.44	7,106.44	7,106.44	275.84	246.36	-90.40	-3,720.60	-1,748.11	6,974.12	6,633.84	340.28	20.495		
16,800.00	7,146.68	7,106.68	7,106.68	278.67	246.37	-90.41	-3,720.60	-1,748.11	7,068.89	6,728.81	340.08	20.786		
16,900.00	7,146.92	7,106.92	7,106.92	281.50	246.38	-90.42	-3,720.60	-1,748.11	7,163.81	6,823.92	339.89	21.077		
17,000.00	7,147.16	7,107.16	7,107.16	284.33	246.39	-90.42	-3,720.60	-1,748.11	7,258.86	6,919.15	339.70	21.368		
17,100.00	7,147.40	7,107.40	7,107.40	287.16	246.40	-90.43	-3,720.60	-1,748.11	7,354.04	7,014.52	339.52	21.660		
17,200.00	7,147.64	7,107.64	7,107.64	290.00	246.40	-90.44	-3,720.60	-1,748.11	7,449.34	7,110.00	339.34	21.952		
17,300.00	7,147.88	7,107.88	7,107.88	292.83	246.41	-90.44	-3,720.60	-1,748.11	7,544.77	7,205.60	339.17	22.245		
17,400.00	7,148.12	7,108.12	7,108.12	295.66	246.42	-90.45	-3,720.60	-1,748.11	7,640.32	7,301.32	339.00	22.538		
17,500.00	7,148.36	7,108.36	7,108.36	298.50	246.43	-90.45	-3,720.60	-1,748.11	7,735.98	7,397.14	338.84	22.831		
17,600.00	7,148.60	7,108.60	7,108.60	301.33	246.44	-90.46	-3,720.60	-1,748.11	7,831.74	7,493.06	338.68	23.124		
17,700.00	7,148.84	7,108.84	7,108.84	304.17	246.45	-90.47	-3,720.60	-1,748.11	7,927.61	7,589.08	338.53	23.418		
17,800.00	7,149.08	7,109.08	7,109.08	307.00	246.45	-90.47	-3,720.60	-1,748.11	8,023.58	7,685.20	338.38	23.712		
17,900.00	7,149.32	7,109.32	7,109.32	309.84	246.46	-90.48	-3,720.60	-1,748.11	8,119.65	7,781.42	338.24	24.006		
18,000.00	7,149.56	7,109.56	7,109.56	312.68	246.47	-90.48	-3,720.60	-1,748.11	8,215.82	7,877.72	338.10	24.300		
18,100.00	7,149.80	7,109.80	7,109.80	315.51	246.48	-90.49	-3,720.60	-1,748.11	8,312.07	7,974.11	337.96	24.595		
18,200.00	7,150.04	7,110.04	7,110.04	318.35	246.49	-90.50	-3,720.60	-1,748.11	8,408.41	8,070.58	337.83	24.890		
18,300.00	7,150.28	7,110.28	7,110.28	321.19	246.50	-90.50	-3,720.60	-1,748.11	8,504.83	8,167.13	337.70	25.185		
18,400.00	7,150.52	7,110.52	7,110.52	324.03	246.50	-90.51	-3,720.60	-1,748.11	8,601.34	8,263.76	337.58	25.480		
18,500.00	7,150.76	7,110.76	7,110.76	326.86	246.51	-90.52	-3,720.60	-1,748.11	8,697.93	8,360.47	337.46	25.775		
18,600.00	7,151.00	7,111.00	7,111.00	329.70	246.52	-90.52	-3,720.60	-1,748.11	8,794.59	8,457.25	337.34	26.070		
18,700.00	7,151.24	7,111.24	7,111.24	332.54	246.53	-90.53	-3,720.60	-1,748.11	8,891.33	8,554.10	337.23	26.366		
18,800.00	7,151.48	7,111.48	7,111.48	335.38	246.54	-90.53	-3,720.60	-1,748.11	8,988.13	8,651.01	337.12	26.661		
18,900.00	7,151.72	7,111.72	7,111.72	338.22	246.55	-90.54	-3,720.60	-1,748.11	9,085.01	8,747.99	337.02	26.957		
19,000.00	7,151.96	7,111.96	7,111.96	341.06	246.56	-90.55	-3,720.60	-1,748.11	9,181.95	8,845.04	336.92	27.253		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	7,112.00	7,112.00	341.58	246.56	-90.55	-3,720.60	-1,748.11	9,199.70	8,862.80	336.90	27.307	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	138.23	-567.58	506.99	761.12					
100.00	100.00	93.67	93.67	3.28	0.21	138.26	-567.62	506.52	760.77	757.28	3.49	217.839		
200.00	200.00	198.89	198.88	3.34	0.44	138.35	-567.73	504.88	759.81	756.03	3.78	201.126		
300.00	299.98	304.01	303.96	3.44	0.68	1.28	-567.91	502.07	756.43	752.31	4.12	183.708		
400.00	399.84	413.03	412.91	3.59	1.07	1.47	-567.45	498.47	748.71	744.03	4.68	160.076		
500.00	499.45	516.86	516.67	3.80	1.52	1.51	-564.71	495.92	736.40	731.07	5.33	138.034		
600.00	598.70	618.42	618.15	4.04	1.96	1.48	-561.09	493.83	720.23	714.21	6.02	119.645		
700.00	697.47	719.17	718.79	4.32	2.40	1.38	-556.65	492.14	700.24	693.50	6.73	103.977		
800.00	795.62	818.94	818.41	4.65	2.83	1.21	-551.39	490.84	676.47	668.99	7.47	90.516		
900.00	893.06	915.90	915.21	5.01	3.26	1.00	-545.82	489.82	649.14	640.92	8.22	78.923		
1,000.00	989.64	1,014.97	1,014.09	5.42	3.69	0.77	-539.88	488.32	618.01	609.00	9.01	68.593		
1,044.50	1,032.32	1,056.73	1,055.77	5.61	3.88	0.72	-537.61	487.27	602.99	593.63	9.36	64.429		
1,100.00	1,085.43	1,113.72	1,112.66	5.86	4.13	0.71	-534.91	485.27	583.79	573.98	9.81	59.507		
1,200.00	1,181.11	1,229.26	1,227.75	6.33	4.64	0.77	-527.57	478.48	546.54	535.86	10.68	51.184		
1,300.00	1,276.80	1,338.55	1,336.23	6.81	5.13	0.76	-517.34	469.89	506.01	494.50	11.51	43.951		
1,400.00	1,372.49	1,444.84	1,441.19	7.31	5.62	0.53	-503.63	460.37	462.40	450.08	12.32	37.521		
1,500.00	1,468.17	1,542.77	1,537.37	7.83	6.06	-0.07	-487.58	451.32	416.28	403.17	13.11	31.764		
1,600.00	1,563.86	1,629.44	1,622.23	8.35	6.46	-1.08	-471.49	444.24	369.44	355.55	13.88	26.613		
1,700.00	1,659.55	1,724.05	1,714.67	8.88	6.90	-2.74	-452.74	436.90	322.16	307.50	14.66	21.979		
1,800.00	1,755.23	1,810.40	1,798.95	9.42	7.31	-4.63	-435.63	429.22	274.39	258.93	15.46	17.747		
1,900.00	1,850.92	1,896.58	1,883.23	9.97	7.71	-6.97	-419.54	421.07	227.28	210.99	16.29	13.952		
2,000.00	1,946.61	1,983.83	1,968.62	10.52	8.13	-10.75	-403.20	413.71	181.31	164.16	17.15	10.571		
2,100.00	2,042.29	2,072.02	2,054.76	11.07	8.55	-17.57	-385.63	406.80	136.30	118.22	18.09	7.535		
2,200.00	2,137.98	2,159.65	2,140.50	11.63	8.97	-29.61	-369.05	399.47	94.26	75.01	19.25	4.896		
2,300.00	2,233.67	2,246.99	2,226.02	12.19	9.38	-54.71	-352.72	392.62	61.51	40.46	21.04	2.923		
2,360.23	2,291.30	2,299.41	2,277.32	12.53	9.64	-79.10	-342.52	389.11	54.20	32.06	22.15	2.447 CC, ES, SF		
2,400.00	2,329.35	2,334.14	2,311.28	12.76	9.80	-95.92	-335.54	387.06	57.51	35.13	22.38	2.570		
2,500.00	2,425.04	2,423.89	2,399.19	13.32	10.23	-126.07	-318.27	381.88	85.03	62.67	22.36	3.803		
2,600.00	2,520.72	2,511.57	2,485.16	13.89	10.64	-140.26	-301.71	377.02	124.12	101.47	22.65	5.480		
2,700.00	2,616.41	2,597.01	2,568.71	14.46	11.05	-147.40	-284.39	372.61	168.02	144.86	23.16	7.256		
2,800.00	2,712.10	2,686.79	2,656.39	15.03	11.49	-151.83	-265.67	367.85	213.81	189.86	23.94	8.930		
2,900.00	2,807.78	2,772.22	2,739.86	15.60	11.90	-154.78	-248.28	362.61	260.09	235.45	24.64	10.557		
3,000.00	2,903.47	2,861.17	2,826.66	16.18	12.33	-157.13	-229.97	356.11	307.35	281.89	25.46	12.072		
3,100.00	2,999.16	2,949.70	2,913.18	16.75	12.76	-158.99	-212.56	349.09	354.37	328.09	26.28	13.484		
3,200.00	3,094.84	3,046.39	3,007.85	17.33	13.23	-160.68	-194.67	340.92	400.89	373.61	27.28	14.695		
3,300.00	3,190.53	3,145.74	3,105.62	17.90	13.70	-162.15	-179.01	332.91	445.20	416.89	28.30	15.729		
3,400.00	3,286.22	3,242.37	3,201.03	18.48	14.16	-163.28	-165.29	326.09	487.97	458.71	29.26	16.679		
3,500.00	3,381.90	3,344.56	3,302.19	19.06	14.63	-164.20	-152.07	320.20	529.29	499.01	30.28	17.477		
3,600.00	3,477.59	3,451.46	3,408.36	19.64	15.11	-165.09	-140.97	314.62	568.38	537.03	31.35	18.130		
3,700.00	3,573.28	3,556.85	3,513.30	20.22	15.58	-165.93	-132.69	309.68	605.27	572.90	32.37	18.700		
3,800.00	3,668.96	3,668.59	3,624.77	20.80	16.06	-166.59	-125.51	306.66	640.20	606.77	33.43	19.150		
3,900.00	3,764.65	3,780.09	3,736.16	21.38	16.53	-167.04	-120.81	306.90	671.86	637.40	34.46	19.496		
4,000.00	3,860.33	3,878.26	3,834.27	21.96	16.94	-167.35	-117.52	308.10	702.42	667.06	35.36	19.866		
4,100.00	3,956.02	3,976.16	3,932.12	22.54	17.35	-167.67	-114.63	309.16	732.74	696.49	36.25	20.212		
4,200.00	4,051.71	4,073.43	4,029.38	23.13	17.75	-168.07	-112.81	309.16	762.73	725.59	37.14	20.535		
4,300.00	4,147.39	4,170.78	4,126.72	23.71	18.16	-168.49	-111.49	308.78	792.53	754.50	38.04	20.836		
4,400.00	4,243.08	4,276.26	4,232.19	24.29	18.59	-168.96	-111.12	308.05	821.71	782.73	38.98	21.079		
4,500.00	4,338.77	4,374.02	4,329.92	24.88	18.97	-169.49	-112.37	306.31	850.18	810.33	39.85	21.333		
4,600.00	4,434.45	4,481.62	4,437.48	25.46	19.39	-170.06	-114.62	304.61	877.95	837.16	40.79	21.524		
4,700.00	4,530.14	4,586.36	4,542.16	26.04	19.79	-170.58	-118.13	303.76	904.35	862.65	41.70	21.688		
4,800.00	4,625.83	4,673.70	4,629.47	26.63	20.14	-170.96	-120.61	303.29	931.07	888.58	42.49	21.913		
4,900.00	4,721.51	4,762.00	4,717.76	27.21	20.48	-171.25	-121.79	303.24	958.76	915.47	43.29	22.149		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,858.97	4,814.73	27.80	20.86	-171.51	-122.41	303.74	986.73	942.58	44.15	22.349		
5,100.00	4,912.89	4,955.83	4,911.58	28.38	21.25	-171.74	-123.03	304.39	1,014.63	969.62	45.01	22.540		
5,200.00	5,008.57	5,053.19	5,008.94	28.97	21.64	-171.98	-123.95	304.79	1,042.44	996.56	45.88	22.719		
5,300.00	5,104.26	5,146.94	5,102.68	29.55	22.01	-172.22	-125.07	305.04	1,070.16	1,023.43	46.73	22.901		
5,400.00	5,199.94	5,230.23	5,185.96	30.14	22.35	-172.45	-125.81	304.42	1,098.70	1,051.20	47.50	23.131		
5,500.00	5,295.63	5,315.58	5,271.31	30.72	22.70	-172.65	-125.59	303.65	1,128.23	1,079.94	48.29	23.362		
5,600.00	5,391.32	5,406.07	5,361.78	31.31	23.08	-172.82	-124.49	303.02	1,158.40	1,109.26	49.14	23.575		
5,700.00	5,487.00	5,492.51	5,448.21	31.90	23.45	-173.00	-123.38	301.66	1,189.13	1,139.19	49.94	23.810		
5,800.00	5,582.69	5,618.70	5,574.38	32.48	23.98	-173.26	-122.69	300.00	1,219.21	1,168.10	51.10	23.859		
5,900.00	5,678.38	5,732.48	5,688.15	33.07	24.44	-173.48	-124.31	300.43	1,246.69	1,194.58	52.11	23.922		
6,000.00	5,774.06	5,821.89	5,777.55	33.65	24.80	-173.66	-125.79	300.47	1,274.28	1,221.34	52.93	24.073		
6,100.00	5,869.75	5,912.59	5,868.23	34.24	25.17	-173.75	-125.92	301.76	1,302.24	1,248.47	53.77	24.220		
6,200.00	5,965.44	6,001.12	5,956.76	34.83	25.54	-173.83	-125.66	302.74	1,330.73	1,276.14	54.58	24.380		
6,300.00	6,061.12	6,093.98	6,049.62	35.41	25.93	-173.92	-125.21	303.34	1,359.63	1,304.19	55.44	24.525		
6,400.00	6,156.81	6,194.30	6,149.93	36.00	26.34	-174.04	-125.09	303.67	1,388.44	1,332.08	56.36	24.637		
6,500.00	6,252.50	6,291.57	6,247.20	36.59	26.74	-174.17	-125.55	303.81	1,416.90	1,359.66	57.24	24.753		
6,600.00	6,348.18	6,382.04	6,337.67	37.18	27.11	-174.30	-125.89	303.65	1,445.63	1,387.56	58.08	24.892		
6,636.04	6,382.67	6,415.16	6,370.79	37.39	27.25	-174.34	-125.96	303.56	1,456.06	1,397.68	58.38	24.940		
6,650.00	6,396.05	7,833.80	7,238.23	37.47	36.88	-148.73	-110.47	1,127.16	1,454.37	1,394.35	60.02	24.229		
6,700.00	6,444.38	7,842.55	7,238.53	37.74	37.02	-161.16	-110.23	1,135.90	1,435.77	1,374.28	61.49	23.351		
6,750.00	6,493.07	7,847.31	7,238.70	37.98	37.10	-177.94	-110.10	1,140.66	1,418.38	1,355.52	62.86	22.564		
6,800.00	6,541.82	7,847.88	7,238.72	38.18	37.11	163.98	-110.09	1,141.23	1,402.39	1,338.26	64.13	21.867		
6,850.00	6,590.35	7,844.08	7,238.59	38.35	37.05	148.62	-110.19	1,137.43	1,387.96	1,322.67	65.29	21.259		
6,900.00	6,638.34	7,835.74	7,238.29	38.50	36.91	137.30	-110.41	1,129.10	1,375.20	1,308.89	66.31	20.739		
6,950.00	6,685.50	7,822.73	7,237.87	38.64	36.71	129.25	-110.79	1,116.11	1,364.15	1,296.96	67.19	20.303		
7,000.00	6,731.54	7,804.95	7,237.35	38.77	36.43	123.34	-111.37	1,098.33	1,354.81	1,286.90	67.92	19.949		
7,050.00	6,776.18	7,784.80	7,236.79	38.90	36.13	118.87	-112.07	1,078.21	1,347.15	1,278.60	68.55	19.652		
7,100.00	6,819.14	7,761.47	7,236.10	39.03	35.80	115.27	-112.87	1,054.91	1,341.08	1,272.01	69.06	19.418		
7,150.00	6,860.16	7,734.82	7,235.26	39.16	35.42	112.22	-113.79	1,028.28	1,336.49	1,267.03	69.46	19.242		
7,200.00	6,898.98	7,709.00	7,234.38	39.31	35.05	109.67	-114.67	1,002.49	1,333.23	1,263.43	69.80	19.101		
7,250.00	6,935.36	7,691.52	7,233.78	39.47	34.82	107.73	-115.14	985.03	1,331.38	1,261.12	70.26	18.948		
7,289.21	6,962.05	7,678.35	7,233.33	39.61	34.65	106.37	-115.33	971.87	1,330.95	1,260.34	70.61	18.848		
7,300.00	6,969.08	7,674.59	7,233.20	39.65	34.60	106.02	-115.36	968.11	1,330.98	1,260.28	70.70	18.825		
7,350.00	6,999.94	7,655.75	7,232.57	39.85	34.35	104.41	-115.33	949.28	1,331.93	1,260.84	71.09	18.736		
7,400.00	7,027.74	7,613.02	7,230.81	40.08	33.85	102.34	-114.97	906.59	1,333.75	1,262.63	71.12	18.754		
7,450.00	7,052.31	7,578.98	7,228.71	40.34	33.43	100.67	-114.70	872.62	1,335.92	1,264.66	71.26	18.748		
7,500.00	7,073.49	7,468.29	7,212.23	40.63	32.30	97.34	-114.55	763.41	1,337.52	1,267.12	70.40	18.999		
7,550.00	7,091.17	7,383.84	7,186.18	40.95	31.58	94.65	-116.38	683.14	1,337.70	1,267.67	70.02	19.103		
7,600.00	7,105.22	7,309.96	7,155.91	41.31	31.07	92.37	-119.47	615.86	1,336.86	1,266.99	69.87	19.133		
7,650.00	7,115.57	7,264.46	7,133.10	41.71	30.79	90.96	-121.87	576.59	1,335.40	1,265.30	70.09	19.052		
7,700.00	7,122.15	7,237.23	7,117.61	42.15	30.64	90.16	-123.09	554.23	1,334.12	1,263.53	70.59	18.899		
7,750.00	7,124.91	7,211.19	7,101.48	42.62	30.51	89.45	-123.99	533.81	1,333.12	1,261.99	71.13	18.742		
7,759.54	7,125.00	7,206.33	7,098.33	42.72	30.48	89.32	-124.13	530.12	1,332.96	1,261.72	71.24	18.712		
7,790.13	7,125.08	7,194.75	7,090.68	43.03	30.42	88.99	-124.44	521.43	1,332.67	1,261.03	71.63	18.604		
7,800.00	7,125.10	7,186.39	7,084.98	43.13	30.38	88.75	-124.61	515.32	1,332.68	1,260.97	71.71	18.584		
7,900.00	7,125.34	7,113.55	7,031.69	44.28	30.07	86.45	-126.39	465.77	1,334.73	1,262.06	72.67	18.367		
8,000.00	7,125.58	7,070.86	6,997.69	45.61	29.89	84.99	-127.59	439.99	1,341.41	1,267.35	74.06	18.112		
8,100.00	7,125.82	7,040.62	6,972.66	47.10	29.77	83.92	-128.05	423.02	1,354.02	1,278.39	75.63	17.903		
8,200.00	7,126.06	6,999.00	6,937.09	48.72	29.61	82.41	-128.05	401.43	1,372.85	1,295.84	77.00	17.828		
8,300.00	7,126.30	6,999.00	6,937.09	50.48	29.61	82.41	-128.05	401.43	1,397.41	1,318.55	78.86	17.721		
8,400.00	7,126.54	6,962.65	6,905.07	52.34	29.47	81.06	-127.61	384.24	1,427.70	1,347.57	80.13	17.818		
8,500.00	7,126.78	6,940.06	6,884.78	54.30	29.38	80.21	-127.23	374.32	1,463.53	1,382.08	81.45	17.969		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,127.02	6,904.00	6,851.81	56.35	29.24	78.85	-126.46	359.75	1,504.74	1,422.29	82.46	18.249		
8,700.00	7,127.26	6,900.28	6,848.37	58.47	29.23	78.70	-126.37	358.33	1,550.48	1,466.76	83.72	18.521		
8,800.00	7,127.50	6,870.48	6,820.59	60.66	29.11	77.56	-125.98	347.56	1,600.73	1,516.20	84.53	18.938		
8,900.00	7,127.74	6,845.66	6,797.16	62.90	29.02	76.61	-126.07	339.37	1,654.94	1,569.68	85.26	19.411		
9,000.00	7,127.98	6,824.71	6,777.20	65.19	28.93	75.79	-126.43	333.02	1,712.85	1,626.95	85.91	19.939		
9,100.00	7,128.22	6,812.00	6,765.02	67.53	28.88	75.30	-126.78	329.42	1,774.21	1,687.68	86.53	20.504		
9,200.00	7,128.46	6,812.00	6,765.02	69.92	28.88	75.30	-126.78	329.42	1,838.90	1,751.72	87.18	21.093		
9,300.00	7,128.70	6,812.00	6,765.02	72.33	28.88	75.30	-126.78	329.42	1,906.64	1,818.92	87.72	21.736		
9,400.00	7,128.94	6,812.00	6,765.02	74.78	28.88	75.30	-126.78	329.42	1,977.12	1,888.95	88.16	22.425		
9,500.00	7,129.18	6,812.00	6,765.02	77.26	28.88	75.30	-126.78	329.42	2,050.06	1,961.53	88.53	23.157		
9,600.00	7,129.42	6,775.70	6,729.90	79.76	28.74	73.88	-127.55	320.27	2,123.95	2,035.40	88.55	23.986		
9,700.00	7,129.66	6,770.23	6,724.57	82.29	28.72	73.67	-127.60	319.04	2,200.67	2,111.91	88.77	24.792		
9,800.00	7,129.90	6,765.11	6,719.57	84.84	28.70	73.47	-127.63	317.93	2,279.15	2,190.21	88.94	25.625		
9,900.00	7,130.14	6,760.30	6,714.87	87.41	28.68	73.29	-127.64	316.91	2,359.21	2,270.13	89.08	26.485		
10,000.00	7,130.38	6,755.77	6,710.43	90.00	28.66	73.11	-127.65	315.99	2,440.70	2,351.52	89.18	27.367		
10,100.00	7,130.62	6,718.00	6,673.27	92.60	28.51	71.67	-127.20	309.32	2,524.53	2,435.47	89.05	28.349		
10,200.00	7,130.86	6,718.00	6,673.27	95.22	28.51	71.67	-127.20	309.32	2,608.25	2,519.11	89.15	29.258		
10,300.00	7,131.09	6,718.00	6,673.27	97.85	28.51	71.67	-127.20	309.32	2,693.09	2,603.87	89.22	30.185		
10,400.00	7,131.33	6,718.00	6,673.27	100.50	28.51	71.67	-127.20	309.32	2,778.94	2,689.67	89.27	31.130		
10,500.00	7,131.57	6,718.00	6,673.27	103.16	28.51	71.67	-127.20	309.32	2,865.70	2,776.39	89.30	32.089		
10,600.00	7,131.81	6,718.00	6,673.27	105.82	28.51	71.67	-127.20	309.32	2,953.30	2,863.97	89.33	33.062		
10,700.00	7,132.05	6,718.00	6,673.27	108.50	28.51	71.67	-127.20	309.32	3,041.66	2,952.33	89.34	34.048		
10,800.00	7,132.29	6,718.00	6,673.27	111.19	28.51	71.67	-127.20	309.32	3,130.73	3,041.39	89.34	35.045		
10,900.00	7,132.53	6,718.00	6,673.27	113.88	28.51	71.67	-127.20	309.32	3,220.44	3,131.11	89.33	36.052		
11,000.00	7,132.77	6,718.00	6,673.27	116.58	28.51	71.67	-127.20	309.32	3,310.74	3,221.42	89.32	37.068		
11,100.00	7,133.01	6,718.00	6,673.27	119.29	28.51	71.67	-127.20	309.32	3,401.58	3,312.28	89.30	38.093		
11,200.00	7,133.25	6,718.00	6,673.27	122.01	28.51	71.67	-127.20	309.32	3,492.92	3,403.64	89.27	39.126		
11,300.00	7,133.49	6,718.00	6,673.27	124.73	28.51	71.67	-127.20	309.32	3,584.72	3,495.47	89.25	40.166		
11,400.00	7,133.73	6,718.00	6,673.27	127.46	28.51	71.67	-127.20	309.32	3,676.95	3,587.73	89.22	41.212		
11,500.00	7,133.97	6,718.00	6,673.27	130.19	28.51	71.67	-127.20	309.32	3,769.58	3,680.39	89.19	42.265		
11,600.00	7,134.21	6,718.00	6,673.27	132.93	28.51	71.67	-127.20	309.32	3,862.57	3,773.41	89.16	43.322		
11,700.00	7,134.45	6,718.00	6,673.27	135.68	28.51	71.67	-127.20	309.32	3,955.91	3,866.78	89.13	44.385		
11,800.00	7,134.69	6,718.00	6,673.27	138.43	28.51	71.67	-127.20	309.32	4,049.56	3,960.47	89.09	45.453		
11,900.00	7,134.93	6,718.00	6,673.27	141.18	28.51	71.67	-127.20	309.32	4,143.51	4,054.45	89.06	46.524		
12,000.00	7,135.17	6,718.00	6,673.27	143.94	28.51	71.67	-127.20	309.32	4,237.74	4,148.71	89.03	47.599		
12,100.00	7,135.41	6,718.00	6,673.27	146.70	28.51	71.67	-127.20	309.32	4,332.23	4,243.23	89.00	48.678		
12,200.00	7,135.65	6,718.00	6,673.27	149.46	28.51	71.67	-127.20	309.32	4,426.96	4,337.99	88.97	49.760		
12,300.00	7,135.89	6,718.00	6,673.27	152.23	28.51	71.67	-127.20	309.32	4,521.91	4,432.98	88.94	50.845		
12,400.00	7,136.13	6,718.00	6,673.27	155.00	28.51	71.67	-127.20	309.32	4,617.08	4,528.18	88.91	51.932		
12,500.00	7,136.37	6,718.00	6,673.27	157.78	28.51	71.67	-127.20	309.32	4,712.45	4,623.57	88.88	53.022		
12,600.00	7,136.61	6,718.00	6,673.27	160.55	28.51	71.67	-127.20	309.32	4,808.01	4,719.16	88.85	54.114		
12,700.00	7,136.85	6,718.00	6,673.27	163.33	28.51	71.67	-127.20	309.32	4,903.74	4,814.92	88.82	55.208		
12,800.00	7,137.09	6,718.00	6,673.27	166.12	28.51	71.67	-127.20	309.32	4,999.64	4,910.85	88.80	56.304		
12,900.00	7,137.33	6,718.00	6,673.27	168.90	28.51	71.67	-127.20	309.32	5,095.70	5,006.93	88.77	57.401		
13,000.00	7,137.57	6,718.00	6,673.27	171.69	28.51	71.67	-127.20	309.32	5,191.91	5,103.16	88.75	58.499		
13,100.00	7,137.81	6,718.00	6,673.27	174.48	28.51	71.67	-127.20	309.32	5,288.26	5,199.53	88.73	59.599		
13,200.00	7,138.05	6,718.00	6,673.27	177.27	28.51	71.67	-127.20	309.32	5,384.74	5,296.03	88.71	60.699		
13,300.00	7,138.29	6,718.00	6,673.27	180.07	28.51	71.67	-127.20	309.32	5,481.35	5,392.65	88.69	61.801		
13,400.00	7,138.53	6,718.00	6,673.27	182.86	28.51	71.67	-127.20	309.32	5,578.08	5,489.40	88.68	62.903		
13,500.00	7,138.77	6,718.00	6,673.27	185.66	28.51	71.67	-127.20	309.32	5,674.92	5,586.25	88.66	64.006		
13,600.00	7,139.01	6,718.00	6,673.27	188.46	28.51	71.67	-127.20	309.32	5,771.86	5,683.22	88.65	65.110		
13,700.00	7,139.25	6,718.00	6,673.27	191.26	28.51	71.67	-127.20	309.32	5,868.92	5,780.28	88.64	66.214		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:		0.00 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
13,800.00	7,139.49	6,718.00	6,673.27	194.06	28.51	71.67	-127.20	309.32	5,966.06	5,877.44	88.63	67.318					
13,900.00	7,139.73	6,718.00	6,673.27	196.87	28.51	71.67	-127.20	309.32	6,063.31	5,974.69	88.62	68.422					
14,000.00	7,139.97	6,718.00	6,673.27	199.68	28.51	71.67	-127.20	309.32	6,160.63	6,072.03	88.61	69.527					
14,100.00	7,140.21	6,718.00	6,673.27	202.48	28.51	71.67	-127.20	309.32	6,258.05	6,169.45	88.60	70.631					
14,200.00	7,140.45	6,676.25	6,631.81	205.29	28.33	70.08	-126.51	304.43	6,354.05	6,265.53	88.52	71.784					
14,300.00	7,140.69	6,675.52	6,631.09	208.10	28.33	70.06	-126.51	304.37	6,451.57	6,363.06	88.51	72.889					
14,400.00	7,140.93	6,674.81	6,630.39	210.91	28.33	70.03	-126.50	304.32	6,549.16	6,460.65	88.51	73.994					
14,500.00	7,141.17	6,674.13	6,629.71	213.73	28.32	70.01	-126.49	304.26	6,646.83	6,558.32	88.51	75.098					
14,600.00	7,141.41	6,673.47	6,629.04	216.54	28.32	69.98	-126.49	304.21	6,744.56	6,656.05	88.51	76.202					
14,700.00	7,141.65	6,672.82	6,628.40	219.36	28.32	69.96	-126.48	304.16	6,842.35	6,753.84	88.51	77.306					
14,800.00	7,141.89	6,672.19	6,627.77	222.17	28.32	69.93	-126.47	304.11	6,940.21	6,851.70	88.51	78.409					
14,900.00	7,142.13	6,671.58	6,627.16	224.99	28.31	69.91	-126.47	304.06	7,038.13	6,949.61	88.52	79.511					
15,000.00	7,142.36	6,670.99	6,626.57	227.81	28.31	69.89	-126.46	304.02	7,136.10	7,047.58	88.52	80.613					
15,100.00	7,142.60	6,670.41	6,626.00	230.63	28.31	69.86	-126.46	303.98	7,234.13	7,145.60	88.53	81.714					
15,200.00	7,142.84	6,669.85	6,625.43	233.45	28.31	69.84	-126.45	303.94	7,332.22	7,243.68	88.54	82.814					
15,300.00	7,143.08	6,669.30	6,624.89	236.27	28.30	69.82	-126.45	303.90	7,430.35	7,341.80	88.55	83.914					
15,400.00	7,143.32	6,668.76	6,624.35	239.09	28.30	69.80	-126.44	303.86	7,528.53	7,439.97	88.56	85.012					
15,500.00	7,143.56	6,668.24	6,623.83	241.91	28.30	69.78	-126.44	303.82	7,626.76	7,538.19	88.57	86.109					
15,600.00	7,143.80	6,667.73	6,623.33	244.73	28.30	69.76	-126.43	303.79	7,725.03	7,636.45	88.58	87.206					
15,700.00	7,144.04	6,625.00	6,580.63	247.56	28.12	68.17	-126.36	302.37	7,824.87	7,736.37	88.50	88.417					
15,800.00	7,144.28	6,625.00	6,580.63	250.38	28.12	68.17	-126.36	302.37	7,923.19	7,834.68	88.52	89.510					
15,900.00	7,144.52	6,625.00	6,580.63	253.21	28.12	68.17	-126.36	302.37	8,021.56	7,933.02	88.54	90.602					
16,000.00	7,144.76	6,625.00	6,580.63	256.03	28.12	68.17	-126.36	302.37	8,119.96	8,031.41	88.56	91.693					
16,100.00	7,145.00	6,625.00	6,580.63	258.86	28.12	68.17	-126.36	302.37	8,218.41	8,129.83	88.58	92.783					
16,200.00	7,145.24	6,625.00	6,580.63	261.69	28.12	68.17	-126.36	302.37	8,316.89	8,228.29	88.60	93.872					
16,300.00	7,145.48	6,625.00	6,580.63	264.52	28.12	68.17	-126.36	302.37	8,415.40	8,326.78	88.62	94.959					
16,400.00	7,145.72	6,625.00	6,580.63	267.35	28.12	68.17	-126.36	302.37	8,513.95	8,425.31	88.65	96.045					
16,500.00	7,145.96	6,625.00	6,580.63	270.18	28.12	68.17	-126.36	302.37	8,612.54	8,523.87	88.67	97.130					
16,600.00	7,146.20	6,625.00	6,580.63	273.01	28.12	68.17	-126.36	302.37	8,711.15	8,622.46	88.70	98.213					
16,700.00	7,146.44	6,625.00	6,580.63	275.84	28.12	68.17	-126.36	302.37	8,809.80	8,721.08	88.72	99.295					
16,800.00	7,146.68	6,625.00	6,580.63	278.67	28.12	68.17	-126.36	302.37	8,908.48	8,819.73	88.75	100.375					
16,900.00	7,146.92	6,625.00	6,580.63	281.50	28.12	68.17	-126.36	302.37	9,007.19	8,918.41	88.78	101.454					
17,000.00	7,147.16	6,625.00	6,580.63	284.33	28.12	68.17	-126.36	302.37	9,105.92	9,017.11	88.81	102.532					
17,100.00	7,147.40	6,625.00	6,580.63	287.16	28.12	68.17	-126.36	302.37	9,204.69	9,115.84	88.84	103.607					
17,200.00	7,147.64	6,625.00	6,580.63	290.00	28.12	68.17	-126.36	302.37	9,303.48	9,214.60	88.87	104.681					
17,300.00	7,147.88	6,625.00	6,580.63	292.83	28.12	68.17	-126.36	302.37	9,402.29	9,313.38	88.91	105.754					
17,400.00	7,148.12	6,625.00	6,580.63	295.66	28.12	68.17	-126.36	302.37	9,501.13	9,412.19	88.94	106.824					
17,500.00	7,148.36	6,625.00	6,580.63	298.50	28.12	68.17	-126.36	302.37	9,599.99	9,511.02	88.98	107.893					
17,600.00	7,148.60	6,625.00	6,580.63	301.33	28.12	68.17	-126.36	302.37	9,698.88	9,609.87	89.01	108.960					
17,700.00	7,148.84	6,625.00	6,580.63	304.17	28.12	68.17	-126.36	302.37	9,797.79	9,708.74	89.05	110.026					
17,800.00	7,149.08	6,625.00	6,580.63	307.00	28.12	68.17	-126.36	302.37	9,896.72	9,807.63	89.09	111.090					
17,900.00	7,149.32	6,625.00	6,580.63	309.84	28.12	68.17	-126.36	302.37	9,995.67	9,906.55	89.13	112.152					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	131.40	-447.73	507.82	677.10					
100.00	100.00	93.96	93.95	3.28	3.29	131.51	-448.45	506.72	676.68	670.11	6.57	102.970		
200.00	200.00	199.24	199.14	3.34	3.32	131.87	-450.84	503.01	675.56	668.90	6.66	101.469		
300.00	299.98	304.74	304.57	3.44	3.42	-5.16	-451.64	499.60	671.93	665.06	6.87	97.875		
400.00	399.84	427.25	426.97	3.59	3.61	-5.28	-447.97	496.53	662.90	655.67	7.23	91.720		
500.00	499.45	550.37	549.71	3.80	3.87	-5.53	-440.54	490.33	646.45	638.73	7.72	83.706		
600.00	598.70	650.53	649.34	4.04	4.12	-5.83	-432.60	483.81	624.31	616.10	8.21	76.025		
700.00	697.47	812.93	809.87	4.32	4.60	-6.35	-415.69	467.43	595.17	586.07	9.10	65.398		
800.00	795.62	903.53	898.41	4.65	4.91	-6.84	-401.94	454.06	555.93	546.27	9.66	57.560		
900.00	893.06	977.55	971.09	5.01	5.17	-7.38	-391.66	444.51	515.61	505.43	10.18	50.658		
1,000.00	989.64	1,055.91	1,048.43	5.42	5.45	-7.99	-382.68	435.70	474.82	464.05	10.77	44.105		
1,044.50	1,032.32	1,095.21	1,087.32	5.61	5.60	-8.30	-378.85	431.50	456.29	445.23	11.07	41.234		
1,100.00	1,085.43	1,146.19	1,137.76	5.86	5.79	-8.64	-373.99	425.89	432.76	421.31	11.44	37.820		
1,200.00	1,181.11	1,240.42	1,230.90	6.33	6.16	-9.38	-364.73	415.12	389.91	377.77	12.14	32.112		
1,300.00	1,276.80	1,327.11	1,316.58	6.81	6.51	-10.33	-355.63	405.47	346.97	334.12	12.84	27.014		
1,400.00	1,372.49	1,416.41	1,404.92	7.31	6.87	-11.67	-346.36	396.43	304.93	291.35	13.58	22.457		
1,500.00	1,468.17	1,507.41	1,494.97	7.83	7.24	-13.49	-336.85	387.28	263.09	248.75	14.34	18.351		
1,600.00	1,563.86	1,598.64	1,585.17	8.35	7.62	-16.18	-326.64	378.22	221.29	206.17	15.12	14.637		
1,700.00	1,659.55	1,687.02	1,672.54	8.88	8.00	-20.09	-316.43	369.71	180.14	164.20	15.95	11.297		
1,800.00	1,755.23	1,777.07	1,761.71	9.42	8.38	-26.14	-306.70	361.81	141.17	124.34	16.83	8.386		
1,900.00	1,850.92	1,868.16	1,851.90	9.97	8.77	-36.43	-296.90	353.55	104.37	86.52	17.85	5.848		
2,000.00	1,946.61	1,958.33	1,941.08	10.52	9.16	-55.94	-286.33	345.40	73.75	54.56	19.19	3.842		
2,100.00	2,042.29	2,049.21	2,031.11	11.07	9.55	-87.95	-276.52	337.93	60.49	39.88	20.61	2.935		
2,103.01	2,045.17	2,051.99	2,033.87	11.09	9.56	-89.03	-276.25	337.71	60.47	39.83	20.64	2.930 CC, ES, SF		
2,200.00	2,137.98	2,142.50	2,123.83	11.63	9.95	-119.86	-269.08	330.83	70.87	49.75	21.13	3.355		
2,300.00	2,233.67	2,237.48	2,218.50	12.19	10.35	-139.31	-263.98	325.22	94.91	73.39	21.52	4.410		
2,400.00	2,329.35	2,334.84	2,315.68	12.76	10.74	-150.89	-261.57	319.76	122.50	100.35	22.15	5.530		
2,500.00	2,425.04	2,431.96	2,412.74	13.32	11.13	-157.58	-261.67	316.62	149.79	126.90	22.89	6.544		
2,600.00	2,520.72	2,527.18	2,507.92	13.89	11.51	-161.96	-261.36	313.78	178.64	154.98	23.66	7.550		
2,700.00	2,616.41	2,628.82	2,609.51	14.46	11.90	-165.47	-263.15	311.22	206.24	181.72	24.52	8.411		
2,800.00	2,712.10	2,723.50	2,704.15	15.03	12.27	-167.37	-265.60	312.02	231.99	206.68	25.32	9.163		
2,900.00	2,807.78	2,812.74	2,793.39	15.60	12.62	-168.65	-265.14	311.84	260.95	234.87	26.08	10.005		
3,000.00	2,903.47	2,913.00	2,893.64	16.18	13.03	-169.92	-264.53	310.97	290.51	263.53	26.98	10.768		
3,100.00	2,999.16	3,014.65	2,995.27	16.75	13.42	-170.94	-266.29	311.74	317.38	289.51	27.87	11.388		
3,200.00	3,094.84	3,106.77	3,087.36	17.33	13.78	-171.47	-267.04	313.67	344.35	315.68	28.67	12.012		
3,300.00	3,190.53	3,197.67	3,178.25	17.90	14.14	-171.89	-266.45	314.83	372.93	343.46	29.46	12.658		
3,400.00	3,286.22	3,291.61	3,272.18	18.48	14.52	-172.36	-265.54	315.05	402.35	372.05	30.30	13.277		
3,500.00	3,381.90	3,386.32	3,366.89	19.06	14.92	-172.87	-264.91	314.62	431.96	400.79	31.16	13.861		
3,600.00	3,477.59	3,480.51	3,461.08	19.64	15.31	-173.31	-264.11	314.00	461.84	429.82	32.02	14.423		
3,700.00	3,573.28	3,572.30	3,552.86	20.22	15.70	-173.74	-263.28	312.92	492.10	459.24	32.85	14.979		
3,800.00	3,668.96	3,675.82	3,656.36	20.80	16.12	-174.16	-262.04	311.48	522.77	488.96	33.81	15.462		
3,900.00	3,764.65	3,780.68	3,761.21	21.38	16.54	-174.42	-262.45	312.63	550.72	515.96	34.76	15.845		
4,000.00	3,860.33	3,873.60	3,854.09	21.96	16.91	-174.49	-262.12	314.91	578.49	542.91	35.59	16.256		
4,100.00	3,956.02	3,974.07	3,954.54	22.54	17.32	-174.53	-261.45	317.42	606.48	569.99	36.49	16.621		
4,200.00	4,051.71	4,076.56	4,057.00	23.13	17.73	-174.73	-262.72	319.30	633.40	595.99	37.40	16.934		
4,300.00	4,147.39	4,179.62	4,160.00	23.71	18.14	-175.06	-265.80	320.49	659.39	621.07	38.32	17.207		
4,400.00	4,243.08	4,268.60	4,248.91	24.29	18.49	-175.44	-269.26	320.51	685.41	646.29	39.12	17.519		
4,500.00	4,338.77	4,350.71	4,330.94	24.88	18.83	-175.88	-272.33	318.62	712.96	673.10	39.87	17.884		
4,600.00	4,434.45	4,441.45	4,421.60	25.46	19.20	-176.33	-274.59	315.72	742.02	701.33	40.69	18.235		
4,700.00	4,530.14	4,539.42	4,519.56	26.04	19.60	-176.61	-275.57	314.26	771.18	729.60	41.59	18.543		
4,800.00	4,625.83	4,637.79	4,617.93	26.63	20.00	-176.69	-275.39	314.86	799.97	757.48	42.48	18.829		
4,900.00	4,721.51	4,737.87	4,717.98	27.21	20.41	-176.65	-274.49	316.93	828.37	784.97	43.40	19.087		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,841.87	4,821.92	27.80	20.84	-176.57	-273.73	320.06	856.08	811.73	44.35	19.304		
5,100.00	4,912.89	4,923.14	4,903.17	28.38	21.18	-176.56	-273.34	321.76	884.16	839.08	45.08	19.611		
5,200.00	5,008.57	5,018.31	4,998.34	28.97	21.58	-176.67	-273.36	321.78	913.15	867.19	45.96	19.869		
5,300.00	5,104.26	5,115.83	5,095.86	29.55	21.98	-176.85	-274.18	321.06	941.99	895.13	46.86	20.104		
5,400.00	5,199.94	5,217.68	5,197.69	30.14	22.40	-177.04	-275.61	320.27	970.45	922.65	47.80	20.304		
5,500.00	5,295.63	5,308.85	5,288.84	30.72	22.78	-177.24	-277.35	319.08	998.86	950.23	48.63	20.539		
5,600.00	5,391.32	5,388.35	5,368.31	31.31	23.11	-177.43	-278.43	317.32	1,028.26	978.91	49.35	20.834		
5,700.00	5,487.00	5,487.66	5,467.60	31.90	23.53	-177.58	-278.45	315.59	1,058.37	1,008.08	50.28	21.048		
5,800.00	5,582.69	5,579.05	5,558.99	32.48	23.92	-177.61	-277.50	315.36	1,088.31	1,037.18	51.13	21.286		
5,900.00	5,678.38	5,663.99	5,643.91	33.07	24.28	-177.63	-276.04	314.97	1,118.88	1,066.97	51.90	21.556		
6,000.00	5,774.06	5,781.43	5,761.34	33.65	24.78	-177.68	-274.49	314.39	1,149.21	1,096.19	53.02	21.675		
6,100.00	5,869.75	5,881.21	5,861.11	34.24	25.20	-177.68	-273.67	315.29	1,178.29	1,124.34	53.94	21.843		
6,200.00	5,965.44	5,982.59	5,962.49	34.83	25.62	-177.70	-273.53	316.01	1,206.98	1,152.11	54.88	21.995		
6,300.00	6,061.12	6,089.00	6,068.89	35.41	26.06	-177.81	-275.13	316.11	1,234.84	1,178.99	55.85	22.109		
6,400.00	6,156.81	6,175.31	6,155.19	36.00	26.42	-177.89	-276.49	316.44	1,262.53	1,205.89	56.65	22.288		
6,500.00	6,252.50	7,588.09	6,966.12	36.59	36.93	-143.16	-267.24	1,165.80	1,224.79	1,164.78	60.01	20.409		
6,600.00	6,348.18	7,602.59	6,965.37	37.18	37.17	-142.43	-266.77	1,180.28	1,188.75	1,125.50	63.26	18.792		
6,636.04	6,382.67	7,607.90	6,965.10	37.39	37.26	-142.16	-266.61	1,185.58	1,177.53	1,113.15	64.39	18.288		
6,650.00	6,396.05	7,609.81	6,965.00	37.47	37.29	-144.96	-266.55	1,187.49	1,173.44	1,108.63	64.82	18.104		
6,700.00	6,444.38	7,614.09	6,964.79	37.74	37.36	-158.07	-266.42	1,191.76	1,159.94	1,093.68	66.26	17.506		
6,750.00	6,493.07	7,614.27	6,964.78	37.98	37.37	-175.64	-266.42	1,191.94	1,148.38	1,080.83	67.55	17.001		
6,800.00	6,541.82	7,610.27	6,964.98	38.18	37.30	165.41	-266.54	1,187.95	1,138.88	1,070.22	68.65	16.589		
6,850.00	6,590.35	7,602.04	6,965.40	38.35	37.16	149.10	-266.79	1,179.74	1,131.51	1,061.95	69.56	16.266		
6,900.00	6,638.34	7,589.56	6,966.04	38.50	36.96	136.80	-267.19	1,167.27	1,126.29	1,056.02	70.27	16.028		
6,950.00	6,685.50	7,572.82	6,966.94	38.64	36.68	127.75	-267.74	1,150.57	1,123.13	1,052.36	70.77	15.870		
7,000.00	6,731.54	7,551.96	6,968.09	38.77	36.34	120.84	-268.48	1,129.75	1,121.92	1,050.84	71.07	15.785		
7,008.79	6,739.49	7,548.03	6,968.31	38.79	36.28	119.79	-268.62	1,125.84	1,121.89	1,050.77	71.12	15.775		
7,050.00	6,776.18	7,528.14	6,969.41	38.90	35.98	115.33	-269.34	1,105.98	1,122.46	1,051.22	71.24	15.756		
7,100.00	6,819.14	7,500.78	6,970.93	39.03	35.56	110.70	-270.36	1,078.69	1,124.53	1,053.29	71.24	15.785		
7,150.00	6,860.16	7,470.06	6,972.61	39.16	35.10	106.65	-271.53	1,048.03	1,127.88	1,056.79	71.10	15.864		
7,200.00	6,898.98	7,441.56	6,974.14	39.31	34.70	103.22	-272.61	1,019.60	1,132.28	1,061.30	70.97	15.953		
7,250.00	6,935.36	7,413.28	6,975.55	39.47	34.32	100.19	-273.50	991.37	1,137.60	1,066.76	70.84	16.060		
7,300.00	6,969.08	7,383.16	6,976.92	39.65	33.91	97.44	-274.26	961.28	1,143.63	1,072.98	70.65	16.188		
7,350.00	6,999.94	7,352.35	6,978.04	39.85	33.52	94.95	-274.82	930.50	1,150.14	1,079.66	70.47	16.321		
7,400.00	7,027.74	7,322.99	6,977.67	40.08	33.16	92.70	-275.10	901.15	1,157.00	1,086.64	70.36	16.444		
7,450.00	7,052.31	7,294.34	6,975.70	40.34	32.82	90.64	-275.13	872.57	1,164.13	1,093.84	70.29	16.562		
7,500.00	7,073.49	7,271.00	6,972.93	40.63	32.54	88.87	-274.98	849.40	1,171.44	1,101.08	70.36	16.650		
7,550.00	7,091.17	7,237.91	6,967.33	40.95	32.19	87.00	-274.49	816.79	1,178.79	1,108.46	70.33	16.762		
7,600.00	7,105.22	7,209.93	6,961.17	41.31	31.89	85.41	-273.84	789.52	1,186.10	1,115.66	70.43	16.840		
7,650.00	7,115.57	7,178.00	6,952.57	41.71	31.55	83.88	-272.83	758.78	1,193.28	1,122.76	70.52	16.921		
7,700.00	7,122.15	7,154.95	6,945.40	42.15	31.34	82.70	-271.92	736.89	1,200.20	1,129.34	70.86	16.936		
7,750.00	7,124.91	7,127.72	6,936.04	42.62	31.10	81.58	-270.60	711.36	1,206.82	1,135.63	71.19	16.953		
7,759.54	7,125.00	7,122.52	6,934.14	42.72	31.05	81.38	-270.32	706.53	1,208.04	1,136.78	71.25	16.954		
7,800.00	7,125.10	7,100.77	6,925.83	43.13	30.86	81.00	-269.06	686.47	1,213.50	1,141.95	71.55	16.961		
7,900.00	7,125.34	7,027.64	6,893.13	44.28	30.30	79.50	-264.67	621.26	1,229.37	1,157.34	72.03	17.067		
8,000.00	7,125.58	6,957.35	6,854.50	45.61	29.83	77.74	-261.96	562.64	1,247.75	1,175.14	72.61	17.185		
8,100.00	7,125.82	6,895.00	6,814.92	47.10	29.47	75.96	-260.52	514.52	1,269.80	1,196.48	73.32	17.318		
8,200.00	7,126.06	6,857.49	6,789.05	48.72	29.28	74.81	-259.80	487.38	1,296.28	1,221.79	74.49	17.403		
8,300.00	7,126.30	6,819.79	6,761.76	50.48	29.10	73.61	-258.91	461.37	1,327.67	1,252.10	75.58	17.567		
8,400.00	7,126.54	6,778.79	6,730.64	52.34	28.91	72.27	-257.91	434.72	1,363.85	1,287.32	76.53	17.822		
8,500.00	7,126.78	6,737.03	6,697.11	54.30	28.74	70.83	-257.84	409.83	1,404.28	1,326.93	77.36	18.153		
8,600.00	7,127.02	6,707.00	6,671.95	56.35	28.61	69.76	-258.46	393.48	1,449.03	1,370.76	78.27	18.513		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,674.35	6,643.61	58.47	28.48	68.55	-259.85	377.33	1,498.02	1,419.00	79.01	18.959		
8,800.00	7,127.50	6,651.12	6,622.87	60.66	28.39	67.68	-261.35	366.99	1,551.15	1,471.36	79.79	19.440		
8,900.00	7,127.74	6,612.00	6,586.99	62.90	28.23	66.16	-264.79	351.80	1,608.46	1,528.30	80.16	20.066		
9,000.00	7,127.98	6,612.00	6,586.99	65.19	28.23	66.16	-264.79	351.80	1,668.88	1,587.78	81.10	20.579		
9,100.00	7,128.22	6,612.00	6,586.99	67.53	28.23	66.16	-264.79	351.80	1,732.96	1,651.07	81.89	21.161		
9,200.00	7,128.46	6,612.00	6,586.99	69.92	28.23	66.16	-264.79	351.80	1,800.33	1,717.76	82.57	21.804		
9,300.00	7,128.70	6,612.00	6,586.99	72.33	28.23	66.16	-264.79	351.80	1,870.61	1,787.48	83.13	22.502		
9,400.00	7,128.94	6,612.00	6,586.99	74.78	28.23	66.16	-264.79	351.80	1,943.50	1,859.90	83.60	23.247		
9,500.00	7,129.18	6,574.64	6,551.77	77.26	28.08	64.70	-268.38	339.88	2,017.16	1,933.61	83.55	24.143		
9,600.00	7,129.42	6,568.53	6,545.94	79.76	28.06	64.46	-268.92	338.17	2,093.90	2,010.07	83.83	24.977		
9,700.00	7,129.66	6,562.88	6,540.51	82.29	28.03	64.24	-269.40	336.65	2,172.45	2,088.39	84.07	25.841		
9,800.00	7,129.90	6,557.63	6,535.47	84.84	28.01	64.03	-269.84	335.28	2,252.65	2,168.38	84.26	26.733		
9,900.00	7,130.14	6,518.00	6,496.93	87.41	27.85	62.49	-272.81	326.58	2,335.66	2,251.59	84.06	27.785		
10,000.00	7,130.38	6,518.00	6,496.93	90.00	27.85	62.49	-272.81	326.58	2,418.32	2,334.06	84.26	28.702		
10,100.00	7,130.62	6,518.00	6,496.93	92.60	27.85	62.49	-272.81	326.58	2,502.25	2,417.84	84.42	29.641		
10,200.00	7,130.86	6,518.00	6,496.93	95.22	27.85	62.49	-272.81	326.58	2,587.33	2,502.78	84.55	30.601		
10,300.00	7,131.09	6,518.00	6,496.93	97.85	27.85	62.49	-272.81	326.58	2,673.44	2,588.78	84.66	31.580		
10,400.00	7,131.33	6,518.00	6,496.93	100.50	27.85	62.49	-272.81	326.58	2,760.48	2,675.74	84.74	32.575		
10,500.00	7,131.57	6,518.00	6,496.93	103.16	27.85	62.49	-272.81	326.58	2,848.38	2,763.57	84.81	33.585		
10,600.00	7,131.81	6,518.00	6,496.93	105.82	27.85	62.49	-272.81	326.58	2,937.05	2,852.18	84.87	34.608		
10,700.00	7,132.05	6,518.00	6,496.93	108.50	27.85	62.49	-272.81	326.58	3,026.42	2,941.52	84.91	35.644		
10,800.00	7,132.29	6,518.00	6,496.93	111.19	27.85	62.49	-272.81	326.58	3,116.45	3,031.51	84.94	36.691		
10,900.00	7,132.53	6,518.00	6,496.93	113.88	27.85	62.49	-272.81	326.58	3,207.06	3,122.10	84.96	37.748		
11,000.00	7,132.77	6,518.00	6,496.93	116.58	27.85	62.49	-272.81	326.58	3,298.22	3,213.24	84.98	38.814		
11,100.00	7,133.01	6,518.00	6,496.93	119.29	27.85	62.49	-272.81	326.58	3,389.87	3,304.89	84.98	39.888		
11,200.00	7,133.25	6,518.00	6,496.93	122.01	27.85	62.49	-272.81	326.58	3,481.98	3,397.00	84.99	40.970		
11,300.00	7,133.49	6,518.00	6,496.93	124.73	27.85	62.49	-272.81	326.58	3,574.52	3,489.53	84.99	42.059		
11,400.00	7,133.73	6,518.00	6,496.93	127.46	27.85	62.49	-272.81	326.58	3,667.45	3,582.47	84.99	43.154		
11,500.00	7,133.97	6,518.00	6,496.93	130.19	27.85	62.49	-272.81	326.58	3,760.74	3,675.76	84.98	44.254		
11,600.00	7,134.21	6,518.00	6,496.93	132.93	27.85	62.49	-272.81	326.58	3,854.37	3,769.40	84.97	45.360		
11,700.00	7,134.45	6,518.00	6,496.93	135.68	27.85	62.49	-272.81	326.58	3,948.31	3,863.35	84.96	46.471		
11,800.00	7,134.69	6,518.00	6,496.93	138.43	27.85	62.49	-272.81	326.58	4,042.55	3,957.59	84.95	47.586		
11,900.00	7,134.93	6,518.00	6,496.93	141.18	27.85	62.49	-272.81	326.58	4,137.05	4,052.11	84.94	48.705		
12,000.00	7,135.17	6,518.00	6,496.93	143.94	27.85	62.49	-272.81	326.58	4,231.80	4,146.87	84.93	49.827		
12,100.00	7,135.41	6,518.00	6,496.93	146.70	27.85	62.49	-272.81	326.58	4,326.80	4,241.88	84.92	50.953		
12,200.00	7,135.65	6,518.00	6,496.93	149.46	27.85	62.49	-272.81	326.58	4,422.01	4,337.10	84.91	52.081		
12,300.00	7,135.89	6,518.00	6,496.93	152.23	27.85	62.49	-272.81	326.58	4,517.43	4,432.53	84.89	53.213		
12,400.00	7,136.13	6,518.00	6,496.93	155.00	27.85	62.49	-272.81	326.58	4,613.04	4,528.16	84.88	54.346		
12,500.00	7,136.37	6,518.00	6,496.93	157.78	27.85	62.49	-272.81	326.58	4,708.84	4,623.96	84.87	55.482		
12,600.00	7,136.61	6,477.81	6,457.30	160.55	27.68	60.96	-275.12	320.26	4,803.51	4,718.81	84.70	56.711		
12,700.00	7,136.85	6,476.16	6,455.67	163.33	27.68	60.90	-275.20	320.05	4,899.53	4,814.84	84.69	57.853		
12,800.00	7,137.09	6,474.56	6,454.09	166.12	27.67	60.84	-275.27	319.84	4,995.71	4,911.03	84.68	58.997		
12,900.00	7,137.33	6,473.01	6,452.56	168.90	27.67	60.78	-275.35	319.65	5,092.03	5,007.36	84.67	60.142		
13,000.00	7,137.57	6,471.52	6,451.07	171.69	27.66	60.72	-275.41	319.46	5,188.48	5,103.82	84.66	61.288		
13,100.00	7,137.81	6,470.07	6,449.64	174.48	27.65	60.67	-275.48	319.28	5,285.06	5,200.41	84.65	62.435		
13,200.00	7,138.05	6,468.67	6,448.25	177.27	27.65	60.62	-275.54	319.12	5,381.77	5,297.13	84.64	63.583		
13,300.00	7,138.29	6,467.30	6,446.89	180.07	27.64	60.57	-275.60	318.95	5,478.59	5,393.95	84.64	64.731		
13,400.00	7,138.53	6,465.98	6,445.58	182.86	27.64	60.52	-275.65	318.80	5,575.52	5,490.89	84.63	65.880		
13,500.00	7,138.77	6,425.00	6,404.79	185.66	27.47	59.02	-276.95	315.15	5,673.79	5,589.29	84.50	67.145		
13,600.00	7,139.01	6,425.00	6,404.79	188.46	27.47	59.02	-276.95	315.15	5,770.84	5,686.33	84.51	68.290		
13,700.00	7,139.25	6,425.00	6,404.79	191.26	27.47	59.02	-276.95	315.15	5,867.99	5,783.48	84.51	69.435		
13,800.00	7,139.49	6,425.00	6,404.79	194.06	27.47	59.02	-276.95	315.15	5,965.24	5,880.72	84.52	70.581		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,425.00	6,404.79	196.87	27.47	59.02	-276.95	315.15	6,062.58	5,978.05	84.52	71.727		
14,000.00	7,139.97	6,425.00	6,404.79	199.68	27.47	59.02	-276.95	315.15	6,160.00	6,075.47	84.53	72.873		
14,100.00	7,140.21	6,425.00	6,404.79	202.48	27.47	59.02	-276.95	315.15	6,257.50	6,172.96	84.54	74.018		
14,200.00	7,140.45	6,425.00	6,404.79	205.29	27.47	59.02	-276.95	315.15	6,355.08	6,270.53	84.55	75.164		
14,300.00	7,140.69	6,425.00	6,404.79	208.10	27.47	59.02	-276.95	315.15	6,452.74	6,368.17	84.56	76.309		
14,400.00	7,140.93	6,425.00	6,404.79	210.91	27.47	59.02	-276.95	315.15	6,550.46	6,465.89	84.57	77.453		
14,500.00	7,141.17	6,425.00	6,404.79	213.73	27.47	59.02	-276.95	315.15	6,648.25	6,563.67	84.59	78.598		
14,600.00	7,141.41	6,425.00	6,404.79	216.54	27.47	59.02	-276.95	315.15	6,746.11	6,661.51	84.60	79.741		
14,700.00	7,141.65	6,425.00	6,404.79	219.36	27.47	59.02	-276.95	315.15	6,844.03	6,759.42	84.62	80.884		
14,800.00	7,141.89	6,425.00	6,404.79	222.17	27.47	59.02	-276.95	315.15	6,942.01	6,857.38	84.63	82.027		
14,900.00	7,142.13	6,425.00	6,404.79	224.99	27.47	59.02	-276.95	315.15	7,040.05	6,955.40	84.65	83.168		
15,000.00	7,142.36	6,425.00	6,404.79	227.81	27.47	59.02	-276.95	315.15	7,138.14	7,053.47	84.67	84.309		
15,100.00	7,142.60	6,425.00	6,404.79	230.63	27.47	59.02	-276.95	315.15	7,236.28	7,151.59	84.69	85.448		
15,200.00	7,142.84	6,425.00	6,404.79	233.45	27.47	59.02	-276.95	315.15	7,334.47	7,249.77	84.71	86.587		
15,300.00	7,143.08	6,425.00	6,404.79	236.27	27.47	59.02	-276.95	315.15	7,432.71	7,347.99	84.73	87.725		
15,400.00	7,143.32	6,425.00	6,404.79	239.09	27.47	59.02	-276.95	315.15	7,531.00	7,446.25	84.75	88.861		
15,500.00	7,143.56	6,425.00	6,404.79	241.91	27.47	59.02	-276.95	315.15	7,629.33	7,544.56	84.77	89.997		
15,600.00	7,143.80	6,425.00	6,404.79	244.73	27.47	59.02	-276.95	315.15	7,727.71	7,642.91	84.80	91.131		
15,700.00	7,144.04	6,425.00	6,404.79	247.56	27.47	59.02	-276.95	315.15	7,826.12	7,741.30	84.82	92.264		
15,800.00	7,144.28	6,425.00	6,404.79	250.38	27.47	59.02	-276.95	315.15	7,924.58	7,839.73	84.85	93.396		
15,900.00	7,144.52	6,425.00	6,404.79	253.21	27.47	59.02	-276.95	315.15	8,023.07	7,938.19	84.88	94.526		
16,000.00	7,144.76	6,425.00	6,404.79	256.03	27.47	59.02	-276.95	315.15	8,121.60	8,036.70	84.91	95.655		
16,100.00	7,145.00	6,425.00	6,404.79	258.86	27.47	59.02	-276.95	315.15	8,220.17	8,135.23	84.93	96.782		
16,200.00	7,145.24	6,425.00	6,404.79	261.69	27.47	59.02	-276.95	315.15	8,318.77	8,233.80	84.97	97.908		
16,300.00	7,145.48	6,425.00	6,404.79	264.52	27.47	59.02	-276.95	315.15	8,417.40	8,332.41	85.00	99.032		
16,400.00	7,145.72	6,425.00	6,404.79	267.35	27.47	59.02	-276.95	315.15	8,516.07	8,431.04	85.03	100.155		
16,500.00	7,145.96	6,425.00	6,404.79	270.18	27.47	59.02	-276.95	315.15	8,614.76	8,529.70	85.06	101.276		
16,600.00	7,146.20	6,425.00	6,404.79	273.01	27.47	59.02	-276.95	315.15	8,713.49	8,628.39	85.10	102.396		
16,700.00	7,146.44	6,425.00	6,404.79	275.84	27.47	59.02	-276.95	315.15	8,812.24	8,727.11	85.13	103.514		
16,800.00	7,146.68	6,425.00	6,404.79	278.67	27.47	59.02	-276.95	315.15	8,911.02	8,825.86	85.17	104.630		
16,900.00	7,146.92	6,425.00	6,404.79	281.50	27.47	59.02	-276.95	315.15	9,009.83	8,924.63	85.20	105.744		
17,000.00	7,147.16	6,425.00	6,404.79	284.33	27.47	59.02	-276.95	315.15	9,108.67	9,023.43	85.24	106.856		
17,100.00	7,147.40	6,425.00	6,404.79	287.16	27.47	59.02	-276.95	315.15	9,207.53	9,122.25	85.28	107.967		
17,200.00	7,147.64	6,425.00	6,404.79	290.00	27.47	59.02	-276.95	315.15	9,306.41	9,221.09	85.32	109.076		
17,300.00	7,147.88	6,425.00	6,404.79	292.83	27.47	59.02	-276.95	315.15	9,405.32	9,319.96	85.36	110.183		
17,400.00	7,148.12	6,425.00	6,404.79	295.66	27.47	59.02	-276.95	315.15	9,504.25	9,418.85	85.40	111.287		
17,500.00	7,148.36	6,425.00	6,404.79	298.50	27.47	59.02	-276.95	315.15	9,603.21	9,517.76	85.45	112.390		
17,600.00	7,148.60	6,425.00	6,404.79	301.33	27.47	59.02	-276.95	315.15	9,702.18	9,616.69	85.49	113.491		
17,700.00	7,148.84	6,425.00	6,404.79	304.17	27.47	59.02	-276.95	315.15	9,801.18	9,715.64	85.53	114.590		
17,800.00	7,149.08	6,425.00	6,404.79	307.00	27.47	59.02	-276.95	315.15	9,900.19	9,814.61	85.58	115.687		
17,900.00	7,149.32	6,425.00	6,404.79	309.84	27.47	59.02	-276.95	315.15	9,999.23	9,913.60	85.62	116.782		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	132.67	-467.77	507.54	690.31					
100.00	100.00	77.16	77.15	3.28	3.28	132.69	-468.40	507.86	690.99	684.42	6.57	105.167		
200.00	200.00	173.09	173.05	3.34	3.31	132.76	-470.74	509.00	693.49	686.84	6.65	104.277		
300.00	299.98	294.89	294.83	3.44	3.42	-4.35	-472.71	508.36	692.47	685.60	6.87	100.828		
400.00	399.84	431.36	431.15	3.59	3.64	-4.09	-472.34	502.57	684.05	676.78	7.27	94.031		
500.00	499.45	555.72	554.85	3.80	3.91	-3.57	-470.22	490.03	666.80	659.01	7.79	85.611		
600.00	598.70	651.40	649.79	4.04	4.15	-3.04	-468.48	478.29	644.66	636.40	8.26	78.018		
700.00	697.47	731.38	729.10	4.32	4.38	-2.40	-469.10	468.02	620.62	611.89	8.73	71.075		
800.00	795.62	802.80	799.93	4.65	4.60	-1.65	-472.71	459.68	596.98	587.75	9.23	64.666		
900.00	893.06	880.61	876.96	5.01	4.86	-0.59	-479.79	451.36	573.66	563.85	9.81	58.462		
1,000.00	989.64	964.74	960.15	5.42	5.15	0.71	-489.52	443.51	549.90	539.44	10.46	52.573		
1,044.50	1,032.32	1,000.77	995.82	5.61	5.27	1.26	-493.84	440.79	539.00	528.24	10.76	50.105		
1,100.00	1,085.43	1,043.64	1,038.28	5.86	5.42	1.91	-499.28	438.32	525.99	514.87	11.12	47.294		
1,200.00	1,181.11	1,121.33	1,115.16	6.33	5.70	3.01	-510.18	436.02	505.54	493.74	11.80	42.857		
1,300.00	1,276.80	1,204.85	1,197.57	6.81	6.00	4.17	-523.71	436.27	488.96	476.45	12.51	39.085		
1,400.00	1,372.49	1,297.71	1,288.98	7.31	6.35	5.54	-539.97	437.40	474.33	461.06	13.27	35.735		
1,500.00	1,468.17	1,392.11	1,381.64	7.83	6.72	7.18	-558.04	438.01	461.03	446.96	14.07	32.768		
1,600.00	1,563.86	1,487.38	1,474.95	8.35	7.11	9.04	-577.24	438.24	448.78	433.89	14.89	30.141		
1,700.00	1,659.55	1,582.96	1,568.41	8.88	7.51	11.04	-597.24	438.54	437.78	422.05	15.73	27.834		
1,800.00	1,755.23	1,680.24	1,663.50	9.42	7.93	13.17	-617.82	439.06	427.67	411.08	16.59	25.778		
1,900.00	1,850.92	1,776.43	1,757.39	9.97	8.36	15.37	-638.68	439.80	418.79	401.33	17.46	23.982		
2,000.00	1,946.61	1,881.16	1,859.89	10.52	8.83	17.77	-660.16	440.79	409.57	391.18	18.39	22.272		
2,100.00	2,042.29	1,982.61	1,959.36	11.07	9.29	20.14	-680.03	441.82	400.22	380.90	19.31	20.723		
2,200.00	2,137.98	2,082.93	2,057.87	11.63	9.75	22.77	-699.03	441.32	390.43	370.18	20.25	19.282		
2,300.00	2,233.67	2,180.35	2,153.51	12.19	10.20	25.39	-717.56	441.22	381.67	360.49	21.18	18.018		
2,400.00	2,329.35	2,279.70	2,251.13	12.76	10.66	28.08	-736.01	441.71	373.49	351.35	22.14	16.868		
2,500.00	2,425.04	2,378.09	2,347.78	13.32	11.11	31.09	-754.42	440.66	366.02	342.90	23.12	15.833		
2,600.00	2,520.72	2,477.73	2,445.71	13.89	11.58	34.20	-772.76	439.84	359.34	335.22	24.12	14.900		
2,700.00	2,616.41	2,575.94	2,542.33	14.46	12.04	37.30	-790.36	439.48	353.32	328.19	25.12	14.062		
2,800.00	2,712.10	2,675.82	2,640.63	15.03	12.51	40.48	-808.05	439.51	348.19	322.04	26.16	13.311		
2,900.00	2,807.78	2,772.47	2,735.78	15.60	12.97	43.91	-824.89	437.87	343.94	316.74	27.20	12.645		
3,000.00	2,903.47	2,867.21	2,828.93	16.18	13.42	47.60	-841.92	434.63	341.75	313.50	28.26	12.095		
3,056.71	2,957.74	2,921.82	2,882.57	16.50	13.68	49.70	-852.01	432.95	341.47	312.61	28.87	11.830		
3,100.00	2,999.16	2,963.74	2,923.74	16.75	13.88	51.31	-859.80	431.67	341.63	312.30	29.34	11.646		
3,200.00	3,094.84	3,062.59	3,020.84	17.33	14.35	55.02	-878.13	429.12	342.95	312.50	30.45	11.264		
3,300.00	3,190.53	3,159.81	3,116.37	17.90	14.82	58.53	-896.08	427.29	345.45	313.90	31.55	10.950		
3,400.00	3,286.22	3,258.35	3,213.19	18.48	15.29	61.98	-914.35	425.73	349.27	316.60	32.67	10.691		
3,500.00	3,381.90	3,360.77	3,313.92	19.06	15.79	65.37	-932.83	425.04	353.54	319.71	33.82	10.452		
3,600.00	3,477.59	3,459.78	3,411.38	19.64	16.26	68.47	-950.26	425.25	358.17	323.22	34.95	10.249		
3,700.00	3,573.28	3,559.27	3,509.35	20.22	16.73	71.47	-967.60	425.79	363.52	327.45	36.07	10.077		
3,800.00	3,668.96	3,659.97	3,608.63	20.80	17.21	74.44	-984.42	426.63	369.08	331.87	37.21	9.919		
3,900.00	3,764.65	3,753.29	3,700.78	21.38	17.65	77.37	-999.11	425.85	375.77	337.50	38.28	9.817		
4,000.00	3,860.33	3,841.71	3,787.87	21.96	18.08	80.15	-1,014.18	423.37	385.75	346.47	39.27	9.822		
4,100.00	3,956.02	3,935.61	3,880.12	22.54	18.53	82.88	-1,031.48	420.30	398.12	357.80	40.32	9.874		
4,200.00	4,051.71	4,029.13	3,971.82	23.13	18.99	85.43	-1,049.43	416.62	412.43	371.08	41.34	9.975		
4,300.00	4,147.39	4,126.07	4,066.80	23.71	19.47	87.84	-1,068.49	412.91	427.81	385.39	42.41	10.086		
4,400.00	4,243.08	4,222.42	4,161.06	24.29	19.95	90.00	-1,088.15	409.30	444.32	400.85	43.47	10.222		
4,500.00	4,338.77	4,324.70	4,261.19	24.88	20.46	92.10	-1,108.72	406.23	460.68	416.07	44.61	10.328		
4,600.00	4,434.45	4,423.97	4,358.52	25.46	20.95	94.02	-1,128.09	403.63	476.92	431.23	45.69	10.438		
4,700.00	4,530.14	4,523.51	4,455.87	26.04	21.44	95.61	-1,148.79	402.36	493.29	446.51	46.78	10.545		
4,800.00	4,625.83	4,621.77	4,551.80	26.63	21.94	96.92	-1,170.10	402.16	509.63	461.78	47.85	10.651		
4,900.00	4,721.51	4,717.73	4,645.57	27.21	22.42	98.21	-1,190.43	401.36	526.47	477.59	48.88	10.771		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,818.22	4,743.84	27.80	22.92	99.52	-1,211.40	400.17	543.69	493.72	49.97	10.880		
5,100.00	4,912.89	4,913.72	4,837.46	28.38	23.40	100.81	-1,230.21	398.83	560.76	509.77	50.99	10.998		
5,200.00	5,008.57	5,022.17	4,943.83	28.97	23.93	102.20	-1,251.30	397.30	578.02	525.85	52.17	11.080		
5,300.00	5,104.26	5,126.42	5,046.15	29.55	24.45	103.39	-1,271.21	397.98	593.54	540.26	53.29	11.139		
5,400.00	5,199.94	5,232.17	5,150.03	30.14	24.96	104.54	-1,290.93	399.63	608.29	553.88	54.41	11.180		
5,500.00	5,295.63	5,335.89	5,252.26	30.72	25.46	105.76	-1,308.34	401.51	622.21	566.72	55.49	11.213		
5,600.00	5,391.32	5,434.11	5,349.35	31.31	25.92	107.00	-1,323.12	403.28	635.66	579.15	56.51	11.249		
5,700.00	5,487.00	5,519.86	5,433.96	31.90	26.33	107.99	-1,337.02	404.02	650.70	593.29	57.40	11.336		
5,800.00	5,582.69	5,612.91	5,525.58	32.48	26.79	108.95	-1,353.31	403.99	667.26	608.89	58.37	11.432		
5,900.00	5,678.38	5,712.91	5,624.17	33.07	27.27	110.01	-1,370.02	403.58	684.10	624.69	59.41	11.515		
6,000.00	5,774.06	5,809.17	5,718.78	33.65	27.74	110.84	-1,387.67	403.81	701.10	640.69	60.41	11.605		
6,100.00	5,869.75	5,907.02	5,814.51	34.24	28.23	111.45	-1,407.94	404.52	718.61	657.16	61.45	11.694		
6,200.00	5,965.44	6,010.40	5,915.91	34.83	28.74	112.16	-1,428.03	405.58	735.48	672.94	62.54	11.759		
6,300.00	6,061.12	6,105.01	6,009.04	35.41	29.21	112.92	-1,444.71	405.95	752.47	688.95	63.52	11.845		
6,400.00	6,156.81	6,204.74	6,107.04	36.00	29.69	113.62	-1,463.22	406.17	770.04	705.48	64.57	11.926		
6,500.00	6,252.50	6,320.69	6,221.22	36.59	30.26	114.47	-1,483.31	407.66	786.39	720.62	65.77	11.957		
6,600.00	6,348.18	6,600.00	6,961.62	37.18	32.72	97.67	-1,636.42	989.16	745.70	714.44	31.26	23.854		
6,636.04	6,382.67	7,467.83	6,981.11	37.39	36.08	85.66	-1,645.98	1,103.19	713.89	681.59	32.30	22.100		
6,650.00	6,396.05	7,482.84	6,982.27	37.47	36.27	78.22	-1,647.23	1,118.10	701.24	668.95	32.29	21.714		
6,700.00	6,444.38	6,700.00	6,979.35	37.74	32.97	59.90	-1,645.18	1,093.65	655.35	626.49	28.86	22.706		
6,750.00	6,493.07	7,512.96	6,984.10	37.98	36.69	20.50	-1,649.61	1,148.07	609.14	574.09	35.05	17.381		
6,800.00	6,541.82	7,516.71	6,984.28	38.18	36.75	-10.61	-1,649.89	1,151.80	563.03	526.16	36.86	15.273		
6,850.00	6,590.35	7,513.91	6,984.14	38.35	36.71	-36.39	-1,649.68	1,149.02	517.48	478.47	39.01	13.266		
6,900.00	6,638.34	7,505.66	6,983.72	38.50	36.59	-55.26	-1,649.05	1,140.80	472.93	431.42	41.51	11.393		
6,950.00	6,685.50	7,495.22	6,983.02	38.64	36.43	-68.78	-1,648.27	1,130.41	429.77	385.48	44.29	9.704		
7,000.00	6,731.54	7,476.10	6,981.79	38.77	36.19	-76.83	-1,646.67	1,111.40	388.54	340.83	47.71	8.144		
7,050.00	6,776.18	7,454.84	6,979.89	38.90	35.92	-81.88	-1,644.90	1,090.30	349.61	298.05	51.56	6.781		
7,100.00	6,819.14	7,431.93	6,977.22	39.03	35.64	-84.63	-1,643.00	1,067.62	313.63	257.82	55.80	5.620		
7,150.00	6,860.16	7,407.71	6,973.71	39.16	35.34	-85.51	-1,641.01	1,043.74	281.39	221.07	60.32	4.665		
7,200.00	6,898.98	7,382.43	6,969.28	39.31	35.04	-84.79	-1,638.94	1,018.94	253.90	189.08	64.82	3.917		
7,250.00	6,935.36	7,356.09	6,963.84	39.47	34.77	-82.60	-1,636.79	993.26	232.35	163.54	68.81	3.377		
7,300.00	6,969.08	7,329.10	6,957.40	39.65	34.50	-79.14	-1,634.59	967.15	217.87	146.40	71.47	3.048		
7,350.00	6,999.94	7,301.57	6,949.93	39.85	34.24	-74.60	-1,632.35	940.75	211.28	139.13	72.15	2.928 SF		
7,365.91	7,009.13	7,292.97	6,947.41	39.93	34.16	-73.02	-1,631.64	932.56	210.86	138.96	71.90	2.933 CC, ES		
7,400.00	7,027.74	7,272.80	6,941.17	40.08	34.00	-69.03	-1,629.98	913.45	212.58	141.83	70.75	3.005		
7,450.00	7,052.31	7,242.95	6,931.12	40.34	33.79	-62.78	-1,627.33	885.47	220.80	152.98	67.82	3.256		
7,500.00	7,073.49	7,212.82	6,920.02	40.63	33.61	-56.36	-1,624.45	857.61	234.49	170.23	64.26	3.649		
7,550.00	7,091.17	7,183.36	6,908.21	40.95	33.46	-50.24	-1,621.43	830.78	252.14	191.21	60.93	4.138		
7,600.00	7,105.22	7,155.58	6,896.05	41.31	33.35	-44.73	-1,618.55	805.98	272.65	214.24	58.41	4.668		
7,650.00	7,115.57	7,127.89	6,882.89	41.71	33.25	-39.68	-1,615.69	781.79	295.01	238.28	56.73	5.200		
7,700.00	7,122.15	7,099.00	6,868.08	42.15	33.16	-35.05	-1,612.73	757.16	318.38	262.67	55.71	5.715		
7,750.00	7,124.91	7,072.94	6,853.78	42.62	33.08	-31.18	-1,610.07	735.54	342.14	286.54	55.61	6.153		
7,759.54	7,125.00	7,067.74	6,850.82	42.72	33.07	-30.48	-1,609.54	731.30	346.68	291.06	55.62	6.233		
7,800.00	7,125.10	7,046.23	6,838.22	43.13	33.01	-28.94	-1,607.33	714.01	366.70	310.88	55.82	6.569		
7,900.00	7,125.34	6,996.36	6,806.79	44.28	32.87	-25.55	-1,602.19	675.65	422.18	365.45	56.74	7.441		
8,000.00	7,125.58	6,947.59	6,773.61	45.61	32.73	-22.43	-1,596.20	640.43	484.36	426.67	57.69	8.396		
8,100.00	7,125.82	6,911.00	6,747.36	47.10	32.63	-20.18	-1,590.77	615.52	551.97	492.67	59.29	9.309		
8,200.00	7,126.06	6,863.23	6,711.64	48.72	32.47	-17.44	-1,582.77	584.84	623.74	563.81	59.93	10.408		
8,300.00	7,126.30	6,815.00	6,674.17	50.48	32.32	-14.92	-1,573.87	555.82	699.22	638.74	60.47	11.562		
8,400.00	7,126.54	6,793.86	6,657.31	52.34	32.24	-13.90	-1,569.82	543.73	777.32	715.27	62.06	12.526		
8,500.00	7,126.78	6,764.70	6,633.59	54.30	32.14	-12.60	-1,564.29	527.69	858.11	795.10	63.00	13.620		
8,600.00	7,127.02	6,720.00	6,596.25	56.35	31.98	-10.81	-1,556.00	504.56	941.36	878.10	63.26	14.882		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,720.00	6,596.25	58.47	31.98	-10.81	-1,556.00	504.56	1,025.73	961.04	64.68	15.858		
8,800.00	7,127.50	6,693.28	6,573.38	60.66	31.88	-9.84	-1,551.11	491.64	1,111.94	1,046.74	65.20	17.054		
8,900.00	7,127.74	6,674.21	6,556.81	62.90	31.81	-9.20	-1,547.62	482.88	1,199.56	1,133.77	65.78	18.235		
9,000.00	7,127.98	6,656.75	6,541.45	65.19	31.75	-8.64	-1,544.43	475.20	1,288.35	1,222.05	66.29	19.434		
9,100.00	7,128.22	6,627.00	6,514.92	67.53	31.63	-7.74	-1,539.02	462.88	1,378.33	1,311.80	66.53	20.718		
9,200.00	7,128.46	6,627.00	6,514.92	69.92	31.63	-7.74	-1,539.02	462.88	1,468.84	1,401.70	67.14	21.876		
9,300.00	7,128.70	6,627.00	6,514.92	72.33	31.63	-7.74	-1,539.02	462.88	1,560.52	1,492.87	67.65	23.068		
9,400.00	7,128.94	6,627.00	6,514.92	74.78	31.63	-7.74	-1,539.02	462.88	1,653.15	1,585.09	68.06	24.288		
9,500.00	7,129.18	6,593.21	6,484.22	77.26	31.49	-6.80	-1,532.81	450.22	1,745.43	1,677.33	68.10	25.630		
9,600.00	7,129.42	6,583.89	6,475.65	79.76	31.46	-6.55	-1,531.07	447.01	1,838.86	1,770.51	68.35	26.903		
9,700.00	7,129.66	6,575.26	6,467.67	82.29	31.42	-6.33	-1,529.44	444.14	1,932.79	1,864.22	68.57	28.185		
9,800.00	7,129.90	6,567.23	6,460.22	84.84	31.39	-6.12	-1,527.93	441.57	2,027.17	1,958.40	68.78	29.475		
9,900.00	7,130.14	6,533.00	6,428.13	87.41	31.25	-5.29	-1,521.38	431.63	2,122.65	2,053.87	68.78	30.861		
10,000.00	7,130.38	6,533.00	6,428.13	90.00	31.25	-5.29	-1,521.38	431.63	2,217.48	2,148.47	69.00	32.136		
10,100.00	7,130.62	6,533.00	6,428.13	92.60	31.25	-5.29	-1,521.38	431.63	2,312.73	2,243.54	69.20	33.423		
10,200.00	7,130.86	6,533.00	6,428.13	95.22	31.25	-5.29	-1,521.38	431.63	2,408.37	2,339.01	69.37	34.720		
10,300.00	7,131.09	6,533.00	6,428.13	97.85	31.25	-5.29	-1,521.38	431.63	2,504.36	2,434.84	69.52	36.025		
10,400.00	7,131.33	6,533.00	6,428.13	100.50	31.25	-5.29	-1,521.38	431.63	2,600.64	2,530.99	69.65	37.337		
10,500.00	7,131.57	6,533.00	6,428.13	103.16	31.25	-5.29	-1,521.38	431.63	2,697.20	2,627.42	69.78	38.655		
10,600.00	7,131.81	6,533.00	6,428.13	105.82	31.25	-5.29	-1,521.38	431.63	2,794.00	2,724.11	69.89	39.978		
10,700.00	7,132.05	6,533.00	6,428.13	108.50	31.25	-5.29	-1,521.38	431.63	2,891.01	2,821.02	69.99	41.306		
10,800.00	7,132.29	6,533.00	6,428.13	111.19	31.25	-5.29	-1,521.38	431.63	2,988.22	2,918.14	70.08	42.638		
10,900.00	7,132.53	6,533.00	6,428.13	113.88	31.25	-5.29	-1,521.38	431.63	3,085.61	3,015.44	70.17	43.973		
11,000.00	7,132.77	6,533.00	6,428.13	116.58	31.25	-5.29	-1,521.38	431.63	3,183.17	3,112.92	70.25	45.311		
11,100.00	7,133.01	6,533.00	6,428.13	119.29	31.25	-5.29	-1,521.38	431.63	3,280.87	3,210.54	70.33	46.652		
11,200.00	7,133.25	6,533.00	6,428.13	122.01	31.25	-5.29	-1,521.38	431.63	3,378.70	3,308.30	70.40	47.994		
11,300.00	7,133.49	6,533.00	6,428.13	124.73	31.25	-5.29	-1,521.38	431.63	3,476.66	3,406.19	70.47	49.338		
11,400.00	7,133.73	6,533.00	6,428.13	127.46	31.25	-5.29	-1,521.38	431.63	3,574.73	3,504.20	70.53	50.683		
11,500.00	7,133.97	6,493.01	6,389.98	130.19	31.07	-4.40	-1,513.76	422.42	3,671.23	3,600.71	70.52	52.061		
11,600.00	7,134.21	6,490.59	6,387.64	132.93	31.05	-4.35	-1,513.31	421.95	3,769.30	3,698.72	70.58	53.406		
11,700.00	7,134.45	6,488.27	6,385.41	135.68	31.04	-4.31	-1,512.88	421.51	3,867.45	3,796.82	70.64	54.752		
11,800.00	7,134.69	6,486.05	6,383.27	138.43	31.03	-4.26	-1,512.46	421.10	3,965.69	3,895.00	70.69	56.097		
11,900.00	7,134.93	6,483.93	6,381.22	141.18	31.02	-4.22	-1,512.07	420.72	4,064.01	3,993.26	70.75	57.442		
12,000.00	7,135.17	6,481.89	6,379.25	143.94	31.02	-4.18	-1,511.69	420.36	4,162.39	4,091.59	70.80	58.787		
12,100.00	7,135.41	6,440.00	6,338.47	146.70	30.83	-3.39	-1,504.06	414.59	4,262.48	4,191.68	70.80	60.202		
12,200.00	7,135.65	6,440.00	6,338.47	149.46	30.83	-3.39	-1,504.06	414.59	4,360.84	4,289.98	70.86	61.540		
12,300.00	7,135.89	6,440.00	6,338.47	152.23	30.83	-3.39	-1,504.06	414.59	4,459.28	4,388.36	70.92	62.878		
12,400.00	7,136.13	6,440.00	6,338.47	155.00	30.83	-3.39	-1,504.06	414.59	4,557.78	4,486.80	70.98	64.215		
12,500.00	7,136.37	6,440.00	6,338.47	157.78	30.83	-3.39	-1,504.06	414.59	4,656.35	4,585.31	71.03	65.552		
12,600.00	7,136.61	6,440.00	6,338.47	160.55	30.83	-3.39	-1,504.06	414.59	4,754.97	4,683.89	71.09	66.887		
12,700.00	7,136.85	6,440.00	6,338.47	163.33	30.83	-3.39	-1,504.06	414.59	4,853.66	4,782.51	71.14	68.223		
12,800.00	7,137.09	6,440.00	6,338.47	166.12	30.83	-3.39	-1,504.06	414.59	4,952.39	4,881.19	71.20	69.556		
12,900.00	7,137.33	6,440.00	6,338.47	168.90	30.83	-3.39	-1,504.06	414.59	5,051.18	4,979.92	71.25	70.889		
13,000.00	7,137.57	6,440.00	6,338.47	171.69	30.83	-3.39	-1,504.06	414.59	5,150.01	5,078.70	71.31	72.221		
13,100.00	7,137.81	6,440.00	6,338.47	174.48	30.83	-3.39	-1,504.06	414.59	5,248.89	5,177.52	71.36	73.551		
13,200.00	7,138.05	6,440.00	6,338.47	177.27	30.83	-3.39	-1,504.06	414.59	5,347.80	5,276.38	71.42	74.880		
13,300.00	7,138.29	6,440.00	6,338.47	180.07	30.83	-3.39	-1,504.06	414.59	5,446.76	5,375.29	71.47	76.207		
13,400.00	7,138.53	6,440.00	6,338.47	182.86	30.83	-3.39	-1,504.06	414.59	5,545.76	5,474.23	71.53	77.532		
13,500.00	7,138.77	6,440.00	6,338.47	185.66	30.83	-3.39	-1,504.06	414.59	5,644.79	5,573.20	71.58	78.856		
13,600.00	7,139.01	6,440.00	6,338.47	188.46	30.83	-3.39	-1,504.06	414.59	5,743.85	5,672.21	71.64	80.177		
13,700.00	7,139.25	6,440.00	6,338.47	191.26	30.83	-3.39	-1,504.06	414.59	5,842.95	5,771.25	71.70	81.497		
13,800.00	7,139.49	6,440.00	6,338.47	194.06	30.83	-3.39	-1,504.06	414.59	5,942.07	5,870.32	71.75	82.815		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,440.00	6,338.47	196.87	30.83	-3.39	-1,504.06	414.59	6,041.23	5,969.42	71.81	84.130		
14,000.00	7,139.97	6,440.00	6,338.47	199.68	30.83	-3.39	-1,504.06	414.59	6,140.41	6,068.54	71.87	85.443		
14,100.00	7,140.21	6,440.00	6,338.47	202.48	30.83	-3.39	-1,504.06	414.59	6,239.62	6,167.70	71.92	86.754		
14,200.00	7,140.45	6,440.00	6,338.47	205.29	30.83	-3.39	-1,504.06	414.59	6,338.85	6,266.87	71.98	88.063		
14,300.00	7,140.69	6,440.00	6,338.47	208.10	30.83	-3.39	-1,504.06	414.59	6,438.11	6,366.07	72.04	89.369		
14,400.00	7,140.93	6,440.00	6,338.47	210.91	30.83	-3.39	-1,504.06	414.59	6,537.39	6,465.29	72.10	90.673		
14,500.00	7,141.17	6,440.00	6,338.47	213.73	30.83	-3.39	-1,504.06	414.59	6,636.69	6,564.53	72.16	91.974		
14,600.00	7,141.41	6,440.00	6,338.47	216.54	30.83	-3.39	-1,504.06	414.59	6,736.01	6,663.79	72.22	93.273		
14,700.00	7,141.65	6,440.00	6,338.47	219.36	30.83	-3.39	-1,504.06	414.59	6,835.35	6,763.07	72.28	94.569		
14,800.00	7,141.89	6,440.00	6,338.47	222.17	30.83	-3.39	-1,504.06	414.59	6,934.71	6,862.37	72.34	95.862		
14,900.00	7,142.13	6,440.00	6,338.47	224.99	30.83	-3.39	-1,504.06	414.59	7,034.09	6,961.69	72.40	97.153		
15,000.00	7,142.36	6,440.00	6,338.47	227.81	30.83	-3.39	-1,504.06	414.59	7,133.49	7,061.02	72.46	98.441		
15,100.00	7,142.60	6,440.00	6,338.47	230.63	30.83	-3.39	-1,504.06	414.59	7,232.90	7,160.37	72.53	99.725		
15,200.00	7,142.84	6,440.00	6,338.47	233.45	30.83	-3.39	-1,504.06	414.59	7,332.33	7,259.74	72.59	101.007		
15,300.00	7,143.08	6,440.00	6,338.47	236.27	30.83	-3.39	-1,504.06	414.59	7,431.78	7,359.12	72.66	102.286		
15,400.00	7,143.32	6,440.00	6,338.47	239.09	30.83	-3.39	-1,504.06	414.59	7,531.23	7,458.51	72.72	103.562		
15,500.00	7,143.56	6,440.00	6,338.47	241.91	30.83	-3.39	-1,504.06	414.59	7,630.71	7,557.92	72.79	104.835		
15,600.00	7,143.80	6,440.00	6,338.47	244.73	30.83	-3.39	-1,504.06	414.59	7,730.19	7,657.34	72.85	106.105		
15,700.00	7,144.04	6,440.00	6,338.47	247.56	30.83	-3.39	-1,504.06	414.59	7,829.69	7,756.77	72.92	107.372		
15,800.00	7,144.28	6,440.00	6,338.47	250.38	30.83	-3.39	-1,504.06	414.59	7,929.21	7,856.22	72.99	108.636		
15,900.00	7,144.52	6,440.00	6,338.47	253.21	30.83	-3.39	-1,504.06	414.59	8,028.73	7,955.67	73.06	109.896		
16,000.00	7,144.76	6,440.00	6,338.47	256.03	30.83	-3.39	-1,504.06	414.59	8,128.27	8,055.14	73.13	111.153		
16,100.00	7,145.00	6,440.00	6,338.47	258.86	30.83	-3.39	-1,504.06	414.59	8,227.81	8,154.62	73.20	112.407		
16,200.00	7,145.24	6,440.00	6,338.47	261.69	30.83	-3.39	-1,504.06	414.59	8,327.37	8,254.10	73.27	113.657		
16,300.00	7,145.48	6,440.00	6,338.47	264.52	30.83	-3.39	-1,504.06	414.59	8,426.94	8,353.60	73.34	114.905		
16,400.00	7,145.72	6,440.00	6,338.47	267.35	30.83	-3.39	-1,504.06	414.59	8,526.52	8,453.11	73.41	116.148		
16,500.00	7,145.96	6,440.00	6,338.47	270.18	30.83	-3.39	-1,504.06	414.59	8,626.11	8,552.62	73.48	117.389		
16,600.00	7,146.20	6,440.00	6,338.47	273.01	30.83	-3.39	-1,504.06	414.59	8,725.71	8,652.15	73.56	118.626		
16,700.00	7,146.44	6,440.00	6,338.47	275.84	30.83	-3.39	-1,504.06	414.59	8,825.31	8,751.68	73.63	119.859		
16,800.00	7,146.68	6,440.00	6,338.47	278.67	30.83	-3.39	-1,504.06	414.59	8,924.93	8,851.22	73.71	121.089		
16,900.00	7,146.92	6,440.00	6,338.47	281.50	30.83	-3.39	-1,504.06	414.59	9,024.55	8,950.77	73.78	122.316		
17,000.00	7,147.16	6,440.00	6,338.47	284.33	30.83	-3.39	-1,504.06	414.59	9,124.18	9,050.33	73.86	123.539		
17,100.00	7,147.40	6,440.00	6,338.47	287.16	30.83	-3.39	-1,504.06	414.59	9,223.83	9,149.89	73.93	124.758		
17,200.00	7,147.64	6,440.00	6,338.47	290.00	30.83	-3.39	-1,504.06	414.59	9,323.47	9,249.46	74.01	125.974		
17,300.00	7,147.88	6,440.00	6,338.47	292.83	30.83	-3.39	-1,504.06	414.59	9,423.13	9,349.04	74.09	127.186		
17,400.00	7,148.12	6,440.00	6,338.47	295.66	30.83	-3.39	-1,504.06	414.59	9,522.79	9,448.62	74.17	128.395		
17,500.00	7,148.36	6,440.00	6,338.47	298.50	30.83	-3.39	-1,504.06	414.59	9,622.46	9,548.21	74.25	129.599		
17,600.00	7,148.60	6,440.00	6,338.47	301.33	30.83	-3.39	-1,504.06	414.59	9,722.14	9,647.81	74.33	130.801		
17,700.00	7,148.84	6,440.00	6,338.47	304.17	30.83	-3.39	-1,504.06	414.59	9,821.82	9,747.41	74.41	131.998		
17,800.00	7,149.08	6,440.00	6,338.47	307.00	30.83	-3.39	-1,504.06	414.59	9,921.51	9,847.02	74.49	133.192		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	140.18	-607.66	506.71	791.28					
100.00	100.00	94.66	94.66	3.28	3.29	140.17	-607.37	506.52	790.88	784.31	6.57	120.351		
200.00	200.00	201.00	200.99	3.34	3.31	140.16	-606.37	505.87	789.77	783.12	6.65	118.804		
300.00	299.98	309.20	309.17	3.44	3.38	2.88	-604.32	504.97	786.04	779.21	6.82	115.191		
400.00	399.84	422.70	422.56	3.59	3.53	2.68	-599.42	504.83	777.44	770.30	7.14	108.881		
500.00	499.45	526.13	525.81	3.80	3.73	2.47	-593.54	504.29	764.07	756.54	7.54	101.371		
600.00	598.70	608.91	608.52	4.04	3.91	2.45	-590.48	502.93	748.06	740.11	7.95	94.068		
700.00	697.47	694.35	693.93	4.32	4.12	2.64	-590.31	500.67	730.60	722.16	8.44	86.607		
800.00	795.62	779.99	779.41	4.65	4.35	3.14	-593.54	496.60	711.38	702.41	8.97	79.294		
900.00	893.06	872.40	871.25	5.01	4.62	4.12	-600.85	489.58	690.23	680.66	9.58	72.083		
1,000.00	989.64	965.71	963.53	5.42	4.91	5.53	-610.64	479.85	666.23	656.00	10.23	65.119		
1,044.50	1,032.32	1,006.15	1,003.32	5.61	5.04	6.30	-615.71	474.78	654.76	644.23	10.54	62.136		
1,100.00	1,085.43	1,055.79	1,052.07	5.86	5.22	7.30	-622.41	468.21	640.41	629.49	10.92	58.632		
1,200.00	1,181.11	1,145.35	1,139.83	6.33	5.55	9.29	-635.39	455.94	615.68	604.04	11.64	52.877		
1,300.00	1,276.80	1,235.79	1,228.23	6.81	5.90	11.54	-649.55	443.11	592.54	580.14	12.40	47.780		
1,400.00	1,372.49	1,330.94	1,321.01	7.31	6.28	14.17	-665.20	428.96	570.84	557.63	13.21	43.214		
1,500.00	1,468.17	1,429.32	1,416.85	7.83	6.70	17.17	-681.04	413.39	549.76	535.70	14.06	39.106		
1,600.00	1,563.86	1,529.34	1,514.44	8.35	7.14	20.39	-696.15	397.59	529.36	514.42	14.94	35.441		
1,700.00	1,659.55	1,628.51	1,611.63	8.88	7.57	23.65	-709.32	382.89	509.26	493.43	15.83	32.174		
1,800.00	1,755.23	1,723.37	1,705.07	9.42	7.99	26.72	-720.56	371.05	490.14	473.42	16.72	29.320		
1,900.00	1,850.92	1,816.97	1,797.69	9.97	8.39	29.57	-731.02	362.56	472.67	455.06	17.61	26.845		
2,000.00	1,946.61	1,913.18	1,893.20	10.52	8.80	32.30	-741.22	357.00	456.55	438.04	18.51	24.663		
2,100.00	2,042.29	2,027.22	2,006.58	11.07	9.28	35.75	-751.46	350.39	440.11	420.65	19.47	22.608		
2,200.00	2,137.98	2,124.47	2,103.40	11.63	9.69	39.04	-757.41	343.67	422.01	401.60	20.41	20.678		
2,300.00	2,233.67	2,219.66	2,198.25	12.19	10.09	42.37	-763.21	338.14	405.40	384.03	21.36	18.976		
2,400.00	2,329.35	2,314.41	2,292.71	12.76	10.49	45.82	-769.09	333.45	390.41	368.07	22.33	17.480		
2,500.00	2,425.04	2,431.04	2,409.15	13.32	10.98	50.29	-773.49	328.78	374.63	351.31	23.32	16.062		
2,600.00	2,520.72	2,522.05	2,500.09	13.89	11.36	53.95	-775.53	326.11	358.91	334.58	24.33	14.749		
2,700.00	2,616.41	2,618.48	2,596.47	14.46	11.76	58.11	-777.59	323.50	344.89	319.53	25.36	13.599		
2,800.00	2,712.10	2,715.47	2,693.41	15.03	12.16	62.63	-779.20	320.84	332.49	306.08	26.41	12.591		
2,900.00	2,807.78	2,812.10	2,789.98	15.60	12.56	67.49	-780.58	317.91	322.28	294.81	27.47	11.732		
3,000.00	2,903.47	2,913.78	2,891.64	16.18	12.98	72.77	-780.78	316.23	312.96	284.43	28.53	10.970		
3,100.00	2,999.16	3,008.29	2,986.15	16.75	13.36	77.88	-780.58	315.17	305.72	276.12	29.59	10.331		
3,200.00	3,094.84	3,102.61	3,080.46	17.33	13.75	83.18	-780.66	313.77	301.73	271.08	30.65	9.845		
3,285.74	3,176.88	3,184.77	3,162.61	17.82	14.09	87.85	-780.77	312.58	300.66	269.13	31.53	9.535 CC		
3,300.00	3,190.53	3,198.29	3,176.12	17.90	14.15	88.62	-780.79	312.39	300.69	269.01	31.68	9.492 ES		
3,400.00	3,286.22	3,293.49	3,271.32	18.48	14.55	94.03	-780.93	310.93	302.71	270.04	32.67	9.264		
3,500.00	3,381.90	3,389.98	3,367.80	19.06	14.95	99.42	-780.91	309.50	307.51	273.87	33.64	9.142		
3,600.00	3,477.59	3,486.52	3,464.32	19.64	15.35	104.68	-780.35	308.27	314.69	280.14	34.55	9.108 SF		
3,700.00	3,573.28	3,582.33	3,560.13	20.22	15.74	109.72	-779.35	307.08	324.36	288.94	35.42	9.157		
3,800.00	3,668.96	3,677.41	3,655.20	20.80	16.13	114.40	-778.38	306.06	336.40	300.14	36.26	9.278		
3,900.00	3,764.65	3,773.56	3,751.33	21.38	16.52	118.78	-777.60	304.93	350.81	313.74	37.08	9.462		
4,000.00	3,860.33	3,877.26	3,855.03	21.96	16.94	123.02	-777.22	305.04	366.06	328.13	37.93	9.652		
4,100.00	3,956.02	3,976.22	3,953.96	22.54	17.33	126.71	-776.74	307.40	380.71	341.99	38.72	9.831		
4,200.00	4,051.71	4,070.24	4,047.96	23.13	17.69	129.94	-776.42	309.30	397.16	357.68	39.48	10.060		
4,300.00	4,147.39	4,165.24	4,142.95	23.71	18.06	132.93	-776.29	310.89	415.17	374.94	40.24	10.318		
4,400.00	4,243.08	4,259.18	4,236.87	24.29	18.43	135.57	-776.71	312.19	434.50	393.51	40.99	10.599		
4,500.00	4,338.77	4,353.63	4,331.32	24.88	18.80	137.98	-777.30	312.96	455.24	413.48	41.76	10.901		
4,600.00	4,434.45	4,449.20	4,426.88	25.46	19.19	140.14	-778.38	313.54	476.86	434.30	42.55	11.207		
4,700.00	4,530.14	4,544.53	4,522.20	26.04	19.58	142.08	-779.84	313.95	499.19	455.84	43.35	11.515		
4,800.00	4,625.83	4,640.25	4,617.91	26.63	19.98	143.85	-781.30	314.22	522.17	478.01	44.16	11.824		
4,900.00	4,721.51	4,738.96	4,716.60	27.21	20.39	145.50	-783.04	314.60	545.47	500.45	45.01	12.118		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,831.30	4,808.90	27.80	20.78	146.83	-785.66	314.89	568.93	523.13	45.81	12.420		
5,100.00	4,912.89	4,921.08	4,898.65	28.38	21.16	148.00	-788.06	314.14	593.80	547.22	46.58	12.749		
5,200.00	5,008.57	5,013.75	4,991.29	28.97	21.56	149.15	-790.03	312.69	619.73	572.34	47.39	13.078		
5,300.00	5,104.26	5,109.72	5,087.23	29.55	21.97	150.28	-791.65	311.12	646.09	597.86	48.24	13.394		
5,400.00	5,199.94	5,204.90	5,182.39	30.14	22.38	151.37	-792.71	309.86	672.59	623.51	49.08	13.705		
5,500.00	5,295.63	5,295.39	5,272.88	30.72	22.75	152.51	-791.57	309.09	699.68	649.85	49.83	14.040		
5,600.00	5,391.32	5,386.13	5,363.58	31.31	23.13	153.66	-789.25	307.97	727.83	677.24	50.59	14.387		
5,700.00	5,487.00	5,476.24	5,453.63	31.90	23.50	154.72	-786.73	306.54	756.66	705.32	51.34	14.738		
5,800.00	5,582.69	5,574.20	5,551.55	32.48	23.91	155.71	-784.68	304.10	786.27	734.05	52.22	15.058		
5,900.00	5,678.38	5,683.46	5,660.78	33.07	24.38	156.59	-784.92	302.04	814.59	761.34	53.25	15.296		
6,000.00	5,774.06	5,786.18	5,763.48	33.65	24.82	157.29	-786.59	300.93	841.78	787.57	54.21	15.528		
6,100.00	5,869.75	5,870.85	5,848.14	34.24	25.18	157.87	-787.40	300.21	869.17	814.23	54.94	15.821		
6,200.00	5,965.44	5,963.26	5,940.54	34.83	25.57	158.58	-786.27	299.02	897.93	842.18	55.75	16.106		
6,300.00	6,061.12	6,064.52	6,041.80	35.41	26.00	159.29	-785.43	298.07	926.37	869.69	56.68	16.344		
6,400.00	6,156.81	6,161.33	6,138.60	36.00	26.41	159.92	-785.04	297.44	954.48	896.93	57.55	16.584		
6,500.00	6,252.50	6,256.46	6,233.72	36.59	26.81	160.50	-784.58	296.85	982.70	924.29	58.41	16.824		
6,600.00	6,348.18	7,753.10	7,146.36	37.18	37.56	-150.59	-781.49	1,172.89	948.34	903.34	45.00	21.075		
6,636.04	6,382.67	7,758.63	7,146.43	37.39	37.65	-150.14	-781.52	1,178.42	923.30	876.74	46.56	19.830		
6,650.00	6,396.05	7,760.69	7,146.46	37.47	37.68	-152.10	-781.53	1,180.48	913.77	866.59	47.18	19.366		
6,700.00	6,444.38	7,766.37	7,146.55	37.74	37.77	-162.19	-781.56	1,186.15	880.28	830.81	49.47	17.795		
6,750.00	6,493.07	7,769.25	7,146.60	37.98	37.82	-176.80	-781.57	1,189.04	848.09	796.26	51.83	16.364		
6,800.00	6,541.82	7,769.21	7,146.60	38.18	37.82	167.03	-781.57	1,188.99	817.62	763.38	54.23	15.076		
6,850.00	6,590.35	7,766.11	7,146.55	38.35	37.77	153.29	-781.55	1,185.89	789.25	732.60	56.65	13.932		
6,900.00	6,638.34	7,759.83	7,146.45	38.50	37.67	143.32	-781.53	1,179.61	763.38	704.34	59.03	12.931		
6,950.00	6,685.50	7,750.28	7,146.33	38.64	37.51	136.32	-781.48	1,170.06	740.30	678.97	61.33	12.070		
7,000.00	6,731.54	7,737.37	7,146.23	38.77	37.30	131.19	-781.39	1,157.15	720.30	656.81	63.49	11.345		
7,050.00	6,776.18	7,721.05	7,146.21	38.90	37.03	127.13	-781.27	1,140.83	703.54	638.10	65.45	10.750		
7,100.00	6,819.14	7,701.43	7,146.32	39.03	36.71	123.65	-781.09	1,121.21	690.09	622.94	67.15	10.276		
7,150.00	6,860.16	7,669.72	7,146.47	39.16	36.24	119.85	-780.80	1,089.51	679.73	611.27	68.46	9.929		
7,200.00	6,898.98	7,635.22	7,146.27	39.31	35.73	116.24	-780.57	1,055.01	672.10	602.62	69.48	9.674		
7,250.00	6,935.36	7,598.56	7,145.61	39.47	35.20	112.79	-780.41	1,018.36	666.92	596.70	70.23	9.497		
7,300.00	6,969.08	7,561.93	7,144.12	39.65	34.71	109.55	-780.14	981.76	663.95	593.15	70.80	9.378		
7,348.06	6,998.80	7,528.97	7,141.92	39.85	34.24	106.73	-779.75	948.87	662.93	591.74	71.19	9.312		
7,350.00	6,999.94	7,527.22	7,141.78	39.85	34.22	106.59	-779.72	947.13	662.93	591.73	71.20	9.311		
7,400.00	7,027.74	7,481.48	7,137.31	40.08	33.68	103.17	-778.92	901.62	663.57	592.23	71.33	9.302		
7,450.00	7,052.31	7,434.69	7,131.47	40.34	33.13	99.93	-778.40	855.20	665.15	593.83	71.31	9.327		
7,500.00	7,073.49	7,390.70	7,124.38	40.63	32.66	97.05	-778.08	811.79	667.37	596.09	71.29	9.362		
7,550.00	7,091.17	7,350.76	7,114.98	40.95	32.26	94.43	-777.54	773.00	670.33	599.03	71.30	9.402		
7,600.00	7,105.22	7,309.02	7,102.00	41.31	31.86	91.78	-776.72	733.34	673.99	602.74	71.25	9.459		
7,650.00	7,115.57	7,258.22	7,082.54	41.71	31.43	88.80	-776.20	686.43	677.64	606.64	71.01	9.543		
7,700.00	7,122.15	7,209.69	7,060.46	42.15	31.06	86.05	-776.45	643.23	681.02	610.24	70.78	9.622		
7,750.00	7,124.91	7,163.19	7,036.07	42.62	30.74	83.51	-777.42	603.66	684.05	613.46	70.59	9.690		
7,759.54	7,125.00	7,154.60	7,031.24	42.72	30.69	83.05	-777.68	596.58	684.59	614.03	70.56	9.702		
7,800.00	7,125.10	7,123.45	7,012.84	43.13	30.49	81.51	-778.81	571.47	687.22	616.67	70.55	9.741		
7,900.00	7,125.34	7,068.10	6,977.65	44.28	30.19	78.60	-780.34	528.79	699.00	627.91	71.09	9.833		
8,000.00	7,125.58	7,017.95	6,943.27	45.61	29.93	75.82	-780.90	492.28	719.08	647.44	71.64	10.037		
8,100.00	7,125.82	6,972.93	6,910.24	47.10	29.73	73.22	-781.03	461.71	747.54	675.34	72.19	10.354		
8,200.00	7,126.06	6,941.00	6,885.60	48.72	29.59	71.33	-780.96	441.41	784.32	711.36	72.96	10.750		
8,300.00	7,126.30	6,898.24	6,850.97	50.48	29.42	68.74	-780.95	416.34	828.72	755.50	73.22	11.319		
8,400.00	7,126.54	6,868.67	6,825.93	52.34	29.30	66.92	-781.17	400.61	880.28	806.61	73.67	11.948		
8,500.00	7,126.78	6,846.00	6,806.19	54.30	29.21	65.52	-781.46	389.48	938.22	864.07	74.15	12.653		
8,600.00	7,127.02	6,808.35	6,772.81	56.35	29.07	63.20	-782.16	372.09	1,001.35	927.24	74.11	13.512		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,777.22	6,744.87	58.47	28.95	61.32	-782.93	358.37	1,068.76	994.61	74.16	14.412		
8,800.00	7,127.50	6,753.00	6,722.95	60.66	28.85	59.88	-783.65	348.11	1,139.86	1,065.57	74.29	15.343		
8,900.00	7,127.74	6,753.00	6,722.95	62.90	28.85	59.88	-783.65	348.11	1,214.68	1,139.86	74.81	16.236		
9,000.00	7,127.98	6,753.00	6,722.95	65.19	28.85	59.88	-783.65	348.11	1,292.91	1,217.72	75.19	17.195		
9,100.00	7,128.22	6,716.77	6,689.51	67.53	28.71	57.78	-784.53	334.21	1,372.24	1,297.30	74.93	18.313		
9,200.00	7,128.46	6,707.58	6,680.88	69.92	28.68	57.25	-784.66	331.07	1,454.69	1,379.63	75.06	19.380		
9,300.00	7,128.70	6,699.25	6,673.00	72.33	28.64	56.78	-784.75	328.35	1,539.03	1,463.88	75.15	20.479		
9,400.00	7,128.94	6,659.00	6,634.39	74.78	28.49	54.54	-784.76	317.03	1,626.36	1,551.53	74.83	21.733		
9,500.00	7,129.18	6,659.00	6,634.39	77.26	28.49	54.54	-784.76	317.03	1,713.20	1,638.21	74.99	22.846		
9,600.00	7,129.42	6,659.00	6,634.39	79.76	28.49	54.54	-784.76	317.03	1,801.40	1,726.30	75.10	23.988		
9,700.00	7,129.66	6,659.00	6,634.39	82.29	28.49	54.54	-784.76	317.03	1,890.78	1,815.60	75.17	25.152		
9,800.00	7,129.90	6,659.00	6,634.39	84.84	28.49	54.54	-784.76	317.03	1,981.17	1,905.94	75.23	26.336		
9,900.00	7,130.14	6,659.00	6,634.39	87.41	28.49	54.54	-784.76	317.03	2,072.44	1,997.19	75.26	27.538		
10,000.00	7,130.38	6,659.00	6,634.39	90.00	28.49	54.54	-784.76	317.03	2,164.49	2,089.21	75.27	28.755		
10,100.00	7,130.62	6,659.00	6,634.39	92.60	28.49	54.54	-784.76	317.03	2,257.21	2,181.93	75.28	29.985		
10,200.00	7,130.86	6,659.00	6,634.39	95.22	28.49	54.54	-784.76	317.03	2,350.53	2,275.26	75.28	31.226		
10,300.00	7,131.09	6,659.00	6,634.39	97.85	28.49	54.54	-784.76	317.03	2,444.38	2,369.11	75.27	32.476		
10,400.00	7,131.33	6,659.00	6,634.39	100.50	28.49	54.54	-784.76	317.03	2,538.70	2,463.44	75.25	33.736		
10,500.00	7,131.57	6,659.00	6,634.39	103.16	28.49	54.54	-784.76	317.03	2,633.43	2,558.20	75.23	35.003		
10,600.00	7,131.81	6,659.00	6,634.39	105.82	28.49	54.54	-784.76	317.03	2,728.55	2,653.33	75.21	36.277		
10,700.00	7,132.05	6,620.85	6,597.17	108.50	28.34	52.51	-784.41	308.69	2,822.80	2,747.75	75.05	37.610		
10,800.00	7,132.29	6,616.84	6,593.23	111.19	28.32	52.31	-784.37	307.92	2,918.30	2,843.27	75.03	38.896		
10,900.00	7,132.53	6,613.04	6,589.50	113.88	28.31	52.11	-784.33	307.21	3,014.06	2,939.06	75.00	40.186		
11,000.00	7,132.77	6,609.43	6,585.95	116.58	28.29	51.92	-784.29	306.55	3,110.08	3,035.10	74.98	41.479		
11,100.00	7,133.01	6,606.01	6,582.58	119.29	28.28	51.75	-784.25	305.95	3,206.31	3,131.35	74.96	42.774		
11,200.00	7,133.25	6,602.75	6,579.37	122.01	28.26	51.58	-784.21	305.38	3,302.75	3,227.81	74.94	44.073		
11,300.00	7,133.49	6,564.00	6,541.04	124.73	28.11	49.66	-783.74	299.75	3,400.40	3,325.58	74.82	45.448		
11,400.00	7,133.73	6,564.00	6,541.04	127.46	28.11	49.66	-783.74	299.75	3,497.04	3,422.22	74.82	46.742		
11,500.00	7,133.97	6,564.00	6,541.04	130.19	28.11	49.66	-783.74	299.75	3,593.87	3,519.05	74.81	48.037		
11,600.00	7,134.21	6,564.00	6,541.04	132.93	28.11	49.66	-783.74	299.75	3,690.86	3,616.05	74.81	49.335		
11,700.00	7,134.45	6,564.00	6,541.04	135.68	28.11	49.66	-783.74	299.75	3,788.01	3,713.20	74.81	50.635		
11,800.00	7,134.69	6,564.00	6,541.04	138.43	28.11	49.66	-783.74	299.75	3,885.31	3,810.50	74.81	51.936		
11,900.00	7,134.93	6,564.00	6,541.04	141.18	28.11	49.66	-783.74	299.75	3,982.74	3,907.93	74.81	53.238		
12,000.00	7,135.17	6,564.00	6,541.04	143.94	28.11	49.66	-783.74	299.75	4,080.29	4,005.48	74.81	54.542		
12,100.00	7,135.41	6,564.00	6,541.04	146.70	28.11	49.66	-783.74	299.75	4,177.96	4,103.15	74.81	55.846		
12,200.00	7,135.65	6,564.00	6,541.04	149.46	28.11	49.66	-783.74	299.75	4,275.74	4,200.92	74.82	57.150		
12,300.00	7,135.89	6,564.00	6,541.04	152.23	28.11	49.66	-783.74	299.75	4,373.62	4,298.80	74.82	58.456		
12,400.00	7,136.13	6,564.00	6,541.04	155.00	28.11	49.66	-783.74	299.75	4,471.59	4,396.77	74.82	59.761		
12,500.00	7,136.37	6,564.00	6,541.04	157.78	28.11	49.66	-783.74	299.75	4,569.65	4,494.82	74.83	61.066		
12,600.00	7,136.61	6,564.00	6,541.04	160.55	28.11	49.66	-783.74	299.75	4,667.79	4,592.95	74.84	62.371		
12,700.00	7,136.85	6,564.00	6,541.04	163.33	28.11	49.66	-783.74	299.75	4,766.01	4,691.16	74.85	63.676		
12,800.00	7,137.09	6,564.00	6,541.04	166.12	28.11	49.66	-783.74	299.75	4,864.30	4,789.44	74.86	64.980		
12,900.00	7,137.33	6,564.00	6,541.04	168.90	28.11	49.66	-783.74	299.75	4,962.66	4,887.79	74.87	66.283		
13,000.00	7,137.57	6,564.00	6,541.04	171.69	28.11	49.66	-783.74	299.75	5,061.09	4,986.21	74.88	67.586		
13,100.00	7,137.81	6,564.00	6,541.04	174.48	28.11	49.66	-783.74	299.75	5,159.57	5,084.68	74.90	68.889		
13,200.00	7,138.05	6,564.00	6,541.04	177.27	28.11	49.66	-783.74	299.75	5,258.12	5,183.20	74.91	70.190		
13,300.00	7,138.29	6,564.00	6,541.04	180.07	28.11	49.66	-783.74	299.75	5,356.71	5,281.78	74.93	71.490		
13,400.00	7,138.53	6,564.00	6,541.04	182.86	28.11	49.66	-783.74	299.75	5,455.36	5,380.41	74.95	72.789		
13,500.00	7,138.77	6,564.00	6,541.04	185.66	28.11	49.66	-783.74	299.75	5,554.06	5,479.09	74.97	74.087		
13,600.00	7,139.01	6,564.00	6,541.04	188.46	28.11	49.66	-783.74	299.75	5,652.80	5,577.81	74.99	75.383		
13,700.00	7,139.25	6,564.00	6,541.04	191.26	28.11	49.66	-783.74	299.75	5,751.58	5,676.57	75.01	76.678		
13,800.00	7,139.49	6,564.00	6,541.04	194.06	28.11	49.66	-783.74	299.75	5,850.41	5,775.38	75.03	77.971		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,564.00	6,541.04	196.87	28.11	49.66	-783.74	299.75	5,949.27	5,874.22	75.06	79.263		
14,000.00	7,139.97	6,564.00	6,541.04	199.68	28.11	49.66	-783.74	299.75	6,048.18	5,973.09	75.08	80.554		
14,100.00	7,140.21	6,564.00	6,541.04	202.48	28.11	49.66	-783.74	299.75	6,147.12	6,072.01	75.11	81.842		
14,200.00	7,140.45	6,564.00	6,541.04	205.29	28.11	49.66	-783.74	299.75	6,246.09	6,170.95	75.14	83.129		
14,300.00	7,140.69	6,564.00	6,541.04	208.10	28.11	49.66	-783.74	299.75	6,345.09	6,269.93	75.17	84.414		
14,400.00	7,140.93	6,564.00	6,541.04	210.91	28.11	49.66	-783.74	299.75	6,444.13	6,368.93	75.20	85.697		
14,500.00	7,141.17	6,564.00	6,541.04	213.73	28.11	49.66	-783.74	299.75	6,543.19	6,467.96	75.23	86.978		
14,600.00	7,141.41	6,564.00	6,541.04	216.54	28.11	49.66	-783.74	299.75	6,642.28	6,567.02	75.26	88.256		
14,700.00	7,141.65	6,564.00	6,541.04	219.36	28.11	49.66	-783.74	299.75	6,741.40	6,666.11	75.30	89.533		
14,800.00	7,141.89	6,564.00	6,541.04	222.17	28.11	49.66	-783.74	299.75	6,840.55	6,765.22	75.33	90.808		
14,900.00	7,142.13	6,564.00	6,541.04	224.99	28.11	49.66	-783.74	299.75	6,939.72	6,864.35	75.37	92.080		
15,000.00	7,142.36	6,564.00	6,541.04	227.81	28.11	49.66	-783.74	299.75	7,038.91	6,963.51	75.40	93.350		
15,100.00	7,142.60	6,564.00	6,541.04	230.63	28.11	49.66	-783.74	299.75	7,138.13	7,062.69	75.44	94.618		
15,200.00	7,142.84	6,564.00	6,541.04	233.45	28.11	49.66	-783.74	299.75	7,237.36	7,161.88	75.48	95.883		
15,300.00	7,143.08	6,564.00	6,541.04	236.27	28.11	49.66	-783.74	299.75	7,336.62	7,261.10	75.52	97.146		
15,400.00	7,143.32	6,564.00	6,541.04	239.09	28.11	49.66	-783.74	299.75	7,435.90	7,360.34	75.56	98.407		
15,500.00	7,143.56	6,564.00	6,541.04	241.91	28.11	49.66	-783.74	299.75	7,535.20	7,459.59	75.61	99.664		
15,600.00	7,143.80	6,564.00	6,541.04	244.73	28.11	49.66	-783.74	299.75	7,634.51	7,558.86	75.65	100.920		
15,700.00	7,144.04	6,564.00	6,541.04	247.56	28.11	49.66	-783.74	299.75	7,733.84	7,658.15	75.69	102.173		
15,800.00	7,144.28	6,564.00	6,541.04	250.38	28.11	49.66	-783.74	299.75	7,833.19	7,757.45	75.74	103.423		
15,900.00	7,144.52	6,564.00	6,541.04	253.21	28.11	49.66	-783.74	299.75	7,932.56	7,856.77	75.79	104.670		
16,000.00	7,144.76	6,564.00	6,541.04	256.03	28.11	49.66	-783.74	299.75	8,031.94	7,956.11	75.83	105.915		
16,100.00	7,145.00	6,564.00	6,541.04	258.86	28.11	49.66	-783.74	299.75	8,131.34	8,055.46	75.88	107.157		
16,200.00	7,145.24	6,564.00	6,541.04	261.69	28.11	49.66	-783.74	299.75	8,230.75	8,154.82	75.93	108.396		
16,300.00	7,145.48	6,564.00	6,541.04	264.52	28.11	49.66	-783.74	299.75	8,330.18	8,254.19	75.98	109.633		
16,400.00	7,145.72	6,564.00	6,541.04	267.35	28.11	49.66	-783.74	299.75	8,429.62	8,353.58	76.03	110.866		
16,500.00	7,145.96	6,564.00	6,541.04	270.18	28.11	49.66	-783.74	299.75	8,529.07	8,452.98	76.09	112.097		
16,600.00	7,146.20	6,564.00	6,541.04	273.01	28.11	49.66	-783.74	299.75	8,628.53	8,552.39	76.14	113.324		
16,700.00	7,146.44	6,564.00	6,541.04	275.84	28.11	49.66	-783.74	299.75	8,728.01	8,651.82	76.19	114.549		
16,800.00	7,146.68	6,564.00	6,541.04	278.67	28.11	49.66	-783.74	299.75	8,827.50	8,751.25	76.25	115.771		
16,900.00	7,146.92	6,564.00	6,541.04	281.50	28.11	49.66	-783.74	299.75	8,927.00	8,850.69	76.31	116.989		
17,000.00	7,147.16	6,564.00	6,541.04	284.33	28.11	49.66	-783.74	299.75	9,026.51	8,950.15	76.36	118.205		
17,100.00	7,147.40	6,564.00	6,541.04	287.16	28.11	49.66	-783.74	299.75	9,126.03	9,049.61	76.42	119.418		
17,200.00	7,147.64	6,564.00	6,541.04	290.00	28.11	49.66	-783.74	299.75	9,225.57	9,149.09	76.48	120.627		
17,300.00	7,147.88	6,564.00	6,541.04	292.83	28.11	49.66	-783.74	299.75	9,325.11	9,248.57	76.54	121.833		
17,400.00	7,148.12	6,564.00	6,541.04	295.66	28.11	49.66	-783.74	299.75	9,424.66	9,348.06	76.60	123.037		
17,500.00	7,148.36	6,564.00	6,541.04	298.50	28.11	49.66	-783.74	299.75	9,524.22	9,447.56	76.66	124.237		
17,600.00	7,148.60	6,564.00	6,541.04	301.33	28.11	49.66	-783.74	299.75	9,623.79	9,547.07	76.72	125.433		
17,700.00	7,148.84	6,564.00	6,541.04	304.17	28.11	49.66	-783.74	299.75	9,723.37	9,646.59	76.79	126.627		
17,800.00	7,149.08	6,564.00	6,541.04	307.00	28.11	49.66	-783.74	299.75	9,822.96	9,746.11	76.85	127.817		
17,900.00	7,149.32	6,564.00	6,541.04	309.84	28.11	49.66	-783.74	299.75	9,922.56	9,845.64	76.92	129.004		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.20	-547.55	506.99	746.30					
100.00	100.00	89.90	89.90	3.28	3.29	137.18	-547.31	507.17	746.17	739.60	6.57	113.561		
200.00	200.00	190.91	190.90	3.34	3.31	137.10	-546.46	507.81	745.98	739.34	6.64	112.283		
300.00	299.98	291.86	291.84	3.44	3.34	-0.29	-544.99	508.90	743.91	737.13	6.78	109.674		
400.00	399.84	406.37	406.31	3.59	3.44	-0.48	-542.51	509.93	737.77	730.73	7.04	104.815		
500.00	499.45	532.86	532.67	3.80	3.64	-0.63	-537.45	507.47	724.83	717.36	7.47	97.046		
600.00	598.70	652.11	651.51	4.04	3.90	-0.92	-528.47	503.49	704.94	696.95	7.99	88.191		
700.00	697.47	755.20	754.05	4.32	4.17	-1.28	-518.72	499.38	679.89	671.36	8.53	79.670		
800.00	795.62	861.75	859.93	4.65	4.48	-1.73	-507.75	494.75	650.73	641.58	9.15	71.118		
900.00	893.06	972.69	969.71	5.01	4.84	-2.51	-492.70	489.49	615.76	605.92	9.83	62.617		
1,000.00	989.64	1,077.81	1,073.24	5.42	5.20	-3.62	-475.29	484.05	575.39	564.86	10.53	54.651		
1,044.50	1,032.32	1,119.46	1,114.10	5.61	5.35	-4.20	-467.56	481.88	555.87	545.04	10.83	51.316		
1,100.00	1,085.43	1,168.75	1,162.46	5.86	5.54	-4.93	-458.33	479.34	531.18	519.99	11.20	47.444		
1,200.00	1,181.11	1,255.74	1,247.83	6.33	5.87	-6.35	-442.29	474.82	487.03	475.17	11.86	41.055		
1,300.00	1,276.80	1,348.49	1,338.92	6.81	6.23	-8.11	-425.52	469.71	443.19	430.61	12.58	35.241		
1,400.00	1,372.49	1,442.52	1,430.90	7.31	6.62	-10.50	-406.78	464.46	398.62	385.30	13.32	29.936		
1,500.00	1,468.17	1,536.94	1,522.78	7.83	7.02	-13.87	-385.66	459.18	353.40	339.32	14.08	25.097		
1,600.00	1,563.86	1,624.85	1,607.88	8.35	7.41	-18.18	-364.25	453.90	308.04	293.16	14.89	20.693		
1,700.00	1,659.55	1,707.90	1,688.30	8.88	7.78	-23.52	-344.02	449.36	265.02	249.25	15.77	16.807		
1,800.00	1,755.23	1,790.67	1,768.71	9.42	8.15	-30.40	-324.72	445.94	226.48	209.73	16.75	13.521		
1,900.00	1,850.92	1,876.21	1,852.09	9.97	8.54	-39.50	-305.76	443.57	194.10	176.26	17.85	10.877		
2,000.00	1,946.61	1,965.15	1,938.96	10.52	8.94	-51.38	-286.85	441.14	169.02	149.98	19.05	8.873		
2,100.00	2,042.29	2,054.51	2,026.42	11.07	9.34	-65.58	-268.76	438.47	153.91	133.63	20.28	7.588		
2,167.47	2,106.85	2,114.72	2,085.33	11.45	9.61	-76.10	-256.45	436.33	150.75	129.71	21.04	7.166 CC, ES		
2,200.00	2,137.98	2,143.32	2,113.27	11.63	9.74	-81.20	-250.46	435.19	151.52	130.16	21.35	7.096 SF		
2,300.00	2,233.67	2,229.84	2,197.72	12.19	10.14	-95.88	-231.90	432.05	163.67	141.59	22.08	7.412		
2,400.00	2,329.35	2,313.68	2,279.30	12.76	10.54	-107.88	-212.75	429.62	188.75	166.20	22.55	8.371		
2,500.00	2,425.04	2,407.27	2,370.43	13.32	10.97	-118.09	-191.54	427.32	221.51	198.30	23.21	9.545		
2,600.00	2,520.72	2,495.02	2,456.18	13.89	11.38	-125.30	-173.11	424.72	257.44	233.66	23.79	10.822		
2,700.00	2,616.41	2,578.98	2,538.01	14.46	11.78	-130.77	-154.58	421.57	297.32	272.98	24.34	12.214		
2,800.00	2,712.10	2,668.87	2,625.46	15.03	12.21	-135.34	-134.08	418.04	339.94	314.87	25.07	13.560		
2,900.00	2,807.78	2,754.84	2,709.26	15.60	12.62	-138.78	-115.17	414.71	383.23	357.47	25.75	14.880		
3,000.00	2,903.47	2,843.36	2,795.37	16.18	13.04	-141.40	-94.80	412.65	428.19	401.67	26.53	16.142		
3,100.00	2,999.16	2,925.10	2,874.99	16.75	13.44	-143.45	-76.41	410.38	473.42	446.23	27.19	17.411		
3,200.00	3,094.84	3,003.59	2,950.90	17.33	13.82	-145.21	-56.80	406.98	521.47	493.66	27.81	18.750		
3,300.00	3,190.53	3,108.18	3,052.44	17.90	14.33	-147.25	-32.28	401.80	568.76	539.85	28.91	19.673		
3,400.00	3,286.22	3,199.86	3,142.01	18.48	14.77	-148.77	-13.14	397.68	614.03	584.25	29.78	20.622		
3,500.00	3,381.90	3,287.09	3,226.99	19.06	15.19	-149.95	6.18	394.02	660.62	630.04	30.58	21.605		
3,600.00	3,477.59	3,399.56	3,337.24	19.64	15.73	-151.37	27.80	389.09	704.85	673.10	31.75	22.202		
3,700.00	3,573.28	3,492.68	3,428.86	20.22	16.16	-152.40	44.04	385.25	747.73	715.10	32.62	22.919		
3,800.00	3,668.96	3,571.37	3,506.20	20.80	16.53	-153.12	58.31	382.75	791.14	757.83	33.31	23.749		
3,900.00	3,764.65	3,645.98	3,579.23	21.38	16.89	-153.70	73.42	380.31	836.46	802.51	33.95	24.639		
4,000.00	3,860.33	3,730.63	3,661.95	21.96	17.29	-154.31	91.14	377.27	882.59	847.85	34.74	25.409		
4,100.00	3,956.02	3,807.12	3,736.50	22.54	17.67	-154.75	108.09	375.09	929.60	894.19	35.41	26.252		
4,200.00	4,051.71	3,873.49	3,800.89	23.13	17.99	-155.04	124.10	373.58	978.16	942.22	35.94	27.215		
4,300.00	4,147.39	3,939.38	3,864.45	23.71	18.33	-155.30	141.36	371.81	1,028.61	992.15	36.47	28.207		
4,400.00	4,243.08	4,006.47	3,928.85	24.29	18.67	-155.56	160.01	369.30	1,080.73	1,043.71	37.01	29.199		
4,500.00	4,338.77	4,084.26	4,003.27	24.88	19.07	-155.82	182.47	366.33	1,133.80	1,096.06	37.74	30.043		
4,600.00	4,434.45	4,198.55	4,112.78	25.46	19.66	-156.12	214.99	363.08	1,186.30	1,147.26	39.04	30.388		
4,700.00	4,530.14	4,385.52	4,294.63	26.04	20.58	-156.77	257.70	357.11	1,234.49	1,193.26	41.23	29.940		
4,800.00	4,625.83	4,451.01	4,358.81	26.63	20.89	-157.04	270.49	354.45	1,279.78	1,237.98	41.80	30.618		
4,900.00	4,721.51	4,533.11	4,439.14	27.21	21.29	-157.36	287.07	351.01	1,325.82	1,283.25	42.57	31.144		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,616.88	4,521.04	27.80	21.70	-157.64	304.38	347.68	1,372.23	1,328.86	43.37	31.641		
5,100.00	4,912.89	4,711.64	4,613.62	28.38	22.16	-157.92	324.28	344.52	1,418.75	1,374.44	44.31	32.022		
5,200.00	5,008.57	4,802.95	4,702.98	28.97	22.60	-158.18	342.79	341.22	1,464.75	1,419.55	45.20	32.407		
5,300.00	5,104.26	4,903.56	4,801.54	29.55	23.08	-158.54	362.26	335.88	1,510.63	1,464.44	46.20	32.700		
5,400.00	5,199.94	4,987.50	4,883.92	30.14	23.48	-158.89	377.34	330.11	1,555.95	1,508.96	46.99	33.112		
5,500.00	5,295.63	5,054.06	4,949.10	30.72	23.80	-159.13	390.07	325.79	1,602.16	1,554.58	47.58	33.674		
5,600.00	5,391.32	5,120.00	5,013.40	31.31	24.13	-159.32	404.16	321.85	1,649.95	1,601.79	48.16	34.259		
5,700.00	5,487.00	5,182.17	5,073.77	31.90	24.44	-159.46	418.63	318.73	1,698.98	1,650.28	48.70	34.889		
5,800.00	5,582.69	5,432.79	5,319.51	32.48	25.63	-159.86	466.80	313.48	1,742.63	1,691.20	51.43	33.885		
5,900.00	5,678.38	5,542.55	5,428.06	33.07	26.13	-160.02	483.04	313.31	1,782.85	1,730.37	52.48	33.969		
6,000.00	5,774.06	5,633.90	5,518.34	33.65	26.54	-160.12	496.93	313.95	1,823.19	1,769.83	53.36	34.168		
6,100.00	5,869.75	5,847.68	5,730.68	34.24	27.47	-160.48	521.24	314.15	1,860.73	1,805.45	55.28	33.660		
6,200.00	5,965.44	5,987.01	5,869.72	34.83	28.05	-160.78	530.13	314.80	1,893.62	1,837.14	56.48	33.530		
6,300.00	6,061.12	6,107.21	5,989.83	35.41	28.53	-161.08	534.90	314.48	1,924.75	1,867.24	57.51	33.469		
6,400.00	6,156.81	6,228.52	6,111.09	36.00	29.01	-161.44	537.70	313.09	1,954.90	1,896.36	58.53	33.398		
6,500.00	6,252.50	7,762.43	7,050.31	36.59	38.32	-140.43	552.19	1,173.16	1,979.66	1,914.17	65.49	30.227		
6,600.00	6,348.18	7,778.00	7,050.44	37.18	38.56	-139.98	552.05	1,188.72	1,962.28	1,894.74	67.53	29.057		
6,636.04	6,382.67	7,783.81	7,050.50	37.39	38.66	-139.81	552.00	1,194.53	1,957.19	1,888.94	68.25	28.677		
6,650.00	6,396.05	7,786.29	7,050.52	37.47	38.70	-142.86	551.98	1,197.02	1,955.38	1,886.85	68.53	28.534		
6,700.00	6,444.38	7,792.93	7,050.59	37.74	38.81	-156.74	551.93	1,203.66	1,949.69	1,880.23	69.46	28.071		
6,750.00	6,493.07	7,796.04	7,050.61	37.98	38.86	-174.89	551.91	1,206.76	1,945.25	1,874.98	70.27	27.682		
6,800.00	6,541.82	7,795.63	7,050.61	38.18	38.85	165.75	551.91	1,206.35	1,942.14	1,871.17	70.97	27.364		
6,850.00	6,590.35	7,791.75	7,050.57	38.35	38.79	149.24	551.94	1,202.47	1,940.38	1,868.81	71.56	27.114		
6,891.39	6,630.12	7,785.95	7,050.52	38.48	38.69	138.76	551.98	1,196.68	1,939.93	1,867.96	71.97	26.955		
6,900.00	6,638.34	7,784.46	7,050.50	38.50	38.67	136.91	551.99	1,195.18	1,939.94	1,867.90	72.04	26.928		
6,950.00	6,685.50	7,774.37	7,050.40	38.64	38.51	128.02	552.08	1,185.09	1,940.81	1,868.37	72.43	26.794		
7,000.00	6,731.54	7,762.05	7,050.31	38.77	38.32	121.45	552.19	1,172.78	1,942.91	1,870.15	72.76	26.704		
7,050.00	6,776.18	7,746.64	7,050.25	38.90	38.08	116.36	552.36	1,157.37	1,946.15	1,873.16	72.99	26.662		
7,100.00	6,819.14	7,728.15	7,050.27	39.03	37.80	112.24	552.60	1,138.88	1,950.43	1,877.29	73.15	26.664		
7,150.00	6,860.16	7,706.64	7,050.41	39.16	37.48	108.75	552.91	1,117.38	1,955.61	1,882.38	73.23	26.706		
7,200.00	6,898.98	7,666.35	7,050.90	39.31	36.88	105.35	553.55	1,077.08	1,961.51	1,888.54	72.97	26.880		
7,250.00	6,935.36	7,610.71	7,051.02	39.47	36.15	102.06	553.78	1,021.45	1,967.42	1,894.90	72.52	27.131		
7,300.00	6,969.08	7,562.97	7,051.19	39.65	35.53	99.35	553.61	973.71	1,973.32	1,901.13	72.19	27.334		
7,350.00	6,999.94	7,461.69	7,046.55	39.85	34.41	95.94	551.46	872.62	1,978.47	1,907.31	71.16	27.802		
7,400.00	7,027.74	7,431.14	7,042.86	40.08	34.12	94.15	550.48	842.30	1,983.09	1,911.84	71.25	27.833		
7,450.00	7,052.31	7,400.55	7,038.01	40.34	33.83	92.55	549.64	812.12	1,987.64	1,916.28	71.37	27.852		
7,500.00	7,073.49	7,365.39	7,031.00	40.63	33.52	91.05	548.83	777.68	1,992.03	1,920.58	71.46	27.877		
7,550.00	7,091.17	7,270.70	7,003.10	40.95	32.88	88.68	545.26	687.35	1,995.48	1,924.60	70.88	28.155		
7,600.00	7,105.22	7,183.00	6,964.25	41.31	32.48	86.50	538.90	609.11	1,996.99	1,926.49	70.50	28.328		
7,650.00	7,115.57	7,183.00	6,964.25	41.71	32.48	86.18	538.90	609.11	1,998.28	1,927.08	71.20	28.066		
7,700.00	7,122.15	7,183.00	6,964.25	42.15	32.48	85.93	538.90	609.11	1,999.69	1,927.74	71.95	27.794		
7,750.00	7,124.91	7,183.00	6,964.25	42.62	32.48	85.74	538.90	609.11	2,001.21	1,928.48	72.73	27.516		
7,759.54	7,125.00	7,183.00	6,964.25	42.72	32.48	85.71	538.90	609.11	2,001.52	1,928.63	72.88	27.462		
7,769.31	7,125.03	7,148.29	6,945.28	42.82	32.35	85.16	536.64	580.15	2,000.55	1,927.88	72.66	27.531		
7,800.00	7,125.10	7,142.58	6,941.96	43.13	32.33	85.07	536.44	575.50	2,001.43	1,928.33	73.11	27.378		
7,900.00	7,125.34	7,091.00	6,909.68	44.28	32.15	84.15	536.92	535.33	2,008.37	1,934.11	74.26	27.045		
8,000.00	7,125.58	7,091.00	6,909.68	45.61	32.15	84.15	536.92	535.33	2,017.35	1,941.27	76.08	26.515		
8,100.00	7,125.82	7,091.00	6,909.68	47.10	32.15	84.15	536.92	535.33	2,031.22	1,953.27	77.95	26.057		
8,200.00	7,126.06	7,055.70	6,885.55	48.72	32.03	83.47	538.77	509.63	2,049.27	1,969.75	79.52	25.772		
8,300.00	7,126.30	7,022.75	6,861.87	50.48	31.92	82.80	540.73	486.80	2,070.80	1,989.69	81.11	25.530		
8,400.00	7,126.54	6,997.00	6,842.64	52.34	31.83	82.27	542.41	469.77	2,095.88	2,013.12	82.76	25.325		
8,500.00	7,126.78	6,968.21	6,820.24	54.30	31.74	81.65	544.41	451.80	2,124.55	2,040.18	84.37	25.182		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,127.02	6,946.25	6,802.46	56.35	31.67	81.16	545.97	438.99	2,156.83	2,070.85	85.98	25.086		
8,700.00	7,127.26	6,905.00	6,767.61	58.47	31.53	80.20	549.02	417.17	2,192.98	2,105.61	87.37	25.099		
8,800.00	7,127.50	6,905.00	6,767.61	60.66	31.53	80.20	549.02	417.17	2,231.99	2,142.98	89.01	25.075		
8,900.00	7,127.74	6,883.92	6,749.17	62.90	31.46	79.70	550.51	407.06	2,274.57	2,184.16	90.41	25.158		
9,000.00	7,127.98	6,857.95	6,726.02	65.19	31.37	79.07	552.07	395.41	2,320.15	2,228.46	91.69	25.305		
9,100.00	7,128.22	6,831.98	6,703.09	67.53	31.28	78.44	553.64	383.94	2,368.60	2,276.64	93.17	25.458		
9,200.00	7,128.46	6,806.25	6,678.36	69.92	31.19	77.81	555.21	372.47	2,418.60	2,325.61	94.84	25.616		
9,300.00	7,128.70	6,780.75	6,652.86	72.33	31.10	77.18	556.78	361.04	2,470.99	2,376.85	96.60	25.779		
9,400.00	7,128.94	6,755.50	6,627.61	74.78	31.01	76.55	558.35	349.61	2,526.14	2,430.94	98.45	25.942		
9,500.00	7,129.18	6,730.50	6,602.61	77.26	30.92	75.92	559.92	338.18	2,583.88	2,487.71	100.39	26.109		
9,600.00	7,129.42	6,705.75	6,577.86	79.76	30.83	75.29	561.49	326.75	2,644.07	2,547.00	102.41	26.280		
9,700.00	7,129.66	6,681.25	6,553.36	82.29	30.74	74.66	563.06	315.32	2,706.84	2,609.16	104.51	26.455		
9,800.00	7,129.90	6,656.75	6,528.86	84.84	30.65	74.03	564.63	303.89	2,771.31	2,672.81	106.69	26.634		
9,900.00	7,130.14	6,632.50	6,504.61	87.41	30.56	73.40	566.20	292.46	2,837.85	2,738.59	108.94	26.816		
10,000.00	7,130.38	6,608.25	6,480.36	90.00	30.47	72.77	567.77	281.03	2,906.30	2,806.36	111.35	27.001		
10,100.00	7,130.62	6,584.25	6,456.36	92.60	30.38	72.14	569.34	269.60	2,976.54	2,875.98	113.89	27.190		
10,200.00	7,130.86	6,560.50	6,432.61	95.22	30.29	71.51	570.91	258.17	3,048.44	2,947.32	116.56	27.383		
10,300.00	7,131.09	6,536.75	6,408.86	97.85	30.20	70.88	572.48	246.74	3,121.88	3,020.26	119.36	27.580		
10,400.00	7,131.33	6,512.75	6,385.11	100.50	30.11	70.25	574.05	235.31	3,196.77	3,094.69	122.29	27.781		
10,500.00	7,131.57	6,488.75	6,361.36	103.16	30.02	69.62	575.62	223.88	3,273.00	3,170.51	125.34	27.986		
10,600.00	7,131.81	6,465.00	6,337.61	105.82	29.93	68.99	577.19	212.45	3,350.48	3,247.61	128.51	28.195		
10,700.00	7,132.05	6,441.25	6,313.86	108.50	29.84	68.36	578.76	201.02	3,429.13	3,325.92	131.79	28.408		
10,800.00	7,132.29	6,417.50	6,290.11	111.19	29.75	67.73	580.33	189.59	3,508.86	3,405.35	135.19	28.625		
10,900.00	7,132.53	6,393.75	6,266.36	113.88	29.66	67.10	581.90	178.16	3,589.61	3,485.82	138.70	28.846		
11,000.00	7,132.77	6,370.00	6,242.61	116.58	29.57	66.47	583.47	166.73	3,671.31	3,567.26	142.31	29.071		
11,100.00	7,133.01	6,346.25	6,218.86	119.29	29.48	65.84	585.04	155.30	3,753.89	3,649.62	146.03	29.300		
11,200.00	7,133.25	6,322.75	6,195.36	122.01	29.39	65.21	586.61	143.87	3,837.30	3,732.83	150.84	29.533		
11,300.00	7,133.49	6,299.00	6,171.86	124.73	29.30	64.58	588.18	132.44	3,921.49	3,816.83	155.74	29.770		
11,400.00	7,133.73	6,275.25	6,148.36	127.46	29.21	63.95	589.75	121.01	4,006.41	3,901.58	160.71	30.011		
11,500.00	7,133.97	6,251.75	6,124.86	130.19	29.12	63.32	591.32	109.58	4,092.00	3,987.02	165.74	30.256		
11,600.00	7,134.21	6,228.25	6,101.36	132.93	29.03	62.69	592.89	98.15	4,178.24	4,073.12	170.84	30.504		
11,700.00	7,134.45	6,204.75	6,077.86	135.68	28.94	62.06	594.46	86.72	4,265.08	4,159.84	176.00	30.755		
11,800.00	7,134.69	6,181.25	6,054.36	138.43	28.85	61.43	596.03	75.29	4,352.48	4,247.13	181.29	31.009		
11,900.00	7,134.93	6,157.75	6,030.86	141.18	28.76	60.80	597.60	63.86	4,440.41	4,334.96	186.70	31.267		
12,000.00	7,135.17	6,134.25	6,007.36	143.94	28.67	60.17	599.17	52.43	4,528.85	4,423.30	192.21	31.528		
12,100.00	7,135.41	6,110.75	5,983.86	146.70	28.58	59.54	600.74	41.00	4,617.75	4,512.13	197.81	31.792		
12,200.00	7,135.65	6,087.25	5,960.36	149.46	28.49	58.91	602.31	29.57	4,707.10	4,601.40	203.49	32.059		
12,300.00	7,135.89	6,063.75	5,936.86	152.23	28.40	58.28	603.88	18.14	4,796.88	4,691.11	209.24	32.329		
12,400.00	7,136.13	6,040.25	5,913.36	155.00	28.31	57.65	605.45	6.71	4,887.05	4,781.22	215.04	32.601		
12,500.00	7,136.37	6,016.75	5,889.86	157.78	28.22	57.02	607.02	-4.72	4,977.59	4,871.70	220.88	32.875		
12,600.00	7,136.61	6,000.00	5,865.36	160.55	28.13	56.39	608.59	-13.29	5,068.49	4,962.55	226.76	33.151		
12,700.00	7,136.85	5,976.25	5,841.86	163.33	28.04	55.76	610.16	-21.86	5,159.73	5,053.75	232.68	33.428		
12,800.00	7,137.09	5,952.75	5,818.36	166.12	27.95	55.13	611.73	-30.43	5,251.29	5,145.26	238.63	33.706		
12,900.00	7,137.33	5,929.00	5,794.86	168.90	27.86	54.50	613.30	-39.00	5,343.14	5,237.08	244.60	33.985		
13,000.00	7,137.57	5,905.25	5,771.36	171.69	27.77	53.87	614.87	-47.57	5,433.03	5,327.13	250.60	34.265		
13,100.00	7,137.81	5,881.75	5,747.86	174.48	27.68	53.24	616.44	-56.14	5,525.37	5,419.44	256.63	34.546		
13,200.00	7,138.05	5,858.25	5,724.36	177.27	27.59	52.61	618.01	-64.71	5,617.97	5,512.02	262.69	34.828		
13,300.00	7,138.29	5,834.75	5,700.86	180.07	27.50	51.98	619.58	-73.28	5,710.82	5,604.84	268.77	35.111		
13,400.00	7,138.53	5,811.25	5,677.36	182.86	27.41	51.35	621.15	-81.85	5,803.91	5,697.90	274.87	35.395		
13,500.00	7,138.77	5,787.75	5,653.86	185.66	27.32	50.72	622.72	-90.42	5,897.22	5,791.19	280.98	35.680		
13,600.00	7,139.01	5,764.25	5,630.36	188.46	27.23	50.09	624.29	-98.99	5,990.74	5,884.69	287.10	35.966		
13,700.00	7,139.25	5,740.75	5,606.86	191.26	27.14	49.46	625.86	-107.56	6,084.47	5,978.40	293.23	36.253		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,139.49	6,576.40	6,458.85	194.06	30.35	71.85	540.74	312.31	6,178.40	6,072.31	106.09	58.240		
13,900.00	7,139.73	6,575.78	6,458.23	196.87	30.34	71.83	540.71	312.25	6,272.51	6,166.41	106.10	59.118		
14,000.00	7,139.97	6,575.18	6,457.63	199.68	30.34	71.81	540.68	312.20	6,366.80	6,260.68	106.12	59.998		
14,100.00	7,140.21	6,532.00	6,414.55	202.48	30.17	70.69	539.22	310.11	6,463.45	6,357.49	105.96	61.000		
14,200.00	7,140.45	6,532.00	6,414.55	205.29	30.17	70.69	539.22	310.11	6,558.01	6,452.04	105.98	61.882		
14,300.00	7,140.69	6,532.00	6,414.55	208.10	30.17	70.69	539.22	310.11	6,652.74	6,546.74	105.99	62.765		
14,400.00	7,140.93	6,532.00	6,414.55	210.91	30.17	70.69	539.22	310.11	6,747.61	6,641.60	106.01	63.650		
14,500.00	7,141.17	6,532.00	6,414.55	213.73	30.17	70.69	539.22	310.11	6,842.64	6,736.61	106.03	64.536		
14,600.00	7,141.41	6,532.00	6,414.55	216.54	30.17	70.69	539.22	310.11	6,937.80	6,831.75	106.05	65.423		
14,700.00	7,141.65	6,532.00	6,414.55	219.36	30.17	70.69	539.22	310.11	7,033.09	6,927.03	106.06	66.312		
14,800.00	7,141.89	6,532.00	6,414.55	222.17	30.17	70.69	539.22	310.11	7,128.52	7,022.44	106.08	67.201		
14,900.00	7,142.13	6,532.00	6,414.55	224.99	30.17	70.69	539.22	310.11	7,224.07	7,117.97	106.09	68.092		
15,000.00	7,142.36	6,532.00	6,414.55	227.81	30.17	70.69	539.22	310.11	7,319.73	7,213.62	106.11	68.984		
15,100.00	7,142.60	6,532.00	6,414.55	230.63	30.17	70.69	539.22	310.11	7,415.51	7,309.39	106.12	69.876		
15,200.00	7,142.84	6,532.00	6,414.55	233.45	30.17	70.69	539.22	310.11	7,511.41	7,405.27	106.14	70.769		
15,300.00	7,143.08	6,532.00	6,414.55	236.27	30.17	70.69	539.22	310.11	7,607.40	7,501.25	106.16	71.663		
15,400.00	7,143.32	6,532.00	6,414.55	239.09	30.17	70.69	539.22	310.11	7,703.50	7,597.33	106.17	72.557		
15,500.00	7,143.56	6,532.00	6,414.55	241.91	30.17	70.69	539.22	310.11	7,799.70	7,693.51	106.19	73.452		
15,600.00	7,143.80	6,532.00	6,414.55	244.73	30.17	70.69	539.22	310.11	7,895.99	7,789.79	106.20	74.347		
15,700.00	7,144.04	6,532.00	6,414.55	247.56	30.17	70.69	539.22	310.11	7,992.37	7,886.15	106.22	75.243		
15,800.00	7,144.28	6,532.00	6,414.55	250.38	30.17	70.69	539.22	310.11	8,088.84	7,982.61	106.24	76.139		
15,900.00	7,144.52	6,532.00	6,414.55	253.21	30.17	70.69	539.22	310.11	8,185.40	8,079.15	106.25	77.036		
16,000.00	7,144.76	6,532.00	6,414.55	256.03	30.17	70.69	539.22	310.11	8,282.04	8,175.76	106.27	77.932		
16,100.00	7,145.00	6,532.00	6,414.55	258.86	30.17	70.69	539.22	310.11	8,378.75	8,272.46	106.29	78.829		
16,200.00	7,145.24	6,532.00	6,414.55	261.69	30.17	70.69	539.22	310.11	8,475.55	8,369.24	106.31	79.726		
16,300.00	7,145.48	6,532.00	6,414.55	264.52	30.17	70.69	539.22	310.11	8,572.41	8,466.08	106.33	80.623		
16,400.00	7,145.72	6,532.00	6,414.55	267.35	30.17	70.69	539.22	310.11	8,669.35	8,563.00	106.35	81.520		
16,500.00	7,145.96	6,532.00	6,414.55	270.18	30.17	70.69	539.22	310.11	8,766.35	8,659.99	106.37	82.417		
16,600.00	7,146.20	6,532.00	6,414.55	273.01	30.17	70.69	539.22	310.11	8,863.43	8,757.04	106.39	83.313		
16,700.00	7,146.44	6,532.00	6,414.55	275.84	30.17	70.69	539.22	310.11	8,960.56	8,854.16	106.41	84.210		
16,800.00	7,146.68	6,532.00	6,414.55	278.67	30.17	70.69	539.22	310.11	9,057.76	8,951.33	106.43	85.106		
16,900.00	7,146.92	6,532.00	6,414.55	281.50	30.17	70.69	539.22	310.11	9,155.02	9,048.57	106.45	86.003		
17,000.00	7,147.16	6,532.00	6,414.55	284.33	30.17	70.69	539.22	310.11	9,252.34	9,145.87	106.47	86.899		
17,100.00	7,147.40	6,532.00	6,414.55	287.16	30.17	70.69	539.22	310.11	9,349.71	9,243.22	106.50	87.794		
17,200.00	7,147.64	6,532.00	6,414.55	290.00	30.17	70.69	539.22	310.11	9,447.14	9,340.62	106.52	88.690		
17,300.00	7,147.88	6,532.00	6,414.55	292.83	30.17	70.69	539.22	310.11	9,544.63	9,438.08	106.54	89.585		
17,400.00	7,148.12	6,532.00	6,414.55	295.66	30.17	70.69	539.22	310.11	9,642.16	9,535.59	106.57	90.479		
17,500.00	7,148.36	6,532.00	6,414.55	298.50	30.17	70.69	539.22	310.11	9,739.74	9,633.15	106.59	91.373		
17,600.00	7,148.60	6,532.00	6,414.55	301.33	30.17	70.69	539.22	310.11	9,837.38	9,730.76	106.62	92.267		
17,700.00	7,148.84	6,532.00	6,414.55	304.17	30.17	70.69	539.22	310.11	9,935.06	9,828.41	106.64	93.160		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	135.01	-507.48	507.26	717.61					
100.00	100.00	81.44	81.44	3.28	3.29	135.00	-507.70	507.64	718.00	711.43	6.57	109.283		
200.00	200.00	177.37	177.36	3.34	3.31	134.97	-508.48	508.96	719.53	712.88	6.65	108.165		
300.00	299.98	283.97	283.95	3.44	3.41	-2.33	-509.02	510.31	719.05	712.20	6.85	104.943		
400.00	399.84	397.23	397.19	3.59	3.58	-2.46	-507.99	511.10	713.69	706.51	7.17	99.494		
500.00	499.45	530.97	530.79	3.80	3.84	-2.82	-502.11	510.55	701.69	694.02	7.67	91.486		
600.00	598.70	669.27	668.28	4.04	4.19	-3.60	-487.80	507.21	680.67	672.36	8.32	81.849		
700.00	697.47	807.86	804.46	4.32	4.61	-5.16	-462.78	502.43	650.51	641.44	9.07	71.747		
800.00	795.62	918.33	911.14	4.65	4.99	-7.35	-434.37	499.16	612.70	602.96	9.74	62.904		
900.00	893.06	1,018.91	1,007.27	5.01	5.37	-10.11	-404.93	496.33	570.34	559.94	10.41	54.814		
1,000.00	989.64	1,114.39	1,097.79	5.42	5.75	-13.50	-374.81	492.43	523.64	512.55	11.09	47.217		
1,044.50	1,032.32	1,152.29	1,133.68	5.61	5.91	-15.10	-362.77	490.61	502.04	490.65	11.39	44.068		
1,100.00	1,085.43	1,196.81	1,175.91	5.86	6.11	-16.97	-348.85	488.29	475.14	463.38	11.76	40.415		
1,200.00	1,181.11	1,279.52	1,254.93	6.33	6.47	-20.66	-324.98	483.33	428.51	416.05	12.46	34.401		
1,300.00	1,276.80	1,372.32	1,343.33	6.81	6.90	-25.73	-297.60	476.46	382.51	369.26	13.24	28.884		
1,400.00	1,372.49	1,454.37	1,420.75	7.31	7.29	-31.68	-271.07	470.65	338.67	324.59	14.08	24.048		
1,500.00	1,468.17	1,529.67	1,491.35	7.83	7.67	-38.63	-245.18	466.74	300.51	285.49	15.03	19.995		
1,600.00	1,563.86	1,607.40	1,564.42	8.35	8.06	-47.02	-218.82	464.10	271.08	255.00	16.08	16.863		
1,700.00	1,659.55	1,688.63	1,641.60	8.88	8.46	-56.49	-193.57	462.12	251.79	234.62	17.17	14.666		
1,800.00	1,755.23	1,769.67	1,718.47	9.42	8.86	-66.72	-167.93	460.86	244.33	226.11	18.22	13.413		
1,807.36	1,762.27	1,775.61	1,724.10	9.46	8.89	-67.49	-166.02	460.80	244.29	226.00	18.29	13.358 CC, ES		
1,900.00	1,850.92	1,850.23	1,794.66	9.97	9.27	-77.03	-141.78	460.32	249.97	230.85	19.12	13.075 SF		
2,000.00	1,946.61	1,937.04	1,876.74	10.52	9.72	-87.47	-113.50	459.65	267.13	247.19	19.93	13.402		
2,100.00	2,042.29	2,022.75	1,957.85	11.07	10.16	-96.70	-85.89	457.81	292.91	272.27	20.63	14.196		
2,200.00	2,137.98	2,107.22	2,037.75	11.63	10.60	-104.63	-58.64	455.00	325.74	304.47	21.27	15.315		
2,300.00	2,233.67	2,192.22	2,118.24	12.19	11.05	-111.36	-31.47	451.76	363.84	341.93	21.91	16.605		
2,400.00	2,329.35	2,278.49	2,200.00	12.76	11.50	-117.13	-4.26	447.67	405.52	382.93	22.59	17.954		
2,500.00	2,425.04	2,363.84	2,280.93	13.32	11.96	-122.04	22.29	442.17	449.66	426.39	23.27	19.327		
2,600.00	2,520.72	2,445.03	2,357.85	13.89	12.39	-126.09	47.49	435.90	496.09	472.18	23.90	20.755		
2,700.00	2,616.41	2,525.26	2,433.71	14.46	12.82	-129.45	72.93	430.00	544.99	520.44	24.55	22.198		
2,800.00	2,712.10	2,616.07	2,519.76	15.03	13.31	-132.69	101.08	423.00	594.72	569.34	25.38	23.431		
2,900.00	2,807.78	2,706.10	2,605.56	15.60	13.79	-135.25	127.82	417.80	644.29	618.07	26.22	24.575		
3,000.00	2,903.47	2,783.33	2,679.19	16.18	14.19	-136.92	151.07	415.70	694.76	667.87	26.89	25.838		
3,100.00	2,999.16	2,867.68	2,759.47	16.75	14.64	-138.46	176.89	413.95	746.08	718.40	27.68	26.954		
3,200.00	3,094.84	2,948.71	2,836.55	17.33	15.07	-139.82	201.74	411.60	797.92	769.49	28.43	28.066		
3,300.00	3,190.53	3,026.89	2,910.79	17.90	15.49	-140.93	226.17	409.84	850.50	821.35	29.15	29.176		
3,400.00	3,286.22	3,110.75	2,990.22	18.48	15.94	-141.85	253.08	409.84	903.74	873.78	29.97	30.158		
3,500.00	3,381.90	3,195.14	3,070.24	19.06	16.39	-142.68	279.87	409.84	956.85	926.05	30.80	31.070		
3,600.00	3,477.59	3,274.60	3,145.53	19.64	16.82	-143.42	305.28	409.25	1,010.40	978.84	31.56	32.016		
3,700.00	3,573.28	3,358.37	3,224.86	20.22	17.28	-144.17	332.13	407.74	1,064.30	1,031.92	32.39	32.864		
3,800.00	3,668.96	3,457.81	3,319.31	20.80	17.81	-145.03	363.13	405.16	1,117.72	1,084.29	33.42	33.440		
3,900.00	3,764.65	3,565.05	3,421.65	21.38	18.38	-145.73	395.17	405.10	1,169.64	1,135.08	34.56	33.846		
4,000.00	3,860.33	3,665.99	3,518.43	21.96	18.90	-146.32	423.82	405.23	1,220.31	1,184.72	35.59	34.284		
4,100.00	3,956.02	3,750.90	3,600.07	22.54	19.34	-146.80	447.17	405.13	1,270.34	1,233.91	36.43	34.871		
4,200.00	4,051.71	3,822.73	3,668.95	23.13	19.71	-147.17	467.54	405.06	1,321.16	1,284.06	37.11	35.604		
4,300.00	4,147.39	3,893.77	3,736.83	23.71	20.09	-147.48	488.51	405.37	1,372.94	1,335.16	37.78	36.341		
4,400.00	4,243.08	3,966.92	3,806.50	24.29	20.48	-147.77	510.81	405.84	1,425.56	1,387.08	38.48	37.044		
4,500.00	4,338.77	4,038.23	3,874.23	24.88	20.86	-148.04	533.09	406.12	1,478.93	1,439.76	39.17	37.761		
4,600.00	4,434.45	4,105.93	3,938.33	25.46	21.23	-148.27	554.87	406.36	1,533.12	1,493.31	39.80	38.517		
4,700.00	4,530.14	4,168.64	3,997.44	26.04	21.57	-148.46	575.79	406.57	1,588.37	1,547.99	40.38	39.337		
4,800.00	4,625.83	4,234.65	4,059.40	26.63	21.94	-148.65	598.56	406.69	1,644.61	1,603.61	41.00	40.111		
4,900.00	4,721.51	4,300.00	4,161.34	27.21	22.64	-148.97	635.30	406.32	1,700.45	1,655.38	45.07	37.726		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,511.66	4,322.22	27.80	23.45	-149.53	685.76	404.73	1,752.37	1,708.27	44.10	39.737		
5,100.00	4,912.89	4,621.98	4,428.22	28.38	24.02	-149.89	716.33	403.46	1,803.21	1,757.97	45.24	39.858		
5,200.00	5,008.57	4,683.01	4,486.97	28.97	24.34	-150.10	732.80	402.26	1,853.74	1,807.92	45.81	40.462		
5,300.00	5,104.26	4,737.00	4,538.64	29.55	24.63	-150.30	748.34	400.33	1,906.01	1,859.71	46.30	41.168		
5,400.00	5,199.94	4,789.20	4,588.35	30.14	24.91	-150.49	764.10	398.03	1,959.71	1,912.95	46.76	41.912		
5,500.00	5,295.63	4,872.69	4,667.64	30.72	25.37	-150.79	789.97	394.22	2,014.27	1,966.67	47.60	42.315		
5,600.00	5,391.32	4,951.70	4,742.88	31.31	25.80	-151.07	813.77	390.27	2,068.27	2,019.88	48.39	42.739		
5,700.00	5,487.00	4,999.45	4,788.14	31.90	26.06	-151.23	828.74	387.60	2,123.48	2,074.69	48.79	43.520		
5,800.00	5,582.69	5,147.37	4,928.57	32.48	26.87	-151.77	874.15	377.91	2,178.63	2,128.20	50.43	43.202		
5,900.00	5,678.38	5,249.69	5,026.51	33.07	27.42	-152.15	902.89	370.81	2,231.48	2,179.99	51.48	43.343		
6,000.00	5,774.06	5,482.00	5,250.31	33.65	28.63	-152.89	963.62	358.25	2,283.84	2,229.92	53.91	42.361		
6,100.00	5,869.75	5,673.25	5,437.73	34.24	29.52	-153.61	999.46	345.85	2,328.34	2,272.64	55.70	41.802		
6,200.00	5,965.44	5,829.22	5,591.26	34.83	30.24	-154.01	1,026.71	342.31	2,371.42	2,314.31	57.11	41.524		
6,300.00	6,061.12	5,965.33	5,725.90	35.41	30.84	-154.32	1,046.59	341.23	2,411.08	2,352.76	58.32	41.343		
6,400.00	6,156.81	6,061.84	5,821.50	36.00	31.26	-154.55	1,059.78	340.18	2,450.17	2,390.95	59.22	41.374		
6,500.00	6,252.50	6,173.74	5,932.33	36.59	31.74	-154.80	1,075.18	339.25	2,489.38	2,429.15	60.23	41.329		
6,600.00	6,348.18	7,886.32	7,073.10	37.18	40.62	-137.87	1,133.92	1,247.06	2,520.67	2,450.32	70.35	35.832		
6,636.04	6,382.67	7,892.38	7,072.84	37.39	40.71	-137.73	1,133.83	1,253.12	2,518.01	2,447.05	70.96	35.485		
6,650.00	6,396.05	7,894.62	7,072.74	37.47	40.74	-140.88	1,133.79	1,255.35	2,517.12	2,445.93	71.19	35.357		
6,700.00	6,444.38	7,900.08	7,072.52	37.74	40.83	-155.13	1,133.71	1,260.80	2,514.62	2,442.66	71.96	34.947		
6,750.00	6,493.07	7,901.37	7,072.47	37.98	40.85	-173.62	1,133.69	1,262.10	2,513.22	2,440.61	72.61	34.613		
6,786.94	6,529.10	7,899.50	7,072.54	38.12	40.82	171.71	1,133.72	1,260.23	2,512.92	2,439.90	73.02	34.415		
6,800.00	6,541.82	7,898.24	7,072.59	38.18	40.80	166.71	1,133.74	1,258.97	2,512.96	2,439.81	73.15	34.354		
6,850.00	6,590.35	7,890.43	7,072.92	38.35	40.68	149.90	1,133.86	1,251.17	2,513.80	2,440.23	73.57	34.168		
6,900.00	6,638.34	7,877.69	7,073.50	38.50	40.49	137.29	1,134.03	1,238.45	2,515.71	2,441.83	73.88	34.051		
6,950.00	6,685.50	7,859.81	7,074.41	38.64	40.23	128.11	1,134.25	1,220.59	2,518.62	2,444.54	74.07	34.002		
7,000.00	6,731.54	7,836.60	7,075.75	38.77	39.88	121.25	1,134.47	1,197.42	2,522.41	2,448.26	74.15	34.018		
7,050.00	6,776.18	7,815.38	7,077.08	38.90	39.59	116.03	1,134.63	1,176.24	2,526.96	2,452.71	74.26	34.030		
7,100.00	6,819.14	7,797.38	7,077.99	39.03	39.35	111.94	1,134.84	1,158.27	2,532.25	2,457.82	74.43	34.023		
7,150.00	6,860.16	7,778.00	7,078.68	39.16	39.09	108.55	1,135.16	1,138.90	2,538.18	2,463.61	74.57	34.038		
7,200.00	6,898.98	7,757.40	7,079.09	39.31	38.82	105.66	1,135.60	1,118.31	2,544.64	2,469.95	74.69	34.068		
7,250.00	6,935.36	7,743.00	7,045.75	39.47	36.59	99.55	1,134.94	907.76	2,549.93	2,477.85	72.08	35.377		
7,300.00	6,969.08	7,743.00	7,045.75	39.65	36.59	97.86	1,134.94	907.76	2,555.11	2,482.57	72.54	35.224		
7,350.00	6,999.94	7,743.00	7,045.75	39.85	36.39	95.82	1,134.12	880.14	2,560.20	2,487.53	72.67	35.231		
7,400.00	7,027.74	7,743.00	7,045.75	40.08	36.32	94.35	1,133.99	871.00	2,565.69	2,492.63	73.06	35.118		
7,450.00	7,052.31	7,743.00	7,045.75	40.34	36.26	93.02	1,133.92	861.41	2,571.32	2,497.85	73.47	34.997		
7,500.00	7,073.49	7,743.00	7,045.75	40.63	36.19	91.82	1,133.93	851.45	2,577.02	2,503.10	73.91	34.865		
7,550.00	7,091.17	7,743.00	7,045.75	40.95	36.02	90.39	1,134.48	822.81	2,582.97	2,508.84	74.13	34.843		
7,600.00	7,105.22	7,743.00	7,045.75	41.31	36.02	89.61	1,134.48	822.81	2,588.41	2,513.63	74.78	34.613		
7,650.00	7,115.57	7,743.00	7,045.75	41.71	36.02	88.92	1,134.48	822.81	2,593.90	2,518.43	75.47	34.372		
7,700.00	7,122.15	7,743.00	7,045.75	42.15	35.89	87.95	1,135.35	798.90	2,599.13	2,523.25	75.88	34.253		
7,750.00	7,124.91	7,743.00	7,045.75	42.62	35.80	87.20	1,136.20	779.77	2,603.98	2,527.61	76.37	34.096		
7,759.54	7,125.00	7,743.00	7,045.75	42.72	35.78	87.07	1,136.38	776.10	2,604.86	2,528.39	76.47	34.065		
7,800.00	7,125.10	7,743.00	7,045.75	43.13	35.72	86.86	1,137.17	760.84	2,608.73	2,531.84	76.89	33.929		
7,900.00	7,125.34	7,743.00	7,045.75	44.28	35.10	83.70	1,140.90	576.93	2,619.06	2,542.81	76.26	34.346		
8,000.00	7,125.58	7,743.00	7,045.75	45.61	34.87	82.24	1,136.68	508.21	2,626.06	2,548.90	77.16	34.034		
8,100.00	7,125.82	7,743.00	7,045.75	47.10	34.77	81.58	1,134.67	481.40	2,635.43	2,556.75	78.68	33.497		
8,200.00	7,126.06	7,743.00	7,045.75	48.72	34.70	81.10	1,133.29	463.28	2,647.62	2,567.26	80.36	32.947		
8,300.00	7,126.30	7,743.00	7,045.75	50.48	34.60	80.47	1,131.60	442.04	2,662.76	2,580.71	82.04	32.456		
8,400.00	7,126.54	7,743.00	7,045.75	52.34	34.53	80.01	1,130.43	428.19	2,680.98	2,597.14	83.84	31.979		
8,500.00	7,126.78	7,743.00	7,045.75	54.30	34.01	79.41	1,128.98	411.86	2,702.37	2,610.05	92.32	29.271		
8,600.00	7,127.02	7,743.00	7,045.75	56.35	34.32	78.74	1,126.93	396.13	2,726.68	2,639.40	87.28	31.241		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,798.42	6,551.40	58.47	34.15	77.69	1,122.23	376.35	2,753.59	2,664.79	88.80	31.010		
8,800.00	7,127.50	6,790.00	6,543.49	60.66	34.12	77.52	1,121.29	373.62	2,783.43	2,692.76	90.67	30.700		
8,900.00	7,127.74	6,790.00	6,543.49	62.90	34.12	77.52	1,121.29	373.62	2,816.50	2,723.94	92.55	30.431		
9,000.00	7,127.98	6,790.00	6,543.49	65.19	34.12	77.52	1,121.29	373.62	2,852.69	2,758.31	94.38	30.226		
9,100.00	7,128.22	6,790.00	6,543.49	67.53	34.12	77.52	1,121.29	373.62	2,891.88	2,795.76	96.13	30.083		
9,200.00	7,128.46	6,790.00	6,543.49	69.92	34.12	77.52	1,121.29	373.62	2,933.97	2,836.16	97.81	29.998		
9,300.00	7,128.70	6,790.00	6,543.49	72.33	34.12	77.52	1,121.29	373.62	2,978.82	2,879.41	99.40	29.967		
9,400.00	7,128.94	6,749.52	6,504.87	74.78	33.98	76.68	1,117.11	362.25	3,024.87	2,924.26	100.61	30.065		
9,500.00	7,129.18	6,745.06	6,500.56	77.26	33.96	76.59	1,116.70	361.17	3,074.52	2,972.49	102.02	30.135		
9,600.00	7,129.42	6,740.89	6,496.52	79.76	33.95	76.51	1,116.33	360.20	3,126.54	3,023.18	103.36	30.249		
9,700.00	7,129.66	6,736.97	6,492.72	82.29	33.93	76.42	1,115.99	359.31	3,180.83	3,076.20	104.62	30.403		
9,800.00	7,129.90	6,733.29	6,489.15	84.84	33.92	76.35	1,115.68	358.50	3,237.27	3,131.45	105.81	30.594		
9,900.00	7,130.14	6,695.00	6,451.61	87.41	33.78	75.55	1,112.89	351.56	3,296.89	3,190.22	106.66	30.909		
10,000.00	7,130.38	6,695.00	6,451.61	90.00	33.78	75.55	1,112.89	351.56	3,357.12	3,249.38	107.74	31.158		
10,100.00	7,130.62	6,695.00	6,451.61	92.60	33.78	75.55	1,112.89	351.56	3,419.22	3,310.46	108.76	31.439		
10,200.00	7,130.86	6,695.00	6,451.61	95.22	33.78	75.55	1,112.89	351.56	3,483.08	3,373.38	109.70	31.750		
10,300.00	7,131.09	6,695.00	6,451.61	97.85	33.78	75.55	1,112.89	351.56	3,548.61	3,438.02	110.59	32.088		
10,400.00	7,131.33	6,695.00	6,451.61	100.50	33.78	75.55	1,112.89	351.56	3,615.72	3,504.30	111.42	32.452		
10,500.00	7,131.57	6,695.00	6,451.61	103.16	33.78	75.55	1,112.89	351.56	3,684.32	3,572.13	112.19	32.840		
10,600.00	7,131.81	6,695.00	6,451.61	105.82	33.78	75.55	1,112.89	351.56	3,754.33	3,641.42	112.91	33.251		
10,700.00	7,132.05	6,695.00	6,451.61	108.50	33.78	75.55	1,112.89	351.56	3,825.67	3,712.09	113.58	33.682		
10,800.00	7,132.29	6,695.00	6,451.61	111.19	33.78	75.55	1,112.89	351.56	3,898.28	3,784.07	114.21	34.132		
10,900.00	7,132.53	6,695.00	6,451.61	113.88	33.78	75.55	1,112.89	351.56	3,972.07	3,857.27	114.80	34.601		
11,000.00	7,132.77	6,695.00	6,451.61	116.58	33.78	75.55	1,112.89	351.56	4,046.99	3,931.65	115.34	35.087		
11,100.00	7,133.01	6,695.00	6,451.61	119.29	33.78	75.55	1,112.89	351.56	4,122.97	4,007.12	115.85	35.589		
11,200.00	7,133.25	6,695.00	6,451.61	122.01	33.78	75.55	1,112.89	351.56	4,199.96	4,083.64	116.33	36.105		
11,300.00	7,133.49	6,695.00	6,451.61	124.73	33.78	75.55	1,112.89	351.56	4,277.91	4,161.14	116.77	36.636		
11,400.00	7,133.73	6,695.00	6,451.61	127.46	33.78	75.55	1,112.89	351.56	4,356.75	4,239.57	117.18	37.180		
11,500.00	7,133.97	6,695.00	6,451.61	130.19	33.78	75.55	1,112.89	351.56	4,436.45	4,318.88	117.57	37.736		
11,600.00	7,134.21	6,695.00	6,451.61	132.93	33.78	75.55	1,112.89	351.56	4,516.95	4,399.02	117.93	38.303		
11,700.00	7,134.45	6,695.00	6,451.61	135.68	33.78	75.55	1,112.89	351.56	4,598.22	4,479.96	118.26	38.881		
11,800.00	7,134.69	6,695.00	6,451.61	138.43	33.78	75.55	1,112.89	351.56	4,680.21	4,561.64	118.58	39.470		
11,900.00	7,134.93	6,695.00	6,451.61	141.18	33.78	75.55	1,112.89	351.56	4,762.90	4,644.03	118.87	40.068		
12,000.00	7,135.17	6,695.00	6,451.61	143.94	33.78	75.55	1,112.89	351.56	4,846.23	4,727.09	119.14	40.675		
12,100.00	7,135.41	6,695.00	6,451.61	146.70	33.78	75.55	1,112.89	351.56	4,930.19	4,810.79	119.40	41.291		
12,200.00	7,135.65	6,695.00	6,451.61	149.46	33.78	75.55	1,112.89	351.56	5,014.73	4,895.09	119.64	41.915		
12,300.00	7,135.89	6,695.00	6,451.61	152.23	33.78	75.55	1,112.89	351.56	5,099.84	4,979.97	119.87	42.546		
12,400.00	7,136.13	6,695.00	6,451.61	155.00	33.78	75.55	1,112.89	351.56	5,185.47	5,065.39	120.08	43.184		
12,500.00	7,136.37	6,695.00	6,451.61	157.78	33.78	75.55	1,112.89	351.56	5,271.61	5,151.34	120.28	43.829		
12,600.00	7,136.61	6,695.00	6,451.61	160.55	33.78	75.55	1,112.89	351.56	5,358.24	5,237.77	120.46	44.481		
12,700.00	7,136.85	6,695.00	6,451.61	163.33	33.78	75.55	1,112.89	351.56	5,445.32	5,324.68	120.64	45.139		
12,800.00	7,137.09	6,695.00	6,451.61	166.12	33.78	75.55	1,112.89	351.56	5,532.84	5,412.04	120.80	45.802		
12,900.00	7,137.33	6,695.00	6,451.61	168.90	33.78	75.55	1,112.89	351.56	5,620.77	5,499.82	120.95	46.471		
13,000.00	7,137.57	6,695.00	6,451.61	171.69	33.78	75.55	1,112.89	351.56	5,709.10	5,588.00	121.10	47.144		
13,100.00	7,137.81	6,695.00	6,451.61	174.48	33.78	75.55	1,112.89	351.56	5,797.81	5,676.58	121.23	47.823		
13,200.00	7,138.05	6,695.00	6,451.61	177.27	33.78	75.55	1,112.89	351.56	5,886.88	5,765.52	121.36	48.506		
13,300.00	7,138.29	6,695.00	6,451.61	180.07	33.78	75.55	1,112.89	351.56	5,976.30	5,854.82	121.48	49.194		
13,400.00	7,138.53	6,695.00	6,451.61	182.86	33.78	75.55	1,112.89	351.56	6,066.05	5,944.45	121.60	49.886		
13,500.00	7,138.77	6,695.00	6,451.61	185.66	33.78	75.55	1,112.89	351.56	6,156.12	6,034.41	121.71	50.581		
13,600.00	7,139.01	6,695.00	6,451.61	188.46	33.78	75.55	1,112.89	351.56	6,246.48	6,124.67	121.81	51.280		
13,700.00	7,139.25	6,695.00	6,451.61	191.26	33.78	75.55	1,112.89	351.56	6,337.14	6,215.23	121.91	51.983		
13,800.00	7,139.49	6,695.00	6,451.61	194.06	33.78	75.55	1,112.89	351.56	6,428.07	6,306.07	122.00	52.689		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,695.00	6,451.61	196.87	33.78	75.55	1,112.89	351.56	6,519.27	6,397.19	122.09	53.399		
14,000.00	7,139.97	6,695.00	6,451.61	199.68	33.78	75.55	1,112.89	351.56	6,610.73	6,488.56	122.17	54.111		
14,100.00	7,140.21	6,695.00	6,451.61	202.48	33.78	75.55	1,112.89	351.56	6,702.42	6,580.17	122.25	54.826		
14,200.00	7,140.45	6,695.00	6,451.61	205.29	33.78	75.55	1,112.89	351.56	6,794.36	6,672.03	122.32	55.544		
14,300.00	7,140.69	6,695.00	6,451.61	208.10	33.78	75.55	1,112.89	351.56	6,886.51	6,764.12	122.40	56.264		
14,400.00	7,140.93	6,695.00	6,451.61	210.91	33.78	75.55	1,112.89	351.56	6,978.89	6,856.42	122.46	56.987		
14,500.00	7,141.17	6,695.00	6,451.61	213.73	33.78	75.55	1,112.89	351.56	7,071.47	6,948.94	122.53	57.712		
14,600.00	7,141.41	6,695.00	6,451.61	216.54	33.78	75.55	1,112.89	351.56	7,164.25	7,041.65	122.59	58.440		
14,700.00	7,141.65	6,695.00	6,451.61	219.36	33.78	75.55	1,112.89	351.56	7,257.22	7,134.56	122.65	59.169		
14,800.00	7,141.89	6,695.00	6,451.61	222.17	33.78	75.55	1,112.89	351.56	7,350.37	7,227.66	122.71	59.900		
14,900.00	7,142.13	6,695.00	6,451.61	224.99	33.78	75.55	1,112.89	351.56	7,443.71	7,320.94	122.77	60.633		
15,000.00	7,142.36	6,652.51	6,409.47	227.81	33.62	74.66	1,110.53	346.65	7,535.73	7,413.07	122.66	61.436		
15,100.00	7,142.60	6,651.85	6,408.82	230.63	33.62	74.64	1,110.49	346.60	7,629.36	7,506.65	122.71	62.174		
15,200.00	7,142.84	6,651.21	6,408.18	233.45	33.62	74.63	1,110.46	346.55	7,723.14	7,600.38	122.76	62.914		
15,300.00	7,143.08	6,650.59	6,407.56	236.27	33.62	74.61	1,110.43	346.50	7,817.08	7,694.27	122.80	63.655		
15,400.00	7,143.32	6,649.97	6,406.95	239.09	33.61	74.60	1,110.40	346.45	7,911.16	7,788.31	122.85	64.397		
15,500.00	7,143.56	6,649.38	6,406.35	241.91	33.61	74.59	1,110.37	346.40	8,005.39	7,882.50	122.89	65.141		
15,600.00	7,143.80	6,648.79	6,405.77	244.73	33.61	74.58	1,110.34	346.35	8,099.75	7,976.82	122.94	65.886		
15,700.00	7,144.04	6,648.22	6,405.20	247.56	33.61	74.57	1,110.32	346.31	8,194.25	8,071.28	122.98	66.632		
15,800.00	7,144.28	6,647.66	6,404.65	250.38	33.61	74.55	1,110.29	346.27	8,288.88	8,165.86	123.02	67.380		
15,900.00	7,144.52	6,647.12	6,404.11	253.21	33.60	74.54	1,110.26	346.22	8,383.63	8,260.57	123.06	68.128		
16,000.00	7,144.76	6,646.58	6,403.57	256.03	33.60	74.53	1,110.24	346.18	8,478.50	8,355.41	123.10	68.877		
16,100.00	7,145.00	6,646.06	6,403.05	258.86	33.60	74.52	1,110.21	346.14	8,573.49	8,450.36	123.13	69.627		
16,200.00	7,145.24	6,645.55	6,402.54	261.69	33.60	74.51	1,110.19	346.11	8,668.59	8,545.42	123.17	70.379		
16,300.00	7,145.48	6,645.05	6,402.04	264.52	33.60	74.50	1,110.17	346.07	8,763.80	8,640.59	123.21	71.130		
16,400.00	7,145.72	6,644.56	6,401.55	267.35	33.59	74.49	1,110.14	346.03	8,859.11	8,735.87	123.24	71.883		
16,500.00	7,145.96	6,601.00	6,358.07	270.18	33.43	73.58	1,108.40	344.31	8,956.04	8,832.92	123.12	72.744		
16,600.00	7,146.20	6,601.00	6,358.07	273.01	33.43	73.58	1,108.40	344.31	9,051.52	8,928.36	123.16	73.497		
16,700.00	7,146.44	6,601.00	6,358.07	275.84	33.43	73.58	1,108.40	344.31	9,147.09	9,023.90	123.19	74.250		
16,800.00	7,146.68	6,601.00	6,358.07	278.67	33.43	73.58	1,108.40	344.31	9,242.77	9,119.54	123.23	75.005		
16,900.00	7,146.92	6,601.00	6,358.07	281.50	33.43	73.58	1,108.40	344.31	9,338.53	9,215.26	123.27	75.760		
17,000.00	7,147.16	6,601.00	6,358.07	284.33	33.43	73.58	1,108.40	344.31	9,434.38	9,311.08	123.30	76.515		
17,100.00	7,147.40	6,601.00	6,358.07	287.16	33.43	73.58	1,108.40	344.31	9,530.31	9,406.97	123.34	77.271		
17,200.00	7,147.64	6,601.00	6,358.07	290.00	33.43	73.58	1,108.40	344.31	9,626.33	9,502.96	123.37	78.027		
17,300.00	7,147.88	6,601.00	6,358.07	292.83	33.43	73.58	1,108.40	344.31	9,722.43	9,599.02	123.41	78.783		
17,400.00	7,148.12	6,601.00	6,358.07	295.66	33.43	73.58	1,108.40	344.31	9,818.60	9,695.16	123.44	79.540		
17,500.00	7,148.36	6,601.00	6,358.07	298.50	33.43	73.58	1,108.40	344.31	9,914.85	9,791.38	123.48	80.297		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	136.12	-527.51	507.26	731.92					
100.00	100.00	96.16	96.16	3.28	3.29	136.11	-527.06	507.05	731.40	724.83	6.57	111.290		
200.00	200.00	204.19	204.17	3.34	3.31	136.06	-525.49	506.31	729.87	723.22	6.65	109.765		
300.00	299.98	312.08	312.02	3.44	3.35	-1.27	-522.78	505.03	725.50	718.70	6.80	106.741		
400.00	399.84	419.54	419.40	3.59	3.41	-1.39	-518.96	503.22	716.56	709.54	7.01	102.171		
500.00	499.45	537.33	536.97	3.80	3.58	-1.65	-512.33	500.78	702.42	695.02	7.39	94.987		
600.00	598.70	649.06	648.19	4.04	3.80	-2.21	-501.86	498.88	682.46	674.59	7.88	86.654		
700.00	697.47	761.59	759.74	4.32	4.09	-3.17	-487.14	497.83	657.15	648.71	8.44	77.823		
800.00	795.62	876.42	872.84	4.65	4.42	-4.64	-467.37	496.79	625.89	616.80	9.09	68.826		
900.00	893.06	991.60	985.30	5.01	4.80	-6.72	-442.66	494.86	588.42	578.62	9.80	60.020		
1,000.00	989.64	1,091.89	1,082.50	5.42	5.16	-9.13	-418.14	491.74	545.44	534.95	10.49	52.002		
1,044.50	1,032.32	1,129.90	1,119.29	5.61	5.30	-10.20	-408.71	490.21	525.17	514.39	10.78	48.712		
1,100.00	1,085.43	1,177.24	1,165.16	5.86	5.49	-11.53	-397.15	488.24	499.78	488.63	11.15	44.838		
1,200.00	1,181.11	1,273.84	1,258.66	6.33	5.88	-14.61	-373.41	483.28	453.92	442.05	11.87	38.256		
1,300.00	1,276.80	1,370.45	1,351.52	6.81	6.30	-18.58	-347.57	476.82	406.96	394.35	12.62	32.256		
1,400.00	1,372.49	1,451.46	1,428.83	7.31	6.66	-23.05	-323.93	471.73	360.90	347.51	13.39	26.950		
1,500.00	1,468.17	1,537.47	1,510.62	7.83	7.07	-29.20	-297.71	467.10	317.79	303.53	14.26	22.291		
1,600.00	1,563.86	1,615.66	1,584.91	8.35	7.44	-36.16	-273.69	463.03	279.03	263.82	15.22	18.336		
1,700.00	1,659.55	1,695.70	1,661.49	8.88	7.82	-44.52	-250.54	460.39	248.37	232.10	16.28	15.259		
1,800.00	1,755.23	1,783.50	1,745.92	9.42	8.23	-54.97	-226.63	457.68	226.23	208.82	17.41	12.998		
1,900.00	1,850.92	1,872.09	1,831.54	9.97	8.65	-66.50	-204.17	453.93	213.02	194.49	18.53	11.494		
1,966.31	1,914.37	1,929.37	1,886.90	10.33	8.93	-74.37	-189.73	451.25	210.36	191.14	19.23	10.942 CC, ES		
2,000.00	1,946.61	1,957.76	1,914.31	10.52	9.06	-78.31	-182.46	449.89	211.09	191.55	19.54	10.801 SF		
2,100.00	2,042.29	2,040.87	1,994.28	11.07	9.47	-89.67	-160.19	445.93	222.05	201.71	20.34	10.917		
2,200.00	2,137.98	2,124.80	2,074.79	11.63	9.89	-100.08	-136.83	441.88	244.60	223.62	20.98	11.661		
2,300.00	2,233.67	2,209.08	2,155.65	12.19	10.31	-108.80	-113.32	438.42	275.84	254.29	21.55	12.799		
2,400.00	2,329.35	2,285.70	2,228.94	12.76	10.70	-115.27	-91.12	435.96	313.99	291.99	22.00	14.271		
2,500.00	2,425.04	2,374.34	2,313.36	13.32	11.15	-121.37	-64.27	433.00	357.15	334.46	22.70	15.735		
2,600.00	2,520.72	2,459.74	2,395.07	13.89	11.59	-126.08	-39.64	429.75	401.67	378.30	23.37	17.186		
2,700.00	2,616.41	2,551.25	2,482.71	14.46	12.05	-130.09	-13.48	426.82	447.91	423.73	24.18	18.523		
2,800.00	2,712.10	2,637.17	2,565.37	15.03	12.49	-133.18	9.76	423.94	494.08	469.17	24.92	19.829		
2,900.00	2,807.78	2,717.06	2,642.06	15.60	12.89	-135.43	32.13	422.63	542.01	516.42	25.58	21.185		
3,000.00	2,903.47	2,794.92	2,716.55	16.18	13.29	-137.33	54.71	421.04	591.50	565.27	26.24	22.546		
3,100.00	2,999.16	2,870.25	2,788.29	16.75	13.69	-138.86	77.70	419.97	642.78	615.91	26.87	23.926		
3,200.00	3,094.84	2,955.17	2,869.00	17.33	14.13	-140.34	104.07	418.75	694.92	667.25	27.67	25.113		
3,300.00	3,190.53	3,048.68	2,958.08	17.90	14.63	-141.79	132.43	416.94	746.78	718.16	28.62	26.095		
3,400.00	3,286.22	3,159.21	3,064.28	18.48	15.19	-143.30	162.96	414.72	796.41	766.61	29.80	26.724		
3,500.00	3,381.90	3,229.51	3,131.86	19.06	15.55	-144.14	182.26	413.33	846.24	815.85	30.40	27.840		
3,600.00	3,477.59	3,303.02	3,202.20	19.64	15.94	-144.93	203.58	411.74	897.63	866.58	31.05	28.912		
3,700.00	3,573.28	3,429.50	3,323.56	20.22	16.59	-146.16	239.01	408.64	948.63	916.19	32.45	29.236		
3,800.00	3,668.96	3,508.71	3,400.07	20.80	16.99	-146.93	259.31	405.82	997.64	964.46	33.18	30.068		
3,900.00	3,764.65	3,573.68	3,462.66	21.38	17.33	-147.56	276.42	402.58	1,047.73	1,014.00	33.72	31.067		
4,000.00	3,860.33	3,654.07	3,539.74	21.96	17.75	-148.30	298.76	397.92	1,099.37	1,064.89	34.48	31.882		
4,100.00	3,956.02	3,755.48	3,637.21	22.54	18.28	-149.12	326.22	392.59	1,150.46	1,114.93	35.53	32.382		
4,200.00	4,051.71	3,835.79	3,714.60	23.13	18.69	-149.69	347.42	389.10	1,200.86	1,164.57	36.29	33.089		
4,300.00	4,147.39	3,883.00	3,759.94	23.71	18.94	-149.98	360.45	387.23	1,252.66	1,216.05	36.61	34.216		
4,400.00	4,243.08	3,944.29	3,818.35	24.29	19.27	-150.32	378.85	384.92	1,306.39	1,269.27	37.12	35.190		
4,500.00	4,338.77	3,992.38	3,863.65	24.88	19.53	-150.54	394.87	383.13	1,362.65	1,325.21	37.44	36.391		
4,600.00	4,434.45	4,045.74	3,913.54	25.46	19.84	-150.77	413.70	380.93	1,420.75	1,382.91	37.85	37.541		
4,700.00	4,530.14	4,119.28	3,981.85	26.04	20.26	-151.07	440.69	377.48	1,480.15	1,441.59	38.56	38.383		
4,800.00	4,625.83	4,222.66	4,078.24	26.63	20.85	-151.50	477.65	371.98	1,539.02	1,499.29	39.73	38.734		
4,900.00	4,721.51	4,467.03	4,311.43	27.21	22.16	-152.54	549.22	359.98	1,591.46	1,548.76	42.70	37.270		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,543.87	4,385.70	27.80	22.55	-152.86	568.63	356.61	1,641.35	1,597.91	43.44	37.785		
5,100.00	4,912.89	4,626.41	4,465.39	28.38	22.98	-153.16	589.87	353.22	1,691.61	1,647.36	44.25	38.230		
5,200.00	5,008.57	4,698.16	4,534.53	28.97	23.35	-153.39	608.87	350.80	1,742.34	1,697.40	44.93	38.776		
5,300.00	5,104.26	5,300.00	4,635.12	29.55	26.45	-153.67	636.39	347.94	1,792.78	1,744.34	48.44	37.010		
5,400.00	5,199.94	4,893.93	4,723.57	30.14	24.35	-153.94	659.39	344.86	1,842.40	1,795.48	46.92	39.265		
5,500.00	5,295.63	4,968.71	4,795.74	30.72	24.74	-154.15	678.72	342.18	1,892.72	1,845.08	47.65	39.725		
5,600.00	5,391.32	5,052.68	4,876.73	31.31	25.17	-154.38	700.68	338.87	1,943.43	1,894.95	48.48	40.088		
5,700.00	5,487.00	5,128.34	4,949.70	31.90	25.56	-154.58	720.41	335.70	1,994.19	1,944.97	49.22	40.520		
5,800.00	5,582.69	5,190.00	5,008.97	32.48	25.89	-154.72	737.28	333.49	2,045.85	1,996.07	49.79	41.092		
5,900.00	5,678.38	5,746.35	5,556.58	33.07	28.40	-156.10	826.61	325.31	2,083.36	2,028.60	54.75	38.049		
6,000.00	5,774.06	5,846.05	5,656.12	33.65	28.79	-156.38	832.16	325.44	2,115.12	2,059.48	55.64	38.015		
6,100.00	5,869.75	5,910.63	5,720.59	34.24	29.04	-156.57	835.92	324.82	2,147.50	2,091.17	56.32	38.127		
6,200.00	5,965.44	6,038.70	5,848.42	34.83	29.54	-156.96	843.44	322.76	2,180.33	2,122.95	57.38	38.001		
6,300.00	6,061.12	6,176.17	5,985.78	35.41	30.07	-157.34	848.86	322.57	2,210.81	2,152.35	58.46	37.820		
6,400.00	6,156.81	6,316.74	6,126.32	36.00	30.59	-157.75	851.70	322.04	2,239.83	2,180.31	59.53	37.628		
6,500.00	6,252.50	6,424.27	6,233.84	36.59	30.98	-158.07	852.14	321.48	2,267.47	2,207.05	60.42	37.527		
6,600.00	6,348.18	7,855.01	7,139.80	37.18	38.39	-140.98	865.60	1,143.49	2,287.34	2,220.39	66.95	34.163		
6,636.04	6,382.67	7,867.00	7,139.87	37.39	38.56	-140.68	865.80	1,155.48	2,282.84	2,215.14	67.70	33.720		
6,650.00	6,396.05	7,867.00	7,139.87	37.47	38.56	-143.82	865.80	1,155.48	2,281.23	2,213.31	67.91	33.589		
6,700.00	6,444.38	7,867.00	7,139.87	37.74	38.56	-157.95	865.80	1,155.48	2,276.07	2,207.41	68.66	33.149		
6,750.00	6,493.07	7,867.89	7,139.88	37.98	38.57	-176.20	865.81	1,156.37	2,271.94	2,202.56	69.38	32.745		
6,800.00	6,541.82	7,867.04	7,139.87	38.18	38.56	164.44	865.80	1,155.51	2,268.86	2,198.82	70.04	32.396		
6,850.00	6,590.35	7,867.00	7,139.87	38.35	38.56	148.06	865.80	1,155.48	2,266.84	2,196.18	70.66	32.079		
6,900.00	6,638.34	7,867.00	7,139.87	38.50	38.56	135.99	865.80	1,155.48	2,265.92	2,194.66	71.26	31.797		
6,920.00	6,657.32	7,855.49	7,139.81	38.56	38.40	131.93	865.61	1,143.97	2,265.81	2,194.50	71.31	31.775		
6,950.00	6,685.50	7,850.37	7,139.78	38.64	38.33	127.04	865.54	1,138.85	2,266.00	2,194.43	71.56	31.664		
7,000.00	6,731.54	7,839.89	7,139.74	38.77	38.18	120.66	865.40	1,128.37	2,267.10	2,195.16	71.94	31.514		
7,050.00	6,776.18	7,827.01	7,139.70	38.90	38.01	115.80	865.28	1,115.49	2,269.16	2,196.90	72.25	31.405		
7,100.00	6,819.14	7,811.81	7,139.69	39.03	37.80	111.94	865.17	1,100.30	2,272.08	2,199.57	72.51	31.333		
7,150.00	6,860.16	7,794.38	7,139.70	39.16	37.56	108.74	865.12	1,082.86	2,275.78	2,203.06	72.72	31.293		
7,200.00	6,898.98	7,778.79	7,139.74	39.31	37.34	106.10	865.12	1,067.27	2,280.16	2,207.21	72.95	31.255		
7,250.00	6,935.36	7,720.00	7,139.49	39.47	36.63	103.03	865.09	1,008.48	2,284.83	2,212.29	72.54	31.498		
7,300.00	6,969.08	7,691.40	7,138.66	39.65	36.31	100.86	865.02	979.90	2,289.64	2,217.01	72.63	31.525		
7,350.00	6,999.94	7,665.29	7,137.17	39.85	36.03	98.97	865.13	953.83	2,294.72	2,221.95	72.77	31.532		
7,400.00	7,027.74	7,400.00	7,130.81	40.08	34.16	96.82	865.72	899.49	2,299.99	2,229.61	70.38	32.680		
7,450.00	7,052.31	7,560.90	7,123.21	40.34	35.06	94.99	866.27	850.49	2,305.12	2,232.66	72.46	31.811		
7,500.00	7,073.49	7,531.00	7,116.20	40.63	34.83	93.61	866.24	821.42	2,309.42	2,236.75	72.67	31.779		
7,550.00	7,091.17	7,496.66	7,106.42	40.95	34.61	92.30	866.34	788.50	2,313.53	2,240.62	72.91	31.733		
7,600.00	7,105.22	7,476.62	7,099.85	41.31	34.50	91.34	866.65	769.57	2,317.70	2,244.36	73.34	31.601		
7,650.00	7,115.57	7,437.00	7,085.01	41.71	34.30	90.24	867.77	732.86	2,321.97	2,248.39	73.58	31.557		
7,700.00	7,122.15	7,431.73	7,082.86	42.15	34.28	89.71	867.96	728.06	2,325.75	2,251.49	74.26	31.319		
7,750.00	7,124.91	7,255.88	6,989.75	42.62	33.73	86.96	868.62	579.63	2,328.36	2,255.07	73.29	31.769		
7,759.54	7,125.00	7,249.00	6,985.23	42.72	33.71	86.83	868.38	574.45	2,328.50	2,255.12	73.37	31.735		
7,800.00	7,125.10	7,224.50	6,968.74	43.13	33.64	86.42	867.53	556.36	2,329.22	2,255.42	73.81	31.559		
7,900.00	7,125.34	7,178.53	6,936.25	44.28	33.52	85.62	866.16	523.87	2,333.01	2,257.92	75.09	31.069		
8,000.00	7,125.58	7,127.65	6,898.06	45.61	33.38	84.68	864.89	490.29	2,339.74	2,263.29	76.45	30.604		
8,100.00	7,125.82	7,072.73	6,854.23	47.10	33.22	83.61	863.18	457.27	2,349.20	2,271.33	77.87	30.169		
8,200.00	7,126.06	7,021.89	6,811.57	48.72	33.07	82.56	861.18	429.70	2,361.61	2,282.23	79.38	29.750		
8,300.00	7,126.30	6,977.54	6,773.12	50.48	32.93	81.62	859.07	407.71	2,377.11	2,296.13	80.98	29.353		
8,400.00	7,126.54	6,966.00	6,762.94	52.34	32.89	81.37	858.46	402.31	2,396.05	2,313.17	82.88	28.909		
8,500.00	7,126.78	6,936.65	6,736.66	54.30	32.80	80.73	857.01	389.32	2,418.48	2,333.86	84.62	28.581		
8,600.00	7,127.02	6,921.73	6,723.09	56.35	32.75	80.40	856.37	383.17	2,444.61	2,358.16	86.45	28.279		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,908.23	6,710.67	58.47	32.70	80.10	855.84	377.87	2,474.27	2,386.03	88.24	28.041		
8,800.00	7,127.50	6,872.00	6,676.86	60.66	32.58	79.29	854.69	364.92	2,507.74	2,417.95	89.78	27.931		
8,900.00	7,127.74	6,872.00	6,676.86	62.90	32.58	79.29	854.69	364.92	2,543.93	2,452.37	91.56	27.784		
9,000.00	7,127.98	6,872.00	6,676.86	65.19	32.58	79.29	854.69	364.92	2,583.49	2,490.23	93.26	27.703		
9,100.00	7,128.22	6,872.00	6,676.86	67.53	32.58	79.29	854.69	364.92	2,626.26	2,531.40	94.86	27.685		
9,200.00	7,128.46	6,872.00	6,676.86	69.92	32.58	79.29	854.69	364.92	2,672.09	2,575.71	96.38	27.725		
9,300.00	7,128.70	6,872.00	6,676.86	72.33	32.58	79.29	854.69	364.92	2,720.83	2,623.03	97.80	27.820		
9,400.00	7,128.94	6,872.00	6,676.86	74.78	32.58	79.29	854.69	364.92	2,772.32	2,673.18	99.14	27.965		
9,500.00	7,129.18	6,832.88	6,639.63	77.26	32.45	78.40	853.91	352.95	2,825.33	2,725.18	100.15	28.212		
9,600.00	7,129.42	6,826.14	6,633.16	79.76	32.42	78.24	853.83	351.09	2,881.45	2,780.17	101.28	28.451		
9,700.00	7,129.66	6,819.83	6,627.08	82.29	32.40	78.10	853.77	349.40	2,939.84	2,837.51	102.33	28.728		
9,800.00	7,129.90	6,813.89	6,621.34	84.84	32.38	77.96	853.72	347.86	3,000.37	2,897.06	103.31	29.042		
9,900.00	7,130.14	6,777.00	6,585.45	87.41	32.25	77.11	853.71	339.34	3,063.66	2,959.62	104.04	29.448		
10,000.00	7,130.38	6,777.00	6,585.45	90.00	32.25	77.11	853.71	339.34	3,127.90	3,022.98	104.92	29.813		
10,100.00	7,130.62	6,777.00	6,585.45	92.60	32.25	77.11	853.71	339.34	3,193.98	3,088.25	105.73	30.208		
10,200.00	7,130.86	6,777.00	6,585.45	95.22	32.25	77.11	853.71	339.34	3,261.79	3,155.31	106.48	30.632		
10,300.00	7,131.09	6,777.00	6,585.45	97.85	32.25	77.11	853.71	339.34	3,331.22	3,224.04	107.18	31.082		
10,400.00	7,131.33	6,777.00	6,585.45	100.50	32.25	77.11	853.71	339.34	3,402.17	3,294.36	107.81	31.556		
10,500.00	7,131.57	6,777.00	6,585.45	103.16	32.25	77.11	853.71	339.34	3,474.56	3,366.15	108.40	32.052		
10,600.00	7,131.81	6,777.00	6,585.45	105.82	32.25	77.11	853.71	339.34	3,548.28	3,439.34	108.94	32.570		
10,700.00	7,132.05	6,777.00	6,585.45	108.50	32.25	77.11	853.71	339.34	3,623.27	3,513.82	109.44	33.106		
10,800.00	7,132.29	6,777.00	6,585.45	111.19	32.25	77.11	853.71	339.34	3,699.44	3,589.53	109.90	33.661		
10,900.00	7,132.53	6,777.00	6,585.45	113.88	32.25	77.11	853.71	339.34	3,776.72	3,666.39	110.33	34.233		
11,000.00	7,132.77	6,777.00	6,585.45	116.58	32.25	77.11	853.71	339.34	3,855.04	3,744.33	110.71	34.820		
11,100.00	7,133.01	6,777.00	6,585.45	119.29	32.25	77.11	853.71	339.34	3,934.35	3,823.28	111.07	35.421		
11,200.00	7,133.25	6,777.00	6,585.45	122.01	32.25	77.11	853.71	339.34	4,014.58	3,903.18	111.40	36.037		
11,300.00	7,133.49	6,777.00	6,585.45	124.73	32.25	77.11	853.71	339.34	4,095.68	3,983.98	111.71	36.665		
11,400.00	7,133.73	6,777.00	6,585.45	127.46	32.25	77.11	853.71	339.34	4,177.61	4,065.62	111.99	37.305		
11,500.00	7,133.97	6,777.00	6,585.45	130.19	32.25	77.11	853.71	339.34	4,260.30	4,148.06	112.24	37.956		
11,600.00	7,134.21	6,777.00	6,585.45	132.93	32.25	77.11	853.71	339.34	4,343.72	4,231.24	112.48	38.618		
11,700.00	7,134.45	6,777.00	6,585.45	135.68	32.25	77.11	853.71	339.34	4,427.83	4,315.13	112.70	39.289		
11,800.00	7,134.69	6,736.70	6,545.81	138.43	32.11	76.18	853.84	332.16	4,511.49	4,398.71	112.78	40.004		
11,900.00	7,134.93	6,734.33	6,543.46	141.18	32.10	76.13	853.84	331.81	4,596.72	4,483.76	112.96	40.694		
12,000.00	7,135.17	6,732.06	6,541.21	143.94	32.09	76.08	853.84	331.48	4,682.53	4,569.40	113.13	41.391		
12,100.00	7,135.41	6,729.89	6,539.06	146.70	32.09	76.03	853.84	331.17	4,768.89	4,655.60	113.28	42.097		
12,200.00	7,135.65	6,727.81	6,537.00	149.46	32.08	75.98	853.84	330.88	4,855.76	4,742.33	113.43	42.809		
12,300.00	7,135.89	6,725.81	6,535.03	152.23	32.07	75.93	853.83	330.61	4,943.12	4,829.56	113.56	43.528		
12,400.00	7,136.13	6,723.90	6,533.13	155.00	32.06	75.89	853.83	330.35	5,030.95	4,917.27	113.68	44.253		
12,500.00	7,136.37	6,722.06	6,531.31	157.78	32.06	75.85	853.83	330.11	5,119.22	5,005.42	113.80	44.985		
12,600.00	7,136.61	6,682.00	6,491.46	160.55	31.92	74.92	853.63	326.04	5,208.93	5,095.16	113.77	45.785		
12,700.00	7,136.85	6,682.00	6,491.46	163.33	31.92	74.92	853.63	326.04	5,297.93	5,184.05	113.88	46.524		
12,800.00	7,137.09	6,682.00	6,491.46	166.12	31.92	74.92	853.63	326.04	5,387.32	5,273.34	113.98	47.267		
12,900.00	7,137.33	6,682.00	6,491.46	168.90	31.92	74.92	853.63	326.04	5,477.07	5,363.01	114.07	48.016		
13,000.00	7,137.57	6,682.00	6,491.46	171.69	31.92	74.92	853.63	326.04	5,567.18	5,453.03	114.15	48.769		
13,100.00	7,137.81	6,682.00	6,491.46	174.48	31.92	74.92	853.63	326.04	5,657.62	5,543.38	114.23	49.526		
13,200.00	7,138.05	6,682.00	6,491.46	177.27	31.92	74.92	853.63	326.04	5,748.37	5,634.06	114.31	50.288		
13,300.00	7,138.29	6,682.00	6,491.46	180.07	31.92	74.92	853.63	326.04	5,839.43	5,725.05	114.38	51.053		
13,400.00	7,138.53	6,682.00	6,491.46	182.86	31.92	74.92	853.63	326.04	5,930.77	5,816.33	114.45	51.822		
13,500.00	7,138.77	6,682.00	6,491.46	185.66	31.92	74.92	853.63	326.04	6,022.39	5,907.89	114.51	52.594		
13,600.00	7,139.01	6,682.00	6,491.46	188.46	31.92	74.92	853.63	326.04	6,114.28	5,999.71	114.57	53.369		
13,700.00	7,139.25	6,682.00	6,491.46	191.26	31.92	74.92	853.63	326.04	6,206.41	6,091.79	114.62	54.147		
13,800.00	7,139.49	6,682.00	6,491.46	194.06	31.92	74.92	853.63	326.04	6,298.78	6,184.11	114.67	54.929		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,682.00	6,491.46	196.87	31.92	74.92	853.63	326.04	6,391.38	6,276.66	114.72	55.713		
14,000.00	7,139.97	6,682.00	6,491.46	199.68	31.92	74.92	853.63	326.04	6,484.21	6,369.44	114.77	56.499		
14,100.00	7,140.21	6,682.00	6,491.46	202.48	31.92	74.92	853.63	326.04	6,577.24	6,462.43	114.81	57.288		
14,200.00	7,140.45	6,682.00	6,491.46	205.29	31.92	74.92	853.63	326.04	6,670.47	6,555.62	114.85	58.079		
14,300.00	7,140.69	6,682.00	6,491.46	208.10	31.92	74.92	853.63	326.04	6,763.90	6,649.01	114.89	58.872		
14,400.00	7,140.93	6,682.00	6,491.46	210.91	31.92	74.92	853.63	326.04	6,857.52	6,742.59	114.93	59.668		
14,500.00	7,141.17	6,682.00	6,491.46	213.73	31.92	74.92	853.63	326.04	6,951.31	6,836.34	114.96	60.465		
14,600.00	7,141.41	6,682.00	6,491.46	216.54	31.92	74.92	853.63	326.04	7,045.27	6,930.27	115.00	61.264		
14,700.00	7,141.65	6,682.00	6,491.46	219.36	31.92	74.92	853.63	326.04	7,139.39	7,024.36	115.03	62.064		
14,800.00	7,141.89	6,682.00	6,491.46	222.17	31.92	74.92	853.63	326.04	7,233.68	7,118.61	115.06	62.867		
14,900.00	7,142.13	6,682.00	6,491.46	224.99	31.92	74.92	853.63	326.04	7,328.11	7,213.02	115.09	63.670		
15,000.00	7,142.36	6,682.00	6,491.46	227.81	31.92	74.92	853.63	326.04	7,422.69	7,307.57	115.12	64.475		
15,100.00	7,142.60	6,682.00	6,491.46	230.63	31.92	74.92	853.63	326.04	7,517.42	7,402.26	115.15	65.282		
15,200.00	7,142.84	6,682.00	6,491.46	233.45	31.92	74.92	853.63	326.04	7,612.27	7,497.09	115.18	66.089		
15,300.00	7,143.08	6,682.00	6,491.46	236.27	31.92	74.92	853.63	326.04	7,707.26	7,592.05	115.21	66.898		
15,400.00	7,143.32	6,682.00	6,491.46	239.09	31.92	74.92	853.63	326.04	7,802.37	7,687.13	115.24	67.707		
15,500.00	7,143.56	6,682.00	6,491.46	241.91	31.92	74.92	853.63	326.04	7,897.60	7,782.34	115.26	68.518		
15,600.00	7,143.80	6,682.00	6,491.46	244.73	31.92	74.92	853.63	326.04	7,992.95	7,877.66	115.29	69.330		
15,700.00	7,144.04	6,682.00	6,491.46	247.56	31.92	74.92	853.63	326.04	8,088.41	7,973.10	115.31	70.142		
15,800.00	7,144.28	6,682.00	6,491.46	250.38	31.92	74.92	853.63	326.04	8,183.98	8,068.64	115.34	70.955		
15,900.00	7,144.52	6,682.00	6,491.46	253.21	31.92	74.92	853.63	326.04	8,279.66	8,164.29	115.37	71.769		
16,000.00	7,144.76	6,682.00	6,491.46	256.03	31.92	74.92	853.63	326.04	8,375.43	8,260.04	115.39	72.584		
16,100.00	7,145.00	6,682.00	6,491.46	258.86	31.92	74.92	853.63	326.04	8,471.30	8,355.89	115.41	73.399		
16,200.00	7,145.24	6,682.00	6,491.46	261.69	31.92	74.92	853.63	326.04	8,567.27	8,451.83	115.44	74.214		
16,300.00	7,145.48	6,682.00	6,491.46	264.52	31.92	74.92	853.63	326.04	8,663.33	8,547.87	115.46	75.031		
16,400.00	7,145.72	6,682.00	6,491.46	267.35	31.92	74.92	853.63	326.04	8,759.48	8,643.99	115.49	75.847		
16,500.00	7,145.96	6,682.00	6,491.46	270.18	31.92	74.92	853.63	326.04	8,855.71	8,740.19	115.51	76.664		
16,600.00	7,146.20	6,682.00	6,491.46	273.01	31.92	74.92	853.63	326.04	8,952.02	8,836.48	115.54	77.481		
16,700.00	7,146.44	6,682.00	6,491.46	275.84	31.92	74.92	853.63	326.04	9,048.42	8,932.85	115.56	78.299		
16,800.00	7,146.68	6,682.00	6,491.46	278.67	31.92	74.92	853.63	326.04	9,144.89	9,029.30	115.59	79.117		
16,900.00	7,146.92	6,682.00	6,491.46	281.50	31.92	74.92	853.63	326.04	9,241.44	9,125.82	115.61	79.934		
17,000.00	7,147.16	6,682.00	6,491.46	284.33	31.92	74.92	853.63	326.04	9,338.06	9,222.42	115.64	80.753		
17,100.00	7,147.40	6,682.00	6,491.46	287.16	31.92	74.92	853.63	326.04	9,434.75	9,319.08	115.66	81.571		
17,200.00	7,147.64	6,682.00	6,491.46	290.00	31.92	74.92	853.63	326.04	9,531.50	9,415.82	115.69	82.389		
17,300.00	7,147.88	6,682.00	6,491.46	292.83	31.92	74.92	853.63	326.04	9,628.33	9,512.61	115.71	83.207		
17,400.00	7,148.12	6,682.00	6,491.46	295.66	31.92	74.92	853.63	326.04	9,725.22	9,609.48	115.74	84.026		
17,500.00	7,148.36	6,682.00	6,491.46	298.50	31.92	74.92	853.63	326.04	9,822.17	9,706.40	115.77	84.844		
17,600.00	7,148.60	6,682.00	6,491.46	301.33	31.92	74.92	853.63	326.04	9,919.18	9,803.39	115.79	85.662		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	142.84	-667.77	506.15	837.99					
100.00	100.00	89.63	89.63	3.28	3.29	142.86	-667.89	505.93	837.88	831.31	6.57	127.520		
200.00	200.00	190.58	190.57	3.34	3.31	142.92	-668.32	505.17	837.76	831.11	6.65	125.961		
300.00	299.98	282.59	282.58	3.44	3.39	5.75	-668.82	504.29	835.93	829.09	6.84	122.282		
400.00	399.84	354.90	354.85	3.59	3.49	5.86	-670.96	504.39	833.15	826.06	7.09	117.441		
500.00	499.45	436.50	436.29	3.80	3.63	6.11	-675.97	504.74	829.66	822.21	7.44	111.452		
600.00	598.70	513.38	512.85	4.04	3.79	6.45	-682.96	505.14	825.17	817.30	7.86	104.923		
700.00	697.47	595.26	594.18	4.32	3.99	6.88	-692.41	506.47	819.86	811.51	8.35	98.142		
800.00	795.62	677.27	675.38	4.65	4.21	7.42	-703.73	507.89	813.12	804.22	8.90	91.359		
900.00	893.06	756.25	753.22	5.01	4.45	8.09	-717.05	508.99	805.39	795.90	9.49	84.845		
1,000.00	989.64	835.01	830.29	5.42	4.71	8.96	-733.22	509.39	796.97	786.84	10.13	78.678		
1,044.50	1,032.32	873.04	867.33	5.61	4.85	9.45	-741.89	509.26	792.88	782.44	10.43	75.994		
1,100.00	1,085.43	920.07	912.96	5.86	5.03	10.10	-753.25	508.78	787.91	777.09	10.82	72.843		
1,200.00	1,181.11	1,001.78	991.68	6.33	5.36	11.39	-775.01	506.80	780.78	769.25	11.53	67.722		
1,300.00	1,276.80	1,091.13	1,077.18	6.81	5.74	12.94	-800.82	503.80	775.82	763.52	12.29	63.103		
1,400.00	1,372.49	1,184.03	1,165.84	7.31	6.16	14.60	-828.38	500.72	772.31	759.21	13.10	58.960		
1,500.00	1,468.17	1,281.05	1,258.33	7.83	6.61	16.36	-857.48	497.45	769.84	755.89	13.94	55.213		
1,600.00	1,563.86	1,371.52	1,344.54	8.35	7.05	17.99	-884.79	494.67	768.43	753.65	14.78	51.990		
1,700.00	1,659.55	1,471.01	1,438.94	8.88	7.55	19.92	-915.84	490.08	768.24	752.56	15.68	49.000		
1,708.00	1,667.20	1,479.07	1,446.58	8.93	7.60	20.09	-918.38	489.58	768.24	752.48	15.75	48.772		
1,800.00	1,755.23	1,569.44	1,532.11	9.42	8.06	22.00	-946.87	483.30	768.54	751.95	16.59	46.321		
1,900.00	1,850.92	1,671.12	1,628.47	9.97	8.59	24.14	-978.49	476.08	769.42	751.88	17.54	43.873		
2,000.00	1,946.61	1,766.02	1,718.65	10.52	9.09	26.07	-1,007.41	469.98	770.87	752.41	18.46	41.764		
2,100.00	2,042.29	1,885.11	1,832.33	11.07	9.72	28.39	-1,042.29	463.35	772.35	752.83	19.52	39.561		
2,200.00	2,137.98	1,986.70	1,929.92	11.63	10.25	30.29	-1,070.02	458.24	772.80	752.30	20.50	37.704		
2,300.00	2,233.67	2,091.90	2,031.33	12.19	10.79	32.19	-1,097.66	453.75	773.16	751.66	21.50	35.965		
2,371.97	2,302.53	2,169.50	2,106.32	12.60	11.19	33.60	-1,117.25	450.19	773.12	750.89	22.23	34.773		
2,400.00	2,329.35	2,194.50	2,130.50	12.76	11.32	34.05	-1,123.53	449.03	773.16	750.67	22.49	34.374		
2,500.00	2,425.04	2,283.59	2,216.61	13.32	11.78	35.65	-1,146.03	445.11	774.05	750.63	23.42	33.047		
2,600.00	2,520.72	2,376.35	2,305.91	13.89	12.27	37.28	-1,170.88	441.62	777.21	752.83	24.38	31.879		
2,700.00	2,616.41	2,482.93	2,408.92	14.46	12.83	39.10	-1,197.98	438.05	779.72	754.29	25.43	30.661		
2,800.00	2,712.10	2,573.43	2,496.34	15.03	13.30	40.60	-1,221.27	435.41	783.25	756.87	26.39	29.684		
2,900.00	2,807.78	2,660.64	2,580.37	15.60	13.77	41.97	-1,244.51	433.82	788.36	761.04	27.32	28.851		
3,000.00	2,903.47	2,752.78	2,668.76	16.18	14.26	43.44	-1,270.43	431.48	795.54	767.24	28.30	28.106		
3,100.00	2,999.16	2,852.13	2,764.25	16.75	14.80	45.05	-1,297.67	428.31	802.66	773.32	29.35	27.350		
3,200.00	3,094.84	2,937.62	2,846.13	17.33	15.27	46.47	-1,321.97	424.58	811.56	781.27	30.29	26.794		
3,300.00	3,190.53	3,038.39	2,942.42	17.90	15.82	48.11	-1,351.34	420.10	821.87	790.50	31.36	26.204		
3,400.00	3,286.22	3,142.86	3,042.74	18.48	16.39	49.77	-1,380.13	415.72	831.13	798.66	32.48	25.592		
3,500.00	3,381.90	3,233.13	3,129.27	19.06	16.89	51.18	-1,405.55	411.82	841.67	808.20	33.47	25.146		
3,600.00	3,477.59	3,348.96	3,240.40	19.64	17.52	52.93	-1,437.83	406.96	852.58	817.89	34.69	24.575		
3,700.00	3,573.28	3,439.05	3,327.30	20.22	18.00	54.22	-1,461.45	404.04	862.17	826.47	35.70	24.153		
3,800.00	3,668.96	3,543.99	3,428.17	20.80	18.57	55.72	-1,490.07	399.97	873.47	836.63	36.83	23.714		
3,900.00	3,764.65	3,642.42	3,523.12	21.38	19.10	57.04	-1,515.90	397.26	883.91	846.00	37.92	23.313		
4,000.00	3,860.33	3,731.64	3,608.99	21.96	19.59	58.16	-1,539.99	395.37	895.37	856.45	38.92	23.005		
4,100.00	3,956.02	3,816.26	3,690.18	22.54	20.05	59.19	-1,563.78	393.41	908.37	868.48	39.88	22.776		
4,200.00	4,051.71	3,905.43	3,775.37	23.13	20.55	60.22	-1,590.07	391.41	923.01	882.12	40.89	22.573		
4,300.00	4,147.39	4,000.38	3,865.90	23.71	21.09	61.26	-1,618.61	389.51	938.49	896.53	41.96	22.368		
4,400.00	4,243.08	4,093.10	3,954.24	24.29	21.61	62.24	-1,646.73	387.71	954.51	911.50	43.00	22.195		
4,500.00	4,338.77	4,185.82	4,042.38	24.88	22.14	63.16	-1,675.45	385.99	971.39	927.33	44.05	22.050		
4,600.00	4,434.45	4,289.17	4,140.65	25.46	22.73	64.18	-1,707.36	383.73	988.60	943.38	45.22	21.860		
4,700.00	4,530.14	4,397.04	4,243.58	26.04	23.34	65.23	-1,739.55	381.50	1,005.06	958.62	46.44	21.642		
4,800.00	4,625.83	4,485.19	4,327.85	26.63	23.83	66.10	-1,765.32	378.96	1,021.58	974.14	47.45	21.531		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,721.51	4,582.55	4,420.90	27.21	24.38	67.15	-1,793.55	374.06	1,039.13	990.57	48.56	21.399		
5,000.00	4,817.20	4,688.78	4,522.66	27.80	24.97	68.30	-1,823.49	368.33	1,056.46	1,006.69	49.77	21.227		
5,100.00	4,912.89	4,815.84	4,645.00	28.38	25.66	69.65	-1,857.15	362.05	1,072.48	1,021.30	51.18	20.956		
5,200.00	5,008.57	4,896.42	4,722.82	28.97	26.10	70.50	-1,877.68	358.00	1,087.95	1,035.83	52.12	20.873		
5,300.00	5,104.26	5,002.50	4,825.20	29.55	26.67	71.65	-1,904.71	351.56	1,104.32	1,051.00	53.32	20.711		
5,400.00	5,199.94	5,096.03	4,915.57	30.14	27.17	72.63	-1,928.18	346.16	1,120.54	1,066.15	54.39	20.601		
5,500.00	5,295.63	5,195.64	5,011.79	30.72	27.70	73.62	-1,953.40	340.68	1,137.15	1,081.63	55.53	20.480		
5,600.00	5,391.32	5,305.47	5,117.92	31.31	28.29	74.65	-1,981.13	335.60	1,153.55	1,096.80	56.76	20.324		
5,700.00	5,487.00	5,475.68	5,283.75	31.90	29.17	76.20	-2,019.08	330.82	1,167.00	1,108.55	58.45	19.966		
5,800.00	5,582.69	5,613.32	5,419.33	32.48	29.83	77.53	-2,042.72	329.21	1,175.39	1,115.62	59.77	19.666		
5,900.00	5,678.38	5,743.69	5,548.33	33.07	30.43	78.81	-2,061.49	329.32	1,181.20	1,120.21	60.99	19.367		
6,000.00	5,774.06	5,870.61	5,674.53	33.65	30.98	80.21	-2,074.91	328.74	1,184.70	1,122.54	62.16	19.060		
6,100.00	5,869.75	5,975.64	5,779.23	34.24	31.41	81.50	-2,083.08	326.92	1,187.35	1,124.10	63.25	18.772		
6,200.00	5,965.44	6,085.05	5,888.40	34.83	31.86	82.89	-2,090.05	324.90	1,189.55	1,125.21	64.35	18.487		
6,300.00	6,061.12	6,209.14	6,012.31	35.41	32.35	84.47	-2,096.38	323.31	1,191.16	1,125.71	65.44	18.201		
6,400.00	6,156.81	6,332.08	6,135.22	36.00	32.82	86.12	-2,099.09	322.76	1,190.66	1,124.15	66.51	17.902		
6,454.22	6,208.69	6,374.70	6,177.83	36.32	32.98	86.71	-2,099.67	322.43	1,190.45	1,123.37	67.08	17.746		
6,500.00	6,252.50	6,413.89	6,217.01	36.59	33.12	87.25	-2,100.21	321.94	1,190.61	1,123.05	67.57	17.622		
6,600.00	6,348.18	7,948.18	7,096.25	37.18	39.14	57.96	-2,104.72	1,170.78	1,123.86	1,077.47	46.39	24.228		
6,636.04	6,382.67	7,954.62	7,096.16	37.39	39.24	57.44	-2,104.87	1,177.22	1,095.14	1,047.54	47.60	23.007		
6,650.00	6,396.05	7,956.98	7,096.12	37.47	39.28	52.39	-2,104.93	1,179.58	1,084.10	1,036.02	48.08	22.547		
6,700.00	6,444.38	7,963.07	7,096.04	37.74	39.37	31.66	-2,105.08	1,185.67	1,044.73	994.90	49.83	20.968		
6,750.00	6,493.07	7,965.46	7,096.00	37.98	39.41	7.29	-2,105.14	1,188.06	1,005.90	954.31	51.59	19.496		
6,800.00	6,541.82	7,964.13	7,096.02	38.18	39.39	-17.46	-2,105.10	1,186.72	967.96	914.59	53.38	18.134		
6,850.00	6,590.35	7,959.06	7,096.09	38.35	39.31	-38.43	-2,104.98	1,181.65	931.26	876.09	55.17	16.879		
6,900.00	6,638.34	7,950.27	7,096.22	38.50	39.17	-54.23	-2,104.77	1,172.87	896.11	839.14	56.96	15.731		
6,950.00	6,685.50	7,937.82	7,096.40	38.64	38.97	-65.68	-2,104.48	1,160.42	862.81	804.08	58.74	14.690		
7,000.00	6,731.54	7,921.75	7,096.63	38.77	38.72	-73.94	-2,104.11	1,144.37	831.65	771.18	60.47	13.753		
7,050.00	6,776.18	7,906.39	7,096.86	38.90	38.49	-80.21	-2,103.82	1,129.01	802.89	740.71	62.18	12.913		
7,100.00	6,819.14	7,888.45	7,097.13	39.03	38.24	-84.83	-2,103.62	1,111.07	776.82	713.01	63.81	12.174		
7,150.00	6,860.16	7,867.84	7,097.46	39.16	37.94	-88.18	-2,103.57	1,090.46	753.64	688.30	65.33	11.536		
7,200.00	6,898.98	7,844.68	7,097.83	39.31	37.61	-90.54	-2,103.76	1,067.31	733.47	666.75	66.72	10.993		
7,250.00	6,935.36	7,815.47	7,098.31	39.47	37.21	-91.92	-2,104.30	1,038.11	716.39	648.43	67.96	10.541		
7,300.00	6,969.08	7,773.50	7,098.83	39.65	36.67	-92.15	-2,105.02	996.14	701.88	632.83	69.05	10.165		
7,350.00	6,999.94	7,729.39	7,099.09	39.85	36.15	-91.99	-2,105.48	952.04	689.57	619.60	69.97	9.856		
7,400.00	7,027.74	7,686.61	7,099.14	40.08	35.99	-91.70	-2,105.75	909.26	679.35	608.55	70.80	9.595		
7,450.00	7,052.31	7,642.08	7,099.03	40.34	35.98	-91.20	-2,105.95	864.73	671.07	599.60	71.48	9.389		
7,500.00	7,073.49	7,593.76	7,098.30	40.63	35.98	-90.49	-2,106.02	816.42	664.43	592.31	72.13	9.212		
7,550.00	7,091.17	7,546.01	7,096.27	40.95	35.98	-89.72	-2,105.93	768.72	659.16	586.48	72.67	9.070		
7,600.00	7,105.22	7,479.28	7,090.63	41.31	35.97	-88.32	-2,104.77	702.24	654.53	581.20	73.33	8.926		
7,650.00	7,115.57	7,413.84	7,081.31	41.71	35.97	-86.95	-2,101.68	637.55	649.77	575.84	73.93	8.789		
7,700.00	7,122.15	7,380.52	7,073.74	42.15	35.94	-86.36	-2,099.87	605.17	645.93	571.48	74.45	8.676		
7,750.00	7,124.91	7,349.44	7,063.24	42.62	35.91	-85.48	-2,098.70	575.97	644.28	569.33	74.95	8.596		
7,759.54	7,125.00	7,343.72	7,060.95	42.72	35.91	-85.28	-2,098.54	570.72	644.22	569.18	75.04	8.585		
7,761.72	7,125.01	7,342.42	7,060.42	42.74	35.91	-85.23	-2,098.51	569.54	644.22	569.16	75.06	8.583 CC, ES		
7,800.00	7,125.10	7,320.00	7,050.34	43.13	35.89	-84.33	-2,098.07	549.53	644.77	569.34	75.43	8.548		
7,900.00	7,125.34	7,265.27	7,019.25	44.28	35.80	-81.57	-2,097.67	504.59	651.64	575.18	76.46	8.523 SF		
8,000.00	7,125.58	7,224.00	6,990.30	45.61	35.73	-79.05	-2,097.80	475.24	667.96	590.64	77.32	8.639		
8,100.00	7,125.82	7,177.00	6,953.59	47.10	35.61	-75.91	-2,097.98	445.91	694.20	616.17	78.02	8.898		
8,200.00	7,126.06	7,143.32	6,925.83	48.72	35.52	-73.59	-2,098.08	426.84	729.98	651.48	78.50	9.299		
8,300.00	7,126.30	7,115.20	6,901.91	50.48	35.45	-71.64	-2,098.46	412.07	774.94	696.11	78.82	9.832		
8,400.00	7,126.54	7,074.00	6,865.74	52.34	35.34	-68.80	-2,099.55	392.39	828.32	749.38	78.94	10.493		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,126.78	7,074.00	6,865.74	54.30	35.34	-68.80	-2,099.55	392.39	887.94	808.81	79.13	11.221		
8,600.00	7,127.02	7,046.41	6,840.85	56.35	35.26	-66.92	-2,100.42	380.52	953.54	874.41	79.14	12.049		
8,700.00	7,127.26	7,027.17	6,823.20	58.47	35.20	-65.61	-2,100.95	372.88	1,023.92	944.80	79.11	12.942		
8,800.00	7,127.50	7,010.33	6,807.58	60.66	35.15	-64.48	-2,101.36	366.62	1,098.27	1,019.20	79.07	13.890		
8,900.00	7,127.74	6,979.00	6,778.09	62.90	35.06	-62.39	-2,102.00	356.05	1,176.23	1,097.29	78.94	14.901		
9,000.00	7,127.98	6,979.00	6,778.09	65.19	35.06	-62.39	-2,102.00	356.05	1,256.42	1,177.50	78.92	15.920		
9,100.00	7,128.22	6,979.00	6,778.09	67.53	35.06	-62.39	-2,102.00	356.05	1,339.29	1,260.41	78.88	16.979		
9,200.00	7,128.46	6,979.00	6,778.09	69.92	35.06	-62.39	-2,102.00	356.05	1,424.35	1,345.53	78.82	18.071		
9,300.00	7,128.70	6,979.00	6,778.09	72.33	35.06	-62.39	-2,102.00	356.05	1,511.25	1,432.50	78.75	19.190		
9,400.00	7,128.94	6,942.61	6,743.25	74.78	34.94	-60.03	-2,102.58	345.58	1,598.35	1,519.71	78.64	20.326		
9,500.00	7,129.18	6,934.90	6,735.79	77.26	34.92	-59.54	-2,102.69	343.61	1,687.46	1,608.89	78.57	21.478		
9,600.00	7,129.42	6,927.84	6,728.95	79.76	34.89	-59.09	-2,102.78	341.89	1,777.63	1,699.13	78.50	22.645		
9,700.00	7,129.66	6,921.37	6,722.66	82.29	34.87	-58.68	-2,102.85	340.38	1,868.71	1,790.27	78.44	23.824		
9,800.00	7,129.90	6,886.00	6,688.03	84.84	34.76	-56.49	-2,103.19	333.22	1,961.44	1,883.09	78.34	25.037		
9,900.00	7,130.14	6,886.00	6,688.03	87.41	34.76	-56.49	-2,103.19	333.22	2,053.73	1,975.42	78.30	26.228		
10,000.00	7,130.38	6,886.00	6,688.03	90.00	34.76	-56.49	-2,103.19	333.22	2,146.71	2,068.44	78.26	27.429		
10,100.00	7,130.62	6,886.00	6,688.03	92.60	34.76	-56.49	-2,103.19	333.22	2,240.29	2,162.07	78.22	28.639		
10,200.00	7,130.86	6,886.00	6,688.03	95.22	34.76	-56.49	-2,103.19	333.22	2,334.41	2,256.22	78.19	29.856		
10,300.00	7,131.09	6,886.00	6,688.03	97.85	34.76	-56.49	-2,103.19	333.22	2,429.00	2,350.85	78.15	31.080		
10,400.00	7,131.33	6,886.00	6,688.03	100.50	34.76	-56.49	-2,103.19	333.22	2,524.01	2,445.89	78.12	32.309		
10,500.00	7,131.57	6,886.00	6,688.03	103.16	34.76	-56.49	-2,103.19	333.22	2,619.38	2,541.29	78.09	33.543		
10,600.00	7,131.81	6,886.00	6,688.03	105.82	34.76	-56.49	-2,103.19	333.22	2,715.09	2,637.03	78.06	34.781		
10,700.00	7,132.05	6,886.00	6,688.03	108.50	34.76	-56.49	-2,103.19	333.22	2,811.10	2,733.07	78.04	36.023		
10,800.00	7,132.29	6,886.00	6,688.03	111.19	34.76	-56.49	-2,103.19	333.22	2,907.38	2,829.37	78.01	37.267		
10,900.00	7,132.53	6,886.00	6,688.03	113.88	34.76	-56.49	-2,103.19	333.22	3,003.90	2,925.91	77.99	38.514		
11,000.00	7,132.77	6,886.00	6,688.03	116.58	34.76	-56.49	-2,103.19	333.22	3,100.64	3,022.67	77.98	39.763		
11,100.00	7,133.01	6,852.80	6,655.26	119.29	34.65	-54.51	-2,103.20	327.86	3,197.00	3,119.04	77.96	41.007		
11,200.00	7,133.25	6,848.65	6,651.16	122.01	34.63	-54.27	-2,103.17	327.26	3,293.97	3,216.02	77.95	42.257		
11,300.00	7,133.49	6,844.70	6,647.25	124.73	34.62	-54.04	-2,103.13	326.70	3,391.10	3,313.16	77.94	43.508		
11,400.00	7,133.73	6,840.93	6,643.51	127.46	34.61	-53.82	-2,103.09	326.17	3,488.38	3,410.45	77.94	44.760		
11,500.00	7,133.97	6,837.33	6,639.95	130.19	34.59	-53.61	-2,103.04	325.69	3,585.80	3,507.87	77.93	46.012		
11,600.00	7,134.21	6,833.89	6,636.54	132.93	34.58	-53.41	-2,102.99	325.23	3,683.34	3,605.41	77.93	47.265		
11,700.00	7,134.45	6,830.61	6,633.29	135.68	34.57	-53.22	-2,102.94	324.80	3,780.99	3,703.07	77.93	48.518		
11,800.00	7,134.69	6,827.46	6,630.16	138.43	34.56	-53.04	-2,102.88	324.40	3,878.76	3,800.83	77.93	49.772		
11,900.00	7,134.93	6,792.00	6,594.94	141.18	34.44	-51.05	-2,101.96	320.47	3,977.17	3,899.25	77.92	51.039		
12,000.00	7,135.17	6,792.00	6,594.94	143.94	34.44	-51.05	-2,101.96	320.47	4,075.04	3,997.11	77.93	52.290		
12,100.00	7,135.41	6,792.00	6,594.94	146.70	34.44	-51.05	-2,101.96	320.47	4,173.01	4,095.07	77.94	53.541		
12,200.00	7,135.65	6,792.00	6,594.94	149.46	34.44	-51.05	-2,101.96	320.47	4,271.07	4,193.12	77.95	54.792		
12,300.00	7,135.89	6,792.00	6,594.94	152.23	34.44	-51.05	-2,101.96	320.47	4,369.22	4,291.26	77.96	56.042		
12,400.00	7,136.13	6,792.00	6,594.94	155.00	34.44	-51.05	-2,101.96	320.47	4,467.46	4,389.48	77.98	57.292		
12,500.00	7,136.37	6,792.00	6,594.94	157.78	34.44	-51.05	-2,101.96	320.47	4,565.77	4,487.78	77.99	58.541		
12,600.00	7,136.61	6,792.00	6,594.94	160.55	34.44	-51.05	-2,101.96	320.47	4,664.15	4,586.14	78.01	59.790		
12,700.00	7,136.85	6,792.00	6,594.94	163.33	34.44	-51.05	-2,101.96	320.47	4,762.60	4,684.57	78.03	61.037		
12,800.00	7,137.09	6,792.00	6,594.94	166.12	34.44	-51.05	-2,101.96	320.47	4,861.11	4,783.07	78.05	62.284		
12,900.00	7,137.33	6,792.00	6,594.94	168.90	34.44	-51.05	-2,101.96	320.47	4,959.69	4,881.62	78.07	63.530		
13,000.00	7,137.57	6,792.00	6,594.94	171.69	34.44	-51.05	-2,101.96	320.47	5,058.31	4,980.22	78.09	64.774		
13,100.00	7,137.81	6,792.00	6,594.94	174.48	34.44	-51.05	-2,101.96	320.47	5,157.00	5,078.88	78.12	66.017		
13,200.00	7,138.05	6,792.00	6,594.94	177.27	34.44	-51.05	-2,101.96	320.47	5,255.73	5,177.59	78.14	67.259		
13,300.00	7,138.29	6,792.00	6,594.94	180.07	34.44	-51.05	-2,101.96	320.47	5,354.51	5,276.34	78.17	68.500		
13,400.00	7,138.53	6,792.00	6,594.94	182.86	34.44	-51.05	-2,101.96	320.47	5,453.33	5,375.13	78.20	69.739		
13,500.00	7,138.77	6,792.00	6,594.94	185.66	34.44	-51.05	-2,101.96	320.47	5,552.19	5,473.97	78.23	70.977		
13,600.00	7,139.01	6,792.00	6,594.94	188.46	34.44	-51.05	-2,101.96	320.47	5,651.10	5,572.84	78.26	72.213		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	7,139.25	6,792.00	6,594.94	191.26	34.44	-51.05	-2,101.96	320.47	5,750.04	5,671.75	78.29	73.447		
13,800.00	7,139.49	6,792.00	6,594.94	194.06	34.44	-51.05	-2,101.96	320.47	5,849.02	5,770.70	78.32	74.680		
13,900.00	7,139.73	6,792.00	6,594.94	196.87	34.44	-51.05	-2,101.96	320.47	5,948.03	5,869.68	78.36	75.910		
14,000.00	7,139.97	6,792.00	6,594.94	199.68	34.44	-51.05	-2,101.96	320.47	6,047.08	5,968.69	78.39	77.139		
14,100.00	7,140.21	6,792.00	6,594.94	202.48	34.44	-51.05	-2,101.96	320.47	6,146.15	6,067.73	78.43	78.366		
14,200.00	7,140.45	6,792.00	6,594.94	205.29	34.44	-51.05	-2,101.96	320.47	6,245.26	6,166.79	78.47	79.591		
14,300.00	7,140.69	6,792.00	6,594.94	208.10	34.44	-51.05	-2,101.96	320.47	6,344.39	6,265.89	78.51	80.814		
14,400.00	7,140.93	6,792.00	6,594.94	210.91	34.44	-51.05	-2,101.96	320.47	6,443.55	6,365.01	78.55	82.035		
14,500.00	7,141.17	6,792.00	6,594.94	213.73	34.44	-51.05	-2,101.96	320.47	6,542.74	6,464.15	78.59	83.254		
14,600.00	7,141.41	6,792.00	6,594.94	216.54	34.44	-51.05	-2,101.96	320.47	6,641.95	6,563.32	78.63	84.471		
14,700.00	7,141.65	6,792.00	6,594.94	219.36	34.44	-51.05	-2,101.96	320.47	6,741.18	6,662.51	78.67	85.685		
14,800.00	7,141.89	6,792.00	6,594.94	222.17	34.44	-51.05	-2,101.96	320.47	6,840.44	6,761.72	78.72	86.898		
14,900.00	7,142.13	6,792.00	6,594.94	224.99	34.44	-51.05	-2,101.96	320.47	6,939.72	6,860.95	78.76	88.107		
15,000.00	7,142.36	6,792.00	6,594.94	227.81	34.44	-51.05	-2,101.96	320.47	7,039.02	6,960.21	78.81	89.315		
15,100.00	7,142.60	6,792.00	6,594.94	230.63	34.44	-51.05	-2,101.96	320.47	7,138.33	7,059.48	78.86	90.520		
15,200.00	7,142.84	6,792.00	6,594.94	233.45	34.44	-51.05	-2,101.96	320.47	7,237.67	7,158.76	78.91	91.723		
15,300.00	7,143.08	6,792.00	6,594.94	236.27	34.44	-51.05	-2,101.96	320.47	7,337.03	7,258.07	78.96	92.923		
15,400.00	7,143.32	6,792.00	6,594.94	239.09	34.44	-51.05	-2,101.96	320.47	7,436.40	7,357.39	79.01	94.121		
15,500.00	7,143.56	6,792.00	6,594.94	241.91	34.44	-51.05	-2,101.96	320.47	7,535.79	7,456.72	79.06	95.316		
15,600.00	7,143.80	6,792.00	6,594.94	244.73	34.44	-51.05	-2,101.96	320.47	7,635.19	7,556.08	79.11	96.509		
15,700.00	7,144.04	6,792.00	6,594.94	247.56	34.44	-51.05	-2,101.96	320.47	7,734.61	7,655.44	79.17	97.699		
15,800.00	7,144.28	6,792.00	6,594.94	250.38	34.44	-51.05	-2,101.96	320.47	7,834.04	7,754.82	79.22	98.886		
15,900.00	7,144.52	6,792.00	6,594.94	253.21	34.44	-51.05	-2,101.96	320.47	7,933.49	7,854.21	79.28	100.071		
16,000.00	7,144.76	6,792.00	6,594.94	256.03	34.44	-51.05	-2,101.96	320.47	8,032.95	7,953.62	79.34	101.253		
16,100.00	7,145.00	6,792.00	6,594.94	258.86	34.44	-51.05	-2,101.96	320.47	8,132.43	8,053.04	79.39	102.432		
16,200.00	7,145.24	6,792.00	6,594.94	261.69	34.44	-51.05	-2,101.96	320.47	8,231.92	8,152.47	79.45	103.609		
16,300.00	7,145.48	6,792.00	6,594.94	264.52	34.44	-51.05	-2,101.96	320.47	8,331.42	8,251.91	79.51	104.783		
16,400.00	7,145.72	6,792.00	6,594.94	267.35	34.44	-51.05	-2,101.96	320.47	8,430.93	8,351.36	79.57	105.954		
16,500.00	7,145.96	6,792.00	6,594.94	270.18	34.44	-51.05	-2,101.96	320.47	8,530.45	8,450.82	79.63	107.122		
16,600.00	7,146.20	6,792.00	6,594.94	273.01	34.44	-51.05	-2,101.96	320.47	8,629.99	8,550.29	79.70	108.287		
16,700.00	7,146.44	6,792.00	6,594.94	275.84	34.44	-51.05	-2,101.96	320.47	8,729.54	8,649.78	79.76	109.449		
16,800.00	7,146.68	6,792.00	6,594.94	278.67	34.44	-51.05	-2,101.96	320.47	8,829.09	8,749.27	79.82	110.609		
16,900.00	7,146.92	6,792.00	6,594.94	281.50	34.44	-51.05	-2,101.96	320.47	8,928.66	8,848.77	79.89	111.765		
17,000.00	7,147.16	6,792.00	6,594.94	284.33	34.44	-51.05	-2,101.96	320.47	9,028.23	8,948.28	79.95	112.919		
17,100.00	7,147.40	6,792.00	6,594.94	287.16	34.44	-51.05	-2,101.96	320.47	9,127.82	9,047.80	80.02	114.069		
17,200.00	7,147.64	6,792.00	6,594.94	290.00	34.44	-51.05	-2,101.96	320.47	9,227.41	9,147.32	80.09	115.217		
17,300.00	7,147.88	6,792.00	6,594.94	292.83	34.44	-51.05	-2,101.96	320.47	9,327.01	9,246.86	80.16	116.361		
17,400.00	7,148.12	6,792.00	6,594.94	295.66	34.44	-51.05	-2,101.96	320.47	9,426.62	9,346.40	80.22	117.503		
17,500.00	7,148.36	6,792.00	6,594.94	298.50	34.44	-51.05	-2,101.96	320.47	9,526.24	9,445.95	80.29	118.641		
17,600.00	7,148.60	6,792.00	6,594.94	301.33	34.44	-51.05	-2,101.96	320.47	9,625.87	9,545.50	80.37	119.776		
17,700.00	7,148.84	6,792.00	6,594.94	304.17	34.44	-51.05	-2,101.96	320.47	9,725.50	9,645.07	80.44	120.909		
17,800.00	7,149.08	6,792.00	6,594.94	307.00	34.44	-51.05	-2,101.96	320.47	9,825.14	9,744.63	80.51	122.038		
17,900.00	7,149.32	6,792.00	6,594.94	309.84	34.44	-51.05	-2,101.96	320.47	9,924.79	9,844.21	80.58	123.163		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	141.98	-647.74	506.43	822.29					
100.00	100.00	87.29	87.28	3.28	3.29	142.01	-648.11	506.09	822.31	815.73	6.57	125.150		
200.00	200.00	185.33	185.31	3.34	3.31	142.14	-649.44	504.91	822.63	815.99	6.64	123.829		
300.00	299.98	283.30	283.23	3.44	3.34	5.11	-651.73	502.87	821.47	814.69	6.78	121.132		
400.00	399.84	381.07	380.90	3.59	3.39	5.45	-654.96	500.00	817.09	810.11	6.98	117.010		
500.00	499.45	472.21	471.89	3.80	3.47	5.89	-659.06	496.48	809.70	802.43	7.27	111.407		
600.00	598.70	557.78	557.07	4.04	3.62	6.54	-665.72	491.90	800.62	792.96	7.66	104.518		
700.00	697.47	646.97	645.58	4.32	3.81	7.43	-674.88	485.84	789.45	781.31	8.13	97.051		
800.00	795.62	729.78	727.55	4.65	4.03	8.40	-685.11	480.13	776.71	768.05	8.66	89.648		
900.00	893.06	810.55	807.22	5.01	4.26	9.51	-697.16	474.46	762.92	753.67	9.25	82.509		
1,000.00	989.64	887.23	882.53	5.42	4.51	10.72	-710.63	469.35	748.54	738.67	9.87	75.843		
1,044.50	1,032.32	921.16	915.76	5.61	4.63	11.28	-717.19	467.38	742.06	731.89	10.16	73.029		
1,100.00	1,085.43	963.37	957.04	5.86	4.78	11.96	-725.78	465.36	734.47	723.94	10.53	69.753		
1,200.00	1,181.11	1,043.93	1,035.59	6.33	5.08	13.25	-743.41	462.67	723.23	711.99	11.23	64.390		
1,300.00	1,276.80	1,130.47	1,119.67	6.81	5.42	14.67	-763.78	460.46	714.37	702.41	11.97	59.701		
1,400.00	1,372.49	1,223.54	1,209.85	7.31	5.80	16.24	-786.67	458.41	707.22	694.46	12.76	55.443		
1,500.00	1,468.17	1,318.93	1,302.06	7.83	6.22	18.01	-810.87	455.00	700.89	687.31	13.58	51.608		
1,600.00	1,563.86	1,407.70	1,387.54	8.35	6.63	19.77	-834.48	450.95	696.10	681.69	14.40	48.325		
1,700.00	1,659.55	1,495.53	1,471.62	8.88	7.05	21.64	-859.40	446.20	693.55	678.31	15.24	45.502		
1,800.00	1,755.23	1,589.98	1,561.76	9.42	7.51	23.72	-887.03	440.52	692.65	676.53	16.13	42.949		
1,824.79	1,778.95	1,613.77	1,584.47	9.56	7.63	24.24	-894.01	439.13	692.62	676.27	16.35	42.359		
1,900.00	1,850.92	1,688.67	1,656.00	9.97	8.01	25.85	-915.83	435.23	692.87	675.82	17.05	40.643		
2,000.00	1,946.61	1,795.82	1,758.79	10.52	8.55	28.05	-945.75	430.51	693.02	675.00	18.02	38.449		
2,100.00	2,042.29	1,902.40	1,861.55	11.07	9.09	30.12	-973.75	426.81	692.60	673.59	19.01	36.436		
2,200.00	2,137.98	2,010.96	1,966.73	11.63	9.63	32.09	-1,000.52	424.59	691.61	671.60	20.01	34.569		
2,300.00	2,233.67	2,129.80	2,082.54	12.19	10.21	34.18	-1,027.08	422.62	689.06	668.00	21.06	32.725		
2,400.00	2,329.35	2,242.43	2,192.94	12.76	10.74	36.20	-1,049.28	420.19	684.48	662.40	22.07	31.009		
2,500.00	2,425.04	2,333.40	2,282.17	13.32	11.18	37.86	-1,066.85	418.13	680.16	657.15	23.01	29.561		
2,600.00	2,520.72	2,425.23	2,372.10	13.89	11.62	39.55	-1,085.29	416.02	677.30	653.34	23.96	28.271		
2,700.00	2,616.41	2,522.61	2,467.42	14.46	12.10	41.41	-1,105.05	413.17	675.36	650.42	24.94	27.075		
2,763.13	2,676.82	2,577.70	2,521.26	14.82	12.37	42.50	-1,116.56	411.17	674.92	649.38	25.54	26.426		
2,800.00	2,712.10	2,611.88	2,554.60	15.03	12.54	43.19	-1,123.93	409.83	675.05	649.15	25.90	26.064		
2,900.00	2,807.78	2,714.42	2,654.75	15.60	13.05	45.24	-1,145.59	405.74	675.56	648.62	26.94	25.076		
3,000.00	2,903.47	2,808.25	2,746.44	16.18	13.51	47.12	-1,165.08	401.93	676.55	648.61	27.94	24.215		
3,100.00	2,999.16	2,887.95	2,824.03	16.75	13.91	48.67	-1,183.12	399.10	680.13	651.28	28.85	23.576		
3,200.00	3,094.84	2,973.88	2,907.24	17.33	14.36	50.24	-1,204.44	396.72	686.50	656.70	29.80	23.040		
3,300.00	3,190.53	3,098.89	3,028.63	17.90	15.00	52.50	-1,234.02	393.30	692.42	661.37	31.05	22.301		
3,400.00	3,286.22	3,203.46	3,130.91	18.48	15.52	54.42	-1,255.61	390.34	696.06	663.91	32.15	21.653		
3,500.00	3,381.90	3,308.67	3,233.75	19.06	16.04	56.31	-1,277.63	387.55	700.72	667.47	33.25	21.074		
3,600.00	3,477.59	3,413.39	3,336.63	19.64	16.56	58.14	-1,297.04	385.85	703.37	669.02	34.35	20.476		
3,700.00	3,573.28	3,506.90	3,428.42	20.22	17.01	59.84	-1,314.70	383.12	707.45	672.06	35.39	19.989		
3,800.00	3,668.96	3,600.18	3,519.90	20.80	17.47	61.46	-1,332.83	381.09	712.51	676.07	36.43	19.556		
3,900.00	3,764.65	3,689.26	3,607.11	21.38	17.92	62.99	-1,350.85	378.72	719.11	681.66	37.45	19.203		
4,000.00	3,860.33	3,796.17	3,711.71	21.96	18.45	64.89	-1,372.53	374.56	726.93	688.33	38.60	18.831		
4,100.00	3,956.02	3,880.30	3,794.18	22.54	18.87	66.34	-1,388.87	371.66	734.50	694.92	39.58	18.555		
4,200.00	4,051.71	3,957.16	3,869.05	23.13	19.26	67.66	-1,405.83	367.86	745.61	705.13	40.48	18.418		
4,300.00	4,147.39	4,042.60	3,951.86	23.71	19.71	69.10	-1,426.22	362.66	759.47	718.02	41.45	18.321		
4,400.00	4,243.08	4,137.84	4,043.85	24.29	20.22	70.48	-1,450.52	358.60	774.48	731.96	42.53	18.212		
4,500.00	4,338.77	4,250.27	4,152.43	24.88	20.81	71.99	-1,479.39	354.52	789.86	746.08	43.79	18.039		
4,600.00	4,434.45	4,380.68	4,279.62	25.46	21.48	73.77	-1,507.97	351.37	801.65	756.46	45.19	17.741		
4,700.00	4,530.14	4,474.17	4,371.22	26.04	21.95	75.07	-1,526.59	349.10	812.30	766.05	46.25	17.565		
4,800.00	4,625.83	4,584.95	4,479.87	26.63	22.50	76.64	-1,547.91	345.89	823.14	775.69	47.45	17.349		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,721.51	4,673.05	4,566.34	27.21	22.93	77.86	-1,564.59	343.35	834.18	785.72	48.46	17.213		
5,000.00	4,817.20	4,756.05	4,647.58	27.80	23.35	78.96	-1,581.36	340.61	846.95	797.53	49.42	17.138		
5,100.00	4,912.89	4,873.99	4,762.99	28.38	23.94	80.45	-1,605.41	337.16	860.09	809.39	50.70	16.964		
5,200.00	5,008.57	4,961.20	4,848.39	28.97	24.38	81.49	-1,623.01	335.26	872.92	821.22	51.70	16.885		
5,300.00	5,104.26	5,038.80	4,924.11	29.55	24.78	82.36	-1,639.82	333.10	887.62	835.03	52.59	16.878		
5,400.00	5,199.94	5,131.28	5,014.10	30.14	25.26	83.38	-1,660.84	329.56	904.10	850.47	53.63	16.858		
5,500.00	5,295.63	5,267.01	5,146.70	30.72	25.94	84.90	-1,689.32	324.65	919.73	864.63	55.10	16.692		
5,600.00	5,391.32	5,409.05	5,287.16	31.31	26.61	86.70	-1,710.15	322.27	929.29	872.80	56.50	16.449		
5,700.00	5,487.00	5,533.31	5,410.79	31.90	27.16	88.56	-1,722.00	318.79	937.09	879.39	57.69	16.243		
5,800.00	5,582.69	5,649.60	5,526.82	32.48	27.64	90.39	-1,729.33	316.67	942.62	883.81	58.81	16.028		
5,900.00	5,678.38	5,752.36	5,629.45	33.07	28.06	92.08	-1,734.10	314.59	948.04	888.17	59.87	15.835		
6,000.00	5,774.06	5,873.95	5,750.99	33.65	28.55	94.12	-1,737.40	312.88	952.64	891.69	60.95	15.629		
6,100.00	5,869.75	5,972.32	5,849.34	34.24	28.93	95.73	-1,739.29	313.34	956.10	894.12	61.98	15.426		
6,200.00	5,965.44	6,073.83	5,950.80	34.83	29.33	97.31	-1,742.18	314.40	960.40	897.39	63.00	15.243		
6,300.00	6,061.12	6,167.18	6,044.12	35.41	29.70	98.78	-1,744.33	315.41	965.07	901.07	64.01	15.078		
6,400.00	6,156.81	6,265.28	6,142.18	36.00	30.08	100.30	-1,746.71	316.28	970.68	905.67	65.01	14.931		
6,500.00	6,252.50	6,357.47	6,234.35	36.59	30.45	101.74	-1,748.67	316.92	977.00	911.01	65.99	14.806		
6,600.00	6,348.18	6,459.37	6,336.24	37.18	30.85	103.35	-1,750.23	317.22	984.10	917.12	66.98	14.692		
6,636.04	6,382.67	7,823.24	7,217.28	37.39	37.16	79.24	-1,769.83	1,144.51	976.31	945.99	30.31	32.207		
6,650.00	6,396.05	7,826.28	7,217.32	37.47	37.21	73.05	-1,770.02	1,147.55	963.35	932.73	30.61	31.467		
6,700.00	6,444.38	7,834.68	7,217.43	37.74	37.33	46.90	-1,770.56	1,155.93	916.60	884.89	31.71	28.902		
6,750.00	6,493.07	7,839.09	7,217.48	37.98	37.39	15.64	-1,770.84	1,160.33	869.59	836.73	32.86	26.466		
6,800.00	6,541.82	7,839.45	7,217.49	38.18	37.40	-16.26	-1,770.86	1,160.69	822.65	788.59	34.05	24.158		
6,850.00	6,590.35	7,835.74	7,217.44	38.35	37.34	-43.51	-1,770.63	1,156.99	776.10	740.78	35.32	21.975		
6,900.00	6,638.34	7,827.96	7,217.34	38.50	37.23	-64.19	-1,770.13	1,149.23	730.28	693.62	36.67	19.917		
6,950.00	6,685.50	7,816.15	7,217.20	38.64	37.06	-79.17	-1,769.36	1,137.44	685.52	647.41	38.11	17.988		
7,000.00	6,731.54	7,800.34	7,217.03	38.77	36.83	-89.91	-1,768.27	1,121.67	642.13	602.47	39.66	16.192		
7,050.00	6,776.18	7,783.64	7,216.87	38.90	36.60	-97.93	-1,767.11	1,105.01	600.43	559.15	41.28	14.544		
7,100.00	6,819.14	7,765.40	7,216.65	39.03	36.37	-103.89	-1,766.06	1,086.81	560.87	517.85	43.02	13.038		
7,150.00	6,860.16	7,744.28	7,216.36	39.16	36.10	-108.14	-1,765.14	1,065.70	523.83	478.94	44.89	11.670		
7,200.00	6,898.98	7,720.39	7,215.96	39.31	35.79	-111.09	-1,764.48	1,041.83	489.71	442.82	46.89	10.444		
7,250.00	6,935.36	7,683.05	7,214.98	39.47	35.34	-112.03	-1,764.17	1,004.51	458.80	409.54	49.26	9.313		
7,300.00	6,969.08	7,608.93	7,206.15	39.65	34.56	-108.57	-1,763.21	930.98	428.97	375.80	53.16	8.069		
7,350.00	6,999.94	7,559.86	7,195.23	39.85	34.17	-106.65	-1,762.07	883.17	400.44	343.76	56.68	7.065		
7,400.00	7,027.74	7,514.78	7,182.43	40.08	33.92	-104.46	-1,760.76	839.96	374.47	314.37	60.11	6.230		
7,450.00	7,052.31	7,474.53	7,168.54	40.34	33.79	-102.15	-1,759.60	802.22	351.66	288.35	63.31	5.554		
7,500.00	7,073.49	7,437.18	7,153.24	40.63	33.70	-99.47	-1,758.90	768.16	332.79	266.57	66.22	5.025		
7,550.00	7,091.17	7,401.31	7,136.43	40.95	33.62	-96.31	-1,758.55	736.48	318.50	249.76	68.74	4.633		
7,600.00	7,105.22	7,366.42	7,118.13	41.31	33.55	-92.66	-1,758.41	706.78	309.19	238.44	70.74	4.371		
7,650.00	7,115.57	7,333.22	7,099.00	41.71	33.48	-88.67	-1,758.43	679.66	305.15	233.08	72.07	4.234		
7,662.24	7,117.53	7,325.90	7,094.56	41.82	33.47	-87.72	-1,758.45	673.83	304.97	232.70	72.27	4.220 CC, ES		
7,700.00	7,122.15	7,299.36	7,077.87	42.15	33.41	-84.11	-1,758.53	653.20	306.34	233.52	72.83	4.206 SF		
7,750.00	7,124.91	7,265.21	7,055.16	42.62	33.33	-79.17	-1,758.44	627.70	312.17	239.10	73.07	4.272		
7,759.54	7,125.00	7,258.81	7,050.75	42.72	33.32	-78.21	-1,758.40	623.06	313.77	240.70	73.07	4.294		
7,800.00	7,125.10	7,232.80	7,032.37	43.13	33.26	-74.89	-1,758.15	604.67	322.12	249.19	72.93	4.417		
7,900.00	7,125.34	7,173.38	6,988.22	44.28	33.11	-67.30	-1,757.22	564.92	353.64	281.63	72.01	4.911		
8,000.00	7,125.58	7,120.95	6,947.47	45.61	32.98	-60.89	-1,756.17	531.95	398.89	328.03	70.85	5.630		
8,100.00	7,125.82	7,076.08	6,911.25	47.10	32.86	-55.75	-1,755.11	505.51	455.26	385.30	69.96	6.507		
8,200.00	7,126.06	7,034.00	6,876.15	48.72	32.74	-51.25	-1,753.99	482.33	520.24	450.92	69.32	7.505		
8,300.00	7,126.30	6,992.59	6,840.92	50.48	32.62	-47.20	-1,752.80	460.58	591.28	522.41	68.87	8.586		
8,400.00	7,126.54	6,950.15	6,804.48	52.34	32.50	-43.47	-1,751.50	438.87	666.40	597.88	68.52	9.726		
8,500.00	7,126.78	6,920.44	6,778.69	54.30	32.41	-41.08	-1,750.60	424.16	744.84	676.28	68.57	10.863		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,127.02	6,897.34	6,758.27	56.35	32.34	-39.35	-1,750.05	413.36	826.50	757.74	68.76	12.021		
8,700.00	7,127.26	6,876.64	6,739.72	58.47	32.28	-37.88	-1,749.67	404.21	910.73	841.77	68.96	13.207		
8,800.00	7,127.50	6,846.00	6,711.81	60.66	32.19	-35.86	-1,749.33	391.56	997.20	928.22	68.98	14.456		
8,900.00	7,127.74	6,846.00	6,711.81	62.90	32.19	-35.86	-1,749.33	391.56	1,085.05	1,015.65	69.41	15.633		
9,000.00	7,127.98	6,821.34	6,689.05	65.19	32.11	-34.36	-1,749.24	382.07	1,174.31	1,104.84	69.47	16.903		
9,100.00	7,128.22	6,803.95	6,672.88	67.53	32.05	-33.37	-1,749.27	375.66	1,264.67	1,195.07	69.61	18.169		
9,200.00	7,128.46	6,787.81	6,657.80	69.92	32.00	-32.49	-1,749.37	369.94	1,355.95	1,286.21	69.73	19.444		
9,300.00	7,128.70	6,752.00	6,624.04	72.33	31.89	-30.70	-1,749.85	358.00	1,448.34	1,378.65	69.70	20.780		
9,400.00	7,128.94	6,752.00	6,624.04	74.78	31.89	-30.70	-1,749.85	358.00	1,540.77	1,470.84	69.92	22.035		
9,500.00	7,129.18	6,752.00	6,624.04	77.26	31.89	-30.70	-1,749.85	358.00	1,634.08	1,563.97	70.11	23.309		
9,600.00	7,129.42	6,752.00	6,624.04	79.76	31.89	-30.70	-1,749.85	358.00	1,728.14	1,657.88	70.26	24.597		
9,700.00	7,129.66	6,721.38	6,594.89	82.29	31.78	-29.30	-1,750.34	348.64	1,822.17	1,751.92	70.26	25.936		
9,800.00	7,129.90	6,710.44	6,584.42	84.84	31.75	-28.82	-1,750.48	345.49	1,916.87	1,846.53	70.34	27.252		
9,900.00	7,130.14	6,700.19	6,574.57	87.41	31.71	-28.39	-1,750.59	342.63	2,011.94	1,941.52	70.42	28.572		
10,000.00	7,130.38	6,690.56	6,565.30	90.00	31.68	-27.99	-1,750.68	340.03	2,107.33	2,036.84	70.49	29.895		
10,100.00	7,130.62	6,657.00	6,532.82	92.60	31.57	-26.65	-1,750.89	331.58	2,203.41	2,132.93	70.49	31.260		
10,200.00	7,130.86	6,657.00	6,532.82	95.22	31.57	-26.65	-1,750.89	331.58	2,299.14	2,228.56	70.58	32.574		
10,300.00	7,131.09	6,657.00	6,532.82	97.85	31.57	-26.65	-1,750.89	331.58	2,395.22	2,324.55	70.67	33.894		
10,400.00	7,131.33	6,657.00	6,532.82	100.50	31.57	-26.65	-1,750.89	331.58	2,491.60	2,420.86	70.74	35.220		
10,500.00	7,131.57	6,657.00	6,532.82	103.16	31.57	-26.65	-1,750.89	331.58	2,588.26	2,517.45	70.81	36.550		
10,600.00	7,131.81	6,657.00	6,532.82	105.82	31.57	-26.65	-1,750.89	331.58	2,685.16	2,614.29	70.88	37.885		
10,700.00	7,132.05	6,657.00	6,532.82	108.50	31.57	-26.65	-1,750.89	331.58	2,782.29	2,711.35	70.93	39.223		
10,800.00	7,132.29	6,657.00	6,532.82	111.19	31.57	-26.65	-1,750.89	331.58	2,879.61	2,808.62	70.99	40.564		
10,900.00	7,132.53	6,657.00	6,532.82	113.88	31.57	-26.65	-1,750.89	331.58	2,977.10	2,906.06	71.04	41.908		
11,000.00	7,132.77	6,657.00	6,532.82	116.58	31.57	-26.65	-1,750.89	331.58	3,074.76	3,003.67	71.09	43.253		
11,100.00	7,133.01	6,657.00	6,532.82	119.29	31.57	-26.65	-1,750.89	331.58	3,172.57	3,101.43	71.13	44.600		
11,200.00	7,133.25	6,657.00	6,532.82	122.01	31.57	-26.65	-1,750.89	331.58	3,270.50	3,199.33	71.18	45.949		
11,300.00	7,133.49	6,657.00	6,532.82	124.73	31.57	-26.65	-1,750.89	331.58	3,368.56	3,297.34	71.22	47.298		
11,400.00	7,133.73	6,657.00	6,532.82	127.46	31.57	-26.65	-1,750.89	331.58	3,466.73	3,395.47	71.26	48.648		
11,500.00	7,133.97	6,657.00	6,532.82	130.19	31.57	-26.65	-1,750.89	331.58	3,565.00	3,493.70	71.30	49.998		
11,600.00	7,134.21	6,657.00	6,532.82	132.93	31.57	-26.65	-1,750.89	331.58	3,663.37	3,592.02	71.34	51.349		
11,700.00	7,134.45	6,657.00	6,532.82	135.68	31.57	-26.65	-1,750.89	331.58	3,761.82	3,690.43	71.38	52.700		
11,800.00	7,134.69	6,657.00	6,532.82	138.43	31.57	-26.65	-1,750.89	331.58	3,860.35	3,788.93	71.42	54.050		
11,900.00	7,134.93	6,657.00	6,532.82	141.18	31.57	-26.65	-1,750.89	331.58	3,958.95	3,887.49	71.46	55.400		
12,000.00	7,135.17	6,657.00	6,532.82	143.94	31.57	-26.65	-1,750.89	331.58	4,057.62	3,986.12	71.50	56.749		
12,100.00	7,135.41	6,657.00	6,532.82	146.70	31.57	-26.65	-1,750.89	331.58	4,156.36	4,084.82	71.54	58.098		
12,200.00	7,135.65	6,657.00	6,532.82	149.46	31.57	-26.65	-1,750.89	331.58	4,255.15	4,183.57	71.58	59.445		
12,300.00	7,135.89	6,615.14	6,491.76	152.23	31.42	-25.12	-1,750.98	323.56	4,351.86	4,280.24	71.62	60.760		
12,400.00	7,136.13	6,613.82	6,490.45	155.00	31.42	-25.07	-1,750.98	323.37	4,450.63	4,378.96	71.67	62.102		
12,500.00	7,136.37	6,612.56	6,489.20	157.78	31.41	-25.03	-1,750.98	323.19	4,549.45	4,477.74	71.71	63.443		
12,600.00	7,136.61	6,611.34	6,487.99	160.55	31.41	-24.99	-1,750.98	323.02	4,648.32	4,576.56	71.75	64.783		
12,700.00	7,136.85	6,610.17	6,486.83	163.33	31.40	-24.95	-1,750.98	322.86	4,747.22	4,675.43	71.80	66.122		
12,800.00	7,137.09	6,609.04	6,485.71	166.12	31.40	-24.91	-1,750.98	322.71	4,846.18	4,774.34	71.84	67.459		
12,900.00	7,137.33	6,607.96	6,484.64	168.90	31.40	-24.87	-1,750.98	322.57	4,945.17	4,873.28	71.88	68.794		
13,000.00	7,137.57	6,606.91	6,483.60	171.69	31.39	-24.83	-1,750.98	322.43	5,044.19	4,972.27	71.93	70.128		
13,100.00	7,137.81	6,605.90	6,482.60	174.48	31.39	-24.80	-1,750.98	322.30	5,143.26	5,071.28	71.97	71.459		
13,200.00	7,138.05	6,563.00	6,439.85	177.27	31.24	-23.40	-1,750.94	318.96	5,244.47	5,172.44	72.03	72.808		
13,300.00	7,138.29	6,563.00	6,439.85	180.07	31.24	-23.40	-1,750.94	318.96	5,343.50	5,271.42	72.08	74.134		
13,400.00	7,138.53	6,563.00	6,439.85	182.86	31.24	-23.40	-1,750.94	318.96	5,442.57	5,370.44	72.13	75.459		
13,500.00	7,138.77	6,563.00	6,439.85	185.66	31.24	-23.40	-1,750.94	318.96	5,541.67	5,469.49	72.18	76.781		
13,600.00	7,139.01	6,563.00	6,439.85	188.46	31.24	-23.40	-1,750.94	318.96	5,640.80	5,568.57	72.22	78.101		
13,700.00	7,139.25	6,563.00	6,439.85	191.26	31.24	-23.40	-1,750.94	318.96	5,739.96	5,667.69	72.27	79.419		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,139.49	6,563.00	6,439.85	194.06	31.24	-23.40	-1,750.94	318.96	5,839.15	5,766.83	72.32	80.735		
13,900.00	7,139.73	6,563.00	6,439.85	196.87	31.24	-23.40	-1,750.94	318.96	5,938.37	5,865.99	72.38	82.049		
14,000.00	7,139.97	6,563.00	6,439.85	199.68	31.24	-23.40	-1,750.94	318.96	6,037.61	5,965.18	72.43	83.361		
14,100.00	7,140.21	6,563.00	6,439.85	202.48	31.24	-23.40	-1,750.94	318.96	6,136.88	6,064.40	72.48	84.670		
14,200.00	7,140.45	6,563.00	6,439.85	205.29	31.24	-23.40	-1,750.94	318.96	6,236.17	6,163.64	72.53	85.976		
14,300.00	7,140.69	6,563.00	6,439.85	208.10	31.24	-23.40	-1,750.94	318.96	6,335.48	6,262.90	72.59	87.281		
14,400.00	7,140.93	6,563.00	6,439.85	210.91	31.24	-23.40	-1,750.94	318.96	6,434.82	6,362.18	72.64	88.582		
14,500.00	7,141.17	6,563.00	6,439.85	213.73	31.24	-23.40	-1,750.94	318.96	6,534.17	6,461.48	72.70	89.881		
14,600.00	7,141.41	6,563.00	6,439.85	216.54	31.24	-23.40	-1,750.94	318.96	6,633.55	6,560.79	72.75	91.178		
14,700.00	7,141.65	6,563.00	6,439.85	219.36	31.24	-23.40	-1,750.94	318.96	6,732.94	6,660.13	72.81	92.471		
14,800.00	7,141.89	6,563.00	6,439.85	222.17	31.24	-23.40	-1,750.94	318.96	6,832.35	6,759.48	72.87	93.762		
14,900.00	7,142.13	6,563.00	6,439.85	224.99	31.24	-23.40	-1,750.94	318.96	6,931.78	6,858.85	72.93	95.050		
15,000.00	7,142.36	6,563.00	6,439.85	227.81	31.24	-23.40	-1,750.94	318.96	7,031.22	6,958.24	72.99	96.336		
15,100.00	7,142.60	6,563.00	6,439.85	230.63	31.24	-23.40	-1,750.94	318.96	7,130.68	7,057.64	73.05	97.618		
15,200.00	7,142.84	6,563.00	6,439.85	233.45	31.24	-23.40	-1,750.94	318.96	7,230.16	7,157.05	73.11	98.897		
15,300.00	7,143.08	6,563.00	6,439.85	236.27	31.24	-23.40	-1,750.94	318.96	7,329.65	7,256.48	73.17	100.174		
15,400.00	7,143.32	6,563.00	6,439.85	239.09	31.24	-23.40	-1,750.94	318.96	7,429.15	7,355.92	73.23	101.447		
15,500.00	7,143.56	6,563.00	6,439.85	241.91	31.24	-23.40	-1,750.94	318.96	7,528.67	7,455.37	73.29	102.717		
15,600.00	7,143.80	6,563.00	6,439.85	244.73	31.24	-23.40	-1,750.94	318.96	7,628.19	7,554.83	73.36	103.985		
15,700.00	7,144.04	6,563.00	6,439.85	247.56	31.24	-23.40	-1,750.94	318.96	7,727.73	7,654.31	73.42	105.249		
15,800.00	7,144.28	6,563.00	6,439.85	250.38	31.24	-23.40	-1,750.94	318.96	7,827.29	7,753.80	73.49	106.509		
15,900.00	7,144.52	6,563.00	6,439.85	253.21	31.24	-23.40	-1,750.94	318.96	7,926.85	7,853.29	73.56	107.767		
16,000.00	7,144.76	6,563.00	6,439.85	256.03	31.24	-23.40	-1,750.94	318.96	8,026.42	7,952.80	73.62	109.022		
16,100.00	7,145.00	6,563.00	6,439.85	258.86	31.24	-23.40	-1,750.94	318.96	8,126.01	8,052.32	73.69	110.273		
16,200.00	7,145.24	6,563.00	6,439.85	261.69	31.24	-23.40	-1,750.94	318.96	8,225.60	8,151.84	73.76	111.520		
16,300.00	7,145.48	6,563.00	6,439.85	264.52	31.24	-23.40	-1,750.94	318.96	8,325.21	8,251.38	73.83	112.765		
16,400.00	7,145.72	6,563.00	6,439.85	267.35	31.24	-23.40	-1,750.94	318.96	8,424.82	8,350.92	73.90	114.006		
16,500.00	7,145.96	6,563.00	6,439.85	270.18	31.24	-23.40	-1,750.94	318.96	8,524.45	8,450.48	73.97	115.244		
16,600.00	7,146.20	6,563.00	6,439.85	273.01	31.24	-23.40	-1,750.94	318.96	8,624.08	8,550.04	74.04	116.478		
16,700.00	7,146.44	6,563.00	6,439.85	275.84	31.24	-23.40	-1,750.94	318.96	8,723.72	8,649.60	74.11	117.709		
16,800.00	7,146.68	6,563.00	6,439.85	278.67	31.24	-23.40	-1,750.94	318.96	8,823.37	8,749.18	74.19	118.936		
16,900.00	7,146.92	6,563.00	6,439.85	281.50	31.24	-23.40	-1,750.94	318.96	8,923.02	8,848.76	74.26	120.160		
17,000.00	7,147.16	6,563.00	6,439.85	284.33	31.24	-23.40	-1,750.94	318.96	9,022.69	8,948.35	74.33	121.380		
17,100.00	7,147.40	6,563.00	6,439.85	287.16	31.24	-23.40	-1,750.94	318.96	9,122.36	9,047.95	74.41	122.597		
17,200.00	7,147.64	6,563.00	6,439.85	290.00	31.24	-23.40	-1,750.94	318.96	9,222.03	9,147.55	74.49	123.810		
17,300.00	7,147.88	6,563.00	6,439.85	292.83	31.24	-23.40	-1,750.94	318.96	9,321.72	9,247.16	74.56	125.019		
17,400.00	7,148.12	6,563.00	6,439.85	295.66	31.24	-23.40	-1,750.94	318.96	9,421.41	9,346.77	74.64	126.225		
17,500.00	7,148.36	6,563.00	6,439.85	298.50	31.24	-23.40	-1,750.94	318.96	9,521.11	9,446.39	74.72	127.427		
17,600.00	7,148.60	6,563.00	6,439.85	301.33	31.24	-23.40	-1,750.94	318.96	9,620.81	9,546.02	74.80	128.626		
17,700.00	7,148.84	6,563.00	6,439.85	304.17	31.24	-23.40	-1,750.94	318.96	9,720.52	9,645.65	74.88	129.820		
17,800.00	7,149.08	6,563.00	6,439.85	307.00	31.24	-23.40	-1,750.94	318.96	9,820.24	9,745.28	74.96	131.012		
17,900.00	7,149.32	6,563.00	6,439.85	309.84	31.24	-23.40	-1,750.94	318.96	9,919.96	9,844.93	75.04	132.199		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	141.10	-627.70	506.43	806.60					
100.00	100.00	90.26	90.26	3.28	3.29	141.08	-627.46	506.62	806.45	799.88	6.57	122.735		
200.00	200.00	191.67	191.67	3.34	3.31	141.01	-626.61	507.27	806.21	799.56	6.64	121.345		
300.00	299.98	289.48	289.46	3.44	3.36	3.65	-625.30	508.38	804.15	797.35	6.80	118.263		
400.00	399.84	382.59	382.55	3.59	3.47	3.54	-624.35	510.09	799.29	792.22	7.06	113.156		
500.00	499.45	476.83	476.76	3.80	3.62	3.44	-623.94	512.34	791.76	784.34	7.42	106.718		
600.00	598.70	571.73	571.64	4.04	3.82	3.46	-624.88	513.80	781.32	773.47	7.85	99.500		
700.00	697.47	663.30	663.17	4.32	4.03	3.64	-627.39	514.29	768.15	759.81	8.34	92.067		
800.00	795.62	749.92	749.66	4.65	4.25	4.00	-632.07	513.65	752.81	743.92	8.88	84.772		
900.00	893.06	834.19	833.57	5.01	4.49	4.62	-639.60	511.85	735.94	726.47	9.46	77.782		
1,000.00	989.64	919.75	918.38	5.42	4.75	5.56	-650.29	508.28	717.36	707.27	10.09	71.084		
1,044.50	1,032.32	954.69	952.86	5.61	4.87	6.04	-655.63	506.40	708.73	698.35	10.38	68.269		
1,100.00	1,085.43	999.00	996.42	5.86	5.01	6.71	-663.29	503.76	698.35	687.61	10.75	64.980		
1,200.00	1,181.11	1,091.83	1,087.39	6.33	5.34	8.28	-680.74	497.71	680.96	669.49	11.47	59.379		
1,300.00	1,276.80	1,182.59	1,176.27	6.81	5.68	9.87	-698.25	492.15	664.76	652.54	12.22	54.416		
1,400.00	1,372.49	1,271.11	1,262.87	7.31	6.03	11.47	-716.00	487.40	650.18	637.20	12.99	50.067		
1,500.00	1,468.17	1,361.90	1,351.39	7.83	6.41	13.25	-735.49	482.32	637.39	623.60	13.79	46.231		
1,600.00	1,563.86	1,458.46	1,445.33	8.35	6.82	15.29	-757.04	476.45	625.88	611.25	14.63	42.781		
1,700.00	1,659.55	1,553.93	1,538.09	8.88	7.24	17.44	-778.67	469.93	615.24	599.75	15.49	39.719		
1,800.00	1,755.23	1,647.75	1,629.18	9.42	7.67	19.63	-800.22	463.62	605.89	589.53	16.36	37.036		
1,900.00	1,850.92	1,743.29	1,722.12	9.97	8.11	21.75	-821.84	458.93	597.82	580.57	17.25	34.659		
2,000.00	1,946.61	1,839.47	1,815.76	10.52	8.56	23.85	-843.48	455.10	590.80	572.65	18.15	32.546		
2,100.00	2,042.29	1,942.76	1,916.51	11.07	9.04	26.04	-866.02	452.06	584.27	565.17	19.10	30.590		
2,200.00	2,137.98	2,045.03	2,016.34	11.63	9.53	28.40	-887.68	447.35	577.56	557.50	20.06	28.795		
2,300.00	2,233.67	2,146.58	2,115.50	12.19	10.01	30.91	-908.76	441.32	571.16	550.13	21.03	27.162		
2,400.00	2,329.35	2,253.81	2,220.59	12.76	10.52	33.52	-929.24	435.69	564.29	542.26	22.03	25.612		
2,500.00	2,425.04	2,353.42	2,318.49	13.32	10.98	35.96	-946.98	430.78	557.23	534.22	23.01	24.214		
2,600.00	2,520.72	2,454.76	2,418.11	13.89	11.46	38.47	-964.95	425.99	551.16	527.15	24.01	22.953		
2,700.00	2,616.41	2,551.46	2,513.43	14.46	11.91	40.87	-980.67	421.88	544.67	519.67	25.00	21.786		
2,800.00	2,712.10	2,646.87	2,607.25	15.03	12.36	43.25	-997.59	418.04	540.66	514.66	26.00	20.797		
2,900.00	2,807.78	2,741.36	2,700.33	15.60	12.81	45.62	-1,013.53	414.51	536.84	509.84	27.00	19.885		
3,000.00	2,903.47	2,832.88	2,790.12	16.18	13.25	48.05	-1,030.58	409.87	535.90	507.90	27.99	19.143		
3,080.23	2,980.24	2,913.84	2,869.62	16.64	13.64	50.20	-1,045.36	405.87	535.68	506.83	28.85	18.569		
3,100.00	2,999.16	2,933.04	2,888.48	16.75	13.73	50.71	-1,048.82	404.93	535.70	506.65	29.05	18.438		
3,200.00	3,094.84	3,042.83	2,996.47	17.33	14.26	53.61	-1,067.89	399.77	535.85	505.67	30.18	17.755		
3,267.28	3,159.22	3,106.84	3,059.67	17.71	14.56	55.29	-1,077.71	397.18	535.15	504.27	30.88	17.328		
3,300.00	3,190.53	3,133.29	3,085.74	17.90	14.69	55.98	-1,082.07	396.06	535.37	504.17	31.20	17.161		
3,400.00	3,286.22	3,219.29	3,170.20	18.48	15.10	58.16	-1,097.81	392.49	538.42	506.24	32.18	16.732		
3,500.00	3,381.90	3,326.83	3,275.69	19.06	15.62	60.70	-1,118.47	389.35	543.05	509.72	33.33	16.295		
3,600.00	3,477.59	3,425.87	3,373.24	19.64	16.10	63.05	-1,135.36	386.79	546.40	511.99	34.41	15.878		
3,700.00	3,573.28	3,518.80	3,464.69	20.22	16.55	65.25	-1,151.71	383.92	551.37	515.91	35.46	15.551		
3,800.00	3,668.96	3,612.50	3,556.75	20.80	17.00	67.42	-1,168.80	380.76	557.95	521.44	36.51	15.283		
3,900.00	3,764.65	3,710.97	3,653.49	21.38	17.48	69.68	-1,186.83	376.97	565.69	528.09	37.60	15.044		
4,000.00	3,860.33	3,805.19	3,746.08	21.96	17.94	71.86	-1,203.74	372.78	574.31	535.65	38.66	14.855		
4,100.00	3,956.02	3,886.38	3,825.62	22.54	18.34	73.62	-1,219.58	369.04	585.25	545.67	39.58	14.788		
4,200.00	4,051.71	3,971.00	3,907.96	23.13	18.77	75.31	-1,238.57	364.59	599.64	559.14	40.51	14.804		
4,300.00	4,147.39	4,065.29	3,999.39	23.71	19.26	77.05	-1,261.06	359.60	615.88	574.33	41.55	14.822		
4,400.00	4,243.08	4,165.17	4,096.43	24.29	19.77	78.91	-1,283.87	353.32	632.52	589.84	42.68	14.821		
4,500.00	4,338.77	4,281.62	4,210.07	24.88	20.36	81.11	-1,308.16	345.89	648.39	604.39	44.00	14.736		
4,600.00	4,434.45	4,393.71	4,320.30	25.46	20.91	83.35	-1,327.21	338.97	661.86	616.63	45.23	14.632		
4,700.00	4,530.14	4,492.83	4,417.99	26.04	21.39	85.25	-1,343.19	333.71	674.89	628.57	46.32	14.569		
4,800.00	4,625.83	4,587.22	4,510.89	26.63	21.84	86.87	-1,359.39	329.62	688.64	641.28	47.36	14.540		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,721.51	4,686.55	4,608.61	27.21	22.33	88.47	-1,376.76	325.82	702.82	654.37	48.45	14.507		
5,000.00	4,817.20	4,781.79	4,702.46	27.80	22.79	90.09	-1,392.17	320.81	717.72	668.23	49.49	14.504		
5,100.00	4,912.89	4,892.09	4,811.49	28.38	23.31	92.05	-1,407.69	314.76	732.05	681.39	50.66	14.449		
5,200.00	5,008.57	4,996.26	4,914.74	28.97	23.79	93.97	-1,420.10	308.63	746.12	694.35	51.77	14.413		
5,300.00	5,104.26	5,103.32	5,021.08	29.55	24.27	95.92	-1,431.25	303.41	759.22	706.35	52.88	14.358		
5,400.00	5,199.94	5,208.57	5,125.77	30.14	24.74	97.82	-1,441.00	298.60	772.21	718.26	53.95	14.312		
5,500.00	5,295.63	5,336.44	5,253.33	30.72	25.28	100.35	-1,447.71	293.26	783.66	728.52	55.14	14.212		
5,600.00	5,391.32	5,445.57	5,362.40	31.31	25.71	102.66	-1,448.88	290.00	792.96	736.80	56.16	14.120		
5,700.00	5,487.00	5,542.67	5,459.47	31.90	26.08	104.69	-1,449.34	287.67	802.53	745.43	57.10	14.055		
5,800.00	5,582.69	5,641.73	5,558.51	32.48	26.46	106.73	-1,449.15	285.73	812.47	754.43	58.04	14.000		
5,900.00	5,678.38	5,736.22	5,652.98	33.07	26.82	108.66	-1,448.81	283.56	823.65	764.72	58.93	13.976		
6,000.00	5,774.06	5,849.23	5,765.97	33.65	27.23	110.94	-1,447.21	282.10	834.57	774.68	59.89	13.935		
6,100.00	5,869.75	5,951.48	5,868.20	34.24	27.60	112.89	-1,445.94	282.71	844.82	784.04	60.78	13.899		
6,200.00	5,965.44	6,044.00	5,960.72	34.83	27.93	114.60	-1,445.05	283.36	855.97	794.34	61.63	13.889		
6,300.00	6,061.12	6,133.83	6,050.54	35.41	28.26	116.24	-1,444.18	283.51	868.46	806.01	62.45	13.907		
6,400.00	6,156.81	6,227.65	6,144.35	36.00	28.60	117.93	-1,442.92	282.95	882.38	819.11	63.27	13.946		
6,500.00	6,252.50	7,698.00	7,062.61	36.59	36.93	133.91	-1,429.12	1,125.82	840.13	821.69	18.43	45.575		
6,600.00	6,348.18	7,715.78	7,063.33	37.18	37.22	133.89	-1,430.10	1,143.55	743.19	724.13	19.06	38.997		
6,636.04	6,382.67	7,727.37	7,063.76	37.39	37.41	133.89	-1,430.67	1,155.13	708.23	689.13	19.10	37.087		
6,650.00	6,396.05	7,731.57	7,063.91	37.47	37.48	130.91	-1,430.87	1,159.32	694.64	675.53	19.11	36.343		
6,700.00	6,444.38	7,743.06	7,064.28	37.74	37.66	118.29	-1,431.37	1,170.79	645.45	626.29	19.17	33.675		
6,750.00	6,493.07	7,749.20	7,064.47	37.98	37.76	107.46	-1,431.62	1,176.93	595.70	576.49	19.21	31.012		
6,800.00	6,541.82	7,750.29	7,064.50	38.18	37.78	-137.43	-1,431.66	1,178.01	545.73	526.49	19.23	28.374		
6,850.00	6,590.35	7,746.62	7,064.39	38.35	37.72	-130.82	-1,431.52	1,174.35	495.84	476.60	19.24	25.767		
6,900.00	6,638.34	7,738.51	7,064.14	38.50	37.59	-139.93	-1,431.18	1,166.25	446.33	427.09	19.24	23.199		
6,950.00	6,685.50	7,726.27	7,063.72	38.64	37.39	-147.54	-1,430.62	1,154.02	397.49	378.26	19.22	20.676		
7,000.00	6,731.54	7,710.18	7,063.11	38.77	37.13	-153.41	-1,429.80	1,137.97	349.56	330.36	19.20	18.207		
7,050.00	6,776.18	7,692.60	7,062.38	38.90	36.86	-157.94	-1,428.81	1,120.43	302.82	283.88	18.94	15.988		
7,100.00	6,819.14	7,674.96	7,061.81	39.03	36.60	-161.49	-1,427.84	1,102.83	257.84	239.64	18.19	14.173		
7,150.00	6,860.16	7,653.32	7,061.45	39.16	36.28	-164.66	-1,426.74	1,081.22	215.13	197.77	17.36	12.393		
7,200.00	6,898.98	7,627.55	7,061.48	39.31	35.91	-167.77	-1,425.54	1,055.48	175.22	158.65	16.57	10.574		
7,250.00	6,935.36	7,596.45	7,062.18	39.47	35.47	-171.27	-1,424.28	1,024.42	138.63	122.31	16.32	8.493		
7,300.00	6,969.08	7,557.20	7,062.69	39.65	34.97	-176.08	-1,423.04	985.18	104.75	86.90	17.85	5.868		
7,350.00	6,999.94	7,517.32	7,062.12	39.85	34.45	177.32	-1,422.24	945.32	73.23	51.92	21.31	3.436		
7,400.00	7,027.74	7,474.07	7,059.93	40.08	33.97	164.44	-1,421.91	902.14	44.37	12.91	31.46	1.410 Level 3		
7,450.00	7,052.31	7,432.00	7,055.21	40.34	33.52	128.58	-1,422.21	860.34	20.69	-40.26	60.95	0.339 Level 1		
7,469.81	7,061.11	7,415.63	7,052.68	40.45	33.34	99.49	-1,422.48	844.17	17.24	-54.66	71.89	0.240 Level 1, CC, ES, SF		
7,500.00	7,073.49	7,390.99	7,048.13	40.63	33.12	58.90	-1,423.10	819.97	24.30	-28.46	52.76	0.461 Level 1		
7,550.00	7,091.17	7,351.15	7,038.81	40.95	32.76	31.13	-1,424.66	781.27	48.10	14.14	33.96	1.416 Level 3		
7,600.00	7,105.22	7,312.24	7,027.41	41.31	32.45	20.62	-1,426.84	744.14	73.94	42.53	31.41	2.354		
7,650.00	7,115.57	7,272.87	7,014.14	41.71	32.20	15.07	-1,429.33	707.15	99.14	66.99	32.16	3.083		
7,700.00	7,122.15	7,233.54	6,999.46	42.15	31.98	11.64	-1,431.91	670.76	122.99	89.01	33.98	3.619		
7,750.00	7,124.91	7,197.34	6,984.43	42.62	31.82	9.42	-1,434.28	637.92	145.67	108.40	37.27	3.909		
7,759.54	7,125.00	7,190.71	6,981.44	42.72	31.80	9.09	-1,434.69	632.01	149.95	111.98	37.97	3.950		
7,800.00	7,125.10	7,163.43	6,968.38	43.13	31.70	7.75	-1,436.29	608.12	169.04	128.19	40.85	4.138		
7,900.00	7,125.34	7,103.60	6,935.53	44.28	31.52	5.63	-1,439.01	558.24	223.81	176.73	47.08	4.753		
8,000.00	7,125.58	7,054.07	6,903.88	45.61	31.39	4.94	-1,438.81	520.17	287.93	235.92	52.01	5.536		
8,100.00	7,125.82	7,006.50	6,870.23	47.10	31.26	4.78	-1,436.92	486.62	358.90	303.86	55.04	6.520		
8,200.00	7,126.06	6,959.74	6,835.31	48.72	31.13	4.29	-1,436.72	455.54	433.72	376.72	57.00	7.609		
8,300.00	7,126.30	6,920.28	6,804.60	50.48	31.02	3.69	-1,437.89	430.79	511.66	452.86	58.80	8.702		
8,400.00	7,126.54	6,887.34	6,777.97	52.34	30.93	3.33	-1,438.53	411.41	592.58	532.20	60.38	9.814		
8,500.00	7,126.78	6,845.00	6,742.49	54.30	30.80	3.04	-1,438.53	388.33	676.26	615.16	61.10	11.068		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,127.02	6,845.00	6,742.49	56.35	30.80	3.04	-1,438.53	388.33	761.72	698.58	63.14	12.064		
8,700.00	7,127.26	6,811.93	6,713.81	58.47	30.69	2.90	-1,438.15	371.87	848.85	785.20	63.65	13.336		
8,800.00	7,127.50	6,792.97	6,696.99	60.66	30.63	2.83	-1,437.90	363.12	937.69	873.29	64.40	14.560		
8,900.00	7,127.74	6,751.00	6,658.87	62.90	30.50	2.70	-1,437.27	345.59	1,028.61	964.10	64.51	15.946		
9,000.00	7,127.98	6,751.00	6,658.87	65.19	30.50	2.70	-1,437.27	345.59	1,119.11	1,053.74	65.37	17.120		
9,100.00	7,128.22	6,751.00	6,658.87	67.53	30.50	2.70	-1,437.27	345.59	1,211.12	1,145.08	66.03	18.341		
9,200.00	7,128.46	6,751.00	6,658.87	69.92	30.50	2.70	-1,437.27	345.59	1,304.30	1,237.75	66.55	19.599		
9,300.00	7,128.70	6,717.02	6,627.30	72.33	30.38	2.57	-1,436.96	333.04	1,397.35	1,330.75	66.59	20.983		
9,400.00	7,128.94	6,704.09	6,615.15	74.78	30.34	2.51	-1,436.98	328.59	1,491.32	1,424.46	66.85	22.308		
9,500.00	7,129.18	6,692.15	6,603.89	77.26	30.29	2.45	-1,437.07	324.65	1,585.76	1,518.68	67.08	23.641		
9,600.00	7,129.42	6,656.00	6,569.46	79.76	30.17	2.24	-1,437.71	313.64	1,681.17	1,614.09	67.08	25.062		
9,700.00	7,129.66	6,656.00	6,569.46	82.29	30.17	2.24	-1,437.71	313.64	1,776.06	1,708.70	67.35	26.369		
9,800.00	7,129.90	6,656.00	6,569.46	84.84	30.17	2.24	-1,437.71	313.64	1,871.47	1,803.89	67.59	27.691		
9,900.00	7,130.14	6,656.00	6,569.46	87.41	30.17	2.24	-1,437.71	313.64	1,967.35	1,899.56	67.78	29.025		
10,000.00	7,130.38	6,656.00	6,569.46	90.00	30.17	2.24	-1,437.71	313.64	2,063.61	1,995.66	67.95	30.369		
10,100.00	7,130.62	6,656.00	6,569.46	92.60	30.17	2.24	-1,437.71	313.64	2,160.21	2,092.12	68.10	31.722		
10,200.00	7,130.86	6,656.00	6,569.46	95.22	30.17	2.24	-1,437.71	313.64	2,257.11	2,188.89	68.23	33.083		
10,300.00	7,131.09	6,621.40	6,536.13	97.85	30.04	2.04	-1,438.50	304.43	2,353.36	2,285.14	68.22	34.497		
10,400.00	7,131.33	6,614.78	6,529.71	100.50	30.02	2.01	-1,438.63	302.82	2,450.37	2,382.06	68.31	35.871		
10,500.00	7,131.57	6,608.53	6,523.64	103.16	30.00	1.98	-1,438.75	301.33	2,547.56	2,479.16	68.40	37.246		
10,600.00	7,131.81	6,602.62	6,517.89	105.82	29.97	1.95	-1,438.85	299.97	2,644.91	2,576.43	68.48	38.623		
10,700.00	7,132.05	6,597.03	6,512.44	108.50	29.95	1.93	-1,438.94	298.71	2,742.40	2,673.84	68.56	40.002		
10,800.00	7,132.29	6,562.00	6,478.14	111.19	29.83	1.79	-1,439.39	291.61	2,840.66	2,772.10	68.56	41.432		
10,900.00	7,132.53	6,562.00	6,478.14	113.88	29.83	1.79	-1,439.39	291.61	2,938.20	2,869.55	68.65	42.801		
11,000.00	7,132.77	6,562.00	6,478.14	116.58	29.83	1.79	-1,439.39	291.61	3,035.90	2,967.17	68.73	44.174		
11,100.00	7,133.01	6,562.00	6,478.14	119.29	29.83	1.79	-1,439.39	291.61	3,133.75	3,064.95	68.80	45.548		
11,200.00	7,133.25	6,562.00	6,478.14	122.01	29.83	1.79	-1,439.39	291.61	3,231.72	3,162.85	68.87	46.925		
11,300.00	7,133.49	6,562.00	6,478.14	124.73	29.83	1.79	-1,439.39	291.61	3,329.82	3,260.89	68.94	48.303		
11,400.00	7,133.73	6,562.00	6,478.14	127.46	29.83	1.79	-1,439.39	291.61	3,428.03	3,359.03	69.00	49.682		
11,500.00	7,133.97	6,562.00	6,478.14	130.19	29.83	1.79	-1,439.39	291.61	3,526.34	3,457.28	69.06	51.063		
11,600.00	7,134.21	6,562.00	6,478.14	132.93	29.83	1.79	-1,439.39	291.61	3,624.74	3,555.62	69.12	52.444		
11,700.00	7,134.45	6,562.00	6,478.14	135.68	29.83	1.79	-1,439.39	291.61	3,723.22	3,654.05	69.17	53.825		
11,800.00	7,134.69	6,562.00	6,478.14	138.43	29.83	1.79	-1,439.39	291.61	3,821.79	3,752.56	69.23	55.206		
11,900.00	7,134.93	6,562.00	6,478.14	141.18	29.83	1.79	-1,439.39	291.61	3,920.43	3,851.15	69.28	56.588		
12,000.00	7,135.17	6,562.00	6,478.14	143.94	29.83	1.79	-1,439.39	291.61	4,019.13	3,949.80	69.33	57.969		
12,100.00	7,135.41	6,562.00	6,478.14	146.70	29.83	1.79	-1,439.39	291.61	4,117.90	4,048.51	69.38	59.349		
12,200.00	7,135.65	6,562.00	6,478.14	149.46	29.83	1.79	-1,439.39	291.61	4,216.72	4,147.29	69.44	60.729		
12,300.00	7,135.89	6,562.00	6,478.14	152.23	29.83	1.79	-1,439.39	291.61	4,315.60	4,246.12	69.49	62.108		
12,400.00	7,136.13	6,562.00	6,478.14	155.00	29.83	1.79	-1,439.39	291.61	4,414.53	4,345.00	69.54	63.486		
12,500.00	7,136.37	6,562.00	6,478.14	157.78	29.83	1.79	-1,439.39	291.61	4,513.51	4,443.92	69.59	64.863		
12,600.00	7,136.61	6,562.00	6,478.14	160.55	29.83	1.79	-1,439.39	291.61	4,612.53	4,542.90	69.64	66.238		
12,700.00	7,136.85	6,562.00	6,478.14	163.33	29.83	1.79	-1,439.39	291.61	4,711.59	4,641.91	69.69	67.613		
12,800.00	7,137.09	6,562.00	6,478.14	166.12	29.83	1.79	-1,439.39	291.61	4,810.70	4,740.96	69.74	68.985		
12,900.00	7,137.33	6,562.00	6,478.14	168.90	29.83	1.79	-1,439.39	291.61	4,909.83	4,840.05	69.79	70.356		
13,000.00	7,137.57	6,562.00	6,478.14	171.69	29.83	1.79	-1,439.39	291.61	5,009.00	4,939.17	69.84	71.726		
13,100.00	7,137.81	6,562.00	6,478.14	174.48	29.83	1.79	-1,439.39	291.61	5,108.21	5,038.32	69.89	73.094		
13,200.00	7,138.05	6,562.00	6,478.14	177.27	29.83	1.79	-1,439.39	291.61	5,207.44	5,137.51	69.94	74.459		
13,300.00	7,138.29	6,562.00	6,478.14	180.07	29.83	1.79	-1,439.39	291.61	5,306.71	5,236.72	69.99	75.823		
13,400.00	7,138.53	6,562.00	6,478.14	182.86	29.83	1.79	-1,439.39	291.61	5,406.00	5,335.96	70.04	77.184		
13,500.00	7,138.77	6,562.00	6,478.14	185.66	29.83	1.79	-1,439.39	291.61	5,505.31	5,435.22	70.09	78.544		
13,600.00	7,139.01	6,562.00	6,478.14	188.46	29.83	1.79	-1,439.39	291.61	5,604.66	5,534.51	70.14	79.901		
13,700.00	7,139.25	6,562.00	6,478.14	191.26	29.83	1.79	-1,439.39	291.61	5,704.02	5,633.82	70.20	81.256		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,139.49	6,562.00	6,478.14	194.06	29.83	1.79	-1,439.39	291.61	5,803.40	5,733.15	70.25	82.608		
13,900.00	7,139.73	6,562.00	6,478.14	196.87	29.83	1.79	-1,439.39	291.61	5,902.81	5,832.50	70.31	83.958		
14,000.00	7,139.97	6,562.00	6,478.14	199.68	29.83	1.79	-1,439.39	291.61	6,002.24	5,931.88	70.36	85.306		
14,100.00	7,140.21	6,562.00	6,478.14	202.48	29.83	1.79	-1,439.39	291.61	6,101.68	6,031.26	70.42	86.651		
14,200.00	7,140.45	6,562.00	6,478.14	205.29	29.83	1.79	-1,439.39	291.61	6,201.14	6,130.67	70.47	87.993		
14,300.00	7,140.69	6,562.00	6,478.14	208.10	29.83	1.79	-1,439.39	291.61	6,300.62	6,230.09	70.53	89.332		
14,400.00	7,140.93	6,562.00	6,478.14	210.91	29.83	1.79	-1,439.39	291.61	6,400.12	6,329.53	70.59	90.669		
14,500.00	7,141.17	6,562.00	6,478.14	213.73	29.83	1.79	-1,439.39	291.61	6,499.63	6,428.99	70.65	92.003		
14,600.00	7,141.41	6,562.00	6,478.14	216.54	29.83	1.79	-1,439.39	291.61	6,599.16	6,528.45	70.71	93.334		
14,700.00	7,141.65	6,562.00	6,478.14	219.36	29.83	1.79	-1,439.39	291.61	6,698.70	6,627.93	70.76	94.662		
14,800.00	7,141.89	6,562.00	6,478.14	222.17	29.83	1.79	-1,439.39	291.61	6,798.25	6,727.43	70.83	95.986		
14,900.00	7,142.13	6,562.00	6,478.14	224.99	29.83	1.79	-1,439.39	291.61	6,897.82	6,826.93	70.89	97.308		
15,000.00	7,142.36	6,518.33	6,434.93	227.81	29.67	1.64	-1,439.83	285.42	6,995.40	6,924.45	70.95	98.595		
15,100.00	7,142.60	6,517.67	6,434.28	230.63	29.66	1.64	-1,439.83	285.35	7,094.93	7,023.92	71.01	99.910		
15,200.00	7,142.84	6,517.04	6,433.64	233.45	29.66	1.64	-1,439.84	285.29	7,194.48	7,123.40	71.08	101.221		
15,300.00	7,143.08	6,516.41	6,433.02	236.27	29.66	1.64	-1,439.85	285.23	7,294.03	7,222.89	71.14	102.530		
15,400.00	7,143.32	6,515.81	6,432.42	239.09	29.66	1.64	-1,439.85	285.17	7,393.60	7,322.39	71.21	103.835		
15,500.00	7,143.56	6,515.22	6,431.83	241.91	29.66	1.63	-1,439.86	285.12	7,493.18	7,421.91	71.27	105.136		
15,600.00	7,143.80	6,514.64	6,431.26	244.73	29.65	1.63	-1,439.87	285.07	7,592.77	7,521.43	71.34	106.435		
15,700.00	7,144.04	6,514.08	6,430.70	247.56	29.65	1.63	-1,439.87	285.01	7,692.37	7,620.96	71.40	107.730		
15,800.00	7,144.28	6,513.53	6,430.16	250.38	29.65	1.63	-1,439.88	284.96	7,791.97	7,720.50	71.47	109.022		
15,900.00	7,144.52	6,513.00	6,429.62	253.21	29.65	1.63	-1,439.88	284.92	7,891.59	7,820.05	71.54	110.310		
16,000.00	7,144.76	6,512.48	6,429.10	256.03	29.65	1.63	-1,439.89	284.87	7,991.22	7,919.61	71.61	111.595		
16,100.00	7,145.00	6,511.97	6,428.59	258.86	29.64	1.62	-1,439.89	284.83	8,090.85	8,019.18	71.68	112.877		
16,200.00	7,145.24	6,468.00	6,384.69	261.69	29.48	1.49	-1,440.35	282.88	8,192.46	8,120.70	71.75	114.174		
16,300.00	7,145.48	6,468.00	6,384.69	264.52	29.48	1.49	-1,440.35	282.88	8,292.06	8,220.24	71.83	115.448		
16,400.00	7,145.72	6,468.00	6,384.69	267.35	29.48	1.49	-1,440.35	282.88	8,391.68	8,319.78	71.90	116.718		
16,500.00	7,145.96	6,468.00	6,384.69	270.18	29.48	1.49	-1,440.35	282.88	8,491.31	8,419.34	71.97	117.985		
16,600.00	7,146.20	6,468.00	6,384.69	273.01	29.48	1.49	-1,440.35	282.88	8,590.94	8,518.90	72.04	119.248		
16,700.00	7,146.44	6,468.00	6,384.69	275.84	29.48	1.49	-1,440.35	282.88	8,690.58	8,618.46	72.12	120.508		
16,800.00	7,146.68	6,468.00	6,384.69	278.67	29.48	1.49	-1,440.35	282.88	8,790.23	8,718.04	72.19	121.764		
16,900.00	7,146.92	6,468.00	6,384.69	281.50	29.48	1.49	-1,440.35	282.88	8,889.89	8,817.62	72.27	123.016		
17,000.00	7,147.16	6,468.00	6,384.69	284.33	29.48	1.49	-1,440.35	282.88	8,989.56	8,917.21	72.34	124.265		
17,100.00	7,147.40	6,468.00	6,384.69	287.16	29.48	1.49	-1,440.35	282.88	9,089.23	9,016.81	72.42	125.509		
17,200.00	7,147.64	6,468.00	6,384.69	290.00	29.48	1.49	-1,440.35	282.88	9,188.91	9,116.41	72.50	126.751		
17,300.00	7,147.88	6,468.00	6,384.69	292.83	29.48	1.49	-1,440.35	282.88	9,288.60	9,216.02	72.57	127.988		
17,400.00	7,148.12	6,468.00	6,384.69	295.66	29.48	1.49	-1,440.35	282.88	9,388.29	9,315.64	72.65	129.221		
17,500.00	7,148.36	6,468.00	6,384.69	298.50	29.48	1.49	-1,440.35	282.88	9,487.99	9,415.26	72.73	130.451		
17,600.00	7,148.60	6,468.00	6,384.69	301.33	29.48	1.49	-1,440.35	282.88	9,587.70	9,514.88	72.81	131.677		
17,700.00	7,148.84	6,468.00	6,384.69	304.17	29.48	1.49	-1,440.35	282.88	9,687.41	9,614.52	72.89	132.899		
17,800.00	7,149.08	6,468.00	6,384.69	307.00	29.48	1.49	-1,440.35	282.88	9,787.13	9,714.15	72.97	134.117		
17,900.00	7,149.32	6,468.00	6,384.69	309.84	29.48	1.49	-1,440.35	282.88	9,886.85	9,813.79	73.06	135.331		
18,000.00	7,149.56	6,468.00	6,384.69	312.68	29.48	1.49	-1,440.35	282.88	9,986.58	9,913.44	73.14	136.541		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	133.86	-487.80	507.54	704.04					
100.00	100.00	87.41	87.41	3.28	0.19	133.83	-487.61	507.86	704.05	700.58	3.48	202.518		
200.00	200.00	176.79	176.78	3.34	0.47	133.74	-487.12	509.08	704.69	700.88	3.82	184.629		
300.00	299.98	255.84	255.75	3.44	0.83	-3.70	-487.25	512.48	706.19	701.87	4.32	163.616		
400.00	399.84	335.18	334.85	3.59	1.19	-4.01	-488.00	518.46	707.11	702.24	4.87	145.197		
500.00	499.45	409.48	408.69	3.80	1.53	-4.40	-489.60	526.56	707.87	702.39	5.48	129.225		
600.00	598.70	484.67	483.08	4.04	1.87	-4.85	-492.66	537.03	708.76	702.63	6.13	115.595		
700.00	697.47	564.67	561.88	4.32	2.24	-5.31	-498.04	549.74	709.48	702.66	6.81	104.116		
800.00	795.62	650.74	646.38	4.65	2.65	-5.70	-506.26	563.90	709.11	701.59	7.53	94.222		
900.00	893.06	741.39	735.15	5.01	3.10	-5.99	-517.32	578.55	706.87	698.61	8.26	85.527		
1,000.00	989.64	839.87	831.37	5.42	3.59	-6.06	-532.48	592.93	702.13	693.08	9.05	77.603		
1,044.50	1,032.32	887.34	877.73	5.61	3.82	-5.96	-541.05	598.51	698.74	689.32	9.41	74.239		
1,100.00	1,085.43	956.39	945.16	5.86	4.15	-5.61	-554.60	604.53	693.42	683.52	9.89	70.105		
1,200.00	1,181.11	1,091.54	1,077.19	6.33	4.77	-4.33	-583.05	608.11	680.47	669.66	10.81	62.966		
1,300.00	1,276.80	1,190.12	1,173.03	6.81	5.21	-2.87	-605.90	604.84	665.01	653.36	11.65	57.060		
1,400.00	1,372.49	1,280.18	1,259.78	7.31	5.61	-1.15	-629.46	599.49	650.43	637.93	12.50	52.021		
1,500.00	1,468.17	1,370.36	1,345.95	7.83	6.02	0.84	-655.23	593.02	637.63	624.25	13.37	47.677		
1,600.00	1,563.86	1,462.89	1,433.95	8.35	6.46	3.07	-682.90	585.84	626.47	612.20	14.27	43.903		
1,700.00	1,659.55	1,553.96	1,520.17	8.88	6.92	5.42	-711.28	578.34	617.17	602.00	15.18	40.670		
1,800.00	1,755.23	1,652.99	1,613.74	9.42	7.43	8.11	-742.53	569.69	609.23	593.11	16.12	37.787		
1,900.00	1,850.92	1,756.96	1,712.25	9.97	7.97	10.98	-774.38	560.23	601.71	584.61	17.10	35.191		
2,000.00	1,946.61	1,851.67	1,802.34	10.52	8.47	13.57	-802.42	552.04	594.89	576.84	18.04	32.969		
2,100.00	2,042.29	1,925.92	1,872.81	11.07	8.88	15.56	-825.26	546.97	591.20	572.30	18.89	31.289		
2,125.55	2,066.74	1,944.85	1,890.70	11.22	8.98	16.04	-831.38	546.07	591.04	571.93	19.11	30.932 CC		
2,200.00	2,137.98	2,015.33	1,957.25	11.63	9.38	17.81	-854.41	543.42	591.53	571.72	19.82	29.850 ES		
2,300.00	2,233.67	2,113.01	2,049.65	12.19	9.93	20.18	-885.99	540.49	593.09	572.30	20.79	28.523		
2,400.00	2,329.35	2,217.85	2,149.10	12.76	10.53	22.63	-919.06	537.76	595.07	573.24	21.82	27.269		
2,500.00	2,425.04	2,315.18	2,241.73	13.32	11.07	24.84	-948.82	535.54	597.16	574.35	22.81	26.183		
2,600.00	2,520.72	2,412.94	2,334.71	13.89	11.63	27.12	-978.88	532.55	600.18	576.37	23.80	25.213		
2,700.00	2,616.41	2,515.21	2,431.99	14.46	12.20	29.58	-1,010.10	528.18	603.74	578.89	24.84	24.302		
2,800.00	2,712.10	2,609.53	2,521.86	15.03	12.74	31.73	-1,038.57	525.10	608.12	582.29	25.83	23.543		
2,900.00	2,807.78	2,704.24	2,612.06	15.60	13.27	33.78	-1,067.35	522.79	613.77	586.94	26.83	22.880		
3,000.00	2,903.47	2,799.42	2,702.63	16.18	13.81	35.75	-1,096.56	521.23	620.63	592.80	27.83	22.299		
3,100.00	2,999.16	2,895.15	2,793.60	16.75	14.36	37.83	-1,126.19	517.96	628.47	599.62	28.85	21.782		
3,200.00	3,094.84	2,986.20	2,879.91	17.33	14.89	39.84	-1,154.93	514.08	637.82	607.98	29.84	21.375		
3,300.00	3,190.53	3,078.72	2,967.36	17.90	15.42	41.80	-1,184.89	510.30	648.88	618.04	30.85	21.037		
3,400.00	3,286.22	3,180.11	3,063.29	18.48	16.01	43.84	-1,217.50	506.76	660.53	628.58	31.95	20.673		
3,500.00	3,381.90	3,275.67	3,153.78	19.06	16.57	45.66	-1,248.11	503.81	672.75	639.75	33.00	20.386		
3,600.00	3,477.59	3,375.93	3,248.67	19.64	17.15	47.59	-1,280.20	499.55	685.82	651.71	34.11	20.106		
3,700.00	3,573.28	3,485.81	3,353.22	20.22	17.78	49.63	-1,313.69	495.22	698.00	662.67	35.32	19.760		
3,800.00	3,668.96	3,593.02	3,455.69	20.80	18.39	51.46	-1,345.07	492.33	709.43	672.93	36.50	19.435		
3,900.00	3,764.65	3,690.22	3,548.83	21.38	18.93	52.99	-1,372.84	490.80	720.51	682.92	37.59	19.169		
4,000.00	3,860.33	3,783.30	3,637.93	21.96	19.45	54.47	-1,399.71	488.54	732.60	693.97	38.64	18.961		
4,100.00	3,956.02	3,893.25	3,743.31	22.54	20.07	56.25	-1,430.82	484.79	744.97	705.11	39.86	18.689		
4,200.00	4,051.71	3,968.11	3,815.01	23.13	20.49	57.42	-1,452.14	482.16	758.11	717.38	40.73	18.614		
4,300.00	4,147.39	4,042.85	3,885.91	23.71	20.92	58.56	-1,475.57	478.94	774.74	733.18	41.56	18.640		
4,400.00	4,243.08	4,121.11	3,959.47	24.29	21.39	59.69	-1,502.02	475.12	794.40	751.98	42.42	18.726		
4,500.00	4,338.77	4,203.99	4,036.80	24.88	21.89	60.80	-1,531.55	470.98	816.31	772.97	43.34	18.836		
4,600.00	4,434.45	4,293.41	4,119.74	25.46	22.45	61.90	-1,564.68	466.65	839.88	795.53	44.35	18.936		
4,700.00	4,530.14	4,399.53	4,218.31	26.04	23.10	63.11	-1,603.73	462.16	863.33	817.70	45.63	18.920		
4,800.00	4,625.83	4,504.08	4,315.83	26.63	23.74	64.24	-1,641.20	458.00	886.06	839.18	46.88	18.903		
4,900.00	4,721.51	4,612.55	4,417.38	27.21	24.40	65.36	-1,679.09	454.15	908.04	859.87	48.17	18.851		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,716.68	4,515.37	27.80	25.02	66.40	-1,714.19	450.73	929.01	879.61	49.40	18.807		
5,100.00	4,912.89	4,824.07	4,616.73	28.38	25.66	67.44	-1,749.49	447.20	949.48	898.82	50.66	18.742		
5,200.00	5,008.57	4,936.54	4,723.38	28.97	26.32	68.50	-1,785.06	444.06	968.84	916.87	51.98	18.639		
5,300.00	5,104.26	5,053.44	4,834.92	29.55	26.99	69.57	-1,819.96	441.69	986.45	933.13	53.33	18.498		
5,400.00	5,199.94	5,152.53	4,929.93	30.14	27.54	70.51	-1,847.98	439.10	1,003.22	948.75	54.47	18.417		
5,500.00	5,295.63	5,247.33	5,020.73	30.72	28.08	71.38	-1,875.13	436.57	1,020.58	965.01	55.57	18.366		
5,600.00	5,391.32	5,344.91	5,114.13	31.31	28.63	72.21	-1,903.29	434.51	1,038.08	981.38	56.70	18.309		
5,700.00	5,487.00	5,470.23	5,234.21	31.90	29.33	73.20	-1,939.07	432.91	1,055.24	997.13	58.11	18.158		
5,800.00	5,582.69	5,573.48	5,333.77	32.48	29.89	74.01	-1,966.42	432.57	1,070.15	1,010.86	59.29	18.049		
5,900.00	5,678.38	5,659.64	5,416.74	33.07	30.37	74.66	-1,989.67	432.23	1,085.72	1,025.42	60.30	18.005		
6,000.00	5,774.06	5,758.42	5,511.69	33.65	30.92	75.37	-2,016.90	431.70	1,102.02	1,040.58	61.44	17.937		
6,100.00	5,869.75	5,826.04	5,576.49	34.24	31.30	75.84	-2,036.19	430.96	1,119.63	1,057.39	62.24	17.989		
6,200.00	5,965.44	5,928.28	5,674.21	34.83	31.87	76.60	-2,066.04	427.46	1,139.29	1,075.87	63.42	17.963		
6,300.00	6,061.12	6,009.86	5,752.51	35.41	32.33	77.26	-2,088.70	424.06	1,158.46	1,094.09	64.37	17.998		
6,400.00	6,156.81	6,088.95	5,827.79	36.00	32.79	77.81	-2,112.71	420.81	1,179.74	1,114.47	65.27	18.076		
6,500.00	6,252.50	6,500.00	5,947.83	36.59	35.12	78.62	-2,150.44	416.81	1,200.29	1,132.04	68.25	17.587		
6,600.00	6,348.18	6,316.61	6,045.41	37.18	34.08	79.25	-2,179.18	415.11	1,218.68	1,150.75	67.93	17.939		
6,636.04	6,382.67	6,343.08	6,070.65	37.39	34.23	79.40	-2,187.14	414.73	1,225.83	1,157.60	68.24	17.964		
6,650.00	6,396.05	6,353.44	6,080.51	37.47	34.29	76.36	-2,190.31	414.57	1,228.58	1,160.22	68.36	17.973		
6,700.00	6,444.38	6,390.80	6,116.00	37.74	34.51	62.48	-2,201.96	413.93	1,237.16	1,168.42	68.74	17.997		
6,750.00	6,493.07	6,430.78	6,153.85	37.98	34.74	44.29	-2,214.82	413.14	1,243.75	1,174.63	69.12	17.995		
6,800.00	6,541.82	6,477.06	6,197.59	38.18	35.01	24.81	-2,229.91	412.18	1,248.07	1,178.54	69.53	17.950		
6,850.00	6,590.35	6,524.21	6,242.10	38.35	35.29	8.10	-2,245.42	411.18	1,250.02	1,180.10	69.92	17.878		
6,900.00	6,638.34	6,573.40	6,288.50	38.50	35.59	-4.52	-2,261.71	410.24	1,249.54	1,179.22	70.31	17.771		
6,950.00	6,685.50	6,626.51	6,338.59	38.64	35.90	-13.88	-2,279.37	409.39	1,246.63	1,175.88	70.75	17.621		
7,000.00	6,731.54	6,685.88	6,394.75	38.77	36.25	-21.17	-2,298.60	408.50	1,241.06	1,169.81	71.26	17.417		
7,050.00	6,776.18	6,745.32	6,451.19	38.90	36.60	-27.17	-2,317.22	407.76	1,232.90	1,161.13	71.76	17.180		
7,100.00	6,819.14	6,802.77	6,505.92	39.03	36.93	-32.42	-2,334.71	407.38	1,222.30	1,150.05	72.25	16.918		
7,150.00	6,860.16	6,836.33	6,559.16	39.16	40.95	-89.16	-2,529.37	1,126.67	1,201.78	1,136.08	65.70	18.291		
7,200.00	6,898.98	6,809.16	6,723.48	39.31	40.86	-91.82	-2,530.32	1,099.51	1,182.38	1,115.70	66.67	17.733		
7,250.00	6,935.36	6,976.46	6,723.89	39.47	40.78	-93.70	-2,531.51	1,066.84	1,165.29	1,097.71	67.59	17.241		
7,300.00	6,969.08	7,940.97	6,736.40	39.65	40.73	-95.05	-2,532.83	1,031.37	1,150.47	1,082.06	68.40	16.819		
7,350.00	6,999.94	7,902.90	6,737.02	39.85	40.69	-95.99	-2,534.27	993.33	1,137.83	1,068.71	69.13	16.460		
7,400.00	7,027.74	7,863.92	6,737.57	40.08	40.67	-96.63	-2,535.82	954.39	1,127.30	1,057.50	69.81	16.149		
7,450.00	7,052.31	7,042.63	6,732.73	40.34	38.31	-59.70	-2,410.88	418.65	1,113.55	1,039.09	74.46	14.955		
7,500.00	7,073.49	7,056.85	6,745.79	40.63	38.40	-62.39	-2,416.04	420.90	1,097.88	1,023.15	74.72	14.693		
7,550.00	7,091.17	7,066.12	6,754.26	40.95	38.45	-64.63	-2,419.45	422.49	1,083.24	1,008.26	74.98	14.447		
7,600.00	7,105.22	7,071.10	6,758.80	41.31	38.48	-66.42	-2,421.29	423.39	1,069.89	994.64	75.25	14.218		
7,650.00	7,115.57	7,072.38	6,759.96	41.71	38.49	-67.79	-2,421.76	423.62	1,058.02	982.49	75.53	14.007		
7,700.00	7,122.15	7,070.46	6,758.22	42.15	38.47	-68.75	-2,421.05	423.27	1,047.77	971.93	75.84	13.816		
7,750.00	7,124.91	7,065.79	6,753.96	42.62	38.45	-69.32	-2,419.32	422.43	1,039.24	963.07	76.17	13.644		
7,759.54	7,125.00	7,064.62	6,752.89	42.72	38.44	-69.38	-2,418.89	422.23	1,037.81	961.57	76.23	13.613		
7,800.00	7,125.10	7,059.62	6,748.33	43.13	38.41	-69.11	-2,417.06	421.37	1,032.64	956.11	76.53	13.493		
7,900.00	7,125.34	7,048.61	6,738.23	44.28	38.35	-68.50	-2,413.04	419.57	1,026.50	949.12	77.38	13.265		
7,914.28	7,125.37	7,047.17	6,736.91	44.47	38.34	-68.42	-2,412.52	419.34	1,026.40	948.88	77.52	13.240		
8,000.00	7,125.58	7,039.16	6,729.53	45.61	38.29	-67.98	-2,409.63	418.13	1,029.93	951.57	78.36	13.144		
8,100.00	7,125.82	7,030.96	6,721.97	47.10	38.24	-67.53	-2,406.70	416.97	1,042.86	963.46	79.39	13.135 SF		
8,200.00	7,126.06	7,023.79	6,715.33	48.72	38.20	-67.13	-2,404.16	416.02	1,064.96	984.54	80.42	13.242		
8,300.00	7,126.30	7,017.46	6,709.45	50.48	38.17	-66.78	-2,401.93	415.23	1,095.71	1,014.31	81.40	13.461		
8,400.00	7,126.54	7,011.83	6,704.22	52.34	38.13	-66.47	-2,399.96	414.56	1,134.40	1,052.12	82.28	13.787		
8,500.00	7,126.78	7,006.80	6,699.54	54.30	38.10	-66.19	-2,398.22	414.00	1,180.27	1,097.22	83.05	14.211		
8,600.00	7,127.02	6,981.00	6,675.41	56.35	37.95	-64.76	-2,389.42	411.56	1,232.94	1,149.56	83.38	14.786		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,981.00	6,675.41	58.47	37.95	-64.76	-2,389.42	411.56	1,290.66	1,206.67	83.99	15.366		
8,800.00	7,127.50	6,981.00	6,675.41	60.66	37.95	-64.76	-2,389.42	411.56	1,353.32	1,268.83	84.49	16.018		
8,900.00	7,127.74	6,981.00	6,675.41	62.90	37.95	-64.76	-2,389.42	411.56	1,420.26	1,335.38	84.88	16.732		
9,000.00	7,127.98	6,981.00	6,675.41	65.19	37.95	-64.76	-2,389.42	411.56	1,490.90	1,405.71	85.19	17.501		
9,100.00	7,128.22	6,981.00	6,675.41	67.53	37.95	-64.76	-2,389.42	411.56	1,564.76	1,479.32	85.43	18.316		
9,200.00	7,128.46	6,981.00	6,675.41	69.92	37.95	-64.76	-2,389.42	411.56	1,641.38	1,555.77	85.61	19.172		
9,300.00	7,128.70	6,981.00	6,675.41	72.33	37.95	-64.76	-2,389.42	411.56	1,720.40	1,634.65	85.75	20.063		
9,400.00	7,128.94	6,981.00	6,675.41	74.78	37.95	-64.76	-2,389.42	411.56	1,801.51	1,715.67	85.85	20.985		
9,500.00	7,129.18	6,981.00	6,675.41	77.26	37.95	-64.76	-2,389.42	411.56	1,884.44	1,798.52	85.92	21.933		
9,600.00	7,129.42	6,981.00	6,675.41	79.76	37.95	-64.76	-2,389.42	411.56	1,968.95	1,882.99	85.96	22.905		
9,700.00	7,129.66	6,981.00	6,675.41	82.29	37.95	-64.76	-2,389.42	411.56	2,054.86	1,968.87	85.99	23.896		
9,800.00	7,129.90	6,981.00	6,675.41	84.84	37.95	-64.76	-2,389.42	411.56	2,141.99	2,055.98	86.01	24.905		
9,900.00	7,130.14	6,981.00	6,675.41	87.41	37.95	-64.76	-2,389.42	411.56	2,230.19	2,144.19	86.01	25.930		
10,000.00	7,130.38	6,981.00	6,675.41	90.00	37.95	-64.76	-2,389.42	411.56	2,319.36	2,233.36	86.00	26.968		
10,100.00	7,130.62	6,981.00	6,675.41	92.60	37.95	-64.76	-2,389.42	411.56	2,409.38	2,323.38	85.99	28.018		
10,200.00	7,130.86	6,981.00	6,675.41	95.22	37.95	-64.76	-2,389.42	411.56	2,500.15	2,414.17	85.98	29.079		
10,300.00	7,131.09	6,981.00	6,675.41	97.85	37.95	-64.76	-2,389.42	411.56	2,591.61	2,505.65	85.96	30.149		
10,400.00	7,131.33	6,981.00	6,675.41	100.50	37.95	-64.76	-2,389.42	411.56	2,683.67	2,597.73	85.94	31.228		
10,500.00	7,131.57	6,981.00	6,675.41	103.16	37.95	-64.76	-2,389.42	411.56	2,776.28	2,690.37	85.92	32.314		
10,600.00	7,131.81	6,981.00	6,675.41	105.82	37.95	-64.76	-2,389.42	411.56	2,869.39	2,783.50	85.89	33.406		
10,700.00	7,132.05	6,981.00	6,675.41	108.50	37.95	-64.76	-2,389.42	411.56	2,962.95	2,877.08	85.87	34.505		
10,800.00	7,132.29	6,981.00	6,675.41	111.19	37.95	-64.76	-2,389.42	411.56	3,056.92	2,971.07	85.85	35.608		
10,900.00	7,132.53	6,981.00	6,675.41	113.88	37.95	-64.76	-2,389.42	411.56	3,151.25	3,065.43	85.83	36.716		
11,000.00	7,132.77	6,947.70	6,644.04	116.58	37.76	-62.93	-2,378.48	409.34	3,245.27	3,159.76	85.51	37.951		
11,100.00	7,133.01	6,946.48	6,642.88	119.29	37.75	-62.86	-2,378.09	409.28	3,340.21	3,254.73	85.48	39.074		
11,200.00	7,133.25	6,945.30	6,641.77	122.01	37.75	-62.80	-2,377.71	409.21	3,435.44	3,349.98	85.46	40.200		
11,300.00	7,133.49	6,944.17	6,640.70	124.73	37.74	-62.74	-2,377.35	409.16	3,530.93	3,445.50	85.43	41.330		
11,400.00	7,133.73	6,943.08	6,639.67	127.46	37.73	-62.68	-2,377.00	409.10	3,626.67	3,541.25	85.41	42.461		
11,500.00	7,133.97	6,942.03	6,638.67	130.19	37.73	-62.62	-2,376.67	409.05	3,722.62	3,637.23	85.39	43.595		
11,600.00	7,134.21	6,941.02	6,637.72	132.93	37.72	-62.56	-2,376.34	409.00	3,818.78	3,733.41	85.37	44.731		
11,700.00	7,134.45	6,940.04	6,636.79	135.68	37.72	-62.51	-2,376.03	408.95	3,915.14	3,829.78	85.35	45.869		
11,800.00	7,134.69	6,939.10	6,635.90	138.43	37.71	-62.46	-2,375.73	408.91	4,011.67	3,926.33	85.34	47.008		
11,900.00	7,134.93	6,938.19	6,635.03	141.18	37.71	-62.41	-2,375.44	408.86	4,108.36	4,023.04	85.33	48.149		
12,000.00	7,135.17	6,937.31	6,634.20	143.94	37.70	-62.36	-2,375.16	408.82	4,205.21	4,119.90	85.32	49.290		
12,100.00	7,135.41	6,936.45	6,633.39	146.70	37.70	-62.31	-2,374.89	408.78	4,302.21	4,216.90	85.31	50.432		
12,200.00	7,135.65	6,935.63	6,632.61	149.46	37.69	-62.27	-2,374.63	408.75	4,399.33	4,314.03	85.30	51.575		
12,300.00	7,135.89	6,934.83	6,631.85	152.23	37.69	-62.23	-2,374.38	408.71	4,496.59	4,411.29	85.29	52.719		
12,400.00	7,136.13	6,934.06	6,631.12	155.00	37.68	-62.18	-2,374.14	408.68	4,593.96	4,508.67	85.29	53.862		
12,500.00	7,136.37	6,933.31	6,630.41	157.78	37.68	-62.14	-2,373.90	408.65	4,691.44	4,606.15	85.29	55.006		
12,600.00	7,136.61	6,932.58	6,629.72	160.55	37.67	-62.10	-2,373.67	408.62	4,789.02	4,703.73	85.29	56.150		
12,700.00	7,136.85	6,931.87	6,629.05	163.33	37.67	-62.06	-2,373.45	408.59	4,886.70	4,801.41	85.29	57.294		
12,800.00	7,137.09	6,931.19	6,628.40	166.12	37.67	-62.03	-2,373.23	408.56	4,984.47	4,899.18	85.29	58.438		
12,900.00	7,137.33	6,930.52	6,627.77	168.90	37.66	-61.99	-2,373.02	408.53	5,082.33	4,997.03	85.30	59.582		
13,000.00	7,137.57	6,929.88	6,627.16	171.69	37.66	-61.96	-2,372.82	408.51	5,180.27	5,094.96	85.31	60.725		
13,100.00	7,137.81	6,929.25	6,626.56	174.48	37.65	-61.92	-2,372.63	408.48	5,278.28	5,192.97	85.32	61.868		
13,200.00	7,138.05	6,928.64	6,625.98	177.27	37.65	-61.89	-2,372.43	408.46	5,376.37	5,291.05	85.33	63.010		
13,300.00	7,138.29	6,928.04	6,625.42	180.07	37.65	-61.86	-2,372.25	408.43	5,474.53	5,389.19	85.34	64.152		
13,400.00	7,138.53	6,927.47	6,624.87	182.86	37.64	-61.82	-2,372.07	408.41	5,572.75	5,487.40	85.35	65.292		
13,500.00	7,138.77	6,926.90	6,624.34	185.66	37.64	-61.79	-2,371.89	408.39	5,671.04	5,585.67	85.37	66.432		
13,600.00	7,139.01	6,926.36	6,623.82	188.46	37.64	-61.76	-2,371.72	408.37	5,769.38	5,684.00	85.38	67.571		
13,700.00	7,139.25	6,925.82	6,623.31	191.26	37.63	-61.74	-2,371.55	408.35	5,867.78	5,782.38	85.40	68.710		
13,800.00	7,139.49	6,925.30	6,622.82	194.06	37.63	-61.71	-2,371.39	408.33	5,966.23	5,880.81	85.42	69.847		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,924.80	6,622.34	196.87	37.63	-61.68	-2,371.23	408.31	6,064.73	5,979.29	85.44	70.983		
14,000.00	7,139.97	6,887.00	6,586.33	199.68	37.41	-59.64	-2,359.79	407.51	6,163.98	6,078.81	85.17	72.369		
14,100.00	7,140.21	6,887.00	6,586.33	202.48	37.41	-59.64	-2,359.79	407.51	6,262.56	6,177.36	85.20	73.503		
14,200.00	7,140.45	6,887.00	6,586.33	205.29	37.41	-59.64	-2,359.79	407.51	6,361.18	6,275.95	85.23	74.635		
14,300.00	7,140.69	6,887.00	6,586.33	208.10	37.41	-59.64	-2,359.79	407.51	6,459.84	6,374.58	85.26	75.766		
14,400.00	7,140.93	6,887.00	6,586.33	210.91	37.41	-59.64	-2,359.79	407.51	6,558.54	6,473.25	85.29	76.896		
14,500.00	7,141.17	6,887.00	6,586.33	213.73	37.41	-59.64	-2,359.79	407.51	6,657.29	6,571.96	85.32	78.024		
14,600.00	7,141.41	6,887.00	6,586.33	216.54	37.41	-59.64	-2,359.79	407.51	6,756.06	6,670.71	85.36	79.150		
14,700.00	7,141.65	6,887.00	6,586.33	219.36	37.41	-59.64	-2,359.79	407.51	6,854.88	6,769.49	85.39	80.276		
14,800.00	7,141.89	6,887.00	6,586.33	222.17	37.41	-59.64	-2,359.79	407.51	6,953.73	6,868.30	85.43	81.399		
14,900.00	7,142.13	6,887.00	6,586.33	224.99	37.41	-59.64	-2,359.79	407.51	7,052.61	6,967.14	85.46	82.521		
15,000.00	7,142.36	6,887.00	6,586.33	227.81	37.41	-59.64	-2,359.79	407.51	7,151.52	7,066.02	85.50	83.641		
15,100.00	7,142.60	6,887.00	6,586.33	230.63	37.41	-59.64	-2,359.79	407.51	7,250.46	7,164.92	85.54	84.760		
15,200.00	7,142.84	6,887.00	6,586.33	233.45	37.41	-59.64	-2,359.79	407.51	7,349.43	7,263.85	85.58	85.876		
15,300.00	7,143.08	6,887.00	6,586.33	236.27	37.41	-59.64	-2,359.79	407.51	7,448.43	7,362.81	85.62	86.991		
15,400.00	7,143.32	6,887.00	6,586.33	239.09	37.41	-59.64	-2,359.79	407.51	7,547.45	7,461.79	85.66	88.104		
15,500.00	7,143.56	6,887.00	6,586.33	241.91	37.41	-59.64	-2,359.79	407.51	7,646.50	7,560.79	85.71	89.216		
15,600.00	7,143.80	6,887.00	6,586.33	244.73	37.41	-59.64	-2,359.79	407.51	7,745.58	7,659.82	85.75	90.325		
15,700.00	7,144.04	6,887.00	6,586.33	247.56	37.41	-59.64	-2,359.79	407.51	7,844.67	7,758.88	85.80	91.432		
15,800.00	7,144.28	6,887.00	6,586.33	250.38	37.41	-59.64	-2,359.79	407.51	7,943.79	7,857.95	85.84	92.538		
15,900.00	7,144.52	6,887.00	6,586.33	253.21	37.41	-59.64	-2,359.79	407.51	8,042.94	7,957.05	85.89	93.641		
16,000.00	7,144.76	6,887.00	6,586.33	256.03	37.41	-59.64	-2,359.79	407.51	8,142.10	8,056.16	85.94	94.743		
16,100.00	7,145.00	6,887.00	6,586.33	258.86	37.41	-59.64	-2,359.79	407.51	8,241.28	8,155.29	85.99	95.842		
16,200.00	7,145.24	6,887.00	6,586.33	261.69	37.41	-59.64	-2,359.79	407.51	8,340.48	8,254.45	86.04	96.939		
16,300.00	7,145.48	6,887.00	6,586.33	264.52	37.41	-59.64	-2,359.79	407.51	8,439.71	8,353.62	86.09	98.034		
16,400.00	7,145.72	6,887.00	6,586.33	267.35	37.41	-59.64	-2,359.79	407.51	8,538.95	8,452.80	86.14	99.127		
16,500.00	7,145.96	6,887.00	6,586.33	270.18	37.41	-59.64	-2,359.79	407.51	8,638.20	8,552.01	86.19	100.218		
16,600.00	7,146.20	6,887.00	6,586.33	273.01	37.41	-59.64	-2,359.79	407.51	8,737.48	8,651.23	86.25	101.306		
16,700.00	7,146.44	6,887.00	6,586.33	275.84	37.41	-59.64	-2,359.79	407.51	8,836.77	8,750.46	86.30	102.392		
16,800.00	7,146.68	6,887.00	6,586.33	278.67	37.41	-59.64	-2,359.79	407.51	8,936.07	8,849.72	86.36	103.476		
16,900.00	7,146.92	6,887.00	6,586.33	281.50	37.41	-59.64	-2,359.79	407.51	9,035.40	8,948.98	86.42	104.558		
17,000.00	7,147.16	6,887.00	6,586.33	284.33	37.41	-59.64	-2,359.79	407.51	9,134.73	9,048.26	86.47	105.637		
17,100.00	7,147.40	6,887.00	6,586.33	287.16	37.41	-59.64	-2,359.79	407.51	9,234.08	9,147.55	86.53	106.714		
17,200.00	7,147.64	6,887.00	6,586.33	290.00	37.41	-59.64	-2,359.79	407.51	9,333.45	9,246.86	86.59	107.789		
17,300.00	7,147.88	6,887.00	6,586.33	292.83	37.41	-59.64	-2,359.79	407.51	9,432.83	9,346.18	86.65	108.861		
17,400.00	7,148.12	6,887.00	6,586.33	295.66	37.41	-59.64	-2,359.79	407.51	9,532.22	9,445.51	86.71	109.931		
17,500.00	7,148.36	6,887.00	6,586.33	298.50	37.41	-59.64	-2,359.79	407.51	9,631.62	9,544.85	86.77	110.999		
17,600.00	7,148.60	6,887.00	6,586.33	301.33	37.41	-59.64	-2,359.79	407.51	9,731.04	9,644.20	86.83	112.064		
17,700.00	7,148.84	6,887.00	6,586.33	304.17	37.41	-59.64	-2,359.79	407.51	9,830.46	9,743.57	86.90	113.126		
17,800.00	7,149.08	6,887.00	6,586.33	307.00	37.41	-59.64	-2,359.79	407.51	9,929.90	9,842.94	86.96	114.186		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	130.09	-427.69	508.10	664.23					
100.00	100.00	85.51	85.51	3.28	3.29	130.11	-428.02	508.12	664.37	657.80	6.57	101.119		
200.00	200.00	181.57	181.57	3.34	3.30	130.18	-429.14	508.20	665.20	658.55	6.64	100.152		
300.00	299.98	284.88	284.86	3.44	3.36	-7.00	-430.70	508.39	664.59	657.78	6.80	97.663		
400.00	399.84	389.44	389.42	3.59	3.49	-7.11	-430.49	508.77	659.54	652.45	7.08	93.104		
500.00	499.45	491.59	491.57	3.80	3.66	-7.26	-430.00	508.82	650.61	643.16	7.46	87.264		
600.00	598.70	577.89	577.86	4.04	3.84	-7.45	-429.88	509.29	638.88	631.01	7.87	81.141		
700.00	697.47	662.79	662.70	4.32	4.04	-7.85	-429.58	512.51	626.03	617.68	8.36	74.901		
800.00	795.62	747.54	747.22	4.65	4.27	-8.53	-428.71	518.60	612.01	603.11	8.90	68.754		
900.00	893.06	834.64	833.85	5.01	4.53	-9.48	-427.59	527.46	596.85	587.35	9.50	62.814		
1,000.00	989.64	930.09	928.65	5.42	4.82	-10.72	-426.52	538.60	579.79	569.62	10.17	57.020		
1,044.50	1,032.32	975.73	974.03	5.61	4.97	-11.31	-426.44	543.46	571.08	560.60	10.49	54.449		
1,100.00	1,085.43	1,039.17	1,037.23	5.86	5.19	-12.00	-426.85	549.00	559.29	548.38	10.91	51.275		
1,200.00	1,181.11	1,157.41	1,155.29	6.33	5.60	-13.05	-428.23	554.96	535.53	523.83	11.69	45.793		
1,300.00	1,276.80	1,269.61	1,267.48	6.81	5.99	-13.95	-428.63	556.09	508.17	495.70	12.47	40.756		
1,400.00	1,372.49	1,367.82	1,365.69	7.31	6.33	-14.85	-427.98	555.76	479.33	466.10	13.23	36.243		
1,500.00	1,468.17	1,463.57	1,461.43	7.83	6.68	-15.79	-427.53	554.96	450.31	436.31	14.00	32.170		
1,600.00	1,563.86	1,556.93	1,554.79	8.35	7.02	-16.81	-427.34	554.22	421.58	406.80	14.79	28.510		
1,700.00	1,659.55	1,649.83	1,647.69	8.88	7.37	-18.03	-427.12	554.39	393.78	378.18	15.60	25.241		
1,800.00	1,755.23	1,747.15	1,745.01	9.42	7.75	-19.55	-426.54	554.61	366.07	349.63	16.44	22.272		
1,900.00	1,850.92	1,841.31	1,839.17	9.97	8.12	-21.28	-425.94	554.94	338.70	321.41	17.29	19.591		
2,000.00	1,946.61	1,942.20	1,940.01	10.52	8.52	-23.84	-423.25	555.59	311.15	293.00	18.15	17.139		
2,100.00	2,042.29	2,045.79	2,043.37	11.07	8.94	-27.70	-416.45	555.17	281.94	262.91	19.03	14.816		
2,200.00	2,137.98	2,145.62	2,142.63	11.63	9.34	-33.04	-406.11	553.05	251.41	231.46	19.95	12.602		
2,300.00	2,233.67	2,239.67	2,235.83	12.19	9.72	-39.89	-394.07	549.38	221.15	200.17	20.98	10.540		
2,400.00	2,329.35	2,326.68	2,321.83	12.76	10.07	-48.41	-381.06	547.22	196.04	173.86	22.18	8.838		
2,500.00	2,425.04	2,414.98	2,408.74	13.32	10.44	-59.47	-365.52	545.96	178.72	155.28	23.44	7.624		
2,588.52	2,509.74	2,489.66	2,481.85	13.82	10.75	-70.38	-350.31	545.93	173.16	148.71	24.45	7.081 CC		
2,600.00	2,520.72	2,499.63	2,491.58	13.89	10.79	-71.89	-348.12	546.02	173.25	148.68	24.57	7.051 ES, SF		
2,700.00	2,616.41	2,585.61	2,575.15	14.46	11.15	-84.97	-327.95	546.51	181.39	156.01	25.38	7.146		
2,800.00	2,712.10	2,666.79	2,653.46	15.03	11.50	-96.35	-306.58	547.24	202.91	177.14	25.77	7.873		
2,900.00	2,807.78	2,753.38	2,736.55	15.60	11.87	-106.42	-282.22	548.22	234.70	208.50	26.21	8.955		
3,000.00	2,903.47	2,836.79	2,816.50	16.18	12.24	-114.25	-258.42	548.06	272.39	245.82	26.58	10.249		
3,100.00	2,999.16	2,920.10	2,895.97	16.75	12.61	-120.58	-233.48	546.85	315.13	288.13	27.01	11.669		
3,200.00	3,094.84	3,003.39	2,975.34	17.33	12.99	-125.71	-208.29	544.65	360.87	333.37	27.51	13.119		
3,300.00	3,190.53	3,087.26	3,055.16	17.90	13.38	-129.72	-182.62	542.88	408.95	380.86	28.10	14.555		
3,400.00	3,286.22	3,173.22	3,137.06	18.48	13.78	-133.14	-156.67	540.10	458.02	429.23	28.78	15.912		
3,500.00	3,381.90	3,257.43	3,217.29	19.06	14.18	-135.69	-131.15	538.79	508.13	478.66	29.47	17.240		
3,600.00	3,477.59	3,351.75	3,307.45	19.64	14.63	-138.02	-103.47	537.48	558.03	527.61	30.43	18.341		
3,700.00	3,573.28	3,444.90	3,396.83	20.22	15.07	-139.76	-77.25	537.88	607.18	575.83	31.36	19.364		
3,800.00	3,668.96	3,541.90	3,490.29	20.80	15.53	-141.26	-51.34	538.68	655.33	622.97	32.36	20.251		
3,900.00	3,764.65	3,615.68	3,561.35	21.38	15.89	-142.35	-31.49	538.13	704.05	671.15	32.90	21.403		
4,000.00	3,860.33	3,717.18	3,659.22	21.96	16.37	-143.81	-4.71	535.80	752.85	718.87	33.98	22.158		
4,100.00	3,956.02	3,784.39	3,724.02	22.54	16.70	-144.69	13.01	533.76	801.97	767.56	34.41	23.305		
4,200.00	4,051.71	3,855.56	3,792.20	23.13	17.05	-145.49	33.35	532.07	853.10	818.16	34.94	24.418		
4,300.00	4,147.39	3,928.79	3,861.96	23.71	17.41	-146.08	55.60	532.02	905.55	870.02	35.53	25.490		
4,400.00	4,243.08	4,003.77	3,933.04	24.29	17.79	-146.55	79.48	532.80	959.12	922.96	36.16	26.522		
4,500.00	4,338.77	4,104.49	4,028.58	24.88	18.29	-147.08	111.31	534.55	1,012.44	975.14	37.30	27.145		
4,600.00	4,434.45	4,215.84	4,135.05	25.46	18.85	-147.67	143.85	535.76	1,063.80	1,025.22	38.59	27.569		
4,700.00	4,530.14	4,315.59	4,231.01	26.04	19.34	-148.22	171.09	535.99	1,113.77	1,074.12	39.65	28.091		
4,800.00	4,625.83	4,401.22	4,313.66	26.63	19.76	-148.71	193.50	535.38	1,162.99	1,122.52	40.47	28.736		
4,900.00	4,721.51	4,467.00	4,376.95	27.21	20.09	-149.08	211.38	534.31	1,213.36	1,172.38	40.98	29.609		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,559.78	4,466.13	27.80	20.56	-149.62	236.82	531.65	1,264.28	1,222.36	41.92	30.157		
5,100.00	4,912.89	4,628.98	4,532.61	28.38	20.90	-150.01	255.91	529.34	1,315.52	1,273.03	42.49	30.957		
5,200.00	5,008.57	4,720.66	4,620.46	28.97	21.37	-150.45	281.99	526.72	1,367.46	1,324.03	43.43	31.487		
5,300.00	5,104.26	4,793.33	4,690.21	29.55	21.74	-150.79	302.26	524.44	1,419.06	1,375.00	44.07	32.202		
5,400.00	5,199.94	4,866.91	4,760.45	30.14	22.11	-151.08	324.10	522.55	1,472.01	1,427.28	44.73	32.912		
5,500.00	5,295.63	4,977.15	4,865.92	30.72	22.67	-151.40	356.12	521.91	1,523.92	1,477.96	45.96	33.157		
5,600.00	5,391.32	5,064.75	4,949.93	31.31	23.12	-151.67	380.92	520.79	1,575.47	1,528.63	46.84	33.635		
5,700.00	5,487.00	5,156.94	5,038.46	31.90	23.59	-151.96	406.60	519.16	1,626.78	1,579.00	47.78	34.044		
5,800.00	5,582.69	5,250.20	5,128.15	32.48	24.06	-152.24	432.07	517.26	1,677.73	1,628.99	48.74	34.421		
5,900.00	5,678.38	5,377.16	5,250.51	33.07	24.70	-152.56	465.93	516.11	1,728.02	1,677.86	50.16	34.448		
6,000.00	5,774.06	5,452.38	5,323.37	33.65	25.08	-152.76	484.59	515.25	1,776.70	1,725.83	50.86	34.931		
6,100.00	5,869.75	5,514.04	5,382.88	34.24	25.39	-152.94	500.66	513.74	1,826.73	1,775.35	51.38	35.555		
6,200.00	5,965.44	5,589.65	5,455.71	34.83	25.77	-153.15	520.86	511.45	1,877.54	1,825.45	52.09	36.047		
6,300.00	6,061.12	5,669.60	5,532.64	35.41	26.18	-153.38	542.40	508.52	1,928.73	1,875.87	52.86	36.491		
6,400.00	6,156.81	5,773.32	5,632.54	36.00	26.71	-153.68	569.97	504.34	1,979.76	1,925.81	53.95	36.697		
6,500.00	6,252.50	5,830.36	5,687.44	36.59	27.00	-153.83	585.31	502.28	2,030.95	1,976.54	54.41	37.326		
6,600.00	6,348.18	5,892.37	5,746.86	37.18	27.32	-153.97	602.94	500.23	2,083.34	2,028.40	54.94	37.920		
6,636.04	6,382.67	5,919.17	5,772.48	37.39	27.46	-154.02	610.72	499.40	2,102.39	2,047.20	55.19	38.091		
6,650.00	6,396.05	5,929.55	5,782.41	37.47	27.51	-158.07	613.75	499.08	2,109.75	2,054.46	55.29	38.157		
6,700.00	6,444.38	5,968.37	5,819.50	37.74	27.72	-175.25	625.15	497.94	2,135.58	2,079.92	55.66	38.371		
6,750.00	6,493.07	6,016.21	5,865.21	37.98	27.97	-163.83	639.22	496.65	2,160.33	2,104.19	56.13	38.486		
6,800.00	6,541.82	6,077.09	5,923.42	38.18	28.28	142.33	656.99	495.24	2,183.77	2,126.99	56.78	38.460		
6,850.00	6,590.35	6,167.46	6,010.24	38.35	28.75	124.49	682.07	494.31	2,204.99	2,147.18	57.81	38.142		
6,900.00	6,638.34	6,213.01	6,054.12	38.50	28.98	111.02	694.25	493.72	2,224.54	2,166.31	58.24	38.199		
6,950.00	6,685.50	6,242.00	6,082.07	38.64	29.13	101.21	701.91	493.11	2,242.70	2,184.25	58.45	38.368		
7,000.00	6,731.54	6,275.58	6,114.42	38.77	29.30	94.14	710.90	492.26	2,259.60	2,200.85	58.74	38.466		
7,050.00	6,776.18	6,299.28	6,137.19	38.90	29.42	88.77	717.45	491.62	2,275.36	2,216.44	58.92	38.617		
7,100.00	6,819.14	6,335.00	6,171.41	39.03	29.61	84.85	727.63	490.58	2,290.00	2,230.72	59.28	38.628		
7,150.00	6,860.16	6,347.84	6,183.69	39.16	29.68	81.50	731.36	490.19	2,303.30	2,243.93	59.37	38.794		
7,200.00	6,898.98	6,378.30	6,212.80	39.31	29.83	79.13	740.25	489.23	2,315.31	2,255.58	59.74	38.757		
7,250.00	6,935.36	6,406.98	6,240.20	39.47	29.99	77.28	748.67	488.29	2,325.98	2,265.85	60.13	38.681		
7,300.00	6,969.08	6,450.06	6,281.35	39.65	30.21	76.16	761.35	486.92	2,335.32	2,274.54	60.78	38.422		
7,350.00	6,999.94	6,540.18	6,367.80	39.85	30.68	76.43	786.79	486.46	2,342.80	2,280.68	62.12	37.714		
7,400.00	7,027.74	6,561.17	6,387.99	40.08	30.78	75.60	792.52	486.27	2,348.87	2,286.27	62.61	37.518		
7,450.00	7,052.31	6,590.96	6,416.68	40.34	30.94	75.23	800.53	485.96	2,353.75	2,290.47	63.28	37.193		
7,500.00	7,073.49	6,617.82	6,442.59	40.63	31.08	75.02	807.64	485.45	2,357.53	2,293.53	64.00	36.835		
7,550.00	7,091.17	7,550.00	6,445.24	40.95	35.86	74.46	808.41	485.49	2,360.39	2,291.35	69.04	34.190		
7,600.00	7,105.22	6,632.13	6,456.37	41.31	31.15	74.27	811.45	485.13	2,362.28	2,297.11	65.17	36.248		
7,650.00	7,115.57	6,637.76	6,461.79	41.71	31.18	74.11	812.97	485.00	2,363.34	2,297.49	65.85	35.891		
7,700.00	7,122.15	6,641.56	6,465.45	42.15	31.20	74.05	814.01	484.91	2,363.55	2,296.98	66.57	35.504		
7,750.00	7,124.91	6,643.51	6,467.32	42.62	31.21	74.09	814.54	484.86	2,362.93	2,295.60	67.33	35.094		
7,759.54	7,125.00	6,643.67	6,467.47	42.72	31.21	74.11	814.58	484.86	2,362.72	2,295.24	67.48	35.014		
7,800.00	7,125.10	6,644.19	6,467.98	43.13	31.21	74.12	814.72	484.85	2,362.10	2,293.98	68.12	34.674		
7,815.82	7,125.14	6,644.40	6,468.17	43.31	31.21	74.13	814.78	484.84	2,362.05	2,293.66	68.39	34.536		
7,900.00	7,125.34	6,645.50	6,469.24	44.28	31.22	74.16	815.08	484.81	2,363.55	2,293.73	69.82	33.851		
8,000.00	7,125.58	6,646.82	6,470.51	45.61	31.23	74.19	815.44	484.78	2,369.22	2,297.58	71.64	33.072		
8,100.00	7,125.82	6,648.16	6,471.79	47.10	31.23	74.22	815.81	484.75	2,379.08	2,305.54	73.54	32.352		
8,200.00	7,126.06	6,649.50	6,473.08	48.72	31.24	74.25	816.18	484.72	2,393.08	2,317.59	75.49	31.702		
8,300.00	7,126.30	6,650.86	6,474.38	50.48	31.25	74.29	816.55	484.68	2,411.15	2,333.69	77.46	31.128		
8,400.00	7,126.54	6,652.23	6,475.70	52.34	31.25	74.32	816.93	484.65	2,433.19	2,353.77	79.43	30.634		
8,500.00	7,126.78	6,653.61	6,477.03	54.30	31.26	74.35	817.31	484.61	2,459.11	2,377.74	81.37	30.220		
8,600.00	7,127.02	6,655.01	6,478.37	56.35	31.27	74.39	817.70	484.58	2,488.78	2,405.50	83.28	29.886		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,656.41	6,479.72	58.47	31.28	74.42	818.09	484.54	2,522.06	2,436.94	85.12	29.628		
8,800.00	7,127.50	6,657.84	6,481.09	60.66	31.28	74.45	818.48	484.51	2,558.82	2,471.92	86.90	29.444		
8,900.00	7,127.74	6,659.27	6,482.46	62.90	31.29	74.49	818.88	484.47	2,598.91	2,510.30	88.61	29.330		
9,000.00	7,127.98	6,660.72	6,483.85	65.19	31.30	74.52	819.28	484.43	2,642.18	2,551.94	90.24	29.281		
9,100.00	7,128.22	6,662.18	6,485.26	67.53	31.31	74.56	819.69	484.40	2,688.47	2,596.69	91.78	29.294		
9,200.00	7,128.46	6,663.66	6,486.67	69.92	31.31	74.60	820.10	484.36	2,737.63	2,644.39	93.23	29.363		
9,300.00	7,128.70	6,665.14	6,488.10	72.33	31.32	74.63	820.52	484.32	2,789.50	2,694.90	94.60	29.486		
9,400.00	7,128.94	6,666.65	6,489.55	74.78	31.33	74.67	820.94	484.28	2,843.95	2,748.06	95.89	29.659		
9,500.00	7,129.18	6,668.17	6,491.00	77.26	31.34	74.71	821.37	484.24	2,900.83	2,803.73	97.09	29.876		
9,600.00	7,129.42	6,669.70	6,492.47	79.76	31.34	74.74	821.80	484.20	2,959.98	2,861.76	98.22	30.136		
9,700.00	7,129.66	6,671.25	6,493.96	82.29	31.35	74.78	822.24	484.16	3,021.29	2,922.02	99.27	30.435		
9,800.00	7,129.90	6,672.81	6,495.46	84.84	31.36	74.82	822.68	484.12	3,084.62	2,984.38	100.25	30.770		
9,900.00	7,130.14	6,674.39	6,496.97	87.41	31.37	74.86	823.12	484.08	3,149.86	3,048.70	101.16	31.139		
10,000.00	7,130.38	6,675.98	6,498.50	90.00	31.38	74.89	823.58	484.03	3,216.87	3,114.87	102.00	31.537		
10,100.00	7,130.62	6,677.59	6,500.04	92.60	31.39	74.93	824.03	483.99	3,285.57	3,182.78	102.79	31.965		
10,200.00	7,130.86	6,679.22	6,501.60	95.22	31.39	74.97	824.49	483.94	3,355.83	3,252.32	103.52	32.418		
10,300.00	7,131.09	6,680.86	6,503.17	97.85	31.40	75.01	824.96	483.90	3,427.58	3,323.38	104.19	32.896		
10,400.00	7,131.33	6,682.52	6,504.76	100.50	31.41	75.05	825.44	483.85	3,500.70	3,395.88	104.82	33.397		
10,500.00	7,131.57	6,684.20	6,506.37	103.16	31.42	75.09	825.92	483.81	3,575.13	3,469.73	105.40	33.918		
10,600.00	7,131.81	6,685.89	6,507.99	105.82	31.43	75.13	826.40	483.76	3,650.78	3,544.83	105.95	34.459		
10,700.00	7,132.05	6,687.60	6,509.62	108.50	31.44	75.18	826.89	483.71	3,727.57	3,621.13	106.45	35.017		
10,800.00	7,132.29	6,689.32	6,511.28	111.19	31.45	75.22	827.39	483.67	3,805.45	3,698.53	106.92	35.593		
10,900.00	7,132.53	6,691.07	6,512.95	113.88	31.46	75.26	827.89	483.62	3,884.33	3,776.98	107.35	36.183		
11,000.00	7,132.77	6,692.83	6,514.63	116.58	31.46	75.30	828.40	483.57	3,964.17	3,856.41	107.76	36.789		
11,100.00	7,133.01	6,694.61	6,516.34	119.29	31.47	75.35	828.92	483.52	4,044.90	3,936.77	108.13	37.407		
11,200.00	7,133.25	6,696.41	6,518.06	122.01	31.48	75.39	829.44	483.46	4,126.47	4,017.99	108.48	38.038		
11,300.00	7,133.49	6,698.23	6,519.80	124.73	31.49	75.43	829.97	483.41	4,208.84	4,100.03	108.81	38.681		
11,400.00	7,133.73	6,700.00	6,520.09	127.46	31.55	75.69	833.12	483.10	4,291.97	4,182.75	109.22	39.295		
11,500.00	7,133.97	6,700.00	6,530.09	130.19	31.55	75.69	833.12	483.10	4,375.79	4,266.30	109.49	39.967		
11,600.00	7,134.21	6,700.00	6,530.09	132.93	31.55	75.69	833.12	483.10	4,460.27	4,350.54	109.73	40.648		
11,700.00	7,134.45	6,700.00	6,530.09	135.68	31.55	75.69	833.12	483.10	4,545.38	4,435.42	109.96	41.338		
11,800.00	7,134.69	6,700.00	6,530.09	138.43	31.55	75.69	833.12	483.10	4,631.09	4,520.92	110.17	42.036		
11,900.00	7,134.93	6,700.00	6,530.09	141.18	31.55	75.69	833.12	483.10	4,717.36	4,606.99	110.37	42.743		
12,000.00	7,135.17	6,700.00	6,530.09	143.94	31.55	75.69	833.12	483.10	4,804.16	4,693.61	110.55	43.457		
12,100.00	7,135.41	6,700.00	6,530.09	146.70	31.55	75.69	833.12	483.10	4,891.47	4,780.75	110.72	44.179		
12,200.00	7,135.65	6,700.00	6,530.09	149.46	31.55	75.69	833.12	483.10	4,979.25	4,868.37	110.88	44.907		
12,300.00	7,135.89	6,700.00	6,530.09	152.23	31.55	75.69	833.12	483.10	5,067.49	4,956.46	111.03	45.641		
12,400.00	7,136.13	6,700.00	6,530.09	155.00	31.55	75.69	833.12	483.10	5,156.16	5,044.99	111.17	46.381		
12,500.00	7,136.37	6,700.00	6,530.09	157.78	31.55	75.69	833.12	483.10	5,245.23	5,133.93	111.30	47.127		
12,600.00	7,136.61	6,700.00	6,530.09	160.55	31.55	75.69	833.12	483.10	5,334.69	5,223.27	111.42	47.878		
12,700.00	7,136.85	6,700.00	6,530.09	163.33	31.55	75.69	833.12	483.10	5,424.52	5,312.98	111.54	48.634		
12,800.00	7,137.09	6,700.00	6,530.09	166.12	31.55	75.69	833.12	483.10	5,514.70	5,403.05	111.65	49.394		
12,900.00	7,137.33	6,700.00	6,530.09	168.90	31.55	75.69	833.12	483.10	5,605.21	5,493.46	111.75	50.159		
13,000.00	7,137.57	6,700.00	6,530.09	171.69	31.55	75.69	833.12	483.10	5,696.04	5,584.20	111.84	50.928		
13,100.00	7,137.81	6,700.00	6,530.09	174.48	31.55	75.69	833.12	483.10	5,787.18	5,675.24	111.94	51.701		
13,200.00	7,138.05	6,700.00	6,530.09	177.27	31.55	75.69	833.12	483.10	5,878.60	5,766.58	112.02	52.478		
13,300.00	7,138.29	6,700.00	6,530.09	180.07	31.55	75.69	833.12	483.10	5,970.29	5,858.19	112.10	53.258		
13,400.00	7,138.53	6,700.00	6,530.09	182.86	31.55	75.69	833.12	483.10	6,062.25	5,950.07	112.18	54.041		
13,500.00	7,138.77	6,700.00	6,530.09	185.66	31.55	75.69	833.12	483.10	6,154.46	6,042.21	112.25	54.827		
13,600.00	7,139.01	6,700.00	6,530.09	188.46	31.55	75.69	833.12	483.10	6,246.91	6,134.59	112.32	55.616		
13,700.00	7,139.25	6,700.00	6,530.09	191.26	31.55	75.69	833.12	483.10	6,339.59	6,227.20	112.39	56.408		
13,800.00	7,139.49	6,700.00	6,530.09	194.06	31.55	75.69	833.12	483.10	6,432.49	6,320.04	112.45	57.203		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,709.00	6,530.09	196.87	31.55	75.69	833.12	483.10	6,525.59	6,413.08	112.51	58.000		
14,000.00	7,139.97	6,709.00	6,530.09	199.68	31.55	75.69	833.12	483.10	6,618.90	6,506.33	112.57	58.799		
14,100.00	7,140.21	6,709.00	6,530.09	202.48	31.55	75.69	833.12	483.10	6,712.40	6,599.78	112.62	59.601		
14,200.00	7,140.45	6,709.00	6,530.09	205.29	31.55	75.69	833.12	483.10	6,806.09	6,693.41	112.68	60.404		
14,300.00	7,140.69	6,709.00	6,530.09	208.10	31.55	75.69	833.12	483.10	6,899.95	6,787.23	112.73	61.209		
14,400.00	7,140.93	6,709.00	6,530.09	210.91	31.55	75.69	833.12	483.10	6,993.99	6,881.21	112.78	62.017		
14,500.00	7,141.17	6,709.00	6,530.09	213.73	31.55	75.69	833.12	483.10	7,088.18	6,975.36	112.82	62.825		
14,600.00	7,141.41	6,709.00	6,530.09	216.54	31.55	75.69	833.12	483.10	7,182.54	7,069.67	112.87	63.636		
14,700.00	7,141.65	6,709.00	6,530.09	219.36	31.55	75.69	833.12	483.10	7,277.04	7,164.13	112.91	64.448		
14,800.00	7,141.89	6,709.00	6,530.09	222.17	31.55	75.69	833.12	483.10	7,371.69	7,258.73	112.96	65.261		
14,900.00	7,142.13	6,709.00	6,530.09	224.99	31.55	75.69	833.12	483.10	7,466.48	7,353.48	113.00	66.076		
15,000.00	7,142.36	6,709.00	6,530.09	227.81	31.55	75.69	833.12	483.10	7,561.40	7,448.36	113.04	66.891		
15,100.00	7,142.60	6,709.00	6,530.09	230.63	31.55	75.69	833.12	483.10	7,656.45	7,543.37	113.08	67.708		
15,200.00	7,142.84	6,709.00	6,530.09	233.45	31.55	75.69	833.12	483.10	7,751.63	7,638.51	113.12	68.526		
15,300.00	7,143.08	6,709.00	6,530.09	236.27	31.55	75.69	833.12	483.10	7,846.93	7,733.77	113.16	69.345		
15,400.00	7,143.32	6,709.00	6,530.09	239.09	31.55	75.69	833.12	483.10	7,942.34	7,829.15	113.20	70.165		
15,500.00	7,143.56	6,709.00	6,530.09	241.91	31.55	75.69	833.12	483.10	8,037.87	7,924.63	113.23	70.985		
15,600.00	7,143.80	6,709.00	6,530.09	244.73	31.55	75.69	833.12	483.10	8,133.50	8,020.23	113.27	71.807		
15,700.00	7,144.04	6,709.00	6,530.09	247.56	31.55	75.69	833.12	483.10	8,229.23	8,115.93	113.31	72.629		
15,800.00	7,144.28	6,709.00	6,530.09	250.38	31.55	75.69	833.12	483.10	8,325.07	8,211.73	113.34	73.452		
15,900.00	7,144.52	6,709.00	6,530.09	253.21	31.55	75.69	833.12	483.10	8,421.00	8,307.62	113.38	74.275		
16,000.00	7,144.76	6,709.00	6,530.09	256.03	31.55	75.69	833.12	483.10	8,517.03	8,403.62	113.41	75.099		
16,100.00	7,145.00	6,709.00	6,530.09	258.86	31.55	75.69	833.12	483.10	8,613.14	8,499.70	113.45	75.923		
16,200.00	7,145.24	6,709.00	6,530.09	261.69	31.55	75.69	833.12	483.10	8,709.35	8,595.87	113.48	76.748		
16,300.00	7,145.48	6,709.00	6,530.09	264.52	31.55	75.69	833.12	483.10	8,805.64	8,692.12	113.51	77.573		
16,400.00	7,145.72	6,709.00	6,530.09	267.35	31.55	75.69	833.12	483.10	8,902.01	8,788.46	113.55	78.398		
16,500.00	7,145.96	6,709.00	6,530.09	270.18	31.55	75.69	833.12	483.10	8,998.46	8,884.87	113.58	79.223		
16,600.00	7,146.20	6,709.00	6,530.09	273.01	31.55	75.69	833.12	483.10	9,094.98	8,981.37	113.62	80.049		
16,700.00	7,146.44	6,709.00	6,530.09	275.84	31.55	75.69	833.12	483.10	9,191.58	9,077.93	113.65	80.875		
16,800.00	7,146.68	6,709.00	6,530.09	278.67	31.55	75.69	833.12	483.10	9,288.26	9,174.57	113.69	81.701		
16,900.00	7,146.92	6,709.00	6,530.09	281.50	31.55	75.69	833.12	483.10	9,385.00	9,271.28	113.72	82.528		
17,000.00	7,147.16	6,709.00	6,530.09	284.33	31.55	75.69	833.12	483.10	9,481.81	9,368.06	113.75	83.354		
17,100.00	7,147.40	6,709.00	6,530.09	287.16	31.55	75.69	833.12	483.10	9,578.68	9,464.90	113.79	84.180		
17,200.00	7,147.64	6,709.00	6,530.09	290.00	31.55	75.69	833.12	483.10	9,675.62	9,561.80	113.82	85.006		
17,300.00	7,147.88	6,709.00	6,530.09	292.83	31.55	75.69	833.12	483.10	9,772.62	9,658.77	113.86	85.832		
17,400.00	7,148.12	6,709.00	6,530.09	295.66	31.55	75.69	833.12	483.10	9,869.68	9,755.79	113.89	86.659		
17,500.00	7,148.36	6,709.00	6,530.09	298.50	31.55	75.69	833.12	483.10	9,966.80	9,852.88	113.93	87.484		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	128.74	-407.65	508.09	651.51					
100.00	100.00	95.49	95.49	3.28	3.29	128.68	-406.83	508.14	650.97	644.40	6.57	99.054		
200.00	200.00	202.72	202.67	3.34	3.31	128.47	-403.95	508.31	649.42	642.77	6.65	97.665		
300.00	299.98	298.42	298.30	3.44	3.38	-9.08	-400.40	508.68	645.70	638.88	6.82	94.675		
400.00	399.84	388.29	388.16	3.59	3.49	-9.31	-398.72	509.18	639.83	632.75	7.08	90.315		
500.00	499.45	477.84	477.70	3.80	3.64	-9.39	-399.72	509.44	632.14	624.71	7.43	85.058		
600.00	598.70	575.49	575.32	4.04	3.83	-9.55	-401.46	510.64	622.16	614.29	7.87	79.046		
700.00	697.47	669.83	669.62	4.32	4.06	-10.00	-401.25	513.45	608.95	600.58	8.38	72.695		
800.00	795.62	760.67	760.28	4.65	4.31	-10.81	-399.40	518.71	593.54	584.60	8.94	66.419		
900.00	893.06	850.31	849.49	5.01	4.57	-12.03	-395.80	526.69	576.24	566.69	9.55	60.365		
1,000.00	989.64	944.43	942.93	5.42	4.87	-13.67	-391.15	536.96	557.01	546.80	10.21	54.539		
1,044.50	1,032.32	987.79	986.01	5.61	5.02	-14.46	-389.27	541.54	547.55	537.02	10.53	51.998		
1,100.00	1,085.43	1,042.90	1,040.81	5.86	5.20	-15.42	-387.23	547.00	535.36	524.43	10.93	48.976		
1,200.00	1,181.11	1,151.10	1,148.58	6.33	5.58	-17.26	-383.80	555.96	512.68	500.98	11.70	43.822		
1,300.00	1,276.80	1,257.33	1,254.62	6.81	5.97	-19.00	-381.01	561.55	488.13	475.64	12.49	39.095		
1,400.00	1,372.49	1,370.58	1,367.83	7.31	6.38	-20.72	-378.94	563.02	460.91	447.62	13.29	34.678		
1,500.00	1,468.17	1,471.62	1,468.84	7.83	6.74	-22.08	-378.45	560.77	431.56	417.49	14.07	30.663		
1,600.00	1,563.86	1,564.70	1,561.86	8.35	7.08	-23.31	-379.07	557.70	402.01	387.14	14.86	27.045		
1,700.00	1,659.55	1,654.71	1,651.86	8.88	7.41	-24.79	-379.49	556.08	373.87	358.19	15.68	23.844		
1,800.00	1,755.23	1,748.99	1,746.14	9.42	7.76	-26.71	-379.50	555.43	346.86	330.34	16.52	20.993		
1,900.00	1,850.92	1,844.84	1,841.98	9.97	8.13	-29.14	-378.78	555.14	320.42	303.03	17.39	18.424		
2,000.00	1,946.61	1,943.71	1,940.82	10.52	8.53	-32.43	-376.16	554.61	293.88	275.59	18.29	16.070		
2,100.00	2,042.29	2,038.96	2,035.95	11.07	8.91	-36.63	-371.59	554.06	267.90	248.67	19.23	13.931		
2,200.00	2,137.98	2,134.58	2,131.30	11.63	9.30	-42.30	-364.39	553.45	243.24	223.01	20.23	12.022		
2,300.00	2,233.67	2,227.92	2,224.15	12.19	9.68	-49.55	-354.89	552.60	221.15	199.84	21.31	10.376		
2,400.00	2,329.35	2,317.91	2,313.33	12.76	10.05	-58.45	-342.98	552.17	204.40	181.93	22.47	9.096		
2,500.00	2,425.04	2,408.38	2,402.72	13.32	10.42	-68.93	-329.05	551.94	195.21	171.60	23.61	8.268		
2,549.69	2,472.58	2,452.73	2,446.45	13.60	10.61	-74.42	-321.63	551.79	193.99	169.86	24.14	8.038 CC, ES		
2,600.00	2,520.72	2,497.28	2,490.29	13.89	10.79	-80.06	-313.72	551.60	195.29	170.67	24.62	7.933 SF		
2,700.00	2,616.41	2,584.54	2,575.86	14.46	11.15	-91.03	-296.66	550.84	205.66	180.26	25.39	8.099		
2,800.00	2,712.10	2,661.27	2,650.47	15.03	11.48	-100.00	-278.79	550.76	227.81	202.08	25.73	8.852		
2,900.00	2,807.78	2,735.63	2,721.84	15.60	11.80	-107.52	-257.95	551.83	261.36	235.49	25.87	10.104		
3,000.00	2,903.47	2,805.81	2,788.12	16.18	12.11	-113.48	-234.97	553.18	303.97	278.10	25.87	11.748		
3,100.00	2,999.16	2,872.05	2,849.48	16.75	12.41	-118.25	-210.03	554.01	354.03	328.21	25.83	13.707		
3,200.00	3,094.84	2,940.59	2,912.02	17.33	12.73	-122.30	-181.99	554.68	409.26	383.28	25.98	15.754		
3,300.00	3,190.53	3,026.05	2,989.64	17.90	13.13	-126.39	-146.25	554.75	466.85	440.09	26.76	17.444		
3,400.00	3,286.22	3,117.25	3,073.35	18.48	13.57	-129.96	-110.08	553.21	523.69	495.97	27.72	18.894		
3,500.00	3,381.90	3,197.56	3,147.54	19.06	13.97	-132.52	-79.39	551.56	580.20	551.82	28.38	20.441		
3,600.00	3,477.59	3,287.97	3,231.09	19.64	14.42	-134.91	-44.90	549.42	637.40	608.08	29.33	21.736		
3,700.00	3,573.28	3,389.23	3,325.79	20.22	14.92	-137.10	-9.14	547.30	692.57	662.06	30.50	22.706		
3,800.00	3,668.96	3,490.83	3,421.70	20.80	15.43	-138.93	24.32	545.38	746.09	714.45	31.65	23.576		
3,900.00	3,764.65	3,594.16	3,520.03	21.38	15.94	-140.34	56.03	545.63	797.73	764.93	32.80	24.319		
4,000.00	3,860.33	3,667.30	3,589.68	21.96	16.31	-141.03	78.21	548.24	848.92	815.53	33.39	25.421		
4,100.00	3,956.02	3,731.61	3,650.45	22.54	16.63	-141.54	99.08	550.91	902.00	868.17	33.83	26.661		
4,200.00	4,051.71	3,797.00	3,711.75	23.13	16.97	-142.05	121.75	552.78	957.20	922.90	34.30	27.906		
4,300.00	4,147.39	3,844.09	3,755.49	23.71	17.22	-142.43	139.17	553.36	1,014.64	980.22	34.42	29.477		
4,400.00	4,243.08	3,889.00	3,796.79	24.29	17.45	-142.80	156.82	553.25	1,074.57	1,040.08	34.50	31.148		
4,500.00	4,338.77	3,943.73	3,846.57	24.88	17.75	-143.26	179.54	552.27	1,136.67	1,101.87	34.79	32.669		
4,600.00	4,434.45	3,981.00	3,880.13	25.46	17.96	-143.58	195.70	551.07	1,200.83	1,166.09	34.74	34.568		
4,700.00	4,530.14	4,033.96	3,927.25	26.04	18.26	-144.02	219.77	548.77	1,266.83	1,231.80	35.03	36.163		
4,800.00	4,625.83	4,074.00	3,962.36	26.63	18.48	-144.34	238.88	546.61	1,334.82	1,299.75	35.07	38.061		
4,900.00	4,721.51	4,126.82	4,008.21	27.21	18.79	-144.75	264.94	543.47	1,404.26	1,368.86	35.40	39.666		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,188.16	4,061.00	27.80	19.15	-145.18	295.94	539.71	1,474.71	1,438.78	35.93	41.046		
5,100.00	4,912.89	4,548.93	4,385.51	28.38	21.22	-147.22	451.33	523.56	1,541.70	1,499.85	41.85	36.841		
5,200.00	5,008.57	4,690.59	4,519.72	28.97	21.98	-147.96	496.36	518.50	1,596.30	1,552.77	43.53	36.668		
5,300.00	5,104.26	4,796.70	4,621.13	29.55	22.54	-148.44	527.49	515.98	1,648.56	1,603.89	44.67	36.903		
5,400.00	5,199.94	4,884.16	4,704.85	30.14	22.99	-148.82	552.69	513.71	1,700.53	1,654.98	45.55	37.332		
5,500.00	5,295.63	4,970.45	4,787.45	30.72	23.44	-149.16	577.55	511.76	1,752.47	1,706.05	46.42	37.756		
5,600.00	5,391.32	5,054.62	4,868.02	31.31	23.88	-149.45	601.89	510.34	1,804.41	1,757.15	47.25	38.185		
5,700.00	5,487.00	5,110.00	4,920.95	31.90	24.18	-149.61	618.17	510.15	1,856.70	1,808.99	47.71	38.916		
5,800.00	5,582.69	5,165.99	4,974.14	32.48	24.48	-149.73	635.62	510.52	1,910.31	1,862.13	48.18	39.650		
5,900.00	5,678.38	5,204.00	5,009.91	33.07	24.68	-149.80	648.47	511.00	1,965.88	1,917.49	48.39	40.628		
6,000.00	5,774.06	5,260.15	5,062.38	33.65	24.99	-149.87	668.45	511.84	2,022.91	1,974.05	48.86	41.403		
6,100.00	5,869.75	5,317.48	5,115.61	34.24	25.31	-149.94	689.71	512.65	2,081.14	2,031.79	49.35	42.171		
6,200.00	5,965.44	5,391.49	5,184.16	34.83	25.73	-150.02	717.58	513.75	2,139.88	2,089.79	50.10	42.716		
6,300.00	6,061.12	5,552.36	5,334.66	35.41	26.62	-150.22	774.35	515.76	2,196.12	2,144.04	52.09	42.164		
6,400.00	6,156.81	5,687.38	5,461.90	36.00	27.36	-150.38	819.45	518.01	2,251.34	2,197.70	53.65	41.965		
6,500.00	6,252.50	5,754.90	5,525.71	36.59	27.73	-150.46	841.51	519.14	2,305.79	2,251.50	54.30	42.465		
6,600.00	6,348.18	5,804.92	5,572.89	37.18	28.00	-150.53	858.09	519.64	2,360.91	2,306.19	54.72	43.149		
6,636.04	6,382.67	5,821.13	5,588.13	37.39	28.09	-150.55	863.64	519.75	2,381.09	2,326.26	54.84	43.419		
6,650.00	6,396.05	5,827.39	5,594.00	37.47	28.13	-154.67	865.80	519.79	2,388.93	2,334.05	54.89	43.525		
6,700.00	6,444.38	5,861.00	5,625.46	37.74	28.31	-172.15	877.62	519.93	2,416.80	2,361.60	55.20	43.784		
6,750.00	6,493.07	5,882.74	5,645.77	37.98	28.44	166.50	885.38	519.95	2,444.00	2,388.67	55.33	44.170		
6,800.00	6,541.82	5,926.23	5,686.43	38.18	28.68	144.49	900.82	519.84	2,470.26	2,414.50	55.76	44.304		
6,850.00	6,590.35	5,965.49	5,723.15	38.35	28.90	125.77	914.70	519.56	2,495.38	2,439.26	56.12	44.465		
6,900.00	6,638.34	5,995.24	5,750.95	38.50	29.07	111.63	925.29	519.29	2,519.39	2,463.04	56.35	44.708		
6,950.00	6,685.50	6,024.34	5,778.10	38.64	29.23	101.33	935.78	519.00	2,542.28	2,485.69	56.58	44.929		
7,000.00	6,731.54	6,054.11	5,805.81	38.77	29.40	93.73	946.62	518.68	2,563.94	2,507.10	56.84	45.109		
7,050.00	6,776.18	6,092.87	5,841.90	38.90	29.62	88.12	960.76	518.13	2,584.23	2,526.99	57.24	45.148		
7,100.00	6,819.14	6,130.51	5,876.96	39.03	29.84	83.81	974.43	517.41	2,603.02	2,545.37	57.65	45.153		
7,150.00	6,860.16	6,223.70	5,964.12	39.16	30.36	81.34	1,007.36	515.36	2,620.05	2,561.20	58.84	44.525		
7,200.00	6,898.98	6,263.74	6,001.78	39.31	30.59	78.83	1,020.92	514.44	2,634.97	2,575.62	59.35	44.396		
7,250.00	6,935.36	6,291.65	6,028.03	39.47	30.74	76.67	1,030.36	513.55	2,648.48	2,588.74	59.74	44.331		
7,300.00	6,969.08	6,318.09	6,052.89	39.65	30.89	74.95	1,039.30	512.52	2,660.58	2,600.41	60.17	44.218		
7,350.00	6,999.94	6,332.00	6,065.97	39.85	30.97	73.37	1,044.00	511.89	2,671.30	2,610.81	60.49	44.161		
7,400.00	7,027.74	6,352.26	6,084.98	40.08	31.08	72.22	1,050.92	510.97	2,680.67	2,619.71	60.96	43.972		
7,450.00	7,052.31	6,364.36	6,096.32	40.34	31.15	71.20	1,055.11	510.43	2,688.76	2,627.36	61.40	43.791		
7,500.00	7,073.49	6,374.87	6,106.15	40.63	31.21	70.38	1,058.80	509.98	2,695.55	2,633.66	61.89	43.554		
7,550.00	7,091.17	6,383.75	6,114.45	40.95	31.26	69.74	1,061.94	509.60	2,701.03	2,638.60	62.44	43.260		
7,600.00	7,105.22	6,390.97	6,121.19	41.31	31.30	69.27	1,064.51	509.30	2,705.23	2,642.19	63.04	42.915		
7,650.00	7,115.57	6,396.52	6,126.37	41.71	31.33	68.96	1,066.50	509.07	2,708.13	2,644.44	63.69	42.521		
7,700.00	7,122.15	6,400.38	6,129.97	42.15	31.35	68.78	1,067.89	508.91	2,709.75	2,645.37	64.39	42.086		
7,750.00	7,124.91	6,402.55	6,131.99	42.62	31.37	68.75	1,068.67	508.83	2,710.10	2,644.98	65.12	41.616		
7,759.54	7,125.00	6,402.77	6,132.20	42.72	31.37	68.76	1,068.75	508.82	2,710.02	2,644.75	65.26	41.524		
7,788.52	7,125.07	6,403.35	6,132.74	43.01	31.37	68.77	1,068.96	508.79	2,709.86	2,644.15	65.71	41.238		
7,800.00	7,125.10	6,403.58	6,132.95	43.13	31.37	68.77	1,069.04	508.78	2,709.89	2,644.00	65.89	41.128		
7,900.00	7,125.34	6,405.57	6,134.80	44.28	31.38	68.82	1,069.76	508.70	2,712.15	2,644.61	67.54	40.154		
8,000.00	7,125.58	6,407.54	6,136.64	45.61	31.39	68.86	1,070.48	508.63	2,718.10	2,648.77	69.32	39.210		
8,100.00	7,125.82	6,409.49	6,138.45	47.10	31.41	68.90	1,071.18	508.55	2,727.69	2,656.50	71.19	38.314		
8,200.00	7,126.06	6,411.42	6,140.25	48.72	31.42	68.94	1,071.89	508.47	2,740.90	2,667.77	73.13	37.479		
8,300.00	7,126.30	6,433.00	6,160.30	50.48	31.54	69.39	1,079.82	507.64	2,757.82	2,682.43	75.38	36.585		
8,400.00	7,126.54	6,433.00	6,160.30	52.34	31.54	69.39	1,079.82	507.64	2,778.06	2,700.71	77.35	35.916		
8,500.00	7,126.78	6,433.00	6,160.30	54.30	31.54	69.39	1,079.82	507.64	2,801.73	2,722.42	79.31	35.324		
8,600.00	7,127.02	6,433.00	6,160.30	56.35	31.54	69.39	1,079.82	507.64	2,828.74	2,747.48	81.26	34.811		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	6,433.00	6,160.30	58.47	31.54	69.39	1,079.82	507.64	2,858.99	2,775.82	83.17	34.374		
8,800.00	7,127.50	6,433.00	6,160.30	60.66	31.54	69.39	1,079.82	507.64	2,892.39	2,807.35	85.04	34.011		
8,900.00	7,127.74	6,433.00	6,160.30	62.90	31.54	69.39	1,079.82	507.64	2,928.82	2,841.96	86.86	33.719		
9,000.00	7,127.98	6,433.00	6,160.30	65.19	31.54	69.39	1,079.82	507.64	2,968.18	2,879.56	88.61	33.496		
9,100.00	7,128.22	6,433.00	6,160.30	67.53	31.54	69.39	1,079.82	507.64	3,010.34	2,920.04	90.30	33.337		
9,200.00	7,128.46	6,433.00	6,160.30	69.92	31.54	69.39	1,079.82	507.64	3,055.20	2,963.28	91.92	33.238		
9,300.00	7,128.70	6,433.00	6,160.30	72.33	31.54	69.39	1,079.82	507.64	3,102.63	3,009.16	93.47	33.195		
9,400.00	7,128.94	6,433.00	6,160.30	74.78	31.54	69.39	1,079.82	507.64	3,152.52	3,057.58	94.94	33.205		
9,500.00	7,129.18	6,433.00	6,160.30	77.26	31.54	69.39	1,079.82	507.64	3,204.75	3,108.41	96.34	33.265		
9,600.00	7,129.42	6,433.00	6,160.30	79.76	31.54	69.39	1,079.82	507.64	3,259.22	3,161.55	97.67	33.371		
9,700.00	7,129.66	6,433.00	6,160.30	82.29	31.54	69.39	1,079.82	507.64	3,315.81	3,216.89	98.92	33.519		
9,800.00	7,129.90	6,433.00	6,160.30	84.84	31.54	69.39	1,079.82	507.64	3,374.41	3,274.30	100.11	33.707		
9,900.00	7,130.14	6,433.00	6,160.30	87.41	31.54	69.39	1,079.82	507.64	3,434.93	3,333.70	101.23	33.931		
10,000.00	7,130.38	6,433.00	6,160.30	90.00	31.54	69.39	1,079.82	507.64	3,497.26	3,394.97	102.29	34.191		
10,100.00	7,130.62	6,433.00	6,160.30	92.60	31.54	69.39	1,079.82	507.64	3,561.31	3,458.02	103.28	34.482		
10,200.00	7,130.86	6,449.29	6,175.40	95.22	31.63	69.74	1,085.89	507.05	3,626.91	3,522.46	104.45	34.723		
10,300.00	7,131.09	6,451.19	6,177.16	97.85	31.64	69.78	1,086.60	506.98	3,694.11	3,588.75	105.36	35.062		
10,400.00	7,131.33	6,453.08	6,178.91	100.50	31.66	69.82	1,087.31	506.91	3,762.76	3,656.55	106.21	35.427		
10,500.00	7,131.57	6,454.94	6,180.64	103.16	31.67	69.86	1,088.01	506.84	3,832.79	3,725.78	107.01	35.816		
10,600.00	7,131.81	6,456.78	6,182.34	105.82	31.68	69.90	1,088.70	506.78	3,904.13	3,796.36	107.77	36.227		
10,700.00	7,132.05	6,458.61	6,184.03	108.50	31.69	69.94	1,089.39	506.72	3,976.70	3,868.22	108.48	36.659		
10,800.00	7,132.29	6,460.41	6,185.70	111.19	31.70	69.97	1,090.06	506.65	4,050.44	3,941.29	109.15	37.110		
10,900.00	7,132.53	6,462.20	6,187.35	113.88	31.71	70.01	1,090.74	506.59	4,125.28	4,015.50	109.78	37.579		
11,000.00	7,132.77	6,463.96	6,188.99	116.58	31.72	70.05	1,091.40	506.53	4,201.16	4,090.80	110.37	38.065		
11,100.00	7,133.01	6,465.71	6,190.61	119.29	31.73	70.09	1,092.06	506.47	4,278.04	4,167.12	110.92	38.567		
11,200.00	7,133.25	6,467.44	6,192.21	122.01	31.74	70.12	1,092.71	506.41	4,355.86	4,244.41	111.45	39.084		
11,300.00	7,133.49	6,469.15	6,193.79	124.73	31.75	70.16	1,093.36	506.35	4,434.56	4,322.62	111.94	39.615		
11,400.00	7,133.73	6,470.84	6,195.36	127.46	31.76	70.19	1,094.00	506.30	4,514.10	4,401.70	112.41	40.159		
11,500.00	7,133.97	6,472.52	6,196.91	130.19	31.77	70.23	1,094.64	506.24	4,594.45	4,481.60	112.84	40.715		
11,600.00	7,134.21	6,474.18	6,198.44	132.93	31.78	70.26	1,095.26	506.18	4,675.55	4,562.29	113.26	41.282		
11,700.00	7,134.45	6,475.82	6,199.96	135.68	31.79	70.30	1,095.89	506.13	4,757.37	4,643.72	113.65	41.860		
11,800.00	7,134.69	6,477.44	6,201.46	138.43	31.80	70.33	1,096.50	506.07	4,839.87	4,725.85	114.02	42.448		
11,900.00	7,134.93	6,479.05	6,202.95	141.18	31.81	70.37	1,097.11	506.02	4,923.02	4,808.65	114.37	43.046		
12,000.00	7,135.17	6,480.65	6,204.42	143.94	31.82	70.40	1,097.72	505.97	5,006.78	4,892.08	114.70	43.653		
12,100.00	7,135.41	6,482.22	6,205.88	146.70	31.83	70.43	1,098.32	505.92	5,091.13	4,976.12	115.01	44.268		
12,200.00	7,135.65	6,483.78	6,207.32	149.46	31.83	70.47	1,098.91	505.87	5,176.03	5,060.73	115.30	44.891		
12,300.00	7,135.89	6,485.33	6,208.75	152.23	31.84	70.50	1,099.50	505.82	5,261.47	5,145.89	115.58	45.521		
12,400.00	7,136.13	6,486.86	6,210.16	155.00	31.85	70.53	1,100.09	505.77	5,347.41	5,231.56	115.85	46.159		
12,500.00	7,136.37	6,488.38	6,211.56	157.78	31.86	70.56	1,100.66	505.72	5,433.83	5,317.73	116.10	46.803		
12,600.00	7,136.61	6,489.88	6,212.95	160.55	31.87	70.60	1,101.24	505.67	5,520.71	5,404.37	116.34	47.454		
12,700.00	7,136.85	6,491.36	6,214.32	163.33	31.88	70.63	1,101.81	505.62	5,608.02	5,491.45	116.57	48.110		
12,800.00	7,137.09	6,492.83	6,215.68	166.12	31.89	70.66	1,102.37	505.58	5,695.75	5,578.97	116.78	48.772		
12,900.00	7,137.33	6,494.29	6,217.03	168.90	31.90	70.69	1,102.93	505.53	5,783.88	5,666.89	116.99	49.439		
13,000.00	7,137.57	6,495.74	6,218.36	171.69	31.90	70.72	1,103.48	505.48	5,872.39	5,755.20	117.19	50.111		
13,100.00	7,137.81	6,497.17	6,219.68	174.48	31.91	70.75	1,104.03	505.44	5,961.26	5,843.88	117.37	50.788		
13,200.00	7,138.05	6,498.58	6,220.99	177.27	31.92	70.78	1,104.57	505.40	6,050.47	5,932.92	117.55	51.470		
13,300.00	7,138.29	6,499.98	6,222.28	180.07	31.93	70.81	1,105.11	505.35	6,140.02	6,022.30	117.73	52.156		
13,400.00	7,138.53	6,501.37	6,223.57	182.86	31.94	70.84	1,105.64	505.31	6,229.89	6,112.00	117.89	52.845		
13,500.00	7,138.77	6,502.75	6,224.84	185.66	31.94	70.87	1,106.17	505.27	6,320.06	6,202.01	118.05	53.539		
13,600.00	7,139.01	6,504.12	6,226.09	188.46	31.95	70.90	1,106.70	505.23	6,410.52	6,292.32	118.20	54.236		
13,700.00	7,139.25	6,505.47	6,227.34	191.26	31.96	70.92	1,107.22	505.18	6,501.26	6,382.92	118.34	54.936		
13,800.00	7,139.49	6,526.00	6,246.27	194.06	32.08	71.36	1,115.16	504.58	6,592.33	6,473.57	118.76	55.510		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	6,526.00	6,246.27	196.87	32.08	71.36	1,115.16	504.58	6,683.58	6,564.71	118.87	56.224		
14,000.00	7,139.97	6,526.00	6,246.27	199.68	32.08	71.36	1,115.16	504.58	6,775.08	6,656.10	118.98	56.941		
14,100.00	7,140.21	6,526.00	6,246.27	202.48	32.08	71.36	1,115.16	504.58	6,866.82	6,747.73	119.09	57.662		
14,200.00	7,140.45	6,526.00	6,246.27	205.29	32.08	71.36	1,115.16	504.58	6,958.79	6,839.60	119.19	58.385		
14,300.00	7,140.69	6,526.00	6,246.27	208.10	32.08	71.36	1,115.16	504.58	7,050.97	6,931.69	119.29	59.110		
14,400.00	7,140.93	6,526.00	6,246.27	210.91	32.08	71.36	1,115.16	504.58	7,143.37	7,023.99	119.38	59.838		
14,500.00	7,141.17	6,526.00	6,246.27	213.73	32.08	71.36	1,115.16	504.58	7,235.97	7,116.50	119.47	60.568		
14,600.00	7,141.41	6,526.00	6,246.27	216.54	32.08	71.36	1,115.16	504.58	7,328.76	7,209.20	119.55	61.301		
14,700.00	7,141.65	6,526.00	6,246.27	219.36	32.08	71.36	1,115.16	504.58	7,421.74	7,302.10	119.64	62.035		
14,800.00	7,141.89	6,526.00	6,246.27	222.17	32.08	71.36	1,115.16	504.58	7,514.90	7,395.18	119.72	62.772		
14,900.00	7,142.13	6,526.00	6,246.27	224.99	32.08	71.36	1,115.16	504.58	7,608.23	7,488.43	119.80	63.510		
15,000.00	7,142.36	6,526.00	6,246.27	227.81	32.08	71.36	1,115.16	504.58	7,701.73	7,581.86	119.87	64.250		
15,100.00	7,142.60	6,526.00	6,246.27	230.63	32.08	71.36	1,115.16	504.58	7,795.39	7,675.45	119.94	64.992		
15,200.00	7,142.84	6,526.00	6,246.27	233.45	32.08	71.36	1,115.16	504.58	7,889.21	7,769.20	120.01	65.735		
15,300.00	7,143.08	6,526.00	6,246.27	236.27	32.08	71.36	1,115.16	504.58	7,983.18	7,863.10	120.08	66.480		
15,400.00	7,143.32	6,527.85	6,247.97	239.09	32.09	71.40	1,115.88	504.53	8,077.29	7,957.11	120.18	67.212		
15,500.00	7,143.56	6,531.01	6,250.88	241.91	32.11	71.46	1,117.10	504.44	8,171.54	8,051.25	120.29	67.933		
15,600.00	7,143.80	6,534.08	6,253.71	244.73	32.13	71.53	1,118.29	504.35	8,265.93	8,145.53	120.40	68.657		
15,700.00	7,144.04	6,537.06	6,256.46	247.56	32.14	71.59	1,119.44	504.27	8,360.44	8,239.94	120.50	69.381		
15,800.00	7,144.28	6,539.97	6,259.14	250.38	32.16	71.65	1,120.56	504.19	8,455.08	8,334.48	120.60	70.108		
15,900.00	7,144.52	6,542.80	6,261.75	253.21	32.18	71.71	1,121.64	504.12	8,549.84	8,429.14	120.70	70.835		
16,000.00	7,144.76	6,545.55	6,264.30	256.03	32.19	71.77	1,122.70	504.05	8,644.72	8,523.92	120.80	71.563		
16,100.00	7,145.00	6,548.24	6,266.78	258.86	32.21	71.82	1,123.72	503.98	8,739.72	8,618.82	120.89	72.293		
16,200.00	7,145.24	6,550.86	6,269.20	261.69	32.22	71.88	1,124.72	503.91	8,834.82	8,713.83	120.99	73.024		
16,300.00	7,145.48	6,553.41	6,271.56	264.52	32.24	71.93	1,125.69	503.85	8,930.03	8,808.95	121.08	73.755		
16,400.00	7,145.72	6,555.90	6,273.87	267.35	32.25	71.99	1,126.63	503.78	9,025.34	8,904.17	121.16	74.488		
16,500.00	7,145.96	6,558.33	6,276.11	270.18	32.27	72.04	1,127.55	503.72	9,120.75	8,999.50	121.25	75.222		
16,600.00	7,146.20	6,560.70	6,278.31	273.01	32.28	72.09	1,128.44	503.67	9,216.26	9,094.92	121.34	75.956		
16,700.00	7,146.44	6,563.01	6,280.45	275.84	32.29	72.13	1,129.31	503.61	9,311.86	9,190.44	121.42	76.691		
16,800.00	7,146.68	6,565.27	6,282.55	278.67	32.31	72.18	1,130.16	503.56	9,407.55	9,286.05	121.50	77.427		
16,900.00	7,146.92	6,567.48	6,284.59	281.50	32.32	72.23	1,130.98	503.50	9,503.33	9,381.75	121.58	78.163		
17,000.00	7,147.16	6,569.64	6,286.59	284.33	32.33	72.27	1,131.79	503.45	9,599.20	9,477.53	121.66	78.900		
17,100.00	7,147.40	6,571.74	6,288.55	287.16	32.34	72.32	1,132.57	503.41	9,695.15	9,573.40	121.74	79.638		
17,200.00	7,147.64	6,573.80	6,290.46	290.00	32.36	72.36	1,133.34	503.36	9,791.18	9,669.36	121.82	80.376		
17,300.00	7,147.88	6,575.82	6,292.33	292.83	32.37	72.40	1,134.09	503.31	9,887.28	9,765.39	121.89	81.115		
17,400.00	7,148.12	6,577.79	6,294.16	295.66	32.38	72.45	1,134.82	503.27	9,983.47	9,861.50	121.97	81.854		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.35	45.17	0.28	45.17					
100.00	100.00	100.00	100.00	3.28	3.28	0.35	45.17	0.28	45.17	38.60	6.57	6.876		
200.00	200.00	200.00	200.00	3.34	3.34	0.35	45.17	0.28	45.17	38.50	6.67	6.768 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-138.35	45.17	0.28	46.46	39.57	6.89	6.748		
400.00	399.84	400.94	400.92	3.59	3.60	-140.72	44.15	1.73	49.38	42.18	7.19	6.863		
500.00	499.45	502.01	501.85	3.80	3.80	-142.20	41.09	6.11	52.86	45.26	7.60	6.957		
600.00	598.70	603.19	602.62	4.04	4.04	-142.90	35.98	13.41	56.85	48.76	8.09	7.028		
700.00	697.47	704.45	703.11	4.32	4.31	-142.95	28.82	23.63	61.33	52.67	8.66	7.084		
800.00	795.62	805.80	803.17	4.65	4.63	-142.48	19.63	36.76	66.28	56.99	9.29	7.132		
900.00	893.06	907.22	902.68	5.01	4.98	-141.60	8.40	52.80	71.71	61.72	9.99	7.179		
1,000.00	989.64	1,008.70	1,001.49	5.42	5.36	-140.42	-4.85	71.72	77.63	66.89	10.74	7.227		
1,044.50	1,032.32	1,052.94	1,044.42	5.61	5.54	-140.11	-10.99	80.48	80.74	69.66	11.09	7.283		
1,100.00	1,085.43	1,108.28	1,098.12	5.86	5.77	-139.97	-18.66	91.44	84.94	73.41	11.53	7.367		
1,200.00	1,181.11	1,207.99	1,194.87	6.33	6.20	-139.75	-32.50	111.20	92.51	80.15	12.36	7.486		
1,300.00	1,276.80	1,307.71	1,291.62	6.81	6.65	-139.57	-46.34	130.96	100.08	86.86	13.22	7.571		
1,400.00	1,372.49	1,407.42	1,388.37	7.31	7.11	-139.41	-60.17	150.72	107.64	93.54	14.11	7.631		
1,500.00	1,468.17	1,507.13	1,485.12	7.83	7.58	-139.28	-74.01	170.48	115.21	100.20	15.02	7.673		
1,600.00	1,563.86	1,606.85	1,581.87	8.35	8.06	-139.16	-87.85	190.24	122.78	106.84	15.94	7.701		
1,700.00	1,659.55	1,706.56	1,678.63	8.88	8.55	-139.05	-101.68	210.00	130.35	113.47	16.89	7.720		
1,800.00	1,755.23	1,806.27	1,775.38	9.42	9.04	-138.96	-115.52	229.76	137.92	120.08	17.84	7.730		
1,900.00	1,850.92	1,905.98	1,872.13	9.97	9.54	-138.87	-129.35	249.52	145.49	126.69	18.81	7.735		
2,000.00	1,946.61	2,005.70	1,968.88	10.52	10.05	-138.79	-143.19	269.28	153.07	133.28	19.78	7.736		
2,100.00	2,042.29	2,105.41	2,065.63	11.07	10.55	-138.73	-157.03	289.04	160.64	139.87	20.77	7.734		
2,200.00	2,137.98	2,205.12	2,162.38	11.63	11.07	-138.66	-170.86	308.81	168.21	146.45	21.76	7.730		
2,300.00	2,233.67	2,304.84	2,259.13	12.19	11.58	-138.61	-184.70	328.57	175.78	153.02	22.76	7.724		
2,400.00	2,329.35	2,404.55	2,355.88	12.76	12.10	-138.55	-198.54	348.33	183.35	159.59	23.76	7.717		
2,500.00	2,425.04	2,504.26	2,452.63	13.32	12.62	-138.50	-212.37	368.09	190.92	166.16	24.77	7.709		
2,600.00	2,520.72	2,603.97	2,549.38	13.89	13.14	-138.46	-226.21	387.85	198.50	172.72	25.78	7.700		
2,700.00	2,616.41	2,703.69	2,646.13	14.46	13.66	-138.42	-240.04	407.61	206.07	179.28	26.79	7.691		
2,800.00	2,712.10	2,803.40	2,742.89	15.03	14.19	-138.38	-253.88	427.37	213.64	185.83	27.81	7.682		
2,900.00	2,807.78	2,903.11	2,839.64	15.60	14.71	-138.34	-267.72	447.13	221.21	192.38	28.83	7.673		
3,000.00	2,903.47	3,002.82	2,936.39	16.18	15.24	-138.31	-281.55	466.89	228.79	198.93	29.85	7.663		
3,100.00	2,999.16	3,102.54	3,033.14	16.75	15.77	-138.28	-295.39	486.65	236.36	205.48	30.88	7.654		
3,200.00	3,094.84	3,202.25	3,129.89	17.33	16.30	-138.25	-309.23	506.41	243.93	212.02	31.91	7.645		
3,300.00	3,190.53	3,301.96	3,226.64	17.90	16.83	-138.22	-323.06	526.17	251.50	218.57	32.94	7.636		
3,400.00	3,286.22	3,401.68	3,323.39	18.48	17.36	-138.20	-336.90	545.93	259.08	225.11	33.97	7.627		
3,500.00	3,381.90	3,501.39	3,420.14	19.06	17.89	-138.17	-350.73	565.69	266.65	231.65	35.00	7.618		
3,600.00	3,477.59	3,601.10	3,516.89	19.64	18.42	-138.15	-364.57	585.45	274.22	238.19	36.04	7.610		
3,700.00	3,573.28	3,700.81	3,613.64	20.22	18.95	-138.13	-378.41	605.21	281.80	244.72	37.07	7.601		
3,800.00	3,668.96	3,800.53	3,710.39	20.80	19.49	-138.11	-392.24	624.97	289.37	251.26	38.11	7.593		
3,900.00	3,764.65	3,900.24	3,807.15	21.38	20.02	-138.09	-406.08	644.73	296.94	257.79	39.15	7.585		
4,000.00	3,860.33	4,000.05	3,903.90	21.96	20.56	-138.07	-419.91	664.49	304.51	264.33	40.19	7.577		
4,100.00	3,956.02	4,100.33	4,000.65	22.54	21.10	-138.05	-433.75	684.25	312.09	270.86	41.23	7.569		
4,200.00	4,051.71	4,200.62	4,097.40	23.13	21.63	-138.03	-447.59	704.01	319.66	277.39	42.27	7.562		
4,300.00	4,147.39	4,300.91	4,194.15	23.71	22.17	-138.02	-461.42	723.77	327.23	283.92	43.32	7.554		
4,400.00	4,243.08	4,398.80	4,290.90	24.29	22.70	-138.00	-475.26	743.53	334.81	290.46	44.35	7.549		
4,500.00	4,338.77	4,501.48	4,387.65	24.88	23.25	-137.99	-489.10	763.29	342.38	296.97	45.41	7.540		
4,600.00	4,434.45	4,598.23	4,484.40	25.46	23.77	-137.97	-502.93	783.05	349.95	303.51	46.44	7.536		
4,700.00	4,530.14	4,697.94	4,581.15	26.04	24.31	-137.96	-516.77	802.81	357.53	310.04	47.48	7.529		
4,800.00	4,625.83	4,802.35	4,677.90	26.63	24.87	-137.95	-530.60	822.57	365.10	316.55	48.55	7.520		
4,900.00	4,721.51	4,902.63	4,774.65	27.21	25.42	-137.93	-544.44	842.33	372.67	323.07	49.60	7.513		
5,000.00	4,817.20	5,002.92	4,871.41	27.80	25.96	-137.92	-558.28	862.09	380.25	329.60	50.65	7.507		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,103.21	4,968.16	28.38	26.50	-137.91	-572.11	881.85	387.82	336.12	51.70	7.501		
5,200.00	5,008.57	5,203.49	5,064.91	28.97	27.04	-137.90	-585.95	901.61	395.39	342.64	52.75	7.495		
5,300.00	5,104.26	5,303.78	5,161.66	29.55	27.58	-137.89	-599.79	921.37	402.97	349.16	53.80	7.490		
5,400.00	5,199.94	5,404.07	5,258.41	30.14	28.12	-137.88	-613.62	941.13	410.54	355.69	54.85	7.484		
5,500.00	5,295.63	5,495.64	5,355.16	30.72	28.62	-137.87	-627.46	960.89	418.11	362.25	55.86	7.485		
5,600.00	5,391.32	5,595.36	5,451.91	31.31	29.16	-137.86	-641.29	980.65	425.69	368.78	56.91	7.480		
5,700.00	5,487.00	5,704.93	5,548.66	31.90	29.75	-137.85	-655.13	1,000.41	433.26	375.25	58.01	7.469		
5,800.00	5,582.69	5,805.22	5,645.41	32.48	30.29	-137.84	-668.97	1,020.17	440.83	381.77	59.06	7.464		
5,900.00	5,678.38	5,905.50	5,742.16	33.07	30.84	-137.83	-682.80	1,039.93	448.41	388.29	60.11	7.459		
6,000.00	5,774.06	6,005.79	5,838.91	33.65	31.38	-137.82	-696.64	1,059.69	455.98	394.81	61.17	7.455		
6,100.00	5,869.75	6,106.08	5,935.66	34.24	31.92	-137.82	-710.48	1,079.45	463.55	401.33	62.22	7.450		
6,200.00	5,965.44	6,193.63	6,032.42	34.83	32.40	-137.81	-724.31	1,099.21	471.13	407.92	63.21	7.454		
6,300.00	6,061.12	6,306.65	6,129.17	35.41	33.01	-137.80	-738.15	1,118.97	478.70	414.37	64.33	7.442		
6,400.00	6,156.81	6,406.94	6,225.92	36.00	33.55	-137.79	-751.98	1,138.73	486.27	420.89	65.38	7.437		
6,500.00	6,252.50	6,507.23	6,322.67	36.59	34.10	-137.79	-765.82	1,158.49	493.85	427.41	66.44	7.433		
6,600.00	6,348.18	6,592.48	6,419.42	37.18	34.56	-137.78	-779.66	1,178.25	501.42	434.01	67.41	7.438		
6,636.04	6,382.67	6,628.42	6,454.29	37.39	34.75	-137.78	-784.64	1,185.37	504.15	436.36	67.79	7.437		
6,650.00	6,396.05	6,642.34	6,467.79	37.47	34.83	-141.14	-786.57	1,188.13	505.21	437.27	67.94	7.436		
6,700.00	6,444.38	6,692.30	6,516.46	37.74	35.09	-155.85	-793.54	1,196.98	509.06	440.59	68.47	7.435		
6,750.00	6,493.07	6,742.45	6,565.83	37.98	35.32	-174.60	-800.62	1,202.09	512.97	444.01	68.95	7.439		
6,800.00	6,541.82	6,792.77	6,615.61	38.18	35.53	165.66	-807.79	1,203.25	516.90	447.52	69.39	7.450		
6,850.00	6,590.35	6,843.27	6,665.50	38.35	35.70	148.97	-814.98	1,200.43	520.85	451.06	69.79	7.463		
6,900.00	6,638.34	6,893.94	6,715.17	38.50	35.86	136.69	-822.17	1,193.59	524.78	454.60	70.17	7.478		
6,950.00	6,685.50	6,944.78	6,764.32	38.64	36.01	128.03	-829.30	1,182.73	528.66	458.11	70.56	7.493		
7,000.00	6,731.54	6,995.80	6,812.61	38.77	36.17	121.86	-836.32	1,167.89	532.48	461.53	70.95	7.505		
7,050.00	6,776.18	7,046.99	6,859.72	38.90	36.33	117.35	-843.19	1,149.13	536.21	464.85	71.36	7.514		
7,100.00	6,819.14	7,098.35	6,905.34	39.03	36.50	113.95	-849.87	1,126.52	539.82	468.03	71.79	7.519		
7,150.00	6,860.16	7,149.88	6,949.13	39.16	36.68	111.32	-856.30	1,100.17	543.30	471.05	72.25	7.520		
7,200.00	6,898.98	7,201.55	6,990.79	39.31	36.88	109.25	-862.44	1,070.25	546.61	473.86	72.75	7.514		
7,250.00	6,935.36	7,253.38	7,030.02	39.47	37.10	107.58	-868.25	1,036.90	549.74	476.45	73.29	7.501		
7,300.00	6,969.08	7,305.33	7,066.52	39.65	37.35	106.22	-873.68	1,000.35	552.67	478.79	73.88	7.480		
7,350.00	6,999.94	7,357.42	7,100.02	39.85	37.63	105.10	-878.69	960.81	555.37	480.84	74.54	7.451		
7,400.00	7,027.74	7,409.61	7,130.28	40.08	37.94	104.18	-883.25	918.54	557.84	482.58	75.26	7.412		
7,450.00	7,052.31	7,461.89	7,157.04	40.34	38.30	103.41	-887.32	873.83	560.04	483.99	76.05	7.364		
7,500.00	7,073.49	7,514.25	7,180.12	40.63	38.69	102.78	-890.86	826.98	561.98	485.06	76.92	7.306		
7,550.00	7,091.17	7,566.67	7,199.32	40.95	39.13	102.27	-893.86	778.32	563.63	485.76	77.87	7.238		
7,600.00	7,105.22	7,619.13	7,214.51	41.31	39.61	101.87	-896.29	728.18	564.99	486.10	78.90	7.161		
7,650.00	7,115.57	7,671.60	7,225.57	41.71	40.13	101.55	-898.12	676.93	566.05	486.06	79.99	7.076		
7,700.00	7,122.15	7,724.08	7,232.40	42.15	40.69	101.33	-899.36	624.93	566.80	485.64	81.16	6.984		
7,750.00	7,124.91	7,776.54	7,234.98	42.62	41.27	101.20	-899.98	572.55	567.23	484.86	82.37	6.886		
7,759.54	7,125.00	7,786.26	7,235.02	42.72	41.38	101.18	-900.03	562.83	567.28	484.67	82.61	6.867		
7,800.00	7,125.10	7,826.72	7,235.10	43.13	41.88	101.18	-900.23	522.37	567.47	483.81	83.66	6.783		
7,900.00	7,125.34	7,926.72	7,235.31	44.28	43.20	101.17	-900.74	422.37	567.95	481.52	86.43	6.571		
8,000.00	7,125.58	8,026.72	7,235.53	45.61	44.67	101.15	-901.25	322.37	568.43	478.96	89.47	6.353		
8,100.00	7,125.82	8,126.72	7,235.74	47.10	46.27	101.14	-901.76	222.38	568.91	476.16	92.75	6.134		
8,200.00	7,126.06	8,226.72	7,235.95	48.72	48.01	101.13	-902.27	122.38	569.39	473.14	96.25	5.916		
8,300.00	7,126.30	8,326.72	7,236.17	50.48	49.85	101.12	-902.78	22.38	569.87	469.93	99.94	5.702		
8,400.00	7,126.54	8,426.72	7,236.38	52.34	51.79	101.10	-903.28	-77.62	570.34	466.54	103.80	5.494		
8,500.00	7,126.78	8,526.72	7,236.59	54.30	53.82	101.09	-903.79	-177.61	570.82	463.00	107.82	5.294		
8,600.00	7,127.02	8,626.71	7,236.81	56.35	55.92	101.08	-904.30	-277.61	571.30	459.32	111.98	5.102		
8,700.00	7,127.26	8,726.71	7,237.02	58.47	58.09	101.07	-904.81	-377.61	571.78	455.52	116.26	4.918		
8,800.00	7,127.50	8,826.71	7,237.23	60.66	60.31	101.06	-905.32	-477.60	572.26	451.61	120.65	4.743		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,926.71	7,237.44	62.90	62.60	101.04	-905.83	-577.60	572.74	447.60	125.14	4.577		
9,000.00	7,127.98	9,026.71	7,237.66	65.19	64.92	101.03	-906.33	-677.60	573.22	443.50	129.72	4.419		
9,100.00	7,128.22	9,126.71	7,237.87	67.53	67.29	101.02	-906.84	-777.60	573.70	439.32	134.38	4.269		
9,200.00	7,128.46	9,226.71	7,238.08	69.92	69.70	101.01	-907.35	-877.59	574.18	435.07	139.10	4.128		
9,300.00	7,128.70	9,326.71	7,238.30	72.33	72.14	101.00	-907.86	-977.59	574.66	430.76	143.90	3.993		
9,400.00	7,128.94	9,426.70	7,238.51	74.78	74.61	100.98	-908.37	-1,077.59	575.13	426.38	148.75	3.866		
9,500.00	7,129.18	9,526.70	7,238.72	77.26	77.11	100.97	-908.87	-1,177.59	575.61	421.96	153.65	3.746		
9,600.00	7,129.42	9,626.70	7,238.94	79.76	79.63	100.96	-909.38	-1,277.58	576.09	417.49	158.61	3.632		
9,700.00	7,129.66	9,726.70	7,239.15	82.29	82.18	100.95	-909.89	-1,377.58	576.57	412.97	163.60	3.524		
9,800.00	7,129.90	9,826.70	7,239.36	84.84	84.75	100.94	-910.40	-1,477.58	577.05	408.41	168.64	3.422		
9,900.00	7,130.14	9,926.70	7,239.57	87.41	87.33	100.92	-910.91	-1,577.57	577.53	403.82	173.71	3.325		
10,000.00	7,130.38	10,026.70	7,239.79	90.00	89.93	100.91	-911.42	-1,677.57	578.01	399.19	178.82	3.232		
10,100.00	7,130.62	10,126.70	7,240.00	92.60	92.55	100.90	-911.92	-1,777.57	578.49	394.53	183.96	3.145		
10,200.00	7,130.86	10,226.70	7,240.21	95.22	95.18	100.89	-912.43	-1,877.57	578.97	389.85	189.12	3.061		
10,300.00	7,131.09	10,326.69	7,240.43	97.85	97.82	100.88	-912.94	-1,977.56	579.45	385.14	194.31	2.982		
10,400.00	7,131.33	10,426.69	7,240.64	100.50	100.48	100.86	-913.45	-2,077.56	579.93	380.40	199.53	2.907		
10,500.00	7,131.57	10,526.69	7,240.85	103.16	103.14	100.85	-913.96	-2,177.56	580.41	375.64	204.76	2.835		
10,600.00	7,131.81	10,626.69	7,241.07	105.82	105.82	100.84	-914.47	-2,277.56	580.89	370.87	210.02	2.766		
10,700.00	7,132.05	10,726.69	7,241.28	108.50	108.50	100.83	-914.97	-2,377.55	581.37	366.07	215.30	2.700		
10,800.00	7,132.29	10,826.69	7,241.49	111.19	111.20	100.82	-915.48	-2,477.55	581.85	361.26	220.59	2.638		
10,900.00	7,132.53	10,926.69	7,241.70	113.88	113.90	100.81	-915.99	-2,577.55	582.33	356.42	225.90	2.578		
11,000.00	7,132.77	11,026.69	7,241.92	116.58	116.61	100.79	-916.50	-2,677.54	582.80	351.58	231.23	2.520		
11,100.00	7,133.01	11,126.68	7,242.13	119.29	119.33	100.78	-917.01	-2,777.54	583.28	346.72	236.57	2.466		
11,200.00	7,133.25	11,226.68	7,242.34	122.01	122.05	100.77	-917.51	-2,877.54	583.76	341.84	241.92	2.413		
11,300.00	7,133.49	11,326.68	7,242.56	124.73	124.78	100.76	-918.02	-2,977.54	584.24	336.96	247.29	2.363		
11,400.00	7,133.73	11,426.68	7,242.77	127.46	127.52	100.75	-918.53	-3,077.53	584.72	332.06	252.66	2.314		
11,500.00	7,133.97	11,526.68	7,242.98	130.19	130.26	100.74	-919.04	-3,177.53	585.20	327.15	258.05	2.268		
11,600.00	7,134.21	11,626.68	7,243.20	132.93	133.00	100.72	-919.55	-3,277.53	585.68	322.23	263.45	2.223		
11,700.00	7,134.45	11,726.68	7,243.41	135.68	135.75	100.71	-920.06	-3,377.53	586.16	317.30	268.86	2.180		
11,800.00	7,134.69	11,826.68	7,243.62	138.43	138.51	100.70	-920.56	-3,477.52	586.64	312.36	274.28	2.139		
11,900.00	7,134.93	11,926.67	7,243.83	141.18	141.26	100.69	-921.07	-3,577.52	587.12	307.41	279.71	2.099		
12,000.00	7,135.17	12,026.67	7,244.05	143.94	144.03	100.68	-921.58	-3,677.52	587.60	302.46	285.14	2.061		
12,100.00	7,135.41	12,126.67	7,244.26	146.70	146.79	100.67	-922.09	-3,777.51	588.08	297.49	290.59	2.024		
12,200.00	7,135.65	12,226.67	7,244.47	149.46	149.56	100.66	-922.60	-3,877.51	588.56	292.52	296.04	1.988		
12,300.00	7,135.89	12,326.67	7,244.69	152.23	152.34	100.64	-923.11	-3,977.51	589.04	287.54	301.50	1.954		
12,400.00	7,136.13	12,426.67	7,244.90	155.00	155.11	100.63	-923.61	-4,077.51	589.52	282.56	306.96	1.921		
12,500.00	7,136.37	12,526.67	7,245.11	157.78	157.89	100.62	-924.12	-4,177.50	590.00	277.57	312.43	1.888		
12,600.00	7,136.61	12,626.67	7,245.33	160.55	160.67	100.61	-924.63	-4,277.50	590.48	272.57	317.91	1.857		
12,700.00	7,136.85	12,726.66	7,245.54	163.33	163.46	100.60	-925.14	-4,377.50	590.96	267.57	323.39	1.827		
12,800.00	7,137.09	12,826.66	7,245.75	166.12	166.24	100.59	-925.65	-4,477.50	591.44	262.56	328.88	1.798		
12,900.00	7,137.33	12,926.66	7,245.96	168.90	169.03	100.58	-926.16	-4,577.49	591.92	257.55	334.37	1.770		
13,000.00	7,137.57	13,026.66	7,246.18	171.69	171.83	100.56	-926.66	-4,677.49	592.40	252.53	339.87	1.743		
13,100.00	7,137.81	13,126.66	7,246.39	174.48	174.62	100.55	-927.17	-4,777.49	592.88	247.51	345.38	1.717		
13,200.00	7,138.05	13,226.66	7,246.60	177.27	177.42	100.54	-927.68	-4,877.48	593.36	242.48	350.88	1.691		
13,300.00	7,138.29	13,326.66	7,246.82	180.07	180.21	100.53	-928.19	-4,977.48	593.84	237.45	356.40	1.666		
13,400.00	7,138.53	13,426.66	7,247.03	182.86	183.01	100.52	-928.70	-5,077.48	594.32	232.41	361.91	1.642		
13,500.00	7,138.77	13,526.65	7,247.24	185.66	185.82	100.51	-929.20	-5,177.48	594.80	227.37	367.43	1.619		
13,600.00	7,139.01	13,626.65	7,247.46	188.46	188.62	100.50	-929.71	-5,277.47	595.28	222.33	372.96	1.596		
13,700.00	7,139.25	13,726.65	7,247.67	191.26	191.42	100.49	-930.22	-5,377.47	595.76	217.28	378.48	1.574		
13,800.00	7,139.49	13,826.65	7,247.88	194.06	194.23	100.48	-930.73	-5,477.47	596.24	212.23	384.01	1.553		
13,900.00	7,139.73	13,926.65	7,248.10	196.87	197.04	100.46	-931.24	-5,577.47	596.72	207.17	389.55	1.532		
14,000.00	7,139.97	14,026.65	7,248.31	199.68	199.85	100.45	-931.75	-5,677.46	597.20	202.12	395.09	1.512		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	14,126.65	7,248.52	202.48	202.66	100.44	-932.25	-5,777.46	597.68	197.05	400.63	1.492 Level 3		
14,200.00	7,140.45	14,226.65	7,248.73	205.29	205.47	100.43	-932.76	-5,877.46	598.16	191.99	406.17	1.473 Level 3		
14,300.00	7,140.69	14,326.65	7,248.95	208.10	208.28	100.42	-933.27	-5,977.45	598.64	186.92	411.72	1.454 Level 3		
14,400.00	7,140.93	14,426.64	7,249.16	210.91	211.10	100.41	-933.78	-6,077.45	599.12	181.85	417.27	1.436 Level 3		
14,500.00	7,141.17	14,526.64	7,249.37	213.73	213.91	100.40	-934.29	-6,177.45	599.60	176.78	422.82	1.418 Level 3		
14,600.00	7,141.41	14,626.64	7,249.59	216.54	216.73	100.39	-934.80	-6,277.45	600.08	171.71	428.38	1.401 Level 3		
14,700.00	7,141.65	14,726.64	7,249.80	219.36	219.55	100.38	-935.30	-6,377.44	600.57	166.63	433.93	1.384 Level 3		
14,800.00	7,141.89	14,826.64	7,250.01	222.17	222.37	100.36	-935.81	-6,477.44	601.05	161.55	439.49	1.368 Level 3		
14,900.00	7,142.13	14,926.64	7,250.23	224.99	225.19	100.35	-936.32	-6,577.44	601.53	156.47	445.06	1.352 Level 3		
15,000.00	7,142.36	15,026.64	7,250.44	227.81	228.01	100.34	-936.83	-6,677.44	602.01	151.38	450.62	1.336 Level 3		
15,100.00	7,142.60	15,126.64	7,250.65	230.63	230.83	100.33	-937.34	-6,777.43	602.49	146.30	456.19	1.321 Level 3		
15,200.00	7,142.84	15,226.63	7,250.86	233.45	233.65	100.32	-937.84	-6,877.43	602.97	141.21	461.76	1.306 Level 3		
15,300.00	7,143.08	15,326.63	7,251.08	236.27	236.48	100.31	-938.35	-6,977.43	603.45	136.12	467.33	1.291 Level 3		
15,400.00	7,143.32	15,426.63	7,251.29	239.09	239.30	100.30	-938.86	-7,077.42	603.93	131.03	472.90	1.277 Level 3		
15,500.00	7,143.56	15,526.63	7,251.50	241.91	242.13	100.29	-939.37	-7,177.42	604.41	125.93	478.48	1.263 Level 3		
15,600.00	7,143.80	15,626.63	7,251.72	244.73	244.95	100.28	-939.88	-7,277.42	604.89	120.83	484.06	1.250 Level 2		
15,700.00	7,144.04	15,726.63	7,251.93	247.56	247.78	100.27	-940.39	-7,377.42	605.37	115.74	489.63	1.236 Level 2		
15,800.00	7,144.28	15,826.63	7,252.14	250.38	250.61	100.26	-940.89	-7,477.41	605.85	110.64	495.21	1.223 Level 2		
15,900.00	7,144.52	15,926.63	7,252.36	253.21	253.44	100.25	-941.40	-7,577.41	606.33	105.53	500.80	1.211 Level 2		
16,000.00	7,144.76	16,026.62	7,252.57	256.03	256.26	100.23	-941.91	-7,677.41	606.81	100.43	506.38	1.198 Level 2		
16,100.00	7,145.00	16,126.62	7,252.78	258.86	259.09	100.22	-942.42	-7,777.41	607.29	95.33	511.97	1.186 Level 2		
16,200.00	7,145.24	16,226.62	7,252.99	261.69	261.92	100.21	-942.93	-7,877.40	607.77	90.22	517.55	1.174 Level 2		
16,300.00	7,145.48	16,326.62	7,253.21	264.52	264.75	100.20	-943.44	-7,977.40	608.25	85.11	523.14	1.163 Level 2		
16,400.00	7,145.72	16,426.62	7,253.42	267.35	267.59	100.19	-943.94	-8,077.40	608.74	80.00	528.73	1.151 Level 2		
16,500.00	7,145.96	16,526.62	7,253.63	270.18	270.42	100.18	-944.45	-8,177.39	609.22	74.89	534.33	1.140 Level 2		
16,600.00	7,146.20	16,626.62	7,253.85	273.01	273.25	100.17	-944.96	-8,277.39	609.70	69.78	539.92	1.129 Level 2		
16,700.00	7,146.44	16,726.62	7,254.06	275.84	276.08	100.16	-945.47	-8,377.39	610.18	64.66	545.51	1.119 Level 2		
16,800.00	7,146.68	16,826.61	7,254.27	278.67	278.92	100.15	-945.98	-8,477.39	610.66	59.55	551.11	1.108 Level 2		
16,900.00	7,146.92	16,926.61	7,254.49	281.50	281.75	100.14	-946.49	-8,577.38	611.14	54.43	556.71	1.098 Level 2		
17,000.00	7,147.16	17,026.61	7,254.70	284.33	284.59	100.13	-946.99	-8,677.38	611.62	49.31	562.31	1.088 Level 2		
17,100.00	7,147.40	17,126.61	7,254.91	287.16	287.42	100.12	-947.50	-8,777.38	612.10	44.19	567.91	1.078 Level 2		
17,200.00	7,147.64	17,226.61	7,255.12	290.00	290.26	100.11	-948.01	-8,877.38	612.58	39.07	573.51	1.068 Level 2		
17,300.00	7,147.88	17,326.61	7,255.34	292.83	293.09	100.10	-948.52	-8,977.37	613.06	33.95	579.11	1.059 Level 2		
17,400.00	7,148.12	17,426.61	7,255.55	295.66	295.93	100.09	-949.03	-9,077.37	613.54	28.83	584.71	1.049 Level 2		
17,500.00	7,148.36	17,526.61	7,255.76	298.50	298.76	100.07	-949.53	-9,177.37	614.03	23.71	590.32	1.040 Level 2		
17,600.00	7,148.60	17,626.60	7,255.98	301.33	301.60	100.06	-950.04	-9,277.36	614.51	18.58	595.92	1.031 Level 2		
17,700.00	7,148.84	17,726.60	7,256.19	304.17	304.44	100.05	-950.55	-9,377.36	614.99	13.46	601.53	1.022 Level 2		
17,800.00	7,149.08	17,826.60	7,256.40	307.00	307.28	100.04	-951.06	-9,477.36	615.47	8.33	607.14	1.014 Level 2		
17,900.00	7,149.32	17,926.60	7,256.62	309.84	310.12	100.03	-951.57	-9,577.36	615.95	3.20	612.75	1.005 Level 2		
18,000.00	7,149.56	18,026.60	7,256.83	312.68	312.95	100.02	-952.08	-9,677.35	616.43	-1.93	618.36	0.997 Level 1		
18,100.00	7,149.80	18,126.60	7,257.04	315.51	315.79	100.01	-952.58	-9,777.35	616.91	-7.06	623.97	0.989 Level 1		
18,200.00	7,150.04	18,226.60	7,257.25	318.35	318.63	100.00	-953.09	-9,877.35	617.39	-12.19	629.58	0.981 Level 1		
18,300.00	7,150.28	18,326.60	7,257.47	321.19	321.47	99.99	-953.60	-9,977.34	617.87	-17.32	635.20	0.973 Level 1		
18,400.00	7,150.52	18,426.60	7,257.68	324.03	324.31	99.98	-954.11	-10,077.34	618.36	-22.46	640.81	0.965 Level 1		
18,500.00	7,150.76	18,526.59	7,257.89	326.86	327.15	99.97	-954.62	-10,177.34	618.84	-27.59	646.43	0.957 Level 1		
18,600.00	7,151.00	18,626.59	7,258.11	329.70	329.99	99.96	-955.13	-10,277.34	619.32	-32.72	652.04	0.950 Level 1		
18,700.00	7,151.24	18,726.59	7,258.32	332.54	332.83	99.95	-955.63	-10,377.33	619.80	-37.86	657.66	0.942 Level 1		
18,800.00	7,151.48	18,826.59	7,258.53	335.38	335.68	99.94	-956.14	-10,477.33	620.28	-43.00	663.28	0.935 Level 1		
18,900.00	7,151.72	18,926.59	7,258.75	338.22	338.52	99.93	-956.65	-10,577.33	620.76	-48.13	668.90	0.928 Level 1		
19,000.00	7,151.96	19,026.59	7,258.96	341.06	341.36	99.92	-957.16	-10,677.33	621.24	-53.27	674.52	0.921 Level 1		
19,018.30	7,152.00	19,044.89	7,259.00	341.58	341.88	99.92	-957.25	-10,695.62	621.33	-54.21	675.54	0.920 Level 1, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	30.23	0.28	30.23					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	30.23	0.28	30.23	23.67	6.57	4.602		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	30.23	0.28	30.23	23.56	6.67	4.530 CC		
300.00	299.98	300.72	300.70	3.44	3.44	-136.53	29.03	1.57	30.32	23.43	6.89	4.402		
400.00	399.84	401.43	401.27	3.59	3.60	-135.96	25.41	5.46	30.57	23.37	7.20	4.245		
500.00	499.45	502.14	501.58	3.80	3.80	-135.04	19.38	11.92	31.00	23.38	7.62	4.070		
600.00	598.70	602.85	601.52	4.04	4.05	-133.78	10.95	20.96	31.61	23.50	8.12	3.895		
700.00	697.47	703.55	700.96	4.32	4.33	-132.25	0.13	32.56	32.42	23.73	8.69	3.729		
800.00	795.62	804.24	799.77	4.65	4.66	-130.47	-13.06	46.71	33.43	24.09	9.34	3.580		
900.00	893.06	904.92	897.82	5.01	5.03	-128.51	-28.62	63.39	34.67	24.61	10.05	3.449		
1,000.00	989.64	1,005.50	994.93	5.42	5.44	-126.47	-46.47	82.53	36.14	25.31	10.83	3.337		
1,044.50	1,032.32	1,049.98	1,037.73	5.61	5.64	-126.23	-54.76	91.43	37.16	25.96	11.19	3.320		
1,100.00	1,085.43	1,105.46	1,091.09	5.86	5.88	-126.48	-65.10	102.51	38.68	27.02	11.66	3.317		
1,200.00	1,181.11	1,205.42	1,187.25	6.33	6.34	-126.90	-83.73	122.49	41.42	28.89	12.53	3.306		
1,300.00	1,276.80	1,305.39	1,283.41	6.81	6.82	-127.26	-102.37	142.47	44.16	30.73	13.43	3.288		
1,400.00	1,372.49	1,405.35	1,379.56	7.31	7.31	-127.58	-121.00	162.45	46.91	32.55	14.36	3.266		
1,500.00	1,468.17	1,505.31	1,475.72	7.83	7.81	-127.86	-139.63	182.43	49.65	34.34	15.31	3.243		
1,600.00	1,563.86	1,605.27	1,571.88	8.35	8.32	-128.12	-158.26	202.41	52.40	36.12	16.28	3.219		
1,700.00	1,659.55	1,705.23	1,668.03	8.88	8.84	-128.35	-176.89	222.39	55.15	37.89	17.26	3.195		
1,800.00	1,755.23	1,805.20	1,764.19	9.42	9.37	-128.56	-195.52	242.37	57.90	39.64	18.25	3.172		
1,900.00	1,850.92	1,905.16	1,860.35	9.97	9.90	-128.74	-214.15	262.35	60.65	41.39	19.26	3.149		
2,000.00	1,946.61	2,005.12	1,956.50	10.52	10.44	-128.92	-232.78	282.33	63.40	43.12	20.27	3.127		
2,100.00	2,042.29	2,105.08	2,052.66	11.07	10.97	-129.07	-251.41	302.31	66.15	44.85	21.29	3.107		
2,200.00	2,137.98	2,205.04	2,148.82	11.63	11.52	-129.22	-270.05	322.29	68.90	46.58	22.32	3.087		
2,300.00	2,233.67	2,305.01	2,244.97	12.19	12.06	-129.35	-288.68	342.27	71.65	48.30	23.35	3.068		
2,400.00	2,329.35	2,404.97	2,341.13	12.76	12.61	-129.48	-307.31	362.25	74.40	50.01	24.39	3.051		
2,500.00	2,425.04	2,504.93	2,437.29	13.32	13.16	-129.59	-325.94	382.23	77.15	51.72	25.43	3.034		
2,600.00	2,520.72	2,604.89	2,533.44	13.89	13.71	-129.70	-344.57	402.21	79.90	53.43	26.48	3.018		
2,700.00	2,616.41	2,704.85	2,629.60	14.46	14.27	-129.80	-363.20	422.18	82.66	55.13	27.52	3.003		
2,800.00	2,712.10	2,804.82	2,725.76	15.03	14.82	-129.89	-381.83	442.16	85.41	56.83	28.58	2.989		
2,900.00	2,807.78	2,904.74	2,821.91	15.60	15.38	-129.98	-400.46	462.14	88.16	58.53	29.63	2.975		
3,000.00	2,903.47	3,004.74	2,918.07	16.18	15.94	-130.07	-419.09	482.12	90.92	60.23	30.69	2.963		
3,100.00	2,999.16	3,104.70	3,014.23	16.75	16.50	-130.14	-437.73	502.10	93.67	61.92	31.74	2.951		
3,200.00	3,094.84	3,204.66	3,110.38	17.33	17.06	-130.22	-456.36	522.08	96.42	63.62	32.80	2.939		
3,300.00	3,190.53	3,304.63	3,206.54	17.90	17.62	-130.29	-474.99	542.06	99.18	65.31	33.87	2.928		
3,400.00	3,286.22	3,404.59	3,302.70	18.48	18.18	-130.35	-493.62	562.04	101.93	67.00	34.93	2.918		
3,500.00	3,381.90	3,504.55	3,398.85	19.06	18.74	-130.41	-512.25	582.02	104.68	68.69	36.00	2.908		
3,600.00	3,477.59	3,604.51	3,495.01	19.64	19.31	-130.47	-530.88	602.00	107.44	70.38	37.06	2.899		
3,700.00	3,573.28	3,704.47	3,591.17	20.22	19.87	-130.53	-549.51	621.98	110.19	72.06	38.13	2.890		
3,800.00	3,668.96	3,804.44	3,687.32	20.80	20.43	-130.58	-568.14	641.96	112.95	73.75	39.20	2.881		
3,900.00	3,764.65	3,904.40	3,783.48	21.38	21.00	-130.63	-586.77	661.94	115.70	75.43	40.27	2.873		
4,000.00	3,860.33	4,004.36	3,879.64	21.96	21.56	-130.68	-605.41	681.92	118.46	77.12	41.34	2.866		
4,100.00	3,956.02	4,104.32	3,975.79	22.54	22.13	-130.73	-624.04	701.90	121.21	78.80	42.41	2.858		
4,200.00	4,051.71	4,204.28	4,071.95	23.13	22.70	-130.77	-642.67	721.88	123.96	80.48	43.48	2.851		
4,300.00	4,147.39	4,304.25	4,168.11	23.71	23.26	-130.81	-661.30	741.86	126.72	82.17	44.55	2.844		
4,400.00	4,243.08	4,404.21	4,264.26	24.29	23.83	-130.85	-679.93	761.83	129.47	83.85	45.63	2.838		
4,500.00	4,338.77	4,504.17	4,360.42	24.88	24.40	-130.89	-698.56	781.81	132.23	85.53	46.70	2.831		
4,600.00	4,434.45	4,604.13	4,456.58	25.46	24.96	-130.93	-717.19	801.79	134.98	87.21	47.78	2.825		
4,700.00	4,530.14	4,704.10	4,552.73	26.04	25.53	-130.96	-735.82	821.77	137.74	88.89	48.85	2.820		
4,800.00	4,625.83	4,804.06	4,648.89	26.63	26.10	-131.00	-754.45	841.75	140.49	90.57	49.93	2.814		
4,900.00	4,721.51	4,904.02	4,745.05	27.21	26.67	-131.03	-773.09	861.73	143.25	92.25	51.00	2.809		
5,000.00	4,817.20	5,003.98	4,841.20	27.80	27.24	-131.06	-791.72	881.71	146.00	93.92	52.08	2.803		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,103.94	4,937.36	28.38	27.81	-131.09	-810.35	901.69	148.76	95.60	53.16	2.798		
5,200.00	5,008.57	5,203.91	5,033.52	28.97	28.37	-131.12	-828.98	921.67	151.51	97.28	54.23	2.794		
5,300.00	5,104.26	5,303.87	5,129.67	29.55	28.94	-131.15	-847.61	941.65	154.27	98.96	55.31	2.789		
5,400.00	5,199.94	5,403.83	5,225.83	30.14	29.51	-131.18	-866.24	961.63	157.02	100.63	56.39	2.785		
5,500.00	5,295.63	5,503.79	5,321.99	30.72	30.08	-131.21	-884.87	981.61	159.78	102.31	57.47	2.780		
5,600.00	5,391.32	5,603.75	5,418.14	31.31	30.65	-131.23	-903.50	1,001.59	162.53	103.99	58.55	2.776		
5,700.00	5,487.00	5,703.72	5,514.30	31.90	31.22	-131.26	-922.13	1,021.57	165.29	105.66	59.63	2.772		
5,800.00	5,582.69	5,803.68	5,610.46	32.48	31.79	-131.28	-940.77	1,041.55	168.05	107.34	60.71	2.768		
5,900.00	5,678.38	5,903.64	5,706.61	33.07	32.36	-131.30	-959.40	1,061.53	170.80	109.01	61.79	2.764		
6,000.00	5,774.06	6,003.60	5,802.77	33.65	32.93	-131.32	-978.03	1,081.51	173.56	110.69	62.87	2.761		
6,100.00	5,869.75	6,103.56	5,898.93	34.24	33.50	-131.35	-996.66	1,101.48	176.31	112.36	63.95	2.757		
6,200.00	5,965.44	6,203.53	5,995.08	34.83	34.07	-131.37	-1,015.29	1,121.46	179.07	114.04	65.03	2.754		
6,300.00	6,061.12	6,303.49	6,091.24	35.41	34.64	-131.39	-1,033.92	1,141.44	181.82	115.71	66.11	2.750		
6,400.00	6,156.81	6,403.45	6,187.40	36.00	35.21	-131.41	-1,052.55	1,161.42	184.58	117.39	67.19	2.747		
6,500.00	6,252.50	6,503.41	6,283.55	36.59	35.79	-131.43	-1,071.18	1,181.40	187.33	119.06	68.27	2.744		
6,600.00	6,348.18	6,605.43	6,382.32	37.18	36.34	-132.60	-1,090.30	1,197.98	189.71	120.56	69.15	2.744		
6,636.04	6,382.67	6,641.99	6,418.14	37.39	36.50	-134.12	-1,097.21	1,200.26	190.31	121.05	69.26	2.748		
6,650.00	6,396.05	6,656.01	6,431.90	37.47	36.56	-138.13	-1,099.86	1,200.58	190.56	121.27	69.28	2.750		
6,700.00	6,444.38	6,705.79	6,480.75	37.74	36.75	-155.29	-1,109.25	1,199.21	191.72	122.38	69.34	2.765		
6,750.00	6,493.07	6,754.93	6,528.74	37.98	36.91	-176.46	-1,118.46	1,194.05	193.31	123.93	69.38	2.786		
6,800.00	6,541.82	6,803.48	6,575.62	38.18	37.06	161.44	-1,127.44	1,185.28	195.30	125.89	69.41	2.814		
6,850.00	6,590.35	6,851.44	6,621.17	38.35	37.19	142.49	-1,136.13	1,173.05	197.65	128.21	69.44	2.846		
6,900.00	6,638.34	6,898.87	6,665.19	38.50	37.32	128.06	-1,144.52	1,157.57	200.31	130.86	69.45	2.884		
6,950.00	6,685.50	6,945.79	6,707.51	38.64	37.45	117.35	-1,152.56	1,139.02	203.23	133.79	69.44	2.927		
7,000.00	6,731.54	6,992.22	6,747.98	38.77	37.59	109.27	-1,160.22	1,117.58	206.37	136.97	69.40	2.973		
7,050.00	6,776.18	7,038.22	6,786.44	38.90	37.73	102.98	-1,167.48	1,093.44	209.66	140.33	69.34	3.024		
7,100.00	6,819.14	7,083.80	6,822.77	39.03	37.88	97.94	-1,174.32	1,066.79	213.06	143.81	69.25	3.077		
7,150.00	6,860.16	7,129.00	6,856.86	39.16	38.04	93.81	-1,180.71	1,037.82	216.50	147.35	69.15	3.131		
7,200.00	6,898.98	7,173.86	6,888.61	39.31	38.22	90.38	-1,186.64	1,006.71	219.94	150.88	69.06	3.185		
7,250.00	6,935.36	7,218.40	6,917.94	39.47	38.42	87.49	-1,192.09	973.65	223.32	154.31	69.01	3.236		
7,300.00	6,969.08	7,262.65	6,944.76	39.65	38.64	85.04	-1,197.05	938.82	226.59	157.57	69.02	3.283		
7,350.00	6,999.94	7,306.65	6,969.01	39.85	38.88	82.97	-1,201.51	902.38	229.73	160.59	69.13	3.323		
7,400.00	7,027.74	7,350.42	6,990.63	40.08	39.14	81.23	-1,205.44	864.54	232.68	163.31	69.37	3.354		
7,450.00	7,052.31	7,394.00	7,009.57	40.34	39.43	79.77	-1,208.86	825.45	235.41	165.64	69.77	3.374		
7,500.00	7,073.49	7,437.40	7,025.78	40.63	39.75	78.57	-1,211.74	785.30	237.89	167.55	70.34	3.382		
7,550.00	7,091.17	7,480.67	7,039.23	40.95	40.10	77.61	-1,214.09	744.25	240.10	169.00	71.10	3.377		
7,600.00	7,105.22	7,523.83	7,049.88	41.31	40.48	76.87	-1,215.90	702.48	242.02	169.96	72.05	3.359		
7,650.00	7,115.57	7,566.89	7,057.73	41.71	40.88	76.34	-1,217.16	660.15	243.62	170.42	73.19	3.328		
7,700.00	7,122.15	7,609.91	7,062.74	42.15	41.31	76.02	-1,217.87	617.45	244.89	170.37	74.51	3.286		
7,750.00	7,124.91	7,652.89	7,064.90	42.62	41.76	75.88	-1,218.03	574.53	245.82	169.83	75.99	3.235		
7,759.54	7,125.00	7,662.83	7,065.00	42.72	41.87	75.88	-1,218.00	566.47	245.96	169.64	76.32	3.223		
7,800.00	7,125.10	7,701.41	7,065.13	43.13	42.30	75.92	-1,217.79	526.01	246.55	169.22	77.33	3.188		
7,900.00	7,125.34	7,801.40	7,065.48	44.28	43.55	76.03	-1,217.26	426.02	248.01	167.90	80.10	3.096		
8,000.00	7,125.58	7,901.39	7,065.82	45.61	44.96	76.14	-1,216.74	326.04	249.46	166.30	83.16	3.000		
8,100.00	7,125.82	8,001.37	7,066.17	47.10	46.52	76.25	-1,216.22	226.05	250.92	164.44	86.48	2.901		
8,200.00	7,126.06	8,101.36	7,066.51	48.72	48.21	76.35	-1,215.69	126.07	252.38	162.35	90.03	2.803		
8,300.00	7,126.30	8,201.35	7,066.85	50.48	50.03	76.46	-1,215.17	26.08	253.84	160.06	93.78	2.707		
8,400.00	7,126.54	8,301.34	7,067.20	52.34	51.94	76.56	-1,214.64	-73.91	255.30	157.59	97.71	2.613		
8,500.00	7,126.78	8,401.33	7,067.54	54.30	53.95	76.66	-1,214.12	-173.89	256.76	154.95	101.80	2.522		
8,600.00	7,127.02	8,501.32	7,067.88	56.35	56.03	76.76	-1,213.59	-273.88	258.22	152.18	106.04	2.435		
8,700.00	7,127.26	8,601.30	7,068.23	58.47	58.19	76.86	-1,213.07	-373.87	259.68	149.28	110.40	2.352		
8,800.00	7,127.50	8,701.29	7,068.57	60.66	60.41	76.96	-1,212.55	-473.85	261.14	146.27	114.87	2.273		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,801.28	7,068.91	62.90	62.68	77.06	-1,212.02	-573.84	262.61	143.16	119.45	2.199		
9,000.00	7,127.98	8,901.27	7,069.26	65.19	65.00	77.15	-1,211.50	-673.82	264.07	139.96	124.11	2.128		
9,100.00	7,128.22	9,001.26	7,069.60	67.53	67.37	77.25	-1,210.97	-773.81	265.54	136.68	128.86	2.061		
9,200.00	7,128.46	9,101.25	7,069.95	69.92	69.77	77.34	-1,210.45	-873.80	267.00	133.33	133.67	1.997		
9,300.00	7,128.70	9,201.23	7,070.29	72.33	72.21	77.43	-1,209.92	-973.78	268.47	129.92	138.55	1.938		
9,400.00	7,128.94	9,301.22	7,070.63	74.78	74.68	77.53	-1,209.40	-1,073.77	269.94	126.45	143.49	1.881		
9,500.00	7,129.18	9,401.21	7,070.98	77.26	77.18	77.62	-1,208.87	-1,173.76	271.40	122.92	148.48	1.828		
9,600.00	7,129.42	9,501.20	7,071.32	79.76	79.70	77.71	-1,208.35	-1,273.74	272.87	119.35	153.52	1.777		
9,700.00	7,129.66	9,601.19	7,071.66	82.29	82.25	77.80	-1,207.83	-1,373.73	274.34	115.74	158.60	1.730		
9,800.00	7,129.90	9,701.18	7,072.01	84.84	84.81	77.89	-1,207.30	-1,473.72	275.81	112.08	163.73	1.685		
9,900.00	7,130.14	9,801.16	7,072.35	87.41	87.40	77.97	-1,206.78	-1,573.70	277.28	108.40	168.89	1.642		
10,000.00	7,130.38	9,901.15	7,072.69	90.00	90.00	78.06	-1,206.25	-1,673.69	278.75	104.68	174.08	1.601		
10,100.00	7,130.62	10,001.14	7,073.04	92.60	92.62	78.14	-1,205.73	-1,773.67	280.23	100.92	179.30	1.563		
10,200.00	7,130.86	10,101.13	7,073.38	95.22	95.25	78.23	-1,205.20	-1,873.66	281.70	97.15	184.55	1.526		
10,300.00	7,131.09	10,201.12	7,073.73	97.85	97.89	78.31	-1,204.68	-1,973.65	283.17	93.34	189.83	1.492 Level 3		
10,400.00	7,131.33	10,301.11	7,074.07	100.50	100.55	78.39	-1,204.15	-2,073.63	284.65	89.52	195.13	1.459 Level 3		
10,500.00	7,131.57	10,401.09	7,074.41	103.16	103.22	78.48	-1,203.63	-2,173.62	286.12	85.67	200.45	1.427 Level 3		
10,600.00	7,131.81	10,501.08	7,074.76	105.82	105.90	78.56	-1,203.11	-2,273.61	287.59	81.80	205.79	1.397 Level 3		
10,700.00	7,132.05	10,601.07	7,075.10	108.50	108.58	78.64	-1,202.58	-2,373.59	289.07	77.91	211.16	1.369 Level 3		
10,800.00	7,132.29	10,701.06	7,075.44	111.19	111.28	78.72	-1,202.06	-2,473.58	290.55	74.01	216.54	1.342 Level 3		
10,900.00	7,132.53	10,801.05	7,075.79	113.88	113.98	78.80	-1,201.53	-2,573.57	292.02	70.09	221.93	1.316 Level 3		
11,000.00	7,132.77	10,901.04	7,076.13	116.58	116.70	78.87	-1,201.01	-2,673.55	293.50	66.15	227.34	1.291 Level 3		
11,100.00	7,133.01	11,001.02	7,076.47	119.29	119.42	78.95	-1,200.48	-2,773.54	294.98	62.21	232.77	1.267 Level 3		
11,200.00	7,133.25	11,101.01	7,076.82	122.01	122.14	79.03	-1,199.96	-2,873.52	296.45	58.24	238.21	1.245 Level 2		
11,300.00	7,133.49	11,201.00	7,077.16	124.73	124.87	79.10	-1,199.43	-2,973.51	297.93	54.27	243.66	1.223 Level 2		
11,400.00	7,133.73	11,300.99	7,077.51	127.46	127.61	79.18	-1,198.91	-3,073.50	299.41	50.29	249.13	1.202 Level 2		
11,500.00	7,133.97	11,400.98	7,077.85	130.19	130.35	79.25	-1,198.39	-3,173.48	300.89	46.29	254.60	1.182 Level 2		
11,600.00	7,134.21	11,500.96	7,078.19	132.93	133.10	79.32	-1,197.86	-3,273.47	302.37	42.28	260.09	1.163 Level 2		
11,700.00	7,134.45	11,600.95	7,078.54	135.68	135.86	79.40	-1,197.34	-3,373.46	303.85	38.27	265.58	1.144 Level 2		
11,800.00	7,134.69	11,700.94	7,078.88	138.43	138.61	79.47	-1,196.81	-3,473.44	305.33	34.24	271.09	1.126 Level 2		
11,900.00	7,134.93	11,800.93	7,079.22	141.18	141.37	79.54	-1,196.29	-3,573.43	306.82	30.21	276.60	1.109 Level 2		
12,000.00	7,135.17	11,900.92	7,079.57	143.94	144.14	79.61	-1,195.76	-3,673.42	308.30	26.17	282.13	1.093 Level 2		
12,100.00	7,135.41	12,000.91	7,079.91	146.70	146.91	79.68	-1,195.24	-3,773.40	309.78	22.12	287.66	1.077 Level 2		
12,200.00	7,135.65	12,100.89	7,080.25	149.46	149.68	79.75	-1,194.71	-3,873.39	311.26	18.07	293.20	1.062 Level 2		
12,300.00	7,135.89	12,200.88	7,080.60	152.23	152.46	79.82	-1,194.19	-3,973.37	312.75	14.00	298.74	1.047 Level 2		
12,400.00	7,136.13	12,300.87	7,080.94	155.00	155.24	79.89	-1,193.67	-4,073.36	314.23	9.93	304.30	1.033 Level 2		
12,500.00	7,136.37	12,400.86	7,081.29	157.78	158.02	79.95	-1,193.14	-4,173.35	315.71	5.86	309.85	1.019 Level 2		
12,600.00	7,136.61	12,500.85	7,081.63	160.55	160.80	80.02	-1,192.62	-4,273.33	317.20	1.78	315.42	1.006 Level 2		
12,700.00	7,136.85	12,600.84	7,081.97	163.33	163.59	80.09	-1,192.09	-4,373.32	318.68	-2.31	320.99	0.993 Level 1		
12,800.00	7,137.09	12,700.82	7,082.32	166.12	166.38	80.15	-1,191.57	-4,473.31	320.17	-6.40	326.57	0.980 Level 1		
12,900.00	7,137.33	12,800.81	7,082.66	168.90	169.17	80.22	-1,191.04	-4,573.29	321.66	-10.49	332.15	0.968 Level 1		
13,000.00	7,137.57	12,900.80	7,083.00	171.69	171.97	80.28	-1,190.52	-4,673.28	323.14	-14.60	337.74	0.957 Level 1		
13,100.00	7,137.81	13,000.79	7,083.35	174.48	174.76	80.34	-1,189.99	-4,773.26	324.63	-18.70	343.33	0.946 Level 1		
13,200.00	7,138.05	13,100.78	7,083.69	177.27	177.56	80.41	-1,189.47	-4,873.25	326.12	-22.81	348.93	0.935 Level 1		
13,300.00	7,138.29	13,200.77	7,084.04	180.07	180.36	80.47	-1,188.95	-4,973.24	327.60	-26.92	354.53	0.924 Level 1		
13,400.00	7,138.53	13,300.75	7,084.38	182.86	183.17	80.53	-1,188.42	-5,073.22	329.09	-31.04	360.13	0.914 Level 1		
13,500.00	7,138.77	13,400.74	7,084.72	185.66	185.97	80.59	-1,187.90	-5,173.21	330.58	-35.16	365.74	0.904 Level 1		
13,600.00	7,139.01	13,500.73	7,085.07	188.46	188.78	80.65	-1,187.37	-5,273.20	332.07	-39.29	371.36	0.894 Level 1		
13,700.00	7,139.25	13,600.72	7,085.41	191.26	191.58	80.71	-1,186.85	-5,373.18	333.56	-43.42	376.97	0.885 Level 1		
13,800.00	7,139.49	13,700.71	7,085.75	194.06	194.39	80.77	-1,186.32	-5,473.17	335.05	-47.55	382.59	0.876 Level 1		
13,900.00	7,139.73	13,800.70	7,086.10	196.87	197.20	80.83	-1,185.80	-5,573.16	336.54	-51.68	388.22	0.867 Level 1		
14,000.00	7,139.97	13,900.68	7,086.44	199.68	200.02	80.89	-1,185.27	-5,673.14	338.03	-55.82	393.85	0.858 Level 1		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	14,000.67	7,086.78	202.48	202.83	80.95	-1,184.75	-5,773.13	339.52	-59.96	399.48	0.850 Level 1		
14,200.00	7,140.45	14,100.66	7,087.13	205.29	205.64	81.01	-1,184.23	-5,873.11	341.01	-64.10	405.11	0.842 Level 1		
14,300.00	7,140.69	14,200.65	7,087.47	208.10	208.46	81.06	-1,183.70	-5,973.10	342.50	-68.25	410.75	0.834 Level 1		
14,400.00	7,140.93	14,300.64	7,087.82	210.91	211.28	81.12	-1,183.18	-6,073.09	343.99	-72.40	416.39	0.826 Level 1		
14,500.00	7,141.17	14,400.63	7,088.16	213.73	214.10	81.18	-1,182.65	-6,173.07	345.48	-76.55	422.03	0.819 Level 1		
14,600.00	7,141.41	14,500.61	7,088.50	216.54	216.92	81.23	-1,182.13	-6,273.06	346.97	-80.70	427.68	0.811 Level 1		
14,700.00	7,141.65	14,600.60	7,088.85	219.36	219.74	81.29	-1,181.60	-6,373.05	348.47	-84.86	433.33	0.804 Level 1		
14,800.00	7,141.89	14,700.59	7,089.19	222.17	222.56	81.34	-1,181.08	-6,473.03	349.96	-89.02	438.98	0.797 Level 1		
14,900.00	7,142.13	14,800.58	7,089.53	224.99	225.38	81.40	-1,180.55	-6,573.02	351.45	-93.18	444.63	0.790 Level 1		
15,000.00	7,142.36	14,900.57	7,089.88	227.81	228.21	81.45	-1,180.03	-6,673.01	352.95	-97.34	450.28	0.784 Level 1		
15,100.00	7,142.60	15,000.56	7,090.22	230.63	231.03	81.50	-1,179.51	-6,772.99	354.44	-101.50	455.94	0.777 Level 1		
15,200.00	7,142.84	15,100.54	7,090.56	233.45	233.86	81.55	-1,178.98	-6,872.98	355.93	-105.67	461.60	0.771 Level 1		
15,300.00	7,143.08	15,200.53	7,090.91	236.27	236.68	81.61	-1,178.46	-6,972.96	357.43	-109.83	467.26	0.765 Level 1		
15,400.00	7,143.32	15,310.86	7,091.29	239.09	239.80	81.64	-1,179.10	-7,083.29	357.87	-115.03	472.90	0.757 Level 1		
15,500.00	7,143.56	15,412.79	7,091.65	241.91	242.66	81.61	-1,182.05	-7,185.17	355.97	-122.44	478.41	0.744 Level 1		
15,600.00	7,143.80	15,512.77	7,092.00	244.73	245.48	81.58	-1,184.99	-7,285.10	354.03	-129.93	483.97	0.732 Level 1		
15,700.00	7,144.04	15,612.75	7,092.35	247.56	248.29	81.55	-1,187.93	-7,385.04	352.10	-137.43	489.52	0.719 Level 1		
15,800.00	7,144.28	15,712.73	7,092.70	250.38	251.11	81.53	-1,190.87	-7,484.98	350.16	-144.92	495.08	0.707 Level 1		
15,900.00	7,144.52	15,812.71	7,093.06	253.21	253.92	81.50	-1,193.81	-7,584.92	348.23	-152.41	500.64	0.696 Level 1		
16,000.00	7,144.76	15,912.69	7,093.41	256.03	256.74	81.47	-1,196.75	-7,684.85	346.29	-159.90	506.20	0.684 Level 1		
16,100.00	7,145.00	16,012.67	7,093.76	258.86	259.56	81.44	-1,199.69	-7,784.79	344.36	-167.39	511.75	0.673 Level 1		
16,200.00	7,145.24	16,112.65	7,094.11	261.69	262.37	81.41	-1,202.63	-7,884.73	342.43	-174.88	517.31	0.662 Level 1		
16,300.00	7,145.48	16,212.64	7,094.46	264.52	265.19	81.38	-1,205.57	-7,984.67	340.49	-182.37	522.87	0.651 Level 1		
16,400.00	7,145.72	16,312.62	7,094.81	267.35	268.01	81.35	-1,208.51	-8,084.60	338.56	-189.87	528.42	0.641 Level 1		
16,500.00	7,145.96	16,412.60	7,095.17	270.18	270.83	81.32	-1,211.45	-8,184.54	336.62	-197.36	533.98	0.630 Level 1		
16,600.00	7,146.20	16,512.58	7,095.52	273.01	273.65	81.29	-1,214.39	-8,284.48	334.69	-204.85	539.54	0.620 Level 1		
16,700.00	7,146.44	16,612.56	7,095.87	275.84	276.47	81.25	-1,217.33	-8,384.41	332.76	-212.33	545.09	0.610 Level 1		
16,800.00	7,146.68	16,712.54	7,096.22	278.67	279.29	81.22	-1,220.27	-8,484.35	330.82	-219.82	550.65	0.601 Level 1		
16,900.00	7,146.92	16,812.52	7,096.57	281.50	282.11	81.19	-1,223.21	-8,584.29	328.89	-227.31	556.20	0.591 Level 1		
17,000.00	7,147.16	16,912.50	7,096.92	284.33	284.94	81.16	-1,226.15	-8,684.23	326.96	-234.80	561.75	0.582 Level 1		
17,100.00	7,147.40	17,012.48	7,097.28	287.16	287.76	81.12	-1,229.09	-8,784.16	325.02	-242.29	567.31	0.573 Level 1		
17,200.00	7,147.64	17,112.47	7,097.63	290.00	290.58	81.09	-1,232.03	-8,884.10	323.09	-249.77	572.86	0.564 Level 1		
17,300.00	7,147.88	17,212.45	7,097.98	292.83	293.41	81.06	-1,234.97	-8,984.04	321.16	-257.26	578.41	0.555 Level 1		
17,400.00	7,148.12	17,312.43	7,098.33	295.66	296.23	81.02	-1,237.91	-9,083.98	319.22	-264.74	583.96	0.547 Level 1		
17,500.00	7,148.36	17,412.41	7,098.68	298.50	299.06	80.99	-1,240.85	-9,183.91	317.29	-272.22	589.51	0.538 Level 1		
17,600.00	7,148.60	17,512.39	7,099.03	301.33	301.88	80.95	-1,243.79	-9,283.85	315.36	-279.71	595.06	0.530 Level 1		
17,700.00	7,148.84	17,612.37	7,099.39	304.17	304.71	80.92	-1,246.73	-9,383.79	313.42	-287.19	600.61	0.522 Level 1		
17,800.00	7,149.08	17,712.35	7,099.74	307.00	307.54	80.88	-1,249.67	-9,483.72	311.49	-294.67	606.16	0.514 Level 1		
17,900.00	7,149.32	17,812.33	7,100.09	309.84	310.36	80.84	-1,252.61	-9,583.66	309.56	-302.14	611.70	0.506 Level 1		
18,000.00	7,149.56	17,912.31	7,100.44	312.68	313.19	80.81	-1,255.55	-9,683.60	307.63	-309.62	617.25	0.498 Level 1		
18,100.00	7,149.80	18,012.30	7,100.79	315.51	316.02	80.77	-1,258.49	-9,783.54	305.69	-317.10	622.79	0.491 Level 1		
18,200.00	7,150.04	18,112.28	7,101.14	318.35	318.85	80.73	-1,261.43	-9,883.47	303.76	-324.57	628.33	0.483 Level 1		
18,300.00	7,150.28	18,212.26	7,101.49	321.19	321.67	80.69	-1,264.37	-9,983.41	301.83	-332.04	633.87	0.476 Level 1		
18,400.00	7,150.52	18,312.24	7,101.85	324.03	324.50	80.66	-1,267.31	-10,083.35	299.90	-339.51	639.41	0.469 Level 1		
18,500.00	7,150.76	18,412.22	7,102.20	326.86	327.33	80.62	-1,270.25	-10,183.29	297.97	-346.98	644.95	0.462 Level 1		
18,600.00	7,151.00	18,512.20	7,102.55	329.70	330.16	80.58	-1,273.19	-10,283.22	296.03	-354.45	650.48	0.455 Level 1		
18,700.00	7,151.24	18,612.18	7,102.90	332.54	332.99	80.54	-1,276.13	-10,383.16	294.10	-361.91	656.02	0.448 Level 1		
18,800.00	7,151.48	18,712.16	7,103.25	335.38	335.82	80.50	-1,279.07	-10,483.10	292.17	-369.38	661.55	0.442 Level 1		
18,900.00	7,151.72	18,812.14	7,103.60	338.22	338.65	80.45	-1,282.01	-10,583.03	290.24	-376.84	667.08	0.435 Level 1		
19,000.00	7,151.96	18,912.13	7,103.96	341.06	341.48	80.41	-1,284.95	-10,682.97	288.31	-384.30	672.61	0.429 Level 1		
19,017.95	7,152.00	18,924.52	7,104.00	341.57	341.83	80.41	-1,285.32	-10,695.36	288.02	-385.70	673.72	0.428 Level 1		
19,018.30	7,152.00	18,924.52	7,104.00	341.58	341.83	80.41	-1,285.32	-10,695.36	288.02	-385.72	673.74	0.427 Level 1, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-29.87	-0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-29.87	-0.28	29.87	23.31	6.57	4.548		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-29.87	-0.28	29.87	23.20	6.67	4.476 CC		
300.00	299.98	299.15	299.13	3.44	3.44	43.69	-31.29	0.68	30.03	23.14	6.89	4.361 ES		
400.00	399.84	398.29	398.14	3.59	3.59	44.87	-35.56	3.56	30.50	23.30	7.20	4.235		
500.00	499.45	497.43	496.90	3.80	3.79	46.76	-42.65	8.36	31.32	23.70	7.62	4.112		
600.00	598.70	596.56	595.30	4.04	4.03	49.24	-52.58	15.07	32.51	24.40	8.11	4.007		
700.00	697.47	695.68	693.21	4.32	4.31	52.16	-65.31	23.68	34.13	25.45	8.68	3.930		
800.00	795.62	794.78	790.52	4.65	4.63	55.35	-80.84	34.17	36.21	26.89	9.32	3.885		
900.00	893.06	893.87	887.10	5.01	4.99	58.65	-99.15	46.55	38.80	28.78	10.02	3.872		
1,000.00	989.64	992.93	982.85	5.42	5.38	61.93	-120.21	60.78	41.92	31.12	10.79	3.884		
1,044.50	1,032.32	1,037.01	1,025.15	5.61	5.57	63.36	-130.46	67.71	43.48	32.32	11.16	3.897		
1,100.00	1,085.43	1,091.97	1,077.63	5.86	5.82	64.52	-143.99	76.86	45.81	34.18	11.63	3.939		
1,200.00	1,181.11	1,209.23	1,171.14	6.33	6.38	63.83	-170.40	94.70	51.51	38.91	12.60	4.087		
1,300.00	1,276.80	1,309.49	1,264.87	6.81	6.90	61.62	-198.66	113.81	58.42	44.90	13.53	4.318		
1,400.00	1,372.49	1,409.75	1,358.59	7.31	7.43	59.89	-226.92	132.91	65.40	50.93	14.48	4.518		
1,500.00	1,468.17	1,489.99	1,452.32	7.83	7.88	58.48	-255.18	152.01	72.43	57.09	15.35	4.720		
1,600.00	1,563.86	1,589.73	1,546.04	8.35	8.44	57.33	-283.45	171.11	79.50	63.17	16.33	4.869		
1,700.00	1,659.55	1,689.46	1,639.76	8.88	9.01	56.36	-311.71	190.22	86.59	69.26	17.32	4.998		
1,800.00	1,755.23	1,789.20	1,733.49	9.42	9.58	55.54	-339.97	209.32	93.70	75.37	18.33	5.111		
1,900.00	1,850.92	1,888.94	1,827.21	9.97	10.17	54.84	-368.23	228.42	100.83	81.48	19.35	5.210		
2,000.00	1,946.61	1,988.68	1,920.93	10.52	10.76	54.23	-396.49	247.52	107.97	87.59	20.38	5.297		
2,100.00	2,042.29	2,088.42	2,014.66	11.07	11.36	53.69	-424.76	266.63	115.12	93.70	21.42	5.375		
2,200.00	2,137.98	2,188.16	2,108.38	11.63	11.96	53.22	-453.02	285.73	122.28	99.82	22.46	5.444		
2,300.00	2,233.67	2,287.90	2,202.10	12.19	12.57	52.80	-481.28	304.83	129.45	105.94	23.51	5.506		
2,400.00	2,329.35	2,387.63	2,295.83	12.76	13.18	52.43	-509.54	323.93	136.62	112.06	24.56	5.562		
2,500.00	2,425.04	2,487.37	2,389.55	13.32	13.79	52.09	-537.81	343.04	143.80	118.18	25.62	5.612		
2,600.00	2,520.72	2,587.11	2,483.27	13.89	14.40	51.78	-566.07	362.14	150.99	124.30	26.69	5.658		
2,700.00	2,616.41	2,686.85	2,577.00	14.46	15.02	51.50	-594.33	381.24	158.18	130.42	27.75	5.700		
2,800.00	2,712.10	2,786.59	2,670.72	15.03	15.64	51.25	-622.59	400.35	165.37	136.55	28.82	5.738		
2,900.00	2,807.78	2,886.33	2,764.44	15.60	16.26	51.02	-650.86	419.45	172.56	142.67	29.89	5.772		
3,000.00	2,903.47	2,986.07	2,858.17	16.18	16.88	50.80	-679.12	438.55	179.76	148.79	30.97	5.804		
3,100.00	2,999.16	3,085.80	2,951.89	16.75	17.50	50.61	-707.38	457.65	186.96	154.91	32.05	5.834		
3,200.00	3,094.84	3,185.54	3,045.62	17.33	18.12	50.42	-735.64	476.76	194.16	161.03	33.13	5.861		
3,300.00	3,190.53	3,285.28	3,139.34	17.90	18.75	50.25	-763.90	495.86	201.36	167.16	34.21	5.886		
3,400.00	3,286.22	3,385.02	3,233.06	18.48	19.38	50.09	-792.17	514.96	208.57	173.28	35.29	5.910		
3,500.00	3,381.90	3,484.76	3,326.79	19.06	20.00	49.95	-820.43	534.06	215.77	179.40	36.38	5.932		
3,600.00	3,477.59	3,584.50	3,420.51	19.64	20.63	49.81	-848.69	553.17	222.98	185.52	37.46	5.952		
3,700.00	3,573.28	3,684.24	3,514.23	20.22	21.26	49.68	-876.95	572.27	230.19	191.64	38.55	5.971		
3,800.00	3,668.96	3,783.97	3,607.96	20.80	21.89	49.56	-905.22	591.37	237.40	197.76	39.64	5.989		
3,900.00	3,764.65	3,883.71	3,701.68	21.38	22.52	49.44	-933.48	610.47	244.61	203.88	40.73	6.006		
4,000.00	3,860.33	3,983.45	3,795.40	21.96	23.15	49.33	-961.74	629.58	251.82	210.01	41.82	6.022		
4,100.00	3,956.02	4,083.19	3,889.13	22.54	23.78	49.23	-990.00	648.68	259.04	216.13	42.91	6.037		
4,200.00	4,051.71	4,182.93	3,982.85	23.13	24.41	49.14	-1,018.27	667.78	266.25	222.25	44.00	6.051		
4,300.00	4,147.39	4,282.67	4,076.57	23.71	25.04	49.05	-1,046.53	686.88	273.46	228.37	45.10	6.064		
4,400.00	4,243.08	4,382.40	4,170.30	24.29	25.67	48.96	-1,074.79	705.99	280.68	234.49	46.19	6.077		
4,500.00	4,338.77	4,482.14	4,264.02	24.88	26.30	48.88	-1,103.05	725.09	287.89	240.61	47.28	6.089		
4,600.00	4,434.45	4,581.88	4,357.75	25.46	26.94	48.80	-1,131.31	744.19	295.11	246.73	48.38	6.100		
4,700.00	4,530.14	4,681.62	4,451.47	26.04	27.57	48.72	-1,159.58	763.30	302.33	252.85	49.48	6.111		
4,800.00	4,625.83	4,781.36	4,545.19	26.63	28.20	48.65	-1,187.84	782.40	309.54	258.97	50.57	6.121		
4,900.00	4,721.51	4,881.10	4,638.92	27.21	28.83	48.58	-1,216.10	801.50	316.76	265.09	51.67	6.130		
5,000.00	4,817.20	4,980.84	4,732.64	27.80	29.47	48.52	-1,244.36	820.60	323.98	271.21	52.77	6.140		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,080.57	4,826.36	28.38	30.10	48.46	-1,272.63	839.71	331.20	277.33	53.87	6.149		
5,200.00	5,008.57	5,180.31	4,920.09	28.97	30.74	48.40	-1,300.89	858.81	338.42	283.45	54.96	6.157		
5,300.00	5,104.26	5,280.05	5,013.81	29.55	31.37	48.34	-1,329.15	877.91	345.63	289.57	56.06	6.165		
5,400.00	5,199.94	5,379.79	5,107.53	30.14	32.01	48.29	-1,357.41	897.01	352.85	295.69	57.16	6.173		
5,500.00	5,295.63	5,479.53	5,201.26	30.72	32.64	48.24	-1,385.68	916.12	360.07	301.81	58.26	6.180		
5,600.00	5,391.32	5,579.27	5,294.98	31.31	33.28	48.18	-1,413.94	935.22	367.29	307.93	59.36	6.187		
5,700.00	5,487.00	5,679.01	5,388.70	31.90	33.91	48.14	-1,442.20	954.32	374.51	314.05	60.46	6.194		
5,800.00	5,582.69	5,778.74	5,482.43	32.48	34.55	48.09	-1,470.46	973.42	381.73	320.17	61.57	6.200		
5,900.00	5,678.38	5,878.48	5,576.15	33.07	35.18	48.05	-1,498.72	992.53	388.95	326.29	62.67	6.207		
6,000.00	5,774.06	5,978.22	5,669.87	33.65	35.82	48.00	-1,526.99	1,011.63	396.18	332.41	63.77	6.213		
6,100.00	5,869.75	6,077.96	5,763.60	34.24	36.45	47.96	-1,555.25	1,030.73	403.40	338.53	64.87	6.219		
6,200.00	5,965.44	6,177.70	5,857.32	34.83	37.09	47.92	-1,583.51	1,049.84	410.62	344.65	65.97	6.224		
6,300.00	6,061.12	6,277.44	5,951.05	35.41	37.73	47.88	-1,611.77	1,068.94	417.84	350.76	67.07	6.229		
6,400.00	6,156.81	6,377.18	6,044.77	36.00	38.36	47.84	-1,640.04	1,088.04	425.06	356.88	68.18	6.235		
6,500.00	6,252.50	6,476.91	6,138.49	36.59	39.00	47.81	-1,668.30	1,107.14	432.28	363.00	69.28	6.240		
6,600.00	6,348.18	6,576.65	6,232.22	37.18	39.63	47.77	-1,696.56	1,126.25	439.50	369.12	70.38	6.245		
6,636.04	6,382.67	6,612.60	6,266.00	37.39	39.86	47.76	-1,706.75	1,133.13	442.11	371.33	70.78	6.246		
6,650.00	6,396.05	6,626.52	6,279.08	37.47	39.95	44.54	-1,710.69	1,135.80	443.10	372.17	70.93	6.247		
6,700.00	6,444.38	6,676.30	6,325.86	37.74	40.27	29.84	-1,724.80	1,145.33	446.35	374.97	71.38	6.253		
6,750.00	6,493.07	6,725.71	6,372.29	37.98	40.59	10.56	-1,738.80	1,154.80	449.21	377.50	71.71	6.264		
6,800.00	6,541.82	6,774.45	6,418.09	38.18	40.90	-10.17	-1,752.61	1,164.13	451.84	379.91	71.93	6.282		
6,850.00	6,590.35	6,822.22	6,462.97	38.35	41.20	-28.25	-1,766.14	1,173.28	454.48	382.45	72.03	6.310		
6,900.00	6,638.34	6,868.71	6,506.66	38.50	41.50	-42.25	-1,779.32	1,182.18	457.48	385.43	72.05	6.350		
6,950.00	6,685.50	6,914.65	6,550.08	38.64	41.78	-52.76	-1,792.43	1,189.43	461.18	389.15	72.03	6.402		
7,000.00	6,731.54	6,961.97	6,595.20	38.77	42.04	-60.76	-1,806.08	1,193.46	465.68	393.62	72.06	6.462		
7,050.00	6,776.18	7,010.87	6,641.98	38.90	42.27	-67.08	-1,820.27	1,193.94	470.95	398.82	72.14	6.528		
7,100.00	6,819.14	7,061.52	6,690.30	39.03	42.48	-72.27	-1,834.97	1,190.48	476.95	404.69	72.26	6.601		
7,150.00	6,860.16	7,114.11	6,740.03	39.16	42.67	-76.65	-1,850.14	1,182.64	483.60	411.20	72.40	6.679		
7,200.00	6,898.98	7,168.85	6,790.94	39.31	42.83	-80.45	-1,865.71	1,169.96	490.80	418.26	72.54	6.766		
7,250.00	6,935.36	7,225.98	6,842.74	39.47	42.97	-83.78	-1,881.60	1,151.91	498.44	425.79	72.65	6.861		
7,300.00	6,969.08	7,285.70	6,894.99	39.65	43.11	-86.76	-1,897.68	1,127.92	506.37	433.67	72.70	6.965		
7,350.00	6,999.94	7,348.24	6,947.13	39.85	43.24	-89.43	-1,913.79	1,097.43	514.43	441.75	72.68	7.078		
7,400.00	7,027.74	7,413.79	6,998.42	40.08	43.38	-91.82	-1,929.71	1,059.89	522.43	449.83	72.60	7.196		
7,450.00	7,052.31	7,482.49	7,047.90	40.34	43.53	-93.95	-1,945.16	1,014.85	530.15	457.65	72.50	7.312		
7,500.00	7,073.49	7,554.42	7,094.38	40.63	43.71	-95.84	-1,959.76	962.00	537.40	464.92	72.48	7.415		
7,550.00	7,091.17	7,629.53	7,136.50	40.95	43.93	-97.46	-1,973.12	901.31	543.93	471.28	72.65	7.487		
7,600.00	7,105.22	7,707.64	7,172.72	41.31	44.21	-98.80	-1,984.76	833.15	549.53	476.37	73.17	7.511		
7,650.00	7,115.57	7,788.40	7,201.47	41.71	44.56	-99.85	-1,994.19	758.33	553.99	479.83	74.16	7.470		
7,700.00	7,122.15	7,871.28	7,221.31	42.15	45.00	-100.58	-2,000.97	678.21	557.14	481.40	75.74	7.356		
7,750.00	7,124.91	7,955.57	7,231.09	42.62	45.54	-100.97	-2,004.73	594.63	558.84	480.95	77.89	7.175		
7,759.54	7,125.00	7,971.75	7,231.75	42.72	45.65	-101.01	-2,005.08	578.47	558.99	480.63	78.36	7.134		
7,800.00	7,125.10	8,017.86	7,232.26	43.13	46.00	-101.05	-2,005.67	532.37	559.15	479.59	79.57	7.028		
7,900.00	7,125.34	8,117.86	7,233.07	44.28	46.88	-101.10	-2,006.87	432.38	559.45	477.26	82.19	6.807		
8,000.00	7,125.58	8,217.86	7,233.88	45.61	47.94	-101.16	-2,008.06	332.39	559.75	474.65	85.09	6.578		
8,100.00	7,125.82	8,317.85	7,234.69	47.10	49.18	-101.21	-2,009.25	232.40	560.04	471.78	88.26	6.345		
8,200.00	7,126.06	8,417.85	7,235.50	48.72	50.59	-101.26	-2,010.44	132.42	560.34	468.68	91.66	6.113		
8,300.00	7,126.30	8,517.85	7,236.30	50.48	52.16	-101.32	-2,011.63	32.43	560.64	465.37	95.26	5.885		
8,400.00	7,126.54	8,617.85	7,237.11	52.34	53.85	-101.37	-2,012.82	-67.56	560.93	461.88	99.06	5.663		
8,500.00	7,126.78	8,717.85	7,237.92	54.30	55.67	-101.42	-2,014.01	-167.55	561.23	458.22	103.01	5.448		
8,600.00	7,127.02	8,817.84	7,238.73	56.35	57.59	-101.48	-2,015.21	-267.54	561.53	454.42	107.11	5.243		
8,700.00	7,127.26	8,917.84	7,239.53	58.47	59.61	-101.53	-2,016.40	-367.52	561.83	450.50	111.34	5.046		
8,800.00	7,127.50	9,017.84	7,240.34	60.66	61.70	-101.58	-2,017.59	-467.51	562.13	446.45	115.68	4.859		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	9,117.84	7,241.15	62.90	63.85	-101.63	-2,018.78	-567.50	562.43	442.31	120.12	4.682		
9,000.00	7,127.98	9,217.84	7,241.96	65.19	66.07	-101.69	-2,019.97	-667.49	562.73	438.08	124.66	4.514		
9,100.00	7,128.22	9,317.84	7,242.77	67.53	68.35	-101.74	-2,021.16	-767.47	563.03	433.76	129.27	4.355		
9,200.00	7,128.46	9,417.83	7,243.57	69.92	70.66	-101.79	-2,022.35	-867.46	563.34	429.38	133.96	4.205		
9,300.00	7,128.70	9,517.83	7,244.38	72.33	73.03	-101.84	-2,023.55	-967.45	563.64	424.93	138.71	4.063		
9,400.00	7,128.94	9,617.83	7,245.19	74.78	75.42	-101.90	-2,024.74	-1,067.44	563.94	420.42	143.52	3.929		
9,500.00	7,129.18	9,717.83	7,246.00	77.26	77.86	-101.95	-2,025.93	-1,167.43	564.24	415.86	148.38	3.803		
9,600.00	7,129.42	9,817.83	7,246.80	79.76	80.32	-102.00	-2,027.12	-1,267.41	564.55	411.25	153.29	3.683		
9,700.00	7,129.66	9,917.82	7,247.61	82.29	82.81	-102.05	-2,028.31	-1,367.40	564.85	406.61	158.24	3.569		
9,800.00	7,129.90	10,017.82	7,248.42	84.84	85.32	-102.11	-2,029.50	-1,467.39	565.16	401.92	163.23	3.462		
9,900.00	7,130.14	10,117.82	7,249.23	87.41	87.85	-102.16	-2,030.70	-1,567.38	565.46	397.20	168.26	3.361		
10,000.00	7,130.38	10,217.82	7,250.04	90.00	90.41	-102.21	-2,031.89	-1,667.36	565.77	392.45	173.31	3.264		
10,100.00	7,130.62	10,317.82	7,250.84	92.60	92.98	-102.26	-2,033.08	-1,767.35	566.07	387.67	178.40	3.173		
10,200.00	7,130.86	10,417.82	7,251.65	95.22	95.57	-102.31	-2,034.27	-1,867.34	566.38	382.87	183.51	3.086		
10,300.00	7,131.09	10,517.81	7,252.46	97.85	98.18	-102.37	-2,035.46	-1,967.33	566.69	378.04	188.64	3.004		
10,400.00	7,131.33	10,617.81	7,253.27	100.50	100.80	-102.42	-2,036.65	-2,067.32	566.99	373.19	193.80	2.926		
10,500.00	7,131.57	10,717.81	7,254.07	103.16	103.43	-102.47	-2,037.84	-2,167.30	567.30	368.32	198.98	2.851		
10,600.00	7,131.81	10,817.81	7,254.88	105.82	106.08	-102.52	-2,039.04	-2,267.29	567.61	363.44	204.17	2.780		
10,700.00	7,132.05	10,917.81	7,255.69	108.50	108.73	-102.57	-2,040.23	-2,367.28	567.92	358.54	209.38	2.712		
10,800.00	7,132.29	11,017.81	7,256.50	111.19	111.40	-102.63	-2,041.42	-2,467.27	568.23	353.62	214.61	2.648		
10,900.00	7,132.53	11,117.80	7,257.31	113.88	114.08	-102.68	-2,042.61	-2,567.26	568.54	348.69	219.85	2.586		
11,000.00	7,132.77	11,217.80	7,258.11	116.58	116.76	-102.73	-2,043.80	-2,667.24	568.85	343.75	225.10	2.527		
11,100.00	7,133.01	11,317.80	7,258.92	119.29	119.45	-102.78	-2,044.99	-2,767.23	569.16	338.79	230.37	2.471		
11,200.00	7,133.25	11,417.80	7,259.73	122.01	122.15	-102.83	-2,046.18	-2,867.22	569.47	333.83	235.64	2.417		
11,300.00	7,133.49	11,517.80	7,260.54	124.73	124.86	-102.88	-2,047.38	-2,967.21	569.78	328.86	240.93	2.365		
11,400.00	7,133.73	11,617.79	7,261.34	127.46	127.57	-102.94	-2,048.57	-3,067.19	570.09	323.87	246.22	2.315		
11,500.00	7,133.97	11,717.79	7,262.15	130.19	130.29	-102.99	-2,049.76	-3,167.18	570.41	318.88	251.52	2.268		
11,600.00	7,134.21	11,817.79	7,262.96	132.93	133.02	-103.04	-2,050.95	-3,267.17	570.72	313.88	256.84	2.222		
11,700.00	7,134.45	11,917.79	7,263.77	135.68	135.75	-103.09	-2,052.14	-3,367.16	571.03	308.88	262.15	2.178		
11,800.00	7,134.69	12,017.79	7,264.58	138.43	138.49	-103.14	-2,053.33	-3,467.15	571.35	303.87	267.48	2.136		
11,900.00	7,134.93	12,117.79	7,265.38	141.18	141.23	-103.19	-2,054.53	-3,567.13	571.66	298.85	272.81	2.095		
12,000.00	7,135.17	12,217.78	7,266.19	143.94	143.98	-103.24	-2,055.72	-3,667.12	571.98	293.83	278.15	2.056		
12,100.00	7,135.41	12,317.78	7,267.00	146.70	146.73	-103.29	-2,056.91	-3,767.11	572.29	288.80	283.49	2.019		
12,200.00	7,135.65	12,417.78	7,267.81	149.46	149.48	-103.34	-2,058.10	-3,867.10	572.61	283.77	288.83	1.982		
12,300.00	7,135.89	12,517.78	7,268.61	152.23	152.24	-103.40	-2,059.29	-3,967.09	572.92	278.74	294.19	1.947		
12,400.00	7,136.13	12,617.78	7,269.42	155.00	155.00	-103.45	-2,060.48	-4,067.07	573.24	273.70	299.54	1.914		
12,500.00	7,136.37	12,717.77	7,270.23	157.78	157.76	-103.50	-2,061.67	-4,167.06	573.56	268.66	304.90	1.881		
12,600.00	7,136.61	12,817.77	7,271.04	160.55	160.53	-103.55	-2,062.87	-4,267.05	573.87	263.61	310.26	1.850		
12,700.00	7,136.85	12,917.77	7,271.85	163.33	163.30	-103.60	-2,064.06	-4,367.04	574.19	258.57	315.63	1.819		
12,800.00	7,137.09	13,017.77	7,272.65	166.12	166.08	-103.65	-2,065.25	-4,467.02	574.51	253.52	320.99	1.790		
12,900.00	7,137.33	13,117.77	7,273.46	168.90	168.86	-103.70	-2,066.44	-4,567.01	574.83	248.47	326.36	1.761		
13,000.00	7,137.57	13,217.77	7,274.27	171.69	171.63	-103.75	-2,067.63	-4,667.00	575.15	243.41	331.74	1.734		
13,100.00	7,137.81	13,317.76	7,275.08	174.48	174.42	-103.80	-2,068.82	-4,766.99	575.47	238.36	337.11	1.707		
13,200.00	7,138.05	13,417.76	7,275.88	177.27	177.20	-103.85	-2,070.01	-4,866.98	575.79	233.30	342.49	1.681		
13,300.00	7,138.29	13,517.76	7,276.69	180.07	179.99	-103.90	-2,071.21	-4,966.96	576.11	228.25	347.86	1.656 SF		
13,400.00	7,138.53	13,555.88	7,277.00	182.86	181.05	-103.92	-2,071.66	-5,005.08	579.74	231.16	348.58	1.663		
13,500.00	7,138.77	13,555.88	7,277.00	185.66	181.05	-103.92	-2,071.66	-5,005.08	599.04	260.02	339.02	1.767		
13,600.00	7,139.01	13,555.88	7,277.00	188.46	181.05	-103.92	-2,071.66	-5,005.08	633.71	311.17	322.54	1.965		
13,700.00	7,139.25	13,555.88	7,277.00	191.26	181.05	-103.92	-2,071.66	-5,005.08	681.42	379.07	302.35	2.254		
13,800.00	7,139.49	13,555.88	7,277.00	194.06	181.05	-103.92	-2,071.66	-5,005.08	739.65	458.48	281.17	2.631		
13,900.00	7,139.73	13,555.88	7,277.00	196.87	181.05	-103.92	-2,071.66	-5,005.08	806.12	545.35	260.77	3.091		
14,000.00	7,139.97	13,555.88	7,277.00	199.68	181.05	-103.92	-2,071.66	-5,005.08	878.96	636.91	242.05	3.631		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	13,555.88	7,277.00	202.48	181.05	-103.92	-2,071.66	-5,005.08	956.72	731.39	225.33	4.246		
14,200.00	7,140.45	13,555.88	7,277.00	205.29	181.05	-103.92	-2,071.66	-5,005.08	1,038.30	827.67	210.62	4.930		
14,300.00	7,140.69	13,555.88	7,277.00	208.10	181.05	-103.92	-2,071.66	-5,005.08	1,122.86	925.08	197.77	5.678		
14,400.00	7,140.93	13,555.88	7,277.00	210.91	181.05	-103.92	-2,071.66	-5,005.08	1,209.77	1,023.20	186.57	6.484		
14,500.00	7,141.17	13,555.88	7,277.00	213.73	181.05	-103.92	-2,071.66	-5,005.08	1,298.57	1,121.76	176.81	7.344		
14,600.00	7,141.41	13,555.88	7,277.00	216.54	181.05	-103.92	-2,071.66	-5,005.08	1,388.90	1,220.61	168.29	8.253		
14,700.00	7,141.65	13,555.88	7,277.00	219.36	181.05	-103.92	-2,071.66	-5,005.08	1,480.47	1,319.65	160.82	9.206		
14,800.00	7,141.89	13,555.88	7,277.00	222.17	181.05	-103.92	-2,071.66	-5,005.08	1,573.06	1,418.80	154.27	10.197		
14,900.00	7,142.13	13,555.88	7,277.00	224.99	181.05	-103.92	-2,071.66	-5,005.08	1,666.52	1,518.02	148.49	11.223		
15,000.00	7,142.36	13,555.88	7,277.00	227.81	181.05	-103.92	-2,071.66	-5,005.08	1,760.69	1,617.31	143.38	12.280		
15,100.00	7,142.60	13,555.88	7,277.00	230.63	181.05	-103.92	-2,071.66	-5,005.08	1,855.47	1,716.62	138.85	13.363		
15,200.00	7,142.84	13,555.88	7,277.00	233.45	181.05	-103.92	-2,071.66	-5,005.08	1,950.77	1,815.96	134.81	14.470		
15,300.00	7,143.08	13,555.88	7,277.00	236.27	181.05	-103.92	-2,071.66	-5,005.08	2,046.52	1,915.32	131.21	15.598		
15,400.00	7,143.32	13,555.88	7,277.00	239.09	181.05	-103.92	-2,071.66	-5,005.08	2,142.66	2,014.69	127.97	16.743		
15,500.00	7,143.56	13,555.88	7,277.00	241.91	181.05	-103.92	-2,071.66	-5,005.08	2,239.14	2,114.07	125.07	17.903		
15,600.00	7,143.80	13,555.88	7,277.00	244.73	181.05	-103.92	-2,071.66	-5,005.08	2,335.91	2,213.46	122.45	19.076		
15,700.00	7,144.04	13,555.88	7,277.00	247.56	181.05	-103.92	-2,071.66	-5,005.08	2,432.95	2,312.86	120.08	20.260		
15,800.00	7,144.28	13,555.88	7,277.00	250.38	181.05	-103.92	-2,071.66	-5,005.08	2,530.21	2,412.27	117.94	21.453		
15,900.00	7,144.52	13,555.88	7,277.00	253.21	181.05	-103.92	-2,071.66	-5,005.08	2,627.68	2,511.69	115.99	22.654		
16,000.00	7,144.76	13,555.88	7,277.00	256.03	181.05	-103.92	-2,071.66	-5,005.08	2,725.34	2,611.12	114.22	23.860		
16,100.00	7,145.00	13,555.88	7,277.00	258.86	181.05	-103.92	-2,071.66	-5,005.08	2,823.16	2,710.55	112.60	25.072		
16,200.00	7,145.24	13,555.88	7,277.00	261.69	181.05	-103.92	-2,071.66	-5,005.08	2,921.12	2,810.00	111.13	26.286		
16,300.00	7,145.48	13,555.88	7,277.00	264.52	181.05	-103.92	-2,071.66	-5,005.08	3,019.22	2,909.45	109.77	27.504		
16,400.00	7,145.72	13,555.88	7,277.00	267.35	181.05	-103.92	-2,071.66	-5,005.08	3,117.44	3,008.91	108.53	28.724		
16,500.00	7,145.96	13,555.88	7,277.00	270.18	181.05	-103.92	-2,071.66	-5,005.08	3,215.77	3,108.38	107.39	29.944		
16,600.00	7,146.20	13,555.88	7,277.00	273.01	181.05	-103.92	-2,071.66	-5,005.08	3,314.20	3,207.86	106.34	31.165		
16,700.00	7,146.44	13,555.88	7,277.00	275.84	181.05	-103.92	-2,071.66	-5,005.08	3,412.72	3,307.35	105.38	32.386		
16,800.00	7,146.68	13,555.88	7,277.00	278.67	181.05	-103.92	-2,071.66	-5,005.08	3,511.33	3,406.85	104.48	33.607		
16,900.00	7,146.92	13,555.88	7,277.00	281.50	181.05	-103.92	-2,071.66	-5,005.08	3,610.01	3,506.35	103.66	34.826		
17,000.00	7,147.16	13,555.88	7,277.00	284.33	181.05	-103.92	-2,071.66	-5,005.08	3,708.76	3,605.87	102.90	36.044		
17,100.00	7,147.40	13,555.88	7,277.00	287.16	181.05	-103.92	-2,071.66	-5,005.08	3,807.58	3,705.39	102.19	37.260		
17,200.00	7,147.64	13,555.88	7,277.00	290.00	181.05	-103.92	-2,071.66	-5,005.08	3,906.46	3,804.92	101.53	38.474		
17,300.00	7,147.88	13,555.88	7,277.00	292.83	181.05	-103.92	-2,071.66	-5,005.08	4,005.39	3,904.46	100.93	39.686		
17,400.00	7,148.12	13,555.88	7,277.00	295.66	181.05	-103.92	-2,071.66	-5,005.08	4,104.38	4,004.01	100.36	40.896		
17,500.00	7,148.36	13,555.88	7,277.00	298.50	181.05	-103.92	-2,071.66	-5,005.08	4,203.41	4,103.57	99.84	42.102		
17,600.00	7,148.60	13,555.88	7,277.00	301.33	181.05	-103.92	-2,071.66	-5,005.08	4,302.49	4,203.14	99.35	43.306		
17,700.00	7,148.84	13,555.88	7,277.00	304.17	181.05	-103.92	-2,071.66	-5,005.08	4,401.61	4,302.71	98.90	44.506		
17,800.00	7,149.08	13,555.88	7,277.00	307.00	181.05	-103.92	-2,071.66	-5,005.08	4,500.76	4,402.29	98.48	45.704		
17,900.00	7,149.32	13,555.88	7,277.00	309.84	181.05	-103.92	-2,071.66	-5,005.08	4,599.96	4,501.88	98.08	46.898		
18,000.00	7,149.56	13,555.88	7,277.00	312.68	181.05	-103.92	-2,071.66	-5,005.08	4,699.19	4,601.47	97.72	48.089		
18,100.00	7,149.80	13,555.88	7,277.00	315.51	181.05	-103.92	-2,071.66	-5,005.08	4,798.45	4,701.07	97.38	49.277		
18,200.00	7,150.04	13,555.88	7,277.00	318.35	181.05	-103.92	-2,071.66	-5,005.08	4,897.74	4,800.68	97.06	50.461		
18,300.00	7,150.28	13,555.88	7,277.00	321.19	181.05	-103.92	-2,071.66	-5,005.08	4,997.06	4,900.29	96.77	51.641		
18,400.00	7,150.52	13,555.88	7,277.00	324.03	181.05	-103.92	-2,071.66	-5,005.08	5,096.41	4,999.92	96.49	52.818		
18,500.00	7,150.76	13,555.88	7,277.00	326.86	181.05	-103.92	-2,071.66	-5,005.08	5,195.78	5,099.54	96.23	53.991		
18,600.00	7,151.00	13,555.88	7,277.00	329.70	181.05	-103.92	-2,071.66	-5,005.08	5,295.17	5,199.18	96.00	55.161		
18,700.00	7,151.24	13,555.88	7,277.00	332.54	181.05	-103.92	-2,071.66	-5,005.08	5,394.59	5,298.82	95.77	56.326		
18,800.00	7,151.48	13,555.88	7,277.00	335.38	181.05	-103.92	-2,071.66	-5,005.08	5,494.03	5,398.46	95.57	57.488		
18,900.00	7,151.72	13,555.88	7,277.00	338.22	181.05	-103.92	-2,071.66	-5,005.08	5,593.49	5,498.11	95.38	58.647		
19,000.00	7,151.96	13,555.88	7,277.00	341.06	181.05	-103.92	-2,071.66	-5,005.08	5,692.96	5,597.76	95.20	59.801		
19,018.30	7,152.00	13,555.88	7,277.00	341.58	181.05	-103.92	-2,071.66	-5,005.08	5,711.17	5,616.00	95.17	60.012		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-178.93	-14.94	-0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	-178.93	-14.94	-0.28	14.94	8.37	6.57	2.275		
200.00	200.00	200.00	200.00	3.34	3.34	-178.93	-14.94	-0.28	14.94	8.27	6.67	2.239 CC		
300.00	299.98	299.58	299.56	3.44	3.44	44.45	-16.35	0.73	15.08	8.19	6.89	2.189		
400.00	399.84	399.16	399.00	3.59	3.59	46.30	-20.56	3.76	15.49	8.29	7.20	2.151		
500.00	499.45	498.74	498.20	3.80	3.79	49.16	-27.59	8.79	16.22	8.60	7.62	2.130		
600.00	598.70	598.31	597.03	4.04	4.03	52.74	-37.40	15.83	17.29	9.18	8.11	2.132		
700.00	697.47	697.87	695.37	4.32	4.31	56.72	-50.01	24.87	18.76	10.08	8.68	2.161		
800.00	795.62	797.42	793.10	4.65	4.64	60.77	-65.38	35.90	20.65	11.33	9.32	2.217		
900.00	893.06	896.96	890.10	5.01	5.00	64.66	-83.49	48.89	22.99	12.97	10.02	2.294		
1,000.00	989.64	996.48	986.26	5.42	5.40	68.24	-104.33	63.84	25.79	14.99	10.81	2.387		
1,044.50	1,032.32	1,040.76	1,028.74	5.61	5.59	69.71	-114.48	71.11	27.19	16.01	11.18	2.432		
1,100.00	1,085.43	1,095.98	1,081.44	5.86	5.84	70.47	-127.87	80.72	29.23	17.57	11.66	2.507		
1,200.00	1,181.11	1,195.36	1,175.45	6.33	6.31	67.53	-154.04	99.49	34.15	21.59	12.56	2.719		
1,300.00	1,276.80	1,304.85	1,269.33	6.81	6.87	63.36	-181.55	119.22	40.00	26.47	13.53	2.957		
1,400.00	1,372.49	1,405.06	1,363.20	7.31	7.41	60.27	-209.06	138.95	46.00	31.53	14.47	3.179		
1,500.00	1,468.17	1,505.26	1,457.08	7.83	7.96	57.90	-236.57	158.68	52.11	36.68	15.43	3.378		
1,600.00	1,563.86	1,605.47	1,550.95	8.35	8.52	56.02	-264.08	178.41	58.29	41.88	16.40	3.554		
1,700.00	1,659.55	1,705.68	1,644.83	8.88	9.10	54.51	-291.58	198.14	64.51	47.13	17.39	3.710		
1,800.00	1,755.23	1,805.89	1,738.71	9.42	9.68	53.26	-319.09	217.87	70.78	52.39	18.39	3.850		
1,900.00	1,850.92	1,893.91	1,832.58	9.97	10.20	52.22	-346.60	237.61	77.07	57.74	19.33	3.987		
2,000.00	1,946.61	2,006.30	1,926.46	10.52	10.86	51.34	-374.11	257.34	83.38	62.98	20.41	4.086		
2,100.00	2,042.29	2,106.51	2,020.33	11.07	11.46	50.58	-401.62	277.07	89.72	68.28	21.43	4.186		
2,200.00	2,137.98	2,206.71	2,114.21	11.63	12.07	49.92	-429.13	296.80	96.06	73.60	22.46	4.276		
2,300.00	2,233.67	2,306.92	2,208.08	12.19	12.68	49.34	-456.63	316.53	102.42	78.92	23.50	4.358		
2,400.00	2,329.35	2,407.13	2,301.96	12.76	13.29	48.83	-484.14	336.26	108.78	84.24	24.54	4.433		
2,500.00	2,425.04	2,507.34	2,395.83	13.32	13.90	48.37	-511.65	355.99	115.15	89.57	25.58	4.501		
2,600.00	2,520.72	2,607.54	2,489.71	13.89	14.52	47.97	-539.16	375.72	121.53	94.90	26.63	4.563		
2,700.00	2,616.41	2,707.75	2,583.58	14.46	15.14	47.60	-566.67	395.45	127.92	100.23	27.69	4.620		
2,800.00	2,712.10	2,807.96	2,677.46	15.03	15.76	47.27	-594.18	415.18	134.31	105.56	28.74	4.673		
2,900.00	2,807.78	2,908.17	2,771.33	15.60	16.38	46.97	-621.69	434.91	140.70	110.90	29.80	4.721		
3,000.00	2,903.47	3,008.37	2,865.21	16.18	17.00	46.69	-649.19	454.64	147.10	116.23	30.86	4.766		
3,100.00	2,999.16	3,108.58	2,959.09	16.75	17.63	46.44	-676.70	474.37	153.50	121.57	31.93	4.808		
3,200.00	3,094.84	3,208.79	3,052.96	17.33	18.25	46.21	-704.21	494.10	159.90	126.91	32.99	4.846		
3,300.00	3,190.53	3,308.99	3,146.84	17.90	18.88	45.99	-731.72	513.83	166.31	132.24	34.06	4.882		
3,400.00	3,286.22	3,390.80	3,240.71	18.48	19.39	45.80	-759.23	533.56	172.71	137.68	35.03	4.930		
3,500.00	3,381.90	3,509.41	3,334.59	19.06	20.13	45.61	-786.74	553.29	179.12	142.92	36.20	4.948		
3,600.00	3,477.59	3,609.62	3,428.46	19.64	20.76	45.44	-814.25	573.02	185.53	148.26	37.28	4.977		
3,700.00	3,573.28	3,690.18	3,522.34	20.22	21.27	45.28	-841.75	592.75	191.95	153.70	38.24	5.019		
3,800.00	3,668.96	3,789.97	3,616.21	20.80	21.90	45.13	-869.26	612.48	198.36	159.04	39.32	5.045		
3,900.00	3,764.65	3,889.76	3,710.09	21.38	22.53	44.99	-896.77	632.21	204.77	164.39	40.39	5.070		
4,000.00	3,860.33	3,989.56	3,803.96	21.96	23.15	44.86	-924.28	651.95	211.19	169.73	41.46	5.093		
4,100.00	3,956.02	4,089.35	3,897.84	22.54	23.78	44.74	-951.79	671.68	217.61	175.07	42.54	5.115		
4,200.00	4,051.71	4,189.14	3,991.72	23.13	24.41	44.62	-979.30	691.41	224.03	180.41	43.62	5.136		
4,300.00	4,147.39	4,288.93	4,085.59	23.71	25.04	44.51	-1,006.80	711.14	230.45	185.75	44.70	5.156		
4,400.00	4,243.08	4,388.73	4,179.47	24.29	25.68	44.41	-1,034.31	730.87	236.87	191.09	45.78	5.175		
4,500.00	4,338.77	4,488.52	4,273.34	24.88	26.31	44.31	-1,061.82	750.60	243.29	196.43	46.86	5.192		
4,600.00	4,434.45	4,588.31	4,367.22	25.46	26.94	44.21	-1,089.33	770.33	249.71	201.77	47.94	5.209		
4,700.00	4,530.14	4,688.11	4,461.09	26.04	27.57	44.12	-1,116.84	790.06	256.13	207.11	49.02	5.225		
4,800.00	4,625.83	4,787.90	4,554.97	26.63	28.20	44.04	-1,144.35	809.79	262.55	212.45	50.10	5.241		
4,900.00	4,721.51	4,887.69	4,648.84	27.21	28.83	43.96	-1,171.86	829.52	268.98	217.80	51.18	5.255		
5,000.00	4,817.20	4,987.48	4,742.72	27.80	29.47	43.88	-1,199.36	849.25	275.40	223.14	52.26	5.270		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,087.28	4,836.59	28.38	30.10	43.81	-1,226.87	868.98	281.82	228.48	53.35	5.283		
5,200.00	5,008.57	5,187.07	4,930.47	28.97	30.73	43.74	-1,254.38	888.71	288.25	233.82	54.43	5.296		
5,300.00	5,104.26	5,286.86	5,024.34	29.55	31.37	43.67	-1,281.89	908.44	294.67	239.16	55.51	5.308		
5,400.00	5,199.94	5,386.66	5,118.22	30.14	32.00	43.61	-1,309.40	928.17	301.10	244.50	56.60	5.320		
5,500.00	5,295.63	5,486.45	5,212.10	30.72	32.63	43.55	-1,336.91	947.90	307.52	249.84	57.68	5.331		
5,600.00	5,391.32	5,586.24	5,305.97	31.31	33.27	43.49	-1,364.42	967.63	313.95	255.18	58.77	5.342		
5,700.00	5,487.00	5,686.03	5,399.85	31.90	33.90	43.43	-1,391.92	987.36	320.38	260.52	59.85	5.353		
5,800.00	5,582.69	5,785.83	5,493.72	32.48	34.54	43.38	-1,419.43	1,007.09	326.80	265.86	60.94	5.363		
5,900.00	5,678.38	5,885.62	5,587.60	33.07	35.17	43.32	-1,446.94	1,026.82	333.23	271.20	62.03	5.372		
6,000.00	5,774.06	5,985.41	5,681.47	33.65	35.81	43.27	-1,474.45	1,046.56	339.66	276.55	63.11	5.382		
6,100.00	5,869.75	6,085.20	5,775.35	34.24	36.44	43.23	-1,501.96	1,066.29	346.09	281.89	64.20	5.391		
6,200.00	5,965.44	6,185.00	5,869.22	34.83	37.08	43.18	-1,529.47	1,086.02	352.51	287.23	65.29	5.399		
6,300.00	6,061.12	6,284.79	5,963.10	35.41	37.71	43.13	-1,556.97	1,105.75	358.94	292.57	66.37	5.408		
6,400.00	6,156.81	6,384.58	6,056.97	36.00	38.35	43.09	-1,584.48	1,125.48	365.37	297.91	67.46	5.416		
6,500.00	6,252.50	6,484.38	6,150.85	36.59	38.98	43.05	-1,611.99	1,145.21	371.80	303.25	68.55	5.424		
6,600.00	6,348.18	6,584.17	6,244.73	37.18	39.62	43.01	-1,639.50	1,164.94	378.23	308.59	69.64	5.431		
6,636.04	6,382.67	6,620.14	6,278.56	37.39	39.85	42.99	-1,649.42	1,172.05	380.54	310.51	70.03	5.434		
6,650.00	6,396.05	6,634.06	6,291.66	37.47	39.93	39.76	-1,653.25	1,174.80	381.44	311.26	70.18	5.435		
6,700.00	6,444.38	6,683.85	6,338.50	37.74	40.25	24.98	-1,666.98	1,184.65	384.55	313.94	70.61	5.446		
6,750.00	6,493.07	6,732.85	6,384.98	37.98	40.54	5.94	-1,680.59	1,191.95	387.64	316.68	70.96	5.463		
6,800.00	6,541.82	6,782.29	6,432.30	38.18	40.80	-14.09	-1,694.43	1,195.55	390.73	319.46	71.27	5.482		
6,850.00	6,590.35	6,832.10	6,480.10	38.35	41.03	-31.05	-1,708.39	1,195.31	393.81	322.24	71.57	5.502		
6,900.00	6,638.34	6,882.29	6,528.10	38.50	41.23	-43.60	-1,722.39	1,191.12	396.86	325.00	71.86	5.523		
6,950.00	6,685.50	6,932.85	6,575.99	38.64	41.39	-52.53	-1,736.34	1,182.94	399.86	327.70	72.16	5.541		
7,000.00	6,731.54	6,983.81	6,623.48	38.77	41.54	-58.96	-1,750.15	1,170.71	402.78	330.31	72.47	5.558		
7,050.00	6,776.18	7,035.16	6,670.23	38.90	41.66	-63.72	-1,763.74	1,154.43	405.61	332.80	72.81	5.571		
7,100.00	6,819.14	7,086.90	6,715.92	39.03	41.78	-67.35	-1,776.99	1,134.11	408.33	335.14	73.18	5.579		
7,150.00	6,860.16	7,139.03	6,760.20	39.16	41.90	-70.21	-1,789.81	1,109.80	410.90	337.32	73.59	5.584		
7,200.00	6,898.98	7,191.55	6,802.73	39.31	42.01	-72.50	-1,802.11	1,081.58	413.32	339.28	74.04	5.583		
7,250.00	6,935.36	7,244.44	6,843.17	39.47	42.14	-74.36	-1,813.78	1,049.57	415.56	341.02	74.54	5.575		
7,300.00	6,969.08	7,297.69	6,881.17	39.65	42.27	-75.91	-1,824.72	1,013.92	417.59	342.50	75.09	5.561		
7,350.00	6,999.94	7,351.28	6,916.39	39.85	42.42	-77.20	-1,834.83	974.84	419.41	343.69	75.72	5.539		
7,400.00	7,027.74	7,405.19	6,948.52	40.08	42.59	-78.28	-1,844.02	932.56	420.99	344.55	76.44	5.507		
7,450.00	7,052.31	7,459.39	6,977.25	40.34	42.78	-79.18	-1,852.21	887.36	422.31	345.06	77.25	5.467		
7,500.00	7,073.49	7,513.85	7,002.29	40.63	43.01	-79.93	-1,859.31	839.54	423.36	345.19	78.17	5.416		
7,550.00	7,091.17	7,568.54	7,023.41	40.95	43.27	-80.54	-1,865.25	789.47	424.13	344.94	79.19	5.356		
7,600.00	7,105.22	7,623.41	7,040.38	41.31	43.57	-81.04	-1,869.97	737.51	424.61	344.28	80.33	5.286		
7,650.00	7,115.57	7,678.44	7,053.02	41.71	43.91	-81.41	-1,873.43	684.09	424.79	343.22	81.57	5.208		
7,700.00	7,122.15	7,733.57	7,061.20	42.15	44.29	-81.68	-1,875.57	629.63	424.67	341.76	82.90	5.122		
7,750.00	7,124.91	7,788.76	7,064.83	42.62	44.72	-81.85	-1,876.38	574.59	424.24	339.92	84.32	5.031		
7,759.54	7,125.00	7,799.29	7,065.00	42.72	44.81	-81.86	-1,876.38	564.05	424.12	339.53	84.59	5.014		
7,800.00	7,125.10	7,839.75	7,065.34	43.13	45.17	-81.89	-1,876.30	523.59	423.60	337.97	85.64	4.946		
7,900.00	7,125.34	7,939.74	7,066.16	44.28	46.16	-81.94	-1,876.09	423.60	422.32	333.94	88.39	4.778		
8,000.00	7,125.58	8,039.73	7,066.99	45.61	47.33	-82.00	-1,875.88	323.62	421.04	329.64	91.40	4.606		
8,100.00	7,125.82	8,139.73	7,067.81	47.10	48.67	-82.05	-1,875.67	223.63	419.76	325.10	94.66	4.434		
8,200.00	7,126.06	8,239.72	7,068.64	48.72	50.17	-82.11	-1,875.46	123.64	418.48	320.34	98.14	4.264		
8,300.00	7,126.30	8,339.71	7,069.47	50.48	51.82	-82.17	-1,875.25	23.66	417.20	315.38	101.82	4.097		
8,400.00	7,126.54	8,439.70	7,070.29	52.34	53.59	-82.23	-1,875.04	-76.33	415.92	310.25	105.67	3.936		
8,500.00	7,126.78	8,539.69	7,071.12	54.30	55.47	-82.28	-1,874.84	-176.32	414.64	304.96	109.69	3.780		
8,600.00	7,127.02	8,639.68	7,071.94	56.35	57.45	-82.34	-1,874.63	-276.31	413.37	299.53	113.84	3.631		
8,700.00	7,127.26	8,739.67	7,072.77	58.47	59.51	-82.40	-1,874.42	-376.29	412.09	293.97	118.12	3.489		
8,800.00	7,127.50	8,839.66	7,073.59	60.66	61.64	-82.46	-1,874.21	-476.28	410.81	288.30	122.51	3.353		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,939.65	7,074.42	62.90	63.84	-82.52	-1,874.00	-576.27	409.53	282.52	127.01	3.224		
9,000.00	7,127.98	9,039.64	7,075.25	65.19	66.10	-82.58	-1,873.79	-676.26	408.26	276.66	131.60	3.102		
9,100.00	7,128.22	9,139.63	7,076.07	67.53	68.41	-82.64	-1,873.58	-776.24	406.98	270.71	136.27	2.987		
9,200.00	7,128.46	9,239.63	7,076.90	69.92	70.76	-82.70	-1,873.37	-876.23	405.71	264.69	141.02	2.877		
9,300.00	7,128.70	9,339.62	7,077.72	72.33	73.15	-82.76	-1,873.16	-976.22	404.43	258.60	145.83	2.773		
9,400.00	7,128.94	9,439.61	7,078.55	74.78	75.57	-82.82	-1,872.95	-1,076.21	403.16	252.45	150.71	2.675		
9,500.00	7,129.18	9,539.60	7,079.37	77.26	78.03	-82.88	-1,872.74	-1,176.19	401.88	246.25	155.64	2.582		
9,600.00	7,129.42	9,639.59	7,080.20	79.76	80.52	-82.94	-1,872.54	-1,276.18	400.61	239.99	160.62	2.494		
9,700.00	7,129.66	9,739.58	7,081.03	82.29	83.03	-83.00	-1,872.33	-1,376.17	399.33	233.69	165.64	2.411		
9,800.00	7,129.90	9,839.57	7,081.85	84.84	85.56	-83.07	-1,872.12	-1,476.15	398.06	227.35	170.71	2.332		
9,900.00	7,130.14	9,939.56	7,082.68	87.41	88.12	-83.13	-1,871.91	-1,576.14	396.79	220.97	175.82	2.257		
10,000.00	7,130.38	10,039.55	7,083.50	90.00	90.69	-83.19	-1,871.70	-1,676.13	395.52	214.55	180.97	2.186		
10,100.00	7,130.62	10,139.54	7,084.33	92.60	93.28	-83.26	-1,871.49	-1,776.12	394.25	208.10	186.14	2.118		
10,200.00	7,130.86	10,239.54	7,085.16	95.22	95.89	-83.32	-1,871.28	-1,876.10	392.97	201.63	191.35	2.054		
10,300.00	7,131.09	10,339.53	7,085.98	97.85	98.51	-83.38	-1,871.07	-1,976.09	391.70	195.12	196.58	1.993		
10,400.00	7,131.33	10,439.52	7,086.81	100.50	101.15	-83.45	-1,870.86	-2,076.08	390.43	188.59	201.84	1.934		
10,500.00	7,131.57	10,539.51	7,087.63	103.16	103.80	-83.51	-1,870.65	-2,176.07	389.17	182.04	207.13	1.879		
10,600.00	7,131.81	10,639.50	7,088.46	105.82	106.46	-83.58	-1,870.44	-2,276.05	387.90	175.46	212.43	1.826		
10,700.00	7,132.05	10,739.49	7,089.28	108.50	109.13	-83.65	-1,870.23	-2,376.04	386.63	168.87	217.76	1.775		
10,800.00	7,132.29	10,839.48	7,090.11	111.19	111.81	-83.71	-1,870.03	-2,476.03	385.36	162.25	223.11	1.727		
10,900.00	7,132.53	10,939.47	7,090.94	113.88	114.49	-83.78	-1,869.82	-2,576.01	384.09	155.62	228.47	1.681		
11,000.00	7,132.77	11,039.46	7,091.76	116.58	117.19	-83.85	-1,869.61	-2,676.00	382.83	148.98	233.85	1.637		
11,100.00	7,133.01	11,139.45	7,092.59	119.29	119.90	-83.92	-1,869.40	-2,775.99	381.56	142.31	239.25	1.595		
11,200.00	7,133.25	11,239.44	7,093.41	122.01	122.61	-83.98	-1,869.19	-2,875.98	380.29	135.64	244.66	1.554		
11,300.00	7,133.49	11,339.44	7,094.24	124.73	125.33	-84.05	-1,868.98	-2,975.96	379.03	128.95	250.08	1.516		
11,400.00	7,133.73	11,439.43	7,095.07	127.46	128.05	-84.12	-1,868.77	-3,075.95	377.76	122.24	255.52	1.478	Level 3	
11,500.00	7,133.97	11,539.42	7,095.89	130.19	130.78	-84.19	-1,868.56	-3,175.94	376.50	115.53	260.97	1.443	Level 3	
11,600.00	7,134.21	11,639.41	7,096.72	132.93	133.52	-84.26	-1,868.35	-3,275.93	375.24	108.80	266.43	1.408	Level 3	
11,700.00	7,134.45	11,739.40	7,097.54	135.68	136.26	-84.33	-1,868.14	-3,375.91	373.97	102.07	271.91	1.375	Level 3	
11,800.00	7,134.69	11,839.39	7,098.37	138.43	139.01	-84.41	-1,867.93	-3,475.90	372.71	95.32	277.39	1.344	Level 3	
11,900.00	7,134.93	11,939.38	7,099.19	141.18	141.76	-84.48	-1,867.72	-3,575.89	371.45	88.57	282.88	1.313	Level 3	
12,000.00	7,135.17	12,039.37	7,100.02	143.94	144.51	-84.55	-1,867.52	-3,675.88	370.19	81.80	288.39	1.284	Level 3	
12,100.00	7,135.41	12,139.36	7,100.85	146.70	147.27	-84.62	-1,867.31	-3,775.86	368.93	75.03	293.90	1.255	Level 3	
12,200.00	7,135.65	12,239.35	7,101.67	149.46	150.04	-84.70	-1,867.10	-3,875.85	367.67	68.25	299.42	1.228	Level 2	
12,300.00	7,135.89	12,339.35	7,102.50	152.23	152.80	-84.77	-1,866.89	-3,975.84	366.41	61.46	304.94	1.202	Level 2	
12,400.00	7,136.13	12,439.34	7,103.32	155.00	155.57	-84.84	-1,866.68	-4,075.82	365.15	54.67	310.48	1.176	Level 2	
12,500.00	7,136.37	12,539.33	7,104.15	157.78	158.35	-84.92	-1,866.47	-4,175.81	363.89	47.87	316.02	1.151	Level 2	
12,600.00	7,136.61	12,639.32	7,104.97	160.55	161.12	-84.99	-1,866.26	-4,275.80	362.63	41.06	321.57	1.128	Level 2	
12,700.00	7,136.85	12,739.31	7,105.80	163.33	163.90	-85.07	-1,866.05	-4,375.79	361.38	34.25	327.13	1.105	Level 2	
12,800.00	7,137.09	12,839.30	7,106.63	166.12	166.69	-85.15	-1,865.84	-4,475.77	360.12	27.43	332.69	1.082	Level 2	
12,900.00	7,137.33	12,939.29	7,107.45	168.90	169.47	-85.22	-1,865.63	-4,575.76	358.86	20.61	338.26	1.061	Level 2	
13,000.00	7,137.57	13,039.28	7,108.28	171.69	172.26	-85.30	-1,865.42	-4,675.75	357.61	13.78	343.83	1.040	Level 2	
13,100.00	7,137.81	13,139.27	7,109.10	174.48	175.05	-85.38	-1,865.21	-4,775.74	356.36	6.95	349.41	1.020	Level 2	
13,200.00	7,138.05	13,239.26	7,109.93	177.27	177.84	-85.46	-1,865.01	-4,875.72	355.10	0.11	354.99	1.000	Level 2	
13,300.00	7,138.29	13,339.25	7,110.76	180.07	180.63	-85.54	-1,864.80	-4,975.71	353.85	-6.73	360.58	0.981	Level 1	
13,336.01	7,138.37	13,375.26	7,111.05	181.07	181.64	-85.56	-1,864.72	-5,011.72	353.40	-9.20	362.60	0.975	Level 1, ES, SF	
13,400.00	7,138.53	13,368.87	7,111.00	182.86	181.46	-85.56	-1,864.73	-5,005.32	359.55	3.04	356.51	1.009	Level 2	
13,500.00	7,138.77	13,368.87	7,111.00	185.66	181.46	-85.56	-1,864.73	-5,005.32	390.47	60.62	329.85	1.184	Level 2	
13,600.00	7,139.01	13,368.87	7,111.00	188.46	181.46	-85.56	-1,864.73	-5,005.32	442.34	148.68	293.66	1.506		
13,700.00	7,139.25	13,368.87	7,111.00	191.26	181.46	-85.56	-1,864.73	-5,005.32	508.78	250.37	258.40	1.969		
13,800.00	7,139.49	13,368.87	7,111.00	194.06	181.46	-85.56	-1,864.73	-5,005.32	584.85	356.58	228.27	2.562		
13,900.00	7,139.73	13,368.87	7,111.00	196.87	181.46	-85.56	-1,864.73	-5,005.32	667.26	463.47	203.79	3.274		

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	13,368.87	7,111.00	199.68	181.46	-85.56	-1,864.73	-5,005.32	753.94	569.73	184.21	4.093		
14,100.00	7,140.21	13,368.87	7,111.00	202.48	181.46	-85.56	-1,864.73	-5,005.32	843.58	675.02	168.56	5.005		
14,200.00	7,140.45	13,368.87	7,111.00	205.29	181.46	-85.56	-1,864.73	-5,005.32	935.31	779.35	155.97	5.997		
14,300.00	7,140.69	13,368.87	7,111.00	208.10	181.46	-85.56	-1,864.73	-5,005.32	1,028.59	882.85	145.75	7.057		
14,400.00	7,140.93	13,368.87	7,111.00	210.91	181.46	-85.56	-1,864.73	-5,005.32	1,123.03	985.65	137.38	8.175		
14,500.00	7,141.17	13,368.87	7,111.00	213.73	181.46	-85.56	-1,864.73	-5,005.32	1,218.35	1,087.89	130.46	9.339		
14,600.00	7,141.41	13,368.87	7,111.00	216.54	181.46	-85.56	-1,864.73	-5,005.32	1,314.37	1,189.67	124.70	10.540		
14,700.00	7,141.65	13,368.87	7,111.00	219.36	181.46	-85.56	-1,864.73	-5,005.32	1,410.95	1,291.09	119.86	11.772		
14,800.00	7,141.89	13,368.87	7,111.00	222.17	181.46	-85.56	-1,864.73	-5,005.32	1,507.97	1,392.21	115.76	13.027		
14,900.00	7,142.13	13,368.87	7,111.00	224.99	181.46	-85.56	-1,864.73	-5,005.32	1,605.35	1,493.09	112.26	14.300		
15,000.00	7,142.36	13,368.87	7,111.00	227.81	181.46	-85.56	-1,864.73	-5,005.32	1,703.04	1,593.77	109.27	15.586		
15,100.00	7,142.60	13,368.87	7,111.00	230.63	181.46	-85.56	-1,864.73	-5,005.32	1,800.98	1,694.30	106.68	16.882		
15,200.00	7,142.84	13,368.87	7,111.00	233.45	181.46	-85.56	-1,864.73	-5,005.32	1,899.14	1,794.70	104.44	18.184		
15,300.00	7,143.08	13,368.87	7,111.00	236.27	181.46	-85.56	-1,864.73	-5,005.32	1,997.48	1,894.99	102.49	19.490		
15,400.00	7,143.32	13,368.87	7,111.00	239.09	181.46	-85.56	-1,864.73	-5,005.32	2,095.98	1,995.20	100.78	20.798		
15,500.00	7,143.56	13,368.87	7,111.00	241.91	181.46	-85.56	-1,864.73	-5,005.32	2,194.61	2,095.34	99.27	22.107		
15,600.00	7,143.80	13,368.87	7,111.00	244.73	181.46	-85.56	-1,864.73	-5,005.32	2,293.36	2,195.41	97.95	23.414		
15,700.00	7,144.04	13,368.87	7,111.00	247.56	181.46	-85.56	-1,864.73	-5,005.32	2,392.21	2,295.44	96.77	24.719		
15,800.00	7,144.28	13,368.87	7,111.00	250.38	181.46	-85.56	-1,864.73	-5,005.32	2,491.16	2,395.43	95.73	26.022		
15,900.00	7,144.52	13,368.87	7,111.00	253.21	181.46	-85.56	-1,864.73	-5,005.32	2,590.19	2,495.38	94.81	27.321		
16,000.00	7,144.76	13,368.87	7,111.00	256.03	181.46	-85.56	-1,864.73	-5,005.32	2,689.29	2,595.31	93.98	28.616		
16,100.00	7,145.00	13,368.87	7,111.00	258.86	181.46	-85.56	-1,864.73	-5,005.32	2,788.45	2,695.21	93.24	29.907		
16,200.00	7,145.24	13,368.87	7,111.00	261.69	181.46	-85.56	-1,864.73	-5,005.32	2,887.67	2,795.10	92.57	31.194		
16,300.00	7,145.48	13,368.87	7,111.00	264.52	181.46	-85.56	-1,864.73	-5,005.32	2,986.95	2,894.97	91.98	32.475		
16,400.00	7,145.72	13,368.87	7,111.00	267.35	181.46	-85.56	-1,864.73	-5,005.32	3,086.27	2,994.83	91.44	33.752		
16,500.00	7,145.96	13,368.87	7,111.00	270.18	181.46	-85.56	-1,864.73	-5,005.32	3,185.63	3,094.67	90.96	35.024		
16,600.00	7,146.20	13,368.87	7,111.00	273.01	181.46	-85.56	-1,864.73	-5,005.32	3,285.03	3,194.51	90.52	36.291		
16,700.00	7,146.44	13,368.87	7,111.00	275.84	181.46	-85.56	-1,864.73	-5,005.32	3,384.47	3,294.34	90.13	37.553		
16,800.00	7,146.68	13,368.87	7,111.00	278.67	181.46	-85.56	-1,864.73	-5,005.32	3,483.93	3,394.16	89.77	38.809		
16,900.00	7,146.92	13,368.87	7,111.00	281.50	181.46	-85.56	-1,864.73	-5,005.32	3,583.43	3,493.98	89.45	40.061		
17,000.00	7,147.16	13,368.87	7,111.00	284.33	181.46	-85.56	-1,864.73	-5,005.32	3,682.96	3,593.80	89.16	41.308		
17,100.00	7,147.40	13,368.87	7,111.00	287.16	181.46	-85.56	-1,864.73	-5,005.32	3,782.51	3,693.61	88.90	42.549		
17,200.00	7,147.64	13,368.87	7,111.00	290.00	181.46	-85.56	-1,864.73	-5,005.32	3,882.08	3,793.42	88.66	43.786		
17,300.00	7,147.88	13,368.87	7,111.00	292.83	181.46	-85.56	-1,864.73	-5,005.32	3,981.68	3,893.23	88.45	45.018		
17,400.00	7,148.12	13,368.87	7,111.00	295.66	181.46	-85.56	-1,864.73	-5,005.32	4,081.29	3,993.04	88.25	46.245		
17,500.00	7,148.36	13,368.87	7,111.00	298.50	181.46	-85.56	-1,864.73	-5,005.32	4,180.93	4,092.85	88.08	47.467		
17,600.00	7,148.60	13,368.87	7,111.00	301.33	181.46	-85.56	-1,864.73	-5,005.32	4,280.58	4,192.65	87.93	48.684		
17,700.00	7,148.84	13,368.87	7,111.00	304.17	181.46	-85.56	-1,864.73	-5,005.32	4,380.24	4,292.46	87.79	49.897		
17,800.00	7,149.08	13,368.87	7,111.00	307.00	181.46	-85.56	-1,864.73	-5,005.32	4,479.92	4,392.26	87.66	51.105		
17,900.00	7,149.32	13,368.87	7,111.00	309.84	181.46	-85.56	-1,864.73	-5,005.32	4,579.62	4,492.07	87.55	52.308		
18,000.00	7,149.56	13,368.87	7,111.00	312.68	181.46	-85.56	-1,864.73	-5,005.32	4,679.33	4,591.87	87.45	53.507		
18,100.00	7,149.80	13,368.87	7,111.00	315.51	181.46	-85.56	-1,864.73	-5,005.32	4,779.05	4,691.68	87.37	54.701		
18,200.00	7,150.04	13,368.87	7,111.00	318.35	181.46	-85.56	-1,864.73	-5,005.32	4,878.78	4,791.49	87.29	55.891		
18,300.00	7,150.28	13,368.87	7,111.00	321.19	181.46	-85.56	-1,864.73	-5,005.32	4,978.52	4,891.30	87.23	57.076		
18,400.00	7,150.52	13,368.87	7,111.00	324.03	181.46	-85.56	-1,864.73	-5,005.32	5,078.27	4,991.10	87.17	58.257		
18,500.00	7,150.76	13,368.87	7,111.00	326.86	181.46	-85.56	-1,864.73	-5,005.32	5,178.04	5,090.91	87.12	59.434		
18,600.00	7,151.00	13,368.87	7,111.00	329.70	181.46	-85.56	-1,864.73	-5,005.32	5,277.81	5,190.72	87.08	60.606		
18,700.00	7,151.24	13,368.87	7,111.00	332.54	181.46	-85.56	-1,864.73	-5,005.32	5,377.59	5,290.54	87.05	61.774		
18,800.00	7,151.48	13,368.87	7,111.00	335.38	181.46	-85.56	-1,864.73	-5,005.32	5,477.38	5,390.35	87.03	62.938		
18,900.00	7,151.72	13,368.87	7,111.00	338.22	181.46	-85.56	-1,864.73	-5,005.32	5,577.17	5,490.16	87.01	64.098		
19,000.00	7,151.96	13,368.87	7,111.00	341.06	181.46	-85.56	-1,864.73	-5,005.32	5,676.97	5,589.97	87.00	65.253		
19,018.30	7,152.00	13,368.87	7,111.00	341.58	181.46	-85.56	-1,864.73	-5,005.32	5,695.24	5,608.24	87.00	65.464		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-89.99	-0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-89.99	-0.83	89.99	83.42	6.57	13.699		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-89.99	-0.83	89.99	83.32	6.67	13.484		
300.00	299.98	299.98	299.98	3.44	3.44	44.07	-89.99	-0.83	88.73	81.84	6.89	12.886		
400.00	399.84	397.26	397.25	3.59	3.59	45.97	-91.49	-0.14	86.54	79.35	7.19	12.036		
500.00	499.45	494.64	494.49	3.80	3.78	48.53	-95.98	1.95	85.05	77.46	7.59	11.210		
600.00	598.70	592.08	591.58	4.04	4.00	51.73	-103.48	5.42	84.40	76.33	8.07	10.460		
618.25	616.76	609.87	609.27	4.09	4.05	52.37	-105.18	6.21	84.39	76.22	8.17	10.334 CC		
700.00	697.47	689.59	688.39	4.32	4.26	55.48	-113.98	10.29	84.74	76.12	8.62	9.826 ES		
800.00	795.62	787.15	784.80	4.65	4.55	59.64	-127.47	16.55	86.21	76.97	9.24	9.328		
900.00	893.06	884.74	880.68	5.01	4.88	64.05	-143.94	24.19	88.96	79.04	9.92	8.965		
1,000.00	989.64	982.35	975.92	5.42	5.24	68.50	-163.36	33.19	93.09	82.43	10.67	8.729		
1,044.50	1,032.32	1,025.79	1,018.05	5.61	5.41	70.45	-172.95	37.64	95.39	84.37	11.02	8.658		
1,100.00	1,085.43	1,079.99	1,070.39	5.86	5.63	72.60	-185.72	43.56	98.82	87.35	11.48	8.612		
1,200.00	1,181.11	1,177.68	1,164.01	6.33	6.06	74.91	-211.00	55.29	106.72	94.38	12.34	8.648		
1,300.00	1,276.80	1,275.19	1,256.47	6.81	6.52	75.49	-239.12	68.33	116.50	103.25	13.25	8.794		
1,400.00	1,372.49	1,372.32	1,347.45	7.31	7.01	74.70	-269.94	82.62	128.07	113.89	14.18	9.029		
1,500.00	1,468.17	1,468.83	1,436.67	7.83	7.53	72.92	-303.32	98.10	141.51	126.37	15.14	9.349		
1,600.00	1,563.86	1,564.53	1,523.86	8.35	8.08	70.50	-339.09	114.69	157.02	140.93	16.09	9.758		
1,700.00	1,659.55	1,659.50	1,609.05	8.88	8.67	67.69	-377.17	132.35	174.83	157.79	17.04	10.259		
1,800.00	1,755.23	1,757.30	1,696.17	9.42	9.30	65.02	-417.49	151.05	193.90	175.85	18.04	10.746		
1,900.00	1,850.92	1,855.10	1,783.29	9.97	9.95	62.83	-457.81	169.75	213.30	194.24	19.06	11.192		
2,000.00	1,946.61	1,952.90	1,870.41	10.52	10.61	61.01	-498.13	188.45	232.96	212.87	20.08	11.600		
2,100.00	2,042.29	2,050.71	1,957.52	11.07	11.29	59.47	-538.45	207.15	252.80	231.69	21.12	11.971		
2,200.00	2,137.98	2,148.51	2,044.64	11.63	11.97	58.16	-578.78	225.85	272.80	250.64	22.16	12.310		
2,300.00	2,233.67	2,246.31	2,131.76	12.19	12.66	57.02	-619.10	244.55	292.92	269.71	23.21	12.619		
2,400.00	2,329.35	2,344.11	2,218.88	12.76	13.36	56.03	-659.42	263.25	313.13	288.86	24.27	12.902		
2,500.00	2,425.04	2,441.91	2,306.00	13.32	14.07	55.16	-699.74	281.94	333.43	308.09	25.33	13.161		
2,600.00	2,520.72	2,539.71	2,393.11	13.89	14.78	54.39	-740.06	300.64	353.79	327.38	26.40	13.399		
2,700.00	2,616.41	2,637.51	2,480.23	14.46	15.49	53.70	-780.38	319.34	374.20	346.72	27.48	13.618		
2,800.00	2,712.10	2,735.31	2,567.35	15.03	16.21	53.09	-820.70	338.04	394.66	366.10	28.56	13.820		
2,900.00	2,807.78	2,833.11	2,654.47	15.60	16.93	52.53	-861.03	356.74	415.16	385.52	29.64	14.006		
3,000.00	2,903.47	2,930.92	2,741.59	16.18	17.65	52.03	-901.35	375.44	435.69	404.96	30.73	14.179		
3,100.00	2,999.16	3,028.72	2,828.70	16.75	18.37	51.57	-941.67	394.14	456.25	424.44	31.82	14.340		
3,200.00	3,094.84	3,126.52	2,915.82	17.33	19.10	51.15	-981.99	412.84	476.84	443.93	32.91	14.489		
3,300.00	3,190.53	3,224.32	3,002.94	17.90	19.83	50.77	-1,022.31	431.54	497.45	463.44	34.01	14.628		
3,400.00	3,286.22	3,322.12	3,090.06	18.48	20.56	50.42	-1,062.63	450.24	518.08	482.98	35.10	14.758		
3,500.00	3,381.90	3,419.92	3,177.18	19.06	21.29	50.09	-1,102.95	468.94	538.73	502.52	36.21	14.880		
3,600.00	3,477.59	3,517.72	3,264.29	19.64	22.03	49.79	-1,143.27	487.64	559.39	522.08	37.31	14.994		
3,700.00	3,573.28	3,615.52	3,351.41	20.22	22.76	49.51	-1,183.60	506.34	580.07	541.65	38.41	15.101		
3,800.00	3,668.96	3,713.32	3,438.53	20.80	23.50	49.25	-1,223.92	525.04	600.76	561.24	39.52	15.202		
3,900.00	3,764.65	3,811.12	3,525.65	21.38	24.24	49.00	-1,264.24	543.74	621.46	580.83	40.63	15.297		
4,000.00	3,860.33	3,908.93	3,612.77	21.96	24.98	48.78	-1,304.56	562.44	642.17	600.43	41.73	15.387		
4,100.00	3,956.02	4,006.73	3,699.89	22.54	25.71	48.56	-1,344.88	581.14	662.88	620.04	42.85	15.472		
4,200.00	4,051.71	4,104.53	3,787.00	23.13	26.45	48.36	-1,385.20	599.83	683.61	639.65	43.96	15.552		
4,300.00	4,147.39	4,202.33	3,874.12	23.71	27.19	48.17	-1,425.52	618.53	704.35	659.28	45.07	15.628		
4,400.00	4,243.08	4,300.13	3,961.24	24.29	27.94	47.99	-1,465.85	637.23	725.09	678.90	46.18	15.700		
4,500.00	4,338.77	4,402.07	4,048.36	24.88	28.71	47.83	-1,506.17	655.93	745.84	698.51	47.33	15.760		
4,600.00	4,434.45	4,504.27	4,135.48	25.46	29.49	47.67	-1,546.49	674.63	766.59	718.12	48.47	15.816		
4,700.00	4,530.14	4,606.47	4,222.59	26.04	30.26	47.52	-1,586.81	693.33	787.35	737.74	49.61	15.870		
4,800.00	4,625.83	4,708.67	4,309.71	26.63	31.04	47.37	-1,627.13	712.03	808.11	757.36	50.76	15.921		
4,900.00	4,721.51	4,789.14	4,396.83	27.21	31.65	47.24	-1,667.45	730.73	828.88	777.11	51.77	16.011		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,886.94	4,483.95	27.80	32.40	47.11	-1,707.77	749.43	849.66	796.77	52.89	16.065		
5,100.00	4,912.89	4,984.74	4,571.07	28.38	33.14	46.99	-1,748.09	768.13	870.43	816.43	54.01	16.117		
5,200.00	5,008.57	5,082.54	4,658.18	28.97	33.89	46.87	-1,788.42	786.83	891.21	836.09	55.13	16.166		
5,300.00	5,104.26	5,180.34	4,745.30	29.55	34.63	46.76	-1,828.74	805.53	912.00	855.75	56.25	16.213		
5,400.00	5,199.94	5,278.14	4,832.42	30.14	35.38	46.65	-1,869.06	824.23	932.79	875.41	57.37	16.259		
5,500.00	5,295.63	5,375.94	4,919.54	30.72	36.12	46.55	-1,909.38	842.93	953.58	895.08	58.49	16.302		
5,600.00	5,391.32	5,473.74	5,006.66	31.31	36.87	46.45	-1,949.70	861.63	974.37	914.75	59.62	16.344		
5,700.00	5,487.00	5,571.54	5,093.78	31.90	37.62	46.35	-1,990.02	880.33	995.17	934.42	60.74	16.384		
5,800.00	5,582.69	5,669.34	5,180.89	32.48	38.36	46.26	-2,030.34	899.03	1,015.96	954.10	61.86	16.422		
5,900.00	5,678.38	5,767.15	5,268.01	33.07	39.11	46.18	-2,070.67	917.73	1,036.76	973.78	62.99	16.460		
6,000.00	5,774.06	5,864.95	5,355.13	33.65	39.86	46.10	-2,110.99	936.42	1,057.57	993.45	64.11	16.495		
6,100.00	5,869.75	5,962.75	5,442.25	34.24	40.61	46.02	-2,151.31	955.12	1,078.37	1,013.13	65.24	16.530		
6,200.00	5,965.44	6,060.55	5,529.37	34.83	41.35	45.94	-2,191.63	973.82	1,099.18	1,032.81	66.36	16.563		
6,300.00	6,061.12	6,158.35	5,616.48	35.41	42.10	45.86	-2,231.95	992.52	1,119.99	1,052.50	67.49	16.595		
6,400.00	6,156.81	6,256.15	5,703.60	36.00	42.85	45.79	-2,272.27	1,011.22	1,140.80	1,072.18	68.62	16.626		
6,500.00	6,252.50	6,353.95	5,790.72	36.59	43.60	45.72	-2,312.59	1,029.92	1,161.61	1,091.87	69.74	16.656		
6,600.00	6,348.18	6,451.75	5,877.84	37.18	44.35	45.66	-2,352.91	1,048.62	1,182.42	1,111.55	70.87	16.684		
6,636.04	6,382.67	6,487.00	5,909.24	37.39	44.62	45.64	-2,367.45	1,055.36	1,189.92	1,118.65	71.28	16.695		
6,650.00	6,396.05	6,500.65	5,921.40	37.47	44.72	45.60	-2,373.08	1,057.97	1,192.82	1,121.39	71.43	16.699		
6,700.00	6,444.38	6,549.46	5,964.87	37.74	45.09	28.76	-2,393.20	1,067.30	1,202.96	1,131.02	71.94	16.722		
6,750.00	6,493.07	6,602.10	6,008.02	37.98	45.50	10.65	-2,413.17	1,076.56	1,212.76	1,140.35	72.41	16.749		
6,800.00	6,541.82	6,645.67	6,050.57	38.18	45.83	-8.64	-2,432.86	1,085.70	1,222.22	1,149.46	72.76	16.799		
6,850.00	6,590.35	6,692.47	6,092.26	38.35	46.19	-25.04	-2,452.16	1,094.65	1,231.38	1,158.30	73.07	16.851		
6,900.00	6,638.34	6,738.02	6,132.84	38.50	46.54	-37.19	-2,470.94	1,103.36	1,240.31	1,166.97	73.34	16.911		
6,950.00	6,685.50	6,782.04	6,172.05	38.64	46.88	-45.84	-2,489.09	1,111.77	1,249.14	1,175.56	73.57	16.979		
7,000.00	6,731.54	6,824.25	6,209.65	38.77	47.20	-52.08	-2,506.49	1,119.84	1,257.96	1,184.19	73.77	17.053		
7,050.00	6,776.18	6,864.40	6,245.41	38.90	47.51	-56.71	-2,523.04	1,127.52	1,266.93	1,192.99	73.94	17.134		
7,100.00	6,819.14	6,902.24	6,279.12	39.03	47.80	-60.23	-2,538.64	1,134.75	1,276.20	1,202.11	74.09	17.224		
7,150.00	6,860.16	6,937.53	6,310.55	39.16	48.07	-62.95	-2,553.19	1,141.50	1,285.91	1,211.68	74.23	17.323		
7,200.00	6,898.98	6,970.06	6,339.53	39.31	48.32	-65.04	-2,566.60	1,147.72	1,296.21	1,221.85	74.36	17.432		
7,250.00	6,935.36	7,000.38	6,365.86	39.47	48.55	-66.62	-2,578.79	1,153.37	1,307.23	1,232.74	74.49	17.548		
7,300.00	6,969.08	7,026.04	6,389.40	39.65	48.74	-67.75	-2,589.68	1,158.42	1,319.11	1,244.49	74.62	17.677		
7,350.00	6,999.94	7,049.15	6,409.98	39.85	48.92	-68.45	-2,599.21	1,162.84	1,331.93	1,257.16	74.77	17.813		
7,400.00	7,027.74	7,068.81	6,427.49	40.08	49.07	-68.76	-2,607.31	1,166.60	1,345.76	1,270.83	74.93	17.959		
7,450.00	7,052.31	7,084.89	6,441.82	40.34	49.20	-68.68	-2,613.95	1,169.68	1,360.65	1,285.53	75.12	18.113		
7,500.00	7,073.49	7,102.69	6,452.88	40.63	49.33	-68.22	-2,619.06	1,172.05	1,376.58	1,301.22	75.36	18.266		
7,550.00	7,091.17	7,105.97	6,460.60	40.95	49.36	-67.39	-2,622.64	1,173.71	1,393.54	1,317.98	75.56	18.442		
7,600.00	7,105.22	7,110.84	6,464.93	41.31	49.39	-66.20	-2,624.64	1,174.64	1,411.45	1,335.62	75.82	18.615		
7,650.00	7,115.57	7,111.87	6,465.85	41.71	49.40	-64.68	-2,625.07	1,174.83	1,430.20	1,354.09	76.10	18.793		
7,700.00	7,122.15	7,109.06	6,463.35	42.15	49.38	-62.84	-2,623.91	1,174.30	1,449.65	1,373.25	76.40	18.974		
7,750.00	7,124.91	7,102.44	6,457.45	42.62	49.33	-60.72	-2,621.18	1,173.03	1,469.65	1,392.94	76.71	19.159		
7,759.54	7,125.00	7,100.74	6,455.94	42.72	49.32	-60.29	-2,620.48	1,172.71	1,473.51	1,396.74	76.77	19.194		
7,800.00	7,125.10	7,106.74	6,449.27	43.13	49.36	-59.98	-2,617.39	1,171.28	1,490.35	1,413.23	77.11	19.327		
7,900.00	7,125.34	8,464.86	7,232.86	44.28	54.23	-94.05	-2,975.21	421.63	1,521.08	1,432.79	88.29	17.229		
8,000.00	7,125.58	8,564.85	7,233.44	45.61	54.88	-94.07	-2,974.94	321.64	1,519.84	1,428.62	91.23	16.660		
8,100.00	7,125.82	8,664.84	7,234.02	47.10	55.68	-94.08	-2,974.68	221.65	1,518.61	1,424.19	94.42	16.084		
8,200.00	7,126.06	8,764.83	7,234.60	48.72	56.63	-94.10	-2,974.42	121.66	1,517.37	1,419.53	97.84	15.509		
8,300.00	7,126.30	8,864.82	7,235.18	50.48	57.75	-94.12	-2,974.16	21.67	1,516.14	1,414.67	101.46	14.942		
8,400.00	7,126.54	8,964.81	7,235.76	52.34	59.05	-94.13	-2,973.90	-78.32	1,514.90	1,409.63	105.27	14.390		
8,500.00	7,126.78	9,064.80	7,236.34	54.30	60.50	-94.15	-2,973.64	-178.31	1,513.67	1,404.42	109.25	13.855		
8,600.00	7,127.02	9,164.80	7,236.92	56.35	62.10	-94.17	-2,973.38	-278.30	1,512.43	1,399.06	113.37	13.341		
8,700.00	7,127.26	9,264.79	7,237.50	58.47	63.83	-94.18	-2,973.12	-378.29	1,511.20	1,393.57	117.62	12.848		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	9,364.78	7,238.09	60.66	65.69	-94.20	-2,972.85	-478.28	1,509.96	1,387.97	121.99	12.378		
8,900.00	7,127.74	9,464.77	7,238.67	62.90	67.64	-94.22	-2,972.59	-578.26	1,508.73	1,382.26	126.47	11.930		
9,000.00	7,127.98	9,564.76	7,239.25	65.19	69.68	-94.23	-2,972.33	-678.25	1,507.49	1,376.45	131.04	11.504		
9,100.00	7,128.22	9,664.75	7,239.83	67.53	71.80	-94.25	-2,972.07	-778.24	1,506.26	1,370.56	135.70	11.100		
9,200.00	7,128.46	9,764.74	7,240.41	69.92	73.98	-94.26	-2,971.81	-878.23	1,505.03	1,364.60	140.43	10.717		
9,300.00	7,128.70	9,864.74	7,240.99	72.33	76.22	-94.28	-2,971.55	-978.22	1,503.79	1,358.56	145.23	10.355		
9,400.00	7,128.94	9,964.73	7,241.57	74.78	78.51	-94.30	-2,971.29	-1,078.21	1,502.56	1,352.46	150.09	10.011		
9,500.00	7,129.18	10,064.72	7,242.15	77.26	80.85	-94.31	-2,971.03	-1,178.20	1,501.32	1,346.31	155.02	9.685		
9,600.00	7,129.42	10,164.71	7,242.73	79.76	83.22	-94.33	-2,970.77	-1,278.19	1,500.09	1,340.10	159.99	9.376		
9,700.00	7,129.66	10,264.70	7,243.31	82.29	85.64	-94.35	-2,970.50	-1,378.18	1,498.86	1,333.85	165.01	9.084		
9,800.00	7,129.90	10,364.69	7,243.90	84.84	88.08	-94.36	-2,970.24	-1,478.17	1,497.62	1,327.56	170.07	8.806		
9,900.00	7,130.14	10,464.68	7,244.48	87.41	90.55	-94.38	-2,969.98	-1,578.16	1,496.39	1,321.22	175.17	8.543		
10,000.00	7,130.38	10,564.68	7,245.06	90.00	93.05	-94.40	-2,969.72	-1,678.15	1,495.16	1,314.85	180.30	8.292		
10,100.00	7,130.62	10,664.67	7,245.64	92.60	95.57	-94.41	-2,969.46	-1,778.14	1,493.93	1,308.45	185.47	8.055		
10,200.00	7,130.86	10,764.66	7,246.22	95.22	98.11	-94.43	-2,969.20	-1,878.13	1,492.69	1,302.02	190.67	7.829		
10,300.00	7,131.09	10,864.65	7,246.80	97.85	100.67	-94.45	-2,968.94	-1,978.12	1,491.46	1,295.56	195.90	7.614		
10,400.00	7,131.33	10,964.64	7,247.38	100.50	103.25	-94.46	-2,968.68	-2,078.11	1,490.23	1,289.08	201.15	7.409		
10,500.00	7,131.57	11,064.63	7,247.96	103.16	105.84	-94.48	-2,968.41	-2,178.10	1,489.00	1,282.57	206.42	7.213		
10,600.00	7,131.81	11,164.62	7,248.54	105.82	108.45	-94.50	-2,968.15	-2,278.08	1,487.76	1,276.05	211.72	7.027		
10,700.00	7,132.05	11,264.62	7,249.12	108.50	111.07	-94.52	-2,967.89	-2,378.07	1,486.53	1,269.50	217.03	6.849		
10,800.00	7,132.29	11,364.61	7,249.70	111.19	113.70	-94.53	-2,967.63	-2,478.06	1,485.30	1,262.93	222.37	6.680		
10,900.00	7,132.53	11,464.60	7,250.29	113.88	116.35	-94.55	-2,967.37	-2,578.05	1,484.07	1,256.35	227.72	6.517		
11,000.00	7,132.77	11,564.59	7,250.87	116.58	119.01	-94.57	-2,967.11	-2,678.04	1,482.84	1,249.75	233.09	6.362		
11,100.00	7,133.01	11,664.58	7,251.45	119.29	121.67	-94.58	-2,966.85	-2,778.03	1,481.60	1,243.14	238.47	6.213		
11,200.00	7,133.25	11,764.57	7,252.03	122.01	124.35	-94.60	-2,966.59	-2,878.02	1,480.37	1,236.51	243.86	6.070		
11,300.00	7,133.49	11,864.56	7,252.61	124.73	127.03	-94.62	-2,966.32	-2,978.01	1,479.14	1,229.87	249.27	5.934		
11,400.00	7,133.73	11,964.55	7,253.19	127.46	129.72	-94.63	-2,966.06	-3,078.00	1,477.91	1,223.22	254.70	5.803		
11,500.00	7,133.97	12,064.55	7,253.77	130.19	132.42	-94.65	-2,965.80	-3,177.99	1,476.68	1,216.55	260.13	5.677		
11,600.00	7,134.21	12,164.54	7,254.35	132.93	135.13	-94.67	-2,965.54	-3,277.98	1,475.45	1,209.88	265.57	5.556		
11,700.00	7,134.45	12,264.53	7,254.93	135.68	137.84	-94.69	-2,965.28	-3,377.97	1,474.22	1,203.19	271.03	5.439		
11,800.00	7,134.69	12,364.52	7,255.51	138.43	140.56	-94.70	-2,965.02	-3,477.96	1,472.99	1,196.50	276.49	5.327		
11,900.00	7,134.93	12,464.51	7,256.10	141.18	143.29	-94.72	-2,964.76	-3,577.95	1,471.76	1,189.80	281.96	5.220		
12,000.00	7,135.17	12,564.50	7,256.68	143.94	146.02	-94.74	-2,964.50	-3,677.94	1,470.53	1,183.09	287.44	5.116		
12,100.00	7,135.41	12,664.50	7,257.26	146.70	148.75	-94.76	-2,964.24	-3,777.93	1,469.30	1,176.37	292.93	5.016		
12,200.00	7,135.65	12,764.49	7,257.84	149.46	151.50	-94.77	-2,963.97	-3,877.92	1,468.07	1,169.64	298.42	4.919		
12,300.00	7,135.89	12,864.48	7,258.42	152.23	154.24	-94.79	-2,963.71	-3,977.90	1,466.84	1,162.91	303.92	4.826		
12,400.00	7,136.13	12,964.47	7,259.00	155.00	156.99	-94.81	-2,963.45	-4,077.89	1,465.61	1,156.17	309.43	4.736		
12,500.00	7,136.37	13,064.46	7,259.58	157.78	159.74	-94.83	-2,963.19	-4,177.88	1,464.38	1,149.43	314.95	4.650		
12,600.00	7,136.61	13,164.45	7,260.16	160.55	162.50	-94.84	-2,962.93	-4,277.87	1,463.15	1,142.68	320.47	4.566		
12,700.00	7,136.85	13,264.44	7,260.74	163.33	165.26	-94.86	-2,962.67	-4,377.86	1,461.92	1,135.92	325.99	4.484		
12,800.00	7,137.09	13,364.44	7,261.32	166.12	168.03	-94.88	-2,962.41	-4,477.85	1,460.69	1,129.16	331.53	4.406		
12,900.00	7,137.33	13,464.43	7,261.91	168.90	170.79	-94.90	-2,962.15	-4,577.84	1,459.46	1,122.40	337.06	4.330		
12,934.27	7,137.41	13,480.77	7,262.00	169.86	171.24	-94.90	-2,962.10	-4,594.19	1,459.15	1,120.83	338.32	4.313		
13,000.00	7,137.57	13,480.77	7,262.00	171.69	171.24	-94.90	-2,962.10	-4,594.19	1,460.63	1,121.43	339.20	4.306 SF		
13,100.00	7,137.81	13,480.77	7,262.00	174.48	171.24	-94.90	-2,962.10	-4,594.19	1,468.53	1,129.22	339.31	4.328		
13,200.00	7,138.05	13,480.77	7,262.00	177.27	171.24	-94.90	-2,962.10	-4,594.19	1,483.15	1,145.14	338.00	4.388		
13,300.00	7,138.29	13,480.77	7,262.00	180.07	171.24	-94.90	-2,962.10	-4,594.19	1,504.28	1,168.91	335.37	4.485		
13,400.00	7,138.53	13,480.77	7,262.00	182.86	171.24	-94.90	-2,962.10	-4,594.19	1,531.67	1,200.11	331.56	4.620		
13,500.00	7,138.77	13,480.77	7,262.00	185.66	171.24	-94.90	-2,962.10	-4,594.19	1,564.98	1,238.24	326.74	4.790		
13,600.00	7,139.01	13,480.77	7,262.00	188.46	171.24	-94.90	-2,962.10	-4,594.19	1,603.84	1,282.73	321.11	4.995		
13,700.00	7,139.25	13,480.77	7,262.00	191.26	171.24	-94.90	-2,962.10	-4,594.19	1,647.86	1,333.01	314.85	5.234		
13,800.00	7,139.49	13,480.77	7,262.00	194.06	171.24	-94.90	-2,962.10	-4,594.19	1,696.64	1,388.49	308.15	5.506		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	13,480.77	7,262.00	196.87	171.24	-94.90	-2,962.10	-4,594.19	1,749.78	1,448.62	301.16	5.810		
14,000.00	7,139.97	13,480.77	7,262.00	199.68	171.24	-94.90	-2,962.10	-4,594.19	1,806.90	1,512.88	294.01	6.146		
14,100.00	7,140.21	13,480.77	7,262.00	202.48	171.24	-94.90	-2,962.10	-4,594.19	1,867.62	1,580.79	286.83	6.511		
14,200.00	7,140.45	13,480.77	7,262.00	205.29	171.24	-94.90	-2,962.10	-4,594.19	1,931.62	1,651.91	279.71	6.906		
14,300.00	7,140.69	13,480.77	7,262.00	208.10	171.24	-94.90	-2,962.10	-4,594.19	1,998.58	1,725.86	272.72	7.328		
14,400.00	7,140.93	13,480.77	7,262.00	210.91	171.24	-94.90	-2,962.10	-4,594.19	2,068.20	1,802.30	265.90	7.778		
14,500.00	7,141.17	13,480.77	7,262.00	213.73	171.24	-94.90	-2,962.10	-4,594.19	2,140.23	1,880.92	259.31	8.254		
14,600.00	7,141.41	13,480.77	7,262.00	216.54	171.24	-94.90	-2,962.10	-4,594.19	2,214.44	1,961.47	252.96	8.754		
14,700.00	7,141.65	13,480.77	7,262.00	219.36	171.24	-94.90	-2,962.10	-4,594.19	2,290.61	2,043.73	246.88	9.278		
14,800.00	7,141.89	13,480.77	7,262.00	222.17	171.24	-94.90	-2,962.10	-4,594.19	2,368.55	2,127.49	241.06	9.825		
14,900.00	7,142.13	13,480.77	7,262.00	224.99	171.24	-94.90	-2,962.10	-4,594.19	2,448.09	2,212.57	235.52	10.394		
15,000.00	7,142.36	13,480.77	7,262.00	227.81	171.24	-94.90	-2,962.10	-4,594.19	2,529.09	2,298.84	230.25	10.984		
15,100.00	7,142.60	13,480.77	7,262.00	230.63	171.24	-94.90	-2,962.10	-4,594.19	2,611.41	2,386.17	225.24	11.594		
15,200.00	7,142.84	13,480.77	7,262.00	233.45	171.24	-94.90	-2,962.10	-4,594.19	2,694.92	2,474.43	220.49	12.222		
15,300.00	7,143.08	13,480.77	7,262.00	236.27	171.24	-94.90	-2,962.10	-4,594.19	2,779.52	2,563.53	215.99	12.869		
15,400.00	7,143.32	13,480.77	7,262.00	239.09	171.24	-94.90	-2,962.10	-4,594.19	2,865.12	2,653.39	211.73	13.532		
15,500.00	7,143.56	13,480.77	7,262.00	241.91	171.24	-94.90	-2,962.10	-4,594.19	2,951.62	2,743.93	207.69	14.212		
15,600.00	7,143.80	13,480.77	7,262.00	244.73	171.24	-94.90	-2,962.10	-4,594.19	3,038.94	2,835.08	203.86	14.907		
15,700.00	7,144.04	13,480.77	7,262.00	247.56	171.24	-94.90	-2,962.10	-4,594.19	3,127.03	2,926.79	200.24	15.616		
15,800.00	7,144.28	13,480.77	7,262.00	250.38	171.24	-94.90	-2,962.10	-4,594.19	3,215.81	3,019.00	196.81	16.339		
15,900.00	7,144.52	13,480.77	7,262.00	253.21	171.24	-94.90	-2,962.10	-4,594.19	3,305.24	3,111.67	193.57	17.076		
16,000.00	7,144.76	13,480.77	7,262.00	256.03	171.24	-94.90	-2,962.10	-4,594.19	3,395.25	3,204.76	190.49	17.824		
16,100.00	7,145.00	13,480.77	7,262.00	258.86	171.24	-94.90	-2,962.10	-4,594.19	3,485.81	3,298.24	187.58	18.584		
16,200.00	7,145.24	13,480.77	7,262.00	261.69	171.24	-94.90	-2,962.10	-4,594.19	3,576.88	3,392.06	184.81	19.354		
16,300.00	7,145.48	13,480.77	7,262.00	264.52	171.24	-94.90	-2,962.10	-4,594.19	3,668.40	3,486.21	182.19	20.135		
16,400.00	7,145.72	13,480.77	7,262.00	267.35	171.24	-94.90	-2,962.10	-4,594.19	3,760.36	3,580.66	179.71	20.925		
16,500.00	7,145.96	13,480.77	7,262.00	270.18	171.24	-94.90	-2,962.10	-4,594.19	3,852.72	3,675.37	177.35	21.724		
16,600.00	7,146.20	13,480.77	7,262.00	273.01	171.24	-94.90	-2,962.10	-4,594.19	3,945.45	3,770.35	175.11	22.531		
16,700.00	7,146.44	13,480.77	7,262.00	275.84	171.24	-94.90	-2,962.10	-4,594.19	4,038.53	3,865.55	172.98	23.347		
16,800.00	7,146.68	13,480.77	7,262.00	278.67	171.24	-94.90	-2,962.10	-4,594.19	4,131.94	3,960.98	170.96	24.169		
16,900.00	7,146.92	13,480.77	7,262.00	281.50	171.24	-94.90	-2,962.10	-4,594.19	4,225.64	4,056.61	169.03	24.999		
17,000.00	7,147.16	13,480.77	7,262.00	284.33	171.24	-94.90	-2,962.10	-4,594.19	4,319.63	4,152.42	167.20	25.834		
17,100.00	7,147.40	13,480.77	7,262.00	287.16	171.24	-94.90	-2,962.10	-4,594.19	4,413.88	4,248.42	165.46	26.676		
17,200.00	7,147.64	13,480.77	7,262.00	290.00	171.24	-94.90	-2,962.10	-4,594.19	4,508.38	4,344.58	163.80	27.523		
17,300.00	7,147.88	13,480.77	7,262.00	292.83	171.24	-94.90	-2,962.10	-4,594.19	4,603.11	4,440.89	162.22	28.375		
17,400.00	7,148.12	13,480.77	7,262.00	295.66	171.24	-94.90	-2,962.10	-4,594.19	4,698.06	4,537.34	160.72	29.232		
17,500.00	7,148.36	13,480.77	7,262.00	298.50	171.24	-94.90	-2,962.10	-4,594.19	4,793.21	4,633.94	159.28	30.093		
17,600.00	7,148.60	13,480.77	7,262.00	301.33	171.24	-94.90	-2,962.10	-4,594.19	4,888.56	4,730.66	157.91	30.959		
17,700.00	7,148.84	13,480.77	7,262.00	304.17	171.24	-94.90	-2,962.10	-4,594.19	4,984.09	4,827.50	156.60	31.828		
17,800.00	7,149.08	13,480.77	7,262.00	307.00	171.24	-94.90	-2,962.10	-4,594.19	5,079.80	4,924.45	155.34	32.700		
17,900.00	7,149.32	13,480.77	7,262.00	309.84	171.24	-94.90	-2,962.10	-4,594.19	5,175.66	5,021.51	154.15	33.576		
18,000.00	7,149.56	13,480.77	7,262.00	312.68	171.24	-94.90	-2,962.10	-4,594.19	5,271.68	5,118.68	153.01	34.454		
18,100.00	7,149.80	13,480.77	7,262.00	315.51	171.24	-94.90	-2,962.10	-4,594.19	5,367.85	5,215.93	151.91	35.335		
18,200.00	7,150.04	13,480.77	7,262.00	318.35	171.24	-94.90	-2,962.10	-4,594.19	5,464.15	5,313.28	150.87	36.218		
18,300.00	7,150.28	13,480.77	7,262.00	321.19	171.24	-94.90	-2,962.10	-4,594.19	5,560.58	5,410.71	149.87	37.104		
18,400.00	7,150.52	13,480.77	7,262.00	324.03	171.24	-94.90	-2,962.10	-4,594.19	5,657.14	5,508.23	148.91	37.991		
18,500.00	7,150.76	13,480.77	7,262.00	326.86	171.24	-94.90	-2,962.10	-4,594.19	5,753.81	5,605.82	147.99	38.880		
18,600.00	7,151.00	13,480.77	7,262.00	329.70	171.24	-94.90	-2,962.10	-4,594.19	5,850.60	5,703.49	147.11	39.771		
18,700.00	7,151.24	13,480.77	7,262.00	332.54	171.24	-94.90	-2,962.10	-4,594.19	5,947.49	5,801.23	146.26	40.662		
18,800.00	7,151.48	13,480.77	7,262.00	335.38	171.24	-94.90	-2,962.10	-4,594.19	6,044.48	5,899.03	145.46	41.556		
18,900.00	7,151.72	13,480.77	7,262.00	338.22	171.24	-94.90	-2,962.10	-4,594.19	6,141.57	5,996.89	144.68	42.450		
19,000.00	7,151.96	13,480.77	7,262.00	341.06	171.24	-94.90	-2,962.10	-4,594.19	6,238.76	6,094.82	143.93	43.345		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1												Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	13,480.77	7,262.00	341.58	171.24	-94.90	-2,962.10	-4,594.19	6,256.55	6,112.75	143.80	43.508	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.58	-75.05	-0.56	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	-179.58	-75.05	-0.56	75.05	68.48	6.57	11.425		
200.00	200.00	200.00	200.00	3.34	3.34	-179.58	-75.05	-0.56	75.05	68.38	6.67	11.246		
300.00	299.98	299.98	299.98	3.44	3.44	44.12	-75.05	-0.56	73.79	66.90	6.89	10.717		
400.00	399.84	397.74	397.73	3.59	3.59	46.38	-76.54	0.19	71.59	64.40	7.19	9.957		
500.00	499.45	495.60	495.45	3.80	3.78	49.40	-81.02	2.42	70.10	62.51	7.59	9.238		
600.00	598.70	593.54	593.03	4.04	4.01	53.13	-88.50	6.15	69.45	61.37	8.07	8.605		
618.18	616.69	611.35	610.74	4.09	4.05	53.88	-90.18	6.99	69.43	61.26	8.17	8.501 CC		
700.00	697.47	691.55	690.34	4.32	4.27	57.46	-98.96	11.37	69.79	61.16	8.63	8.091 ES		
800.00	795.62	789.62	787.24	4.65	4.56	62.19	-112.40	18.07	71.27	62.03	9.25	7.709		
900.00	893.06	887.75	883.63	5.01	4.89	67.10	-128.81	26.26	74.03	64.10	9.93	7.456		
1,000.00	989.64	985.90	979.37	5.42	5.26	71.95	-148.18	35.92	78.14	67.46	10.68	7.318		
1,044.50	1,032.32	1,029.60	1,021.73	5.61	5.43	74.03	-157.74	40.69	80.41	69.38	11.03	7.288		
1,100.00	1,085.43	1,084.11	1,074.36	5.86	5.65	76.24	-170.48	47.04	83.76	72.26	11.50	7.286		
1,200.00	1,181.11	1,182.37	1,168.48	6.33	6.08	78.31	-195.69	59.62	91.26	78.89	12.37	7.376		
1,300.00	1,276.80	1,280.46	1,261.43	6.81	6.54	78.33	-223.73	73.60	100.37	87.08	13.29	7.552		
1,400.00	1,372.49	1,378.16	1,352.89	7.31	7.04	76.80	-254.47	88.94	111.08	96.84	14.24	7.802		
1,500.00	1,468.17	1,475.24	1,442.55	7.83	7.57	74.21	-287.76	105.54	123.58	108.38	15.20	8.130		
1,600.00	1,563.86	1,571.49	1,530.16	8.35	8.13	70.97	-323.43	123.34	138.15	121.99	16.16	8.548		
1,700.00	1,659.55	1,668.49	1,617.28	8.88	8.73	67.50	-361.60	142.38	154.79	137.66	17.13	9.034		
1,800.00	1,755.23	1,766.64	1,705.29	9.42	9.37	64.59	-400.48	161.77	172.10	153.96	18.14	9.489		
1,900.00	1,850.92	1,864.79	1,793.30	9.97	10.01	62.22	-439.35	181.16	189.76	170.61	19.15	9.910		
2,000.00	1,946.61	1,962.94	1,881.31	10.52	10.67	60.25	-478.22	200.55	207.69	187.52	20.17	10.296		
2,100.00	2,042.29	2,061.09	1,969.33	11.07	11.34	58.59	-517.10	219.94	225.81	204.61	21.20	10.650		
2,200.00	2,137.98	2,159.24	2,057.34	11.63	12.02	57.18	-555.97	239.33	244.10	221.85	22.24	10.975		
2,300.00	2,233.67	2,257.39	2,145.35	12.19	12.71	55.97	-594.85	258.72	262.50	239.21	23.29	11.272		
2,400.00	2,329.35	2,355.54	2,233.36	12.76	13.40	54.91	-633.72	278.11	281.00	256.66	24.34	11.544		
2,500.00	2,425.04	2,453.69	2,321.38	13.32	14.10	53.99	-672.59	297.50	299.59	274.19	25.40	11.795		
2,600.00	2,520.72	2,551.84	2,409.39	13.89	14.80	53.17	-711.47	316.89	318.24	291.78	26.46	12.025		
2,700.00	2,616.41	2,649.99	2,497.40	14.46	15.50	52.45	-750.34	336.28	336.95	309.42	27.53	12.238		
2,800.00	2,712.10	2,748.14	2,585.42	15.03	16.21	51.80	-789.21	355.67	355.70	327.10	28.61	12.434		
2,900.00	2,807.78	2,846.29	2,673.43	15.60	16.93	51.21	-828.09	375.06	374.50	344.81	29.68	12.616		
3,000.00	2,903.47	2,944.44	2,761.44	16.18	17.64	50.68	-866.96	394.45	393.33	362.56	30.76	12.785		
3,100.00	2,999.16	3,042.59	2,849.45	16.75	18.36	50.20	-905.83	413.84	412.18	380.33	31.85	12.942		
3,200.00	3,094.84	3,140.74	2,937.47	17.33	19.08	49.76	-944.71	433.23	431.07	398.13	32.94	13.088		
3,300.00	3,190.53	3,238.89	3,025.48	17.90	19.80	49.36	-983.58	452.62	449.97	415.95	34.02	13.225		
3,400.00	3,286.22	3,337.04	3,113.49	18.48	20.52	48.99	-1,022.46	472.01	468.90	433.78	35.12	13.353		
3,500.00	3,381.90	3,435.19	3,201.50	19.06	21.25	48.65	-1,061.33	491.40	487.84	451.63	36.21	13.472		
3,600.00	3,477.59	3,533.34	3,289.52	19.64	21.97	48.34	-1,100.20	510.79	506.80	469.49	37.31	13.585		
3,700.00	3,573.28	3,631.49	3,377.53	20.22	22.70	48.04	-1,139.08	530.18	525.77	487.36	38.40	13.690		
3,800.00	3,668.96	3,729.64	3,465.54	20.80	23.43	47.77	-1,177.95	549.57	544.75	505.25	39.50	13.790		
3,900.00	3,764.65	3,827.79	3,553.56	21.38	24.16	47.52	-1,216.82	568.96	563.75	523.14	40.61	13.883		
4,000.00	3,860.33	3,925.94	3,641.57	21.96	24.89	47.28	-1,255.70	588.35	582.75	541.04	41.71	13.972		
4,100.00	3,956.02	4,024.09	3,729.58	22.54	25.62	47.06	-1,294.57	607.74	601.76	558.95	42.81	14.056		
4,200.00	4,051.71	4,122.24	3,817.59	23.13	26.35	46.85	-1,333.45	627.13	620.79	576.87	43.92	14.135		
4,300.00	4,147.39	4,220.39	3,905.61	23.71	27.08	46.65	-1,372.32	646.52	639.82	594.79	45.02	14.210		
4,400.00	4,243.08	4,318.54	3,993.62	24.29	27.82	46.47	-1,411.19	665.91	658.85	612.72	46.13	14.282		
4,500.00	4,338.77	4,416.69	4,081.63	24.88	28.55	46.29	-1,450.07	685.30	677.89	630.65	47.24	14.350		
4,600.00	4,434.45	4,514.84	4,169.64	25.46	29.28	46.13	-1,488.94	704.69	696.94	648.59	48.35	14.415		
4,700.00	4,530.14	4,612.99	4,257.66	26.04	30.02	45.97	-1,527.81	724.08	716.00	666.54	49.46	14.476		
4,800.00	4,625.83	4,711.14	4,345.67	26.63	30.75	45.82	-1,566.69	743.47	735.06	684.48	50.57	14.535		
4,900.00	4,721.51	4,809.29	4,433.68	27.21	31.49	45.68	-1,605.56	762.86	754.12	702.43	51.68	14.591		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,907.44	4,521.70	27.80	32.22	45.55	-1,644.44	782.25	773.19	720.39	52.80	14.645		
5,100.00	4,912.89	5,005.59	4,609.71	28.38	32.96	45.42	-1,683.31	801.64	792.26	738.35	53.91	14.696		
5,200.00	5,008.57	5,103.74	4,697.72	28.97	33.70	45.30	-1,722.18	821.03	811.33	756.31	55.02	14.745		
5,300.00	5,104.26	5,201.89	4,785.73	29.55	34.43	45.19	-1,761.06	840.42	830.41	774.27	56.14	14.792		
5,400.00	5,199.94	5,300.04	4,873.75	30.14	35.17	45.08	-1,799.93	859.81	849.49	792.24	57.25	14.837		
5,500.00	5,295.63	5,401.81	4,961.76	30.72	35.94	44.97	-1,838.80	879.20	868.57	810.18	58.39	14.875		
5,600.00	5,391.32	5,503.66	5,049.77	31.31	36.70	44.87	-1,877.68	898.59	887.66	828.13	59.53	14.911		
5,700.00	5,487.00	5,605.51	5,137.78	31.90	37.47	44.77	-1,916.55	917.98	906.75	846.08	60.67	14.945		
5,800.00	5,582.69	5,707.36	5,225.80	32.48	38.23	44.68	-1,955.43	937.37	925.84	864.03	61.81	14.979		
5,900.00	5,678.38	5,809.21	5,313.81	33.07	39.00	44.59	-1,994.30	956.76	944.93	881.98	62.95	15.011		
6,000.00	5,774.06	5,888.94	5,401.82	33.65	39.60	44.50	-2,033.17	976.15	964.03	900.07	63.96	15.073		
6,100.00	5,869.75	5,987.09	5,489.84	34.24	40.34	44.42	-2,072.05	995.54	983.13	918.05	65.07	15.108		
6,200.00	5,965.44	6,085.24	5,577.85	34.83	41.08	44.34	-2,110.92	1,014.93	1,002.23	936.03	66.19	15.141		
6,300.00	6,061.12	6,183.39	5,665.86	35.41	41.82	44.27	-2,149.79	1,034.32	1,021.33	954.02	67.31	15.173		
6,400.00	6,156.81	6,281.54	5,753.87	36.00	42.56	44.19	-2,188.67	1,053.71	1,040.43	972.00	68.43	15.204		
6,500.00	6,252.50	6,379.69	5,841.89	36.59	43.30	44.12	-2,227.54	1,073.10	1,059.54	989.99	69.55	15.234		
6,600.00	6,348.18	6,477.84	5,929.90	37.18	44.04	44.05	-2,266.41	1,092.49	1,078.64	1,007.97	70.67	15.263		
6,636.04	6,382.67	6,513.21	5,961.62	37.39	44.30	44.03	-2,280.43	1,099.48	1,085.53	1,014.45	71.08	15.273		
6,650.00	6,396.05	6,526.91	5,973.90	37.47	44.41	40.97	-2,285.85	1,102.19	1,088.19	1,016.96	71.23	15.277		
6,700.00	6,444.38	6,575.87	6,017.81	37.74	44.77	27.05	-2,305.24	1,111.86	1,097.57	1,025.84	71.73	15.301		
6,750.00	6,493.07	6,624.44	6,061.36	37.98	45.14	8.84	-2,324.48	1,121.46	1,106.71	1,034.55	72.16	15.336		
6,800.00	6,541.82	6,672.31	6,104.29	38.18	45.50	-10.54	-2,343.44	1,130.92	1,115.64	1,043.12	72.53	15.382		
6,850.00	6,590.35	6,719.20	6,146.33	38.35	45.86	-27.04	-2,362.01	1,140.18	1,124.42	1,051.59	72.83	15.439		
6,900.00	6,638.34	6,764.80	6,187.23	38.50	46.20	-39.28	-2,380.07	1,149.19	1,133.13	1,060.04	73.09	15.504		
6,950.00	6,685.50	6,808.85	6,226.72	38.64	46.53	-48.02	-2,397.52	1,157.89	1,141.89	1,068.59	73.30	15.579		
7,000.00	6,731.54	6,851.06	6,264.58	38.77	46.85	-54.33	-2,414.24	1,166.23	1,150.84	1,077.37	73.48	15.662		
7,050.00	6,776.18	6,891.18	6,300.56	38.90	47.15	-59.03	-2,430.13	1,174.15	1,160.15	1,086.51	73.63	15.756		
7,100.00	6,819.14	6,928.97	6,334.44	39.03	47.44	-62.60	-2,445.09	1,181.62	1,169.96	1,096.19	73.77	15.860		
7,150.00	6,860.16	6,964.18	6,366.01	39.16	47.70	-65.34	-2,459.04	1,188.57	1,180.44	1,106.55	73.89	15.976		
7,200.00	6,898.98	7,004.73	6,402.53	39.31	48.00	-67.71	-2,475.16	1,195.65	1,191.66	1,117.55	74.12	16.078		
7,250.00	6,935.36	7,049.30	6,443.06	39.47	48.30	-69.76	-2,493.04	1,200.50	1,203.49	1,129.05	74.44	16.168		
7,300.00	6,969.08	7,097.47	6,487.10	39.65	48.59	-71.58	-2,512.45	1,202.24	1,215.86	1,141.02	74.84	16.246		
7,350.00	6,999.94	7,150.34	6,535.43	39.85	48.87	-73.25	-2,533.73	1,199.97	1,228.69	1,153.37	75.32	16.313		
7,400.00	7,027.74	7,209.44	6,589.05	40.08	49.13	-74.88	-2,557.31	1,192.25	1,241.84	1,165.98	75.87	16.368		
7,450.00	7,052.31	7,276.96	6,649.20	40.34	49.35	-76.55	-2,583.73	1,176.83	1,255.16	1,178.69	76.46	16.415		
7,500.00	7,073.49	7,356.02	6,717.28	40.63	49.56	-78.36	-2,613.58	1,150.07	1,268.36	1,191.27	77.09	16.454		
7,550.00	7,091.17	7,451.00	6,794.30	40.95	49.74	-80.37	-2,647.28	1,106.05	1,281.06	1,203.34	77.72	16.483		
7,600.00	7,105.22	7,600.00	6,859.25	41.31	49.96	-81.88	-2,675.62	1,054.42	1,292.64	1,214.08	78.56	16.455		
7,650.00	7,115.57	7,650.00	6,951.76	41.71	50.03	-84.38	-2,715.82	948.36	1,302.18	1,223.05	79.13	16.456		
7,700.00	7,122.15	7,886.55	7,038.22	42.15	50.53	-86.77	-2,752.99	771.77	1,308.64	1,226.88	81.77	16.005		
7,750.00	7,124.91	8,082.52	7,069.84	42.62	51.28	-87.58	-2,765.91	579.58	1,310.66	1,224.83	85.83	15.271		
7,759.54	7,125.00	8,100.80	7,070.03	42.72	51.37	-87.59	-2,765.90	561.30	1,310.53	1,224.25	86.27	15.190		
7,800.00	7,125.10	8,141.26	7,070.24	43.13	51.60	-87.60	-2,765.78	520.84	1,310.00	1,222.69	87.31	15.005		
7,900.00	7,125.34	8,241.25	7,070.77	44.28	52.22	-87.61	-2,765.49	420.86	1,308.69	1,218.67	90.02	14.537		
8,000.00	7,125.58	8,341.24	7,071.29	45.61	52.98	-87.62	-2,765.19	320.87	1,307.39	1,214.38	93.01	14.056		
8,100.00	7,125.82	8,441.23	7,071.81	47.10	53.89	-87.63	-2,764.90	220.88	1,306.08	1,209.84	96.25	13.570		
8,200.00	7,126.06	8,541.22	7,072.34	48.72	54.98	-87.64	-2,764.61	120.89	1,304.78	1,205.08	99.70	13.087		
8,300.00	7,126.30	8,641.21	7,072.86	50.48	56.23	-87.65	-2,764.32	20.90	1,303.48	1,200.12	103.36	12.611		
8,400.00	7,126.54	8,741.20	7,073.38	52.34	57.65	-87.66	-2,764.02	-79.09	1,302.17	1,194.97	107.20	12.148		
8,500.00	7,126.78	8,841.19	7,073.90	54.30	59.22	-87.67	-2,763.73	-179.08	1,300.87	1,189.67	111.19	11.699		
8,600.00	7,127.02	8,941.19	7,074.43	56.35	60.93	-87.68	-2,763.44	-279.07	1,299.56	1,184.22	115.34	11.268		
8,700.00	7,127.26	9,041.18	7,074.95	58.47	62.76	-87.69	-2,763.15	-379.06	1,298.26	1,178.65	119.61	10.854		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	9,141.17	7,075.47	60.66	64.70	-87.70	-2,762.85	-479.05	1,296.95	1,172.96	124.00	10.460		
8,900.00	7,127.74	9,241.16	7,076.00	62.90	66.72	-87.71	-2,762.56	-579.04	1,295.65	1,167.16	128.49	10.084		
9,000.00	7,127.98	9,341.15	7,076.52	65.19	68.83	-87.72	-2,762.27	-679.03	1,294.34	1,161.27	133.07	9.727		
9,100.00	7,128.22	9,441.14	7,077.04	67.53	71.00	-87.73	-2,761.97	-779.02	1,293.04	1,155.30	137.74	9.387		
9,200.00	7,128.46	9,541.13	7,077.57	69.92	73.23	-87.74	-2,761.68	-879.01	1,291.73	1,149.25	142.49	9.066		
9,300.00	7,128.70	9,641.12	7,078.09	72.33	75.52	-87.75	-2,761.39	-979.00	1,290.43	1,143.13	147.30	8.761		
9,400.00	7,128.94	9,741.12	7,078.61	74.78	77.85	-87.76	-2,761.10	-1,078.99	1,289.12	1,136.95	152.18	8.471		
9,500.00	7,129.18	9,841.11	7,079.13	77.26	80.22	-87.77	-2,760.80	-1,178.98	1,287.82	1,130.71	157.11	8.197		
9,600.00	7,129.42	9,941.10	7,079.66	79.76	82.63	-87.78	-2,760.51	-1,278.97	1,286.52	1,124.43	162.09	7.937		
9,700.00	7,129.66	10,041.09	7,080.18	82.29	85.07	-87.79	-2,760.22	-1,378.95	1,285.21	1,118.09	167.12	7.690		
9,800.00	7,129.90	10,141.08	7,080.70	84.84	87.54	-87.80	-2,759.93	-1,478.94	1,283.91	1,111.71	172.19	7.456		
9,900.00	7,130.14	10,241.07	7,081.23	87.41	90.04	-87.81	-2,759.63	-1,578.93	1,282.60	1,105.30	177.30	7.234		
10,000.00	7,130.38	10,341.06	7,081.75	90.00	92.56	-87.82	-2,759.34	-1,678.92	1,281.30	1,098.85	182.45	7.023		
10,100.00	7,130.62	10,441.05	7,082.27	92.60	95.10	-87.83	-2,759.05	-1,778.91	1,280.00	1,092.36	187.63	6.822		
10,200.00	7,130.86	10,541.05	7,082.80	95.22	97.66	-87.84	-2,758.76	-1,878.90	1,278.69	1,085.85	192.84	6.631		
10,300.00	7,131.09	10,641.04	7,083.32	97.85	100.24	-87.85	-2,758.46	-1,978.89	1,277.39	1,079.31	198.08	6.449		
10,400.00	7,131.33	10,741.03	7,083.84	100.50	102.84	-87.87	-2,758.17	-2,078.88	1,276.08	1,072.74	203.34	6.276		
10,500.00	7,131.57	10,841.02	7,084.36	103.16	105.45	-87.88	-2,757.88	-2,178.87	1,274.78	1,066.15	208.63	6.110		
10,600.00	7,131.81	10,941.01	7,084.89	105.82	108.07	-87.89	-2,757.58	-2,278.86	1,273.48	1,059.54	213.94	5.953		
10,700.00	7,132.05	11,041.00	7,085.41	108.50	110.71	-87.90	-2,757.29	-2,378.85	1,272.17	1,052.91	219.27	5.802		
10,800.00	7,132.29	11,140.99	7,085.93	111.19	113.36	-87.91	-2,757.00	-2,478.84	1,270.87	1,046.25	224.61	5.658		
10,900.00	7,132.53	11,240.98	7,086.46	113.88	116.02	-87.92	-2,756.71	-2,578.83	1,269.56	1,039.58	229.98	5.520		
11,000.00	7,132.77	11,340.98	7,086.98	116.58	118.69	-87.93	-2,756.41	-2,678.82	1,268.26	1,032.90	235.36	5.389		
11,100.00	7,133.01	11,440.97	7,087.50	119.29	121.37	-87.94	-2,756.12	-2,778.81	1,266.96	1,026.20	240.76	5.262		
11,200.00	7,133.25	11,540.96	7,088.03	122.01	124.05	-87.95	-2,755.83	-2,878.80	1,265.65	1,019.48	246.17	5.141		
11,300.00	7,133.49	11,640.95	7,088.55	124.73	126.75	-87.96	-2,755.54	-2,978.79	1,264.35	1,012.75	251.60	5.025		
11,400.00	7,133.73	11,740.94	7,089.07	127.46	129.45	-87.97	-2,755.24	-3,078.77	1,263.05	1,006.01	257.03	4.914		
11,500.00	7,133.97	11,840.93	7,089.60	130.19	132.16	-87.98	-2,754.95	-3,178.76	1,261.74	999.26	262.48	4.807		
11,600.00	7,134.21	11,940.92	7,090.12	132.93	134.88	-87.99	-2,754.66	-3,278.75	1,260.44	992.50	267.94	4.704		
11,700.00	7,134.45	12,040.91	7,090.64	135.68	137.60	-88.00	-2,754.36	-3,378.74	1,259.14	985.72	273.41	4.605		
11,800.00	7,134.69	12,140.91	7,091.16	138.43	140.33	-88.01	-2,754.07	-3,478.73	1,257.83	978.94	278.89	4.510		
11,900.00	7,134.93	12,240.90	7,091.69	141.18	143.06	-88.03	-2,753.78	-3,578.72	1,256.53	972.15	284.38	4.418		
12,000.00	7,135.17	12,340.89	7,092.21	143.94	145.80	-88.04	-2,753.49	-3,678.71	1,255.23	965.35	289.88	4.330		
12,100.00	7,135.41	12,440.88	7,092.73	146.70	148.54	-88.05	-2,753.19	-3,778.70	1,253.92	958.54	295.39	4.245		
12,200.00	7,135.65	12,540.87	7,093.26	149.46	151.29	-88.06	-2,752.90	-3,878.69	1,252.62	951.72	300.90	4.163		
12,300.00	7,135.89	12,640.86	7,093.78	152.23	154.04	-88.07	-2,752.61	-3,978.68	1,251.32	944.89	306.42	4.084		
12,400.00	7,136.13	12,740.85	7,094.30	155.00	156.80	-88.08	-2,752.32	-4,078.67	1,250.01	938.06	311.95	4.007		
12,500.00	7,136.37	12,840.84	7,094.83	157.78	159.56	-88.09	-2,752.02	-4,178.66	1,248.71	931.23	317.49	3.933		
12,600.00	7,136.61	12,940.84	7,095.35	160.55	162.32	-88.10	-2,751.73	-4,278.65	1,247.41	924.38	323.03	3.862		
12,700.00	7,136.85	13,040.83	7,095.87	163.33	165.09	-88.11	-2,751.44	-4,378.64	1,246.10	917.53	328.57	3.792		
12,800.00	7,137.09	13,140.82	7,096.39	166.12	167.86	-88.12	-2,751.14	-4,478.63	1,244.80	910.67	334.13	3.726		
12,900.00	7,137.33	13,240.81	7,096.92	168.90	170.63	-88.14	-2,750.85	-4,578.62	1,243.50	903.81	339.68	3.661		
12,932.01	7,137.41	13,256.62	7,097.00	169.79	171.07	-88.14	-2,750.81	-4,594.42	1,243.19	902.31	340.88	3.647		
13,000.00	7,137.57	13,256.62	7,097.00	171.69	171.07	-88.14	-2,750.81	-4,594.42	1,245.05	903.44	341.60	3.645 SF		
13,100.00	7,137.81	13,256.62	7,097.00	174.48	171.07	-88.14	-2,750.81	-4,594.42	1,254.49	913.53	340.95	3.679		
13,200.00	7,138.05	13,256.62	7,097.00	177.27	171.07	-88.14	-2,750.81	-4,594.42	1,271.75	933.38	338.36	3.759		
13,300.00	7,138.29	13,256.62	7,097.00	180.07	171.07	-88.14	-2,750.81	-4,594.42	1,296.51	962.47	334.04	3.881		
13,400.00	7,138.53	13,256.62	7,097.00	182.86	171.07	-88.14	-2,750.81	-4,594.42	1,328.36	1,000.11	328.25	4.047		
13,500.00	7,138.77	13,256.62	7,097.00	185.66	171.07	-88.14	-2,750.81	-4,594.42	1,366.80	1,045.50	321.30	4.254		
13,600.00	7,139.01	13,256.62	7,097.00	188.46	171.07	-88.14	-2,750.81	-4,594.42	1,411.29	1,097.78	313.51	4.502		
13,700.00	7,139.25	13,256.62	7,097.00	191.26	171.07	-88.14	-2,750.81	-4,594.42	1,461.28	1,156.12	305.15	4.789		
13,800.00	7,139.49	13,256.62	7,097.00	194.06	171.07	-88.14	-2,750.81	-4,594.42	1,516.22	1,219.73	296.50	5.114		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	13,256.62	7,097.00	196.87	171.07	-88.14	-2,750.81	-4,594.42	1,575.60	1,287.87	287.74	5.476		
14,000.00	7,139.97	13,256.62	7,097.00	199.68	171.07	-88.14	-2,750.81	-4,594.42	1,638.94	1,359.90	279.04	5.873		
14,100.00	7,140.21	13,256.62	7,097.00	202.48	171.07	-88.14	-2,750.81	-4,594.42	1,705.79	1,435.26	270.53	6.305		
14,200.00	7,140.45	13,256.62	7,097.00	205.29	171.07	-88.14	-2,750.81	-4,594.42	1,775.76	1,513.47	262.29	6.770		
14,300.00	7,140.69	13,256.62	7,097.00	208.10	171.07	-88.14	-2,750.81	-4,594.42	1,848.49	1,594.11	254.38	7.267		
14,400.00	7,140.93	13,256.62	7,097.00	210.91	171.07	-88.14	-2,750.81	-4,594.42	1,923.67	1,676.83	246.84	7.793		
14,500.00	7,141.17	13,256.62	7,097.00	213.73	171.07	-88.14	-2,750.81	-4,594.42	2,001.03	1,761.35	239.68	8.349		
14,600.00	7,141.41	13,256.62	7,097.00	216.54	171.07	-88.14	-2,750.81	-4,594.42	2,080.32	1,847.40	232.92	8.932		
14,700.00	7,141.65	13,256.62	7,097.00	219.36	171.07	-88.14	-2,750.81	-4,594.42	2,161.32	1,934.79	226.53	9.541		
14,800.00	7,141.89	13,256.62	7,097.00	222.17	171.07	-88.14	-2,750.81	-4,594.42	2,243.86	2,023.33	220.53	10.175		
14,900.00	7,142.13	13,256.62	7,097.00	224.99	171.07	-88.14	-2,750.81	-4,594.42	2,327.77	2,112.89	214.88	10.833		
15,000.00	7,142.36	13,256.62	7,097.00	227.81	171.07	-88.14	-2,750.81	-4,594.42	2,412.90	2,203.32	209.58	11.513		
15,100.00	7,142.60	13,256.62	7,097.00	230.63	171.07	-88.14	-2,750.81	-4,594.42	2,499.14	2,294.53	204.61	12.214		
15,200.00	7,142.84	13,256.62	7,097.00	233.45	171.07	-88.14	-2,750.81	-4,594.42	2,586.37	2,386.42	199.95	12.935		
15,300.00	7,143.08	13,256.62	7,097.00	236.27	171.07	-88.14	-2,750.81	-4,594.42	2,674.49	2,478.92	195.57	13.675		
15,400.00	7,143.32	13,256.62	7,097.00	239.09	171.07	-88.14	-2,750.81	-4,594.42	2,763.42	2,571.96	191.47	14.433		
15,500.00	7,143.56	13,256.62	7,097.00	241.91	171.07	-88.14	-2,750.81	-4,594.42	2,853.09	2,665.47	187.61	15.207		
15,600.00	7,143.80	13,256.62	7,097.00	244.73	171.07	-88.14	-2,750.81	-4,594.42	2,943.42	2,759.42	184.00	15.997		
15,700.00	7,144.04	13,256.62	7,097.00	247.56	171.07	-88.14	-2,750.81	-4,594.42	3,034.35	2,853.76	180.60	16.802		
15,800.00	7,144.28	13,256.62	7,097.00	250.38	171.07	-88.14	-2,750.81	-4,594.42	3,125.84	2,948.44	177.40	17.620		
15,900.00	7,144.52	13,256.62	7,097.00	253.21	171.07	-88.14	-2,750.81	-4,594.42	3,217.84	3,043.44	174.40	18.451		
16,000.00	7,144.76	13,256.62	7,097.00	256.03	171.07	-88.14	-2,750.81	-4,594.42	3,310.30	3,138.73	171.57	19.294		
16,100.00	7,145.00	13,256.62	7,097.00	258.86	171.07	-88.14	-2,750.81	-4,594.42	3,403.19	3,234.28	168.91	20.148		
16,200.00	7,145.24	13,256.62	7,097.00	261.69	171.07	-88.14	-2,750.81	-4,594.42	3,496.47	3,330.07	166.40	21.012		
16,300.00	7,145.48	13,256.62	7,097.00	264.52	171.07	-88.14	-2,750.81	-4,594.42	3,590.11	3,426.07	164.04	21.886		
16,400.00	7,145.72	13,256.62	7,097.00	267.35	171.07	-88.14	-2,750.81	-4,594.42	3,684.09	3,522.28	161.81	22.769		
16,500.00	7,145.96	13,256.62	7,097.00	270.18	171.07	-88.14	-2,750.81	-4,594.42	3,778.37	3,618.67	159.70	23.660		
16,600.00	7,146.20	13,256.62	7,097.00	273.01	171.07	-88.14	-2,750.81	-4,594.42	3,872.94	3,715.24	157.71	24.558		
16,700.00	7,146.44	13,256.62	7,097.00	275.84	171.07	-88.14	-2,750.81	-4,594.42	3,967.78	3,811.96	155.82	25.464		
16,800.00	7,146.68	13,256.62	7,097.00	278.67	171.07	-88.14	-2,750.81	-4,594.42	4,062.87	3,908.83	154.04	26.375		
16,900.00	7,146.92	13,256.62	7,097.00	281.50	171.07	-88.14	-2,750.81	-4,594.42	4,158.18	4,005.83	152.35	27.293		
17,000.00	7,147.16	13,256.62	7,097.00	284.33	171.07	-88.14	-2,750.81	-4,594.42	4,253.71	4,102.96	150.75	28.217		
17,100.00	7,147.40	13,256.62	7,097.00	287.16	171.07	-88.14	-2,750.81	-4,594.42	4,349.45	4,200.21	149.24	29.145		
17,200.00	7,147.64	13,256.62	7,097.00	290.00	171.07	-88.14	-2,750.81	-4,594.42	4,445.37	4,297.57	147.80	30.078		
17,300.00	7,147.88	13,256.62	7,097.00	292.83	171.07	-88.14	-2,750.81	-4,594.42	4,541.46	4,395.03	146.43	31.015		
17,400.00	7,148.12	13,256.62	7,097.00	295.66	171.07	-88.14	-2,750.81	-4,594.42	4,637.72	4,492.59	145.13	31.955		
17,500.00	7,148.36	13,256.62	7,097.00	298.50	171.07	-88.14	-2,750.81	-4,594.42	4,734.14	4,590.24	143.90	32.899		
17,600.00	7,148.60	13,256.62	7,097.00	301.33	171.07	-88.14	-2,750.81	-4,594.42	4,830.70	4,687.98	142.73	33.846		
17,700.00	7,148.84	13,256.62	7,097.00	304.17	171.07	-88.14	-2,750.81	-4,594.42	4,927.40	4,785.79	141.61	34.796		
17,800.00	7,149.08	13,256.62	7,097.00	307.00	171.07	-88.14	-2,750.81	-4,594.42	5,024.23	4,883.68	140.55	35.748		
17,900.00	7,149.32	13,256.62	7,097.00	309.84	171.07	-88.14	-2,750.81	-4,594.42	5,121.18	4,981.64	139.53	36.702		
18,000.00	7,149.56	13,256.62	7,097.00	312.68	171.07	-88.14	-2,750.81	-4,594.42	5,218.24	5,079.68	138.57	37.658		
18,100.00	7,149.80	13,256.62	7,097.00	315.51	171.07	-88.14	-2,750.81	-4,594.42	5,315.42	5,177.77	137.65	38.616		
18,200.00	7,150.04	13,256.62	7,097.00	318.35	171.07	-88.14	-2,750.81	-4,594.42	5,412.69	5,275.92	136.77	39.575		
18,300.00	7,150.28	13,256.62	7,097.00	321.19	171.07	-88.14	-2,750.81	-4,594.42	5,510.07	5,374.14	135.93	40.535		
18,400.00	7,150.52	13,256.62	7,097.00	324.03	171.07	-88.14	-2,750.81	-4,594.42	5,607.54	5,472.40	135.13	41.497		
18,500.00	7,150.76	13,256.62	7,097.00	326.86	171.07	-88.14	-2,750.81	-4,594.42	5,705.09	5,570.72	134.37	42.459		
18,600.00	7,151.00	13,256.62	7,097.00	329.70	171.07	-88.14	-2,750.81	-4,594.42	5,802.73	5,669.09	133.64	43.421		
18,700.00	7,151.24	13,256.62	7,097.00	332.54	171.07	-88.14	-2,750.81	-4,594.42	5,900.45	5,767.51	132.94	44.384		
18,800.00	7,151.48	13,256.62	7,097.00	335.38	171.07	-88.14	-2,750.81	-4,594.42	5,998.24	5,865.97	132.27	45.348		
18,900.00	7,151.72	13,256.62	7,097.00	338.22	171.07	-88.14	-2,750.81	-4,594.42	6,096.10	5,964.47	131.63	46.311		
19,000.00	7,151.96	13,256.62	7,097.00	341.06	171.07	-88.14	-2,750.81	-4,594.42	6,194.03	6,063.01	131.02	47.274		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1												Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1													
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	13,256.62	7,097.00	341.58	171.07	-88.14	-2,750.81	-4,594.42	6,211.96	6,081.05	130.91	47.451	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.48	165.02	1.39	165.03					
100.00	100.00	100.00	100.00	3.28	3.28	0.48	165.02	1.39	165.03	158.46	6.57	25.121		
200.00	200.00	200.00	200.00	3.34	3.34	0.48	165.02	1.39	165.03	158.35	6.67	24.727 CC, ES		
300.00	299.98	297.59	297.57	3.44	3.44	-136.62	165.71	2.90	167.02	160.13	6.88	24.264		
400.00	399.84	394.95	394.80	3.59	3.59	-136.21	167.77	7.43	172.98	165.79	7.19	24.049		
500.00	499.45	491.83	491.33	3.80	3.79	-135.57	171.17	14.91	182.92	175.32	7.60	24.078		
600.00	598.70	588.03	586.84	4.04	4.03	-134.77	175.88	25.28	196.81	188.73	8.08	24.350		
700.00	697.47	683.31	681.02	4.32	4.29	-133.88	181.85	38.42	214.63	205.99	8.64	24.845		
800.00	795.62	777.48	773.58	4.65	4.59	-132.94	189.02	54.20	236.31	227.06	9.25	25.535		
900.00	893.06	872.35	866.29	5.01	4.92	-132.06	197.35	72.53	261.63	251.71	9.92	26.369		
1,000.00	989.64	968.41	960.08	5.42	5.27	-131.68	205.94	91.43	289.40	278.75	10.64	27.189		
1,044.50	1,032.32	1,010.94	1,001.60	5.61	5.44	-131.66	209.74	99.79	302.47	291.49	10.98	27.545		
1,100.00	1,085.43	1,063.89	1,053.29	5.86	5.65	-131.93	214.48	110.21	319.06	307.65	11.41	27.972		
1,200.00	1,181.11	1,159.28	1,146.44	6.33	6.04	-132.35	223.01	128.98	348.95	336.76	12.20	28.609		
1,300.00	1,276.80	1,254.68	1,239.58	6.81	6.45	-132.70	231.54	147.75	378.86	365.84	13.02	29.104		
1,400.00	1,372.49	1,350.08	1,332.73	7.31	6.86	-133.01	240.07	166.51	408.78	394.92	13.86	29.488		
1,500.00	1,468.17	1,445.48	1,425.87	7.83	7.29	-133.27	248.59	185.28	438.72	423.99	14.73	29.789		
1,600.00	1,563.86	1,540.87	1,519.01	8.35	7.72	-133.50	257.12	204.05	468.65	453.04	15.61	30.025		
1,700.00	1,659.55	1,636.27	1,612.16	8.88	8.16	-133.70	265.65	222.82	498.60	482.09	16.50	30.210		
1,800.00	1,755.23	1,731.67	1,705.30	9.42	8.60	-133.87	274.18	241.59	528.55	511.13	17.41	30.356		
1,900.00	1,850.92	1,827.07	1,798.45	9.97	9.05	-134.03	282.71	260.35	558.50	540.17	18.33	30.471		
2,000.00	1,946.61	1,922.47	1,891.59	10.52	9.50	-134.18	291.24	279.12	588.45	569.20	19.25	30.561		
2,100.00	2,042.29	2,017.86	1,984.73	11.07	9.95	-134.30	299.77	297.89	618.41	598.23	20.19	30.633		
2,200.00	2,137.98	2,113.26	2,077.88	11.63	10.41	-134.42	308.30	316.66	648.38	627.25	21.13	30.689		
2,300.00	2,233.67	2,208.66	2,171.02	12.19	10.87	-134.53	316.83	335.43	678.34	656.27	22.07	30.732		
2,400.00	2,329.35	2,304.06	2,264.16	12.76	11.33	-134.63	325.36	354.20	708.31	685.28	23.02	30.765		
2,500.00	2,425.04	2,399.46	2,357.31	13.32	11.80	-134.71	333.89	372.96	738.27	714.30	23.98	30.791		
2,600.00	2,520.72	2,505.15	2,450.45	13.89	12.32	-134.80	342.42	391.73	768.24	743.26	24.99	30.748		
2,700.00	2,616.41	2,609.75	2,543.60	14.46	12.83	-134.87	350.95	410.50	798.21	772.22	25.99	30.710		
2,800.00	2,712.10	2,685.65	2,636.74	15.03	13.20	-134.94	359.48	429.27	828.19	801.32	26.86	30.832		
2,900.00	2,807.78	2,781.05	2,729.88	15.60	13.67	-135.01	368.01	448.04	858.16	830.33	27.83	30.837		
3,000.00	2,903.47	2,876.45	2,823.03	16.18	14.14	-135.07	376.54	466.80	888.13	859.34	28.80	30.840		
3,100.00	2,999.16	2,971.84	2,916.17	16.75	14.62	-135.13	385.06	485.57	918.11	888.34	29.77	30.840		
3,200.00	3,094.84	3,067.24	3,009.31	17.33	15.09	-135.18	393.59	504.34	948.08	917.34	30.74	30.838		
3,300.00	3,190.53	3,162.64	3,102.46	17.90	15.56	-135.23	402.12	523.11	978.06	946.34	31.72	30.835		
3,400.00	3,286.22	3,258.04	3,195.60	18.48	16.04	-135.28	410.65	541.88	1,008.04	975.34	32.70	30.830		
3,500.00	3,381.90	3,353.44	3,288.75	19.06	16.51	-135.33	419.18	560.64	1,038.01	1,004.34	33.68	30.824		
3,600.00	3,477.59	3,448.83	3,381.89	19.64	16.99	-135.37	427.71	579.41	1,067.99	1,033.34	34.66	30.817		
3,700.00	3,573.28	3,544.23	3,475.03	20.22	17.47	-135.41	436.24	598.18	1,097.97	1,062.33	35.64	30.810		
3,800.00	3,668.96	3,639.63	3,568.18	20.80	17.94	-135.45	444.77	616.95	1,127.95	1,091.33	36.62	30.802		
3,900.00	3,764.65	3,735.03	3,661.32	21.38	18.42	-135.48	453.30	635.72	1,157.93	1,120.33	37.60	30.794		
4,000.00	3,860.33	3,830.43	3,754.47	21.96	18.90	-135.52	461.83	654.49	1,187.91	1,149.32	38.59	30.785		
4,100.00	3,956.02	3,925.82	3,847.61	22.54	19.38	-135.55	470.36	673.25	1,217.89	1,178.32	39.57	30.776		
4,200.00	4,051.71	4,021.22	3,940.75	23.13	19.86	-135.58	478.89	692.02	1,247.87	1,207.31	40.56	30.767		
4,300.00	4,147.39	4,116.62	4,033.90	23.71	20.34	-135.61	487.42	710.79	1,277.85	1,236.31	41.55	30.757		
4,400.00	4,243.08	4,212.02	4,127.04	24.29	20.82	-135.64	495.95	729.56	1,307.83	1,265.30	42.53	30.748		
4,500.00	4,338.77	4,307.41	4,220.18	24.88	21.30	-135.66	504.48	748.33	1,337.81	1,294.29	43.52	30.738		
4,600.00	4,434.45	4,402.81	4,313.33	25.46	21.78	-135.69	513.01	767.09	1,367.80	1,323.28	44.51	30.729		
4,700.00	4,530.14	4,498.21	4,406.47	26.04	22.26	-135.71	521.54	785.86	1,397.78	1,352.28	45.50	30.719		
4,800.00	4,625.83	4,606.39	4,499.62	26.63	22.80	-135.74	530.06	804.63	1,427.76	1,381.20	46.56	30.667		
4,900.00	4,721.51	4,689.01	4,592.76	27.21	23.22	-135.76	538.59	823.40	1,457.74	1,410.26	47.48	30.700		
5,000.00	4,817.20	4,784.40	4,685.90	27.80	23.70	-135.78	547.12	842.17	1,487.72	1,439.25	48.47	30.691		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,879.80	4,779.05	28.38	24.18	-135.80	555.65	860.94	1,517.71	1,468.24	49.47	30.681		
5,200.00	5,008.57	4,975.20	4,872.19	28.97	24.66	-135.82	564.18	879.70	1,547.69	1,497.23	50.46	30.672		
5,300.00	5,104.26	5,070.60	4,965.33	29.55	25.15	-135.84	572.71	898.47	1,577.67	1,526.22	51.45	30.663		
5,400.00	5,199.94	5,166.00	5,058.48	30.14	25.63	-135.86	581.24	917.24	1,607.66	1,555.21	52.45	30.654		
5,500.00	5,295.63	5,261.39	5,151.62	30.72	26.11	-135.88	589.77	936.01	1,637.64	1,584.20	53.44	30.645		
5,600.00	5,391.32	5,356.79	5,244.77	31.31	26.59	-135.89	598.30	954.78	1,667.62	1,613.19	54.43	30.636		
5,700.00	5,487.00	5,452.19	5,337.91	31.90	27.08	-135.91	606.83	973.54	1,697.61	1,642.18	55.43	30.628		
5,800.00	5,582.69	5,547.59	5,431.05	32.48	27.56	-135.93	615.36	992.31	1,727.59	1,671.17	56.42	30.619		
5,900.00	5,678.38	5,642.99	5,524.20	33.07	28.04	-135.94	623.89	1,011.08	1,757.58	1,700.16	57.42	30.610		
6,000.00	5,774.06	5,738.38	5,617.34	33.65	28.52	-135.96	632.42	1,029.85	1,787.56	1,729.15	58.41	30.602		
6,100.00	5,869.75	5,833.78	5,710.49	34.24	29.01	-135.97	640.95	1,048.62	1,817.54	1,758.14	59.41	30.594		
6,200.00	5,965.44	5,929.18	5,803.63	34.83	29.49	-135.99	649.48	1,067.38	1,847.53	1,787.12	60.40	30.586		
6,300.00	6,061.12	6,024.58	5,896.77	35.41	29.97	-136.00	658.01	1,086.15	1,877.51	1,816.11	61.40	30.578		
6,400.00	6,156.81	6,119.98	5,989.92	36.00	30.46	-136.01	666.54	1,104.92	1,907.50	1,845.10	62.40	30.570		
6,500.00	6,252.50	6,215.37	6,083.06	36.59	30.94	-136.02	675.06	1,123.69	1,937.48	1,874.09	63.39	30.562		
6,600.00	6,348.18	6,310.77	6,176.20	37.18	31.43	-136.04	683.59	1,142.46	1,967.47	1,903.07	64.39	30.555		
6,636.04	6,382.67	6,345.16	6,209.78	37.39	31.60	-136.04	686.67	1,149.22	1,978.27	1,913.52	64.75	30.552		
6,650.00	6,396.05	6,358.47	6,222.77	37.47	31.67	-139.72	687.86	1,151.84	1,982.47	1,917.58	64.89	30.551		
6,700.00	6,444.38	6,406.03	6,269.21	37.74	31.91	-155.65	692.11	1,161.20	1,997.58	1,932.21	65.37	30.557		
6,750.00	6,493.07	6,453.17	6,315.24	37.98	32.15	-175.53	696.33	1,170.47	2,012.79	1,946.96	65.83	30.573		
6,800.00	6,541.82	6,499.60	6,360.57	38.18	32.38	163.71	700.48	1,179.61	2,028.05	1,961.77	66.28	30.599		
6,850.00	6,590.35	6,545.03	6,404.93	38.35	32.61	146.11	704.54	1,188.54	2,043.30	1,976.60	66.71	30.631		
6,900.00	6,638.34	6,589.19	6,448.04	38.50	32.84	133.00	708.49	1,197.23	2,058.55	1,991.42	67.13	30.666		
6,950.00	6,685.50	6,631.98	6,489.82	38.64	33.05	123.59	712.31	1,205.64	2,073.78	2,006.23	67.55	30.702		
7,000.00	6,731.54	6,676.93	6,534.03	38.77	33.27	116.75	716.36	1,212.67	2,088.96	2,020.97	67.99	30.726		
7,050.00	6,776.18	6,723.61	6,580.33	38.90	33.47	111.61	720.61	1,216.64	2,104.00	2,035.55	68.44	30.741		
7,100.00	6,819.14	6,772.30	6,628.81	39.03	33.66	107.64	725.05	1,217.14	2,118.81	2,049.90	68.92	30.745		
7,150.00	6,860.16	6,823.36	6,679.52	39.16	33.85	104.50	729.70	1,213.67	2,133.32	2,063.90	69.42	30.732		
7,200.00	6,898.98	6,877.17	6,732.49	39.31	34.04	101.98	734.56	1,205.61	2,147.42	2,077.46	69.96	30.697		
7,250.00	6,935.36	6,934.19	6,787.66	39.47	34.25	99.94	739.63	1,192.20	2,161.02	2,090.48	70.54	30.634		
7,300.00	6,969.08	6,994.93	6,844.85	39.65	34.49	98.29	744.89	1,172.53	2,174.01	2,102.83	71.18	30.542		
7,350.00	6,999.94	7,059.92	6,903.69	39.85	34.76	96.96	750.30	1,145.52	2,186.28	2,114.40	71.88	30.416		
7,400.00	7,027.74	7,129.72	6,963.47	40.08	35.07	95.91	755.80	1,109.97	2,197.69	2,125.05	72.65	30.252		
7,450.00	7,052.31	7,204.85	7,023.06	40.34	35.46	95.09	761.29	1,064.63	2,208.12	2,134.63	73.49	30.045		
7,500.00	7,073.49	7,285.68	7,080.75	40.63	35.94	94.47	766.62	1,008.35	2,217.41	2,142.96	74.44	29.786		
7,550.00	7,091.17	7,372.35	7,134.19	40.95	36.54	94.01	771.56	940.38	2,225.40	2,149.88	75.53	29.465		
7,600.00	7,105.22	7,464.57	7,180.40	41.31	37.30	93.68	775.85	860.77	2,231.95	2,155.18	76.77	29.072		
7,650.00	7,115.57	7,561.54	7,216.11	41.71	38.23	93.44	779.18	770.79	2,236.90	2,158.69	78.21	28.602		
7,700.00	7,122.15	7,661.84	7,238.30	42.15	39.34	93.24	781.27	673.10	2,240.13	2,160.30	79.83	28.062		
7,750.00	7,124.91	7,763.57	7,244.93	42.62	40.56	93.08	781.94	571.69	2,241.58	2,160.00	81.58	27.477		
7,759.54	7,125.00	7,767.90	7,245.02	42.72	40.63	93.07	781.95	567.37	2,241.70	2,159.93	81.77	27.415		
7,800.00	7,125.10	7,808.35	7,245.09	43.13	41.15	93.07	781.98	526.91	2,242.13	2,159.32	82.82	27.073		
7,900.00	7,125.34	7,908.35	7,245.27	44.28	42.56	93.07	782.06	426.92	2,243.21	2,157.59	85.62	26.200		
8,000.00	7,125.58	8,008.34	7,245.45	45.61	44.11	93.06	782.14	326.92	2,244.28	2,155.58	88.70	25.302		
8,100.00	7,125.82	8,108.34	7,245.63	47.10	45.79	93.06	782.22	226.93	2,245.36	2,153.32	92.03	24.397		
8,200.00	7,126.06	8,208.33	7,245.80	48.72	47.58	93.06	782.29	126.93	2,246.43	2,150.84	95.59	23.500		
8,300.00	7,126.30	8,308.32	7,245.98	50.48	49.47	93.05	782.37	26.94	2,247.50	2,148.15	99.35	22.622		
8,400.00	7,126.54	8,408.32	7,246.16	52.34	51.45	93.05	782.45	-73.05	2,248.58	2,145.29	103.29	21.770		
8,500.00	7,126.78	8,508.31	7,246.33	54.30	53.51	93.05	782.53	-173.05	2,249.65	2,142.27	107.38	20.949		
8,600.00	7,127.02	8,608.31	7,246.51	56.35	55.65	93.04	782.60	-273.04	2,250.73	2,139.10	111.62	20.164		
8,700.00	7,127.26	8,708.30	7,246.69	58.47	57.84	93.04	782.68	-373.04	2,251.80	2,135.81	115.99	19.414		
8,800.00	7,127.50	8,808.29	7,246.87	60.66	60.09	93.04	782.76	-473.03	2,252.88	2,132.41	120.47	18.701		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,908.29	7,247.04	62.90	62.40	93.04	782.84	-573.02	2,253.95	2,128.91	125.04	18.025		
9,000.00	7,127.98	9,008.28	7,247.22	65.19	64.74	93.03	782.91	-673.02	2,255.02	2,125.31	129.71	17.385		
9,100.00	7,128.22	9,108.28	7,247.40	67.53	67.13	93.03	782.99	-773.01	2,256.10	2,121.64	134.46	16.779		
9,200.00	7,128.46	9,208.27	7,247.57	69.92	69.55	93.03	783.07	-873.01	2,257.17	2,117.89	139.28	16.206		
9,300.00	7,128.70	9,308.27	7,247.75	72.33	72.01	93.02	783.15	-973.00	2,258.25	2,114.08	144.16	15.665		
9,400.00	7,128.94	9,408.26	7,247.93	74.78	74.49	93.02	783.22	-1,072.99	2,259.32	2,110.21	149.11	15.152		
9,500.00	7,129.18	9,508.25	7,248.11	77.26	77.00	93.02	783.30	-1,172.99	2,260.39	2,106.29	154.10	14.668		
9,600.00	7,129.42	9,608.25	7,248.28	79.76	79.54	93.01	783.38	-1,272.98	2,261.47	2,102.32	159.15	14.210		
9,700.00	7,129.66	9,708.24	7,248.46	82.29	82.09	93.01	783.46	-1,372.98	2,262.54	2,098.31	164.24	13.776		
9,800.00	7,129.90	9,808.24	7,248.64	84.84	84.67	93.01	783.53	-1,472.97	2,263.62	2,094.25	169.36	13.365		
9,900.00	7,130.14	9,908.23	7,248.81	87.41	87.26	93.01	783.61	-1,572.96	2,264.69	2,090.16	174.53	12.976		
10,000.00	7,130.38	10,008.22	7,248.99	90.00	89.87	93.00	783.69	-1,672.96	2,265.77	2,086.04	179.72	12.607		
10,100.00	7,130.62	10,108.22	7,249.17	92.60	92.49	93.00	783.77	-1,772.95	2,266.84	2,081.89	184.95	12.256		
10,200.00	7,130.86	10,208.21	7,249.35	95.22	95.13	93.00	783.84	-1,872.95	2,267.91	2,077.71	190.21	11.923		
10,300.00	7,131.09	10,308.21	7,249.52	97.85	97.78	92.99	783.92	-1,972.94	2,268.99	2,073.50	195.49	11.607		
10,400.00	7,131.33	10,408.20	7,249.70	100.50	100.44	92.99	784.00	-2,072.93	2,270.06	2,069.27	200.79	11.306		
10,500.00	7,131.57	10,508.20	7,249.88	103.16	103.11	92.99	784.08	-2,172.93	2,271.14	2,065.02	206.12	11.019		
10,600.00	7,131.81	10,608.19	7,250.05	105.82	105.80	92.98	784.15	-2,272.92	2,272.21	2,060.75	211.46	10.745		
10,700.00	7,132.05	10,708.18	7,250.23	108.50	108.49	92.98	784.23	-2,372.92	2,273.29	2,056.46	216.83	10.484		
10,800.00	7,132.29	10,808.18	7,250.41	111.19	111.19	92.98	784.31	-2,472.91	2,274.36	2,052.15	222.21	10.235		
10,900.00	7,132.53	10,908.17	7,250.59	113.88	113.89	92.98	784.39	-2,572.90	2,275.43	2,047.83	227.60	9.997		
11,000.00	7,132.77	11,008.17	7,250.76	116.58	116.61	92.97	784.46	-2,672.90	2,276.51	2,043.49	233.02	9.770		
11,100.00	7,133.01	11,108.16	7,250.94	119.29	119.33	92.97	784.54	-2,772.89	2,277.58	2,039.14	238.44	9.552		
11,200.00	7,133.25	11,208.15	7,251.12	122.01	122.06	92.97	784.62	-2,872.89	2,278.66	2,034.78	243.88	9.343		
11,300.00	7,133.49	11,308.15	7,251.29	124.73	124.79	92.96	784.70	-2,972.88	2,279.73	2,030.40	249.33	9.143		
11,400.00	7,133.73	11,408.14	7,251.47	127.46	127.53	92.96	784.77	-3,072.87	2,280.81	2,026.01	254.80	8.951		
11,500.00	7,133.97	11,508.14	7,251.65	130.19	130.28	92.96	784.85	-3,172.87	2,281.88	2,021.61	260.27	8.767		
11,600.00	7,134.21	11,608.13	7,251.83	132.93	133.02	92.95	784.93	-3,272.86	2,282.96	2,017.20	265.75	8.591		
11,700.00	7,134.45	11,708.13	7,252.00	135.68	135.78	92.95	785.00	-3,372.86	2,284.03	2,012.78	271.25	8.421		
11,800.00	7,134.69	11,808.12	7,252.18	138.43	138.54	92.95	785.08	-3,472.85	2,285.10	2,008.36	276.75	8.257		
11,900.00	7,134.93	11,908.11	7,252.36	141.18	141.30	92.95	785.16	-3,572.84	2,286.18	2,003.92	282.26	8.100		
12,000.00	7,135.17	12,008.11	7,252.53	143.94	144.07	92.94	785.24	-3,672.84	2,287.25	1,999.48	287.77	7.948		
12,100.00	7,135.41	12,108.10	7,252.71	146.70	146.84	92.94	785.31	-3,772.83	2,288.33	1,995.03	293.30	7.802		
12,200.00	7,135.65	12,208.10	7,252.89	149.46	149.61	92.94	785.39	-3,872.82	2,289.40	1,990.57	298.83	7.661		
12,300.00	7,135.89	12,308.09	7,253.07	152.23	152.38	92.93	785.47	-3,972.82	2,290.48	1,986.11	304.37	7.525		
12,400.00	7,136.13	12,408.08	7,253.24	155.00	155.16	92.93	785.55	-4,072.81	2,291.55	1,981.64	309.91	7.394		
12,500.00	7,136.37	12,508.08	7,253.42	157.78	157.95	92.93	785.62	-4,172.81	2,292.62	1,977.16	315.46	7.267		
12,600.00	7,136.61	12,608.07	7,253.60	160.55	160.73	92.93	785.70	-4,272.80	2,293.70	1,972.68	321.02	7.145		
12,700.00	7,136.85	12,708.07	7,253.77	163.33	163.52	92.92	785.78	-4,372.79	2,294.77	1,968.19	326.58	7.027		
12,800.00	7,137.09	12,808.06	7,253.95	166.12	166.31	92.92	785.86	-4,472.79	2,295.85	1,963.70	332.15	6.912		
12,900.00	7,137.33	12,908.06	7,254.13	168.90	169.10	92.92	785.93	-4,572.78	2,296.92	1,959.20	337.72	6.801		
13,000.00	7,137.57	13,008.05	7,254.31	171.69	171.90	92.91	786.01	-4,672.78	2,298.00	1,954.70	343.30	6.694		
13,100.00	7,137.81	13,108.04	7,254.48	174.48	174.69	92.91	786.09	-4,772.77	2,299.07	1,950.19	348.88	6.590		
13,200.00	7,138.05	13,208.04	7,254.66	177.27	177.49	92.91	786.17	-4,872.76	2,300.15	1,945.68	354.46	6.489		
13,300.00	7,138.29	13,308.03	7,254.84	180.07	180.29	92.90	786.24	-4,972.76	2,301.22	1,941.17	360.05	6.391		
13,400.00	7,138.53	13,408.03	7,255.01	182.86	183.10	92.90	786.32	-5,072.75	2,302.29	1,936.65	365.64	6.297		
13,500.00	7,138.77	13,508.02	7,255.19	185.66	185.90	92.90	786.40	-5,172.75	2,303.37	1,932.13	371.24	6.205		
13,600.00	7,139.01	13,608.01	7,255.37	188.46	188.71	92.90	786.48	-5,272.74	2,304.44	1,927.61	376.84	6.115		
13,700.00	7,139.25	13,708.01	7,255.55	191.26	191.51	92.89	786.55	-5,372.73	2,305.52	1,923.08	382.44	6.028		
13,800.00	7,139.49	13,808.00	7,255.72	194.06	194.32	92.89	786.63	-5,472.73	2,306.59	1,918.55	388.05	5.944		
13,900.00	7,139.73	13,908.00	7,255.90	196.87	197.13	92.89	786.71	-5,572.72	2,307.67	1,914.01	393.66	5.862		
14,000.00	7,139.97	14,007.99	7,256.08	199.68	199.95	92.88	786.79	-5,672.72	2,308.74	1,909.47	399.27	5.782		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	14,107.99	7,256.25	202.48	202.76	92.88	786.86	-5,772.71	2,309.82	1,904.93	404.88	5.705		
14,200.00	7,140.45	14,207.98	7,256.43	205.29	205.57	92.88	786.94	-5,872.70	2,310.89	1,900.39	410.50	5.629		
14,300.00	7,140.69	14,307.97	7,256.61	208.10	208.39	92.88	787.02	-5,972.70	2,311.97	1,895.85	416.12	5.556		
14,400.00	7,140.93	14,407.97	7,256.79	210.91	211.21	92.87	787.10	-6,072.69	2,313.04	1,891.30	421.74	5.484		
14,500.00	7,141.17	14,507.96	7,256.96	213.73	214.02	92.87	787.17	-6,172.69	2,314.11	1,886.75	427.37	5.415		
14,600.00	7,141.41	14,607.96	7,257.14	216.54	216.84	92.87	787.25	-6,272.68	2,315.19	1,882.20	432.99	5.347		
14,700.00	7,141.65	14,707.95	7,257.32	219.36	219.66	92.86	787.33	-6,372.67	2,316.26	1,877.64	438.62	5.281		
14,800.00	7,141.89	14,807.94	7,257.49	222.17	222.49	92.86	787.41	-6,472.67	2,317.34	1,873.08	444.25	5.216		
14,900.00	7,142.13	14,907.94	7,257.67	224.99	225.31	92.86	787.48	-6,572.66	2,318.41	1,868.53	449.89	5.153		
15,000.00	7,142.36	15,007.93	7,257.85	227.81	228.13	92.86	787.56	-6,672.66	2,319.49	1,863.97	455.52	5.092		
15,100.00	7,142.60	15,107.93	7,258.03	230.63	230.96	92.85	787.64	-6,772.65	2,320.56	1,859.40	461.16	5.032		
15,200.00	7,142.84	15,207.92	7,258.20	233.45	233.78	92.85	787.72	-6,872.64	2,321.64	1,854.84	466.80	4.974		
15,300.00	7,143.08	15,307.92	7,258.38	236.27	236.61	92.85	787.79	-6,972.64	2,322.71	1,850.27	472.44	4.916		
15,400.00	7,143.32	15,407.91	7,258.56	239.09	239.43	92.84	787.87	-7,072.63	2,323.79	1,845.70	478.08	4.861		
15,500.00	7,143.56	15,507.90	7,258.73	241.91	242.26	92.84	787.95	-7,172.63	2,324.86	1,841.14	483.72	4.806		
15,600.00	7,143.80	15,607.90	7,258.91	244.73	245.09	92.84	788.03	-7,272.62	2,325.93	1,836.56	489.37	4.753		
15,700.00	7,144.04	15,707.89	7,259.09	247.56	247.92	92.84	788.10	-7,372.61	2,327.01	1,831.99	495.02	4.701		
15,800.00	7,144.28	15,807.89	7,259.27	250.38	250.75	92.83	788.18	-7,472.61	2,328.08	1,827.42	500.67	4.650		
15,900.00	7,144.52	15,907.88	7,259.44	253.21	253.58	92.83	788.26	-7,572.60	2,329.16	1,822.84	506.32	4.600		
16,000.00	7,144.76	16,007.87	7,259.62	256.03	256.41	92.83	788.34	-7,672.60	2,330.23	1,818.27	511.97	4.552		
16,100.00	7,145.00	16,107.87	7,259.80	258.86	259.24	92.82	788.41	-7,772.59	2,331.31	1,813.69	517.62	4.504		
16,200.00	7,145.24	16,207.86	7,259.97	261.69	262.07	92.82	788.49	-7,872.58	2,332.38	1,809.11	523.27	4.457		
16,300.00	7,145.48	16,307.86	7,260.15	264.52	264.91	92.82	788.57	-7,972.58	2,333.46	1,804.53	528.93	4.412		
16,400.00	7,145.72	16,407.85	7,260.33	267.35	267.74	92.82	788.65	-8,072.57	2,334.53	1,799.95	534.58	4.367		
16,500.00	7,145.96	16,507.84	7,260.51	270.18	270.57	92.81	788.72	-8,172.57	2,335.61	1,795.36	540.24	4.323		
16,600.00	7,146.20	16,607.84	7,260.68	273.01	273.41	92.81	788.80	-8,272.56	2,336.68	1,790.78	545.90	4.280		
16,700.00	7,146.44	16,707.83	7,260.86	275.84	276.24	92.81	788.88	-8,372.55	2,337.76	1,786.19	551.56	4.238		
16,800.00	7,146.68	16,807.83	7,261.04	278.67	279.08	92.80	788.96	-8,472.55	2,338.83	1,781.61	557.22	4.197		
16,900.00	7,146.92	16,907.82	7,261.21	281.50	281.92	92.80	789.03	-8,572.54	2,339.90	1,777.02	562.88	4.157		
17,000.00	7,147.16	17,007.82	7,261.39	284.33	284.75	92.80	789.11	-8,672.54	2,340.98	1,772.43	568.55	4.117		
17,100.00	7,147.40	17,107.81	7,261.57	287.16	287.59	92.80	789.19	-8,772.53	2,342.05	1,767.84	574.21	4.079		
17,200.00	7,147.64	17,207.80	7,261.75	290.00	290.43	92.79	789.27	-8,872.52	2,343.13	1,763.25	579.87	4.041		
17,300.00	7,147.88	17,307.80	7,261.92	292.83	293.27	92.79	789.34	-8,972.52	2,344.20	1,758.66	585.54	4.003		
17,400.00	7,148.12	17,407.79	7,262.10	295.66	296.10	92.79	789.42	-9,072.51	2,345.28	1,754.07	591.21	3.967		
17,500.00	7,148.36	17,507.79	7,262.28	298.50	298.94	92.78	789.50	-9,172.51	2,346.35	1,749.48	596.87	3.931		
17,600.00	7,148.60	17,607.78	7,262.45	301.33	301.78	92.78	789.58	-9,272.50	2,347.43	1,744.88	602.54	3.896		
17,700.00	7,148.84	17,707.77	7,262.63	304.17	304.62	92.78	789.65	-9,372.49	2,348.50	1,740.29	608.21	3.861		
17,800.00	7,149.08	17,807.77	7,262.81	307.00	307.46	92.78	789.73	-9,472.48	2,349.58	1,735.69	613.88	3.827		
17,900.00	7,149.32	17,907.76	7,262.99	309.84	310.30	92.77	789.81	-9,572.48	2,350.65	1,731.10	619.55	3.794		
18,000.00	7,149.56	18,007.76	7,263.16	312.68	313.14	92.77	789.89	-9,672.48	2,351.73	1,726.50	625.22	3.761		
18,100.00	7,149.80	18,107.75	7,263.34	315.51	315.98	92.77	789.96	-9,772.47	2,352.80	1,721.90	630.90	3.729		
18,200.00	7,150.04	18,207.75	7,263.52	318.35	318.83	92.76	790.04	-9,872.46	2,353.88	1,717.31	636.57	3.698		
18,300.00	7,150.28	18,307.74	7,263.69	321.19	321.67	92.76	790.12	-9,972.46	2,354.95	1,712.71	642.24	3.667		
18,400.00	7,150.52	18,407.73	7,263.87	324.03	324.51	92.76	790.19	-10,072.45	2,356.03	1,708.11	647.92	3.636		
18,500.00	7,150.76	18,507.73	7,264.05	326.86	327.35	92.76	790.27	-10,172.45	2,357.10	1,703.51	653.59	3.606		
18,600.00	7,151.00	18,607.72	7,264.23	329.70	330.19	92.75	790.35	-10,272.44	2,358.18	1,698.91	659.27	3.577		
18,700.00	7,151.24	18,707.72	7,264.40	332.54	333.04	92.75	790.43	-10,372.43	2,359.25	1,694.30	664.94	3.548		
18,800.00	7,151.48	18,807.71	7,264.58	335.38	335.88	92.75	790.50	-10,472.43	2,360.32	1,689.70	670.62	3.520		
18,900.00	7,151.72	18,907.70	7,264.76	338.22	338.72	92.75	790.58	-10,572.42	2,361.40	1,685.10	676.30	3.492		
19,000.00	7,151.96	19,007.70	7,264.93	341.06	341.57	92.74	790.66	-10,672.42	2,362.47	1,680.50	681.98	3.464		
19,018.30	7,152.00	19,026.00	7,264.97	341.58	342.09	92.74	790.67	-10,690.71	2,362.67	1,679.65	683.02	3.459 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	150.09	1.39	150.10					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	150.09	1.39	150.10	143.53	6.57	22.848		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	150.09	1.39	150.10	143.42	6.67	22.490 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-137.15	150.09	1.39	151.37	144.49	6.89	21.984		
400.00	399.84	398.31	398.29	3.59	3.60	-137.79	150.60	3.00	155.74	148.55	7.19	21.654		
500.00	499.45	496.41	496.26	3.80	3.79	-138.01	152.11	7.81	163.69	156.10	7.59	21.568		
600.00	598.70	594.10	593.59	4.04	4.03	-137.84	154.63	15.78	175.20	167.13	8.07	21.714		
700.00	697.47	691.18	689.97	4.32	4.30	-137.37	158.11	26.82	190.24	181.62	8.62	22.075		
800.00	795.62	787.47	785.12	4.65	4.59	-136.65	162.53	40.85	208.77	199.54	9.23	22.622		
900.00	893.06	882.78	878.77	5.01	4.91	-135.79	167.85	57.73	230.78	220.89	9.90	23.322		
1,000.00	989.64	978.46	972.25	5.42	5.26	-134.93	173.98	77.17	256.07	245.46	10.61	24.124		
1,044.50	1,032.32	1,021.29	1,014.07	5.61	5.42	-134.71	176.77	86.00	268.14	257.19	10.95	24.479		
1,100.00	1,085.43	1,074.63	1,066.15	5.86	5.63	-134.72	180.23	96.99	283.48	272.10	11.38	24.906		
1,200.00	1,181.11	1,170.73	1,159.98	6.33	6.02	-134.75	186.48	116.80	311.12	298.95	12.18	25.547		
1,300.00	1,276.80	1,266.84	1,253.81	6.81	6.43	-134.77	192.72	136.61	338.77	325.76	13.01	26.047		
1,400.00	1,372.49	1,362.94	1,347.65	7.31	6.85	-134.79	198.97	156.41	366.41	352.55	13.86	26.439		
1,500.00	1,468.17	1,459.04	1,441.48	7.83	7.27	-134.80	205.21	176.22	394.05	379.32	14.73	26.748		
1,600.00	1,563.86	1,555.15	1,535.31	8.35	7.71	-134.82	211.46	196.03	421.69	406.07	15.62	26.993		
1,700.00	1,659.55	1,651.25	1,629.15	8.88	8.15	-134.83	217.70	215.83	449.33	432.81	16.53	27.187		
1,800.00	1,755.23	1,747.36	1,722.98	9.42	8.59	-134.84	223.95	235.64	476.98	459.53	17.45	27.342		
1,900.00	1,850.92	1,843.46	1,816.81	9.97	9.05	-134.85	230.19	255.45	504.62	486.24	18.37	27.465		
2,000.00	1,946.61	1,939.56	1,910.64	10.52	9.50	-134.85	236.44	275.25	532.26	512.95	19.31	27.564		
2,100.00	2,042.29	2,035.67	2,004.48	11.07	9.96	-134.86	242.68	295.06	559.90	539.65	20.25	27.644		
2,200.00	2,137.98	2,131.77	2,098.31	11.63	10.42	-134.87	248.93	314.87	587.54	566.34	21.21	27.708		
2,300.00	2,233.67	2,227.87	2,192.14	12.19	10.89	-134.87	255.17	334.67	615.19	593.02	22.16	27.759		
2,400.00	2,329.35	2,323.98	2,285.98	12.76	11.36	-134.88	261.42	354.48	642.83	619.70	23.12	27.799		
2,500.00	2,425.04	2,420.08	2,379.81	13.32	11.82	-134.88	267.66	374.29	670.47	646.38	24.09	27.832		
2,600.00	2,520.72	2,516.19	2,473.64	13.89	12.30	-134.89	273.91	394.09	698.11	673.05	25.06	27.857		
2,700.00	2,616.41	2,612.29	2,567.47	14.46	12.77	-134.89	280.15	413.90	725.75	699.72	26.03	27.877		
2,800.00	2,712.10	2,708.39	2,661.31	15.03	13.24	-134.90	286.40	433.71	753.39	726.38	27.01	27.892		
2,900.00	2,807.78	2,804.50	2,755.14	15.60	13.72	-134.90	292.64	453.51	781.04	753.05	27.99	27.904		
3,000.00	2,903.47	2,900.60	2,848.97	16.18	14.20	-134.90	298.89	473.32	808.68	779.71	28.97	27.912		
3,100.00	2,999.16	3,003.30	2,942.81	16.75	14.71	-134.91	305.13	493.13	836.32	806.33	29.99	27.887		
3,200.00	3,094.84	3,107.19	3,036.64	17.33	15.23	-134.91	311.38	512.93	863.96	832.95	31.02	27.856		
3,300.00	3,190.53	3,188.91	3,130.47	17.90	15.63	-134.91	317.62	532.74	891.60	859.67	31.93	27.922		
3,400.00	3,286.22	3,285.01	3,224.30	18.48	16.11	-134.92	323.87	552.55	919.25	886.32	32.92	27.922		
3,500.00	3,381.90	3,381.12	3,318.14	19.06	16.60	-134.92	330.11	572.35	946.89	912.98	33.91	27.920		
3,600.00	3,477.59	3,477.22	3,411.97	19.64	17.08	-134.92	336.36	592.16	974.53	939.62	34.91	27.918		
3,700.00	3,573.28	3,573.33	3,505.80	20.22	17.56	-134.92	342.60	611.97	1,002.17	966.27	35.90	27.915		
3,800.00	3,668.96	3,669.43	3,599.64	20.80	18.04	-134.93	348.85	631.77	1,029.81	992.92	36.90	27.911		
3,900.00	3,764.65	3,765.53	3,693.47	21.38	18.53	-134.93	355.09	651.58	1,057.46	1,019.56	37.89	27.906		
4,000.00	3,860.33	3,861.64	3,787.30	21.96	19.01	-134.93	361.34	671.39	1,085.10	1,046.21	38.89	27.901		
4,100.00	3,956.02	3,957.74	3,881.14	22.54	19.50	-134.93	367.58	691.19	1,112.74	1,072.85	39.89	27.895		
4,200.00	4,051.71	4,053.84	3,974.97	23.13	19.98	-134.93	373.83	711.00	1,140.38	1,099.49	40.89	27.890		
4,300.00	4,147.39	4,149.95	4,068.80	23.71	20.47	-134.93	380.07	730.81	1,168.02	1,126.14	41.89	27.883		
4,400.00	4,243.08	4,246.05	4,162.63	24.29	20.95	-134.94	386.32	750.61	1,195.67	1,152.78	42.89	27.877		
4,500.00	4,338.77	4,342.16	4,256.47	24.88	21.44	-134.94	392.56	770.42	1,223.31	1,179.42	43.89	27.871		
4,600.00	4,434.45	4,438.26	4,350.30	25.46	21.93	-134.94	398.81	790.23	1,250.95	1,206.06	44.89	27.864		
4,700.00	4,530.14	4,534.36	4,444.13	26.04	22.41	-134.94	405.05	810.03	1,278.59	1,232.69	45.90	27.857		
4,800.00	4,625.83	4,630.47	4,537.97	26.63	22.90	-134.94	411.30	829.84	1,306.23	1,259.33	46.90	27.851		
4,900.00	4,721.51	4,726.57	4,631.80	27.21	23.39	-134.94	417.54	849.65	1,333.88	1,285.97	47.91	27.844		
5,000.00	4,817.20	4,822.67	4,725.63	27.80	23.87	-134.94	423.79	869.45	1,361.52	1,312.61	48.91	27.837		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,918.78	4,819.46	28.38	24.36	-134.95	430.03	889.26	1,389.16	1,339.25	49.92	27.830		
5,200.00	5,008.57	5,014.88	4,913.30	28.97	24.85	-134.95	436.28	909.07	1,416.80	1,365.88	50.92	27.823		
5,300.00	5,104.26	5,110.98	5,007.13	29.55	25.34	-134.95	442.52	928.87	1,444.45	1,392.52	51.93	27.816		
5,400.00	5,199.94	5,207.09	5,100.96	30.14	25.83	-134.95	448.77	948.68	1,472.09	1,419.15	52.93	27.810		
5,500.00	5,295.63	5,303.19	5,194.80	30.72	26.32	-134.95	455.01	968.49	1,499.73	1,445.79	53.94	27.803		
5,600.00	5,391.32	5,400.70	5,288.63	31.31	26.81	-134.95	461.26	988.29	1,527.37	1,472.42	54.96	27.793		
5,700.00	5,487.00	5,504.60	5,382.46	31.90	27.34	-134.95	467.50	1,008.10	1,555.01	1,499.01	56.00	27.766		
5,800.00	5,582.69	5,608.50	5,476.29	32.48	27.87	-134.95	473.75	1,027.91	1,582.66	1,525.60	57.05	27.741		
5,900.00	5,678.38	5,687.61	5,570.13	33.07	28.27	-134.95	479.99	1,047.71	1,610.30	1,552.32	57.97	27.777		
6,000.00	5,774.06	5,783.71	5,663.96	33.65	28.76	-134.95	486.24	1,067.52	1,637.94	1,578.96	58.98	27.770		
6,100.00	5,869.75	5,879.81	5,757.79	34.24	29.25	-134.95	492.48	1,087.33	1,665.58	1,605.59	59.99	27.764		
6,200.00	5,965.44	5,975.92	5,851.63	34.83	29.74	-134.96	498.73	1,107.13	1,693.22	1,632.22	61.00	27.758		
6,300.00	6,061.12	6,072.02	5,945.46	35.41	30.23	-134.96	504.97	1,126.94	1,720.87	1,658.86	62.01	27.751		
6,400.00	6,156.81	6,168.13	6,039.29	36.00	30.72	-134.96	511.22	1,146.75	1,748.51	1,685.49	63.02	27.745		
6,500.00	6,252.50	6,264.23	6,133.12	36.59	31.21	-134.96	517.46	1,166.55	1,776.15	1,712.12	64.03	27.739		
6,600.00	6,348.18	6,360.33	6,226.96	37.18	31.70	-134.96	523.71	1,186.36	1,803.79	1,738.75	65.04	27.733		
6,636.04	6,382.67	6,394.97	6,260.78	37.39	31.88	-134.96	525.96	1,193.50	1,813.75	1,748.35	65.40	27.731		
6,650.00	6,396.05	6,408.38	6,273.87	37.47	31.94	-138.60	526.83	1,196.26	1,817.62	1,752.08	65.55	27.731		
6,700.00	6,444.38	6,456.57	6,320.96	37.74	32.19	-154.41	529.97	1,205.96	1,831.62	1,765.59	66.03	27.737		
6,750.00	6,493.07	6,505.34	6,369.13	37.98	32.41	-174.26	533.17	1,212.85	1,845.78	1,779.29	66.49	27.761		
6,800.00	6,541.82	6,554.39	6,417.95	38.18	32.62	164.92	536.42	1,216.04	1,860.00	1,793.10	66.90	27.801		
6,850.00	6,590.35	6,603.76	6,467.20	38.35	32.80	147.16	539.69	1,215.43	1,874.20	1,806.92	67.28	27.855		
6,900.00	6,638.34	6,653.51	6,516.63	38.50	32.98	133.83	542.98	1,210.95	1,888.30	1,820.64	67.65	27.911		
6,950.00	6,685.50	6,703.68	6,565.97	38.64	33.16	124.15	546.25	1,202.53	1,902.20	1,834.16	68.03	27.960		
7,000.00	6,731.54	6,754.32	6,614.94	38.77	33.35	116.99	549.51	1,190.11	1,915.82	1,847.39	68.43	27.998		
7,050.00	6,776.18	6,805.48	6,663.26	38.90	33.56	111.53	552.71	1,173.65	1,929.08	1,860.23	68.84	28.022		
7,100.00	6,819.14	6,857.19	6,710.59	39.03	33.78	107.24	555.85	1,153.11	1,941.89	1,872.60	69.29	28.027		
7,150.00	6,860.16	6,909.48	6,756.61	39.16	34.01	103.76	558.90	1,128.50	1,954.18	1,884.41	69.77	28.010		
7,200.00	6,898.98	6,962.38	6,800.95	39.31	34.28	100.90	561.84	1,099.83	1,965.87	1,895.57	70.29	27.967		
7,250.00	6,935.36	7,015.88	6,843.23	39.47	34.57	98.50	564.64	1,067.19	1,976.88	1,906.01	70.87	27.896		
7,300.00	6,969.08	7,070.01	6,883.07	39.65	34.90	96.47	567.28	1,030.67	1,987.14	1,915.64	71.50	27.791		
7,350.00	6,999.94	7,124.73	6,920.05	39.85	35.26	94.75	569.72	990.43	1,996.59	1,924.38	72.20	27.652		
7,400.00	7,027.74	7,180.01	6,953.77	40.08	35.67	93.29	571.95	946.70	2,005.16	1,932.18	72.98	27.474		
7,450.00	7,052.31	7,235.83	6,983.85	40.34	36.14	92.06	573.93	899.75	2,012.80	1,938.96	73.85	27.257		
7,500.00	7,073.49	7,292.10	7,009.90	40.63	36.65	91.03	575.65	849.92	2,019.46	1,944.67	74.79	27.001		
7,550.00	7,091.17	7,348.77	7,031.60	40.95	37.21	90.18	577.07	797.61	2,025.09	1,949.26	75.83	26.706		
7,600.00	7,105.22	7,405.73	7,048.65	41.31	37.83	89.51	578.19	743.29	2,029.66	1,952.71	76.95	26.375		
7,650.00	7,115.57	7,462.90	7,060.82	41.71	38.50	89.01	578.98	687.46	2,033.13	1,954.98	78.16	26.014		
7,700.00	7,122.15	7,520.15	7,067.95	42.15	39.20	88.66	579.43	630.67	2,035.49	1,956.06	79.42	25.629		
7,750.00	7,124.91	7,576.61	7,070.00	42.62	39.92	88.47	579.55	574.27	2,036.71	1,955.98	80.73	25.230		
7,759.54	7,125.00	7,586.15	7,070.00	42.72	40.05	88.45	579.54	564.73	2,036.82	1,955.85	80.97	25.155		
7,800.00	7,125.10	7,626.61	7,070.00	43.13	40.60	88.45	579.53	524.27	2,037.21	1,955.17	82.04	24.831		
7,900.00	7,125.34	7,726.60	7,070.01	44.28	42.06	88.45	579.50	424.28	2,038.19	1,953.30	84.89	24.011		
8,000.00	7,125.58	7,826.60	7,070.02	45.61	43.65	88.44	579.46	324.28	2,039.16	1,951.15	88.01	23.171		
8,100.00	7,125.82	7,926.59	7,070.03	47.10	45.37	88.43	579.43	224.29	2,040.13	1,948.75	91.38	22.326		
8,200.00	7,126.06	8,026.59	7,070.04	48.72	47.20	88.43	579.40	124.29	2,041.11	1,946.13	94.98	21.491		
8,300.00	7,126.30	8,126.58	7,070.05	50.48	49.13	88.42	579.36	24.30	2,042.08	1,943.31	98.77	20.675		
8,400.00	7,126.54	8,226.58	7,070.06	52.34	51.14	88.42	579.33	-75.70	2,043.05	1,940.31	102.75	19.885		
8,500.00	7,126.78	8,326.57	7,070.07	54.30	53.23	88.41	579.29	-175.69	2,044.03	1,937.15	106.88	19.125		
8,600.00	7,127.02	8,426.57	7,070.07	56.35	55.40	88.41	579.26	-275.69	2,045.00	1,933.85	111.15	18.399		
8,700.00	7,127.26	8,526.56	7,070.08	58.47	57.62	88.40	579.23	-375.68	2,045.98	1,930.43	115.55	17.707		
8,800.00	7,127.50	8,626.56	7,070.09	60.66	59.90	88.39	579.19	-475.68	2,046.95	1,926.90	120.05	17.050		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,726.55	7,070.10	62.90	62.22	88.39	579.16	-575.67	2,047.92	1,923.26	124.66	16.428		
9,000.00	7,127.98	8,826.55	7,070.11	65.19	64.59	88.38	579.13	-675.67	2,048.90	1,919.54	129.36	15.839		
9,100.00	7,128.22	8,926.54	7,070.12	67.53	67.00	88.38	579.09	-775.66	2,049.87	1,915.74	134.13	15.283		
9,200.00	7,128.46	9,026.54	7,070.13	69.92	69.44	88.37	579.06	-875.66	2,050.85	1,911.87	138.98	14.757		
9,300.00	7,128.70	9,126.53	7,070.14	72.33	71.91	88.37	579.03	-975.65	2,051.82	1,907.94	143.89	14.260		
9,400.00	7,128.94	9,226.53	7,070.15	74.78	74.41	88.36	578.99	-1,075.65	2,052.79	1,903.94	148.85	13.791		
9,500.00	7,129.18	9,326.52	7,070.15	77.26	76.94	88.35	578.96	-1,175.64	2,053.77	1,899.90	153.87	13.347		
9,600.00	7,129.42	9,426.52	7,070.16	79.76	79.48	88.35	578.92	-1,275.64	2,054.74	1,895.81	158.94	12.928		
9,700.00	7,129.66	9,526.51	7,070.17	82.29	82.05	88.34	578.89	-1,375.63	2,055.72	1,891.67	164.04	12.532		
9,800.00	7,129.90	9,626.51	7,070.18	84.84	84.64	88.34	578.86	-1,475.63	2,056.69	1,887.50	169.19	12.156		
9,900.00	7,130.14	9,726.50	7,070.19	87.41	87.24	88.33	578.82	-1,575.62	2,057.67	1,883.29	174.37	11.800		
10,000.00	7,130.38	9,826.50	7,070.20	90.00	89.86	88.33	578.79	-1,675.62	2,058.64	1,879.05	179.59	11.463		
10,100.00	7,130.62	9,926.49	7,070.21	92.60	92.50	88.32	578.76	-1,775.61	2,059.61	1,874.78	184.83	11.143		
10,200.00	7,130.86	10,026.49	7,070.22	95.22	95.15	88.31	578.72	-1,875.61	2,060.59	1,870.49	190.10	10.839		
10,300.00	7,131.09	10,126.48	7,070.23	97.85	97.80	88.31	578.69	-1,975.60	2,061.56	1,866.16	195.40	10.551		
10,400.00	7,131.33	10,226.48	7,070.23	100.50	100.47	88.30	578.65	-2,075.60	2,062.54	1,861.82	200.72	10.276		
10,500.00	7,131.57	10,326.47	7,070.24	103.16	103.15	88.30	578.62	-2,175.59	2,063.51	1,857.45	206.06	10.014		
10,600.00	7,131.81	10,426.47	7,070.25	105.82	105.84	88.29	578.59	-2,275.59	2,064.49	1,853.07	211.42	9.765		
10,700.00	7,132.05	10,526.46	7,070.26	108.50	108.54	88.29	578.55	-2,375.58	2,065.46	1,848.67	216.79	9.527		
10,800.00	7,132.29	10,626.46	7,070.27	111.19	111.25	88.28	578.52	-2,475.58	2,066.43	1,844.25	222.19	9.300		
10,900.00	7,132.53	10,726.45	7,070.28	113.88	113.96	88.28	578.49	-2,575.57	2,067.41	1,839.81	227.60	9.084		
11,000.00	7,132.77	10,826.45	7,070.29	116.58	116.68	88.27	578.45	-2,675.57	2,068.38	1,835.36	233.02	8.876		
11,100.00	7,133.01	10,926.44	7,070.30	119.29	119.41	88.26	578.42	-2,775.56	2,069.36	1,830.90	238.46	8.678		
11,200.00	7,133.25	11,026.44	7,070.30	122.01	122.15	88.26	578.39	-2,875.56	2,070.33	1,826.42	243.91	8.488		
11,300.00	7,133.49	11,126.43	7,070.31	124.73	124.88	88.25	578.35	-2,975.55	2,071.31	1,821.93	249.37	8.306		
11,400.00	7,133.73	11,226.43	7,070.32	127.46	127.63	88.25	578.32	-3,075.55	2,072.28	1,817.43	254.85	8.131		
11,500.00	7,133.97	11,326.42	7,070.33	130.19	130.38	88.24	578.28	-3,175.54	2,073.25	1,812.92	260.33	7.964		
11,600.00	7,134.21	11,426.42	7,070.34	132.93	133.13	88.24	578.25	-3,275.54	2,074.23	1,808.41	265.82	7.803		
11,700.00	7,134.45	11,526.41	7,070.35	135.68	135.89	88.23	578.22	-3,375.53	2,075.20	1,803.88	271.33	7.648		
11,800.00	7,134.69	11,626.41	7,070.36	138.43	138.65	88.23	578.18	-3,475.53	2,076.18	1,799.34	276.84	7.500		
11,900.00	7,134.93	11,726.40	7,070.37	141.18	141.42	88.22	578.15	-3,575.52	2,077.15	1,794.80	282.36	7.356		
12,000.00	7,135.17	11,826.40	7,070.38	143.94	144.19	88.21	578.12	-3,675.52	2,078.13	1,790.25	287.88	7.219		
12,100.00	7,135.41	11,926.39	7,070.38	146.70	146.96	88.21	578.08	-3,775.51	2,079.10	1,785.69	293.42	7.086		
12,200.00	7,135.65	12,026.39	7,070.39	149.46	149.74	88.20	578.05	-3,875.51	2,080.08	1,781.12	298.96	6.958		
12,300.00	7,135.89	12,126.38	7,070.40	152.23	152.52	88.20	578.01	-3,975.51	2,081.05	1,776.55	304.50	6.834		
12,400.00	7,136.13	12,226.38	7,070.41	155.00	155.30	88.19	577.98	-4,075.50	2,082.03	1,771.97	310.06	6.715		
12,500.00	7,136.37	12,326.37	7,070.42	157.78	158.09	88.19	577.95	-4,175.50	2,083.00	1,767.39	315.61	6.600		
12,600.00	7,136.61	12,426.37	7,070.43	160.55	160.88	88.18	577.91	-4,275.49	2,083.98	1,762.80	321.18	6.489		
12,700.00	7,136.85	12,526.36	7,070.44	163.33	163.67	88.18	577.88	-4,375.49	2,084.95	1,758.20	326.75	6.381		
12,800.00	7,137.09	12,626.36	7,070.45	166.12	166.46	88.17	577.85	-4,475.48	2,085.93	1,753.60	332.32	6.277		
12,900.00	7,137.33	12,726.35	7,070.46	168.90	169.26	88.16	577.81	-4,575.48	2,086.90	1,749.00	337.90	6.176		
13,000.00	7,137.57	12,826.35	7,070.46	171.69	172.05	88.16	577.78	-4,675.47	2,087.87	1,744.39	343.48	6.079		
13,100.00	7,137.81	12,926.34	7,070.47	174.48	174.85	88.15	577.75	-4,775.47	2,088.85	1,739.78	349.07	5.984		
13,200.00	7,138.05	13,026.34	7,070.48	177.27	177.65	88.15	577.71	-4,875.46	2,089.82	1,735.16	354.66	5.892		
13,300.00	7,138.29	13,126.33	7,070.49	180.07	180.46	88.14	577.68	-4,975.46	2,090.80	1,730.54	360.26	5.804		
13,400.00	7,138.53	13,226.33	7,070.50	182.86	183.26	88.14	577.64	-5,075.45	2,091.77	1,725.92	365.86	5.717		
13,500.00	7,138.77	13,326.32	7,070.51	185.66	186.07	88.13	577.61	-5,175.45	2,092.75	1,721.29	371.46	5.634		
13,600.00	7,139.01	13,426.32	7,070.52	188.46	188.88	88.13	577.58	-5,275.44	2,093.72	1,716.66	377.06	5.553		
13,700.00	7,139.25	13,526.31	7,070.53	191.26	191.69	88.12	577.54	-5,375.44	2,094.70	1,712.03	382.67	5.474		
13,800.00	7,139.49	13,626.31	7,070.54	194.06	194.50	88.12	577.51	-5,475.43	2,095.67	1,707.39	388.28	5.397		
13,900.00	7,139.73	13,726.30	7,070.54	196.87	197.31	88.11	577.48	-5,575.43	2,096.65	1,702.75	393.90	5.323		
14,000.00	7,139.97	13,826.30	7,070.55	199.68	200.12	88.10	577.44	-5,675.42	2,097.62	1,698.11	399.51	5.250		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	13,926.29	7,070.56	202.48	202.94	88.10	577.41	-5,775.42	2,098.60	1,693.46	405.13	5.180		
14,200.00	7,140.45	14,026.29	7,070.57	205.29	205.76	88.09	577.37	-5,875.41	2,099.57	1,688.82	410.76	5.111		
14,300.00	7,140.69	14,126.28	7,070.58	208.10	208.57	88.09	577.34	-5,975.41	2,100.55	1,684.17	416.38	5.045		
14,400.00	7,140.93	14,226.28	7,070.59	210.91	211.39	88.08	577.31	-6,075.40	2,101.52	1,679.52	422.01	4.980		
14,500.00	7,141.17	14,326.27	7,070.60	213.73	214.21	88.08	577.27	-6,175.40	2,102.50	1,674.86	427.64	4.917		
14,600.00	7,141.41	14,426.27	7,070.61	216.54	217.03	88.07	577.24	-6,275.39	2,103.47	1,670.20	433.27	4.855		
14,700.00	7,141.65	14,526.26	7,070.62	219.36	219.85	88.07	577.21	-6,375.39	2,104.45	1,665.55	438.90	4.795		
14,800.00	7,141.89	14,626.26	7,070.62	222.17	222.68	88.06	577.17	-6,475.38	2,105.42	1,660.89	444.54	4.736		
14,900.00	7,142.13	14,726.25	7,070.63	224.99	225.50	88.06	577.14	-6,575.38	2,106.40	1,656.22	450.18	4.679		
15,000.00	7,142.36	14,826.25	7,070.64	227.81	228.33	88.05	577.11	-6,675.37	2,107.37	1,651.56	455.82	4.623		
15,100.00	7,142.60	14,926.24	7,070.65	230.63	231.15	88.05	577.07	-6,775.37	2,108.35	1,646.89	461.46	4.569		
15,200.00	7,142.84	15,026.24	7,070.66	233.45	233.98	88.04	577.04	-6,875.36	2,109.32	1,642.23	467.10	4.516		
15,300.00	7,143.08	15,126.23	7,070.67	236.27	236.80	88.03	577.00	-6,975.36	2,110.30	1,637.56	472.74	4.464		
15,400.00	7,143.32	15,226.23	7,070.68	239.09	239.63	88.03	576.97	-7,075.35	2,111.28	1,632.89	478.39	4.413		
15,500.00	7,143.56	15,326.22	7,070.69	241.91	242.46	88.02	576.94	-7,175.35	2,112.25	1,628.21	484.04	4.364		
15,600.00	7,143.80	15,426.22	7,070.70	244.73	245.29	88.02	576.90	-7,275.34	2,113.23	1,623.54	489.69	4.315		
15,700.00	7,144.04	15,526.21	7,070.70	247.56	248.12	88.01	576.87	-7,375.34	2,114.20	1,618.86	495.34	4.268		
15,800.00	7,144.28	15,626.21	7,070.71	250.38	250.95	88.01	576.84	-7,475.33	2,115.18	1,614.19	500.99	4.222		
15,900.00	7,144.52	15,726.20	7,070.72	253.21	253.78	88.00	576.80	-7,575.33	2,116.15	1,609.51	506.64	4.177		
16,000.00	7,144.76	15,826.20	7,070.73	256.03	256.62	88.00	576.77	-7,675.32	2,117.13	1,604.83	512.30	4.133		
16,100.00	7,145.00	15,926.19	7,070.74	258.86	259.45	87.99	576.73	-7,775.32	2,118.10	1,600.15	517.95	4.089		
16,200.00	7,145.24	16,026.19	7,070.75	261.69	262.28	87.99	576.70	-7,875.31	2,119.08	1,595.47	523.61	4.047		
16,300.00	7,145.48	16,126.18	7,070.76	264.52	265.11	87.98	576.67	-7,975.31	2,120.05	1,590.79	529.27	4.006		
16,400.00	7,145.72	16,226.18	7,070.77	267.35	267.95	87.98	576.63	-8,075.30	2,121.03	1,586.10	534.93	3.965		
16,500.00	7,145.96	16,326.17	7,070.78	270.18	270.78	87.97	576.60	-8,175.30	2,122.00	1,581.42	540.59	3.925		
16,600.00	7,146.20	16,426.17	7,070.78	273.01	273.62	87.97	576.57	-8,275.29	2,122.98	1,576.73	546.25	3.886		
16,700.00	7,146.44	16,526.16	7,070.79	275.84	276.46	87.96	576.53	-8,375.29	2,123.96	1,572.04	551.91	3.848		
16,800.00	7,146.68	16,626.16	7,070.80	278.67	279.29	87.95	576.50	-8,475.28	2,124.93	1,567.36	557.57	3.811		
16,900.00	7,146.92	16,726.15	7,070.81	281.50	282.13	87.95	576.47	-8,575.28	2,125.91	1,562.67	563.24	3.774		
17,000.00	7,147.16	16,826.15	7,070.82	284.33	284.97	87.94	576.43	-8,675.27	2,126.88	1,557.98	568.90	3.739		
17,100.00	7,147.40	16,926.15	7,070.83	287.16	287.80	87.94	576.40	-8,775.27	2,127.86	1,553.29	574.57	3.703		
17,200.00	7,147.64	17,026.14	7,070.84	290.00	290.64	87.93	576.36	-8,875.26	2,128.83	1,548.60	580.24	3.669		
17,300.00	7,147.88	17,126.14	7,070.85	292.83	293.48	87.93	576.33	-8,975.26	2,129.81	1,543.90	585.90	3.635		
17,400.00	7,148.12	17,226.13	7,070.86	295.66	296.32	87.92	576.30	-9,075.25	2,130.78	1,539.21	591.57	3.602		
17,500.00	7,148.36	17,326.13	7,070.86	298.50	299.16	87.92	576.26	-9,175.25	2,131.76	1,534.52	597.24	3.569		
17,600.00	7,148.60	17,426.12	7,070.87	301.33	302.00	87.91	576.23	-9,275.24	2,132.74	1,529.82	602.91	3.537		
17,700.00	7,148.84	17,526.12	7,070.88	304.17	304.84	87.91	576.20	-9,375.24	2,133.71	1,525.13	608.58	3.506		
17,800.00	7,149.08	17,626.11	7,070.89	307.00	307.68	87.90	576.16	-9,475.23	2,134.69	1,520.43	614.26	3.475		
17,900.00	7,149.32	17,726.11	7,070.90	309.84	310.52	87.90	576.13	-9,575.23	2,135.66	1,515.73	619.93	3.445		
18,000.00	7,149.56	17,826.10	7,070.91	312.68	313.36	87.89	576.09	-9,675.22	2,136.64	1,511.04	625.60	3.415		
18,100.00	7,149.80	17,926.10	7,070.92	315.51	316.20	87.89	576.06	-9,775.22	2,137.61	1,506.34	631.27	3.386		
18,200.00	7,150.04	18,026.09	7,070.93	318.35	319.05	87.88	576.03	-9,875.21	2,138.59	1,501.64	636.95	3.358		
18,300.00	7,150.28	18,126.09	7,070.94	321.19	321.89	87.88	575.99	-9,975.21	2,139.57	1,496.94	642.62	3.329		
18,400.00	7,150.52	18,226.08	7,070.94	324.03	324.73	87.87	575.96	-10,075.20	2,140.54	1,492.24	648.30	3.302		
18,500.00	7,150.76	18,326.08	7,070.95	326.86	327.57	87.87	575.93	-10,175.20	2,141.52	1,487.54	653.98	3.275		
18,600.00	7,151.00	18,426.07	7,070.96	329.70	330.42	87.86	575.89	-10,275.19	2,142.49	1,482.84	659.65	3.248		
18,700.00	7,151.24	18,526.07	7,070.97	332.54	333.26	87.86	575.86	-10,375.19	2,143.47	1,478.14	665.33	3.222		
18,800.00	7,151.48	18,626.06	7,070.98	335.38	336.10	87.85	575.83	-10,475.18	2,144.44	1,473.44	671.01	3.196		
18,900.00	7,151.72	18,726.06	7,070.99	338.22	338.95	87.84	575.79	-10,575.18	2,145.42	1,468.73	676.69	3.170		
19,000.00	7,151.96	18,826.05	7,071.00	341.06	341.79	87.84	575.76	-10,675.17	2,146.40	1,464.03	682.36	3.146		
19,018.30	7,152.00	18,844.35	7,071.00	341.58	342.31	87.84	575.75	-10,693.47	2,146.57	1,463.17	683.40	3.141 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.42	75.04	0.56	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	0.42	75.04	0.56	75.05	68.48	6.57	11.423		
200.00	200.00	200.00	200.00	3.34	3.34	0.42	75.04	0.56	75.05	68.37	6.67	11.244	CC, ES	
300.00	299.98	299.98	299.98	3.44	3.44	-137.70	75.04	0.56	76.33	69.44	6.89	11.085		
400.00	399.84	401.17	401.15	3.59	3.60	-139.08	74.26	2.16	79.44	72.24	7.19	11.042		
500.00	499.45	502.44	502.27	3.80	3.80	-139.74	71.91	6.98	83.56	75.97	7.60	11.002		
600.00	598.70	603.77	603.20	4.04	4.04	-139.77	67.99	15.02	88.66	80.58	8.08	10.969		
700.00	697.47	705.13	703.78	4.32	4.32	-139.24	62.51	26.26	94.73	86.09	8.65	10.955		
800.00	795.62	806.49	803.86	4.65	4.63	-138.29	55.47	40.69	101.79	92.51	9.28	10.968		
900.00	893.06	907.83	903.28	5.01	4.98	-137.01	46.88	58.30	109.85	99.87	9.98	11.009		
1,000.00	989.64	1,007.90	1,000.90	5.42	5.36	-135.87	37.25	78.05	119.30	108.57	10.73	11.121		
1,044.50	1,032.32	1,052.12	1,044.03	5.61	5.54	-135.74	32.95	86.85	124.29	113.21	11.08	11.219		
1,100.00	1,085.43	1,107.23	1,097.77	5.86	5.76	-135.80	27.61	97.82	130.81	119.28	11.52	11.350		
1,200.00	1,181.11	1,206.54	1,194.62	6.33	6.18	-135.89	17.97	117.58	142.56	130.20	12.36	11.537		
1,300.00	1,276.80	1,305.85	1,291.46	6.81	6.62	-135.97	8.33	137.34	154.31	141.09	13.22	11.673		
1,400.00	1,372.49	1,405.15	1,388.30	7.31	7.06	-136.04	-1.31	157.10	166.07	151.96	14.11	11.771		
1,500.00	1,468.17	1,504.46	1,485.14	7.83	7.52	-136.10	-10.94	176.86	177.82	162.80	15.02	11.841		
1,600.00	1,563.86	1,603.77	1,581.99	8.35	7.98	-136.15	-20.58	196.62	189.57	173.63	15.94	11.891		
1,700.00	1,659.55	1,703.07	1,678.83	8.88	8.45	-136.20	-30.22	216.37	201.33	184.44	16.88	11.925		
1,800.00	1,755.23	1,802.38	1,775.67	9.42	8.93	-136.24	-39.86	236.13	213.08	195.24	17.83	11.947		
1,900.00	1,850.92	1,901.69	1,872.52	9.97	9.41	-136.28	-49.49	255.89	224.83	206.04	18.80	11.961		
2,000.00	1,946.61	2,000.99	1,969.36	10.52	9.90	-136.31	-59.13	275.65	236.59	216.82	19.77	11.968		
2,100.00	2,042.29	2,100.30	2,066.20	11.07	10.39	-136.34	-68.77	295.41	248.34	227.59	20.75	11.971		
2,200.00	2,137.98	2,200.39	2,163.04	11.63	10.89	-136.37	-78.41	315.17	260.09	238.36	21.73	11.967		
2,300.00	2,233.67	2,301.09	2,259.89	12.19	11.39	-136.40	-88.04	334.93	271.85	249.12	22.73	11.959		
2,400.00	2,329.35	2,401.78	2,356.73	12.76	11.89	-136.42	-97.68	354.69	283.60	259.87	23.73	11.949		
2,500.00	2,425.04	2,502.47	2,453.57	13.32	12.40	-136.44	-107.32	374.45	295.36	270.61	24.74	11.938		
2,600.00	2,520.72	2,603.17	2,550.42	13.89	12.91	-136.46	-116.95	394.21	307.11	281.36	25.75	11.926		
2,700.00	2,616.41	2,696.14	2,647.26	14.46	13.38	-136.48	-126.59	413.97	318.86	292.14	26.73	11.931		
2,800.00	2,712.10	2,804.55	2,744.10	15.03	13.93	-136.50	-136.23	433.73	330.62	302.84	27.78	11.901		
2,900.00	2,807.78	2,905.24	2,840.94	15.60	14.45	-136.51	-145.87	453.49	342.37	313.57	28.80	11.888		
3,000.00	2,903.47	3,005.94	2,937.79	16.18	14.96	-136.53	-155.50	473.25	354.13	324.30	29.82	11.874		
3,100.00	2,999.16	3,093.37	3,034.63	16.75	15.41	-136.54	-165.14	493.01	365.88	335.10	30.78	11.887		
3,200.00	3,094.84	3,207.32	3,131.47	17.33	16.00	-136.55	-174.78	512.77	377.63	345.76	31.87	11.848		
3,300.00	3,190.53	3,308.02	3,228.31	17.90	16.51	-136.56	-184.42	532.53	389.39	356.49	32.90	11.835		
3,400.00	3,286.22	3,408.71	3,325.16	18.48	17.03	-136.58	-194.05	552.28	401.14	367.21	33.93	11.823		
3,500.00	3,381.90	3,509.40	3,422.00	19.06	17.55	-136.59	-203.69	572.04	412.90	377.94	34.96	11.810		
3,600.00	3,477.59	3,589.90	3,518.84	19.64	17.97	-136.60	-213.33	591.80	424.65	388.76	35.89	11.831		
3,700.00	3,573.28	3,689.21	3,615.69	20.22	18.48	-136.61	-222.96	611.56	436.40	399.49	36.92	11.821		
3,800.00	3,668.96	3,788.52	3,712.53	20.80	19.00	-136.62	-232.60	631.32	448.16	410.21	37.95	11.810		
3,900.00	3,764.65	3,887.82	3,809.37	21.38	19.51	-136.62	-242.24	651.08	459.91	420.94	38.97	11.800		
4,000.00	3,860.33	3,987.13	3,906.21	21.96	20.03	-136.63	-251.88	670.84	471.67	431.66	40.00	11.790		
4,100.00	3,956.02	4,086.44	4,003.06	22.54	20.54	-136.64	-261.51	690.60	483.42	442.39	41.03	11.781		
4,200.00	4,051.71	4,185.74	4,099.90	23.13	21.06	-136.65	-271.15	710.36	495.18	453.11	42.07	11.771		
4,300.00	4,147.39	4,285.05	4,196.74	23.71	21.57	-136.65	-280.79	730.12	506.93	463.83	43.10	11.762		
4,400.00	4,243.08	4,384.36	4,293.59	24.29	22.09	-136.66	-290.43	749.88	518.68	474.55	44.13	11.753		
4,500.00	4,338.77	4,483.66	4,390.43	24.88	22.61	-136.67	-300.06	769.64	530.44	485.27	45.17	11.744		
4,600.00	4,434.45	4,582.97	4,487.27	25.46	23.12	-136.67	-309.70	789.40	542.19	495.99	46.20	11.736		
4,700.00	4,530.14	4,682.28	4,584.11	26.04	23.64	-136.68	-319.34	809.16	553.95	506.71	47.23	11.728		
4,800.00	4,625.83	4,781.58	4,680.96	26.63	24.16	-136.69	-328.98	828.92	565.70	517.43	48.27	11.720		
4,900.00	4,721.51	4,880.89	4,777.80	27.21	24.68	-136.69	-338.61	848.68	577.46	528.15	49.31	11.712		
5,000.00	4,817.20	4,980.20	4,874.64	27.80	25.20	-136.70	-348.25	868.44	589.21	538.87	50.34	11.704		

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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,079.50	4,971.48	28.38	25.71	-136.70	-357.89	888.19	600.96	549.59	51.38	11.697		
5,200.00	5,008.57	5,178.81	5,068.33	28.97	26.23	-136.71	-367.52	907.95	612.72	560.30	52.42	11.690		
5,300.00	5,104.26	5,278.12	5,165.17	29.55	26.75	-136.71	-377.16	927.71	624.47	571.02	53.45	11.683		
5,400.00	5,199.94	5,377.42	5,262.01	30.14	27.27	-136.71	-386.80	947.47	636.23	581.74	54.49	11.676		
5,500.00	5,295.63	5,476.73	5,358.86	30.72	27.79	-136.72	-396.44	967.23	647.98	592.45	55.53	11.669		
5,600.00	5,391.32	5,576.04	5,455.70	31.31	28.31	-136.72	-406.07	986.99	659.74	603.17	56.57	11.663		
5,700.00	5,487.00	5,675.34	5,552.54	31.90	28.83	-136.73	-415.71	1,006.75	671.49	613.88	57.61	11.656		
5,800.00	5,582.69	5,774.65	5,649.38	32.48	29.35	-136.73	-425.35	1,026.51	683.24	624.60	58.65	11.650		
5,900.00	5,678.38	5,873.96	5,746.23	33.07	29.87	-136.74	-434.99	1,046.27	695.00	635.31	59.69	11.644		
6,000.00	5,774.06	5,973.27	5,843.07	33.65	30.39	-136.74	-444.62	1,066.03	706.75	646.03	60.73	11.638		
6,100.00	5,869.75	6,072.57	5,939.91	34.24	30.91	-136.74	-454.26	1,085.79	718.51	656.74	61.77	11.633		
6,200.00	5,965.44	6,171.88	6,036.75	34.83	31.43	-136.75	-463.90	1,105.55	730.26	667.45	62.81	11.627		
6,300.00	6,061.12	6,271.19	6,133.60	35.41	31.95	-136.75	-473.53	1,125.31	742.02	678.17	63.85	11.622		
6,400.00	6,156.81	6,370.49	6,230.44	36.00	32.47	-136.75	-483.17	1,145.07	753.77	688.88	64.89	11.616		
6,500.00	6,252.50	6,469.80	6,327.28	36.59	32.99	-136.76	-492.81	1,164.83	765.52	699.60	65.93	11.611		
6,600.00	6,348.18	6,569.11	6,424.13	37.18	33.51	-136.76	-502.45	1,184.59	777.28	710.31	66.97	11.606		
6,636.04	6,382.67	6,604.90	6,459.03	37.39	33.70	-136.76	-505.92	1,191.71	781.52	714.17	67.35	11.604		
6,650.00	6,396.05	6,618.76	6,472.55	37.47	33.77	-140.18	-507.27	1,194.47	783.16	715.67	67.49	11.604		
6,700.00	6,444.38	6,668.58	6,521.41	37.74	34.02	-155.21	-512.12	1,202.81	789.15	721.15	67.99	11.606		
6,750.00	6,493.07	6,718.53	6,570.90	37.98	34.24	-174.29	-517.02	1,207.31	795.23	726.79	68.45	11.618		
6,800.00	6,541.82	6,768.58	6,620.70	38.18	34.43	-165.63	-521.94	1,207.89	801.38	732.53	68.85	11.639		
6,850.00	6,590.35	6,818.76	6,670.51	38.35	34.60	148.62	-526.84	1,204.53	807.56	738.33	69.23	11.665		
6,900.00	6,638.34	6,869.06	6,720.03	38.50	34.76	136.02	-531.70	1,197.22	813.72	744.13	69.60	11.692		
6,950.00	6,685.50	6,919.50	6,768.95	38.64	34.92	127.04	-536.48	1,185.96	819.84	749.87	69.97	11.717		
7,000.00	6,731.54	6,970.08	6,816.96	38.77	35.09	120.57	-541.16	1,170.81	825.86	755.51	70.35	11.739		
7,050.00	6,776.18	7,020.80	6,863.75	38.90	35.27	115.76	-545.70	1,151.82	831.77	761.01	70.76	11.755		
7,100.00	6,819.14	7,071.66	6,909.02	39.03	35.46	112.08	-550.07	1,129.07	837.51	766.32	71.19	11.764		
7,150.00	6,860.16	7,122.67	6,952.46	39.16	35.67	109.18	-554.25	1,102.69	843.05	771.39	71.66	11.765		
7,200.00	6,898.98	7,173.82	6,993.77	39.31	35.90	106.85	-558.20	1,072.81	848.37	776.20	72.17	11.756		
7,250.00	6,935.36	7,225.12	7,032.67	39.47	36.15	104.95	-561.91	1,039.60	853.41	780.69	72.72	11.735		
7,300.00	6,969.08	7,276.55	7,068.88	39.65	36.44	103.37	-565.33	1,003.25	858.16	784.83	73.33	11.702		
7,350.00	6,999.94	7,328.11	7,102.13	39.85	36.75	102.05	-568.45	963.99	862.59	788.58	74.01	11.655		
7,400.00	7,027.74	7,379.79	7,132.18	40.08	37.11	100.95	-571.24	922.05	866.66	791.90	74.75	11.594		
7,450.00	7,052.31	7,431.58	7,158.79	40.34	37.50	100.02	-573.69	877.70	870.35	794.78	75.57	11.517		
7,500.00	7,073.49	7,483.46	7,181.77	40.63	37.93	99.26	-575.77	831.25	873.63	797.16	76.47	11.425		
7,550.00	7,091.17	7,535.42	7,200.94	40.95	38.41	98.63	-577.46	783.00	876.50	799.05	77.45	11.318		
7,600.00	7,105.22	7,587.45	7,216.14	41.31	38.93	98.12	-578.76	733.28	878.91	800.42	78.50	11.197		
7,650.00	7,115.57	7,639.51	7,227.27	41.71	39.49	97.74	-579.65	682.44	880.88	801.25	79.62	11.063		
7,700.00	7,122.15	7,691.59	7,234.22	42.15	40.08	97.47	-580.12	630.84	882.37	801.56	80.81	10.919		
7,750.00	7,124.91	7,743.67	7,236.96	42.62	40.70	97.30	-580.18	578.85	883.38	801.34	82.05	10.767		
7,759.54	7,125.00	7,753.61	7,237.00	42.72	40.82	97.28	-580.14	568.91	883.52	801.24	82.28	10.737		
7,800.00	7,125.10	7,806.08	7,237.08	43.13	41.49	97.28	-579.99	528.60	884.08	800.58	83.50	10.588		
7,900.00	7,125.34	7,906.09	7,237.27	44.28	42.88	97.26	-579.60	428.61	885.45	799.14	86.31	10.259		
8,000.00	7,125.58	8,006.10	7,237.45	45.61	44.42	97.25	-579.20	328.62	886.83	797.43	89.40	9.920		
8,100.00	7,125.82	8,106.11	7,237.64	47.10	46.08	97.24	-578.81	228.63	888.20	795.47	92.73	9.578		
8,200.00	7,126.06	8,206.12	7,237.83	48.72	47.87	97.22	-578.42	128.64	889.58	793.29	96.28	9.239		
8,300.00	7,126.30	8,306.13	7,238.01	50.48	49.75	97.21	-578.03	28.65	890.95	790.92	100.03	8.907		
8,400.00	7,126.54	8,406.13	7,238.20	52.34	51.73	97.19	-577.64	-71.34	892.32	788.37	103.95	8.584		
8,500.00	7,126.78	8,506.14	7,238.39	54.30	53.80	97.18	-577.25	-171.33	893.70	785.67	108.03	8.273		
8,600.00	7,127.02	8,606.15	7,238.57	56.35	55.93	97.16	-576.86	-271.32	895.07	782.83	112.25	7.974		
8,700.00	7,127.26	8,706.16	7,238.76	58.47	58.13	97.15	-576.47	-371.31	896.45	779.86	116.59	7.689		
8,800.00	7,127.50	8,806.17	7,238.94	60.66	60.38	97.13	-576.08	-471.30	897.82	776.78	121.04	7.417		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,906.18	7,239.13	62.90	62.68	97.12	-575.69	-571.29	899.20	773.60	125.60	7.159		
9,000.00	7,127.98	9,006.19	7,239.32	65.19	65.03	97.10	-575.30	-671.27	900.57	770.34	130.24	6.915		
9,100.00	7,128.22	9,106.20	7,239.50	67.53	67.42	97.09	-574.91	-771.26	901.95	766.99	134.96	6.683		
9,200.00	7,128.46	9,206.21	7,239.69	69.92	69.85	97.08	-574.52	-871.25	903.32	763.57	139.75	6.464		
9,300.00	7,128.70	9,306.22	7,239.88	72.33	72.30	97.06	-574.13	-971.24	904.70	760.09	144.61	6.256		
9,400.00	7,128.94	9,406.23	7,240.06	74.78	74.79	97.05	-573.74	-1,071.23	906.07	756.55	149.52	6.060		
9,500.00	7,129.18	9,506.24	7,240.25	77.26	77.30	97.03	-573.35	-1,171.22	907.45	752.96	154.49	5.874		
9,600.00	7,129.42	9,606.25	7,240.44	79.76	79.84	97.02	-572.95	-1,271.21	908.82	749.32	159.50	5.698		
9,700.00	7,129.66	9,706.26	7,240.62	82.29	82.39	97.01	-572.56	-1,371.20	910.20	745.64	164.56	5.531		
9,800.00	7,129.90	9,793.73	7,240.81	84.84	84.65	96.99	-572.17	-1,471.19	911.57	742.24	169.34	5.383		
9,900.00	7,130.14	9,906.28	7,240.99	87.41	87.57	96.98	-571.78	-1,571.18	912.95	738.15	174.80	5.223		
10,000.00	7,130.38	10,006.29	7,241.18	90.00	90.18	96.96	-571.39	-1,671.17	914.32	734.36	179.96	5.081		
10,100.00	7,130.62	10,106.30	7,241.37	92.60	92.80	96.95	-571.00	-1,771.16	915.70	730.54	185.16	4.945		
10,200.00	7,130.86	10,206.31	7,241.55	95.22	95.44	96.94	-570.61	-1,871.15	917.08	726.69	190.39	4.817		
10,300.00	7,131.09	10,306.32	7,241.74	97.85	98.10	96.92	-570.22	-1,971.14	918.45	722.81	195.64	4.695		
10,400.00	7,131.33	10,406.33	7,241.93	100.50	100.76	96.91	-569.83	-2,071.13	919.83	718.91	200.91	4.578		
10,500.00	7,131.57	10,506.34	7,242.11	103.16	103.43	96.89	-569.44	-2,171.12	921.20	714.99	206.21	4.467		
10,600.00	7,131.81	10,606.35	7,242.30	105.82	106.12	96.88	-569.05	-2,271.10	922.58	711.05	211.53	4.361		
10,700.00	7,132.05	10,706.36	7,242.48	108.50	108.81	96.87	-568.66	-2,371.09	923.95	707.09	216.86	4.261		
10,800.00	7,132.29	10,806.37	7,242.67	111.19	111.51	96.85	-568.27	-2,471.08	925.33	703.11	222.22	4.164		
10,900.00	7,132.53	10,906.38	7,242.86	113.88	114.22	96.84	-567.88	-2,571.07	926.71	699.12	227.59	4.072		
11,000.00	7,132.77	11,006.39	7,243.04	116.58	116.94	96.83	-567.49	-2,671.06	928.08	695.11	232.97	3.984		
11,100.00	7,133.01	11,106.40	7,243.23	119.29	119.66	96.81	-567.10	-2,771.05	929.46	691.09	238.37	3.899		
11,200.00	7,133.25	11,206.41	7,243.42	122.01	122.39	96.80	-566.70	-2,871.04	930.83	687.05	243.79	3.818		
11,300.00	7,133.49	11,293.58	7,243.60	124.73	124.78	96.79	-566.31	-2,971.03	932.21	683.35	248.86	3.746		
11,400.00	7,133.73	11,406.43	7,243.79	127.46	127.87	96.77	-565.92	-3,071.02	933.59	678.94	254.65	3.666		
11,500.00	7,133.97	11,506.44	7,243.97	130.19	130.62	96.76	-565.53	-3,171.01	934.96	674.87	260.09	3.595		
11,600.00	7,134.21	11,606.45	7,244.16	132.93	133.37	96.75	-565.14	-3,271.00	936.34	670.79	265.55	3.526		
11,700.00	7,134.45	11,706.46	7,244.35	135.68	136.12	96.73	-564.75	-3,370.99	937.72	666.70	271.02	3.460		
11,800.00	7,134.69	11,793.54	7,244.53	138.43	138.53	96.72	-564.36	-3,470.98	939.09	662.95	276.14	3.401		
11,900.00	7,134.93	11,906.47	7,244.72	141.18	141.65	96.71	-563.97	-3,570.97	940.47	658.49	281.98	3.335		
12,000.00	7,135.17	12,006.48	7,244.91	143.94	144.41	96.69	-563.58	-3,670.96	941.84	654.37	287.47	3.276		
12,100.00	7,135.41	12,106.49	7,245.09	146.70	147.19	96.68	-563.19	-3,770.94	943.22	650.25	292.97	3.219		
12,200.00	7,135.65	12,206.50	7,245.28	149.46	149.96	96.67	-562.80	-3,870.93	944.60	646.12	298.48	3.165		
12,300.00	7,135.89	12,306.51	7,245.46	152.23	152.74	96.65	-562.41	-3,970.92	945.97	641.98	304.00	3.112		
12,400.00	7,136.13	12,406.52	7,245.65	155.00	155.52	96.64	-562.02	-4,070.91	947.35	637.83	309.52	3.061		
12,500.00	7,136.37	12,506.53	7,245.84	157.78	158.30	96.63	-561.63	-4,170.90	948.73	633.68	315.04	3.011		
12,600.00	7,136.61	12,606.54	7,246.02	160.55	161.09	96.62	-561.24	-4,270.89	950.10	629.53	320.58	2.964		
12,700.00	7,136.85	12,706.55	7,246.21	163.33	163.88	96.60	-560.84	-4,370.88	951.48	625.36	326.12	2.918		
12,800.00	7,137.09	12,793.44	7,246.40	166.12	166.31	96.59	-560.45	-4,470.87	952.86	621.56	331.30	2.876		
12,900.00	7,137.33	12,906.57	7,246.58	168.90	169.47	96.58	-560.06	-4,570.86	954.23	617.03	337.21	2.830		
13,000.00	7,137.57	13,006.58	7,246.77	171.69	172.26	96.56	-559.67	-4,670.85	955.61	612.85	342.76	2.788		
13,100.00	7,137.81	13,106.59	7,246.95	174.48	175.06	96.55	-559.28	-4,770.84	956.99	608.67	348.32	2.747		
13,200.00	7,138.05	13,206.60	7,247.14	177.27	177.86	96.54	-558.89	-4,870.83	958.37	604.48	353.88	2.708		
13,300.00	7,138.29	13,306.61	7,247.33	180.07	180.66	96.53	-558.50	-4,970.82	959.74	600.29	359.45	2.670		
13,400.00	7,138.53	13,406.62	7,247.51	182.86	183.47	96.51	-558.11	-5,070.81	961.12	596.10	365.02	2.633		
13,500.00	7,138.77	13,506.63	7,247.70	185.66	186.27	96.50	-557.72	-5,170.80	962.50	591.90	370.60	2.597		
13,600.00	7,139.01	13,606.64	7,247.89	188.46	189.08	96.49	-557.33	-5,270.79	963.87	587.70	376.18	2.562		
13,700.00	7,139.25	13,706.65	7,248.07	191.26	191.89	96.48	-556.94	-5,370.77	965.25	583.49	381.76	2.528		
13,800.00	7,139.49	13,806.66	7,248.26	194.06	194.70	96.46	-556.55	-5,470.76	966.63	579.29	387.34	2.496		
13,900.00	7,139.73	13,906.67	7,248.44	196.87	197.51	96.45	-556.16	-5,570.75	968.01	575.07	392.93	2.464		
14,000.00	7,139.97	14,006.68	7,248.63	199.68	200.33	96.44	-555.77	-5,670.74	969.38	570.86	398.52	2.432		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	14,106.69	7,248.82	202.48	203.14	96.43	-555.38	-5,770.73	970.76	566.64	404.12	2.402		
14,200.00	7,140.45	14,206.70	7,249.00	205.29	205.96	96.41	-554.99	-5,870.72	972.14	562.42	409.72	2.373		
14,300.00	7,140.69	14,306.71	7,249.19	208.10	208.78	96.40	-554.59	-5,970.71	973.52	558.20	415.32	2.344		
14,400.00	7,140.93	14,406.72	7,249.38	210.91	211.60	96.39	-554.20	-6,070.70	974.89	553.97	420.92	2.316		
14,500.00	7,141.17	14,506.73	7,249.56	213.73	214.42	96.38	-553.81	-6,170.69	976.27	549.75	426.53	2.289		
14,600.00	7,141.41	14,606.74	7,249.75	216.54	217.24	96.37	-553.42	-6,270.68	977.65	545.52	432.13	2.262		
14,700.00	7,141.65	14,706.75	7,249.94	219.36	220.06	96.35	-553.03	-6,370.67	979.03	541.28	437.74	2.237		
14,800.00	7,141.89	14,806.76	7,250.12	222.17	222.88	96.34	-552.64	-6,470.66	980.40	537.05	443.36	2.211		
14,900.00	7,142.13	14,906.77	7,250.31	224.99	225.71	96.33	-552.25	-6,570.65	981.78	532.81	448.97	2.187		
15,000.00	7,142.36	15,006.78	7,250.49	227.81	228.53	96.32	-551.86	-6,670.64	983.16	528.57	454.59	2.163		
15,100.00	7,142.60	15,106.79	7,250.68	230.63	231.36	96.30	-551.47	-6,770.63	984.54	524.33	460.21	2.139		
15,200.00	7,142.84	15,206.79	7,250.87	233.45	234.18	96.29	-551.08	-6,870.61	985.92	520.09	465.83	2.116		
15,300.00	7,143.08	15,306.80	7,251.05	236.27	237.01	96.28	-550.69	-6,970.60	987.29	515.84	471.45	2.094		
15,400.00	7,143.32	15,406.81	7,251.24	239.09	239.84	96.27	-550.30	-7,070.59	988.67	511.59	477.08	2.072		
15,500.00	7,143.56	15,506.82	7,251.43	241.91	242.67	96.26	-549.91	-7,170.58	990.05	507.34	482.71	2.051		
15,600.00	7,143.80	15,606.83	7,251.61	244.73	245.50	96.25	-549.52	-7,270.57	991.43	503.09	488.33	2.030		
15,700.00	7,144.04	15,706.84	7,251.80	247.56	248.33	96.23	-549.13	-7,370.56	992.81	498.84	493.96	2.010		
15,800.00	7,144.28	15,806.85	7,251.98	250.38	251.16	96.22	-548.74	-7,470.55	994.18	494.59	499.60	1.990		
15,900.00	7,144.52	15,906.86	7,252.17	253.21	253.99	96.21	-548.34	-7,570.54	995.56	490.33	505.23	1.971		
16,000.00	7,144.76	16,006.87	7,252.36	256.03	256.82	96.20	-547.95	-7,670.53	996.94	486.08	510.87	1.951		
16,100.00	7,145.00	16,106.88	7,252.54	258.86	259.66	96.19	-547.56	-7,770.52	998.32	481.82	516.50	1.933		
16,200.00	7,145.24	16,206.89	7,252.73	261.69	262.49	96.17	-547.17	-7,870.51	999.70	477.56	522.14	1.915		
16,300.00	7,145.48	16,293.10	7,252.92	264.52	264.93	96.16	-546.78	-7,970.50	1,001.08	473.69	527.39	1.898		
16,400.00	7,145.72	16,406.91	7,253.10	267.35	268.16	96.15	-546.39	-8,070.49	1,002.45	469.03	533.42	1.879		
16,500.00	7,145.96	16,506.92	7,253.29	270.18	271.00	96.14	-546.00	-8,170.48	1,003.83	464.77	539.06	1.862		
16,600.00	7,146.20	16,606.93	7,253.47	273.01	273.83	96.13	-545.61	-8,270.47	1,005.21	460.51	544.71	1.845		
16,700.00	7,146.44	16,706.94	7,253.66	275.84	276.67	96.12	-545.22	-8,370.46	1,006.59	456.24	550.35	1.829		
16,800.00	7,146.68	16,806.95	7,253.85	278.67	279.51	96.11	-544.83	-8,470.44	1,007.97	451.97	556.00	1.813		
16,900.00	7,146.92	16,906.96	7,254.03	281.50	282.34	96.09	-544.44	-8,570.43	1,009.35	447.70	561.64	1.797		
17,000.00	7,147.16	17,006.97	7,254.22	284.33	285.18	96.08	-544.05	-8,670.42	1,010.73	443.43	567.29	1.782		
17,100.00	7,147.40	17,106.98	7,254.41	287.16	288.02	96.07	-543.66	-8,770.41	1,012.11	439.16	572.94	1.767		
17,200.00	7,147.64	17,206.99	7,254.59	290.00	290.86	96.06	-543.27	-8,870.40	1,013.48	434.89	578.59	1.752		
17,300.00	7,147.88	17,307.00	7,254.78	292.83	293.70	96.05	-542.88	-8,970.39	1,014.86	430.62	584.25	1.737		
17,400.00	7,148.12	17,407.01	7,254.96	295.66	296.54	96.04	-542.48	-9,070.38	1,016.24	426.34	589.90	1.723		
17,500.00	7,148.36	17,507.02	7,255.15	298.50	299.38	96.03	-542.09	-9,170.37	1,017.62	422.07	595.55	1.709		
17,600.00	7,148.60	17,607.03	7,255.34	301.33	302.22	96.02	-541.70	-9,270.36	1,019.00	417.79	601.21	1.695		
17,700.00	7,148.84	17,707.04	7,255.52	304.17	305.06	96.00	-541.31	-9,370.35	1,020.38	413.52	606.86	1.681		
17,800.00	7,149.08	17,792.95	7,255.71	307.00	307.50	95.99	-540.92	-9,470.34	1,021.76	409.64	612.12	1.669		
17,900.00	7,149.32	17,907.06	7,255.90	309.84	310.74	95.98	-540.53	-9,570.33	1,023.14	404.96	618.18	1.655		
18,000.00	7,149.56	18,007.07	7,256.08	312.68	313.59	95.97	-540.14	-9,670.32	1,024.52	400.68	623.84	1.642		
18,100.00	7,149.80	18,107.08	7,256.27	315.51	316.43	95.96	-539.75	-9,770.31	1,025.89	396.40	629.50	1.630		
18,200.00	7,150.04	18,207.09	7,256.45	318.35	319.27	95.95	-539.36	-9,870.30	1,027.27	392.12	635.16	1.617		
18,300.00	7,150.28	18,307.10	7,256.64	321.19	322.12	95.94	-538.97	-9,970.29	1,028.65	387.84	640.82	1.605		
18,400.00	7,150.52	18,407.11	7,256.83	324.03	324.96	95.93	-538.58	-10,070.27	1,030.03	383.55	646.48	1.593		
18,500.00	7,150.76	18,507.12	7,257.01	326.86	327.80	95.92	-538.19	-10,170.26	1,031.41	379.27	652.14	1.582		
18,600.00	7,151.00	18,607.13	7,257.20	329.70	330.65	95.90	-537.80	-10,270.25	1,032.79	374.98	657.81	1.570		
18,700.00	7,151.24	18,707.13	7,257.39	332.54	333.49	95.89	-537.41	-10,370.24	1,034.17	370.70	663.47	1.559		
18,800.00	7,151.48	18,807.14	7,257.57	335.38	336.34	95.88	-537.02	-10,470.23	1,035.55	366.41	669.14	1.548		
18,900.00	7,151.72	18,907.15	7,257.76	338.22	339.18	95.87	-536.63	-10,570.22	1,036.93	362.13	674.80	1.537		
19,000.00	7,151.96	18,992.84	7,257.95	341.06	341.62	95.86	-536.23	-10,670.21	1,038.31	358.25	680.06	1.527		
19,018.30	7,152.00	19,011.13	7,257.98	341.58	342.14	95.86	-536.16	-10,688.51	1,038.56	357.46	681.10	1.525 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	89.98	0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	89.98	0.83	89.99	83.42	6.57	13.698		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	89.98	0.83	89.99	83.31	6.67	13.483 CC, ES		
300.00	299.98	300.51	300.49	3.44	3.44	-136.37	89.68	2.57	90.97	84.09	6.88	13.216		
400.00	399.84	400.94	400.77	3.59	3.60	-135.36	88.76	7.77	93.94	86.75	7.19	13.064		
500.00	499.45	501.22	500.66	3.80	3.81	-133.81	87.24	16.42	98.94	91.34	7.59	13.029		
600.00	598.70	601.27	599.96	4.04	4.05	-131.88	85.11	28.47	106.02	97.94	8.08	13.118		
700.00	697.47	701.03	698.48	4.32	4.34	-129.74	82.39	43.87	115.25	106.60	8.65	13.323		
800.00	795.62	800.42	796.04	4.65	4.66	-127.55	79.10	62.57	126.67	117.38	9.29	13.629		
900.00	893.06	900.55	892.87	5.01	5.02	-126.06	75.50	82.96	140.27	130.27	10.01	14.017		
1,000.00	989.64	1,001.79	989.45	5.42	5.41	-125.82	71.92	103.30	155.94	145.16	10.78	14.462		
1,044.50	1,032.32	1,042.04	1,032.31	5.61	5.58	-126.02	70.32	112.33	163.56	152.44	11.13	14.702		
1,100.00	1,085.43	1,103.34	1,085.72	5.86	5.83	-126.51	68.34	123.57	173.33	161.72	11.61	14.934		
1,200.00	1,181.11	1,204.94	1,181.95	6.33	6.26	-127.26	64.77	143.84	190.95	178.49	12.46	15.321		
1,300.00	1,276.80	1,306.53	1,278.18	6.81	6.70	-127.89	61.19	164.10	208.60	195.25	13.35	15.626		
1,400.00	1,372.49	1,408.12	1,374.42	7.31	7.15	-128.41	57.62	184.37	226.27	212.01	14.26	15.868		
1,500.00	1,468.17	1,509.72	1,470.65	7.83	7.62	-128.86	54.05	204.63	243.95	228.76	15.19	16.061		
1,600.00	1,563.86	1,588.69	1,566.88	8.35	7.98	-129.25	50.48	224.90	261.65	245.62	16.03	16.323		
1,700.00	1,659.55	1,687.10	1,663.11	8.88	8.44	-129.59	46.90	245.16	279.36	262.38	16.97	16.460		
1,800.00	1,755.23	1,785.51	1,759.34	9.42	8.91	-129.89	43.33	265.43	297.07	279.15	17.93	16.573		
1,900.00	1,850.92	1,883.91	1,855.57	9.97	9.38	-130.16	39.76	285.69	314.80	295.91	18.89	16.667		
2,000.00	1,946.61	1,982.32	1,951.80	10.52	9.85	-130.40	36.18	305.96	332.52	312.67	19.86	16.745		
2,100.00	2,042.29	2,080.73	2,048.04	11.07	10.33	-130.61	32.61	326.22	350.26	329.42	20.84	16.810		
2,200.00	2,137.98	2,179.13	2,144.27	11.63	10.81	-130.80	29.04	346.49	368.00	346.18	21.82	16.866		
2,300.00	2,233.67	2,277.54	2,240.50	12.19	11.29	-130.98	25.46	366.75	385.74	362.93	22.81	16.913		
2,400.00	2,329.35	2,375.95	2,336.73	12.76	11.77	-131.14	21.89	387.02	403.48	379.68	23.80	16.953		
2,500.00	2,425.04	2,474.35	2,432.96	13.32	12.26	-131.28	18.32	407.28	421.23	396.43	24.80	16.987		
2,600.00	2,520.72	2,572.76	2,529.19	13.89	12.75	-131.42	14.74	427.55	438.98	413.18	25.80	17.016		
2,700.00	2,616.41	2,671.17	2,625.43	14.46	13.24	-131.54	11.17	447.81	456.73	429.93	26.80	17.041		
2,800.00	2,712.10	2,769.58	2,721.66	15.03	13.73	-131.66	7.60	468.08	474.49	446.68	27.81	17.063		
2,900.00	2,807.78	2,867.98	2,817.89	15.60	14.22	-131.76	4.02	488.34	492.24	463.43	28.82	17.082		
3,000.00	2,903.47	2,966.39	2,914.12	16.18	14.71	-131.86	0.45	508.61	510.00	480.18	29.83	17.099		
3,100.00	2,999.16	3,064.80	3,010.35	16.75	15.21	-131.95	-3.12	528.87	527.76	496.92	30.84	17.113		
3,200.00	3,094.84	3,163.20	3,106.58	17.33	15.70	-132.04	-6.70	549.14	545.52	513.67	31.85	17.125		
3,300.00	3,190.53	3,261.61	3,202.81	17.90	16.20	-132.12	-10.27	569.40	563.28	530.41	32.87	17.136		
3,400.00	3,286.22	3,360.02	3,299.05	18.48	16.69	-132.20	-13.84	589.67	581.05	547.16	33.89	17.146		
3,500.00	3,381.90	3,458.42	3,395.28	19.06	17.19	-132.27	-17.42	609.93	598.81	563.90	34.91	17.154		
3,600.00	3,477.59	3,556.83	3,491.51	19.64	17.69	-132.34	-20.99	630.20	616.57	580.64	35.93	17.161		
3,700.00	3,573.28	3,655.24	3,587.74	20.22	18.18	-132.40	-24.56	650.46	634.34	597.39	36.95	17.167		
3,800.00	3,668.96	3,753.65	3,683.97	20.80	18.68	-132.46	-28.14	670.73	652.10	614.13	37.97	17.173		
3,900.00	3,764.65	3,852.05	3,780.20	21.38	19.18	-132.52	-31.71	690.99	669.87	630.87	39.00	17.178		
4,000.00	3,860.33	3,950.46	3,876.44	21.96	19.68	-132.57	-35.28	711.26	687.64	647.62	40.02	17.182		
4,100.00	3,956.02	4,048.87	3,972.67	22.54	20.18	-132.62	-38.86	731.52	705.40	664.36	41.05	17.186		
4,200.00	4,051.71	4,147.27	4,068.90	23.13	20.68	-132.67	-42.43	751.79	723.17	681.10	42.07	17.189		
4,300.00	4,147.39	4,245.68	4,165.13	23.71	21.18	-132.72	-46.00	772.05	740.94	697.84	43.10	17.192		
4,400.00	4,243.08	4,344.09	4,261.36	24.29	21.68	-132.76	-49.58	792.32	758.71	714.58	44.13	17.194		
4,500.00	4,338.77	4,442.49	4,357.59	24.88	22.18	-132.80	-53.15	812.58	776.48	731.32	45.15	17.196		
4,600.00	4,434.45	4,540.90	4,453.82	25.46	22.68	-132.84	-56.72	832.85	794.25	748.07	46.18	17.198		
4,700.00	4,530.14	4,639.31	4,550.06	26.04	23.19	-132.88	-60.30	853.11	812.02	764.81	47.21	17.199		
4,800.00	4,625.83	4,737.72	4,646.29	26.63	23.69	-132.92	-63.87	873.38	829.79	781.55	48.24	17.200		
4,900.00	4,721.51	4,836.12	4,742.52	27.21	24.19	-132.96	-67.44	893.64	847.56	798.29	49.27	17.202		
5,000.00	4,817.20	4,934.53	4,838.75	27.80	24.69	-132.99	-71.02	913.91	865.33	815.03	50.30	17.202		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,032.94	4,934.98	28.38	25.19	-133.02	-74.59	934.17	883.10	831.77	51.33	17.203		
5,200.00	5,008.57	5,131.34	5,031.21	28.97	25.70	-133.05	-78.16	954.44	900.87	848.51	52.37	17.204		
5,300.00	5,104.26	5,229.75	5,127.45	29.55	26.20	-133.08	-81.74	974.70	918.65	865.25	53.40	17.204		
5,400.00	5,199.94	5,328.16	5,223.68	30.14	26.70	-133.11	-85.31	994.97	936.42	881.99	54.43	17.204		
5,500.00	5,295.63	5,426.56	5,319.91	30.72	27.21	-133.14	-88.88	1,015.23	954.19	898.73	55.46	17.204		
5,600.00	5,391.32	5,524.97	5,416.14	31.31	27.71	-133.17	-92.46	1,035.50	971.96	915.47	56.50	17.204		
5,700.00	5,487.00	5,623.38	5,512.37	31.90	28.21	-133.19	-96.03	1,055.76	989.74	932.21	57.53	17.204		
5,800.00	5,582.69	5,721.79	5,608.60	32.48	28.72	-133.22	-99.60	1,076.03	1,007.51	948.95	58.56	17.204		
5,900.00	5,678.38	5,820.19	5,704.83	33.07	29.22	-133.24	-103.17	1,096.29	1,025.28	965.69	59.60	17.204		
6,000.00	5,774.06	5,918.60	5,801.07	33.65	29.72	-133.26	-106.75	1,116.56	1,043.06	982.43	60.63	17.204		
6,100.00	5,869.75	6,017.01	5,897.30	34.24	30.23	-133.29	-110.32	1,136.82	1,060.83	999.16	61.66	17.203		
6,200.00	5,965.44	6,115.41	5,993.53	34.83	30.73	-133.31	-113.89	1,157.09	1,078.60	1,015.90	62.70	17.203		
6,300.00	6,061.12	6,213.82	6,089.76	35.41	31.24	-133.33	-117.47	1,177.35	1,096.38	1,032.64	63.73	17.203		
6,400.00	6,156.81	6,313.69	6,187.46	36.00	31.75	-133.36	-121.10	1,197.75	1,114.14	1,049.36	64.78	17.200		
6,500.00	6,252.50	6,421.50	6,294.53	36.59	32.21	-133.38	-125.12	1,208.44	1,131.37	1,065.61	65.75	17.206		
6,600.00	6,348.18	6,522.88	6,395.52	37.18	32.56	-133.36	-128.97	1,201.87	1,148.22	1,081.72	66.50	17.267		
6,636.04	6,382.67	6,557.02	6,429.13	37.39	32.68	-136.00	-130.26	1,196.06	1,154.39	1,087.66	66.73	17.300		
6,650.00	6,396.05	6,569.91	6,441.73	37.47	32.72	-139.75	-130.75	1,193.39	1,156.83	1,090.01	66.82	17.314		
6,700.00	6,444.38	6,615.28	6,485.60	37.74	32.88	-156.04	-132.45	1,181.99	1,165.83	1,098.73	67.10	17.374		
6,750.00	6,493.07	6,659.53	6,527.50	37.98	33.05	-176.36	-134.09	1,167.90	1,175.22	1,107.85	67.36	17.446		
6,800.00	6,541.82	6,702.76	6,567.40	38.18	33.22	-162.36	-135.67	1,151.34	1,184.90	1,117.30	67.60	17.527		
6,850.00	6,590.35	6,745.11	6,605.30	38.35	33.40	-144.17	-137.17	1,132.53	1,194.79	1,126.95	67.83	17.613		
6,900.00	6,638.34	6,786.66	6,641.20	38.50	33.60	-130.44	-138.61	1,111.67	1,204.79	1,136.73	68.07	17.700		
6,950.00	6,685.50	6,827.52	6,675.09	38.64	33.80	-120.38	-139.98	1,088.91	1,214.83	1,146.52	68.30	17.785		
7,000.00	6,731.54	6,867.75	6,706.98	38.77	34.01	-112.87	-141.27	1,064.42	1,224.79	1,156.24	68.56	17.866		
7,050.00	6,776.18	6,907.44	6,736.86	38.90	34.24	-107.08	-142.50	1,038.33	1,234.61	1,165.79	68.83	17.938		
7,100.00	6,819.14	6,946.65	6,764.72	39.03	34.49	-102.48	-143.66	1,010.78	1,244.20	1,175.07	69.12	17.999		
7,150.00	6,860.16	6,985.43	6,790.56	39.16	34.75	-98.73	-144.74	981.89	1,253.47	1,184.01	69.46	18.046		
7,200.00	6,898.98	7,023.83	6,814.37	39.31	35.04	-95.61	-145.76	951.79	1,262.34	1,192.51	69.83	18.076		
7,250.00	6,935.36	7,061.91	6,836.15	39.47	35.34	-92.97	-146.69	920.57	1,270.76	1,200.50	70.26	18.088		
7,300.00	6,969.08	7,100.00	6,856.03	39.65	35.66	-90.74	-147.57	888.09	1,278.64	1,207.91	70.74	18.076		
7,350.00	6,999.94	7,137.24	6,873.55	39.85	36.00	-88.83	-148.35	855.25	1,285.94	1,214.65	71.28	18.040		
7,400.00	7,027.74	7,174.57	6,889.16	40.08	36.36	-87.21	-149.07	821.36	1,292.58	1,220.68	71.90	17.977		
7,450.00	7,052.31	7,211.71	6,902.69	40.34	36.74	-85.84	-149.71	786.78	1,298.53	1,225.94	72.60	17.887		
7,500.00	7,073.49	7,250.00	6,914.51	40.63	37.15	-84.70	-150.29	750.37	1,303.74	1,230.36	73.38	17.767		
7,550.00	7,091.17	7,285.55	6,923.51	40.95	37.56	-83.77	-150.75	715.99	1,308.18	1,233.94	74.23	17.623		
7,600.00	7,105.22	7,322.30	6,930.78	41.31	38.00	-83.04	-151.16	679.97	1,311.80	1,236.63	75.17	17.451		
7,650.00	7,115.57	7,358.96	6,935.95	41.71	38.45	-82.49	-151.49	643.68	1,314.58	1,238.40	76.18	17.256		
7,700.00	7,122.15	7,395.56	6,939.03	42.15	38.91	-82.13	-151.74	607.22	1,316.50	1,239.24	77.26	17.039		
7,750.00	7,124.91	7,433.23	6,940.01	42.62	39.40	-81.94	-151.91	569.57	1,317.56	1,239.15	78.41	16.803		
7,759.54	7,125.00	7,442.77	6,940.04	42.72	39.53	-81.93	-151.95	560.03	1,317.64	1,238.98	78.66	16.752		
7,800.00	7,125.10	7,483.22	6,940.14	43.13	40.08	-81.93	-152.10	519.57	1,317.89	1,238.17	79.72	16.532		
7,900.00	7,125.34	7,583.22	6,940.41	44.28	41.55	-81.94	-152.48	419.58	1,318.51	1,235.95	82.56	15.971		
8,000.00	7,125.58	7,683.22	6,940.68	45.61	43.16	-81.94	-152.85	319.58	1,319.12	1,233.45	85.67	15.397		
8,100.00	7,125.82	7,783.22	6,940.94	47.10	44.90	-81.95	-153.23	219.58	1,319.74	1,230.69	89.04	14.821		
8,200.00	7,126.06	7,883.22	6,941.21	48.72	46.74	-81.95	-153.60	119.59	1,320.35	1,227.72	92.64	14.253		
8,300.00	7,126.30	7,983.21	6,941.47	50.48	48.69	-81.96	-153.98	19.59	1,320.97	1,224.54	96.43	13.698		
8,400.00	7,126.54	8,083.21	6,941.74	52.34	50.72	-81.96	-154.35	-80.41	1,321.59	1,221.18	100.40	13.163		
8,500.00	7,126.78	8,183.21	6,942.01	54.30	52.83	-81.97	-154.73	-180.41	1,322.20	1,217.67	104.53	12.649		
8,600.00	7,127.02	8,283.21	6,942.27	56.35	55.00	-81.97	-155.10	-280.40	1,322.82	1,214.02	108.80	12.158		
8,700.00	7,127.26	8,383.21	6,942.54	58.47	57.24	-81.98	-155.48	-380.40	1,323.44	1,210.25	113.19	11.692		
8,800.00	7,127.50	8,483.20	6,942.81	60.66	59.53	-81.98	-155.85	-480.40	1,324.05	1,206.36	117.69	11.250		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,583.20	6,943.07	62.90	61.87	81.99	-156.23	-580.39	1,324.67	1,202.38	122.29	10.833		
9,000.00	7,127.98	8,683.20	6,943.34	65.19	64.25	81.99	-156.60	-680.39	1,325.29	1,198.32	126.97	10.438		
9,100.00	7,128.22	8,783.20	6,943.60	67.53	66.67	82.00	-156.98	-780.39	1,325.90	1,194.17	131.73	10.065		
9,200.00	7,128.46	8,883.20	6,943.87	69.92	69.12	82.00	-157.36	-880.38	1,326.52	1,189.96	136.56	9.714		
9,300.00	7,128.70	8,983.20	6,944.14	72.33	71.60	82.01	-157.73	-980.38	1,327.14	1,185.68	141.46	9.382		
9,400.00	7,128.94	9,083.19	6,944.40	74.78	74.11	82.01	-158.11	-1,080.38	1,327.75	1,181.35	146.41	9.069		
9,500.00	7,129.18	9,183.19	6,944.67	77.26	76.65	82.02	-158.48	-1,180.38	1,328.37	1,176.96	151.41	8.774		
9,600.00	7,129.42	9,283.19	6,944.93	79.76	79.20	82.02	-158.86	-1,280.37	1,328.99	1,172.53	156.45	8.495		
9,700.00	7,129.66	9,383.19	6,945.20	82.29	81.78	82.03	-159.23	-1,380.37	1,329.60	1,168.06	161.54	8.231		
9,800.00	7,129.90	9,483.19	6,945.47	84.84	84.37	82.03	-159.61	-1,480.37	1,330.22	1,163.55	166.67	7.981		
9,900.00	7,130.14	9,583.18	6,945.73	87.41	86.99	82.04	-159.98	-1,580.36	1,330.84	1,159.01	171.82	7.745		
10,000.00	7,130.38	9,683.18	6,946.00	90.00	89.61	82.04	-160.36	-1,680.36	1,331.45	1,154.44	177.02	7.522		
10,100.00	7,130.62	9,783.18	6,946.26	92.60	92.25	82.05	-160.73	-1,780.36	1,332.07	1,149.83	182.24	7.310		
10,200.00	7,130.86	9,883.18	6,946.53	95.22	94.91	82.05	-161.11	-1,880.35	1,332.69	1,145.20	187.48	7.108		
10,300.00	7,131.09	9,983.18	6,946.80	97.85	97.57	82.06	-161.48	-1,980.35	1,333.30	1,140.55	192.75	6.917		
10,400.00	7,131.33	10,083.17	6,947.06	100.50	100.24	82.06	-161.86	-2,080.35	1,333.92	1,135.87	198.04	6.735		
10,500.00	7,131.57	10,183.17	6,947.33	103.16	102.93	82.07	-162.23	-2,180.34	1,334.53	1,131.18	203.36	6.562		
10,600.00	7,131.81	10,283.17	6,947.59	105.82	105.62	82.07	-162.61	-2,280.34	1,335.15	1,126.46	208.69	6.398		
10,700.00	7,132.05	10,383.17	6,947.86	108.50	108.33	82.07	-162.98	-2,380.34	1,335.77	1,121.73	214.04	6.241		
10,800.00	7,132.29	10,483.17	6,948.13	111.19	111.04	82.08	-163.36	-2,480.34	1,336.38	1,116.98	219.41	6.091		
10,900.00	7,132.53	10,583.16	6,948.39	113.88	113.76	82.08	-163.74	-2,580.33	1,337.00	1,112.21	224.79	5.948		
11,000.00	7,132.77	10,683.16	6,948.66	116.58	116.48	82.09	-164.11	-2,680.33	1,337.62	1,107.44	230.18	5.811		
11,100.00	7,133.01	10,783.16	6,948.92	119.29	119.21	82.09	-164.49	-2,780.33	1,338.23	1,102.64	235.59	5.680		
11,200.00	7,133.25	10,883.16	6,949.19	122.01	121.95	82.10	-164.86	-2,880.32	1,338.85	1,097.84	241.01	5.555		
11,300.00	7,133.49	10,983.16	6,949.46	124.73	124.69	82.10	-165.24	-2,980.32	1,339.47	1,093.03	246.44	5.435		
11,400.00	7,133.73	11,083.15	6,949.72	127.46	127.44	82.11	-165.61	-3,080.32	1,340.08	1,088.20	251.89	5.320		
11,500.00	7,133.97	11,183.15	6,949.99	130.19	130.19	82.11	-165.99	-3,180.31	1,340.70	1,083.36	257.34	5.210		
11,600.00	7,134.21	11,283.15	6,950.25	132.93	132.95	82.12	-166.36	-3,280.31	1,341.32	1,078.52	262.80	5.104		
11,700.00	7,134.45	11,383.15	6,950.52	135.68	135.71	82.12	-166.74	-3,380.31	1,341.94	1,073.66	268.27	5.002		
11,800.00	7,134.69	11,483.15	6,950.79	138.43	138.47	82.13	-167.11	-3,480.31	1,342.55	1,068.80	273.75	4.904		
11,900.00	7,134.93	11,583.14	6,951.05	141.18	141.24	82.13	-167.49	-3,580.30	1,343.17	1,063.93	279.24	4.810		
12,000.00	7,135.17	11,683.14	6,951.32	143.94	144.01	82.14	-167.86	-3,680.30	1,343.79	1,059.05	284.73	4.719		
12,100.00	7,135.41	11,783.14	6,951.58	146.70	146.79	82.14	-168.24	-3,780.30	1,344.40	1,054.17	290.23	4.632		
12,200.00	7,135.65	11,883.14	6,951.85	149.46	149.57	82.15	-168.61	-3,880.29	1,345.02	1,049.28	295.74	4.548		
12,300.00	7,135.89	11,983.14	6,952.12	152.23	152.35	82.15	-168.99	-3,980.29	1,345.64	1,044.38	301.26	4.467		
12,400.00	7,136.13	12,083.13	6,952.38	155.00	155.13	82.16	-169.37	-4,080.29	1,346.25	1,039.48	306.78	4.388		
12,500.00	7,136.37	12,183.13	6,952.65	157.78	157.92	82.16	-169.74	-4,180.28	1,346.87	1,034.57	312.30	4.313		
12,600.00	7,136.61	12,283.13	6,952.92	160.55	160.71	82.17	-170.12	-4,280.28	1,347.49	1,029.65	317.83	4.240		
12,700.00	7,136.85	12,383.13	6,953.18	163.33	163.50	82.17	-170.49	-4,380.28	1,348.10	1,024.73	323.37	4.169		
12,800.00	7,137.09	12,483.13	6,953.45	166.12	166.29	82.17	-170.87	-4,480.28	1,348.72	1,019.81	328.91	4.101		
12,900.00	7,137.33	12,583.12	6,953.71	168.90	169.09	82.18	-171.24	-4,580.27	1,349.34	1,014.88	334.46	4.034		
13,000.00	7,137.57	12,683.12	6,953.98	171.69	171.89	82.18	-171.62	-4,680.27	1,349.95	1,009.95	340.01	3.970		
13,100.00	7,137.81	12,783.12	6,954.25	174.48	174.69	82.19	-171.99	-4,780.27	1,350.57	1,005.01	345.56	3.908		
13,200.00	7,138.05	12,883.12	6,954.51	177.27	177.49	82.19	-172.37	-4,880.26	1,351.19	1,000.07	351.12	3.848		
13,300.00	7,138.29	12,983.12	6,954.78	180.07	180.30	82.20	-172.74	-4,980.26	1,351.80	995.12	356.68	3.790		
13,400.00	7,138.53	13,083.11	6,955.04	182.86	183.10	82.20	-173.12	-5,080.26	1,352.42	990.18	362.25	3.733		
13,500.00	7,138.77	13,183.11	6,955.31	185.66	185.91	82.21	-173.49	-5,180.25	1,353.04	985.22	367.81	3.679		
13,600.00	7,139.01	13,283.11	6,955.58	188.46	188.72	82.21	-173.87	-5,280.25	1,353.65	980.27	373.39	3.625		
13,700.00	7,139.25	13,383.11	6,955.84	191.26	191.53	82.22	-174.24	-5,380.25	1,354.27	975.31	378.96	3.574		
13,800.00	7,139.49	13,483.11	6,956.11	194.06	194.34	82.22	-174.62	-5,480.25	1,354.89	970.35	384.54	3.523		
13,900.00	7,139.73	13,583.10	6,956.37	196.87	197.15	82.23	-174.99	-5,580.24	1,355.51	965.38	390.12	3.475		
14,000.00	7,139.97	13,683.10	6,956.64	199.68	199.97	82.23	-175.37	-5,680.24	1,356.12	960.42	395.70	3.427		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	13,783.10	6,956.91	202.48	202.78	82.24	-175.75	-5,780.24	1,356.74	955.45	401.29	3.381		
14,200.00	7,140.45	13,883.10	6,957.17	205.29	205.60	82.24	-176.12	-5,880.23	1,357.36	950.48	406.88	3.336		
14,300.00	7,140.69	13,983.10	6,957.44	208.10	208.42	82.25	-176.50	-5,980.23	1,357.97	945.50	412.47	3.292		
14,400.00	7,140.93	14,083.09	6,957.70	210.91	211.24	82.25	-176.87	-6,080.23	1,358.59	940.52	418.07	3.250		
14,500.00	7,141.17	14,183.09	6,957.97	213.73	214.06	82.25	-177.25	-6,180.22	1,359.21	935.55	423.66	3.208		
14,600.00	7,141.41	14,283.09	6,958.24	216.54	216.88	82.26	-177.62	-6,280.22	1,359.82	930.56	429.26	3.168		
14,700.00	7,141.65	14,383.09	6,958.50	219.36	219.70	82.26	-178.00	-6,380.22	1,360.44	925.58	434.86	3.128		
14,800.00	7,141.89	14,483.09	6,958.77	222.17	222.52	82.27	-178.37	-6,480.22	1,361.06	920.59	440.46	3.090		
14,900.00	7,142.13	14,583.09	6,959.03	224.99	225.35	82.27	-178.75	-6,580.21	1,361.68	915.61	446.07	3.053		
15,000.00	7,142.36	14,683.08	6,959.30	227.81	228.17	82.28	-179.12	-6,680.21	1,362.29	910.62	451.67	3.016		
15,100.00	7,142.60	14,783.08	6,959.57	230.63	231.00	82.28	-179.50	-6,780.21	1,362.91	905.63	457.28	2.980		
15,200.00	7,142.84	14,883.08	6,959.83	233.45	233.82	82.29	-179.87	-6,880.20	1,363.53	900.63	462.89	2.946		
15,300.00	7,143.08	14,983.08	6,960.10	236.27	236.65	82.29	-180.25	-6,980.20	1,364.14	895.64	468.50	2.912		
15,400.00	7,143.32	15,083.08	6,960.36	239.09	239.48	82.30	-180.62	-7,080.20	1,364.76	890.64	474.12	2.879		
15,500.00	7,143.56	15,183.07	6,960.63	241.91	242.31	82.30	-181.00	-7,180.19	1,365.38	885.64	479.73	2.846		
15,600.00	7,143.80	15,283.07	6,960.90	244.73	245.14	82.31	-181.38	-7,280.19	1,365.99	880.65	485.35	2.814		
15,700.00	7,144.04	15,383.07	6,961.16	247.56	247.97	82.31	-181.75	-7,380.19	1,366.61	875.64	490.97	2.784		
15,800.00	7,144.28	15,483.07	6,961.43	250.38	250.80	82.31	-182.13	-7,480.18	1,367.23	870.64	496.59	2.753		
15,900.00	7,144.52	15,583.07	6,961.70	253.21	253.63	82.32	-182.50	-7,580.18	1,367.85	865.64	502.21	2.724		
16,000.00	7,144.76	15,683.06	6,961.96	256.03	256.46	82.32	-182.88	-7,680.18	1,368.46	860.63	507.83	2.695		
16,100.00	7,145.00	15,783.06	6,962.23	258.86	259.29	82.33	-183.25	-7,780.18	1,369.08	855.63	513.45	2.666		
16,200.00	7,145.24	15,883.06	6,962.49	261.69	262.13	82.33	-183.63	-7,880.17	1,369.70	850.62	519.08	2.639		
16,300.00	7,145.48	15,983.06	6,962.76	264.52	264.96	82.34	-184.00	-7,980.17	1,370.31	845.61	524.70	2.612		
16,400.00	7,145.72	16,083.06	6,963.03	267.35	267.80	82.34	-184.38	-8,080.17	1,370.93	840.60	530.33	2.585		
16,500.00	7,145.96	16,183.05	6,963.29	270.18	270.63	82.35	-184.75	-8,180.16	1,371.55	835.59	535.96	2.559		
16,600.00	7,146.20	16,283.05	6,963.56	273.01	273.47	82.35	-185.13	-8,280.16	1,372.17	830.58	541.59	2.534		
16,700.00	7,146.44	16,383.05	6,963.82	275.84	276.30	82.36	-185.50	-8,380.16	1,372.78	825.56	547.22	2.509		
16,800.00	7,146.68	16,483.05	6,964.09	278.67	279.14	82.36	-185.88	-8,480.15	1,373.40	820.55	552.85	2.484		
16,900.00	7,146.92	16,583.05	6,964.36	281.50	281.97	82.37	-186.25	-8,580.15	1,374.02	815.53	558.48	2.460		
17,000.00	7,147.16	16,683.04	6,964.62	284.33	284.81	82.37	-186.63	-8,680.15	1,374.64	810.52	564.12	2.437		
17,100.00	7,147.40	16,783.04	6,964.89	287.16	287.65	82.37	-187.00	-8,780.15	1,375.25	805.50	569.75	2.414		
17,200.00	7,147.64	16,883.04	6,965.15	290.00	290.49	82.38	-187.38	-8,880.14	1,375.87	800.48	575.39	2.391		
17,300.00	7,147.88	16,983.04	6,965.42	292.83	293.33	82.38	-187.76	-8,980.14	1,376.49	795.46	581.02	2.369		
17,400.00	7,148.12	17,083.04	6,965.69	295.66	296.16	82.39	-188.13	-9,080.14	1,377.10	790.44	586.66	2.347		
17,500.00	7,148.36	17,183.03	6,965.95	298.50	299.00	82.39	-188.51	-9,180.13	1,377.72	785.42	592.30	2.326		
17,600.00	7,148.60	17,283.03	6,966.22	301.33	301.84	82.40	-188.88	-9,280.13	1,378.34	780.40	597.94	2.305		
17,700.00	7,148.84	17,383.03	6,966.48	304.17	304.68	82.40	-189.26	-9,380.13	1,378.96	775.38	603.58	2.285		
17,800.00	7,149.08	17,483.03	6,966.75	307.00	307.52	82.41	-189.63	-9,480.12	1,379.57	770.35	609.22	2.264		
17,900.00	7,149.32	17,583.03	6,967.02	309.84	310.36	82.41	-190.01	-9,580.12	1,380.19	765.33	614.86	2.245		
18,000.00	7,149.56	17,683.02	6,967.28	312.68	313.20	82.42	-190.38	-9,680.12	1,380.81	760.30	620.50	2.225		
18,100.00	7,149.80	17,783.02	6,967.55	315.51	316.05	82.42	-190.76	-9,780.12	1,381.42	755.28	626.15	2.206		
18,200.00	7,150.04	17,883.02	6,967.81	318.35	318.89	82.42	-191.13	-9,880.11	1,382.04	750.25	631.79	2.187		
18,300.00	7,150.28	17,983.02	6,968.08	321.19	321.73	82.43	-191.51	-9,980.11	1,382.66	745.22	637.44	2.169		
18,400.00	7,150.52	18,083.02	6,968.35	324.03	324.57	82.43	-191.88	-10,080.11	1,383.28	740.20	643.08	2.151		
18,500.00	7,150.76	18,183.01	6,968.61	326.86	327.41	82.44	-192.26	-10,180.10	1,383.89	735.17	648.73	2.133		
18,600.00	7,151.00	18,283.01	6,968.88	329.70	330.26	82.44	-192.63	-10,280.10	1,384.51	730.14	654.37	2.116		
18,700.00	7,151.24	18,383.01	6,969.14	332.54	333.10	82.45	-193.01	-10,380.10	1,385.13	725.11	660.02	2.099		
18,800.00	7,151.48	18,483.01	6,969.41	335.38	335.94	82.45	-193.39	-10,480.09	1,385.75	720.08	665.67	2.082		
18,900.00	7,151.72	18,583.01	6,969.68	338.22	338.79	82.46	-193.76	-10,580.09	1,386.36	715.05	671.32	2.065		
19,000.00	7,151.96	18,683.00	6,969.94	341.06	341.63	82.46	-194.14	-10,680.09	1,386.98	710.01	676.97	2.049		
19,018.30	7,152.00	18,701.30	6,969.99	341.58	342.15	82.46	-194.20	-10,698.39	1,387.09	709.09	678.00	2.046 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.46	104.91	0.83	104.92					
100.00	100.00	100.00	100.00	3.28	3.28	0.46	104.91	0.83	104.92	98.35	6.57	15.970		
200.00	200.00	200.00	200.00	3.34	3.34	0.46	104.91	0.83	104.92	98.24	6.67	15.720 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-137.42	104.91	0.83	106.19	99.31	6.89	15.423		
400.00	399.84	400.30	400.28	3.59	3.60	-138.32	104.74	2.58	109.89	102.70	7.19	15.278		
500.00	499.45	500.59	500.43	3.80	3.80	-138.53	104.24	7.82	115.80	108.21	7.59	15.257		
600.00	598.70	600.76	600.21	4.04	4.04	-138.14	103.40	16.53	123.90	115.83	8.07	15.352		
700.00	697.47	700.71	699.40	4.32	4.31	-137.28	102.23	28.68	134.20	125.58	8.63	15.556		
800.00	795.62	800.35	797.81	4.65	4.62	-136.07	100.73	44.22	146.72	137.47	9.25	15.860		
900.00	893.06	899.59	895.23	5.01	4.96	-134.64	98.91	63.06	161.50	151.56	9.94	16.246		
1,000.00	989.64	1,001.68	991.44	5.42	5.35	-133.11	96.79	85.08	178.55	167.85	10.71	16.678		
1,044.50	1,032.32	1,042.01	1,033.90	5.61	5.51	-132.59	95.80	95.32	186.90	175.85	11.05	16.917		
1,100.00	1,085.43	1,103.54	1,086.82	5.86	5.76	-132.23	94.57	108.08	197.60	186.07	11.53	17.142		
1,200.00	1,181.11	1,205.44	1,182.16	6.33	6.20	-131.69	92.35	131.07	216.90	204.52	12.39	17.511		
1,300.00	1,276.80	1,307.34	1,277.50	6.81	6.65	-131.23	90.13	154.06	236.22	222.94	13.28	17.786		
1,400.00	1,372.49	1,409.24	1,372.85	7.31	7.12	-130.84	87.92	177.05	255.55	241.34	14.20	17.993		
1,500.00	1,468.17	1,488.86	1,468.19	7.83	7.49	-130.50	85.70	200.04	274.88	259.84	15.04	18.273		
1,600.00	1,563.86	1,586.96	1,563.53	8.35	7.95	-130.21	83.48	223.03	294.23	278.24	15.99	18.405		
1,700.00	1,659.55	1,685.06	1,658.87	8.88	8.43	-129.96	81.26	246.02	313.58	296.64	16.95	18.505		
1,800.00	1,755.23	1,783.16	1,754.22	9.42	8.91	-129.73	79.05	269.01	332.94	315.02	17.92	18.581		
1,900.00	1,850.92	1,881.26	1,849.56	9.97	9.39	-129.53	76.83	292.00	352.30	333.40	18.90	18.638		
2,000.00	1,946.61	1,979.36	1,944.90	10.52	9.88	-129.35	74.61	314.99	371.67	351.77	19.89	18.682		
2,100.00	2,042.29	2,077.46	2,040.25	11.07	10.37	-129.19	72.39	337.99	391.04	370.14	20.90	18.714		
2,200.00	2,137.98	2,175.57	2,135.59	11.63	10.87	-129.04	70.18	360.98	410.41	388.51	21.90	18.737		
2,300.00	2,233.67	2,273.67	2,230.93	12.19	11.37	-128.91	67.96	383.97	429.78	406.87	22.92	18.753		
2,400.00	2,329.35	2,371.77	2,326.27	12.76	11.87	-128.79	65.74	406.96	449.16	425.22	23.94	18.764		
2,500.00	2,425.04	2,469.87	2,421.62	13.32	12.37	-128.68	63.52	429.95	468.54	443.58	24.96	18.771		
2,600.00	2,520.72	2,567.97	2,516.96	13.89	12.88	-128.58	61.31	452.94	487.92	461.93	25.99	18.774		
2,700.00	2,616.41	2,666.07	2,612.30	14.46	13.38	-128.48	59.09	475.93	507.30	480.28	27.02	18.774		
2,800.00	2,712.10	2,764.17	2,707.65	15.03	13.89	-128.39	56.87	498.92	526.68	498.62	28.06	18.773		
2,900.00	2,807.78	2,862.27	2,802.99	15.60	14.40	-128.31	54.65	521.91	546.06	516.97	29.09	18.769		
3,000.00	2,903.47	2,960.37	2,898.33	16.18	14.92	-128.23	52.44	544.90	565.45	535.31	30.13	18.764		
3,100.00	2,999.16	3,058.47	2,993.67	16.75	15.43	-128.16	50.22	567.89	584.83	553.65	31.18	18.759		
3,200.00	3,094.84	3,156.57	3,089.02	17.33	15.94	-128.10	48.00	590.88	604.22	572.00	32.22	18.752		
3,300.00	3,190.53	3,254.67	3,184.36	17.90	16.46	-128.03	45.78	613.87	623.60	590.34	33.27	18.745		
3,400.00	3,286.22	3,352.77	3,279.70	18.48	16.97	-127.98	43.57	636.86	642.99	608.67	34.32	18.737		
3,500.00	3,381.90	3,450.87	3,375.05	19.06	17.49	-127.92	41.35	659.85	662.38	627.01	35.37	18.729		
3,600.00	3,477.59	3,548.97	3,470.39	19.64	18.00	-127.87	39.13	682.84	681.77	645.35	36.42	18.720		
3,700.00	3,573.28	3,647.07	3,565.73	20.22	18.52	-127.82	36.91	705.83	701.16	663.68	37.47	18.712		
3,800.00	3,668.96	3,745.18	3,661.07	20.80	19.04	-127.77	34.70	728.82	720.55	682.02	38.53	18.703		
3,900.00	3,764.65	3,843.28	3,756.42	21.38	19.56	-127.73	32.48	751.81	739.94	700.35	39.58	18.694		
4,000.00	3,860.33	3,941.38	3,851.76	21.96	20.08	-127.69	30.26	774.80	759.33	718.69	40.64	18.686		
4,100.00	3,956.02	4,039.48	3,947.10	22.54	20.60	-127.65	28.04	797.79	778.72	737.02	41.69	18.677		
4,200.00	4,051.71	4,137.58	4,042.45	23.13	21.12	-127.61	25.83	820.78	798.11	755.36	42.75	18.668		
4,300.00	4,147.39	4,235.68	4,137.79	23.71	21.64	-127.57	23.61	843.77	817.50	773.69	43.81	18.660		
4,400.00	4,243.08	4,333.78	4,233.13	24.29	22.16	-127.54	21.39	866.76	836.89	792.02	44.87	18.651		
4,500.00	4,338.77	4,431.88	4,328.47	24.88	22.68	-127.51	19.17	889.75	856.28	810.35	45.93	18.643		
4,600.00	4,434.45	4,529.98	4,423.82	25.46	23.20	-127.48	16.96	912.74	875.67	828.68	46.99	18.634		
4,700.00	4,530.14	4,628.08	4,519.16	26.04	23.72	-127.45	14.74	935.73	895.07	847.01	48.05	18.626		
4,800.00	4,625.83	4,726.18	4,614.50	26.63	24.24	-127.42	12.52	958.73	914.46	865.34	49.12	18.618		
4,900.00	4,721.51	4,824.28	4,709.85	27.21	24.77	-127.39	10.30	981.72	933.85	883.67	50.18	18.610		
5,000.00	4,817.20	4,922.38	4,805.19	27.80	25.29	-127.36	8.09	1,004.71	953.24	902.00	51.24	18.603		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,020.48	4,900.53	28.38	25.81	-127.34	5.87	1,027.70	972.64	920.33	52.31	18.595		
5,200.00	5,008.57	5,118.58	4,995.87	28.97	26.33	-127.31	3.65	1,050.69	992.03	938.66	53.37	18.588		
5,300.00	5,104.26	5,216.68	5,091.22	29.55	26.86	-127.29	1.43	1,073.68	1,011.42	956.99	54.44	18.580		
5,400.00	5,199.94	5,314.79	5,186.56	30.14	27.38	-127.27	-0.78	1,096.67	1,030.82	975.32	55.50	18.573		
5,500.00	5,295.63	5,412.89	5,281.90	30.72	27.90	-127.25	-3.00	1,119.66	1,050.21	993.65	56.57	18.566		
5,600.00	5,391.32	5,512.11	5,378.46	31.31	28.43	-127.25	-5.20	1,142.41	1,069.58	1,011.94	57.64	18.558		
5,700.00	5,487.00	5,612.24	5,476.56	31.90	28.93	-127.43	-7.12	1,162.33	1,088.78	1,030.10	58.68	18.555		
5,800.00	5,582.69	5,712.10	5,575.03	32.48	29.41	-127.78	-8.70	1,178.79	1,107.82	1,048.15	59.68	18.564		
5,900.00	5,678.38	5,811.44	5,673.51	33.07	29.85	-128.29	-9.96	1,191.76	1,126.77	1,066.14	60.63	18.585		
6,000.00	5,774.06	5,910.04	5,771.64	33.65	30.27	-128.96	-10.87	1,201.26	1,145.71	1,084.17	61.53	18.619		
6,100.00	5,869.75	6,007.67	5,869.08	34.24	30.67	-129.76	-11.46	1,207.35	1,164.74	1,102.35	62.39	18.668		
6,200.00	5,965.44	6,104.12	5,965.49	34.83	31.03	-130.69	-11.73	1,210.13	1,184.00	1,120.79	63.21	18.732		
6,300.00	6,061.12	6,200.24	6,061.12	35.41	31.38	-131.70	-11.75	1,210.33	1,203.61	1,139.63	63.98	18.813		
6,400.00	6,156.81	6,304.55	6,156.81	36.00	31.75	-132.70	-11.75	1,210.33	1,223.59	1,158.82	64.78	18.889		
6,500.00	6,252.50	6,408.87	6,252.50	36.59	32.13	-133.66	-11.75	1,210.33	1,243.94	1,178.36	65.58	18.969		
6,600.00	6,348.18	6,486.82	6,348.18	37.18	32.41	-134.59	-11.75	1,210.33	1,264.62	1,198.34	66.28	19.080		
6,636.04	6,382.67	6,521.31	6,382.67	37.39	32.54	-134.92	-11.75	1,210.33	1,272.15	1,205.59	66.56	19.113		
6,650.00	6,396.05	6,534.69	6,396.05	37.47	32.59	-138.59	-11.75	1,210.33	1,275.09	1,208.43	66.67	19.127		
6,700.00	6,444.38	6,583.72	6,444.08	37.74	32.76	-154.50	-11.75	1,209.96	1,285.79	1,218.75	67.05	19.177		
6,750.00	6,493.07	6,633.45	6,494.66	37.98	32.93	-174.45	-11.77	1,206.33	1,296.65	1,229.24	67.41	19.236		
6,800.00	6,541.82	6,682.67	6,543.31	38.18	33.11	164.63	-11.81	1,198.93	1,307.56	1,239.82	67.74	19.302		
6,850.00	6,590.35	6,731.45	6,590.82	38.35	33.29	146.78	-11.87	1,187.92	1,318.47	1,250.41	68.07	19.370		
6,900.00	6,638.34	6,779.81	6,638.95	38.50	33.48	133.37	-11.94	1,173.44	1,329.31	1,260.92	68.39	19.436		
6,950.00	6,685.50	6,827.79	6,681.50	38.64	33.68	123.61	-12.03	1,155.66	1,340.00	1,271.27	68.73	19.496		
7,000.00	6,731.54	6,875.44	6,724.30	38.77	33.90	116.39	-12.14	1,134.73	1,350.48	1,281.39	69.09	19.547		
7,050.00	6,776.18	6,922.79	6,765.15	38.90	34.13	110.87	-12.27	1,110.82	1,360.67	1,291.20	69.47	19.586		
7,100.00	6,819.14	6,969.88	6,803.91	39.03	34.38	106.52	-12.41	1,084.09	1,370.51	1,300.63	69.89	19.610		
7,150.00	6,860.16	7,016.73	6,840.40	39.16	34.66	102.99	-12.56	1,054.74	1,379.95	1,309.60	70.34	19.617		
7,200.00	6,898.98	7,063.36	6,874.49	39.31	34.96	100.08	-12.73	1,022.92	1,388.90	1,318.06	70.84	19.605		
7,250.00	6,935.36	7,109.82	6,906.04	39.47	35.29	97.63	-12.91	988.84	1,397.33	1,325.94	71.40	19.571		
7,300.00	6,969.08	7,156.12	6,934.93	39.65	35.65	95.56	-13.10	952.67	1,405.18	1,333.17	72.01	19.513		
7,350.00	6,999.94	7,202.27	6,961.03	39.85	36.04	93.81	-13.30	914.63	1,412.39	1,339.70	72.69	19.430		
7,400.00	7,027.74	7,248.29	6,984.25	40.08	36.46	92.32	-13.51	874.90	1,418.92	1,345.48	73.44	19.320		
7,450.00	7,052.31	7,294.20	7,004.49	40.34	36.92	91.06	-13.72	833.71	1,424.74	1,350.46	74.27	19.182		
7,500.00	7,073.49	7,340.01	7,021.68	40.63	37.41	90.00	-13.94	791.26	1,429.79	1,354.61	75.18	19.018		
7,550.00	7,091.17	7,385.72	7,035.75	40.95	37.92	89.15	-14.17	747.77	1,434.06	1,357.90	76.16	18.829		
7,600.00	7,105.22	7,431.35	7,046.64	41.31	38.47	88.47	-14.40	703.47	1,437.51	1,360.30	77.21	18.617		
7,650.00	7,115.57	7,476.89	7,054.32	41.71	39.04	87.96	-14.64	658.59	1,440.13	1,361.80	78.33	18.385		
7,700.00	7,122.15	7,522.36	7,058.77	42.15	39.62	87.61	-14.88	613.36	1,441.89	1,362.38	79.51	18.135		
7,750.00	7,124.91	7,568.48	7,060.02	42.62	40.24	87.43	-15.12	567.26	1,442.78	1,362.05	80.73	17.871		
7,759.54	7,125.00	7,578.02	7,060.04	42.72	40.37	87.42	-15.17	557.72	1,442.85	1,361.86	80.98	17.817		
7,800.00	7,125.10	7,618.48	7,060.13	43.13	40.94	87.42	-15.38	517.26	1,443.04	1,360.97	82.07	17.583		
7,900.00	7,125.34	7,718.48	7,060.36	44.28	42.44	87.42	-15.90	417.26	1,443.52	1,358.56	84.96	16.991		
8,000.00	7,125.58	7,818.48	7,060.59	45.61	44.07	87.42	-16.43	317.26	1,444.00	1,355.88	88.12	16.387		
8,100.00	7,125.82	7,918.48	7,060.82	47.10	45.82	87.42	-16.95	217.27	1,444.47	1,352.95	91.53	15.782		
8,200.00	7,126.06	8,018.48	7,061.05	48.72	47.68	87.42	-17.48	117.27	1,444.95	1,349.79	95.16	15.185		
8,300.00	7,126.30	8,118.48	7,061.28	50.48	49.64	87.42	-18.00	17.27	1,445.43	1,346.44	98.98	14.603		
8,400.00	7,126.54	8,218.48	7,061.52	52.34	51.68	87.42	-18.52	-82.72	1,445.90	1,342.92	102.98	14.040		
8,500.00	7,126.78	8,318.47	7,061.75	54.30	53.80	87.42	-19.05	-182.72	1,446.38	1,339.24	107.14	13.500		
8,600.00	7,127.02	8,418.47	7,061.98	56.35	55.98	87.42	-19.57	-282.72	1,446.86	1,335.43	111.43	12.984		
8,700.00	7,127.26	8,518.47	7,062.21	58.47	58.22	87.42	-20.10	-382.72	1,447.34	1,331.49	115.85	12.493		
8,800.00	7,127.50	8,618.47	7,062.44	60.66	60.51	87.43	-20.62	-482.71	1,447.81	1,327.44	120.38	12.027		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,718.47	7,062.67	62.90	62.85	87.43	-21.14	-582.71	1,448.29	1,323.29	125.00	11.587		
9,000.00	7,127.98	8,818.47	7,062.90	65.19	65.24	87.43	-21.67	-682.71	1,448.77	1,319.06	129.71	11.170		
9,100.00	7,128.22	8,918.47	7,063.13	67.53	67.65	87.43	-22.19	-782.70	1,449.25	1,314.75	134.49	10.776		
9,200.00	7,128.46	9,018.47	7,063.36	69.92	70.10	87.43	-22.72	-882.70	1,449.72	1,310.37	139.35	10.403		
9,300.00	7,128.70	9,118.47	7,063.59	72.33	72.59	87.43	-23.24	-982.70	1,450.20	1,305.93	144.27	10.052		
9,400.00	7,128.94	9,218.46	7,063.82	74.78	75.09	87.43	-23.76	-1,082.70	1,450.68	1,301.44	149.24	9.720		
9,500.00	7,129.18	9,318.46	7,064.05	77.26	77.63	87.43	-24.29	-1,182.69	1,451.16	1,296.89	154.27	9.407		
9,600.00	7,129.42	9,418.46	7,064.28	79.76	80.18	87.43	-24.81	-1,282.69	1,451.63	1,292.29	159.34	9.110		
9,700.00	7,129.66	9,518.46	7,064.51	82.29	82.75	87.43	-25.34	-1,382.69	1,452.11	1,287.65	164.46	8.830		
9,800.00	7,129.90	9,618.46	7,064.74	84.84	85.35	87.43	-25.86	-1,482.69	1,452.59	1,282.98	169.61	8.564		
9,900.00	7,130.14	9,718.46	7,064.97	87.41	87.96	87.43	-26.38	-1,582.68	1,453.07	1,278.27	174.80	8.313		
10,000.00	7,130.38	9,818.46	7,065.20	90.00	90.58	87.43	-26.91	-1,682.68	1,453.54	1,273.53	180.02	8.074		
10,100.00	7,130.62	9,918.46	7,065.43	92.60	93.22	87.43	-27.43	-1,782.68	1,454.02	1,268.76	185.26	7.848		
10,200.00	7,130.86	10,018.46	7,065.66	95.22	95.87	87.43	-27.96	-1,882.67	1,454.50	1,263.96	190.54	7.634		
10,300.00	7,131.09	10,118.45	7,065.90	97.85	98.53	87.43	-28.48	-1,982.67	1,454.98	1,259.14	195.84	7.429		
10,400.00	7,131.33	10,218.45	7,066.13	100.50	101.20	87.43	-29.00	-2,082.67	1,455.45	1,254.29	201.16	7.235		
10,500.00	7,131.57	10,318.45	7,066.36	103.16	103.88	87.43	-29.53	-2,182.67	1,455.93	1,249.43	206.50	7.050		
10,600.00	7,131.81	10,418.45	7,066.59	105.82	106.58	87.43	-30.05	-2,282.66	1,456.41	1,244.55	211.86	6.874		
10,700.00	7,132.05	10,518.45	7,066.82	108.50	109.28	87.43	-30.58	-2,382.66	1,456.89	1,239.64	217.24	6.706		
10,800.00	7,132.29	10,618.45	7,067.05	111.19	111.98	87.43	-31.10	-2,482.66	1,457.36	1,234.73	222.64	6.546		
10,900.00	7,132.53	10,718.45	7,067.28	113.88	114.70	87.44	-31.62	-2,582.65	1,457.84	1,229.79	228.05	6.393		
11,000.00	7,132.77	10,818.45	7,067.51	116.58	117.42	87.44	-32.15	-2,682.65	1,458.32	1,224.84	233.48	6.246		
11,100.00	7,133.01	10,918.44	7,067.74	119.29	120.15	87.44	-32.67	-2,782.65	1,458.80	1,219.88	238.92	6.106		
11,200.00	7,133.25	11,018.44	7,067.97	122.01	122.89	87.44	-33.20	-2,882.65	1,459.27	1,214.91	244.37	5.972		
11,300.00	7,133.49	11,118.44	7,068.20	124.73	125.63	87.44	-33.72	-2,982.64	1,459.75	1,209.92	249.83	5.843		
11,400.00	7,133.73	11,218.44	7,068.43	127.46	128.37	87.44	-34.24	-3,082.64	1,460.23	1,204.93	255.30	5.720		
11,500.00	7,133.97	11,318.44	7,068.66	130.19	131.12	87.44	-34.77	-3,182.64	1,460.71	1,199.92	260.79	5.601		
11,600.00	7,134.21	11,418.44	7,068.89	132.93	133.87	87.44	-35.29	-3,282.64	1,461.18	1,194.90	266.28	5.487		
11,700.00	7,134.45	11,518.44	7,069.12	135.68	136.63	87.44	-35.82	-3,382.63	1,461.66	1,189.88	271.78	5.378		
11,800.00	7,134.69	11,618.44	7,069.35	138.43	139.40	87.44	-36.34	-3,482.63	1,462.14	1,184.85	277.29	5.273		
11,900.00	7,134.93	11,718.44	7,069.58	141.18	142.16	87.44	-36.86	-3,582.63	1,462.62	1,179.80	282.81	5.172		
12,000.00	7,135.17	11,818.43	7,069.81	143.94	144.93	87.44	-37.39	-3,682.62	1,463.09	1,174.76	288.34	5.074		
12,100.00	7,135.41	11,918.43	7,070.05	146.70	147.71	87.44	-37.91	-3,782.62	1,463.57	1,169.70	293.87	4.980		
12,200.00	7,135.65	12,018.43	7,070.28	149.46	150.48	87.44	-38.44	-3,882.62	1,464.05	1,164.64	299.41	4.890		
12,300.00	7,135.89	12,118.43	7,070.51	152.23	153.26	87.44	-38.96	-3,982.62	1,464.53	1,159.57	304.96	4.802		
12,400.00	7,136.13	12,218.43	7,070.74	155.00	156.05	87.44	-39.48	-4,082.61	1,465.00	1,154.49	310.51	4.718		
12,500.00	7,136.37	12,318.43	7,070.97	157.78	158.83	87.44	-40.01	-4,182.61	1,465.48	1,149.41	316.07	4.637		
12,600.00	7,136.61	12,418.43	7,071.20	160.55	161.62	87.44	-40.53	-4,282.61	1,465.96	1,144.33	321.63	4.558		
12,700.00	7,136.85	12,518.43	7,071.43	163.33	164.41	87.44	-41.06	-4,382.60	1,466.44	1,139.24	327.20	4.482		
12,800.00	7,137.09	12,618.43	7,071.66	166.12	167.20	87.44	-41.58	-4,482.60	1,466.91	1,134.14	332.77	4.408		
12,900.00	7,137.33	12,718.42	7,071.89	168.90	170.00	87.44	-42.10	-4,582.60	1,467.39	1,129.04	338.35	4.337		
13,000.00	7,137.57	12,818.42	7,072.12	171.69	172.79	87.45	-42.63	-4,682.60	1,467.87	1,123.94	343.93	4.268		
13,100.00	7,137.81	12,918.42	7,072.35	174.48	175.59	87.45	-43.15	-4,782.59	1,468.35	1,118.83	349.52	4.201		
13,200.00	7,138.05	13,018.42	7,072.58	177.27	178.39	87.45	-43.68	-4,882.59	1,468.82	1,113.71	355.11	4.136		
13,300.00	7,138.29	13,118.42	7,072.81	180.07	181.19	87.45	-44.20	-4,982.59	1,469.30	1,108.60	360.71	4.073		
13,400.00	7,138.53	13,218.42	7,073.04	182.86	184.00	87.45	-44.72	-5,082.59	1,469.78	1,103.48	366.30	4.012		
13,500.00	7,138.77	13,318.42	7,073.27	185.66	186.80	87.45	-45.25	-5,182.58	1,470.26	1,098.35	371.90	3.953		
13,600.00	7,139.01	13,418.42	7,073.50	188.46	189.61	87.45	-45.77	-5,282.58	1,470.73	1,093.23	377.51	3.896		
13,700.00	7,139.25	13,518.42	7,073.73	191.26	192.42	87.45	-46.30	-5,382.58	1,471.21	1,088.10	383.12	3.840		
13,800.00	7,139.49	13,618.41	7,073.96	194.06	195.23	87.45	-46.82	-5,482.57	1,471.69	1,082.96	388.73	3.786		
13,900.00	7,139.73	13,718.41	7,074.19	196.87	198.04	87.45	-47.34	-5,582.57	1,472.17	1,077.83	394.34	3.733		
14,000.00	7,139.97	13,818.41	7,074.43	199.68	200.86	87.45	-47.87	-5,682.57	1,472.64	1,072.69	399.96	3.682		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	13,918.41	7,074.66	202.48	203.67	87.45	-48.39	-5,782.57	1,473.12	1,067.55	405.58	3.632		
14,200.00	7,140.45	14,018.41	7,074.89	205.29	206.49	87.45	-48.92	-5,882.56	1,473.60	1,062.40	411.20	3.584		
14,300.00	7,140.69	14,118.41	7,075.12	208.10	209.30	87.45	-49.44	-5,982.56	1,474.08	1,057.26	416.82	3.536		
14,400.00	7,140.93	14,218.41	7,075.35	210.91	212.12	87.45	-49.96	-6,082.56	1,474.55	1,052.11	422.45	3.491		
14,500.00	7,141.17	14,318.41	7,075.58	213.73	214.94	87.45	-50.49	-6,182.55	1,475.03	1,046.96	428.08	3.446		
14,600.00	7,141.41	14,418.41	7,075.81	216.54	217.76	87.45	-51.01	-6,282.55	1,475.51	1,041.80	433.71	3.402		
14,700.00	7,141.65	14,518.40	7,076.04	219.36	220.58	87.45	-51.54	-6,382.55	1,475.99	1,036.65	439.34	3.360		
14,800.00	7,141.89	14,618.40	7,076.27	222.17	223.40	87.45	-52.06	-6,482.55	1,476.46	1,031.49	444.97	3.318		
14,900.00	7,142.13	14,718.40	7,076.50	224.99	226.22	87.45	-52.58	-6,582.54	1,476.94	1,026.33	450.61	3.278		
15,000.00	7,142.36	14,818.40	7,076.73	227.81	229.05	87.45	-53.11	-6,682.54	1,477.42	1,021.17	456.25	3.238		
15,100.00	7,142.60	14,918.40	7,076.96	230.63	231.87	87.45	-53.63	-6,782.54	1,477.90	1,016.01	461.89	3.200		
15,200.00	7,142.84	15,018.40	7,077.19	233.45	234.70	87.46	-54.16	-6,882.54	1,478.37	1,010.84	467.53	3.162		
15,300.00	7,143.08	15,118.40	7,077.42	236.27	237.52	87.46	-54.68	-6,982.53	1,478.85	1,005.68	473.18	3.125		
15,400.00	7,143.32	15,218.40	7,077.65	239.09	240.35	87.46	-55.20	-7,082.53	1,479.33	1,000.51	478.82	3.090		
15,500.00	7,143.56	15,318.39	7,077.88	241.91	243.18	87.46	-55.73	-7,182.53	1,479.81	995.34	484.47	3.055		
15,600.00	7,143.80	15,418.39	7,078.11	244.73	246.01	87.46	-56.25	-7,282.52	1,480.28	990.17	490.12	3.020		
15,700.00	7,144.04	15,518.39	7,078.34	247.56	248.83	87.46	-56.78	-7,382.52	1,480.76	985.00	495.77	2.987		
15,800.00	7,144.28	15,618.39	7,078.57	250.38	251.66	87.46	-57.30	-7,482.52	1,481.24	979.82	501.42	2.954		
15,900.00	7,144.52	15,718.39	7,078.81	253.21	254.49	87.46	-57.82	-7,582.52	1,481.72	974.65	507.07	2.922		
16,000.00	7,144.76	15,818.39	7,079.04	256.03	257.33	87.46	-58.35	-7,682.51	1,482.19	969.47	512.72	2.891		
16,100.00	7,145.00	15,918.39	7,079.27	258.86	260.16	87.46	-58.87	-7,782.51	1,482.67	964.29	518.38	2.860		
16,200.00	7,145.24	16,018.39	7,079.50	261.69	262.99	87.46	-59.40	-7,882.51	1,483.15	959.12	524.03	2.830		
16,300.00	7,145.48	16,118.39	7,079.73	264.52	265.82	87.46	-59.92	-7,982.50	1,483.63	953.94	529.69	2.801		
16,400.00	7,145.72	16,218.38	7,079.96	267.35	268.65	87.46	-60.44	-8,082.50	1,484.10	948.75	535.35	2.772		
16,500.00	7,145.96	16,318.38	7,080.19	270.18	271.49	87.46	-60.97	-8,182.50	1,484.58	943.57	541.01	2.744		
16,600.00	7,146.20	16,418.38	7,080.42	273.01	274.32	87.46	-61.49	-8,282.50	1,485.06	938.39	546.67	2.717		
16,700.00	7,146.44	16,518.38	7,080.65	275.84	277.16	87.46	-62.02	-8,382.49	1,485.54	933.21	552.33	2.690		
16,800.00	7,146.68	16,618.38	7,080.88	278.67	279.99	87.46	-62.54	-8,482.49	1,486.01	928.02	557.99	2.663		
16,900.00	7,146.92	16,718.38	7,081.11	281.50	282.83	87.46	-63.06	-8,582.49	1,486.49	922.83	563.66	2.637		
17,000.00	7,147.16	16,818.38	7,081.34	284.33	285.66	87.46	-63.59	-8,682.49	1,486.97	917.65	569.32	2.612		
17,100.00	7,147.40	16,918.38	7,081.57	287.16	288.50	87.46	-64.11	-8,782.48	1,487.45	912.46	574.99	2.587		
17,200.00	7,147.64	17,018.38	7,081.80	290.00	291.34	87.46	-64.64	-8,882.48	1,487.92	907.27	580.66	2.562		
17,300.00	7,147.88	17,118.37	7,082.03	292.83	294.18	87.47	-65.16	-8,982.48	1,488.40	902.08	586.32	2.539		
17,400.00	7,148.12	17,218.37	7,082.26	295.66	297.01	87.47	-65.68	-9,082.47	1,488.88	896.89	591.99	2.515		
17,500.00	7,148.36	17,318.37	7,082.49	298.50	299.85	87.47	-66.21	-9,182.47	1,489.36	891.70	597.66	2.492		
17,600.00	7,148.60	17,418.37	7,082.72	301.33	302.69	87.47	-66.73	-9,282.47	1,489.83	886.50	603.33	2.469		
17,700.00	7,148.84	17,518.37	7,082.96	304.17	305.53	87.47	-67.26	-9,382.47	1,490.31	881.31	609.00	2.447		
17,800.00	7,149.08	17,618.37	7,083.19	307.00	308.37	87.47	-67.78	-9,482.46	1,490.79	876.12	614.67	2.425		
17,900.00	7,149.32	17,718.37	7,083.42	309.84	311.21	87.47	-68.30	-9,582.46	1,491.27	870.92	620.34	2.404		
18,000.00	7,149.56	17,818.37	7,083.65	312.68	314.05	87.47	-68.83	-9,682.46	1,491.74	865.73	626.02	2.383		
18,100.00	7,149.80	17,918.37	7,083.88	315.51	316.89	87.47	-69.35	-9,782.45	1,492.22	860.53	631.69	2.362		
18,200.00	7,150.04	18,018.36	7,084.11	318.35	319.73	87.47	-69.88	-9,882.45	1,492.70	855.33	637.36	2.342		
18,300.00	7,150.28	18,118.36	7,084.34	321.19	322.57	87.47	-70.40	-9,982.45	1,493.18	850.14	643.04	2.322		
18,400.00	7,150.52	18,218.36	7,084.57	324.03	325.41	87.47	-70.92	-10,082.45	1,493.65	844.94	648.71	2.302		
18,500.00	7,150.76	18,318.36	7,084.80	326.86	328.25	87.47	-71.45	-10,182.44	1,494.13	839.74	654.39	2.283		
18,600.00	7,151.00	18,418.36	7,085.03	329.70	331.09	87.47	-71.97	-10,282.44	1,494.61	834.54	660.07	2.264		
18,700.00	7,151.24	18,518.36	7,085.26	332.54	333.94	87.47	-72.50	-10,382.44	1,495.09	829.34	665.75	2.246		
18,800.00	7,151.48	18,618.36	7,085.49	335.38	336.78	87.47	-73.02	-10,482.44	1,495.56	824.14	671.42	2.227		
18,900.00	7,151.72	18,718.36	7,085.72	338.22	339.62	87.47	-73.54	-10,582.43	1,496.04	818.94	677.10	2.209		
19,000.00	7,151.96	18,818.35	7,085.95	341.06	342.46	87.47	-74.07	-10,682.43	1,496.52	813.74	682.78	2.192		
19,018.30	7,152.00	18,836.65	7,085.99	341.58	342.98	87.47	-74.16	-10,700.73	1,496.61	812.79	683.82	2.189 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	60.11	0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	60.11	0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	60.11	0.56	60.11	53.44	6.67	9.007 CC, ES		
300.00	299.98	301.04	301.02	3.44	3.44	-136.39	59.22	2.10	60.52	53.63	6.89	8.789		
400.00	399.84	402.06	401.89	3.59	3.60	-135.43	56.55	6.72	61.74	54.54	7.20	8.579		
500.00	499.45	503.05	502.48	3.80	3.81	-133.91	52.10	14.42	63.81	56.21	7.61	8.390		
600.00	598.70	603.98	602.64	4.04	4.05	-131.94	45.89	25.18	66.78	58.68	8.10	8.244		
700.00	697.47	704.84	702.23	4.32	4.34	-129.65	37.93	38.98	70.68	62.01	8.67	8.150		
800.00	795.62	805.61	801.11	4.65	4.67	-127.18	28.22	55.79	75.57	66.26	9.32	8.110		
900.00	893.06	905.93	898.87	5.01	5.04	-124.85	16.98	75.26	81.58	71.55	10.03	8.130		
1,000.00	989.64	1,005.61	995.88	5.42	5.44	-124.30	5.51	95.13	89.44	78.63	10.81	8.273		
1,044.50	1,032.32	1,049.91	1,038.99	5.61	5.62	-124.64	0.41	103.97	93.57	82.40	11.17	8.375		
1,100.00	1,085.43	1,105.14	1,092.73	5.86	5.85	-125.31	-5.95	114.98	98.98	87.35	11.64	8.507		
1,200.00	1,181.11	1,204.64	1,189.56	6.33	6.29	-126.34	-17.40	134.82	108.75	96.26	12.49	8.704		
1,300.00	1,276.80	1,304.15	1,286.39	6.81	6.74	-127.20	-28.86	154.65	118.56	105.17	13.38	8.859		
1,400.00	1,372.49	1,403.65	1,383.22	7.31	7.20	-127.93	-40.31	174.49	128.38	114.09	14.29	8.982		
1,500.00	1,468.17	1,503.15	1,480.06	7.83	7.67	-128.56	-51.77	194.33	138.22	123.00	15.22	9.080		
1,600.00	1,563.86	1,602.66	1,576.89	8.35	8.14	-129.10	-63.22	214.17	148.08	131.91	16.17	9.159		
1,700.00	1,659.55	1,702.16	1,673.72	8.88	8.63	-129.57	-74.67	234.01	157.94	140.82	17.12	9.223		
1,800.00	1,755.23	1,801.67	1,770.55	9.42	9.12	-129.99	-86.13	253.85	167.82	149.73	18.09	9.275		
1,900.00	1,850.92	1,901.17	1,867.38	9.97	9.61	-130.37	-97.58	273.69	177.71	158.63	19.07	9.318		
2,000.00	1,946.61	2,000.67	1,964.21	10.52	10.11	-130.70	-109.03	293.52	187.60	167.54	20.06	9.354		
2,100.00	2,042.29	2,100.18	2,061.04	11.07	10.61	-131.00	-120.49	313.36	197.49	176.45	21.05	9.383		
2,200.00	2,137.98	2,200.32	2,157.87	11.63	11.11	-131.27	-131.94	333.20	207.40	185.35	22.05	9.406		
2,300.00	2,233.67	2,300.82	2,254.70	12.19	11.63	-131.52	-143.40	353.04	217.30	194.25	23.06	9.425		
2,400.00	2,329.35	2,401.31	2,351.54	12.76	12.14	-131.74	-154.85	372.88	227.21	203.14	24.07	9.440		
2,500.00	2,425.04	2,501.81	2,448.37	13.32	12.66	-131.95	-166.30	392.72	237.12	212.04	25.08	9.453		
2,600.00	2,520.72	2,602.30	2,545.20	13.89	13.17	-132.14	-177.76	412.56	247.04	220.94	26.10	9.464		
2,700.00	2,616.41	2,702.80	2,642.03	14.46	13.69	-132.31	-189.21	432.40	256.96	229.83	27.13	9.473		
2,800.00	2,712.10	2,796.71	2,738.86	15.03	14.18	-132.47	-200.67	452.23	266.88	238.76	28.12	9.492		
2,900.00	2,807.78	2,903.79	2,835.69	15.60	14.73	-132.62	-212.12	472.07	276.80	247.62	29.18	9.487		
3,000.00	2,903.47	3,004.29	2,932.52	16.18	15.26	-132.76	-223.57	491.91	286.72	256.52	30.21	9.492		
3,100.00	2,999.16	3,104.78	3,029.35	16.75	15.78	-132.89	-235.03	511.75	296.65	265.41	31.24	9.496		
3,200.00	3,094.84	3,205.28	3,126.19	17.33	16.31	-133.02	-246.48	531.59	306.58	274.30	32.27	9.500		
3,300.00	3,190.53	3,305.78	3,223.02	17.90	16.83	-133.13	-257.94	551.43	316.50	283.20	33.31	9.503		
3,400.00	3,286.22	3,406.27	3,319.85	18.48	17.36	-133.24	-269.39	571.27	326.43	292.09	34.34	9.505		
3,500.00	3,381.90	3,506.77	3,416.68	19.06	17.88	-133.34	-280.84	591.11	336.36	300.98	35.38	9.507		
3,600.00	3,477.59	3,607.26	3,513.51	19.64	18.41	-133.44	-292.30	610.94	346.30	309.88	36.42	9.508		
3,700.00	3,573.28	3,692.24	3,610.34	20.22	18.86	-133.53	-303.75	630.78	356.23	318.85	37.38	9.530		
3,800.00	3,668.96	3,808.26	3,707.17	20.80	19.47	-133.61	-315.20	650.62	366.16	327.66	38.50	9.510		
3,900.00	3,764.65	3,908.75	3,804.00	21.38	20.00	-133.69	-326.66	670.46	376.10	336.55	39.54	9.511		
4,000.00	3,860.33	4,009.25	3,900.84	21.96	20.53	-133.77	-338.11	690.30	386.03	345.44	40.59	9.511		
4,100.00	3,956.02	4,109.74	3,997.67	22.54	21.06	-133.84	-349.57	710.14	395.97	354.34	41.63	9.512		
4,200.00	4,051.71	4,189.76	4,094.50	23.13	21.48	-133.91	-361.02	729.98	405.90	363.33	42.57	9.535		
4,300.00	4,147.39	4,289.27	4,191.33	23.71	22.00	-133.98	-372.47	749.82	415.84	372.23	43.61	9.536		
4,400.00	4,243.08	4,388.77	4,288.16	24.29	22.53	-134.04	-383.93	769.65	425.77	381.13	44.65	9.536		
4,500.00	4,338.77	4,488.27	4,384.99	24.88	23.06	-134.10	-395.38	789.49	435.71	390.02	45.69	9.536		
4,600.00	4,434.45	4,587.78	4,481.82	25.46	23.58	-134.16	-406.84	809.33	445.65	398.92	46.73	9.536		
4,700.00	4,530.14	4,687.28	4,578.65	26.04	24.11	-134.21	-418.29	829.17	455.59	407.81	47.77	9.536		
4,800.00	4,625.83	4,786.79	4,675.48	26.63	24.64	-134.26	-429.74	849.01	465.53	416.71	48.82	9.536		
4,900.00	4,721.51	4,886.29	4,772.32	27.21	25.16	-134.31	-441.20	868.85	475.47	425.61	49.86	9.536		
5,000.00	4,817.20	4,985.79	4,869.15	27.80	25.69	-134.36	-452.65	888.69	485.41	434.50	50.90	9.536		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,085.30	4,965.98	28.38	26.22	-134.41	-464.11	908.52	495.35	443.40	51.95	9.535		
5,200.00	5,008.57	5,184.80	5,062.81	28.97	26.75	-134.45	-475.56	928.36	505.29	452.29	52.99	9.535		
5,300.00	5,104.26	5,284.31	5,159.64	29.55	27.27	-134.49	-487.01	948.20	515.23	461.19	54.04	9.535		
5,400.00	5,199.94	5,383.81	5,256.47	30.14	27.80	-134.54	-498.47	968.04	525.17	470.08	55.08	9.534		
5,500.00	5,295.63	5,483.31	5,353.30	30.72	28.33	-134.57	-509.92	987.88	535.11	478.98	56.13	9.534		
5,600.00	5,391.32	5,582.82	5,450.13	31.31	28.86	-134.61	-521.37	1,007.72	545.05	487.87	57.17	9.533		
5,700.00	5,487.00	5,682.32	5,546.97	31.90	29.39	-134.65	-532.83	1,027.56	554.99	496.77	58.22	9.533		
5,800.00	5,582.69	5,781.83	5,643.80	32.48	29.92	-134.69	-544.28	1,047.40	564.93	505.67	59.27	9.532		
5,900.00	5,678.38	5,881.33	5,740.63	33.07	30.44	-134.72	-555.74	1,067.23	574.87	514.56	60.31	9.532		
6,000.00	5,774.06	5,980.83	5,837.46	33.65	30.97	-134.75	-567.19	1,087.07	584.82	523.46	61.36	9.531		
6,100.00	5,869.75	6,080.34	5,934.29	34.24	31.50	-134.78	-578.64	1,106.91	594.76	532.35	62.41	9.530		
6,200.00	5,965.44	6,179.84	6,031.12	34.83	32.03	-134.82	-590.10	1,126.75	604.70	541.25	63.45	9.530		
6,300.00	6,061.12	6,279.35	6,127.95	35.41	32.56	-134.85	-601.55	1,146.59	614.64	550.14	64.50	9.529		
6,400.00	6,156.81	6,378.85	6,224.78	36.00	33.09	-134.87	-613.01	1,166.43	624.58	559.04	65.55	9.529		
6,500.00	6,252.50	6,478.35	6,321.62	36.59	33.62	-134.90	-624.46	1,186.27	634.53	567.93	66.60	9.528		
6,600.00	6,348.18	6,577.60	6,418.63	37.18	34.12	-135.16	-635.82	1,203.56	644.48	576.89	67.59	9.535		
6,636.04	6,382.67	6,612.88	6,453.56	37.39	34.28	-135.53	-639.77	1,206.52	648.10	580.22	67.89	9.547		
6,650.00	6,396.05	6,626.42	6,467.01	37.47	34.34	-139.12	-641.27	1,207.14	649.53	581.54	67.99	9.554		
6,700.00	6,444.38	6,674.59	6,514.88	37.74	34.51	-154.80	-646.50	1,207.00	654.87	586.54	68.33	9.584		
6,750.00	6,493.07	6,722.23	6,562.10	37.98	34.67	-174.53	-651.51	1,203.29	660.52	591.89	68.63	9.624		
6,800.00	6,541.82	6,769.38	6,608.45	38.18	34.82	164.77	-656.27	1,196.13	666.44	597.54	68.91	9.672		
6,850.00	6,590.35	6,816.08	6,653.73	38.35	34.97	147.14	-660.76	1,185.67	672.60	603.42	69.18	9.723		
6,900.00	6,638.34	6,862.36	6,697.74	38.50	35.12	133.94	-664.99	1,172.04	678.93	609.49	69.45	9.776		
6,950.00	6,685.50	6,908.24	6,740.31	38.64	35.27	124.40	-668.92	1,155.40	685.40	615.67	69.73	9.829		
7,000.00	6,731.54	6,953.78	6,781.29	38.77	35.43	117.38	-672.56	1,135.88	691.95	621.92	70.03	9.881		
7,050.00	6,776.18	6,999.00	6,820.51	38.90	35.61	112.06	-675.88	1,113.65	698.54	628.18	70.35	9.929		
7,100.00	6,819.14	7,043.94	6,857.85	39.03	35.80	107.89	-678.89	1,088.84	705.11	634.39	70.71	9.972		
7,150.00	6,860.16	7,088.63	6,893.18	39.16	36.01	104.54	-681.57	1,061.62	711.61	640.50	71.11	10.007		
7,200.00	6,898.98	7,133.11	6,926.37	39.31	36.23	101.79	-683.92	1,032.13	718.01	646.46	71.55	10.035		
7,250.00	6,935.36	7,177.40	6,957.32	39.47	36.48	99.50	-685.94	1,000.52	724.25	652.20	72.05	10.052		
7,300.00	6,969.08	7,221.53	6,985.93	39.65	36.74	97.57	-687.61	966.97	730.30	657.69	72.61	10.058		
7,350.00	6,999.94	7,265.54	7,012.09	39.85	37.04	95.94	-688.94	931.61	736.11	662.87	73.24	10.050		
7,400.00	7,027.74	7,309.46	7,035.72	40.08	37.36	94.55	-689.91	894.62	741.64	667.69	73.95	10.029		
7,450.00	7,052.31	7,353.31	7,056.74	40.34	37.71	93.39	-690.54	856.15	746.86	672.12	74.74	9.993		
7,500.00	7,073.49	7,397.12	7,075.06	40.63	38.09	92.41	-690.82	816.36	751.74	676.12	75.62	9.941		
7,550.00	7,091.17	7,440.92	7,090.62	40.95	38.51	91.62	-690.74	775.43	756.24	679.65	76.59	9.874		
7,600.00	7,105.22	7,484.73	7,103.35	41.31	38.95	90.98	-690.32	733.52	760.34	682.71	77.64	9.794		
7,650.00	7,115.57	7,528.58	7,113.20	41.71	39.42	90.50	-689.54	690.81	764.02	685.26	78.76	9.701		
7,700.00	7,122.15	7,572.49	7,120.10	42.15	39.92	90.17	-688.41	647.47	767.25	687.30	79.95	9.597		
7,750.00	7,124.91	7,616.48	7,124.03	42.62	40.44	89.98	-686.94	603.68	770.01	688.82	81.20	9.483		
7,759.54	7,125.00	7,624.89	7,124.44	42.72	40.54	89.96	-686.62	595.29	770.49	689.05	81.44	9.461		
7,800.00	7,125.10	7,661.95	7,125.02	43.13	41.00	90.00	-685.08	558.27	772.58	690.10	82.48	9.367		
7,900.00	7,125.34	7,761.81	7,125.26	44.28	42.34	90.00	-680.77	458.51	777.89	692.62	85.27	9.123		
8,000.00	7,125.58	7,861.67	7,125.50	45.61	43.83	90.00	-676.47	358.74	783.20	694.88	88.32	8.868		
8,100.00	7,125.82	7,961.52	7,125.74	47.10	45.45	90.00	-672.16	258.98	788.51	696.88	91.63	8.605		
8,200.00	7,126.06	8,061.38	7,125.98	48.72	47.20	90.00	-667.86	159.21	793.82	698.65	95.17	8.341		
8,300.00	7,126.30	8,161.24	7,126.22	50.48	49.06	90.00	-663.55	59.45	799.14	700.22	98.92	8.079		
8,400.00	7,126.54	8,261.10	7,126.46	52.34	51.01	90.00	-659.25	-40.32	804.45	701.60	102.85	7.822		
8,500.00	7,126.78	8,360.96	7,126.70	54.30	53.05	90.00	-654.94	-140.09	809.76	702.83	106.93	7.573		
8,600.00	7,127.02	8,460.82	7,126.94	56.35	55.16	90.00	-650.63	-239.85	815.07	703.90	111.17	7.332		
8,700.00	7,127.26	8,560.68	7,127.18	58.47	57.35	90.00	-646.33	-339.62	820.38	704.86	115.53	7.101		
8,800.00	7,127.50	8,660.54	7,127.42	60.66	59.58	90.00	-642.02	-439.38	825.70	705.69	120.00	6.881		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
8,900.00	7,127.74	8,789.37	7,127.73	62.90	62.54	90.00	-638.21	-568.15	829.77	704.78	124.99	6.639		
9,000.00	7,127.98	8,904.35	7,128.01	65.19	65.22	90.00	-638.87	-683.12	830.12	700.27	129.85	6.393		
9,100.00	7,128.22	9,004.35	7,128.25	67.53	67.60	90.00	-639.86	-783.12	830.14	695.52	134.62	6.167		
9,200.00	7,128.46	9,104.35	7,128.48	69.92	70.02	90.00	-640.84	-883.11	830.16	690.71	139.45	5.953		
9,300.00	7,128.70	9,204.35	7,128.72	72.33	72.46	90.00	-641.82	-983.11	830.18	685.83	144.35	5.751		
9,400.00	7,128.94	9,304.35	7,128.96	74.78	74.94	90.00	-642.80	-1,083.10	830.20	680.89	149.31	5.560		
9,500.00	7,129.18	9,404.35	7,129.20	77.26	77.44	90.00	-643.78	-1,183.10	830.22	675.90	154.32	5.380		
9,600.00	7,129.42	9,504.35	7,129.44	79.76	79.97	90.00	-644.77	-1,283.09	830.24	670.86	159.38	5.209		
9,700.00	7,129.66	9,604.35	7,129.68	82.29	82.52	90.00	-645.75	-1,383.09	830.26	665.78	164.48	5.048		
9,800.00	7,129.90	9,704.35	7,129.92	84.84	85.08	90.00	-646.73	-1,483.08	830.28	660.66	169.62	4.895		
9,900.00	7,130.14	9,804.35	7,130.16	87.41	87.67	90.00	-647.71	-1,583.08	830.30	655.51	174.79	4.750		
10,000.00	7,130.38	9,904.35	7,130.40	90.00	90.28	90.00	-648.69	-1,683.07	830.32	650.32	180.00	4.613		
10,100.00	7,130.62	10,004.35	7,130.64	92.60	92.89	90.00	-649.68	-1,783.07	830.34	645.10	185.24	4.483		
10,200.00	7,130.86	10,104.35	7,130.88	95.22	95.53	90.00	-650.66	-1,883.06	830.36	639.86	190.50	4.359		
10,300.00	7,131.09	10,204.35	7,131.12	97.85	98.17	90.00	-651.64	-1,983.06	830.38	634.59	195.79	4.241		
10,400.00	7,131.33	10,304.35	7,131.36	100.50	100.83	90.00	-652.62	-2,083.05	830.40	629.29	201.10	4.129		
10,500.00	7,131.57	10,404.35	7,131.60	103.16	103.50	90.00	-653.60	-2,183.05	830.42	623.98	206.44	4.023		
10,600.00	7,131.81	10,504.35	7,131.84	105.82	106.17	90.00	-654.58	-2,283.04	830.44	618.64	211.79	3.921		
10,700.00	7,132.05	10,604.35	7,132.08	108.50	108.86	90.00	-655.57	-2,383.04	830.45	613.29	217.17	3.824		
10,800.00	7,132.29	10,704.35	7,132.32	111.19	111.56	90.00	-656.55	-2,483.03	830.47	607.92	222.56	3.732		
10,900.00	7,132.53	10,804.35	7,132.56	113.88	114.26	90.00	-657.53	-2,583.03	830.49	602.53	227.96	3.643		
11,000.00	7,132.77	10,904.35	7,132.80	116.58	116.97	90.00	-658.51	-2,683.02	830.51	597.13	233.38	3.559		
11,100.00	7,133.01	11,004.35	7,133.04	119.29	119.69	90.00	-659.49	-2,783.02	830.53	591.72	238.81	3.478		
11,200.00	7,133.25	11,104.35	7,133.28	122.01	122.41	90.00	-660.48	-2,883.01	830.55	586.29	244.26	3.400		
11,300.00	7,133.49	11,204.35	7,133.52	124.73	125.14	90.00	-661.46	-2,983.01	830.57	580.85	249.72	3.326		
11,400.00	7,133.73	11,304.35	7,133.76	127.46	127.88	90.00	-662.44	-3,083.00	830.59	575.40	255.19	3.255		
11,500.00	7,133.97	11,404.35	7,133.99	130.19	130.62	90.00	-663.42	-3,183.00	830.61	569.94	260.67	3.186		
11,600.00	7,134.21	11,504.35	7,134.23	132.93	133.36	90.00	-664.40	-3,282.99	830.63	564.47	266.16	3.121		
11,700.00	7,134.45	11,604.35	7,134.47	135.68	136.11	90.00	-665.38	-3,382.99	830.65	558.99	271.66	3.058		
11,800.00	7,134.69	11,704.35	7,134.71	138.43	138.87	90.00	-666.37	-3,482.98	830.67	553.51	277.17	2.997		
11,900.00	7,134.93	11,804.35	7,134.95	141.18	141.63	90.00	-667.35	-3,582.98	830.69	548.01	282.68	2.939		
12,000.00	7,135.17	11,904.35	7,135.19	143.94	144.39	90.00	-668.33	-3,682.97	830.71	542.51	288.21	2.882		
12,100.00	7,135.41	12,004.35	7,135.43	146.70	147.15	90.00	-669.31	-3,782.97	830.73	536.99	293.74	2.828		
12,200.00	7,135.65	12,104.35	7,135.67	149.46	149.92	90.00	-670.29	-3,882.96	830.75	531.48	299.27	2.776		
12,300.00	7,135.89	12,204.35	7,135.91	152.23	152.70	90.00	-671.28	-3,982.96	830.77	525.95	304.82	2.725		
12,400.00	7,136.13	12,304.35	7,136.15	155.00	155.47	90.00	-672.26	-4,082.95	830.79	520.42	310.37	2.677		
12,500.00	7,136.37	12,404.35	7,136.39	157.78	158.25	90.00	-673.24	-4,182.95	830.81	514.88	315.93	2.630		
12,600.00	7,136.61	12,504.35	7,136.63	160.55	161.03	90.00	-674.22	-4,282.94	830.83	509.34	321.49	2.584		
12,700.00	7,136.85	12,604.35	7,136.87	163.33	163.82	90.00	-675.20	-4,382.94	830.85	503.79	327.05	2.540		
12,800.00	7,137.09	12,704.35	7,137.11	166.12	166.60	90.00	-676.19	-4,482.93	830.87	498.24	332.63	2.498		
12,900.00	7,137.33	12,804.35	7,137.35	168.90	169.39	90.00	-677.17	-4,582.92	830.89	492.68	338.20	2.457		
13,000.00	7,137.57	12,904.35	7,137.59	171.69	172.18	90.00	-678.15	-4,682.92	830.91	487.12	343.78	2.417		
13,100.00	7,137.81	13,004.35	7,137.83	174.48	174.98	90.00	-679.13	-4,782.91	830.93	481.56	349.37	2.378		
13,200.00	7,138.05	13,104.35	7,138.07	177.27	177.77	90.00	-680.11	-4,882.91	830.95	475.99	354.96	2.341		
13,300.00	7,138.29	13,204.35	7,138.31	180.07	180.57	90.00	-681.09	-4,982.90	830.97	470.41	360.55	2.305		
13,400.00	7,138.53	13,304.35	7,138.55	182.86	183.37	90.00	-682.08	-5,082.90	830.99	464.84	366.15	2.270		
13,500.00	7,138.77	13,404.35	7,138.79	185.66	186.17	90.00	-683.06	-5,182.89	831.01	459.26	371.75	2.235		
13,600.00	7,139.01	13,504.35	7,139.03	188.46	188.97	90.00	-684.04	-5,282.89	831.03	453.67	377.36	2.202		
13,700.00	7,139.25	13,604.35	7,139.27	191.26	191.78	90.00	-685.02	-5,382.88	831.05	448.08	382.96	2.170		
13,800.00	7,139.49	13,704.35	7,139.50	194.06	194.58	90.00	-686.00	-5,482.88	831.07	442.49	388.57	2.139		
13,900.00	7,139.73	13,804.35	7,139.74	196.87	197.39	90.00	-686.99	-5,582.87	831.09	436.90	394.19	2.108		
14,000.00	7,139.97	13,904.35	7,139.98	199.68	200.20	90.00	-687.97	-5,682.87	831.10	431.30	399.80	2.079		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	14,004.35	7,140.22	202.48	203.01	90.00	-688.95	-5,782.86	831.12	425.70	405.42	2.050		
14,200.00	7,140.45	14,104.35	7,140.46	205.29	205.82	90.00	-689.93	-5,882.86	831.14	420.10	411.04	2.022		
14,300.00	7,140.69	14,204.35	7,140.70	208.10	208.63	90.00	-690.91	-5,982.85	831.16	414.50	416.67	1.995		
14,400.00	7,140.93	14,304.35	7,140.94	210.91	211.45	90.00	-691.90	-6,082.85	831.18	408.89	422.29	1.968		
14,500.00	7,141.17	14,404.35	7,141.18	213.73	214.26	90.00	-692.88	-6,182.84	831.20	403.28	427.92	1.942		
14,600.00	7,141.41	14,504.35	7,141.42	216.54	217.08	90.00	-693.86	-6,282.84	831.22	397.67	433.55	1.917		
14,700.00	7,141.65	14,604.35	7,141.66	219.36	219.89	90.00	-694.84	-6,382.83	831.24	392.06	439.19	1.893		
14,800.00	7,141.89	14,704.35	7,141.90	222.17	222.71	90.00	-695.82	-6,482.83	831.26	386.44	444.82	1.869		
14,900.00	7,142.13	14,804.35	7,142.14	224.99	225.53	90.00	-696.80	-6,582.82	831.28	380.82	450.46	1.845		
15,000.00	7,142.36	14,904.35	7,142.38	227.81	228.35	90.00	-697.79	-6,682.82	831.30	375.20	456.10	1.823		
15,100.00	7,142.60	15,004.35	7,142.62	230.63	231.17	90.00	-698.77	-6,782.81	831.32	369.58	461.74	1.800		
15,200.00	7,142.84	15,104.35	7,142.86	233.45	233.99	90.00	-699.75	-6,882.81	831.34	363.96	467.38	1.779		
15,300.00	7,143.08	15,204.35	7,143.10	236.27	236.82	90.00	-700.73	-6,982.80	831.36	358.34	473.03	1.758		
15,400.00	7,143.32	15,304.35	7,143.34	239.09	239.64	90.00	-701.71	-7,082.80	831.38	352.71	478.67	1.737		
15,500.00	7,143.56	15,404.35	7,143.58	241.91	242.46	90.00	-702.70	-7,182.79	831.40	347.08	484.32	1.717		
15,600.00	7,143.80	15,504.35	7,143.82	244.73	245.29	90.00	-703.68	-7,282.79	831.42	341.45	489.97	1.697		
15,700.00	7,144.04	15,604.35	7,144.06	247.56	248.11	90.00	-704.66	-7,382.78	831.44	335.82	495.62	1.678		
15,800.00	7,144.28	15,704.35	7,144.30	250.38	250.94	90.00	-705.64	-7,482.78	831.46	330.19	501.27	1.659		
15,900.00	7,144.52	15,804.35	7,144.54	253.21	253.77	90.00	-706.62	-7,582.77	831.48	324.55	506.92	1.640		
16,000.00	7,144.76	15,904.35	7,144.78	256.03	256.60	90.00	-707.60	-7,682.77	831.50	318.92	512.58	1.622		
16,100.00	7,145.00	16,004.35	7,145.01	258.86	259.42	90.00	-708.59	-7,782.76	831.52	313.28	518.24	1.605		
16,200.00	7,145.24	16,104.35	7,145.25	261.69	262.25	90.00	-709.57	-7,882.76	831.54	307.65	523.89	1.587		
16,300.00	7,145.48	16,204.35	7,145.49	264.52	265.08	90.00	-710.55	-7,982.75	831.56	302.01	529.55	1.570		
16,400.00	7,145.72	16,304.35	7,145.73	267.35	267.91	90.00	-711.53	-8,082.75	831.58	296.37	535.21	1.554		
16,500.00	7,145.96	16,404.35	7,145.97	270.18	270.74	90.00	-712.51	-8,182.74	831.60	290.73	540.87	1.538		
16,600.00	7,146.20	16,504.35	7,146.21	273.01	273.57	90.00	-713.50	-8,282.74	831.62	285.08	546.53	1.522		
16,700.00	7,146.44	16,604.35	7,146.45	275.84	276.41	90.00	-714.48	-8,382.73	831.64	279.44	552.20	1.506		
16,800.00	7,146.68	16,704.35	7,146.69	278.67	279.24	90.00	-715.46	-8,482.73	831.66	273.80	557.86	1.491 Level 3		
16,900.00	7,146.92	16,804.35	7,146.93	281.50	282.07	90.00	-716.44	-8,582.72	831.68	268.15	563.53	1.476 Level 3		
17,000.00	7,147.16	16,904.35	7,147.17	284.33	284.90	90.00	-717.42	-8,682.72	831.70	262.50	569.19	1.461 Level 3		
17,100.00	7,147.40	17,004.35	7,147.41	287.16	287.74	90.00	-718.41	-8,782.71	831.72	256.86	574.86	1.447 Level 3		
17,200.00	7,147.64	17,104.35	7,147.65	290.00	290.57	90.00	-719.39	-8,882.71	831.74	251.21	580.53	1.433 Level 3		
17,300.00	7,147.88	17,204.35	7,147.89	292.83	293.41	90.00	-720.37	-8,982.70	831.76	245.56	586.20	1.419 Level 3		
17,400.00	7,148.12	17,304.35	7,148.13	295.66	296.24	90.00	-721.35	-9,082.70	831.77	239.91	591.86	1.405 Level 3		
17,500.00	7,148.36	17,404.35	7,148.37	298.50	299.08	90.00	-722.33	-9,182.69	831.79	234.26	597.54	1.392 Level 3		
17,600.00	7,148.60	17,504.35	7,148.61	301.33	301.91	90.00	-723.31	-9,282.68	831.81	228.61	603.21	1.379 Level 3		
17,700.00	7,148.84	17,604.35	7,148.85	304.17	304.75	90.00	-724.30	-9,382.68	831.83	222.96	608.88	1.366 Level 3		
17,800.00	7,149.08	17,704.35	7,149.09	307.00	307.59	90.00	-725.28	-9,482.67	831.85	217.30	614.55	1.354 Level 3		
17,900.00	7,149.32	17,804.35	7,149.33	309.84	310.42	90.00	-726.26	-9,582.67	831.87	211.65	620.22	1.341 Level 3		
18,000.00	7,149.56	17,904.35	7,149.57	312.68	313.26	90.00	-727.24	-9,682.66	831.89	205.99	625.90	1.329 Level 3		
18,100.00	7,149.80	18,004.35	7,149.81	315.51	316.10	90.00	-728.22	-9,782.66	831.91	200.34	631.57	1.317 Level 3		
18,200.00	7,150.04	18,104.35	7,150.05	318.35	318.94	90.00	-729.21	-9,882.65	831.93	194.68	637.25	1.306 Level 3		
18,300.00	7,150.28	18,204.35	7,150.29	321.19	321.78	90.00	-730.19	-9,982.65	831.95	189.03	642.93	1.294 Level 3		
18,400.00	7,150.52	18,304.35	7,150.52	324.03	324.61	90.00	-731.17	-10,082.64	831.97	183.37	648.60	1.283 Level 3		
18,500.00	7,150.76	18,404.35	7,150.76	326.86	327.45	90.00	-732.15	-10,182.64	831.99	177.71	654.28	1.272 Level 3		
18,600.00	7,151.00	18,504.35	7,151.00	329.70	330.29	90.00	-733.13	-10,282.63	832.01	172.05	659.96	1.261 Level 3		
18,700.00	7,151.24	18,604.35	7,151.24	332.54	333.13	90.00	-734.12	-10,382.63	832.03	166.39	665.64	1.250 Level 2		
18,800.00	7,151.48	18,704.35	7,151.48	335.38	335.97	90.00	-735.10	-10,482.62	832.05	160.73	671.32	1.239 Level 2		
18,900.00	7,151.72	18,804.35	7,151.72	338.22	338.81	90.00	-736.08	-10,582.62	832.07	155.07	677.00	1.229 Level 2		
19,000.00	7,151.96	18,904.35	7,151.96	341.06	341.65	90.00	-737.06	-10,682.61	832.09	149.41	682.68	1.219 Level 2		
19,000.27	7,151.96	18,904.62	7,151.96	341.07	341.66	90.00	-737.06	-10,682.88	832.09	149.40	682.69	1.219 Level 2		
19,018.30	7,152.00	18,920.23	7,152.00	341.58	342.10	90.00	-737.22	-10,698.50	832.10	148.43	683.67	1.217 Level 2, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
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Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.00	14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	14.93	0.00	14.93	8.36	6.57	2.273		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	14.93	0.00	14.93	8.26	6.67	2.237 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-141.41	14.93	0.00	16.26	9.37	6.89	2.361		
400.00	399.84	400.42	400.40	3.59	3.60	-147.87	13.66	1.21	19.12	11.92	7.20	2.657		
500.00	499.45	500.98	500.82	3.80	3.79	-152.47	9.83	4.86	22.17	14.56	7.61	2.915		
600.00	598.70	601.67	601.11	4.04	4.03	-155.81	3.44	10.94	25.33	17.22	8.11	3.125		
700.00	697.47	702.48	701.16	4.32	4.30	-158.29	-5.51	19.47	28.55	19.86	8.68	3.288		
800.00	795.62	803.41	800.82	4.65	4.61	-160.15	-17.02	30.42	31.80	22.48	9.32	3.412		
900.00	893.06	904.46	899.99	5.01	4.96	-161.57	-31.08	43.81	35.06	25.05	10.01	3.503		
1,000.00	989.64	1,005.63	998.52	5.42	5.34	-162.65	-47.68	59.63	38.32	27.58	10.75	3.566		
1,044.50	1,032.32	1,050.69	1,042.13	5.61	5.53	-163.05	-55.89	67.44	39.77	28.68	11.09	3.587		
1,100.00	1,085.43	1,106.94	1,096.31	5.86	5.76	-163.28	-66.82	77.86	41.05	29.53	11.52	3.565		
1,200.00	1,181.11	1,207.27	1,192.48	6.33	6.21	-162.94	-87.55	97.59	41.71	29.41	12.30	3.391		
1,300.00	1,276.80	1,307.27	1,288.29	6.81	6.68	-162.57	-108.27	117.32	42.27	29.16	13.12	3.223		
1,400.00	1,372.49	1,407.27	1,384.11	7.31	7.17	-162.21	-128.99	137.06	42.84	28.88	13.96	3.069		
1,500.00	1,468.17	1,507.26	1,479.92	7.83	7.67	-161.86	-149.72	156.80	43.40	28.58	14.82	2.928		
1,600.00	1,563.86	1,607.26	1,575.74	8.35	8.18	-161.52	-170.44	176.53	43.97	28.26	15.71	2.799		
1,700.00	1,659.55	1,707.26	1,671.55	8.88	8.70	-161.19	-191.17	196.27	44.54	27.93	16.61	2.682		
1,800.00	1,755.23	1,807.26	1,767.37	9.42	9.23	-160.87	-211.89	216.00	45.11	27.58	17.53	2.574		
1,900.00	1,850.92	1,907.26	1,863.18	9.97	9.77	-160.55	-232.62	235.74	45.68	27.23	18.45	2.475		
2,000.00	1,946.61	2,007.26	1,959.00	10.52	10.31	-160.25	-253.34	255.48	46.25	26.86	19.39	2.385		
2,100.00	2,042.29	2,107.25	2,054.81	11.07	10.85	-159.95	-274.07	275.21	46.83	26.48	20.34	2.302		
2,200.00	2,137.98	2,207.25	2,150.63	11.63	11.40	-159.65	-294.79	294.95	47.40	26.10	21.30	2.225		
2,300.00	2,233.67	2,307.25	2,246.45	12.19	11.96	-159.37	-315.52	314.68	47.98	25.71	22.26	2.155		
2,400.00	2,329.35	2,407.25	2,342.26	12.76	12.51	-159.09	-336.24	334.42	48.56	25.32	23.24	2.090		
2,500.00	2,425.04	2,507.25	2,438.08	13.32	13.07	-158.82	-356.97	354.15	49.13	24.92	24.21	2.029		
2,600.00	2,520.72	2,607.24	2,533.89	13.89	13.63	-158.55	-377.69	373.89	49.71	24.52	25.20	1.973		
2,700.00	2,616.41	2,707.24	2,629.71	14.46	14.20	-158.29	-398.42	393.63	50.29	24.11	26.18	1.921		
2,800.00	2,712.10	2,807.24	2,725.52	15.03	14.76	-158.04	-419.14	413.36	50.88	23.70	27.17	1.872		
2,900.00	2,807.78	2,907.24	2,821.34	15.60	15.33	-157.79	-439.87	433.10	51.46	23.29	28.17	1.827		
3,000.00	2,903.47	3,007.24	2,917.15	16.18	15.89	-157.55	-460.59	452.83	52.04	22.87	29.17	1.784		
3,100.00	2,999.16	3,107.23	3,012.97	16.75	16.46	-157.31	-481.31	472.57	52.63	22.46	30.17	1.744		
3,200.00	3,094.84	3,207.23	3,108.78	17.33	17.03	-157.08	-502.04	492.31	53.21	22.04	31.18	1.707		
3,300.00	3,190.53	3,307.23	3,204.60	17.90	17.61	-156.85	-522.76	512.04	53.80	21.62	32.19	1.672		
3,400.00	3,286.22	3,407.23	3,300.41	18.48	18.18	-156.63	-543.49	531.78	54.39	21.19	33.20	1.638		
3,500.00	3,381.90	3,507.23	3,396.23	19.06	18.75	-156.41	-564.21	551.51	54.98	20.77	34.21	1.607		
3,600.00	3,477.59	3,607.22	3,492.05	19.64	19.32	-156.20	-584.94	571.25	55.56	20.34	35.23	1.577		
3,700.00	3,573.28	3,707.22	3,587.86	20.22	19.90	-155.99	-605.66	590.98	56.15	19.91	36.24	1.549		
3,800.00	3,668.96	3,807.22	3,683.68	20.80	20.47	-155.79	-626.39	610.72	56.75	19.48	37.26	1.523		
3,900.00	3,764.65	3,907.22	3,779.49	21.38	21.05	-155.59	-647.11	630.46	57.34	19.05	38.29	1.498 Level 3		
4,000.00	3,860.33	4,007.22	3,875.31	21.96	21.63	-155.39	-667.84	650.19	57.93	18.62	39.31	1.474 Level 3		
4,100.00	3,956.02	4,107.21	3,971.12	22.54	22.20	-155.20	-688.56	669.93	58.52	18.19	40.33	1.451 Level 3		
4,200.00	4,051.71	4,207.21	4,066.94	23.13	22.78	-155.01	-709.29	689.66	59.11	17.75	41.36	1.429 Level 3		
4,300.00	4,147.39	4,307.21	4,162.75	23.71	23.36	-154.83	-730.01	709.40	59.71	17.32	42.39	1.409 Level 3		
4,400.00	4,243.08	4,407.21	4,258.57	24.29	23.94	-154.65	-750.74	729.14	60.30	16.88	43.42	1.389 Level 3		
4,500.00	4,338.77	4,507.21	4,354.38	24.88	24.52	-154.47	-771.46	748.87	60.90	16.45	44.45	1.370 Level 3		
4,600.00	4,434.45	4,607.20	4,450.20	25.46	25.09	-154.30	-792.18	768.61	61.49	16.01	45.48	1.352 Level 3		
4,700.00	4,530.14	4,707.20	4,546.02	26.04	25.67	-154.13	-812.91	788.34	62.09	15.57	46.52	1.335 Level 3		
4,800.00	4,625.83	4,807.20	4,641.83	26.63	26.25	-153.96	-833.63	808.08	62.68	15.13	47.55	1.318 Level 3		
4,900.00	4,721.51	4,907.20	4,737.65	27.21	26.83	-153.79	-854.36	827.81	63.28	14.69	48.59	1.302 Level 3		
5,000.00	4,817.20	5,007.20	4,833.46	27.80	27.41	-153.63	-875.08	847.55	63.88	14.25	49.62	1.287 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,107.19	4,929.28	28.38	27.99	-153.48	-895.81	867.29	64.48	13.81	50.66	1.273	Level 3	
5,200.00	5,008.57	5,207.19	5,025.09	28.97	28.57	-153.32	-916.53	887.02	65.08	13.37	51.70	1.259	Level 3	
5,300.00	5,104.26	5,307.19	5,120.91	29.55	29.15	-153.17	-937.26	906.76	65.67	12.93	52.74	1.245	Level 2	
5,400.00	5,199.94	5,407.19	5,216.72	30.14	29.73	-153.02	-957.98	926.49	66.27	12.49	53.78	1.232	Level 2	
5,500.00	5,295.63	5,507.19	5,312.54	30.72	30.32	-152.87	-978.71	946.23	66.87	12.05	54.82	1.220	Level 2	
5,600.00	5,391.32	5,607.19	5,408.35	31.31	30.90	-152.73	-999.43	965.97	67.47	11.61	55.87	1.208	Level 2	
5,700.00	5,487.00	5,707.18	5,504.17	31.90	31.48	-152.59	-1,020.16	985.70	68.08	11.16	56.91	1.196	Level 2	
5,800.00	5,582.69	5,807.18	5,599.99	32.48	32.06	-152.45	-1,040.88	1,005.44	68.68	10.72	57.95	1.185	Level 2	
5,900.00	5,678.38	5,907.18	5,695.80	33.07	32.64	-152.31	-1,061.61	1,025.17	69.28	10.28	59.00	1.174	Level 2	
6,000.00	5,774.06	6,007.18	5,791.62	33.65	33.22	-152.18	-1,082.33	1,044.91	69.88	9.83	60.05	1.164	Level 2	
6,100.00	5,869.75	6,107.18	5,887.43	34.24	33.81	-152.05	-1,103.05	1,064.64	70.48	9.39	61.09	1.154	Level 2	
6,200.00	5,965.44	6,207.17	5,983.25	34.83	34.39	-151.92	-1,123.78	1,084.38	71.08	8.95	62.14	1.144	Level 2	
6,300.00	6,061.12	6,307.17	6,079.06	35.41	34.97	-151.79	-1,144.50	1,104.12	71.69	8.50	63.19	1.135	Level 2	
6,400.00	6,156.81	6,407.17	6,174.88	36.00	35.55	-151.66	-1,165.23	1,123.85	72.29	8.06	64.24	1.125	Level 2	
6,500.00	6,252.50	6,507.17	6,270.69	36.59	36.14	-151.54	-1,185.95	1,143.59	72.90	7.61	65.28	1.117	Level 2	
6,600.00	6,348.18	6,607.17	6,366.51	37.18	36.72	-151.42	-1,206.68	1,163.32	73.50	7.16	66.33	1.108	Level 2	
6,636.04	6,382.67	6,643.21	6,401.04	37.39	36.93	-151.38	-1,214.15	1,170.44	73.72	7.00	66.71	1.105	Level 2	
6,650.00	6,396.05	6,657.16	6,414.42	37.47	37.01	-151.33	-1,217.04	1,173.19	73.77	6.90	66.87	1.103	Level 2	
6,700.00	6,444.38	6,707.06	6,462.22	37.74	37.30	-166.71	-1,227.38	1,183.04	73.49	5.79	67.70	1.085	Level 2	
6,750.00	6,493.07	6,756.31	6,509.49	37.98	37.58	-179.73	-1,237.60	1,192.36	72.97	4.03	68.94	1.058	Level 2	
6,767.07	6,509.72	6,773.05	6,525.67	38.04	37.67	-174.80	-1,241.10	1,194.85	72.93	3.53	69.40	1.051	Level 2	
6,800.00	6,541.82	6,805.53	6,557.22	38.18	37.84	-165.65	-1,247.92	1,198.45	73.09	2.81	70.28	1.040	Level 2	
6,850.00	6,590.35	6,855.31	6,605.81	38.35	38.07	-154.58	-1,258.41	1,200.76	73.96	2.39	71.57	1.033	Level 2	
6,900.00	6,638.34	6,905.66	6,654.99	38.50	38.27	-147.73	-1,269.01	1,199.14	75.56	2.88	72.68	1.040	Level 2	
6,950.00	6,685.50	6,956.60	6,704.47	38.64	38.44	-144.21	-1,279.67	1,193.45	77.81	4.32	73.50	1.059	Level 2	
7,000.00	6,731.54	7,008.15	6,753.92	38.77	38.59	-142.79	-1,290.32	1,183.61	80.65	6.71	73.93	1.091	Level 2	
7,050.00	6,776.18	7,060.32	6,803.01	38.90	38.73	-142.60	-1,300.87	1,169.51	83.95	10.03	73.92	1.136	Level 2	
7,100.00	6,819.14	7,113.11	6,851.37	39.03	38.87	-143.08	-1,311.25	1,151.10	87.61	14.18	73.43	1.193	Level 2	
7,150.00	6,860.16	7,166.52	6,898.62	39.16	39.02	-143.87	-1,321.39	1,128.38	91.51	19.02	72.49	1.262	Level 3	
7,200.00	6,898.98	7,220.56	6,944.35	39.31	39.17	-144.80	-1,331.18	1,101.35	95.54	24.42	71.12	1.343	Level 3	
7,250.00	6,935.36	7,275.20	6,988.15	39.47	39.33	-145.73	-1,340.55	1,070.09	99.61	30.20	69.41	1.435	Level 3	
7,300.00	6,969.08	7,330.43	7,029.60	39.65	39.51	-146.61	-1,349.40	1,034.70	103.61	36.18	67.42	1.537		
7,350.00	6,999.94	7,386.22	7,068.27	39.85	39.71	-147.39	-1,357.64	995.36	107.46	42.18	65.27	1.646		
7,400.00	7,027.74	7,442.54	7,103.75	40.08	39.95	-148.05	-1,365.18	952.30	111.08	48.01	63.08	1.761		
7,450.00	7,052.31	7,499.35	7,135.62	40.34	40.22	-148.60	-1,371.93	905.79	114.42	53.46	60.96	1.877		
7,500.00	7,073.49	7,556.59	7,163.51	40.63	40.53	-149.01	-1,377.82	856.17	117.40	58.34	59.07	1.988		
7,550.00	7,091.17	7,614.21	7,187.08	40.95	40.89	-149.30	-1,382.76	803.85	119.99	62.45	57.55	2.085		
7,600.00	7,105.22	7,672.14	7,206.01	41.31	41.30	-149.46	-1,386.70	749.26	122.14	65.62	56.52	2.161		
7,650.00	7,115.57	7,730.31	7,220.07	41.71	41.76	-149.50	-1,389.59	692.91	123.83	67.73	56.10	2.207		
7,700.00	7,122.15	7,788.65	7,229.06	42.15	42.28	-149.42	-1,391.37	635.32	125.02	68.69	56.33	2.219		
7,750.00	7,124.91	7,847.07	7,232.87	42.62	42.84	-149.21	-1,392.04	577.04	125.71	68.47	57.25	2.196		
7,759.54	7,125.00	7,858.22	7,233.00	42.72	42.95	-149.16	-1,392.04	565.89	125.79	68.29	57.49	2.188		
7,800.00	7,125.10	7,901.25	7,233.10	43.13	43.40	-148.97	-1,391.95	525.37	126.04	67.60	58.44	2.157		
7,900.00	7,125.34	8,001.26	7,233.35	44.28	44.58	-148.50	-1,391.74	425.38	126.68	65.85	60.83	2.082		
8,000.00	7,125.58	8,101.27	7,233.60	45.61	45.93	-148.04	-1,391.53	325.38	127.33	63.96	63.37	2.009		
8,100.00	7,125.82	8,201.28	7,233.85	47.10	47.43	-147.58	-1,391.32	225.39	127.98	61.95	66.03	1.938		
8,200.00	7,126.06	8,301.28	7,234.09	48.72	49.07	-147.12	-1,391.11	125.40	128.64	59.81	68.83	1.869		
8,300.00	7,126.30	8,401.29	7,234.34	50.48	50.83	-146.67	-1,390.89	25.41	129.31	57.57	71.74	1.802		
8,400.00	7,126.54	8,501.30	7,234.59	52.34	52.71	-146.23	-1,390.68	-74.58	129.99	55.22	74.77	1.738		
8,500.00	7,126.78	8,601.31	7,234.84	54.30	54.67	-145.79	-1,390.47	-174.58	130.68	52.77	77.91	1.677		
8,600.00	7,127.02	8,701.31	7,235.09	56.35	56.72	-145.35	-1,390.26	-274.57	131.37	50.22	81.15	1.619		
8,700.00	7,127.26	8,801.32	7,235.34	58.47	58.85	-144.92	-1,390.05	-374.56	132.07	47.59	84.48	1.563		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	8,901.33	7,235.59	60.66	61.04	144.50	-1,389.84	-474.55	132.78	44.87	87.91	1.510		
8,900.00	7,127.74	9,001.34	7,235.83	62.90	63.28	144.08	-1,389.62	-574.54	133.49	42.07	91.42	1.460	Level 3	
9,000.00	7,127.98	9,101.34	7,236.08	65.19	65.58	143.66	-1,389.41	-674.54	134.22	39.20	95.02	1.413	Level 3	
9,100.00	7,128.22	9,201.35	7,236.33	67.53	67.92	143.25	-1,389.20	-774.53	134.95	36.25	98.70	1.367	Level 3	
9,200.00	7,128.46	9,301.36	7,236.58	69.92	70.30	142.84	-1,388.99	-874.52	135.68	33.23	102.45	1.324	Level 3	
9,300.00	7,128.70	9,401.37	7,236.83	72.33	72.72	142.43	-1,388.78	-974.51	136.43	30.15	106.27	1.284	Level 3	
9,400.00	7,128.94	9,501.37	7,237.08	74.78	75.17	142.03	-1,388.57	-1,074.50	137.18	27.01	110.17	1.245	Level 2	
9,500.00	7,129.18	9,601.38	7,237.33	77.26	77.65	141.64	-1,388.35	-1,174.50	137.93	23.81	114.12	1.209	Level 2	
9,600.00	7,129.42	9,701.39	7,237.58	79.76	80.16	141.25	-1,388.14	-1,274.49	138.70	20.55	118.15	1.174	Level 2	
9,700.00	7,129.66	9,801.39	7,237.82	82.29	82.69	140.86	-1,387.93	-1,374.48	139.47	17.24	122.23	1.141	Level 2	
9,800.00	7,129.90	9,901.40	7,238.07	84.84	85.24	140.48	-1,387.72	-1,474.47	140.24	13.87	126.37	1.110	Level 2	
9,900.00	7,130.14	10,001.41	7,238.32	87.41	87.81	140.10	-1,387.51	-1,574.47	141.02	10.46	130.57	1.080	Level 2	
10,000.00	7,130.38	10,101.42	7,238.57	90.00	90.40	139.73	-1,387.30	-1,674.46	141.81	6.99	134.82	1.052	Level 2	
10,100.00	7,130.62	10,201.42	7,238.82	92.60	93.00	139.36	-1,387.08	-1,774.45	142.61	3.48	139.12	1.025	Level 2	
10,200.00	7,130.86	10,301.43	7,239.07	95.22	95.62	138.99	-1,386.87	-1,874.44	143.41	-0.07	143.47	1.000	Level 1	
10,300.00	7,131.09	10,401.44	7,239.32	97.85	98.26	138.63	-1,386.66	-1,974.43	144.21	-3.66	147.87	0.975	Level 1	
10,400.00	7,131.33	10,501.45	7,239.56	100.50	100.90	138.27	-1,386.45	-2,074.43	145.02	-7.30	152.32	0.952	Level 1	
10,500.00	7,131.57	10,601.45	7,239.81	103.16	103.56	137.92	-1,386.24	-2,174.42	145.84	-10.97	156.81	0.930	Level 1	
10,600.00	7,131.81	10,701.46	7,240.06	105.82	106.23	137.57	-1,386.02	-2,274.41	146.66	-14.68	161.35	0.909	Level 1	
10,700.00	7,132.05	10,801.47	7,240.31	108.50	108.91	137.23	-1,385.81	-2,374.40	147.49	-18.43	165.92	0.889	Level 1	
10,800.00	7,132.29	10,901.48	7,240.56	111.19	111.60	136.88	-1,385.60	-2,474.39	148.32	-22.21	170.54	0.870	Level 1	
10,900.00	7,132.53	11,001.48	7,240.81	113.88	114.29	136.55	-1,385.39	-2,574.39	149.16	-26.03	175.19	0.851	Level 1	
11,000.00	7,132.77	11,101.49	7,241.06	116.58	117.00	136.21	-1,385.18	-2,674.38	150.01	-29.88	179.88	0.834	Level 1	
11,100.00	7,133.01	11,201.50	7,241.31	119.29	119.71	135.88	-1,384.97	-2,774.37	150.85	-33.76	184.61	0.817	Level 1	
11,200.00	7,133.25	11,301.51	7,241.55	122.01	122.43	135.56	-1,384.75	-2,874.36	151.71	-37.67	189.37	0.801	Level 1	
11,300.00	7,133.49	11,401.51	7,241.80	124.73	125.15	135.23	-1,384.54	-2,974.35	152.57	-41.60	194.17	0.786	Level 1	
11,400.00	7,133.73	11,501.52	7,242.05	127.46	127.89	134.91	-1,384.33	-3,074.35	153.43	-45.57	199.00	0.771	Level 1	
11,500.00	7,133.97	11,601.53	7,242.30	130.19	130.62	134.60	-1,384.12	-3,174.34	154.30	-49.56	203.86	0.757	Level 1	
11,600.00	7,134.21	11,701.53	7,242.55	132.93	133.36	134.29	-1,383.91	-3,274.33	155.17	-53.58	208.75	0.743	Level 1	
11,700.00	7,134.45	11,801.54	7,242.80	135.68	136.11	133.98	-1,383.70	-3,374.32	156.05	-57.63	213.67	0.730	Level 1	
11,800.00	7,134.69	11,901.55	7,243.05	138.43	138.86	133.67	-1,383.48	-3,474.32	156.93	-61.69	218.62	0.718	Level 1	
11,900.00	7,134.93	12,001.56	7,243.30	141.18	141.61	133.37	-1,383.27	-3,574.31	157.81	-65.72	223.53	0.706	Level 1	
12,000.00	7,135.17	12,101.56	7,243.54	143.94	144.38	133.07	-1,383.06	-3,674.30	158.70	-69.90	228.60	0.694	Level 1	
12,100.00	7,135.41	12,201.57	7,243.79	146.70	147.14	132.78	-1,382.85	-3,774.29	159.60	-74.03	233.63	0.683	Level 1	
12,200.00	7,135.65	12,298.42	7,244.04	149.46	149.82	132.48	-1,382.64	-3,874.28	160.50	-78.12	238.62	0.673	Level 1	
12,300.00	7,135.89	12,401.59	7,244.29	152.23	152.68	132.20	-1,382.43	-3,974.28	161.40	-82.37	243.77	0.662	Level 1	
12,400.00	7,136.13	12,501.59	7,244.54	155.00	155.46	131.91	-1,382.21	-4,074.27	162.31	-86.56	248.87	0.652	Level 1	
12,500.00	7,136.37	12,601.60	7,244.79	157.78	158.23	131.63	-1,382.00	-4,174.26	163.22	-90.78	254.00	0.643	Level 1	
12,600.00	7,136.61	12,701.61	7,245.04	160.55	161.01	131.35	-1,381.79	-4,274.25	164.13	-95.01	259.14	0.633	Level 1	
12,700.00	7,136.85	12,801.62	7,245.28	163.33	163.80	131.07	-1,381.58	-4,374.24	165.05	-99.26	264.31	0.624	Level 1	
12,800.00	7,137.09	12,901.62	7,245.53	166.12	166.58	130.80	-1,381.37	-4,474.24	165.97	-103.53	269.50	0.616	Level 1	
12,900.00	7,137.33	13,001.63	7,245.78	168.90	169.37	130.53	-1,381.16	-4,574.23	166.90	-107.81	274.71	0.608	Level 1	
13,000.00	7,137.57	13,101.64	7,246.03	171.69	172.16	130.26	-1,380.94	-4,674.22	167.83	-112.11	279.94	0.600	Level 1	
13,100.00	7,137.81	13,201.64	7,246.28	174.48	174.96	130.00	-1,380.73	-4,774.21	168.76	-116.43	285.19	0.592	Level 1	
13,200.00	7,138.05	13,301.65	7,246.53	177.27	177.75	129.74	-1,380.52	-4,874.20	169.70	-120.76	290.46	0.584	Level 1	
13,300.00	7,138.29	13,401.66	7,246.78	180.07	180.55	129.48	-1,380.31	-4,974.20	170.64	-125.10	295.75	0.577	Level 1	
13,400.00	7,138.53	13,501.67	7,247.02	182.86	183.35	129.23	-1,380.10	-5,074.19	171.58	-129.46	301.05	0.570	Level 1	
13,500.00	7,138.77	13,601.67	7,247.27	185.66	186.15	128.97	-1,379.88	-5,174.18	172.53	-133.83	306.37	0.563	Level 1	
13,600.00	7,139.01	13,701.68	7,247.52	188.46	188.95	128.72	-1,379.67	-5,274.17	173.48	-138.22	311.70	0.557	Level 1	
13,700.00	7,139.25	13,801.69	7,247.77	191.26	191.76	128.48	-1,379.46	-5,374.17	174.44	-142.62	317.05	0.550	Level 1	
13,800.00	7,139.49	13,901.70	7,248.02	194.06	194.56	128.23	-1,379.25	-5,474.16	175.39	-147.02	322.42	0.544	Level 1	
13,900.00	7,139.73	14,001.70	7,248.27	196.87	197.37	127.99	-1,379.04	-5,574.15	176.35	-151.45	327.80	0.538	Level 1	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	14,101.71	7,248.52	199.68	200.18	127.75	-1,378.83	-5,674.14	177.32	-155.88	333.19	0.532 Level 1		
14,100.00	7,140.21	14,201.72	7,248.77	202.48	202.99	127.51	-1,378.61	-5,774.13	178.28	-160.32	338.60	0.527 Level 1		
14,200.00	7,140.45	14,301.73	7,249.01	205.29	205.80	127.28	-1,378.40	-5,874.13	179.25	-164.77	344.03	0.521 Level 1		
14,300.00	7,140.69	14,401.73	7,249.26	208.10	208.62	127.05	-1,378.19	-5,974.12	180.22	-169.24	349.46	0.516 Level 1		
14,400.00	7,140.93	14,501.74	7,249.51	210.91	211.43	126.82	-1,377.98	-6,074.11	181.20	-173.71	354.91	0.511 Level 1		
14,500.00	7,141.17	14,601.75	7,249.76	213.73	214.25	126.59	-1,377.77	-6,174.10	182.18	-178.19	360.37	0.506 Level 1		
14,600.00	7,141.41	14,701.76	7,250.01	216.54	217.07	126.37	-1,377.56	-6,274.09	183.16	-182.68	365.84	0.501 Level 1		
14,700.00	7,141.65	14,801.76	7,250.26	219.36	219.89	126.15	-1,377.34	-6,374.09	184.14	-187.18	371.32	0.496 Level 1		
14,800.00	7,141.89	14,901.77	7,250.51	222.17	222.70	125.93	-1,377.13	-6,474.08	185.13	-191.69	376.82	0.491 Level 1		
14,900.00	7,142.13	15,001.78	7,250.75	224.99	225.53	125.71	-1,376.92	-6,574.07	186.12	-196.21	382.33	0.487 Level 1		
15,000.00	7,142.36	15,101.78	7,251.00	227.81	228.35	125.50	-1,376.71	-6,674.06	187.11	-200.73	387.84	0.482 Level 1		
15,100.00	7,142.60	15,201.79	7,251.25	230.63	231.17	125.29	-1,376.50	-6,774.05	188.10	-205.26	393.37	0.478 Level 1		
15,200.00	7,142.84	15,301.80	7,251.50	233.45	233.99	125.07	-1,376.29	-6,874.05	189.10	-209.80	398.90	0.474 Level 1		
15,300.00	7,143.08	15,401.81	7,251.75	236.27	236.82	124.87	-1,376.07	-6,974.04	190.10	-214.35	404.45	0.470 Level 1		
15,400.00	7,143.32	15,501.81	7,252.00	239.09	239.64	124.66	-1,375.86	-7,074.03	191.10	-218.90	410.00	0.466 Level 1		
15,500.00	7,143.56	15,598.18	7,252.25	241.91	242.37	124.46	-1,375.65	-7,174.02	192.11	-223.38	415.48	0.462 Level 1		
15,600.00	7,143.80	15,701.83	7,252.50	244.73	245.30	124.26	-1,375.44	-7,274.02	193.11	-228.03	421.14	0.459 Level 1		
15,700.00	7,144.04	15,801.84	7,252.74	247.56	248.12	124.06	-1,375.23	-7,374.01	194.12	-232.60	426.72	0.455 Level 1		
15,800.00	7,144.28	15,901.84	7,252.99	250.38	250.95	123.86	-1,375.01	-7,474.00	195.13	-237.18	432.31	0.451 Level 1		
15,900.00	7,144.52	16,001.85	7,253.24	253.21	253.78	123.66	-1,374.80	-7,573.99	196.15	-241.76	437.91	0.448 Level 1		
16,000.00	7,144.76	16,101.86	7,253.49	256.03	256.61	123.47	-1,374.59	-7,673.98	197.16	-246.35	443.51	0.445 Level 1		
16,100.00	7,145.00	16,201.87	7,253.74	258.86	259.44	123.28	-1,374.38	-7,773.98	198.18	-250.95	449.13	0.441 Level 1		
16,200.00	7,145.24	16,301.87	7,253.99	261.69	262.27	123.09	-1,374.17	-7,873.97	199.20	-255.54	454.75	0.438 Level 1		
16,300.00	7,145.48	16,401.88	7,254.24	264.52	265.10	122.90	-1,373.96	-7,973.96	200.22	-260.15	460.37	0.435 Level 1		
16,400.00	7,145.72	16,501.89	7,254.48	267.35	267.94	122.72	-1,373.74	-8,073.95	201.25	-264.76	466.01	0.432 Level 1		
16,500.00	7,145.96	16,601.90	7,254.73	270.18	270.77	122.53	-1,373.53	-8,173.94	202.27	-269.37	471.65	0.429 Level 1		
16,600.00	7,146.20	16,701.90	7,254.98	273.01	273.60	122.35	-1,373.32	-8,273.94	203.30	-273.99	477.29	0.426 Level 1		
16,700.00	7,146.44	16,801.91	7,255.23	275.84	276.44	122.17	-1,373.11	-8,373.93	204.33	-278.61	482.95	0.423 Level 1		
16,800.00	7,146.68	16,901.92	7,255.48	278.67	279.27	121.99	-1,372.90	-8,473.92	205.37	-283.24	488.60	0.420 Level 1		
16,900.00	7,146.92	17,001.92	7,255.73	281.50	282.11	121.82	-1,372.69	-8,573.91	206.40	-287.87	494.27	0.418 Level 1		
17,000.00	7,147.16	17,101.93	7,255.98	284.33	284.94	121.64	-1,372.47	-8,673.90	207.44	-292.50	499.94	0.415 Level 1		
17,100.00	7,147.40	17,201.94	7,256.23	287.16	287.78	121.47	-1,372.26	-8,773.90	208.48	-297.14	505.61	0.412 Level 1		
17,200.00	7,147.64	17,301.95	7,256.47	290.00	290.62	121.30	-1,372.05	-8,873.89	209.52	-301.78	511.30	0.410 Level 1		
17,300.00	7,147.88	17,398.05	7,256.72	292.83	293.34	121.13	-1,371.84	-8,973.88	210.56	-306.33	516.88	0.407 Level 1		
17,400.00	7,148.12	17,501.96	7,256.97	295.66	296.29	120.96	-1,371.63	-9,073.87	211.60	-311.07	522.67	0.405 Level 1		
17,500.00	7,148.36	17,601.97	7,257.22	298.50	299.13	120.80	-1,371.42	-9,173.87	212.65	-315.72	528.37	0.402 Level 1		
17,600.00	7,148.60	17,701.98	7,257.47	301.33	301.97	120.63	-1,371.20	-9,273.86	213.70	-320.37	534.07	0.400 Level 1		
17,700.00	7,148.84	17,801.98	7,257.72	304.17	304.81	120.47	-1,370.99	-9,373.85	214.75	-325.03	539.77	0.398 Level 1		
17,800.00	7,149.08	17,901.99	7,257.97	307.00	307.65	120.31	-1,370.78	-9,473.84	215.80	-329.69	545.48	0.396 Level 1		
17,900.00	7,149.32	18,002.00	7,258.21	309.84	310.49	120.15	-1,370.57	-9,573.83	216.85	-334.35	551.20	0.393 Level 1		
18,000.00	7,149.56	18,102.01	7,258.46	312.68	313.33	119.99	-1,370.36	-9,673.83	217.91	-339.01	556.92	0.391 Level 1		
18,100.00	7,149.80	18,197.99	7,258.71	315.51	316.05	119.83	-1,370.15	-9,773.82	218.96	-343.57	562.54	0.389 Level 1		
18,200.00	7,150.04	18,302.02	7,258.96	318.35	319.01	119.68	-1,369.93	-9,873.81	220.02	-348.34	568.36	0.387 Level 1		
18,300.00	7,150.28	18,402.03	7,259.21	321.19	321.85	119.52	-1,369.72	-9,973.80	221.08	-353.01	574.09	0.385 Level 1		
18,400.00	7,150.52	18,497.97	7,259.46	324.03	324.58	119.37	-1,369.51	-10,073.79	222.14	-357.58	579.72	0.383 Level 1		
18,500.00	7,150.76	18,602.04	7,259.71	326.86	327.53	119.22	-1,369.30	-10,173.79	223.20	-362.36	585.56	0.381 Level 1		
18,600.00	7,151.00	18,702.05	7,259.96	329.70	330.38	119.07	-1,369.09	-10,273.78	224.27	-367.04	591.30	0.379 Level 1		
18,700.00	7,151.24	18,802.06	7,260.20	332.54	333.22	118.92	-1,368.88	-10,373.77	225.33	-371.71	597.05	0.377 Level 1		
18,800.00	7,151.48	18,897.94	7,260.45	335.38	335.94	118.78	-1,368.66	-10,473.76	226.40	-376.29	602.69	0.376 Level 1		
18,900.00	7,151.72	19,002.07	7,260.70	338.22	338.91	118.63	-1,368.45	-10,573.75	227.47	-381.07	608.54	0.374 Level 1		
19,000.00	7,151.96	19,097.92	7,260.95	341.06	341.63	118.49	-1,368.24	-10,673.75	228.54	-385.65	614.19	0.372 Level 1		
19,018.30	7,152.00	19,116.22	7,261.00	341.58	342.15	118.46	-1,368.20	-10,692.04	228.73	-386.51	615.24	0.372 Level 1, ES, SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.29	-44.81	-0.56	44.82					
100.00	100.00	100.00	100.00	3.28	3.28	-179.29	-44.81	-0.56	44.82	38.25	6.57	6.822		
200.00	200.00	200.00	200.00	3.34	3.34	-179.29	-44.81	-0.56	44.82	38.14	6.67	6.715		
300.00	299.98	299.98	299.98	3.44	3.44	45.06	-44.81	-0.56	43.57	36.68	6.89	6.327		
400.00	399.84	398.71	398.69	3.59	3.59	48.88	-46.28	0.31	41.41	34.21	7.19	5.758		
500.00	499.45	497.55	497.40	3.80	3.78	53.84	-50.67	2.91	39.96	32.37	7.59	5.266		
600.00	598.70	596.49	595.96	4.04	4.01	59.79	-58.01	7.25	39.41	31.34	8.07	4.883		
605.05	603.70	601.49	600.93	4.05	4.03	60.11	-58.46	7.51	39.40	31.31	8.10	4.867 CC		
700.00	697.47	695.52	694.27	4.32	4.28	66.40	-68.28	13.32	39.91	31.28	8.62	4.628 ES		
800.00	795.62	794.64	792.19	4.65	4.58	73.18	-81.48	21.13	41.58	32.34	9.24	4.499		
900.00	893.06	893.84	889.60	5.01	4.92	79.63	-97.60	30.66	44.49	34.55	9.94	4.478		
1,000.00	989.64	993.12	986.38	5.42	5.29	85.39	-116.63	41.92	48.60	37.90	10.70	4.541		
1,044.50	1,032.32	1,037.32	1,029.20	5.61	5.46	87.68	-126.03	47.48	50.80	39.73	11.07	4.589		
1,100.00	1,085.43	1,092.48	1,082.41	5.86	5.69	89.77	-138.56	54.89	53.84	42.30	11.54	4.664		
1,200.00	1,181.11	1,191.90	1,177.56	6.33	6.13	90.47	-163.36	69.55	59.94	47.50	12.44	4.817		
1,300.00	1,276.80	1,291.17	1,271.51	6.81	6.60	88.12	-190.93	85.86	66.77	53.38	13.39	4.986		
1,400.00	1,372.49	1,390.04	1,363.93	7.31	7.11	83.67	-221.17	103.74	74.68	60.31	14.37	5.197		
1,500.00	1,468.17	1,488.39	1,454.60	7.83	7.66	77.97	-253.94	123.12	84.27	68.92	15.35	5.490		
1,600.00	1,563.86	1,587.44	1,545.37	8.35	8.24	72.66	-288.07	143.31	95.22	78.87	16.35	5.825		
1,700.00	1,659.55	1,686.50	1,636.14	8.88	8.83	68.47	-322.21	163.49	106.80	89.46	17.34	6.158		
1,800.00	1,755.23	1,785.55	1,726.91	9.42	9.45	65.11	-356.34	183.68	118.85	100.50	18.35	6.478		
1,900.00	1,850.92	1,884.61	1,817.68	9.97	10.07	62.38	-390.47	203.86	131.22	111.86	19.36	6.779		
2,000.00	1,946.61	1,983.66	1,908.45	10.52	10.70	60.12	-424.60	224.05	143.83	123.46	20.37	7.060		
2,100.00	2,042.29	2,082.71	1,999.22	11.07	11.34	58.22	-458.74	244.24	156.63	135.24	21.40	7.320		
2,200.00	2,137.98	2,181.77	2,090.00	11.63	11.99	56.61	-492.87	264.42	169.58	147.15	22.43	7.561		
2,300.00	2,233.67	2,280.82	2,180.77	12.19	12.65	55.23	-527.00	284.61	182.63	159.17	23.46	7.784		
2,400.00	2,329.35	2,379.88	2,271.54	12.76	13.31	54.04	-561.13	304.79	195.78	171.28	24.50	7.990		
2,500.00	2,425.04	2,478.93	2,362.31	13.32	13.97	52.99	-595.27	324.98	209.00	183.45	25.55	8.180		
2,600.00	2,520.72	2,577.99	2,453.08	13.89	14.64	52.07	-629.40	345.17	222.28	195.68	26.60	8.356		
2,700.00	2,616.41	2,677.04	2,543.85	14.46	15.31	51.26	-663.53	365.35	235.61	207.96	27.66	8.519		
2,800.00	2,712.10	2,776.10	2,634.62	15.03	15.98	50.53	-697.66	385.54	248.98	220.27	28.72	8.671		
2,900.00	2,807.78	2,875.15	2,725.39	15.60	16.66	49.87	-731.80	405.72	262.39	232.61	29.78	8.811		
3,000.00	2,903.47	2,974.21	2,816.16	16.18	17.34	49.28	-765.93	425.91	275.83	244.99	30.84	8.943		
3,100.00	2,999.16	3,073.26	2,906.93	16.75	18.02	48.75	-800.06	446.10	289.30	257.38	31.91	9.065		
3,200.00	3,094.84	3,172.32	2,997.70	17.33	18.70	48.26	-834.19	466.28	302.78	269.80	32.98	9.180		
3,300.00	3,190.53	3,271.37	3,088.47	17.90	19.38	47.81	-868.33	486.47	316.29	282.23	34.06	9.287		
3,400.00	3,286.22	3,370.43	3,179.24	18.48	20.07	47.40	-902.46	506.65	329.82	294.68	35.13	9.387		
3,500.00	3,381.90	3,469.48	3,270.01	19.06	20.75	47.02	-936.59	526.84	343.36	307.14	36.21	9.482		
3,600.00	3,477.59	3,568.53	3,360.79	19.64	21.44	46.67	-970.72	547.03	356.91	319.62	37.29	9.571		
3,700.00	3,573.28	3,667.59	3,451.56	20.22	22.13	46.35	-1,004.86	567.21	370.48	332.10	38.37	9.655		
3,800.00	3,668.96	3,766.64	3,542.33	20.80	22.82	46.05	-1,038.99	587.40	384.05	344.60	39.46	9.734		
3,900.00	3,764.65	3,865.70	3,633.10	21.38	23.51	45.77	-1,073.12	607.58	397.64	357.10	40.54	9.809		
4,000.00	3,860.33	3,964.75	3,723.87	21.96	24.20	45.51	-1,107.26	627.77	411.23	369.61	41.63	9.879		
4,100.00	3,956.02	4,063.81	3,814.64	22.54	24.89	45.26	-1,141.39	647.96	424.84	382.12	42.71	9.946		
4,200.00	4,051.71	4,162.86	3,905.41	23.13	25.58	45.03	-1,175.52	668.14	438.45	394.64	43.80	10.010		
4,300.00	4,147.39	4,261.92	3,996.18	23.71	26.28	44.82	-1,209.65	688.33	452.06	407.17	44.89	10.070		
4,400.00	4,243.08	4,360.97	4,086.95	24.29	26.97	44.61	-1,243.79	708.51	465.68	419.70	45.98	10.128		
4,500.00	4,338.77	4,460.03	4,177.72	24.88	27.66	44.42	-1,277.92	728.70	479.31	432.24	47.07	10.183		
4,600.00	4,434.45	4,559.08	4,268.49	25.46	28.36	44.24	-1,312.05	748.89	492.94	444.78	48.16	10.235		
4,700.00	4,530.14	4,658.14	4,359.26	26.04	29.05	44.07	-1,346.18	769.07	506.58	457.33	49.26	10.285		
4,800.00	4,625.83	4,757.19	4,450.03	26.63	29.75	43.91	-1,380.32	789.26	520.22	469.87	50.35	10.332		
4,900.00	4,721.51	4,856.25	4,540.81	27.21	30.44	43.75	-1,414.45	809.44	533.87	482.42	51.44	10.378		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,955.30	4,631.58	27.80	31.14	43.61	-1,448.58	829.63	547.52	494.98	52.54	10.421		
5,100.00	4,912.89	5,054.36	4,722.35	28.38	31.84	43.47	-1,482.71	849.82	561.17	507.54	53.63	10.463		
5,200.00	5,008.57	5,153.41	4,813.12	28.97	32.53	43.33	-1,516.85	870.00	574.82	520.09	54.73	10.503		
5,300.00	5,104.26	5,252.46	4,903.89	29.55	33.23	43.21	-1,550.98	890.19	588.48	532.66	55.83	10.541		
5,400.00	5,199.94	5,351.52	4,994.66	30.14	33.93	43.09	-1,585.11	910.37	602.14	545.22	56.92	10.578		
5,500.00	5,295.63	5,450.57	5,085.43	30.72	34.62	42.97	-1,619.24	930.56	615.81	557.79	58.02	10.613		
5,600.00	5,391.32	5,549.63	5,176.20	31.31	35.32	42.86	-1,653.38	950.75	629.47	570.35	59.12	10.647		
5,700.00	5,487.00	5,648.68	5,266.97	31.90	36.02	42.75	-1,687.51	970.93	643.14	582.92	60.22	10.680		
5,800.00	5,582.69	5,747.74	5,357.74	32.48	36.72	42.65	-1,721.64	991.12	656.81	595.49	61.32	10.712		
5,900.00	5,678.38	5,846.79	5,448.51	33.07	37.41	42.56	-1,755.77	1,011.30	670.48	608.07	62.42	10.742		
6,000.00	5,774.06	5,945.85	5,539.28	33.65	38.11	42.46	-1,789.91	1,031.49	684.16	620.64	63.52	10.771		
6,100.00	5,869.75	6,044.90	5,630.05	34.24	38.81	42.37	-1,824.04	1,051.68	697.83	633.22	64.62	10.799		
6,200.00	5,965.44	6,143.96	5,720.82	34.83	39.51	42.29	-1,858.17	1,071.86	711.51	645.79	65.72	10.827		
6,300.00	6,061.12	6,243.01	5,811.60	35.41	40.21	42.20	-1,892.31	1,092.05	725.19	658.37	66.82	10.853		
6,400.00	6,156.81	6,342.07	5,902.37	36.00	40.91	42.12	-1,926.44	1,112.23	738.87	670.95	67.92	10.878		
6,500.00	6,252.50	6,441.12	5,993.14	36.59	41.61	42.05	-1,960.57	1,132.42	752.55	683.53	69.02	10.903		
6,600.00	6,348.18	6,540.18	6,083.91	37.18	42.31	41.97	-1,994.70	1,152.61	766.23	696.11	70.12	10.927		
6,636.04	6,382.67	6,575.88	6,116.62	37.39	42.56	41.95	-2,007.01	1,159.88	771.17	700.64	70.52	10.935		
6,650.00	6,396.05	6,589.70	6,129.29	37.47	42.66	38.82	-2,011.77	1,162.70	773.07	702.40	70.67	10.939		
6,700.00	6,444.38	6,639.10	6,174.56	37.74	43.01	24.58	-2,028.79	1,172.76	779.86	708.70	71.15	10.960		
6,750.00	6,493.07	6,688.08	6,219.44	37.98	43.35	6.01	-2,045.67	1,182.75	786.58	715.03	71.55	10.993		
6,800.00	6,541.82	6,736.26	6,263.68	38.18	43.69	-13.76	-2,062.30	1,192.11	793.31	721.44	71.87	11.038		
6,850.00	6,590.35	6,784.78	6,308.71	38.35	43.99	-30.51	-2,079.21	1,198.35	800.11	727.94	72.17	11.087		
6,900.00	6,638.34	6,834.16	6,354.87	38.50	44.28	-42.84	-2,096.53	1,200.93	806.94	734.47	72.47	11.136		
6,950.00	6,685.50	6,884.48	6,401.96	38.64	44.52	-51.57	-2,114.18	1,199.61	813.75	740.98	72.77	11.182		
7,000.00	6,731.54	6,935.79	6,449.73	38.77	44.73	-57.80	-2,132.06	1,194.19	820.51	747.41	73.10	11.224		
7,050.00	6,776.18	6,988.15	6,497.90	38.90	44.91	-62.38	-2,150.08	1,184.44	827.17	753.71	73.46	11.261		
7,100.00	6,819.14	7,041.62	6,546.16	39.03	45.06	-65.85	-2,168.09	1,170.16	833.67	759.82	73.85	11.289		
7,150.00	6,860.16	7,096.23	6,594.12	39.16	45.19	-68.54	-2,185.98	1,151.16	839.96	765.68	74.27	11.309		
7,200.00	6,898.98	7,152.03	6,641.36	39.31	45.31	-70.70	-2,203.57	1,127.30	845.98	771.24	74.74	11.319		
7,250.00	6,935.36	7,209.03	6,687.43	39.47	45.41	-72.44	-2,220.70	1,098.46	851.68	776.43	75.26	11.317		
7,300.00	6,969.08	7,267.23	6,731.79	39.65	45.51	-73.88	-2,237.16	1,064.59	857.00	781.17	75.83	11.301		
7,350.00	6,999.94	7,326.63	6,773.88	39.85	45.62	-75.07	-2,252.74	1,025.73	861.89	785.41	76.48	11.269		
7,400.00	7,027.74	7,387.17	6,813.12	40.08	45.74	-76.06	-2,267.23	981.99	866.29	789.07	77.22	11.219		
7,450.00	7,052.31	7,448.81	6,848.90	40.34	45.88	-76.89	-2,280.40	933.59	870.13	792.08	78.06	11.147		
7,500.00	7,073.49	7,511.43	6,880.59	40.63	46.05	-77.57	-2,292.02	880.88	873.39	794.36	79.03	11.052		
7,550.00	7,091.17	7,574.91	6,907.62	40.95	46.26	-78.12	-2,301.87	824.31	876.00	795.86	80.13	10.932		
7,600.00	7,105.22	7,639.12	6,929.46	41.31	46.50	-78.55	-2,309.75	764.48	877.93	796.55	81.38	10.788		
7,650.00	7,115.57	7,703.87	6,945.66	41.71	46.80	-78.86	-2,315.51	702.09	879.16	796.39	82.77	10.622		
7,700.00	7,122.15	7,768.96	6,955.89	42.15	47.14	-79.07	-2,319.02	637.93	879.65	795.36	84.29	10.436		
7,750.00	7,124.91	7,834.20	6,959.94	42.62	47.55	-79.17	-2,320.21	572.85	879.41	793.50	85.91	10.237		
7,759.54	7,125.00	7,846.65	6,960.00	42.72	47.63	-79.18	-2,320.17	560.40	879.28	793.06	86.22	10.198		
7,800.00	7,125.10	7,886.04	6,960.11	43.13	47.91	-79.18	-2,320.02	521.01	878.72	791.49	87.23	10.074		
7,900.00	7,125.34	7,986.03	6,960.37	44.28	48.73	-79.16	-2,319.61	421.02	877.33	787.35	89.98	9.750		
8,000.00	7,125.58	8,086.02	6,960.62	45.61	49.72	-79.14	-2,319.20	321.03	875.94	782.96	92.99	9.420		
8,100.00	7,125.82	8,186.01	6,960.87	47.10	50.88	-79.13	-2,318.79	221.05	874.56	778.33	96.23	9.088		
8,200.00	7,126.06	8,286.00	6,961.12	48.72	52.22	-79.11	-2,318.38	121.06	873.17	773.49	99.68	8.760		
8,300.00	7,126.30	8,385.99	6,961.37	50.48	53.71	-79.09	-2,317.97	21.07	871.78	768.46	103.32	8.437		
8,400.00	7,126.54	8,485.98	6,961.63	52.34	55.35	-79.08	-2,317.56	-78.92	870.39	763.25	107.14	8.124		
8,500.00	7,126.78	8,585.97	6,961.88	54.30	57.12	-79.06	-2,317.15	-178.91	869.00	757.90	111.11	7.821		
8,600.00	7,127.02	8,685.96	6,962.13	56.35	59.00	-79.04	-2,316.74	-278.90	867.62	752.40	115.21	7.531		
8,700.00	7,127.26	8,785.95	6,962.38	58.47	60.98	-79.02	-2,316.33	-378.89	866.23	746.79	119.44	7.252		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	8,885.94	6,962.63	60.66	63.04	-79.01	-2,315.92	-478.88	864.84	741.06	123.78	6.987		
8,900.00	7,127.74	8,985.93	6,962.88	62.90	65.18	-78.99	-2,315.51	-578.87	863.45	735.23	128.22	6.734		
9,000.00	7,127.98	9,085.92	6,963.14	65.19	67.38	-78.97	-2,315.10	-678.85	862.07	729.32	132.75	6.494		
9,100.00	7,128.22	9,185.91	6,963.39	67.53	69.65	-78.96	-2,314.70	-778.84	860.68	723.32	137.35	6.266		
9,200.00	7,128.46	9,285.90	6,963.64	69.92	71.96	-78.94	-2,314.29	-878.83	859.29	717.26	142.03	6.050		
9,300.00	7,128.70	9,385.89	6,963.89	72.33	74.31	-78.92	-2,313.88	-978.82	857.90	711.13	146.78	5.845		
9,400.00	7,128.94	9,485.88	6,964.14	74.78	76.70	-78.90	-2,313.47	-1,078.81	856.52	704.93	151.58	5.650		
9,500.00	7,129.18	9,585.87	6,964.40	77.26	79.13	-78.89	-2,313.06	-1,178.80	855.13	698.69	156.44	5.466		
9,600.00	7,129.42	9,685.86	6,964.65	79.76	81.59	-78.87	-2,312.65	-1,278.79	853.74	692.40	161.35	5.291		
9,700.00	7,129.66	9,785.85	6,964.90	82.29	84.08	-78.85	-2,312.24	-1,378.78	852.36	686.06	166.30	5.125		
9,800.00	7,129.90	9,885.84	6,965.15	84.84	86.59	-78.83	-2,311.83	-1,478.77	850.97	679.68	171.29	4.968		
9,900.00	7,130.14	9,985.83	6,965.40	87.41	89.13	-78.82	-2,311.42	-1,578.75	849.58	673.27	176.32	4.818		
10,000.00	7,130.38	10,085.82	6,965.65	90.00	91.68	-78.80	-2,311.01	-1,678.74	848.20	666.82	181.38	4.676		
10,100.00	7,130.62	10,185.81	6,965.91	92.60	94.26	-78.78	-2,310.60	-1,778.73	846.81	660.34	186.47	4.541		
10,200.00	7,130.86	10,285.80	6,966.16	95.22	96.85	-78.76	-2,310.19	-1,878.72	845.42	653.83	191.59	4.413		
10,300.00	7,131.09	10,385.79	6,966.41	97.85	99.46	-78.75	-2,309.78	-1,978.71	844.04	647.30	196.74	4.290		
10,400.00	7,131.33	10,485.78	6,966.66	100.50	102.08	-78.73	-2,309.37	-2,078.70	842.65	640.74	201.91	4.173		
10,500.00	7,131.57	10,585.77	6,966.91	103.16	104.72	-78.71	-2,308.96	-2,178.69	841.26	634.16	207.11	4.062		
10,600.00	7,131.81	10,685.76	6,967.17	105.82	107.37	-78.69	-2,308.55	-2,278.68	839.88	627.56	212.32	3.956		
10,700.00	7,132.05	10,785.75	6,967.42	108.50	110.03	-78.67	-2,308.14	-2,378.67	838.49	620.94	217.55	3.854		
10,800.00	7,132.29	10,885.74	6,967.67	111.19	112.70	-78.66	-2,307.73	-2,478.65	837.11	614.30	222.81	3.757		
10,900.00	7,132.53	10,985.73	6,967.92	113.88	115.38	-78.64	-2,307.32	-2,578.64	835.72	607.65	228.07	3.664		
11,000.00	7,132.77	11,085.72	6,968.17	116.58	118.06	-78.62	-2,306.91	-2,678.63	834.34	600.98	233.36	3.575		
11,100.00	7,133.01	11,185.71	6,968.43	119.29	120.76	-78.60	-2,306.51	-2,778.62	832.95	594.30	238.65	3.490		
11,200.00	7,133.25	11,285.70	6,968.68	122.01	123.46	-78.58	-2,306.10	-2,878.61	831.56	587.60	243.96	3.409		
11,300.00	7,133.49	11,385.69	6,968.93	124.73	126.18	-78.56	-2,305.69	-2,978.60	830.18	580.90	249.28	3.330		
11,400.00	7,133.73	11,485.68	6,969.18	127.46	128.89	-78.55	-2,305.28	-3,078.59	828.79	574.18	254.62	3.255		
11,500.00	7,133.97	11,585.67	6,969.43	130.19	131.62	-78.53	-2,304.87	-3,178.58	827.41	567.45	259.96	3.183		
11,600.00	7,134.21	11,685.66	6,969.68	132.93	134.35	-78.51	-2,304.46	-3,278.57	826.02	560.71	265.31	3.113		
11,700.00	7,134.45	11,785.65	6,969.94	135.68	137.09	-78.49	-2,304.05	-3,378.55	824.64	553.96	270.68	3.047		
11,800.00	7,134.69	11,885.64	6,970.19	138.43	139.83	-78.47	-2,303.64	-3,478.54	823.25	547.20	276.05	2.982		
11,900.00	7,134.93	11,985.63	6,970.44	141.18	142.57	-78.45	-2,303.23	-3,578.53	821.87	540.44	281.43	2.920		
12,000.00	7,135.17	12,085.63	6,970.69	143.94	145.32	-78.43	-2,302.82	-3,678.52	820.48	533.66	286.82	2.861		
12,100.00	7,135.41	12,185.62	6,970.94	146.70	148.08	-78.41	-2,302.41	-3,778.51	819.10	526.88	292.21	2.803		
12,200.00	7,135.65	12,285.61	6,971.20	149.46	150.84	-78.39	-2,302.00	-3,878.50	817.71	520.10	297.62	2.748		
12,300.00	7,135.89	12,385.60	6,971.45	152.23	153.60	-78.38	-2,301.59	-3,978.49	816.33	513.30	303.02	2.694		
12,400.00	7,136.13	12,485.59	6,971.70	155.00	156.37	-78.36	-2,301.18	-4,078.48	814.94	506.50	308.44	2.642		
12,500.00	7,136.37	12,585.58	6,971.95	157.78	159.13	-78.34	-2,300.77	-4,178.47	813.56	499.70	313.86	2.592		
12,600.00	7,136.61	12,685.57	6,972.20	160.55	161.91	-78.32	-2,300.36	-4,278.45	812.17	492.89	319.28	2.544		
12,700.00	7,136.85	12,785.56	6,972.45	163.33	164.68	-78.30	-2,299.95	-4,378.44	810.79	486.08	324.71	2.497		
12,800.00	7,137.09	12,885.55	6,972.71	166.12	167.46	-78.28	-2,299.54	-4,478.43	809.41	479.26	330.15	2.452		
12,900.00	7,137.33	12,985.54	6,972.96	168.90	170.24	-78.26	-2,299.13	-4,578.42	808.02	472.43	335.59	2.408		
12,926.22	7,137.39	13,011.75	6,973.02	169.63	170.97	-78.25	-2,299.03	-4,604.63	807.66	470.64	337.02	2.397 SF		
13,000.00	7,137.57	13,002.01	6,973.00	171.69	170.70	-78.26	-2,299.07	-4,594.90	810.95	474.47	336.48	2.410		
13,100.00	7,137.81	13,002.01	6,973.00	174.48	170.70	-78.26	-2,299.07	-4,594.90	825.90	493.70	332.20	2.486		
13,200.00	7,138.05	13,002.01	6,973.00	177.27	170.70	-78.26	-2,299.07	-4,594.90	852.39	528.47	323.92	2.631		
13,300.00	7,138.29	13,002.01	6,973.00	180.07	170.70	-78.26	-2,299.07	-4,594.90	889.41	576.73	312.68	2.845		
13,400.00	7,138.53	13,002.01	6,973.00	182.86	170.70	-78.26	-2,299.07	-4,594.90	935.69	636.10	299.59	3.123		
13,500.00	7,138.77	13,002.01	6,973.00	185.66	170.70	-78.26	-2,299.07	-4,594.90	989.94	704.27	285.67	3.465		
13,600.00	7,139.01	13,002.01	6,973.00	188.46	170.70	-78.26	-2,299.07	-4,594.90	1,050.93	779.27	271.66	3.868		
13,700.00	7,139.25	13,002.01	6,973.00	191.26	170.70	-78.26	-2,299.07	-4,594.90	1,117.55	859.46	258.09	4.330		
13,800.00	7,139.49	13,002.01	6,973.00	194.06	170.70	-78.26	-2,299.07	-4,594.90	1,188.86	943.59	245.27	4.847		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	13,002.01	6,973.00	196.87	170.70	-78.26	-2,299.07	-4,594.90	1,264.06	1,030.71	233.36	5.417		
14,000.00	7,139.97	13,002.01	6,973.00	199.68	170.70	-78.26	-2,299.07	-4,594.90	1,342.51	1,120.10	222.40	6.036		
14,100.00	7,140.21	13,002.01	6,973.00	202.48	170.70	-78.26	-2,299.07	-4,594.90	1,423.65	1,211.25	212.41	6.703		
14,200.00	7,140.45	13,002.01	6,973.00	205.29	170.70	-78.26	-2,299.07	-4,594.90	1,507.07	1,303.76	203.32	7.412		
14,300.00	7,140.69	13,002.01	6,973.00	208.10	170.70	-78.26	-2,299.07	-4,594.90	1,592.40	1,397.33	195.07	8.163		
14,400.00	7,140.93	13,002.01	6,973.00	210.91	170.70	-78.26	-2,299.07	-4,594.90	1,679.34	1,491.75	187.60	8.952		
14,500.00	7,141.17	13,002.01	6,973.00	213.73	170.70	-78.26	-2,299.07	-4,594.90	1,767.67	1,586.84	180.83	9.775		
14,600.00	7,141.41	13,002.01	6,973.00	216.54	170.70	-78.26	-2,299.07	-4,594.90	1,857.18	1,682.49	174.69	10.631		
14,700.00	7,141.65	13,002.01	6,973.00	219.36	170.70	-78.26	-2,299.07	-4,594.90	1,947.72	1,778.60	169.12	11.517		
14,800.00	7,141.89	13,002.01	6,973.00	222.17	170.70	-78.26	-2,299.07	-4,594.90	2,039.14	1,875.08	164.06	12.430		
14,900.00	7,142.13	13,002.01	6,973.00	224.99	170.70	-78.26	-2,299.07	-4,594.90	2,131.32	1,971.88	159.45	13.367		
15,000.00	7,142.36	13,002.01	6,973.00	227.81	170.70	-78.26	-2,299.07	-4,594.90	2,224.19	2,068.94	155.24	14.327		
15,100.00	7,142.60	13,002.01	6,973.00	230.63	170.70	-78.26	-2,299.07	-4,594.90	2,317.64	2,166.24	151.40	15.308		
15,200.00	7,142.84	13,002.01	6,973.00	233.45	170.70	-78.26	-2,299.07	-4,594.90	2,411.63	2,263.73	147.89	16.307		
15,300.00	7,143.08	13,002.01	6,973.00	236.27	170.70	-78.26	-2,299.07	-4,594.90	2,506.08	2,361.40	144.67	17.322		
15,400.00	7,143.32	13,002.01	6,973.00	239.09	170.70	-78.26	-2,299.07	-4,594.90	2,600.94	2,459.22	141.72	18.353		
15,500.00	7,143.56	13,002.01	6,973.00	241.91	170.70	-78.26	-2,299.07	-4,594.90	2,696.17	2,557.17	139.00	19.397		
15,600.00	7,143.80	13,002.01	6,973.00	244.73	170.70	-78.26	-2,299.07	-4,594.90	2,791.74	2,655.25	136.50	20.453		
15,700.00	7,144.04	13,002.01	6,973.00	247.56	170.70	-78.26	-2,299.07	-4,594.90	2,887.61	2,753.42	134.19	21.519		
15,800.00	7,144.28	13,002.01	6,973.00	250.38	170.70	-78.26	-2,299.07	-4,594.90	2,983.75	2,851.70	132.05	22.595		
15,900.00	7,144.52	13,002.01	6,973.00	253.21	170.70	-78.26	-2,299.07	-4,594.90	3,080.13	2,950.06	130.08	23.679		
16,000.00	7,144.76	13,002.01	6,973.00	256.03	170.70	-78.26	-2,299.07	-4,594.90	3,176.74	3,048.50	128.25	24.771		
16,100.00	7,145.00	13,002.01	6,973.00	258.86	170.70	-78.26	-2,299.07	-4,594.90	3,273.56	3,147.01	126.55	25.868		
16,200.00	7,145.24	13,002.01	6,973.00	261.69	170.70	-78.26	-2,299.07	-4,594.90	3,370.55	3,245.59	124.97	26.971		
16,300.00	7,145.48	13,002.01	6,973.00	264.52	170.70	-78.26	-2,299.07	-4,594.90	3,467.72	3,344.22	123.50	28.079		
16,400.00	7,145.72	13,002.01	6,973.00	267.35	170.70	-78.26	-2,299.07	-4,594.90	3,565.05	3,442.92	122.13	29.191		
16,500.00	7,145.96	13,002.01	6,973.00	270.18	170.70	-78.26	-2,299.07	-4,594.90	3,662.52	3,541.66	120.85	30.305		
16,600.00	7,146.20	13,002.01	6,973.00	273.01	170.70	-78.26	-2,299.07	-4,594.90	3,760.12	3,640.46	119.66	31.423		
16,700.00	7,146.44	13,002.01	6,973.00	275.84	170.70	-78.26	-2,299.07	-4,594.90	3,857.85	3,739.30	118.55	32.543		
16,800.00	7,146.68	13,002.01	6,973.00	278.67	170.70	-78.26	-2,299.07	-4,594.90	3,955.68	3,838.18	117.51	33.664		
16,900.00	7,146.92	13,002.01	6,973.00	281.50	170.70	-78.26	-2,299.07	-4,594.90	4,053.63	3,937.10	116.53	34.786		
17,000.00	7,147.16	13,002.01	6,973.00	284.33	170.70	-78.26	-2,299.07	-4,594.90	4,151.67	4,036.06	115.61	35.910		
17,100.00	7,147.40	13,002.01	6,973.00	287.16	170.70	-78.26	-2,299.07	-4,594.90	4,249.81	4,135.05	114.76	37.033		
17,200.00	7,147.64	13,002.01	6,973.00	290.00	170.70	-78.26	-2,299.07	-4,594.90	4,348.02	4,234.07	113.95	38.157		
17,300.00	7,147.88	13,002.01	6,973.00	292.83	170.70	-78.26	-2,299.07	-4,594.90	4,446.32	4,333.13	113.19	39.281		
17,400.00	7,148.12	13,002.01	6,973.00	295.66	170.70	-78.26	-2,299.07	-4,594.90	4,544.70	4,432.21	112.48	40.404		
17,500.00	7,148.36	13,002.01	6,973.00	298.50	170.70	-78.26	-2,299.07	-4,594.90	4,643.14	4,531.33	111.81	41.527		
17,600.00	7,148.60	13,002.01	6,973.00	301.33	170.70	-78.26	-2,299.07	-4,594.90	4,741.64	4,630.46	111.18	42.648		
17,700.00	7,148.84	13,002.01	6,973.00	304.17	170.70	-78.26	-2,299.07	-4,594.90	4,840.21	4,729.63	110.59	43.769		
17,800.00	7,149.08	13,002.01	6,973.00	307.00	170.70	-78.26	-2,299.07	-4,594.90	4,938.84	4,828.81	110.03	44.888		
17,900.00	7,149.32	13,002.01	6,973.00	309.84	170.70	-78.26	-2,299.07	-4,594.90	5,037.52	4,928.02	109.50	46.006		
18,000.00	7,149.56	13,002.01	6,973.00	312.68	170.70	-78.26	-2,299.07	-4,594.90	5,136.25	5,027.25	109.00	47.122		
18,100.00	7,149.80	13,002.01	6,973.00	315.51	170.70	-78.26	-2,299.07	-4,594.90	5,235.03	5,126.50	108.53	48.236		
18,200.00	7,150.04	13,002.01	6,973.00	318.35	170.70	-78.26	-2,299.07	-4,594.90	5,333.85	5,225.77	108.09	49.349		
18,300.00	7,150.28	13,002.01	6,973.00	321.19	170.70	-78.26	-2,299.07	-4,594.90	5,432.72	5,325.06	107.67	50.459		
18,400.00	7,150.52	13,002.01	6,973.00	324.03	170.70	-78.26	-2,299.07	-4,594.90	5,531.63	5,424.36	107.27	51.567		
18,500.00	7,150.76	13,002.01	6,973.00	326.86	170.70	-78.26	-2,299.07	-4,594.90	5,630.58	5,523.68	106.90	52.674		
18,600.00	7,151.00	13,002.01	6,973.00	329.70	170.70	-78.26	-2,299.07	-4,594.90	5,729.56	5,623.02	106.54	53.777		
18,700.00	7,151.24	13,002.01	6,973.00	332.54	170.70	-78.26	-2,299.07	-4,594.90	5,828.58	5,722.37	106.21	54.879		
18,800.00	7,151.48	13,002.01	6,973.00	335.38	170.70	-78.26	-2,299.07	-4,594.90	5,927.63	5,821.74	105.89	55.978		
18,900.00	7,151.72	13,002.01	6,973.00	338.22	170.70	-78.26	-2,299.07	-4,594.90	6,026.71	5,921.12	105.59	57.075		
19,000.00	7,151.96	13,002.01	6,973.00	341.06	170.70	-78.26	-2,299.07	-4,594.90	6,125.83	6,020.52	105.31	58.169		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	13,002.01	6,973.00	341.58	170.70	-78.26	-2,299.07	-4,594.90	6,143.97	6,038.70	105.26	58.369	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-59.75	-0.56	59.75					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-59.75	-0.56	59.75	53.18	6.57	9.095		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-59.75	-0.56	59.75	53.07	6.67	8.952 CC, ES		
300.00	299.98	298.20	298.19	3.44	3.44	43.63	-61.23	0.24	59.98	53.09	6.89	8.710		
400.00	399.84	396.40	396.25	3.59	3.59	44.64	-65.67	2.64	60.69	53.49	7.20	8.426		
500.00	499.45	494.58	494.06	3.80	3.78	46.27	-73.07	6.62	61.91	54.29	7.62	8.129		
600.00	598.70	592.73	591.50	4.04	4.02	48.45	-83.41	12.19	63.70	55.59	8.11	7.851		
700.00	697.47	690.84	688.45	4.32	4.29	51.06	-96.67	19.34	66.13	57.45	8.68	7.617		
800.00	795.62	788.91	784.78	4.65	4.61	53.99	-112.85	28.06	69.27	59.96	9.31	7.437		
900.00	893.06	886.93	880.37	5.01	4.96	57.09	-131.90	38.33	73.19	63.18	10.01	7.314		
1,000.00	989.64	984.89	975.11	5.42	5.35	60.26	-153.81	50.13	77.95	67.18	10.77	7.241		
1,044.50	1,032.32	1,028.46	1,016.97	5.61	5.53	61.67	-164.47	55.88	80.34	69.22	11.12	7.224		
1,100.00	1,085.43	1,082.79	1,068.88	5.86	5.77	63.12	-178.54	63.46	83.83	72.24	11.59	7.235		
1,200.00	1,181.11	1,180.53	1,161.49	6.33	6.23	64.19	-206.03	78.27	91.88	79.43	12.46	7.375		
1,300.00	1,276.80	1,277.89	1,252.64	6.81	6.73	63.63	-236.16	94.51	102.12	88.76	13.36	7.641		
1,400.00	1,372.49	1,374.66	1,342.02	7.31	7.26	61.91	-268.79	112.10	114.58	100.30	14.29	8.019		
1,500.00	1,468.17	1,472.69	1,431.57	7.83	7.83	59.67	-303.90	131.02	128.89	113.66	15.24	8.460		
1,600.00	1,563.86	1,571.52	1,521.79	8.35	8.43	57.83	-339.42	150.16	143.48	127.27	16.21	8.850		
1,700.00	1,659.55	1,670.36	1,612.01	8.88	9.05	56.32	-374.95	169.30	158.18	140.98	17.20	9.194		
1,800.00	1,755.23	1,769.19	1,702.23	9.42	9.68	55.07	-410.47	188.45	172.97	154.76	18.21	9.499		
1,900.00	1,850.92	1,868.03	1,792.46	9.97	10.31	54.02	-446.00	207.59	187.83	168.61	19.23	9.769		
2,000.00	1,946.61	1,966.86	1,882.68	10.52	10.96	53.12	-481.52	226.74	202.75	182.49	20.26	10.009		
2,100.00	2,042.29	2,065.70	1,972.90	11.07	11.61	52.35	-517.05	245.88	217.70	196.41	21.29	10.224		
2,200.00	2,137.98	2,164.54	2,063.12	11.63	12.27	51.67	-552.57	265.02	232.69	210.35	22.34	10.417		
2,300.00	2,233.67	2,263.37	2,153.34	12.19	12.94	51.08	-588.09	284.17	247.71	224.32	23.39	10.591		
2,400.00	2,329.35	2,362.21	2,243.56	12.76	13.61	50.55	-623.62	303.31	262.75	238.30	24.45	10.748		
2,500.00	2,425.04	2,461.04	2,333.79	13.32	14.28	50.08	-659.14	322.46	277.80	252.30	25.51	10.891		
2,600.00	2,520.72	2,559.88	2,424.01	13.89	14.96	49.66	-694.67	341.60	292.88	266.30	26.58	11.021		
2,700.00	2,616.41	2,658.71	2,514.23	14.46	15.63	49.28	-730.19	360.74	307.97	280.32	27.65	11.139		
2,800.00	2,712.10	2,757.55	2,604.45	15.03	16.32	48.94	-765.72	379.89	323.07	294.35	28.72	11.248		
2,900.00	2,807.78	2,856.38	2,694.67	15.60	17.00	48.63	-801.24	399.03	338.18	308.38	29.80	11.348		
3,000.00	2,903.47	2,955.22	2,784.90	16.18	17.68	48.34	-836.77	418.18	353.30	322.42	30.88	11.440		
3,100.00	2,999.16	3,054.05	2,875.12	16.75	18.37	48.08	-872.29	437.32	368.43	336.46	31.97	11.525		
3,200.00	3,094.84	3,152.89	2,965.34	17.33	19.06	47.84	-907.81	456.46	383.57	350.51	33.06	11.604		
3,300.00	3,190.53	3,251.73	3,055.56	17.90	19.75	47.61	-943.34	475.61	398.71	364.56	34.14	11.677		
3,400.00	3,286.22	3,350.56	3,145.78	18.48	20.44	47.41	-978.86	494.75	413.85	378.62	35.24	11.745		
3,500.00	3,381.90	3,449.40	3,236.01	19.06	21.13	47.21	-1,014.39	513.90	429.01	392.68	36.33	11.809		
3,600.00	3,477.59	3,548.23	3,326.23	19.64	21.83	47.03	-1,049.91	533.04	444.16	406.74	37.42	11.868		
3,700.00	3,573.28	3,647.07	3,416.45	20.22	22.52	46.87	-1,085.44	552.18	459.32	420.80	38.52	11.924		
3,800.00	3,668.96	3,745.90	3,506.67	20.80	23.21	46.71	-1,120.96	571.33	474.49	434.87	39.62	11.976		
3,900.00	3,764.65	3,844.74	3,596.89	21.38	23.91	46.56	-1,156.49	590.47	489.65	448.94	40.72	12.026		
4,000.00	3,860.33	3,943.57	3,687.11	21.96	24.61	46.42	-1,192.01	609.62	504.83	463.01	41.82	12.072		
4,100.00	3,956.02	4,042.41	3,777.34	22.54	25.30	46.29	-1,227.53	628.76	520.00	477.08	42.92	12.116		
4,200.00	4,051.71	4,141.25	3,867.56	23.13	26.00	46.17	-1,263.06	647.90	535.17	491.15	44.02	12.157		
4,300.00	4,147.39	4,240.08	3,957.78	23.71	26.70	46.05	-1,298.58	667.05	550.35	505.23	45.13	12.196		
4,400.00	4,243.08	4,338.92	4,048.00	24.29	27.40	45.94	-1,334.11	686.19	565.53	519.30	46.23	12.233		
4,500.00	4,338.77	4,437.75	4,138.22	24.88	28.10	45.84	-1,369.63	705.33	580.71	533.38	47.34	12.268		
4,600.00	4,434.45	4,536.59	4,228.45	25.46	28.80	45.74	-1,405.16	724.48	595.90	547.45	48.44	12.301		
4,700.00	4,530.14	4,635.42	4,318.67	26.04	29.50	45.65	-1,440.68	743.62	611.08	561.53	49.55	12.333		
4,800.00	4,625.83	4,734.26	4,408.89	26.63	30.20	45.56	-1,476.21	762.77	626.27	575.61	50.66	12.363		
4,900.00	4,721.51	4,833.09	4,499.11	27.21	30.90	45.47	-1,511.73	781.91	641.46	589.69	51.76	12.392		
5,000.00	4,817.20	4,931.93	4,589.33	27.80	31.60	45.39	-1,547.25	801.05	656.65	603.77	52.87	12.419		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,030.76	4,679.55	28.38	32.30	45.31	-1,582.78	820.20	671.84	617.85	53.98	12.445		
5,200.00	5,008.57	5,129.60	4,769.78	28.97	33.00	45.24	-1,618.30	839.34	687.03	631.94	55.09	12.470		
5,300.00	5,104.26	5,228.44	4,860.00	29.55	33.70	45.17	-1,653.83	858.49	702.22	646.02	56.20	12.494		
5,400.00	5,199.94	5,327.27	4,950.22	30.14	34.40	45.10	-1,689.35	877.63	717.41	660.10	57.31	12.517		
5,500.00	5,295.63	5,426.11	5,040.44	30.72	35.10	45.03	-1,724.88	896.77	732.61	674.18	58.43	12.539		
5,600.00	5,391.32	5,524.94	5,130.66	31.31	35.81	44.97	-1,760.40	915.92	747.81	688.27	59.54	12.560		
5,700.00	5,487.00	5,623.78	5,220.89	31.90	36.51	44.91	-1,795.93	935.06	763.00	702.35	60.65	12.581		
5,800.00	5,582.69	5,722.61	5,311.11	32.48	37.21	44.85	-1,831.45	954.21	778.20	716.44	61.76	12.600		
5,900.00	5,678.38	5,821.45	5,401.33	33.07	37.91	44.80	-1,866.97	973.35	793.40	730.52	62.87	12.619		
6,000.00	5,774.06	5,920.28	5,491.55	33.65	38.62	44.75	-1,902.50	992.49	808.60	744.61	63.99	12.637		
6,100.00	5,869.75	6,019.12	5,581.77	34.24	39.32	44.69	-1,938.02	1,011.64	823.80	758.69	65.10	12.654		
6,200.00	5,965.44	6,117.96	5,671.99	34.83	40.02	44.64	-1,973.55	1,030.78	839.00	772.78	66.22	12.671		
6,300.00	6,061.12	6,216.79	5,762.22	35.41	40.73	44.60	-2,009.07	1,049.93	854.20	786.87	67.33	12.687		
6,400.00	6,156.81	6,315.63	5,852.44	36.00	41.43	44.55	-2,044.60	1,069.07	869.40	800.95	68.44	12.702		
6,500.00	6,252.50	6,414.46	5,942.66	36.59	42.13	44.51	-2,080.12	1,088.21	884.60	815.04	69.56	12.717		
6,600.00	6,348.18	6,513.30	6,032.88	37.18	42.84	44.46	-2,115.65	1,107.36	899.80	829.13	70.67	12.732		
6,636.04	6,382.67	6,548.92	6,065.40	37.39	43.09	44.45	-2,128.45	1,114.26	905.28	834.20	71.08	12.737		
6,650.00	6,396.05	6,562.71	6,077.99	37.47	43.19	41.34	-2,133.41	1,116.93	907.39	836.16	71.23	12.739		
6,700.00	6,444.38	6,612.03	6,123.01	37.74	43.54	27.21	-2,151.14	1,126.48	914.80	843.08	71.72	12.754		
6,750.00	6,493.07	6,660.98	6,167.69	37.98	43.89	8.77	-2,168.73	1,135.96	921.96	849.82	72.14	12.780		
6,800.00	6,541.82	6,709.24	6,211.75	38.18	44.23	-10.90	-2,186.07	1,145.31	928.93	856.44	72.48	12.816		
6,850.00	6,590.35	6,756.52	6,254.91	38.35	44.57	-27.71	-2,203.07	1,154.47	935.78	863.02	72.76	12.861		
6,900.00	6,638.34	6,802.54	6,296.91	38.50	44.90	-40.28	-2,219.61	1,163.38	942.65	869.67	72.98	12.916		
6,950.00	6,685.50	6,847.00	6,337.50	38.64	45.21	-49.36	-2,235.59	1,171.99	949.71	876.55	73.16	12.982		
7,000.00	6,731.54	6,889.63	6,376.42	38.77	45.52	-56.03	-2,250.91	1,180.25	957.14	883.84	73.30	13.058		
7,050.00	6,776.18	6,930.41	6,413.64	38.90	45.81	-61.08	-2,265.57	1,188.15	965.14	891.72	73.41	13.147		
7,100.00	6,819.14	6,975.04	6,454.66	39.03	46.11	-65.16	-2,281.71	1,195.08	973.79	900.19	73.60	13.232		
7,150.00	6,860.16	7,021.99	6,498.19	39.16	46.40	-68.49	-2,298.82	1,199.02	983.02	909.17	73.84	13.312		
7,200.00	6,898.98	7,071.74	6,544.49	39.31	46.67	-71.30	-2,316.99	1,199.42	992.76	918.61	74.15	13.389		
7,250.00	6,935.36	7,124.86	6,593.80	39.47	46.91	-73.75	-2,336.32	1,195.56	1,002.95	928.43	74.51	13.460		
7,300.00	6,969.08	7,182.05	6,646.36	39.65	47.13	-75.96	-2,356.90	1,186.49	1,013.47	938.54	74.92	13.527		
7,350.00	6,999.94	7,244.18	6,702.36	39.85	47.33	-78.01	-2,378.79	1,170.94	1,024.18	948.82	75.36	13.590		
7,400.00	7,027.74	7,312.28	6,761.82	40.08	47.49	-79.95	-2,401.98	1,147.25	1,034.91	959.10	75.81	13.651		
7,450.00	7,052.31	7,387.58	6,824.40	40.34	47.64	-81.83	-2,426.34	1,113.31	1,045.42	969.15	76.27	13.707		
7,500.00	7,073.49	7,471.38	6,889.15	40.63	47.78	-83.65	-2,451.47	1,066.52	1,055.40	978.66	76.74	13.753		
7,550.00	7,091.17	7,564.95	6,953.99	40.95	47.93	-85.40	-2,476.55	1,004.02	1,064.49	987.18	77.31	13.769		
7,600.00	7,105.22	7,669.13	7,015.31	41.31	48.13	-87.01	-2,500.14	923.32	1,072.24	994.10	78.14	13.722		
7,650.00	7,115.57	7,783.79	7,067.67	41.71	48.41	-88.36	-2,520.10	823.46	1,078.16	998.67	79.49	13.563		
7,700.00	7,122.15	7,907.20	7,104.47	42.15	48.84	-89.31	-2,533.85	706.67	1,081.76	1,000.15	81.61	13.255		
7,750.00	7,124.91	8,035.77	7,119.79	42.62	49.45	-89.72	-2,539.11	579.34	1,082.71	998.13	84.58	12.801		
7,759.54	7,125.00	7,759.54	7,119.58	42.72	48.20	-89.71	-2,539.01	577.08	1,082.55	1,001.16	81.39	13.301		
7,764.49	7,125.02	8,057.66	7,120.08	42.77	49.57	-89.74	-2,539.09	557.46	1,082.52	997.39	85.13	12.716		
7,800.00	7,125.10	8,093.17	7,120.37	43.13	49.78	-89.75	-2,538.99	521.95	1,082.07	996.05	86.02	12.580		
7,900.00	7,125.34	8,206.84	7,121.18	44.28	50.59	-89.78	-2,538.72	421.97	1,080.79	991.87	88.92	12.155		
8,000.00	7,125.58	8,306.85	7,121.99	45.61	51.46	-89.81	-2,538.44	321.98	1,079.51	987.59	91.92	11.744		
8,100.00	7,125.82	8,406.86	7,122.81	47.10	52.50	-89.84	-2,538.17	221.99	1,078.23	983.07	95.17	11.330		
8,200.00	7,126.06	8,506.87	7,123.62	48.72	53.72	-89.87	-2,537.89	122.01	1,076.96	978.32	98.64	10.918		
8,300.00	7,126.30	8,606.88	7,124.43	50.48	55.11	-89.90	-2,537.62	22.02	1,075.68	973.37	102.31	10.514		
8,400.00	7,126.54	8,706.89	7,125.25	52.34	56.65	-89.93	-2,537.34	-77.97	1,074.40	968.23	106.17	10.120		
8,500.00	7,126.78	8,806.90	7,126.06	54.30	58.34	-89.96	-2,537.07	-177.95	1,073.13	962.94	110.18	9.740		
8,600.00	7,127.02	8,906.91	7,126.88	56.35	60.14	-89.99	-2,536.79	-277.94	1,071.85	957.51	114.34	9.374		
8,700.00	7,127.26	9,006.92	7,127.69	58.47	62.06	-90.02	-2,536.52	-377.93	1,070.57	951.94	118.63	9.024		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	9,106.93	7,128.50	60.66	64.07	-90.05	-2,536.24	-477.91	1,069.30	946.26	123.04	8.691		
8,900.00	7,127.74	9,206.94	7,129.32	62.90	66.16	-90.08	-2,535.97	-577.90	1,068.02	940.48	127.54	8.374		
9,000.00	7,127.98	9,306.95	7,130.13	65.19	68.31	-90.11	-2,535.69	-677.89	1,066.75	934.60	132.14	8.073		
9,100.00	7,128.22	9,406.96	7,130.94	67.53	70.53	-90.14	-2,535.42	-777.87	1,065.47	928.64	136.83	7.787		
9,200.00	7,128.46	9,506.97	7,131.76	69.92	72.81	-90.18	-2,535.15	-877.86	1,064.20	922.61	141.59	7.516		
9,300.00	7,128.70	9,606.98	7,132.57	72.33	75.13	-90.21	-2,534.87	-977.85	1,062.92	916.51	146.42	7.260		
9,400.00	7,128.94	9,706.99	7,133.38	74.78	77.49	-90.24	-2,534.60	-1,077.83	1,061.65	910.34	151.31	7.017		
9,500.00	7,129.18	9,793.00	7,134.20	77.26	79.56	-90.27	-2,534.32	-1,177.82	1,060.37	904.47	155.90	6.801		
9,600.00	7,129.42	9,907.01	7,135.01	79.76	82.33	-90.30	-2,534.05	-1,277.81	1,059.10	897.86	161.25	6.568		
9,700.00	7,129.66	10,007.02	7,135.82	82.29	84.79	-90.33	-2,533.77	-1,377.79	1,057.83	891.54	166.29	6.361		
9,800.00	7,129.90	10,107.03	7,136.64	84.84	87.28	-90.36	-2,533.50	-1,477.78	1,056.56	885.18	171.37	6.165		
9,900.00	7,130.14	10,207.04	7,137.45	87.41	89.80	-90.40	-2,533.22	-1,577.76	1,055.28	878.79	176.49	5.979		
10,000.00	7,130.38	10,307.05	7,138.27	90.00	92.34	-90.43	-2,532.95	-1,677.75	1,054.01	872.36	181.65	5.802		
10,100.00	7,130.62	10,407.06	7,139.08	92.60	94.89	-90.46	-2,532.67	-1,777.74	1,052.74	865.90	186.84	5.634		
10,200.00	7,130.86	10,507.07	7,139.89	95.22	97.47	-90.49	-2,532.40	-1,877.72	1,051.47	859.41	192.06	5.475		
10,300.00	7,131.09	10,607.08	7,140.71	97.85	100.06	-90.52	-2,532.12	-1,977.71	1,050.20	852.90	197.30	5.323		
10,400.00	7,131.33	10,707.09	7,141.52	100.50	102.67	-90.55	-2,531.85	-2,077.70	1,048.93	846.35	202.57	5.178		
10,500.00	7,131.57	10,807.10	7,142.33	103.16	105.29	-90.59	-2,531.58	-2,177.68	1,047.66	839.79	207.87	5.040		
10,600.00	7,131.81	10,907.11	7,143.15	105.82	107.93	-90.62	-2,531.30	-2,277.67	1,046.39	833.20	213.18	4.908		
10,700.00	7,132.05	11,007.12	7,143.96	108.50	110.57	-90.65	-2,531.03	-2,377.66	1,045.12	826.60	218.52	4.783		
10,800.00	7,132.29	11,107.13	7,144.77	111.19	113.23	-90.68	-2,530.75	-2,477.64	1,043.85	819.98	223.87	4.663		
10,900.00	7,132.53	11,207.14	7,145.59	113.88	115.90	-90.72	-2,530.48	-2,577.63	1,042.58	813.34	229.24	4.548		
11,000.00	7,132.77	11,307.15	7,146.40	116.58	118.58	-90.75	-2,530.20	-2,677.62	1,041.31	806.68	234.63	4.438		
11,100.00	7,133.01	11,407.16	7,147.21	119.29	121.26	-90.78	-2,529.93	-2,777.60	1,040.04	800.01	240.03	4.333		
11,200.00	7,133.25	11,507.17	7,148.03	122.01	123.96	-90.81	-2,529.65	-2,877.59	1,038.77	793.33	245.44	4.232		
11,300.00	7,133.49	11,607.18	7,148.84	124.73	126.66	-90.85	-2,529.38	-2,977.58	1,037.50	786.64	250.87	4.136		
11,400.00	7,133.73	11,707.18	7,149.66	127.46	129.37	-90.88	-2,529.10	-3,077.56	1,036.24	779.93	256.31	4.043		
11,500.00	7,133.97	11,807.19	7,150.47	130.19	132.08	-90.91	-2,528.83	-3,177.55	1,034.97	773.21	261.76	3.954		
11,600.00	7,134.21	11,907.20	7,151.28	132.93	134.81	-90.94	-2,528.55	-3,277.54	1,033.70	766.48	267.22	3.868		
11,700.00	7,134.45	12,007.21	7,152.10	135.68	137.53	-90.98	-2,528.28	-3,377.52	1,032.44	759.74	272.69	3.786		
11,800.00	7,134.69	12,107.22	7,152.91	138.43	140.27	-91.01	-2,528.00	-3,477.51	1,031.17	753.00	278.17	3.707		
11,900.00	7,134.93	12,207.23	7,153.72	141.18	143.01	-91.04	-2,527.73	-3,577.50	1,029.91	746.24	283.66	3.631		
12,000.00	7,135.17	12,307.24	7,154.54	143.94	145.75	-91.08	-2,527.46	-3,677.48	1,028.64	739.48	289.16	3.557		
12,100.00	7,135.41	12,407.25	7,155.35	146.70	148.50	-91.11	-2,527.18	-3,777.47	1,027.37	732.71	294.67	3.487		
12,200.00	7,135.65	12,507.26	7,156.16	149.46	151.25	-91.14	-2,526.91	-3,877.45	1,026.11	725.93	300.18	3.418		
12,300.00	7,135.89	12,607.27	7,156.98	152.23	154.01	-91.18	-2,526.63	-3,977.44	1,024.85	719.14	305.70	3.352		
12,400.00	7,136.13	12,707.28	7,157.79	155.00	156.77	-91.21	-2,526.36	-4,077.43	1,023.58	712.35	311.23	3.289		
12,500.00	7,136.37	12,807.29	7,158.61	157.78	159.53	-91.24	-2,526.08	-4,177.41	1,022.32	705.56	316.76	3.227		
12,600.00	7,136.61	12,907.30	7,159.42	160.55	162.30	-91.28	-2,525.81	-4,277.40	1,021.05	698.76	322.30	3.168		
12,700.00	7,136.85	13,007.31	7,160.23	163.33	165.07	-91.31	-2,525.53	-4,377.39	1,019.79	691.95	327.84	3.111		
12,800.00	7,137.09	13,107.32	7,161.05	166.12	167.84	-91.35	-2,525.26	-4,477.37	1,018.53	685.14	333.39	3.055		
12,900.00	7,137.33	13,192.67	7,161.86	168.90	170.21	-91.38	-2,524.98	-4,577.36	1,017.27	678.73	338.54	3.005		
12,928.29	7,137.40	13,220.96	7,162.09	169.69	171.00	-91.39	-2,524.91	-4,605.65	1,016.91	676.80	340.11	2.990 SF		
13,000.00	7,137.57	13,210.89	7,162.01	171.69	170.72	-91.39	-2,524.93	-4,595.58	1,019.29	679.14	340.15	2.997		
13,100.00	7,137.81	13,210.89	7,162.01	174.48	170.72	-91.39	-2,524.93	-4,595.58	1,030.89	692.76	338.13	3.049		
13,200.00	7,138.05	13,210.89	7,162.01	177.27	170.72	-91.39	-2,524.93	-4,595.58	1,051.92	718.57	333.35	3.156		
13,300.00	7,138.29	13,210.89	7,162.01	180.07	170.72	-91.39	-2,524.93	-4,595.58	1,081.81	755.57	326.25	3.316		
13,400.00	7,138.53	13,210.89	7,162.01	182.86	170.72	-91.39	-2,524.93	-4,595.58	1,119.87	802.49	317.38	3.528		
13,500.00	7,138.77	13,210.89	7,162.01	185.66	170.72	-91.39	-2,524.93	-4,595.58	1,165.29	857.97	307.32	3.792		
13,600.00	7,139.01	13,210.89	7,162.01	188.46	170.72	-91.39	-2,524.93	-4,595.58	1,217.25	920.66	296.58	4.104		
13,700.00	7,139.25	13,210.89	7,162.01	191.26	170.72	-91.39	-2,524.93	-4,595.58	1,274.94	989.36	285.58	4.464		
13,800.00	7,139.49	13,210.89	7,162.01	194.06	170.72	-91.39	-2,524.93	-4,595.58	1,337.64	1,062.98	274.66	4.870		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	13,210.89	7,162.01	196.87	170.72	-91.39	-2,524.93	-4,595.58	1,404.66	1,140.63	264.03	5.320		
14,000.00	7,139.97	13,210.89	7,162.01	199.68	170.72	-91.39	-2,524.93	-4,595.58	1,475.41	1,221.56	253.85	5.812		
14,100.00	7,140.21	13,210.89	7,162.01	202.48	170.72	-91.39	-2,524.93	-4,595.58	1,549.40	1,305.18	244.22	6.344		
14,200.00	7,140.45	13,210.89	7,162.01	205.29	170.72	-91.39	-2,524.93	-4,595.58	1,626.17	1,391.00	235.17	6.915		
14,300.00	7,140.69	13,210.89	7,162.01	208.10	170.72	-91.39	-2,524.93	-4,595.58	1,705.35	1,478.62	226.73	7.522		
14,400.00	7,140.93	13,210.89	7,162.01	210.91	170.72	-91.39	-2,524.93	-4,595.58	1,786.62	1,567.75	218.87	8.163		
14,500.00	7,141.17	13,210.89	7,162.01	213.73	170.72	-91.39	-2,524.93	-4,595.58	1,869.70	1,658.12	211.59	8.837		
14,600.00	7,141.41	13,210.89	7,162.01	216.54	170.72	-91.39	-2,524.93	-4,595.58	1,954.38	1,749.53	204.84	9.541		
14,700.00	7,141.65	13,210.89	7,162.01	219.36	170.72	-91.39	-2,524.93	-4,595.58	2,040.43	1,841.83	198.61	10.274		
14,800.00	7,141.89	13,210.89	7,162.01	222.17	170.72	-91.39	-2,524.93	-4,595.58	2,127.71	1,934.87	192.84	11.034		
14,900.00	7,142.13	13,210.89	7,162.01	224.99	170.72	-91.39	-2,524.93	-4,595.58	2,216.07	2,028.56	187.50	11.819		
15,000.00	7,142.36	13,210.89	7,162.01	227.81	170.72	-91.39	-2,524.93	-4,595.58	2,305.37	2,122.80	182.57	12.627		
15,100.00	7,142.60	13,210.89	7,162.01	230.63	170.72	-91.39	-2,524.93	-4,595.58	2,395.52	2,217.52	178.00	13.458		
15,200.00	7,142.84	13,210.89	7,162.01	233.45	170.72	-91.39	-2,524.93	-4,595.58	2,486.43	2,312.65	173.77	14.308		
15,300.00	7,143.08	13,210.89	7,162.01	236.27	170.72	-91.39	-2,524.93	-4,595.58	2,578.00	2,408.15	169.85	15.178		
15,400.00	7,143.32	13,210.89	7,162.01	239.09	170.72	-91.39	-2,524.93	-4,595.58	2,670.19	2,503.97	166.21	16.065		
15,500.00	7,143.56	13,210.89	7,162.01	241.91	170.72	-91.39	-2,524.93	-4,595.58	2,762.91	2,600.08	162.83	16.968		
15,600.00	7,143.80	13,210.89	7,162.01	244.73	170.72	-91.39	-2,524.93	-4,595.58	2,856.13	2,696.44	159.69	17.885		
15,700.00	7,144.04	13,210.89	7,162.01	247.56	170.72	-91.39	-2,524.93	-4,595.58	2,949.79	2,793.02	156.77	18.817		
15,800.00	7,144.28	13,210.89	7,162.01	250.38	170.72	-91.39	-2,524.93	-4,595.58	3,043.85	2,889.82	154.04	19.760		
15,900.00	7,144.52	13,210.89	7,162.01	253.21	170.72	-91.39	-2,524.93	-4,595.58	3,138.29	2,986.79	151.50	20.715		
16,000.00	7,144.76	13,210.89	7,162.01	256.03	170.72	-91.39	-2,524.93	-4,595.58	3,233.05	3,083.93	149.12	21.681		
16,100.00	7,145.00	13,210.89	7,162.01	258.86	170.72	-91.39	-2,524.93	-4,595.58	3,328.13	3,181.23	146.90	22.656		
16,200.00	7,145.24	13,210.89	7,162.01	261.69	170.72	-91.39	-2,524.93	-4,595.58	3,423.48	3,278.66	144.82	23.639		
16,300.00	7,145.48	13,210.89	7,162.01	264.52	170.72	-91.39	-2,524.93	-4,595.58	3,519.09	3,376.21	142.88	24.630		
16,400.00	7,145.72	13,210.89	7,162.01	267.35	170.72	-91.39	-2,524.93	-4,595.58	3,614.94	3,473.89	141.05	25.629		
16,500.00	7,145.96	13,210.89	7,162.01	270.18	170.72	-91.39	-2,524.93	-4,595.58	3,711.01	3,571.67	139.34	26.633		
16,600.00	7,146.20	13,210.89	7,162.01	273.01	170.72	-91.39	-2,524.93	-4,595.58	3,807.28	3,669.55	137.73	27.643		
16,700.00	7,146.44	13,210.89	7,162.01	275.84	170.72	-91.39	-2,524.93	-4,595.58	3,903.74	3,767.52	136.21	28.659		
16,800.00	7,146.68	13,210.89	7,162.01	278.67	170.72	-91.39	-2,524.93	-4,595.58	4,000.37	3,865.58	134.79	29.678		
16,900.00	7,146.92	13,210.89	7,162.01	281.50	170.72	-91.39	-2,524.93	-4,595.58	4,097.16	3,963.71	133.45	30.702		
17,000.00	7,147.16	13,210.89	7,162.01	284.33	170.72	-91.39	-2,524.93	-4,595.58	4,194.11	4,061.92	132.18	31.729		
17,100.00	7,147.40	13,210.89	7,162.01	287.16	170.72	-91.39	-2,524.93	-4,595.58	4,291.19	4,160.20	130.99	32.760		
17,200.00	7,147.64	13,210.89	7,162.01	290.00	170.72	-91.39	-2,524.93	-4,595.58	4,388.41	4,258.54	129.86	33.792		
17,300.00	7,147.88	13,210.89	7,162.01	292.83	170.72	-91.39	-2,524.93	-4,595.58	4,485.74	4,356.94	128.80	34.827		
17,400.00	7,148.12	13,210.89	7,162.01	295.66	170.72	-91.39	-2,524.93	-4,595.58	4,583.20	4,455.40	127.79	35.864		
17,500.00	7,148.36	13,210.89	7,162.01	298.50	170.72	-91.39	-2,524.93	-4,595.58	4,680.76	4,553.91	126.84	36.903		
17,600.00	7,148.60	13,210.89	7,162.01	301.33	170.72	-91.39	-2,524.93	-4,595.58	4,778.42	4,652.48	125.94	37.942		
17,700.00	7,148.84	13,210.89	7,162.01	304.17	170.72	-91.39	-2,524.93	-4,595.58	4,876.17	4,751.09	125.09	38.983		
17,800.00	7,149.08	13,210.89	7,162.01	307.00	170.72	-91.39	-2,524.93	-4,595.58	4,974.02	4,849.74	124.28	40.024		
17,900.00	7,149.32	13,210.89	7,162.01	309.84	170.72	-91.39	-2,524.93	-4,595.58	5,071.95	4,948.44	123.51	41.066		
18,000.00	7,149.56	13,210.89	7,162.01	312.68	170.72	-91.39	-2,524.93	-4,595.58	5,169.95	5,047.17	122.78	42.107		
18,100.00	7,149.80	13,210.89	7,162.01	315.51	170.72	-91.39	-2,524.93	-4,595.58	5,268.04	5,145.95	122.09	43.149		
18,200.00	7,150.04	13,210.89	7,162.01	318.35	170.72	-91.39	-2,524.93	-4,595.58	5,366.19	5,244.76	121.43	44.191		
18,300.00	7,150.28	13,210.89	7,162.01	321.19	170.72	-91.39	-2,524.93	-4,595.58	5,464.41	5,343.60	120.81	45.232		
18,400.00	7,150.52	13,210.89	7,162.01	324.03	170.72	-91.39	-2,524.93	-4,595.58	5,562.69	5,442.48	120.21	46.273		
18,500.00	7,150.76	13,210.89	7,162.01	326.86	170.72	-91.39	-2,524.93	-4,595.58	5,661.04	5,541.39	119.65	47.313		
18,600.00	7,151.00	13,210.89	7,162.01	329.70	170.72	-91.39	-2,524.93	-4,595.58	5,759.44	5,640.33	119.11	48.353		
18,700.00	7,151.24	13,210.89	7,162.01	332.54	170.72	-91.39	-2,524.93	-4,595.58	5,857.90	5,739.29	118.60	49.391		
18,800.00	7,151.48	13,210.89	7,162.01	335.38	170.72	-91.39	-2,524.93	-4,595.58	5,956.40	5,838.29	118.12	50.428		
18,900.00	7,151.72	13,210.89	7,162.01	338.22	170.72	-91.39	-2,524.93	-4,595.58	6,054.96	5,937.30	117.65	51.464		
19,000.00	7,151.96	13,210.89	7,162.01	341.06	170.72	-91.39	-2,524.93	-4,595.58	6,153.56	6,036.35	117.21	52.499		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	13,210.89	7,162.01	341.58	170.72	-91.39	-2,524.93	-4,595.58	6,171.61	6,054.47	117.13	52.688	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	120.22	1.11	120.23					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	120.22	1.11	120.23	113.66	6.57	18.301		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	120.22	1.11	120.23	113.55	6.67	18.014 CC, ES		
300.00	299.98	299.99	299.97	3.44	3.44	-136.44	120.20	2.86	121.49	114.61	6.88	17.651		
400.00	399.84	399.87	399.71	3.59	3.60	-135.65	120.13	8.08	125.30	118.11	7.19	17.428		
500.00	499.45	499.53	498.98	3.80	3.80	-134.42	120.03	16.76	131.69	124.10	7.59	17.347		
600.00	598.70	598.84	597.56	4.04	4.05	-132.89	119.88	28.83	140.70	132.62	8.08	17.415		
700.00	697.47	697.72	695.22	4.32	4.33	-131.17	119.69	44.24	152.37	143.73	8.65	17.625		
800.00	795.62	796.04	791.75	4.65	4.65	-129.38	119.46	62.89	166.72	157.44	9.28	17.960		
900.00	893.06	905.89	887.42	5.01	5.05	-127.71	119.19	84.44	183.71	173.68	10.03	18.312		
1,000.00	989.64	1,007.77	983.03	5.42	5.45	-126.90	118.91	106.49	202.92	192.11	10.81	18.766		
1,044.50	1,032.32	1,035.77	1,025.45	5.61	5.56	-126.80	118.79	116.27	212.14	201.03	11.11	19.098		
1,100.00	1,085.43	1,109.99	1,078.31	5.86	5.87	-126.95	118.64	128.45	223.88	212.24	11.65	19.225		
1,200.00	1,181.11	1,187.74	1,173.54	6.33	6.20	-127.19	118.37	150.41	245.05	232.64	12.40	19.755		
1,300.00	1,276.80	1,285.47	1,268.77	6.81	6.63	-127.38	118.10	172.37	266.21	252.94	13.28	20.049		
1,400.00	1,372.49	1,383.20	1,364.00	7.31	7.08	-127.55	117.83	194.32	287.38	273.21	14.18	20.272		
1,500.00	1,468.17	1,480.93	1,459.23	7.83	7.53	-127.70	117.55	216.28	308.56	293.46	15.10	20.440		
1,600.00	1,563.86	1,578.66	1,554.46	8.35	7.99	-127.82	117.28	238.24	329.73	313.70	16.03	20.567		
1,700.00	1,659.55	1,676.39	1,649.69	8.88	8.46	-127.93	117.01	260.19	350.91	333.93	16.98	20.664		
1,800.00	1,755.23	1,774.12	1,744.93	9.42	8.93	-128.03	116.74	282.15	372.09	354.14	17.94	20.736		
1,900.00	1,850.92	1,871.85	1,840.16	9.97	9.40	-128.12	116.46	304.11	393.26	374.35	18.92	20.791		
2,000.00	1,946.61	1,969.58	1,935.39	10.52	9.88	-128.20	116.19	326.07	414.44	394.55	19.90	20.831		
2,100.00	2,042.29	2,067.31	2,030.62	11.07	10.37	-128.27	115.92	348.02	435.62	414.74	20.88	20.860		
2,200.00	2,137.98	2,165.04	2,125.85	11.63	10.85	-128.33	115.65	369.98	456.80	434.92	21.88	20.880		
2,300.00	2,233.67	2,262.77	2,221.08	12.19	11.34	-128.39	115.38	391.94	477.98	455.10	22.88	20.894		
2,400.00	2,329.35	2,360.50	2,316.31	12.76	11.83	-128.45	115.10	413.89	499.16	475.28	23.88	20.902		
2,500.00	2,425.04	2,458.23	2,411.54	13.32	12.33	-128.50	114.83	435.85	520.34	495.45	24.89	20.906		
2,600.00	2,520.72	2,555.96	2,506.78	13.89	12.82	-128.54	114.56	457.81	541.53	515.62	25.90	20.907		
2,700.00	2,616.41	2,653.69	2,602.01	14.46	13.32	-128.58	114.29	479.76	562.71	535.79	26.92	20.905		
2,800.00	2,712.10	2,751.42	2,697.24	15.03	13.81	-128.62	114.02	501.72	583.89	555.95	27.94	20.901		
2,900.00	2,807.78	2,849.15	2,792.47	15.60	14.31	-128.66	113.74	523.68	605.07	576.12	28.96	20.896		
3,000.00	2,903.47	2,946.88	2,887.70	16.18	14.81	-128.69	113.47	545.64	626.25	596.27	29.98	20.889		
3,100.00	2,999.16	3,044.61	2,982.93	16.75	15.31	-128.73	113.20	567.59	647.44	616.43	31.01	20.882		
3,200.00	3,094.84	3,142.34	3,078.16	17.33	15.82	-128.76	112.93	589.55	668.62	636.59	32.03	20.873		
3,300.00	3,190.53	3,240.07	3,173.39	17.90	16.32	-128.78	112.65	611.51	689.80	656.74	33.06	20.864		
3,400.00	3,286.22	3,337.80	3,268.63	18.48	16.82	-128.81	112.38	633.46	710.99	676.89	34.09	20.855		
3,500.00	3,381.90	3,435.53	3,363.86	19.06	17.33	-128.83	112.11	655.42	732.17	697.05	35.12	20.845		
3,600.00	3,477.59	3,533.26	3,459.09	19.64	17.83	-128.86	111.84	677.38	753.35	717.20	36.16	20.835		
3,700.00	3,573.28	3,630.99	3,554.32	20.22	18.34	-128.88	111.57	699.33	774.54	737.34	37.19	20.825		
3,800.00	3,668.96	3,728.72	3,649.55	20.80	18.84	-128.90	111.29	721.29	795.72	757.49	38.23	20.815		
3,900.00	3,764.65	3,826.45	3,744.78	21.38	19.35	-128.92	111.02	743.25	816.91	777.64	39.27	20.805		
4,000.00	3,860.33	3,924.18	3,840.01	21.96	19.86	-128.94	110.75	765.21	838.09	797.79	40.30	20.795		
4,100.00	3,956.02	4,021.91	3,935.24	22.54	20.36	-128.96	110.48	787.16	859.27	817.93	41.34	20.785		
4,200.00	4,051.71	4,119.64	4,030.48	23.13	20.87	-128.97	110.20	809.12	880.46	838.08	42.38	20.775		
4,300.00	4,147.39	4,217.37	4,125.71	23.71	21.38	-128.99	109.93	831.08	901.64	858.22	43.42	20.765		
4,400.00	4,243.08	4,315.10	4,220.94	24.29	21.89	-129.01	109.66	853.03	922.83	878.36	44.46	20.755		
4,500.00	4,338.77	4,412.83	4,316.17	24.88	22.40	-129.02	109.39	874.99	944.01	898.51	45.50	20.745		
4,600.00	4,434.45	4,510.56	4,411.40	25.46	22.90	-129.03	109.12	896.95	965.19	918.65	46.55	20.736		
4,700.00	4,530.14	4,608.29	4,506.63	26.04	23.41	-129.05	108.84	918.90	986.38	938.79	47.59	20.727		
4,800.00	4,625.83	4,706.02	4,601.86	26.63	23.92	-129.06	108.57	940.86	1,007.56	958.93	48.63	20.718		
4,900.00	4,721.51	4,803.75	4,697.09	27.21	24.43	-129.07	108.30	962.82	1,028.75	979.07	49.68	20.709		
5,000.00	4,817.20	4,901.48	4,792.33	27.80	24.94	-129.09	108.03	984.77	1,049.93	999.21	50.72	20.700		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,000.79	4,887.56	28.38	25.46	-129.10	107.75	1,006.73	1,071.12	1,019.34	51.77	20.688		
5,200.00	5,008.57	5,103.06	4,982.79	28.97	25.99	-129.11	107.48	1,028.69	1,092.30	1,039.46	52.84	20.671		
5,300.00	5,104.26	5,205.33	5,078.02	29.55	26.53	-129.12	107.21	1,050.65	1,113.49	1,059.57	53.91	20.654		
5,400.00	5,199.94	5,307.60	5,173.25	30.14	27.06	-129.13	106.94	1,072.60	1,134.67	1,079.69	54.98	20.637		
5,500.00	5,295.63	5,409.87	5,268.48	30.72	27.60	-129.14	106.67	1,094.56	1,155.86	1,099.80	56.05	20.621		
5,600.00	5,391.32	5,487.86	5,363.71	31.31	28.01	-129.15	106.39	1,116.52	1,177.04	1,120.05	57.00	20.651		
5,700.00	5,487.00	5,585.71	5,459.06	31.90	28.52	-129.16	106.12	1,138.50	1,198.23	1,140.18	58.04	20.643		
5,800.00	5,582.69	5,687.93	5,559.07	32.48	29.03	-129.26	105.86	1,159.58	1,219.22	1,160.11	59.11	20.625		
5,900.00	5,678.38	5,790.03	5,659.66	33.07	29.53	-129.53	105.64	1,177.07	1,239.87	1,179.73	60.14	20.616		
6,000.00	5,774.06	5,891.75	5,760.43	33.65	29.99	-129.95	105.47	1,190.92	1,260.22	1,199.10	61.13	20.617		
6,100.00	5,869.75	5,992.85	5,861.01	34.24	30.42	-130.52	105.34	1,201.13	1,280.35	1,218.28	62.06	20.629		
6,200.00	5,965.44	6,093.08	5,961.01	34.83	30.83	-131.23	105.26	1,207.74	1,300.34	1,237.38	62.96	20.654		
6,300.00	6,061.12	6,192.21	6,060.09	35.41	31.21	-132.05	105.22	1,210.83	1,320.32	1,256.51	63.81	20.692		
6,400.00	6,156.81	6,288.93	6,156.81	36.00	31.57	-132.95	105.22	1,211.11	1,340.43	1,275.82	64.61	20.747		
6,500.00	6,252.50	6,384.62	6,252.50	36.59	31.91	-133.83	105.22	1,211.11	1,360.84	1,295.45	65.39	20.810		
6,600.00	6,348.18	6,480.30	6,348.18	37.18	32.26	-134.68	105.22	1,211.11	1,381.57	1,315.39	66.18	20.876		
6,636.04	6,382.67	6,514.79	6,382.67	37.39	32.39	-134.98	105.22	1,211.11	1,389.12	1,322.65	66.46	20.901		
6,650.00	6,396.05	6,528.17	6,396.05	37.47	32.44	-138.64	105.22	1,211.11	1,392.06	1,325.49	66.57	20.910		
6,700.00	6,444.38	6,576.50	6,444.38	37.74	32.62	-154.51	105.22	1,211.11	1,402.77	1,335.81	66.96	20.949		
6,750.00	6,493.07	6,625.19	6,493.07	37.98	32.79	-174.28	105.22	1,211.11	1,413.67	1,346.32	67.34	20.992		
6,800.00	6,541.82	6,673.95	6,541.82	38.18	32.97	165.12	105.22	1,211.11	1,424.65	1,356.93	67.72	21.037		
6,850.00	6,590.35	6,722.47	6,590.35	38.35	33.15	147.74	105.22	1,211.11	1,435.66	1,367.56	68.10	21.081		
6,900.00	6,638.34	6,768.12	6,638.34	38.50	33.32	134.86	105.26	1,210.33	1,446.70	1,378.24	68.46	21.131		
6,950.00	6,685.50	6,813.08	6,685.50	38.64	33.47	125.62	105.45	1,206.52	1,457.81	1,388.99	68.82	21.182		
7,000.00	6,731.54	6,858.52	6,731.54	38.77	33.64	118.89	105.81	1,199.47	1,468.93	1,399.73	69.20	21.228		
7,050.00	6,776.18	6,904.51	6,776.18	38.90	33.81	113.84	106.34	1,189.10	1,480.00	1,410.41	69.60	21.265		
7,100.00	6,819.14	6,951.10	6,819.14	39.03	33.99	109.92	107.04	1,175.33	1,490.96	1,420.94	70.03	21.291		
7,150.00	6,860.16	6,998.37	6,860.16	39.16	34.19	106.81	107.91	1,158.08	1,501.75	1,431.25	70.49	21.304		
7,200.00	6,898.98	7,046.38	6,902.16	39.31	34.41	104.28	108.97	1,137.27	1,512.29	1,441.30	71.00	21.301		
7,250.00	6,935.36	7,095.19	6,944.39	39.47	34.65	102.20	110.21	1,112.84	1,522.54	1,450.99	71.55	21.279		
7,300.00	6,969.08	7,144.87	6,985.32	39.65	34.91	100.46	111.64	1,084.73	1,532.43	1,460.27	72.16	21.237		
7,350.00	6,999.94	7,195.49	7,024.62	39.85	35.21	99.00	113.25	1,052.90	1,541.90	1,469.08	72.82	21.173		
7,400.00	7,027.74	7,247.10	7,061.97	40.08	35.54	97.79	115.06	1,017.35	1,550.89	1,477.33	73.56	21.084		
7,450.00	7,052.31	7,299.75	7,096.97	40.34	35.92	96.77	117.05	978.08	1,559.34	1,484.98	74.37	20.968		
7,500.00	7,073.49	7,353.48	7,129.21	40.63	36.35	95.94	119.23	935.17	1,567.20	1,491.94	75.26	20.825		
7,550.00	7,091.17	7,408.33	7,158.27	40.95	36.83	95.27	121.59	888.73	1,574.40	1,498.17	76.23	20.653		
7,600.00	7,105.22	7,464.31	7,183.69	41.31	37.37	94.74	124.12	838.94	1,580.90	1,503.61	77.29	20.454		
7,650.00	7,115.57	7,521.42	7,205.01	41.71	37.97	94.36	126.80	786.06	1,586.64	1,508.21	78.43	20.229		
7,700.00	7,122.15	7,579.62	7,221.77	42.15	38.63	94.11	129.62	730.41	1,591.58	1,511.92	79.66	19.979		
7,750.00	7,124.91	7,638.86	7,233.53	42.62	39.35	93.99	132.57	672.44	1,595.68	1,514.71	80.96	19.709		
7,759.54	7,125.00	7,650.28	7,235.17	42.72	39.49	93.98	133.14	661.16	1,596.36	1,515.14	81.21	19.656		
7,800.00	7,125.10	7,699.18	7,239.91	43.13	40.11	94.13	135.61	612.56	1,599.08	1,516.75	82.33	19.423		
7,900.00	7,125.34	7,805.57	7,241.12	44.28	41.55	94.15	141.00	506.34	1,605.19	1,520.07	85.12	18.858		
8,000.00	7,125.58	7,905.38	7,241.28	45.61	43.05	94.13	146.06	406.65	1,611.24	1,523.10	88.14	18.281		
8,100.00	7,125.82	8,005.20	7,241.45	47.10	44.68	94.12	151.12	306.96	1,617.29	1,525.88	91.41	17.693		
8,200.00	7,126.06	8,105.01	7,241.61	48.72	46.44	94.10	156.18	207.27	1,623.34	1,528.43	94.91	17.105		
8,300.00	7,126.30	8,204.83	7,241.78	50.48	48.30	94.08	161.24	107.59	1,629.39	1,530.77	98.61	16.523		
8,400.00	7,126.54	8,304.64	7,241.95	52.34	50.25	94.06	166.31	7.90	1,635.44	1,532.93	102.50	15.955		
8,500.00	7,126.78	8,404.46	7,242.11	54.30	52.29	94.04	171.37	-91.79	1,641.49	1,534.93	106.56	15.404		
8,600.00	7,127.02	8,504.28	7,242.28	56.35	54.40	94.03	176.43	-191.47	1,647.54	1,536.78	110.76	14.875		
8,700.00	7,127.26	8,604.09	7,242.45	58.47	56.58	94.01	181.49	-291.16	1,653.59	1,538.50	115.09	14.368		
8,800.00	7,127.50	8,703.91	7,242.61	60.66	58.82	93.99	186.55	-390.85	1,659.64	1,540.10	119.54	13.884		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,803.72	7,242.78	62.90	61.11	93.98	191.61	-490.54	1,665.69	1,541.60	124.08	13.424		
9,000.00	7,127.98	8,903.54	7,242.94	65.19	63.46	93.96	196.67	-590.22	1,671.74	1,543.01	128.73	12.987		
9,100.00	7,128.22	9,003.35	7,243.11	67.53	65.84	93.94	201.73	-689.91	1,677.79	1,544.34	133.45	12.572		
9,200.00	7,128.46	9,103.17	7,243.28	69.92	68.25	93.93	206.79	-789.60	1,683.84	1,545.59	138.25	12.179		
9,300.00	7,128.70	9,202.98	7,243.44	72.33	70.71	93.91	211.85	-889.28	1,689.89	1,546.77	143.12	11.808		
9,400.00	7,128.94	9,302.80	7,243.61	74.78	73.19	93.89	216.91	-988.97	1,695.94	1,547.90	148.04	11.456		
9,500.00	7,129.18	9,402.62	7,243.77	77.26	75.70	93.88	221.97	-1,088.66	1,701.99	1,548.97	153.03	11.122		
9,600.00	7,129.42	9,502.43	7,243.94	79.76	78.23	93.86	227.04	-1,188.34	1,708.04	1,549.99	158.06	10.807		
9,700.00	7,129.66	9,602.25	7,244.11	82.29	80.79	93.84	232.10	-1,288.03	1,714.10	1,550.97	163.13	10.508		
9,800.00	7,129.90	9,702.06	7,244.27	84.84	83.36	93.83	237.16	-1,387.72	1,720.15	1,551.90	168.25	10.224		
9,900.00	7,130.14	9,801.88	7,244.44	87.41	85.96	93.81	242.22	-1,487.41	1,726.20	1,552.80	173.40	9.955		
10,000.00	7,130.38	9,901.69	7,244.61	90.00	88.57	93.80	247.28	-1,587.09	1,732.25	1,553.67	178.59	9.700		
10,100.00	7,130.62	10,001.51	7,244.77	92.60	91.20	93.78	252.34	-1,686.78	1,738.30	1,554.50	183.80	9.457		
10,200.00	7,130.86	10,101.32	7,244.94	95.22	93.84	93.77	257.40	-1,786.47	1,744.36	1,555.31	189.05	9.227		
10,300.00	7,131.09	10,201.14	7,245.10	97.85	96.49	93.75	262.46	-1,886.15	1,750.41	1,556.09	194.32	9.008		
10,400.00	7,131.33	10,300.96	7,245.27	100.50	99.16	93.73	267.52	-1,985.84	1,756.46	1,556.84	199.62	8.799		
10,500.00	7,131.57	10,400.77	7,245.44	103.16	101.84	93.72	272.58	-2,085.53	1,762.51	1,557.58	204.94	8.600		
10,600.00	7,131.81	10,500.59	7,245.60	105.82	104.53	93.70	277.64	-2,185.22	1,768.57	1,558.29	210.28	8.411		
10,700.00	7,132.05	10,600.40	7,245.77	108.50	107.22	93.69	282.70	-2,284.90	1,774.62	1,558.98	215.64	8.230		
10,800.00	7,132.29	10,700.22	7,245.93	111.19	109.93	93.67	287.77	-2,384.59	1,780.67	1,559.66	221.01	8.057		
10,900.00	7,132.53	10,800.03	7,246.10	113.88	112.64	93.66	292.83	-2,484.28	1,786.73	1,560.32	226.41	7.892		
11,000.00	7,132.77	10,900.15	7,246.27	116.58	115.37	93.64	297.89	-2,583.96	1,792.78	1,560.96	231.82	7.733		
11,100.00	7,133.01	11,000.34	7,246.43	119.29	118.11	93.63	302.95	-2,683.65	1,798.83	1,561.58	237.26	7.582		
11,200.00	7,133.25	11,100.52	7,246.60	122.01	120.85	93.62	308.01	-2,783.34	1,804.89	1,562.18	242.70	7.437		
11,300.00	7,133.49	11,200.71	7,246.77	124.73	123.60	93.60	313.07	-2,883.02	1,810.94	1,562.78	248.16	7.297		
11,400.00	7,133.73	11,300.89	7,246.93	127.46	126.36	93.59	318.13	-2,982.71	1,816.99	1,563.36	253.63	7.164		
11,500.00	7,133.97	11,500.71	7,247.28	130.19	131.86	93.57	323.87	-3,184.19	1,821.41	1,559.72	261.69	6.960		
11,600.00	7,134.21	11,654.89	7,247.55	132.93	136.07	93.57	319.73	-3,338.31	1,819.37	1,551.11	268.26	6.782		
11,700.00	7,134.45	11,754.86	7,247.74	135.68	138.81	93.57	316.23	-3,438.22	1,816.87	1,543.13	273.74	6.637		
11,800.00	7,134.69	11,854.83	7,247.92	138.43	141.55	93.58	312.72	-3,538.13	1,814.36	1,535.14	279.22	6.498		
11,900.00	7,134.93	11,954.80	7,248.10	141.18	144.29	93.58	309.21	-3,638.03	1,811.86	1,527.14	284.72	6.364		
12,000.00	7,135.17	12,054.77	7,248.28	143.94	147.04	93.58	305.71	-3,737.94	1,809.35	1,519.13	290.22	6.234		
12,100.00	7,135.41	12,154.73	7,248.47	146.70	149.79	93.59	302.20	-3,837.85	1,806.85	1,511.12	295.73	6.110		
12,200.00	7,135.65	12,254.70	7,248.65	149.46	152.55	93.59	298.70	-3,937.75	1,804.34	1,503.10	301.24	5.990		
12,300.00	7,135.89	12,354.67	7,248.83	152.23	155.30	93.59	295.19	-4,037.66	1,801.84	1,495.07	306.76	5.874		
12,400.00	7,136.13	12,454.64	7,249.01	155.00	158.07	93.59	291.68	-4,137.57	1,799.33	1,487.04	312.29	5.762		
12,500.00	7,136.37	12,554.61	7,249.20	157.78	160.83	93.60	288.18	-4,237.48	1,796.83	1,479.00	317.83	5.653		
12,600.00	7,136.61	12,654.58	7,249.38	160.55	163.60	93.60	284.67	-4,337.38	1,794.32	1,470.96	323.37	5.549		
12,700.00	7,136.85	12,754.55	7,249.56	163.33	166.37	93.60	281.17	-4,437.29	1,791.82	1,462.91	328.91	5.448		
12,800.00	7,137.09	12,854.51	7,249.74	166.12	169.14	93.61	277.66	-4,537.20	1,789.31	1,454.86	334.46	5.350		
12,900.00	7,137.33	12,954.48	7,249.93	168.90	171.91	93.61	274.15	-4,637.10	1,786.81	1,446.80	340.01	5.255		
13,000.00	7,137.57	13,054.45	7,250.11	171.69	174.69	93.61	270.65	-4,737.01	1,784.31	1,438.73	345.57	5.163		
13,100.00	7,137.81	13,154.42	7,250.29	174.48	177.47	93.62	267.14	-4,836.92	1,781.80	1,430.67	351.13	5.074		
13,200.00	7,138.05	13,254.39	7,250.47	177.27	180.25	93.62	263.64	-4,936.82	1,779.30	1,422.60	356.70	4.988		
13,300.00	7,138.29	13,354.36	7,250.65	180.07	183.04	93.62	260.13	-5,036.73	1,776.79	1,414.52	362.27	4.905		
13,400.00	7,138.53	13,454.33	7,250.84	182.86	185.82	93.63	256.62	-5,136.64	1,774.29	1,406.44	367.84	4.823		
13,500.00	7,138.77	13,554.29	7,251.02	185.66	188.61	93.63	253.12	-5,236.54	1,771.78	1,398.36	373.42	4.745		
13,600.00	7,139.01	13,654.26	7,251.20	188.46	191.40	93.63	249.61	-5,336.45	1,769.28	1,390.27	379.00	4.668		
13,700.00	7,139.25	13,754.23	7,251.38	191.26	194.19	93.64	246.11	-5,436.36	1,766.77	1,382.19	384.59	4.594		
13,800.00	7,139.49	13,854.20	7,251.57	194.06	196.98	93.64	242.60	-5,536.27	1,764.27	1,374.09	390.17	4.522		
13,900.00	7,139.73	13,954.17	7,251.75	196.87	199.77	93.64	239.09	-5,636.17	1,761.76	1,366.00	395.76	4.452		
14,000.00	7,139.97	14,054.14	7,251.93	199.68	202.57	93.65	235.59	-5,736.08	1,759.26	1,357.90	401.36	4.383		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	14,154.11	7,252.11	202.48	205.37	93.65	232.08	-5,835.99	1,756.75	1,349.80	406.95	4.317		
14,200.00	7,140.45	14,254.07	7,252.30	205.29	208.16	93.65	228.58	-5,935.89	1,754.25	1,341.70	412.55	4.252		
14,300.00	7,140.69	14,354.04	7,252.48	208.10	210.96	93.66	225.07	-6,035.80	1,751.75	1,333.60	418.15	4.189		
14,400.00	7,140.93	14,454.01	7,252.66	210.91	213.76	93.66	221.56	-6,135.71	1,749.24	1,325.49	423.75	4.128		
14,500.00	7,141.17	14,553.98	7,252.84	213.73	216.57	93.66	218.06	-6,235.61	1,746.74	1,317.38	429.36	4.068		
14,600.00	7,141.41	14,653.95	7,253.03	216.54	219.37	93.67	214.55	-6,335.52	1,744.23	1,309.27	434.96	4.010		
14,700.00	7,141.65	14,753.92	7,253.21	219.36	222.17	93.67	211.05	-6,435.43	1,741.73	1,301.15	440.57	3.953		
14,800.00	7,141.89	14,853.89	7,253.39	222.17	224.98	93.67	207.54	-6,535.33	1,739.22	1,293.04	446.19	3.898		
14,900.00	7,142.13	14,953.85	7,253.57	224.99	227.78	93.68	204.03	-6,635.24	1,736.72	1,284.92	451.80	3.844		
15,000.00	7,142.36	15,053.82	7,253.75	227.81	230.59	93.68	200.53	-6,735.15	1,734.21	1,276.80	457.41	3.791		
15,100.00	7,142.60	15,153.79	7,253.94	230.63	233.40	93.68	197.02	-6,835.05	1,731.71	1,268.68	463.03	3.740		
15,200.00	7,142.84	15,253.76	7,254.12	233.45	236.21	93.69	193.52	-6,934.96	1,729.20	1,260.56	468.65	3.690		
15,300.00	7,143.08	15,353.73	7,254.30	236.27	239.02	93.69	190.01	-7,034.87	1,726.70	1,252.43	474.27	3.641		
15,400.00	7,143.32	15,453.70	7,254.48	239.09	241.83	93.69	186.50	-7,134.78	1,724.20	1,244.31	479.89	3.593		
15,500.00	7,143.56	15,553.67	7,254.67	241.91	244.64	93.70	183.00	-7,234.68	1,721.69	1,236.18	485.51	3.546		
15,600.00	7,143.80	15,653.63	7,254.85	244.73	247.45	93.70	179.49	-7,334.59	1,719.19	1,228.05	491.14	3.500		
15,700.00	7,144.04	15,753.60	7,255.03	247.56	250.27	93.70	175.98	-7,434.50	1,716.68	1,219.92	496.76	3.456		
15,800.00	7,144.28	15,853.57	7,255.21	250.38	253.08	93.71	172.48	-7,534.40	1,714.18	1,211.79	502.39	3.412		
15,900.00	7,144.52	15,953.54	7,255.40	253.21	255.89	93.71	168.97	-7,634.31	1,711.67	1,203.65	508.02	3.369		
16,000.00	7,144.76	16,053.51	7,255.58	256.03	258.71	93.72	165.47	-7,734.22	1,709.17	1,195.52	513.65	3.327		
16,100.00	7,145.00	16,153.48	7,255.76	258.86	261.53	93.72	161.96	-7,834.12	1,706.66	1,187.38	519.28	3.287		
16,200.00	7,145.24	16,253.45	7,255.94	261.69	264.34	93.72	158.45	-7,934.03	1,704.16	1,179.24	524.92	3.247		
16,300.00	7,145.48	16,353.41	7,256.13	264.52	267.16	93.73	154.95	-8,033.94	1,701.66	1,171.11	530.55	3.207		
16,400.00	7,145.72	16,453.38	7,256.31	267.35	269.98	93.73	151.44	-8,133.84	1,699.15	1,162.97	536.18	3.169		
16,500.00	7,145.96	16,553.35	7,256.49	270.18	272.80	93.73	147.94	-8,233.75	1,696.65	1,154.83	541.82	3.131		
16,600.00	7,146.20	16,653.32	7,256.67	273.01	275.62	93.74	144.43	-8,333.66	1,694.14	1,146.69	547.46	3.095		
16,700.00	7,146.44	16,753.29	7,256.85	275.84	278.44	93.74	140.92	-8,433.57	1,691.64	1,138.54	553.09	3.058		
16,800.00	7,146.68	16,853.26	7,257.04	278.67	281.26	93.74	137.42	-8,533.47	1,689.13	1,130.40	558.73	3.023		
16,900.00	7,146.92	16,953.23	7,257.22	281.50	284.08	93.75	133.91	-8,633.38	1,686.63	1,122.26	564.37	2.988		
17,000.00	7,147.16	17,053.19	7,257.40	284.33	286.90	93.75	130.41	-8,733.29	1,684.12	1,114.11	570.01	2.955		
17,100.00	7,147.40	17,153.16	7,257.58	287.16	289.72	93.75	126.90	-8,833.19	1,681.62	1,105.96	575.66	2.921		
17,200.00	7,147.64	17,253.13	7,257.77	290.00	292.54	93.76	123.39	-8,933.10	1,679.12	1,097.82	581.30	2.889		
17,300.00	7,147.88	17,353.10	7,257.95	292.83	295.37	93.76	119.89	-9,033.01	1,676.61	1,089.67	586.94	2.857		
17,400.00	7,148.12	17,453.07	7,258.13	295.66	298.19	93.77	116.38	-9,132.91	1,674.11	1,081.52	592.59	2.825		
17,500.00	7,148.36	17,553.04	7,258.31	298.50	301.01	93.77	112.88	-9,232.82	1,671.60	1,073.37	598.23	2.794		
17,600.00	7,148.60	17,653.01	7,258.50	301.33	303.84	93.77	109.37	-9,332.73	1,669.10	1,065.22	603.88	2.764		
17,700.00	7,148.84	17,752.97	7,258.68	304.17	306.66	93.78	105.86	-9,432.63	1,666.59	1,057.07	609.53	2.734		
17,800.00	7,149.08	17,852.94	7,258.86	307.00	309.49	93.78	102.36	-9,532.54	1,664.09	1,048.92	615.17	2.705		
17,900.00	7,149.32	17,952.91	7,259.04	309.84	312.31	93.78	98.85	-9,632.45	1,661.59	1,040.77	620.82	2.676		
18,000.00	7,149.56	18,052.88	7,259.23	312.68	315.14	93.79	95.35	-9,732.36	1,659.08	1,032.61	626.47	2.648		
18,100.00	7,149.80	18,152.85	7,259.41	315.51	317.96	93.79	91.84	-9,832.26	1,656.58	1,024.46	632.12	2.621		
18,200.00	7,150.04	18,252.82	7,259.59	318.35	320.79	93.80	88.33	-9,932.17	1,654.07	1,016.30	637.77	2.594		
18,300.00	7,150.28	18,352.79	7,259.77	321.19	323.62	93.80	84.83	-10,032.08	1,651.57	1,008.15	643.42	2.567		
18,400.00	7,150.52	18,452.75	7,259.95	324.03	326.44	93.80	81.32	-10,131.98	1,649.06	999.99	649.07	2.541		
18,500.00	7,150.76	18,552.72	7,260.14	326.86	329.27	93.81	77.82	-10,231.89	1,646.56	991.84	654.72	2.515		
18,600.00	7,151.00	18,652.69	7,260.32	329.70	332.10	93.81	74.31	-10,331.80	1,644.06	983.68	660.37	2.490		
18,700.00	7,151.24	18,752.66	7,260.50	332.54	334.93	93.81	70.80	-10,431.70	1,641.55	975.52	666.03	2.465		
18,800.00	7,151.48	18,852.63	7,260.68	335.38	337.76	93.82	67.30	-10,531.61	1,639.05	967.37	671.68	2.440		
18,900.00	7,151.72	18,952.60	7,260.87	338.22	340.58	93.82	63.79	-10,631.52	1,636.54	959.21	677.33	2.416		
19,000.00	7,151.96	19,052.57	7,261.05	341.06	343.41	93.82	60.28	-10,731.43	1,634.04	951.06	682.99	2.392		
19,014.28	7,151.99	19,052.59	7,261.00	341.46	342.66	93.82	61.22	-10,704.79	1,634.19	951.23	682.97	2.393		
19,018.30	7,152.00	19,052.59	7,261.00	341.58	342.66	93.82	61.22	-10,704.79	1,634.20	951.11	683.09	2.392 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.47	135.15	1.11	135.16					
100.00	100.00	100.00	100.00	3.28	3.28	0.47	135.15	1.11	135.16	128.59	6.57	20.574		
200.00	200.00	200.00	200.00	3.34	3.34	0.47	135.15	1.11	135.16	128.48	6.67	20.251 CC, ES		
300.00	299.98	299.12	299.10	3.44	3.44	-136.55	135.45	2.80	136.75	129.86	6.88	19.867		
400.00	399.84	398.08	397.92	3.59	3.60	-135.88	136.34	7.85	141.51	134.32	7.19	19.681		
500.00	499.45	496.72	496.19	3.80	3.80	-134.86	137.82	16.23	149.48	141.89	7.59	19.688		
600.00	598.70	594.87	593.62	4.04	4.04	-133.59	139.87	27.87	160.67	152.59	8.08	19.887		
700.00	697.47	692.38	689.96	4.32	4.32	-132.19	142.48	42.68	175.10	166.46	8.64	20.263		
800.00	795.62	789.18	785.04	4.65	4.63	-130.73	145.64	60.57	192.75	183.48	9.27	20.792		
900.00	893.06	887.06	880.87	5.01	4.97	-129.74	149.09	80.13	213.10	203.14	9.96	21.394		
1,000.00	989.64	984.48	976.27	5.42	5.34	-129.51	152.52	99.60	235.65	224.95	10.70	22.018		
1,044.50	1,032.32	1,027.65	1,018.54	5.61	5.51	-129.59	154.04	108.23	246.38	235.33	11.05	22.299		
1,100.00	1,085.43	1,081.42	1,071.19	5.86	5.72	-129.95	155.94	118.98	260.04	248.55	11.49	22.638		
1,200.00	1,181.11	1,178.31	1,166.06	6.33	6.12	-130.51	159.35	138.34	284.67	272.37	12.30	23.143		
1,300.00	1,276.80	1,275.19	1,260.93	6.81	6.53	-130.98	162.77	157.71	309.32	296.17	13.14	23.535		
1,400.00	1,372.49	1,372.07	1,355.80	7.31	6.95	-131.39	166.18	177.07	333.98	319.98	14.01	23.841		
1,500.00	1,468.17	1,468.96	1,450.67	7.83	7.38	-131.73	169.59	196.44	358.67	343.77	14.89	24.082		
1,600.00	1,563.86	1,565.84	1,545.54	8.35	7.82	-132.04	173.01	215.80	383.36	367.56	15.79	24.271		
1,700.00	1,659.55	1,662.73	1,640.40	8.88	8.26	-132.30	176.42	235.17	408.06	391.35	16.71	24.421		
1,800.00	1,755.23	1,759.61	1,735.27	9.42	8.71	-132.54	179.84	254.53	432.77	415.13	17.64	24.540		
1,900.00	1,850.92	1,856.50	1,830.14	9.97	9.16	-132.75	183.25	273.90	457.48	438.91	18.57	24.635		
2,000.00	1,946.61	1,953.38	1,925.01	10.52	9.62	-132.94	186.67	293.26	482.20	462.69	19.51	24.710		
2,100.00	2,042.29	2,050.27	2,019.88	11.07	10.08	-133.11	190.08	312.63	506.93	486.46	20.46	24.771		
2,200.00	2,137.98	2,147.15	2,114.75	11.63	10.54	-133.26	193.50	331.99	531.65	510.23	21.42	24.819		
2,300.00	2,233.67	2,244.04	2,209.62	12.19	11.01	-133.40	196.91	351.36	556.39	534.00	22.38	24.857		
2,400.00	2,329.35	2,340.92	2,304.48	12.76	11.47	-133.53	200.33	370.72	581.12	557.77	23.35	24.888		
2,500.00	2,425.04	2,437.81	2,399.35	13.32	11.94	-133.65	203.74	390.09	605.86	581.54	24.32	24.912		
2,600.00	2,520.72	2,534.69	2,494.22	13.89	12.41	-133.76	207.15	409.45	630.60	605.30	25.29	24.930		
2,700.00	2,616.41	2,631.58	2,589.09	14.46	12.88	-133.86	210.57	428.81	655.34	629.07	26.27	24.945		
2,800.00	2,712.10	2,728.46	2,683.96	15.03	13.36	-133.95	213.98	448.18	680.08	652.83	27.25	24.955		
2,900.00	2,807.78	2,825.35	2,778.83	15.60	13.83	-134.04	217.40	467.54	704.82	676.59	28.23	24.963		
3,000.00	2,903.47	2,922.23	2,873.69	16.18	14.31	-134.12	220.81	486.91	729.57	700.35	29.22	24.968		
3,100.00	2,999.16	3,019.12	2,968.56	16.75	14.78	-134.20	224.23	506.27	754.32	724.11	30.21	24.972		
3,200.00	3,094.84	3,116.00	3,063.43	17.33	15.26	-134.27	227.64	525.64	779.07	747.87	31.20	24.973		
3,300.00	3,190.53	3,212.89	3,158.30	17.90	15.74	-134.34	231.06	545.00	803.81	771.63	32.19	24.974		
3,400.00	3,286.22	3,309.77	3,253.17	18.48	16.22	-134.40	234.47	564.37	828.57	795.39	33.18	24.973		
3,500.00	3,381.90	3,406.66	3,348.04	19.06	16.70	-134.46	237.89	583.73	853.32	819.14	34.17	24.971		
3,600.00	3,477.59	3,503.54	3,442.91	19.64	17.18	-134.51	241.30	603.10	878.07	842.90	35.17	24.968		
3,700.00	3,573.28	3,600.43	3,537.77	20.22	17.66	-134.57	244.71	622.46	902.82	866.66	36.16	24.965		
3,800.00	3,668.96	3,702.69	3,632.64	20.80	18.16	-134.61	248.13	641.83	927.57	890.39	37.19	24.943		
3,900.00	3,764.65	3,805.80	3,727.51	21.38	18.68	-134.66	251.54	661.19	952.33	914.11	38.22	24.919		
4,000.00	3,860.33	3,908.92	3,822.38	21.96	19.19	-134.71	254.96	680.56	977.08	937.84	39.25	24.896		
4,100.00	3,956.02	3,987.97	3,917.25	22.54	19.58	-134.75	258.37	699.92	1,001.84	961.68	40.16	24.947		
4,200.00	4,051.71	4,084.85	4,012.12	23.13	20.07	-134.79	261.79	719.29	1,026.59	985.43	41.16	24.942		
4,300.00	4,147.39	4,181.74	4,106.98	23.71	20.55	-134.83	265.20	738.65	1,051.35	1,009.19	42.16	24.937		
4,400.00	4,243.08	4,278.62	4,201.85	24.29	21.03	-134.87	268.62	758.02	1,076.11	1,032.94	43.16	24.931		
4,500.00	4,338.77	4,375.51	4,296.72	24.88	21.52	-134.90	272.03	777.38	1,100.86	1,056.70	44.17	24.926		
4,600.00	4,434.45	4,472.39	4,391.59	25.46	22.00	-134.93	275.45	796.75	1,125.62	1,080.45	45.17	24.920		
4,700.00	4,530.14	4,569.28	4,486.46	26.04	22.48	-134.97	278.86	816.11	1,150.38	1,104.20	46.17	24.914		
4,800.00	4,625.83	4,666.16	4,581.33	26.63	22.97	-135.00	282.27	835.48	1,175.13	1,127.96	47.18	24.909		
4,900.00	4,721.51	4,763.05	4,676.20	27.21	23.45	-135.03	285.69	854.84	1,199.89	1,151.71	48.18	24.903		
5,000.00	4,817.20	4,859.93	4,771.06	27.80	23.94	-135.05	289.10	874.21	1,224.65	1,175.46	49.19	24.897		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,956.82	4,865.93	28.38	24.42	-135.08	292.52	893.57	1,249.41	1,199.22	50.19	24.891		
5,200.00	5,008.57	5,053.70	4,960.80	28.97	24.91	-135.11	295.93	912.94	1,274.17	1,222.97	51.20	24.886		
5,300.00	5,104.26	5,150.59	5,055.67	29.55	25.39	-135.13	299.35	932.30	1,298.93	1,246.72	52.21	24.880		
5,400.00	5,199.94	5,247.47	5,150.54	30.14	25.88	-135.16	302.76	951.67	1,323.69	1,270.47	53.22	24.874		
5,500.00	5,295.63	5,344.36	5,245.41	30.72	26.36	-135.18	306.18	971.03	1,348.45	1,294.22	54.22	24.869		
5,600.00	5,391.32	5,441.24	5,340.27	31.31	26.85	-135.20	309.59	990.40	1,373.21	1,317.98	55.23	24.863		
5,700.00	5,487.00	5,538.13	5,435.14	31.90	27.34	-135.23	313.01	1,009.76	1,397.97	1,341.73	56.24	24.858		
5,800.00	5,582.69	5,635.01	5,530.01	32.48	27.82	-135.25	316.42	1,029.13	1,422.73	1,365.48	57.25	24.852		
5,900.00	5,678.38	5,731.89	5,624.88	33.07	28.31	-135.27	319.83	1,048.49	1,447.49	1,389.23	58.26	24.847		
6,000.00	5,774.06	5,828.78	5,719.75	33.65	28.80	-135.29	323.25	1,067.85	1,472.25	1,412.98	59.27	24.841		
6,100.00	5,869.75	5,925.66	5,814.62	34.24	29.28	-135.30	326.66	1,087.22	1,497.01	1,436.73	60.28	24.836		
6,200.00	5,965.44	6,022.55	5,909.49	34.83	29.77	-135.32	330.08	1,106.58	1,521.77	1,460.49	61.29	24.831		
6,300.00	6,061.12	6,119.43	6,004.35	35.41	30.26	-135.34	333.49	1,125.95	1,546.53	1,484.24	62.30	24.826		
6,400.00	6,156.81	6,216.32	6,099.22	36.00	30.74	-135.36	336.91	1,145.31	1,571.29	1,507.99	63.31	24.821		
6,500.00	6,252.50	6,313.20	6,194.09	36.59	31.23	-135.37	340.32	1,164.68	1,596.05	1,531.74	64.32	24.816		
6,600.00	6,348.18	6,410.09	6,288.96	37.18	31.72	-135.39	343.74	1,184.04	1,620.82	1,555.49	65.33	24.811		
6,636.04	6,382.67	6,445.01	6,323.15	37.39	31.89	-135.40	344.97	1,191.02	1,629.74	1,564.05	65.69	24.809		
6,650.00	6,396.05	6,458.53	6,336.39	37.47	31.96	-139.00	345.44	1,193.73	1,633.21	1,567.37	65.83	24.809		
6,700.00	6,444.38	6,506.14	6,383.05	37.74	32.20	-154.66	347.13	1,203.04	1,645.75	1,579.44	66.31	24.818		
6,750.00	6,493.07	6,552.48	6,428.90	37.98	32.41	-174.36	348.84	1,209.49	1,658.51	1,591.76	66.75	24.848		
6,800.00	6,541.82	6,599.02	6,475.29	38.18	32.61	164.95	350.64	1,212.58	1,671.40	1,604.26	67.14	24.894		
6,850.00	6,590.35	6,645.80	6,522.02	38.35	32.78	147.34	352.52	1,212.27	1,684.35	1,616.84	67.50	24.952		
6,900.00	6,638.34	6,692.89	6,568.90	38.50	32.95	134.14	354.49	1,208.49	1,697.29	1,629.43	67.86	25.013		
6,950.00	6,685.50	6,740.32	6,615.71	38.64	33.12	124.59	356.52	1,201.19	1,710.13	1,641.91	68.22	25.069		
7,000.00	6,731.54	6,788.15	6,662.23	38.77	33.30	117.57	358.61	1,190.32	1,722.81	1,654.21	68.59	25.116		
7,050.00	6,776.18	6,836.43	6,708.22	38.90	33.49	112.23	360.76	1,175.83	1,735.24	1,666.24	68.99	25.150		
7,100.00	6,819.14	6,885.21	6,753.44	39.03	33.69	108.05	362.95	1,157.69	1,747.35	1,677.93	69.42	25.170		
7,150.00	6,860.16	6,934.54	6,797.62	39.16	33.91	104.68	365.18	1,135.88	1,759.07	1,689.19	69.89	25.170		
7,200.00	6,898.98	6,984.45	6,840.46	39.31	34.15	101.92	367.42	1,110.40	1,770.33	1,699.94	70.39	25.150		
7,250.00	6,935.36	7,034.99	6,881.67	39.47	34.42	99.61	369.68	1,081.25	1,781.05	1,710.11	70.95	25.104		
7,300.00	6,969.08	7,086.19	6,920.93	39.65	34.71	97.67	371.94	1,048.48	1,791.18	1,719.62	71.56	25.032		
7,350.00	6,999.94	7,138.07	6,957.89	39.85	35.04	96.03	374.17	1,012.16	1,800.64	1,728.41	72.23	24.929		
7,400.00	7,027.74	7,190.65	6,992.20	40.08	35.41	94.64	376.37	972.41	1,809.38	1,736.40	72.97	24.795		
7,450.00	7,052.31	7,243.91	7,023.50	40.34	35.82	93.48	378.51	929.38	1,817.33	1,743.54	73.80	24.626		
7,500.00	7,073.49	7,297.86	7,051.42	40.63	36.27	92.51	380.59	883.29	1,824.46	1,749.75	74.70	24.423		
7,550.00	7,091.17	7,352.47	7,075.61	40.95	36.79	91.72	382.57	834.39	1,830.70	1,755.00	75.70	24.184		
7,600.00	7,105.22	7,407.69	7,095.72	41.31	37.35	91.10	384.43	783.01	1,836.02	1,759.24	76.78	23.913		
7,650.00	7,115.57	7,463.48	7,111.44	41.71	37.97	90.63	386.17	729.52	1,840.37	1,762.43	77.94	23.612		
7,700.00	7,122.15	7,519.77	7,122.50	42.15	38.63	90.32	387.75	674.37	1,843.74	1,764.56	79.18	23.286		
7,750.00	7,124.91	7,576.48	7,128.67	42.62	39.33	90.15	389.16	618.04	1,846.08	1,765.61	80.47	22.940		
7,759.54	7,125.00	7,587.34	7,129.28	42.72	39.46	90.14	389.41	607.20	1,846.41	1,765.69	80.73	22.872		
7,800.00	7,125.10	7,631.37	7,130.03	43.13	40.04	90.16	390.34	563.19	1,847.68	1,765.88	81.80	22.587		
7,900.00	7,125.34	7,731.32	7,130.22	44.28	41.43	90.16	392.41	463.26	1,850.75	1,766.16	84.59	21.880		
8,000.00	7,125.58	7,831.28	7,130.41	45.61	42.97	90.15	394.48	363.33	1,853.82	1,766.17	87.65	21.151		
8,100.00	7,125.82	7,931.23	7,130.61	47.10	44.64	90.15	396.54	263.39	1,856.89	1,765.93	90.96	20.414		
8,200.00	7,126.06	8,031.18	7,130.80	48.72	46.42	90.15	398.61	163.46	1,859.96	1,765.45	94.51	19.680		
8,300.00	7,126.30	8,131.13	7,131.00	50.48	48.31	90.15	400.68	63.53	1,863.03	1,764.77	98.26	18.960		
8,400.00	7,126.54	8,231.09	7,131.19	52.34	50.29	90.15	402.75	-36.40	1,866.10	1,763.90	102.20	18.260		
8,500.00	7,126.78	8,331.04	7,131.38	54.30	52.35	90.15	404.81	-136.33	1,869.17	1,762.87	106.29	17.585		
8,600.00	7,127.02	8,430.99	7,131.58	56.35	54.49	90.14	406.88	-236.26	1,872.24	1,761.70	110.53	16.938		
8,700.00	7,127.26	8,530.95	7,131.77	58.47	56.69	90.14	408.95	-336.19	1,875.30	1,760.40	114.90	16.321		
8,800.00	7,127.50	8,630.90	7,131.96	60.66	58.94	90.14	411.02	-436.13	1,878.37	1,758.99	119.39	15.733		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	8,730.85	7,132.16	62.90	61.25	90.14	413.08	-536.06	1,881.44	1,757.47	123.97	15.176		
9,000.00	7,127.98	8,830.80	7,132.35	65.19	63.61	90.14	415.15	-635.99	1,884.51	1,755.86	128.65	14.648		
9,100.00	7,128.22	8,930.76	7,132.55	67.53	66.00	90.14	417.22	-735.92	1,887.58	1,754.17	133.41	14.149		
9,200.00	7,128.46	9,030.71	7,132.74	69.92	68.43	90.13	419.28	-835.85	1,890.65	1,752.41	138.24	13.677		
9,300.00	7,128.70	9,130.66	7,132.93	72.33	70.89	90.13	421.35	-935.78	1,893.72	1,750.58	143.14	13.230		
9,400.00	7,128.94	9,230.62	7,133.13	74.78	73.38	90.13	423.42	-1,035.71	1,896.79	1,748.70	148.09	12.808		
9,500.00	7,129.18	9,330.57	7,133.32	77.26	75.90	90.13	425.49	-1,135.64	1,899.86	1,746.76	153.10	12.409		
9,600.00	7,129.42	9,430.52	7,133.52	79.76	78.44	90.13	427.55	-1,235.58	1,902.93	1,744.77	158.16	12.032		
9,700.00	7,129.66	9,530.47	7,133.71	82.29	81.01	90.13	429.62	-1,335.51	1,906.00	1,742.74	163.26	11.675		
9,800.00	7,129.90	9,630.43	7,133.90	84.84	83.59	90.12	431.69	-1,435.44	1,909.07	1,740.67	168.40	11.336		
9,900.00	7,130.14	9,730.38	7,134.10	87.41	86.19	90.12	433.76	-1,535.37	1,912.14	1,738.56	173.58	11.016		
10,000.00	7,130.38	9,830.33	7,134.29	90.00	88.81	90.12	435.82	-1,635.30	1,915.21	1,736.42	178.79	10.712		
10,100.00	7,130.62	9,930.29	7,134.48	92.60	91.44	90.12	437.89	-1,735.23	1,918.28	1,734.25	184.03	10.424		
10,200.00	7,130.86	10,030.24	7,134.68	95.22	94.09	90.12	439.96	-1,835.16	1,921.35	1,732.05	189.30	10.150		
10,300.00	7,131.09	10,130.19	7,134.87	97.85	96.74	90.12	442.03	-1,935.09	1,924.42	1,729.83	194.59	9.890		
10,400.00	7,131.33	10,230.14	7,135.07	100.50	99.41	90.12	444.09	-2,035.03	1,927.49	1,727.58	199.91	9.642		
10,500.00	7,131.57	10,330.10	7,135.26	103.16	102.09	90.11	446.16	-2,134.96	1,930.55	1,725.31	205.25	9.406		
10,600.00	7,131.81	10,430.05	7,135.45	105.82	104.78	90.11	448.23	-2,234.89	1,933.62	1,723.02	210.61	9.181		
10,700.00	7,132.05	10,530.00	7,135.65	108.50	107.48	90.11	450.29	-2,334.82	1,936.69	1,720.71	215.98	8.967		
10,800.00	7,132.29	10,629.96	7,135.84	111.19	110.19	90.11	452.36	-2,434.75	1,939.76	1,718.39	221.38	8.762		
10,900.00	7,132.53	10,729.91	7,136.03	113.88	112.91	90.11	454.43	-2,534.68	1,942.83	1,716.04	226.79	8.567		
11,000.00	7,132.77	10,829.86	7,136.23	116.58	115.63	90.11	456.50	-2,634.61	1,945.90	1,713.69	232.21	8.380		
11,100.00	7,133.01	10,929.82	7,136.42	119.29	118.36	90.10	458.56	-2,734.54	1,948.97	1,711.32	237.65	8.201		
11,200.00	7,133.25	11,029.77	7,136.62	122.01	121.09	90.10	460.63	-2,834.48	1,952.04	1,708.94	243.11	8.030		
11,300.00	7,133.49	11,129.72	7,136.81	124.73	123.83	90.10	462.70	-2,934.41	1,955.11	1,706.54	248.57	7.865		
11,400.00	7,133.73	11,229.67	7,137.00	127.46	126.58	90.10	464.77	-3,034.34	1,958.18	1,704.13	254.04	7.708		
11,500.00	7,133.97	11,329.63	7,137.20	130.19	129.33	90.10	466.83	-3,134.27	1,961.25	1,701.72	259.53	7.557		
11,600.00	7,134.21	11,429.58	7,137.39	132.93	132.09	90.10	468.90	-3,234.20	1,964.32	1,699.29	265.03	7.412		
11,700.00	7,134.45	11,529.53	7,137.58	135.68	134.85	90.10	470.97	-3,334.13	1,967.39	1,696.86	270.53	7.272		
11,800.00	7,134.69	11,629.49	7,137.78	138.43	137.62	90.09	473.04	-3,434.06	1,970.46	1,694.41	276.05	7.138		
11,900.00	7,134.93	11,729.44	7,137.97	141.18	140.38	90.09	475.10	-3,534.00	1,973.53	1,691.96	281.57	7.009		
12,000.00	7,135.17	11,829.39	7,138.17	143.94	143.16	90.09	477.17	-3,633.93	1,976.60	1,689.50	287.10	6.885		
12,100.00	7,135.41	11,929.34	7,138.36	146.70	145.93	90.09	479.24	-3,733.86	1,979.67	1,687.03	292.64	6.765		
12,200.00	7,135.65	12,029.30	7,138.55	149.46	148.71	90.09	481.30	-3,833.79	1,982.74	1,684.56	298.18	6.649		
12,300.00	7,135.89	12,129.25	7,138.75	152.23	151.50	90.09	483.37	-3,933.72	1,985.80	1,682.07	303.73	6.538		
12,400.00	7,136.13	12,229.20	7,138.94	155.00	154.28	90.09	485.44	-4,033.65	1,988.87	1,679.59	309.29	6.431		
12,500.00	7,136.37	12,329.16	7,139.14	157.78	157.07	90.08	487.51	-4,133.58	1,991.94	1,677.09	314.85	6.327		
12,600.00	7,136.61	12,429.11	7,139.33	160.55	159.86	90.08	489.57	-4,233.51	1,995.01	1,674.60	320.42	6.226		
12,700.00	7,136.85	12,529.06	7,139.52	163.33	162.66	90.08	491.64	-4,333.45	1,998.08	1,672.09	325.99	6.129		
12,800.00	7,137.09	12,629.01	7,139.72	166.12	165.46	90.08	493.71	-4,433.38	2,001.15	1,669.58	331.57	6.035		
12,900.00	7,137.33	12,728.97	7,139.91	168.90	168.25	90.08	495.78	-4,533.31	2,004.22	1,667.07	337.15	5.945		
13,000.00	7,137.57	12,828.92	7,140.10	171.69	171.06	90.08	497.84	-4,633.24	2,007.29	1,664.55	342.74	5.857		
13,100.00	7,137.81	12,928.87	7,140.30	174.48	173.86	90.08	499.91	-4,733.17	2,010.36	1,662.03	348.33	5.771		
13,200.00	7,138.05	13,028.83	7,140.49	177.27	176.66	90.07	501.98	-4,833.10	2,013.43	1,659.50	353.93	5.689		
13,300.00	7,138.29	13,128.78	7,140.69	180.07	179.47	90.07	504.04	-4,933.03	2,016.50	1,656.97	359.53	5.609		
13,400.00	7,138.53	13,228.73	7,140.88	182.86	182.28	90.07	506.11	-5,032.96	2,019.57	1,654.44	365.13	5.531		
13,500.00	7,138.77	13,328.68	7,141.07	185.66	185.09	90.07	508.18	-5,132.90	2,022.64	1,651.90	370.74	5.456		
13,600.00	7,139.01	13,428.64	7,141.27	188.46	187.90	90.07	510.25	-5,232.83	2,025.71	1,649.36	376.35	5.382		
13,700.00	7,139.25	13,528.59	7,141.46	191.26	190.72	90.07	512.31	-5,332.76	2,028.78	1,646.81	381.97	5.311		
13,800.00	7,139.49	13,628.54	7,141.65	194.06	193.53	90.07	514.38	-5,432.69	2,031.85	1,644.26	387.58	5.242		
13,900.00	7,139.73	13,728.50	7,141.85	196.87	196.35	90.06	516.45	-5,532.62	2,034.92	1,641.71	393.20	5.175		
14,000.00	7,139.97	13,828.45	7,142.04	199.68	199.17	90.06	518.52	-5,632.55	2,037.99	1,639.16	398.83	5.110		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	13,928.40	7,142.24	202.48	201.99	90.06	520.58	-5,732.48	2,041.06	1,636.60	404.45	5.046		
14,200.00	7,140.45	14,028.35	7,142.43	205.29	204.81	90.06	522.65	-5,832.42	2,044.12	1,634.05	410.08	4.985		
14,300.00	7,140.69	14,128.31	7,142.62	208.10	207.63	90.06	524.72	-5,932.35	2,047.19	1,631.48	415.71	4.925		
14,400.00	7,140.93	14,228.26	7,142.82	210.91	210.45	90.06	526.79	-6,032.28	2,050.26	1,628.92	421.34	4.866		
14,500.00	7,141.17	14,328.21	7,143.01	213.73	213.27	90.06	528.85	-6,132.21	2,053.33	1,626.35	426.98	4.809		
14,600.00	7,141.41	14,428.17	7,143.20	216.54	216.10	90.05	530.92	-6,232.14	2,056.40	1,623.79	432.62	4.753		
14,700.00	7,141.65	14,528.12	7,143.40	219.36	218.93	90.05	532.99	-6,332.07	2,059.47	1,621.22	438.26	4.699		
14,800.00	7,141.89	14,628.07	7,143.59	222.17	221.75	90.05	535.05	-6,432.00	2,062.54	1,618.64	443.90	4.646		
14,900.00	7,142.13	14,728.02	7,143.79	224.99	224.58	90.05	537.12	-6,531.93	2,065.61	1,616.07	449.54	4.595		
15,000.00	7,142.36	14,827.98	7,143.98	227.81	227.41	90.05	539.19	-6,631.87	2,068.68	1,613.49	455.19	4.545		
15,100.00	7,142.60	15,064.81	7,144.44	230.63	234.08	90.05	535.38	-6,868.60	2,067.56	1,603.59	463.97	4.456		
15,200.00	7,142.84	15,164.74	7,144.64	233.45	236.88	90.04	530.83	-6,968.44	2,064.02	1,594.42	469.60	4.395		
15,300.00	7,143.08	15,264.68	7,144.84	236.27	239.69	90.04	526.29	-7,068.27	2,060.47	1,585.25	475.22	4.336		
15,400.00	7,143.32	15,364.62	7,145.03	239.09	242.49	90.04	521.75	-7,168.11	2,056.93	1,576.08	480.85	4.278		
15,500.00	7,143.56	15,464.55	7,145.23	241.91	245.29	90.04	517.21	-7,267.94	2,053.39	1,566.90	486.48	4.221		
15,600.00	7,143.80	15,564.49	7,145.43	244.73	248.10	90.04	512.67	-7,367.77	2,049.84	1,557.73	492.12	4.165		
15,700.00	7,144.04	15,664.43	7,145.62	247.56	250.91	90.04	508.13	-7,467.61	2,046.30	1,548.55	497.75	4.111		
15,800.00	7,144.28	15,764.37	7,145.82	250.38	253.71	90.04	503.58	-7,567.44	2,042.76	1,539.37	503.39	4.058		
15,900.00	7,144.52	15,864.30	7,146.02	253.21	256.52	90.04	499.04	-7,667.27	2,039.21	1,530.19	509.02	4.006		
16,000.00	7,144.76	15,964.24	7,146.21	256.03	259.33	90.04	494.50	-7,767.11	2,035.67	1,521.01	514.66	3.955		
16,100.00	7,145.00	16,064.18	7,146.41	258.86	262.14	90.03	489.96	-7,866.94	2,032.13	1,511.82	520.30	3.906		
16,200.00	7,145.24	16,164.11	7,146.61	261.69	264.95	90.03	485.42	-7,966.78	2,028.58	1,502.64	525.94	3.857		
16,300.00	7,145.48	16,264.05	7,146.80	264.52	267.76	90.03	480.88	-8,066.61	2,025.04	1,493.45	531.59	3.809		
16,400.00	7,145.72	16,363.99	7,147.00	267.35	270.57	90.03	476.34	-8,166.44	2,021.49	1,484.27	537.23	3.763		
16,500.00	7,145.96	16,463.93	7,147.20	270.18	273.38	90.03	471.79	-8,266.28	2,017.95	1,475.08	542.87	3.717		
16,600.00	7,146.20	16,563.86	7,147.39	273.01	276.20	90.03	467.25	-8,366.11	2,014.41	1,465.89	548.52	3.672		
16,700.00	7,146.44	16,663.80	7,147.59	275.84	279.01	90.03	462.71	-8,465.94	2,010.86	1,456.70	554.16	3.629		
16,800.00	7,146.68	16,763.74	7,147.79	278.67	281.82	90.03	458.17	-8,565.78	2,007.32	1,447.51	559.81	3.586		
16,900.00	7,146.92	16,863.67	7,147.98	281.50	284.64	90.03	453.63	-8,665.61	2,003.78	1,438.32	565.46	3.544		
17,000.00	7,147.16	16,963.61	7,148.18	284.33	287.45	90.02	449.09	-8,765.45	2,000.23	1,429.12	571.11	3.502		
17,100.00	7,147.40	17,063.55	7,148.38	287.16	290.27	90.02	444.55	-8,865.28	1,996.69	1,419.93	576.76	3.462		
17,200.00	7,147.64	17,163.49	7,148.57	290.00	293.08	90.02	440.00	-8,965.11	1,993.15	1,410.73	582.41	3.422		
17,300.00	7,147.88	17,263.42	7,148.77	292.83	295.90	90.02	435.46	-9,064.95	1,989.60	1,401.54	588.06	3.383		
17,400.00	7,148.12	17,363.36	7,148.96	295.66	298.72	90.02	430.92	-9,164.78	1,986.06	1,392.34	593.72	3.345		
17,500.00	7,148.36	17,463.30	7,149.16	298.50	301.53	90.02	426.38	-9,264.61	1,982.51	1,383.14	599.37	3.308		
17,600.00	7,148.60	17,563.24	7,149.36	301.33	304.35	90.02	421.84	-9,364.45	1,978.97	1,373.95	605.02	3.271		
17,700.00	7,148.84	17,663.17	7,149.55	304.17	307.17	90.02	417.30	-9,464.28	1,975.43	1,364.75	610.68	3.235		
17,800.00	7,149.08	17,763.11	7,149.75	307.00	309.99	90.01	412.75	-9,564.12	1,971.88	1,355.55	616.34	3.199		
17,900.00	7,149.32	17,863.05	7,149.95	309.84	312.81	90.01	408.21	-9,663.95	1,968.34	1,346.35	621.99	3.165		
18,000.00	7,149.56	17,962.98	7,150.14	312.68	315.63	90.01	403.67	-9,763.78	1,964.80	1,337.15	627.65	3.130		
18,100.00	7,149.80	18,062.92	7,150.34	315.51	318.45	90.01	399.13	-9,863.62	1,961.25	1,327.94	633.31	3.097		
18,200.00	7,150.04	18,162.86	7,150.54	318.35	321.27	90.01	394.59	-9,963.45	1,957.71	1,318.74	638.97	3.064		
18,300.00	7,150.28	18,262.80	7,150.73	321.19	324.09	90.01	390.05	-10,063.28	1,954.17	1,309.54	644.63	3.031		
18,400.00	7,150.52	18,362.73	7,150.93	324.03	326.91	90.01	385.51	-10,163.12	1,950.62	1,300.33	650.29	3.000		
18,500.00	7,150.76	18,462.67	7,151.13	326.86	329.73	90.01	380.96	-10,262.95	1,947.08	1,291.13	655.95	2.968		
18,600.00	7,151.00	18,562.61	7,151.32	329.70	332.55	90.00	376.42	-10,362.79	1,943.53	1,281.93	661.61	2.938		
18,700.00	7,151.24	18,662.54	7,151.52	332.54	335.37	90.00	371.88	-10,462.62	1,939.99	1,272.72	667.27	2.907		
18,800.00	7,151.48	18,762.48	7,151.72	335.38	338.20	90.00	367.34	-10,562.45	1,936.45	1,263.51	672.93	2.878		
18,900.00	7,151.72	18,862.42	7,151.91	338.22	341.02	90.00	362.80	-10,662.29	1,932.90	1,254.31	678.60	2.848		
19,000.00	7,151.96	18,962.36	7,152.00	341.06	342.26	90.00	360.81	-10,706.09	1,930.18	1,246.93	683.25	2.825		
19,012.31	7,151.99	18,906.26	7,152.00	341.41	342.26	90.00	360.81	-10,706.09	1,930.14	1,246.49	683.64	2.823		
19,018.30	7,152.00	18,906.26	7,152.00	341.58	342.26	90.00	360.81	-10,706.09	1,930.15	1,246.32	683.83	2.823 SF		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-47.09	1,577.13	-1,696.85	2,316.60					
100.00	100.00	104.00	96.00	3.28	3.78	-47.09	1,577.13	-1,696.85	2,316.60	2,309.53	7.07	327.767		
200.00	200.00	204.00	196.00	3.34	6.30	-47.09	1,577.13	-1,696.85	2,316.60	2,306.97	9.63	240.442 CC		
300.00	299.98	304.02	295.98	3.44	9.46	175.66	1,577.13	-1,696.85	2,318.34	2,305.45	12.90	179.775 ES		
400.00	399.84	404.16	395.84	3.59	12.79	175.66	1,577.13	-1,696.85	2,323.56	2,307.17	16.39	141.803		
500.00	499.45	504.55	495.45	3.80	16.20	175.66	1,577.13	-1,696.85	2,332.25	2,312.25	20.00	116.615		
600.00	598.70	605.30	594.70	4.04	19.66	175.67	1,577.13	-1,696.85	2,344.40	2,320.70	23.70	98.920		
700.00	697.47	706.53	693.47	4.32	23.15	175.67	1,577.13	-1,696.85	2,360.00	2,332.53	27.47	85.909		
800.00	795.62	808.38	791.62	4.65	26.68	175.68	1,577.13	-1,696.85	2,379.03	2,347.72	31.30	75.996		
900.00	893.06	889.06	889.06	5.01	29.47	175.68	1,577.13	-1,696.85	2,401.46	2,367.03	34.44	69.734		
1,000.00	989.64	985.64	985.64	5.42	32.83	175.69	1,577.13	-1,696.85	2,427.28	2,389.13	38.15	63.626		
1,044.50	1,032.32	1,028.32	1,028.32	5.61	34.31	175.69	1,577.13	-1,696.85	2,439.84	2,400.04	39.80	61.300		
1,100.00	1,085.43	1,081.43	1,081.43	5.86	36.16	175.72	1,577.13	-1,696.85	2,455.92	2,414.07	41.86	58.677		
1,200.00	1,181.11	1,177.11	1,177.11	6.33	39.48	175.77	1,577.13	-1,696.85	2,484.90	2,439.34	45.56	54.536		
1,300.00	1,276.80	1,272.80	1,272.80	6.81	42.81	175.82	1,577.13	-1,696.85	2,513.88	2,464.60	49.29	51.002		
1,400.00	1,372.49	1,368.49	1,368.49	7.31	46.15	175.87	1,577.13	-1,696.85	2,542.87	2,489.84	53.03	47.953		
1,500.00	1,468.17	1,464.17	1,464.17	7.83	49.48	175.91	1,577.13	-1,696.85	2,571.85	2,515.08	56.78	45.297		
1,600.00	1,563.86	1,559.86	1,559.86	8.35	52.81	175.96	1,577.13	-1,696.85	2,600.84	2,540.30	60.54	42.963		
1,700.00	1,659.55	1,655.55	1,655.55	8.88	56.15	176.00	1,577.13	-1,696.85	2,629.83	2,565.53	64.30	40.897		
1,800.00	1,755.23	1,751.23	1,751.23	9.42	59.48	176.05	1,577.13	-1,696.85	2,658.82	2,590.74	68.08	39.057		
1,900.00	1,850.92	1,846.92	1,846.92	9.97	62.82	176.09	1,577.13	-1,696.85	2,687.81	2,615.95	71.85	37.406		
2,000.00	1,946.61	1,942.61	1,942.61	10.52	66.15	176.13	1,577.13	-1,696.85	2,716.80	2,641.16	75.64	35.919		
2,100.00	2,042.29	2,038.29	2,038.29	11.07	69.49	176.17	1,577.13	-1,696.85	2,745.79	2,666.37	79.43	34.571		
2,200.00	2,137.98	2,133.98	2,133.98	11.63	72.83	176.21	1,577.13	-1,696.85	2,774.79	2,691.57	83.22	33.344		
2,300.00	2,233.67	2,229.67	2,229.67	12.19	76.16	176.25	1,577.13	-1,696.85	2,803.78	2,716.77	87.01	32.224		
2,400.00	2,329.35	2,325.35	2,325.35	12.76	79.50	176.29	1,577.13	-1,696.85	2,832.78	2,741.97	90.81	31.196		
2,500.00	2,425.04	2,421.04	2,421.04	13.32	82.84	176.33	1,577.13	-1,696.85	2,861.78	2,767.17	94.61	30.249		
2,600.00	2,520.72	2,516.72	2,516.72	13.89	86.18	176.36	1,577.13	-1,696.85	2,890.78	2,792.37	98.41	29.375		
2,700.00	2,616.41	2,612.41	2,612.41	14.46	89.51	176.40	1,577.13	-1,696.85	2,919.78	2,817.57	102.21	28.566		
2,800.00	2,712.10	2,708.10	2,708.10	15.03	92.85	176.44	1,577.13	-1,696.85	2,948.78	2,842.77	106.02	27.814		
2,900.00	2,807.78	2,803.78	2,803.78	15.60	96.19	176.47	1,577.13	-1,696.85	2,977.78	2,867.96	109.82	27.114		
3,000.00	2,903.47	2,900.53	2,899.47	16.18	99.57	176.50	1,577.13	-1,696.85	3,006.79	2,893.12	113.67	26.452		
3,100.00	2,999.16	3,004.84	2,995.16	16.75	103.21	176.54	1,577.13	-1,696.85	3,035.79	2,918.01	117.78	25.776		
3,200.00	3,094.84	3,109.16	3,090.84	17.33	106.85	176.57	1,577.13	-1,696.85	3,064.80	2,942.91	121.89	25.144		
3,300.00	3,190.53	3,186.53	3,186.53	17.90	109.55	176.60	1,577.13	-1,696.85	3,093.80	2,968.74	125.06	24.738		
3,400.00	3,286.22	3,282.22	3,282.22	18.48	112.88	176.63	1,577.13	-1,696.85	3,122.81	2,993.94	128.87	24.232		
3,500.00	3,381.90	3,377.90	3,377.90	19.06	116.22	176.66	1,577.13	-1,696.85	3,151.82	3,019.13	132.69	23.754		
3,600.00	3,477.59	3,473.59	3,473.59	19.64	119.56	176.70	1,577.13	-1,696.85	3,180.83	3,044.33	136.50	23.303		
3,700.00	3,573.28	3,569.28	3,569.28	20.22	122.90	176.73	1,577.13	-1,696.85	3,209.84	3,069.52	140.32	22.876		
3,800.00	3,668.96	3,664.96	3,664.96	20.80	126.24	176.75	1,577.13	-1,696.85	3,238.85	3,094.72	144.13	22.472		
3,900.00	3,764.65	3,760.65	3,760.65	21.38	129.58	176.78	1,577.13	-1,696.85	3,267.86	3,119.91	147.95	22.088		
4,000.00	3,860.33	3,856.33	3,856.33	21.96	132.92	176.81	1,577.13	-1,696.85	3,296.87	3,145.11	151.76	21.724		
4,100.00	3,956.02	3,952.02	3,952.02	22.54	136.26	176.84	1,577.13	-1,696.85	3,325.88	3,170.30	155.58	21.377		
4,200.00	4,051.71	4,047.71	4,047.71	23.13	139.60	176.87	1,577.13	-1,696.85	3,354.90	3,195.50	159.40	21.047		
4,300.00	4,147.39	4,143.39	4,143.39	23.71	142.94	176.89	1,577.13	-1,696.85	3,383.91	3,220.70	163.21	20.733		
4,400.00	4,243.08	4,239.08	4,239.08	24.29	146.28	176.92	1,577.13	-1,696.85	3,412.93	3,245.89	167.03	20.433		
4,500.00	4,338.77	4,334.77	4,334.77	24.88	149.62	176.95	1,577.13	-1,696.85	3,441.94	3,271.09	170.85	20.146		
4,600.00	4,434.45	4,430.45	4,430.45	25.46	152.96	176.97	1,577.13	-1,696.85	3,470.96	3,296.29	174.67	19.871		
4,700.00	4,530.14	4,526.14	4,526.14	26.04	156.30	177.00	1,577.13	-1,696.85	3,499.97	3,321.48	178.49	19.609		
4,800.00	4,625.83	4,621.83	4,621.83	26.63	159.64	177.02	1,577.13	-1,696.85	3,528.99	3,346.68	182.31	19.357		
4,900.00	4,721.51	4,717.51	4,717.51	27.21	162.98	177.05	1,577.13	-1,696.85	3,558.01	3,371.88	186.13	19.116		
5,000.00	4,817.20	4,813.20	4,813.20	27.80	166.32	177.07	1,577.13	-1,696.85	3,587.03	3,397.08	189.95	18.884		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,908.89	4,908.89	28.38	169.66	177.09	1,577.13	-1,696.85	3,616.05	3,422.28	193.77	18.661		
5,200.00	5,008.57	5,004.57	5,004.57	28.97	173.00	177.12	1,577.13	-1,696.85	3,645.07	3,447.47	197.59	18.447		
5,300.00	5,104.26	5,100.26	5,100.26	29.55	176.34	177.14	1,577.13	-1,696.85	3,674.09	3,472.67	201.41	18.242		
5,400.00	5,199.94	5,204.06	5,195.94	30.14	179.96	177.16	1,577.13	-1,696.85	3,703.11	3,497.59	205.52	18.018		
5,500.00	5,295.63	5,308.37	5,291.63	30.72	183.60	177.18	1,577.13	-1,696.85	3,732.13	3,522.49	209.64	17.803		
5,600.00	5,391.32	5,387.32	5,387.32	31.31	186.35	177.21	1,577.13	-1,696.85	3,761.15	3,548.27	212.88	17.668		
5,700.00	5,487.00	5,483.00	5,483.00	31.90	189.69	177.23	1,577.13	-1,696.85	3,790.17	3,573.47	216.70	17.490		
5,800.00	5,582.69	5,578.69	5,578.69	32.48	193.03	177.25	1,577.13	-1,696.85	3,819.19	3,598.67	220.52	17.319		
5,900.00	5,678.38	5,674.38	5,674.38	33.07	196.37	177.27	1,577.13	-1,696.85	3,848.22	3,623.87	224.35	17.153		
6,000.00	5,774.06	5,770.06	5,770.06	33.65	199.71	177.29	1,577.13	-1,696.85	3,877.24	3,649.07	228.17	16.993		
6,100.00	5,869.75	5,865.75	5,865.75	34.24	203.05	177.31	1,577.13	-1,696.85	3,906.27	3,674.27	231.99	16.838		
6,200.00	5,965.44	5,961.44	5,961.44	34.83	206.39	177.33	1,577.13	-1,696.85	3,935.29	3,699.48	235.81	16.688		
6,300.00	6,061.12	6,057.12	6,057.12	35.41	209.73	177.35	1,577.13	-1,696.85	3,964.31	3,724.68	239.64	16.543		
6,400.00	6,156.81	6,152.81	6,152.81	36.00	213.07	177.37	1,577.13	-1,696.85	3,993.34	3,749.88	243.46	16.402		
6,500.00	6,252.50	6,248.50	6,248.50	36.59	216.41	177.39	1,577.13	-1,696.85	4,022.37	3,775.08	247.28	16.266		
6,600.00	6,348.18	6,344.18	6,344.18	37.18	219.75	177.41	1,577.13	-1,696.85	4,051.39	3,800.28	251.11	16.134		
6,636.04	6,382.67	6,378.67	6,378.67	37.39	220.96	177.41	1,577.13	-1,696.85	4,061.85	3,809.37	252.49	16.087		
6,650.00	6,396.05	6,407.95	6,392.05	37.47	221.98	173.87	1,577.13	-1,696.85	4,065.80	3,812.23	253.58	16.034		
6,700.00	6,444.38	6,440.38	6,440.38	37.74	223.11	158.49	1,577.13	-1,696.85	4,078.27	3,823.33	254.94	15.997		
6,750.00	6,493.07	6,489.07	6,489.07	37.98	224.81	139.28	1,577.13	-1,696.85	4,088.06	3,831.19	256.87	15.915		
6,800.00	6,541.82	6,537.82	6,537.82	38.18	226.51	119.33	1,577.13	-1,696.85	4,095.12	3,836.34	258.78	15.825		
6,850.00	6,590.35	6,586.35	6,586.35	38.35	228.21	102.65	1,577.13	-1,696.85	4,099.42	3,838.75	260.66	15.727		
6,900.00	6,638.34	6,634.34	6,634.34	38.50	229.88	90.58	1,577.13	-1,696.85	4,100.96	3,838.44	262.51	15.622		
6,950.00	6,685.50	6,681.50	6,681.50	38.64	231.53	82.35	1,577.13	-1,696.85	4,099.75	3,835.44	264.32	15.511		
7,000.00	6,731.54	6,727.54	6,727.54	38.77	233.14	76.81	1,577.13	-1,696.85	4,095.84	3,829.78	266.06	15.394		
7,050.00	6,776.18	6,772.18	6,772.18	38.90	234.69	73.14	1,577.13	-1,696.85	4,089.29	3,821.54	267.75	15.273		
7,100.00	6,819.14	6,815.14	6,815.14	39.03	236.19	70.78	1,577.13	-1,696.85	4,080.17	3,810.81	269.36	15.148		
7,150.00	6,860.16	6,856.16	6,856.16	39.16	237.63	69.40	1,577.13	-1,696.85	4,068.58	3,797.68	270.90	15.019		
7,200.00	6,898.98	6,905.02	6,894.98	39.31	239.33	68.78	1,577.13	-1,696.85	4,054.62	3,781.91	272.71	14.868		
7,250.00	6,935.36	6,931.36	6,931.36	39.47	240.25	68.77	1,577.13	-1,696.85	4,038.45	3,764.70	273.74	14.753		
7,300.00	6,969.08	6,965.08	6,965.08	39.65	241.43	69.29	1,577.13	-1,696.85	4,020.18	3,745.14	275.04	14.617		
7,350.00	6,999.94	7,004.06	6,995.94	39.85	242.79	70.26	1,577.13	-1,696.85	3,999.98	3,723.44	276.54	14.464		
7,400.00	7,027.74	7,023.74	7,023.74	40.08	243.48	71.63	1,577.13	-1,696.85	3,978.02	3,700.62	277.40	14.341		
7,450.00	7,052.31	7,048.31	7,048.31	40.34	244.33	73.35	1,577.13	-1,696.85	3,954.46	3,676.01	278.45	14.202		
7,500.00	7,073.49	7,069.49	7,069.49	40.63	245.07	75.41	1,577.13	-1,696.85	3,929.49	3,650.06	279.43	14.063		
7,550.00	7,091.17	7,087.17	7,087.17	40.95	245.69	77.75	1,577.13	-1,696.85	3,903.29	3,622.96	280.33	13.924		
7,600.00	7,105.22	7,101.22	7,101.22	41.31	246.18	80.35	1,577.13	-1,696.85	3,876.04	3,594.90	281.14	13.787		
7,650.00	7,115.57	7,111.57	7,111.57	41.71	246.54	83.16	1,577.13	-1,696.85	3,847.95	3,566.07	281.88	13.651		
7,700.00	7,122.15	7,118.15	7,118.15	42.15	246.77	86.16	1,577.13	-1,696.85	3,819.18	3,536.65	282.52	13.518		
7,750.00	7,124.91	7,120.91	7,120.91	42.62	246.87	89.29	1,577.13	-1,696.85	3,789.93	3,506.84	283.08	13.388		
7,759.54	7,125.00	7,121.00	7,121.00	42.72	246.87	89.90	1,577.13	-1,696.85	3,784.31	3,501.13	283.18	13.364		
7,800.00	7,125.10	7,121.10	7,121.10	43.13	246.87	89.90	1,577.13	-1,696.85	3,760.59	3,476.99	283.60	13.260		
7,900.00	7,125.34	7,121.34	7,121.34	44.28	246.88	89.91	1,577.13	-1,696.85	3,703.21	3,418.45	284.76	13.005		
8,000.00	7,125.58	7,121.58	7,121.58	45.61	246.89	89.91	1,577.13	-1,696.85	3,647.67	3,361.56	286.11	12.749		
8,100.00	7,125.82	7,121.82	7,121.82	47.10	246.90	89.91	1,577.13	-1,696.85	3,594.06	3,306.41	287.64	12.495		
8,200.00	7,126.06	7,122.06	7,122.06	48.72	246.91	89.92	1,577.13	-1,696.85	3,542.45	3,253.10	289.35	12.243		
8,300.00	7,126.30	7,122.30	7,122.30	50.48	246.92	89.92	1,577.13	-1,696.85	3,492.95	3,201.73	291.23	11.994		
8,400.00	7,126.54	7,122.54	7,122.54	52.34	246.92	89.93	1,577.13	-1,696.85	3,445.64	3,152.38	293.26	11.749		
8,500.00	7,126.78	7,122.78	7,122.78	54.30	246.93	89.93	1,577.13	-1,696.85	3,400.62	3,105.17	295.45	11.510		
8,600.00	7,127.02	7,123.02	7,123.02	56.35	246.94	89.94	1,577.13	-1,696.85	3,357.96	3,060.20	297.77	11.277		
8,700.00	7,127.26	7,123.26	7,123.26	58.47	246.95	89.94	1,577.13	-1,696.85	3,317.78	3,017.57	300.21	11.052		
8,800.00	7,127.50	7,123.50	7,123.50	60.66	246.96	89.95	1,577.13	-1,696.85	3,280.15	2,977.39	302.76	10.834		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,123.74	7,123.74	62.90	246.97	89.95	1,577.13	-1,696.85	3,245.17	2,939.76	305.42	10.625		
9,000.00	7,127.98	7,123.98	7,123.98	65.19	246.97	89.96	1,577.13	-1,696.85	3,212.92	2,904.77	308.15	10.426		
9,100.00	7,128.22	7,124.22	7,124.22	67.53	246.98	89.96	1,577.13	-1,696.85	3,183.49	2,872.53	310.96	10.238		
9,200.00	7,128.46	7,124.46	7,124.46	69.92	246.99	89.96	1,577.13	-1,696.85	3,156.95	2,843.14	313.82	10.060		
9,300.00	7,128.70	7,124.70	7,124.70	72.33	247.00	89.97	1,577.13	-1,696.85	3,133.38	2,816.66	316.72	9.893		
9,400.00	7,128.94	7,124.94	7,124.94	74.78	247.01	89.97	1,577.13	-1,696.85	3,112.85	2,793.20	319.65	9.738		
9,500.00	7,129.18	7,125.18	7,125.18	77.26	247.02	89.98	1,577.13	-1,696.85	3,095.41	2,772.83	322.58	9.596		
9,600.00	7,129.42	7,125.42	7,125.42	79.76	247.03	89.98	1,577.13	-1,696.85	3,081.12	2,755.60	325.52	9.465		
9,700.00	7,129.66	7,125.66	7,125.66	82.29	247.03	89.99	1,577.13	-1,696.85	3,070.02	2,741.59	328.44	9.347		
9,800.00	7,129.90	7,125.90	7,125.90	84.84	247.04	89.99	1,577.13	-1,696.85	3,062.15	2,730.83	331.32	9.242		
9,900.00	7,130.14	7,126.14	7,126.14	87.41	247.05	90.00	1,577.13	-1,696.85	3,057.53	2,723.37	334.16	9.150		
9,991.32	7,130.35	7,126.35	7,126.35	89.78	247.06	90.00	1,577.13	-1,696.85	3,056.17	2,719.47	336.70	9.077		
10,000.00	7,130.38	7,126.38	7,126.38	90.00	247.06	90.00	1,577.13	-1,696.85	3,056.18	2,719.24	336.94	9.070		
10,100.00	7,130.62	7,126.62	7,126.62	92.60	247.07	90.00	1,577.13	-1,696.85	3,058.10	2,718.45	339.66	9.004		
10,200.00	7,130.86	7,126.86	7,126.86	95.22	247.08	90.01	1,577.13	-1,696.85	3,063.29	2,721.00	342.29	8.949		
10,300.00	7,131.09	7,127.09	7,127.09	97.85	247.08	90.01	1,577.13	-1,696.85	3,071.72	2,726.89	344.83	8.908		
10,400.00	7,131.33	7,127.33	7,127.33	100.50	247.09	90.02	1,577.13	-1,696.85	3,083.37	2,736.10	347.28	8.879		
10,500.00	7,131.57	7,127.57	7,127.57	103.16	247.10	90.02	1,577.13	-1,696.85	3,098.21	2,748.60	349.62	8.862		
10,600.00	7,131.81	7,127.81	7,127.81	105.82	247.11	90.03	1,577.13	-1,696.85	3,116.19	2,764.35	351.85	8.857 SF		
10,700.00	7,132.05	7,128.05	7,128.05	108.50	247.12	90.03	1,577.13	-1,696.85	3,137.26	2,783.30	353.96	8.863		
10,800.00	7,132.29	7,128.29	7,128.29	111.19	247.13	90.04	1,577.13	-1,696.85	3,161.35	2,805.39	355.96	8.881		
10,900.00	7,132.53	7,128.53	7,128.53	113.88	247.13	90.04	1,577.13	-1,696.85	3,188.40	2,830.55	357.84	8.910		
11,000.00	7,132.77	7,128.77	7,128.77	116.58	247.14	90.05	1,577.13	-1,696.85	3,218.32	2,858.72	359.60	8.950		
11,100.00	7,133.01	7,129.01	7,129.01	119.29	247.15	90.05	1,577.13	-1,696.85	3,251.05	2,889.81	361.24	9.000		
11,200.00	7,133.25	7,129.25	7,129.25	122.01	247.16	90.05	1,577.13	-1,696.85	3,286.50	2,923.73	362.77	9.060		
11,300.00	7,133.49	7,129.49	7,129.49	124.73	247.17	90.06	1,577.13	-1,696.85	3,324.58	2,960.40	364.17	9.129		
11,400.00	7,133.73	7,129.73	7,129.73	127.46	247.18	90.06	1,577.13	-1,696.85	3,365.20	2,999.73	365.47	9.208		
11,500.00	7,133.97	7,129.97	7,129.97	130.19	247.18	90.07	1,577.13	-1,696.85	3,408.27	3,041.61	366.66	9.295		
11,600.00	7,134.21	7,130.21	7,130.21	132.93	247.19	90.07	1,577.13	-1,696.85	3,453.69	3,085.95	367.74	9.392		
11,700.00	7,134.45	7,130.45	7,130.45	135.68	247.20	90.08	1,577.13	-1,696.85	3,501.39	3,132.66	368.73	9.496		
11,800.00	7,134.69	7,130.69	7,130.69	138.43	247.21	90.08	1,577.13	-1,696.85	3,551.26	3,181.65	369.62	9.608		
11,900.00	7,134.93	7,130.93	7,130.93	141.18	247.22	90.09	1,577.13	-1,696.85	3,603.22	3,232.80	370.42	9.727		
12,000.00	7,135.17	7,131.17	7,131.17	143.94	247.23	90.09	1,577.13	-1,696.85	3,657.18	3,286.04	371.14	9.854		
12,100.00	7,135.41	7,131.41	7,131.41	146.70	247.23	90.09	1,577.13	-1,696.85	3,713.04	3,341.26	371.78	9.987		
12,200.00	7,135.65	7,131.65	7,131.65	149.46	247.24	90.10	1,577.13	-1,696.85	3,770.73	3,398.39	372.34	10.127		
12,300.00	7,135.89	7,131.89	7,131.89	152.23	247.25	90.10	1,577.13	-1,696.85	3,830.16	3,457.32	372.84	10.273		
12,400.00	7,136.13	7,132.13	7,132.13	155.00	247.26	90.11	1,577.13	-1,696.85	3,891.26	3,517.99	373.27	10.425		
12,500.00	7,136.37	7,132.37	7,132.37	157.78	247.27	90.11	1,577.13	-1,696.85	3,953.94	3,580.29	373.64	10.582		
12,600.00	7,136.61	7,132.61	7,132.61	160.55	247.28	90.12	1,577.13	-1,696.85	4,018.13	3,644.17	373.96	10.745		
12,700.00	7,136.85	7,132.85	7,132.85	163.33	247.28	90.12	1,577.13	-1,696.85	4,083.76	3,709.53	374.23	10.912		
12,800.00	7,137.09	7,133.09	7,133.09	166.12	247.29	90.13	1,577.13	-1,696.85	4,150.76	3,776.31	374.45	11.085		
12,900.00	7,137.33	7,133.33	7,133.33	168.90	247.30	90.13	1,577.13	-1,696.85	4,219.07	3,844.44	374.63	11.262		
13,000.00	7,137.57	7,133.57	7,133.57	171.69	247.31	90.14	1,577.13	-1,696.85	4,288.62	3,913.85	374.77	11.443		
13,100.00	7,137.81	7,133.81	7,133.81	174.48	247.32	90.14	1,577.13	-1,696.85	4,359.36	3,984.49	374.87	11.629		
13,200.00	7,138.05	7,134.05	7,134.05	177.27	247.33	90.14	1,577.13	-1,696.85	4,431.22	4,056.28	374.94	11.818		
13,300.00	7,138.29	7,134.29	7,134.29	180.07	247.33	90.15	1,577.13	-1,696.85	4,504.16	4,129.18	374.99	12.012		
13,400.00	7,138.53	7,134.53	7,134.53	182.86	247.34	90.15	1,577.13	-1,696.85	4,578.12	4,203.12	375.00	12.208		
13,500.00	7,138.77	7,134.77	7,134.77	185.66	247.35	90.16	1,577.13	-1,696.85	4,653.06	4,278.06	374.99	12.408		
13,600.00	7,139.01	7,135.01	7,135.01	188.46	247.36	90.16	1,577.13	-1,696.85	4,728.92	4,353.95	374.96	12.612		
13,700.00	7,139.25	7,135.25	7,135.25	191.26	247.37	90.17	1,577.13	-1,696.85	4,805.66	4,430.75	374.91	12.818		
13,800.00	7,139.49	7,135.49	7,135.49	194.06	247.38	90.17	1,577.13	-1,696.85	4,883.25	4,508.40	374.85	13.027		
13,900.00	7,139.73	7,135.73	7,135.73	196.87	247.38	90.18	1,577.13	-1,696.85	4,961.64	4,586.88	374.76	13.239		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,135.97	7,135.97	199.68	247.39	90.18	1,577.13	-1,696.85	5,040.79	4,666.13	374.67	13.454		
14,100.00	7,140.21	7,136.21	7,136.21	202.48	247.40	90.18	1,577.13	-1,696.85	5,120.68	4,746.12	374.56	13.671		
14,200.00	7,140.45	7,136.45	7,136.45	205.29	247.41	90.19	1,577.13	-1,696.85	5,201.26	4,826.82	374.44	13.891		
14,300.00	7,140.69	7,136.69	7,136.69	208.10	247.42	90.19	1,577.13	-1,696.85	5,282.50	4,908.19	374.30	14.113		
14,400.00	7,140.93	7,136.93	7,136.93	210.91	247.43	90.20	1,577.13	-1,696.85	5,364.38	4,990.21	374.17	14.337		
14,500.00	7,141.17	7,137.17	7,137.17	213.73	247.44	90.20	1,577.13	-1,696.85	5,446.86	5,072.84	374.02	14.563		
14,600.00	7,141.41	7,137.41	7,137.41	216.54	247.44	90.21	1,577.13	-1,696.85	5,529.92	5,156.05	373.86	14.791		
14,700.00	7,141.65	7,137.65	7,137.65	219.36	247.45	90.21	1,577.13	-1,696.85	5,613.53	5,239.82	373.71	15.021		
14,800.00	7,141.89	7,137.89	7,137.89	222.17	247.46	90.22	1,577.13	-1,696.85	5,697.67	5,324.13	373.54	15.253		
14,900.00	7,142.13	7,138.13	7,138.13	224.99	247.47	90.22	1,577.13	-1,696.85	5,782.32	5,408.94	373.37	15.487		
15,000.00	7,142.36	7,138.36	7,138.36	227.81	247.48	90.23	1,577.13	-1,696.85	5,867.44	5,494.24	373.20	15.722		
15,100.00	7,142.60	7,138.60	7,138.60	230.63	247.49	90.23	1,577.13	-1,696.85	5,953.04	5,580.01	373.03	15.959		
15,200.00	7,142.84	7,138.84	7,138.84	233.45	247.49	90.23	1,577.13	-1,696.85	6,039.07	5,666.22	372.85	16.197		
15,300.00	7,143.08	7,139.08	7,139.08	236.27	247.50	90.24	1,577.13	-1,696.85	6,125.53	5,752.86	372.67	16.437		
15,400.00	7,143.32	7,139.32	7,139.32	239.09	247.51	90.24	1,577.13	-1,696.85	6,212.39	5,839.90	372.49	16.678		
15,500.00	7,143.56	7,139.56	7,139.56	241.91	247.52	90.25	1,577.13	-1,696.85	6,299.65	5,927.34	372.31	16.920		
15,600.00	7,143.80	7,139.80	7,139.80	244.73	247.53	90.25	1,577.13	-1,696.85	6,387.28	6,015.15	372.13	17.164		
15,700.00	7,144.04	7,140.04	7,140.04	247.56	247.54	90.26	1,577.13	-1,696.85	6,475.26	6,103.32	371.95	17.409		
15,800.00	7,144.28	7,140.28	7,140.28	250.38	247.54	90.26	1,577.13	-1,696.85	6,563.59	6,191.83	371.77	17.655		
15,900.00	7,144.52	7,140.52	7,140.52	253.21	247.55	90.27	1,577.13	-1,696.85	6,652.25	6,280.67	371.58	17.902		
16,000.00	7,144.76	7,140.76	7,140.76	256.03	247.56	90.27	1,577.13	-1,696.85	6,741.23	6,369.83	371.40	18.151		
16,100.00	7,145.00	7,141.00	7,141.00	258.86	247.57	90.27	1,577.13	-1,696.85	6,830.52	6,459.29	371.23	18.400		
16,200.00	7,145.24	7,141.24	7,141.24	261.69	247.58	90.28	1,577.13	-1,696.85	6,920.09	6,549.04	371.05	18.650		
16,300.00	7,145.48	7,141.48	7,141.48	264.52	247.59	90.28	1,577.13	-1,696.85	7,009.95	6,639.08	370.87	18.901		
16,400.00	7,145.72	7,141.72	7,141.72	267.35	247.59	90.29	1,577.13	-1,696.85	7,100.08	6,729.38	370.70	19.153		
16,500.00	7,145.96	7,141.96	7,141.96	270.18	247.60	90.29	1,577.13	-1,696.85	7,190.47	6,819.95	370.52	19.406		
16,600.00	7,146.20	7,142.20	7,142.20	273.01	247.61	90.30	1,577.13	-1,696.85	7,281.11	6,910.76	370.35	19.660		
16,700.00	7,146.44	7,142.44	7,142.44	275.84	247.62	90.30	1,577.13	-1,696.85	7,372.00	7,001.82	370.18	19.915		
16,800.00	7,146.68	7,142.68	7,142.68	278.67	247.63	90.31	1,577.13	-1,696.85	7,463.11	7,093.10	370.01	20.170		
16,900.00	7,146.92	7,142.92	7,142.92	281.50	247.64	90.31	1,577.13	-1,696.85	7,554.45	7,184.61	369.84	20.426		
17,000.00	7,147.16	7,143.16	7,143.16	284.33	247.64	90.32	1,577.13	-1,696.85	7,646.01	7,276.33	369.68	20.683		
17,100.00	7,147.40	7,143.40	7,143.40	287.16	247.65	90.32	1,577.13	-1,696.85	7,737.78	7,368.26	369.52	20.940		
17,200.00	7,147.64	7,143.64	7,143.64	290.00	247.66	90.32	1,577.13	-1,696.85	7,829.75	7,460.39	369.36	21.198		
17,300.00	7,147.88	7,143.88	7,143.88	292.83	247.67	90.33	1,577.13	-1,696.85	7,921.91	7,552.71	369.20	21.457		
17,400.00	7,148.12	7,144.12	7,144.12	295.66	247.68	90.33	1,577.13	-1,696.85	8,014.26	7,645.22	369.05	21.716		
17,500.00	7,148.36	7,144.36	7,144.36	298.50	247.69	90.34	1,577.13	-1,696.85	8,106.80	7,737.90	368.89	21.976		
17,600.00	7,148.60	7,144.60	7,144.60	301.33	247.69	90.34	1,577.13	-1,696.85	8,199.50	7,830.76	368.74	22.236		
17,700.00	7,148.84	7,144.84	7,144.84	304.17	247.70	90.35	1,577.13	-1,696.85	8,292.38	7,923.79	368.59	22.497		
17,800.00	7,149.08	7,145.08	7,145.08	307.00	247.71	90.35	1,577.13	-1,696.85	8,385.42	8,016.97	368.45	22.759		
17,900.00	7,149.32	7,145.32	7,145.32	309.84	247.72	90.36	1,577.13	-1,696.85	8,478.62	8,110.32	368.30	23.021		
18,000.00	7,149.56	7,145.56	7,145.56	312.68	247.73	90.36	1,577.13	-1,696.85	8,571.98	8,203.81	368.16	23.283		
18,100.00	7,149.80	7,145.80	7,145.80	315.51	247.74	90.36	1,577.13	-1,696.85	8,665.48	8,297.45	368.03	23.546		
18,200.00	7,150.04	7,146.04	7,146.04	318.35	247.74	90.37	1,577.13	-1,696.85	8,759.12	8,391.23	367.89	23.809		
18,300.00	7,150.28	7,146.28	7,146.28	321.19	247.75	90.37	1,577.13	-1,696.85	8,852.91	8,485.15	367.76	24.073		
18,400.00	7,150.52	7,146.52	7,146.52	324.03	247.76	90.38	1,577.13	-1,696.85	8,946.83	8,579.20	367.63	24.337		
18,500.00	7,150.76	7,146.76	7,146.76	326.86	247.77	90.38	1,577.13	-1,696.85	9,040.87	8,673.38	367.50	24.601		
18,600.00	7,151.00	7,147.00	7,147.00	329.70	247.78	90.39	1,577.13	-1,696.85	9,135.05	8,767.68	367.37	24.866		
18,700.00	7,151.24	7,147.24	7,147.24	332.54	247.79	90.39	1,577.13	-1,696.85	9,229.35	8,862.10	367.25	25.131		
18,800.00	7,151.48	7,147.48	7,147.48	335.38	247.80	90.40	1,577.13	-1,696.85	9,323.76	8,956.64	367.12	25.397		
18,900.00	7,151.72	7,147.72	7,147.72	338.22	247.80	90.40	1,577.13	-1,696.85	9,418.30	9,051.29	367.01	25.663		
19,000.00	7,151.96	7,147.96	7,147.96	341.06	247.81	90.40	1,577.13	-1,696.85	9,512.94	9,146.05	366.89	25.929		
19,018.30	7,152.00	7,148.00	7,148.00	341.58	247.81	90.41	1,577.13	-1,696.85	9,530.27	9,163.40	366.87	25.977		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-106.00	-2,048.55	-7,142.45	7,430.42					
100.00	100.00	86.12	86.12	3.28	3.29	-106.01	-2,048.77	-7,142.41	7,430.44	7,423.87	6.57	1,130.938		
200.00	200.00	175.62	175.62	3.34	3.31	-106.01	-2,049.44	-7,142.30	7,430.54	7,423.89	6.65	1,117.723		
300.00	299.98	260.08	260.08	3.44	3.38	-116.72	-2,050.28	-7,142.35	7,431.65	7,424.83	6.82	1,089.377		
400.00	399.84	358.17	358.15	3.59	3.51	-116.70	-2,051.41	-7,142.42	7,434.39	7,427.29	7.10	1,046.669		
500.00	499.45	448.95	448.94	3.80	3.67	-116.67	-2,052.04	-7,142.73	7,438.83	7,431.37	7.46	996.757		
600.00	598.70	552.31	552.30	4.04	3.89	-116.65	-2,052.46	-7,143.15	7,444.84	7,436.91	7.93	938.792		
700.00	697.47	637.30	637.28	4.32	4.11	-116.60	-2,053.07	-7,143.44	7,452.46	7,444.03	8.43	884.268		
800.00	795.62	708.22	708.19	4.65	4.30	-116.52	-2,053.51	-7,143.96	7,461.99	7,453.05	8.95	834.205		
900.00	893.06	791.64	791.61	5.01	4.54	-116.44	-2,053.86	-7,144.84	7,473.39	7,463.84	9.55	782.778		
1,000.00	989.64	882.80	882.76	5.42	4.82	-116.37	-2,054.41	-7,145.88	7,486.50	7,476.28	10.23	732.097		
1,044.50	1,032.32	922.01	921.97	5.61	4.95	-116.33	-2,054.71	-7,146.34	7,492.88	7,482.34	10.54	710.851		
1,100.00	1,085.43	970.80	970.75	5.86	5.11	-116.43	-2,054.97	-7,146.96	7,501.08	7,490.14	10.94	685.499		
1,200.00	1,181.11	1,014.82	1,014.77	6.33	5.26	-116.52	-2,054.94	-7,147.76	7,516.28	7,504.74	11.54	651.457		
1,300.00	1,276.80	1,061.00	1,060.93	6.81	5.42	-116.61	-2,054.44	-7,149.06	7,532.21	7,520.05	12.16	619.460		
1,400.00	1,372.49	1,099.87	1,099.77	7.31	5.55	-116.70	-2,053.69	-7,150.51	7,548.90	7,536.13	12.77	591.180		
1,500.00	1,468.17	1,153.00	1,152.81	7.83	5.73	-116.82	-2,052.22	-7,153.05	7,566.40	7,552.96	13.44	562.951		
1,600.00	1,563.86	1,181.32	1,181.07	8.35	5.83	-116.89	-2,051.21	-7,154.67	7,584.62	7,570.58	14.03	540.442		
1,700.00	1,659.55	1,222.08	1,221.70	8.88	5.98	-116.99	-2,049.41	-7,157.33	7,603.63	7,588.95	14.68	517.998		
1,800.00	1,755.23	1,248.00	1,247.51	9.42	6.07	-117.05	-2,048.05	-7,159.22	7,623.44	7,608.17	15.27	499.111		
1,900.00	1,850.92	1,288.23	1,287.54	9.97	6.22	-117.15	-2,045.72	-7,162.53	7,644.08	7,628.16	15.93	479.925		
2,000.00	1,946.61	1,343.00	1,341.94	10.52	6.42	-117.30	-2,042.23	-7,167.86	7,665.77	7,649.13	16.64	460.651		
2,100.00	2,042.29	1,343.00	1,341.94	11.07	6.42	-117.30	-2,042.23	-7,167.86	7,688.09	7,670.95	17.14	448.454		
2,200.00	2,137.98	1,394.46	1,392.95	11.63	6.62	-117.43	-2,038.54	-7,173.53	7,711.30	7,693.45	17.85	431.990		
2,300.00	2,233.67	1,438.00	1,436.04	12.19	6.79	-117.55	-2,035.07	-7,178.67	7,735.20	7,716.68	18.53	417.470		
2,400.00	2,329.35	1,511.19	1,508.40	12.76	7.09	-117.76	-2,028.80	-7,187.73	7,759.64	7,740.30	19.34	401.312		
2,500.00	2,425.04	1,594.22	1,590.43	13.32	7.44	-117.99	-2,021.43	-7,198.23	7,784.41	7,764.22	20.19	385.497		
2,600.00	2,520.72	1,670.76	1,666.06	13.89	7.77	-118.20	-2,014.74	-7,207.94	7,809.41	7,788.38	21.03	371.351		
2,700.00	2,616.41	1,777.75	1,771.86	14.46	8.25	-118.49	-2,006.35	-7,221.51	7,834.75	7,812.74	22.01	355.952		
2,800.00	2,712.10	1,870.51	1,863.66	15.03	8.67	-118.73	-1,999.46	-7,232.81	7,859.82	7,836.89	22.93	342.725		
2,900.00	2,807.78	1,972.63	1,964.81	15.60	9.13	-118.99	-1,992.89	-7,245.27	7,885.24	7,861.34	23.90	329.874		
3,000.00	2,903.47	2,076.34	2,067.60	16.18	9.61	-119.25	-1,986.52	-7,257.47	7,910.43	7,885.54	24.89	317.858		
3,100.00	2,999.16	2,154.56	2,145.07	16.75	9.98	-119.45	-1,981.08	-7,266.84	7,935.82	7,910.07	25.75	308.143		
3,200.00	3,094.84	2,257.53	2,246.96	17.33	10.47	-119.72	-1,973.23	-7,279.41	7,961.47	7,934.72	26.74	297.686		
3,300.00	3,190.53	2,386.96	2,375.10	17.90	11.09	-120.05	-1,963.28	-7,294.67	7,986.85	7,958.98	27.87	286.573		
3,400.00	3,286.22	2,517.00	2,503.89	18.48	11.72	-120.38	-1,952.88	-7,309.37	8,011.87	7,982.86	29.00	276.224		
3,500.00	3,381.90	2,606.93	2,592.94	19.06	12.16	-120.61	-1,945.36	-7,319.42	8,036.87	8,006.93	29.94	268.404		
3,600.00	3,477.59	2,686.31	2,671.57	19.64	12.55	-120.81	-1,939.04	-7,328.29	8,062.09	8,031.26	30.83	261.505		
3,700.00	3,573.28	2,749.46	2,734.12	20.22	12.86	-120.97	-1,934.20	-7,335.49	8,087.67	8,056.04	31.63	255.671		
3,800.00	3,668.96	2,811.50	2,795.54	20.80	13.17	-121.13	-1,929.45	-7,342.77	8,113.71	8,081.28	32.43	250.186		
3,900.00	3,764.65	2,876.19	2,859.56	21.38	13.49	-121.29	-1,924.35	-7,350.63	8,140.20	8,106.96	33.24	244.882		
4,000.00	3,860.33	2,955.79	2,938.28	21.96	13.89	-121.49	-1,917.89	-7,360.48	8,167.02	8,132.89	34.13	239.292		
4,100.00	3,956.02	3,090.57	3,071.67	22.54	14.57	-121.82	-1,907.54	-7,376.74	8,193.71	8,158.41	35.31	232.082		
4,200.00	4,051.71	3,168.40	3,148.72	23.13	14.96	-122.01	-1,901.59	-7,385.95	8,220.37	8,184.18	36.18	227.184		
4,300.00	4,147.39	3,218.58	3,198.38	23.71	15.21	-122.13	-1,897.69	-7,392.10	8,247.51	8,210.59	36.92	223.409		
4,400.00	4,243.08	3,368.69	3,347.02	24.29	15.97	-122.49	-1,887.40	-7,410.27	8,274.78	8,236.61	38.17	216.778		
4,500.00	4,338.77	3,604.44	3,581.01	24.88	17.13	-123.02	-1,873.19	-7,435.23	8,300.68	8,260.82	39.86	208.234		
4,600.00	4,434.45	3,710.15	3,685.90	25.46	17.65	-123.27	-1,865.23	-7,445.74	8,326.11	8,285.22	40.89	203.644		
4,700.00	4,530.14	3,805.07	3,780.06	26.04	18.12	-123.49	-1,857.83	-7,455.08	8,351.52	8,309.67	41.85	199.540		
4,800.00	4,625.83	3,935.65	3,909.59	26.63	18.76	-123.80	-1,846.84	-7,467.44	8,376.58	8,333.57	43.01	194.752		
4,900.00	4,721.51	3,982.87	3,956.39	27.21	19.00	-123.91	-1,842.59	-7,472.04	8,402.04	8,358.31	43.73	192.129		
5,000.00	4,817.20	4,033.19	4,006.24	27.80	19.25	-124.03	-1,838.06	-7,477.20	8,428.09	8,383.63	44.47	189.542		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,097.00	4,069.40	28.38	19.58	124.18	-1,832.12	-7,484.08	8,454.70	8,409.43	45.27	186.758		
5,200.00	5,008.57	4,216.13	4,187.27	28.97	20.18	124.47	-1,820.58	-7,496.90	8,481.42	8,435.04	46.38	182.877		
5,300.00	5,104.26	4,308.98	4,279.27	29.55	20.65	124.69	-1,812.59	-7,506.59	8,508.06	8,460.72	47.34	179.732		
5,400.00	5,199.94	4,414.52	4,383.95	30.14	21.18	124.92	-1,804.63	-7,517.37	8,534.68	8,486.32	48.36	176.482		
5,500.00	5,295.63	4,617.85	4,586.06	30.72	22.17	125.35	-1,793.01	-7,536.30	8,560.68	8,510.80	49.89	171.603		
5,600.00	5,391.32	5,250.96	5,217.90	31.31	24.94	126.47	-1,781.19	-7,570.15	8,584.14	8,530.72	53.42	160.692		
5,700.00	5,487.00	5,337.69	5,304.61	31.90	25.30	126.61	-1,780.65	-7,571.94	8,603.94	8,549.63	54.31	158.410		
5,800.00	5,582.69	5,443.16	5,410.06	32.48	25.73	126.78	-1,780.10	-7,574.07	8,623.79	8,568.50	55.29	155.963		
5,900.00	5,678.38	5,560.29	5,527.17	33.07	26.20	126.97	-1,780.13	-7,576.04	8,643.40	8,587.08	56.32	153.460		
6,000.00	5,774.06	5,644.09	5,610.96	33.65	26.54	127.10	-1,780.39	-7,577.46	8,663.11	8,605.91	57.20	151.450		
6,100.00	5,869.75	5,733.86	5,700.71	34.24	26.90	127.24	-1,780.25	-7,579.11	8,682.99	8,624.88	58.11	149.430		
6,200.00	5,965.44	5,838.76	5,805.60	34.83	27.33	127.41	-1,780.12	-7,580.98	8,702.88	8,643.80	59.09	147.293		
6,300.00	6,061.12	5,931.00	5,897.83	35.41	27.71	127.55	-1,779.90	-7,582.57	8,722.78	8,662.77	60.00	145.368		
6,400.00	6,156.81	6,015.47	5,982.28	36.00	28.06	127.68	-1,779.88	-7,584.14	8,742.86	8,681.97	60.89	143.589		
6,500.00	6,252.50	6,204.68	6,171.46	36.59	28.82	127.97	-1,780.59	-7,586.79	8,762.67	8,700.42	62.25	140.770		
6,600.00	6,348.18	6,275.20	6,241.98	37.18	29.10	128.07	-1,780.96	-7,587.44	8,782.01	8,718.95	63.06	139.256		
6,636.04	6,382.67	6,316.09	6,282.87	37.39	29.27	128.13	-1,781.19	-7,587.87	8,789.04	8,725.61	63.43	138.568		
6,650.00	6,396.05	6,334.17	6,300.95	37.47	29.34	124.89	-1,781.30	-7,588.04	8,791.60	8,728.03	63.58	138.280		
6,700.00	6,444.38	6,404.02	6,370.79	37.74	29.61	110.43	-1,781.88	-7,588.61	8,798.25	8,734.12	64.13	137.199		
6,750.00	6,493.07	6,465.03	6,431.76	37.98	29.84	91.87	-1,784.06	-7,588.86	8,800.88	8,736.27	64.61	136.223		
6,800.00	6,541.82	6,521.84	6,488.28	38.18	30.04	72.28	-1,789.64	-7,588.84	8,799.54	8,734.52	65.03	135.318		
6,850.00	6,590.35	6,548.03	6,514.17	38.35	30.13	55.71	-1,793.62	-7,588.78	8,794.36	8,729.07	65.29	134.698		
6,900.00	6,638.34	6,599.00	6,534.79	38.50	30.20	43.53	-1,797.44	-7,588.78	8,785.45	8,719.95	65.50	134.134		
6,950.00	6,685.50	6,582.37	6,547.87	38.64	30.24	34.95	-1,800.18	-7,588.80	8,772.88	8,707.24	65.65	133.638		
7,000.00	6,731.54	6,600.00	6,565.05	38.77	30.30	28.84	-1,804.15	-7,588.89	8,756.75	8,690.96	65.79	133.104		
7,050.00	6,776.18	6,600.00	6,565.05	38.90	30.30	24.37	-1,804.15	-7,588.89	8,737.14	8,671.30	65.84	132.702		
7,100.00	6,819.14	6,620.34	6,584.75	39.03	30.36	20.99	-1,809.23	-7,589.08	8,714.13	8,648.18	65.95	132.128		
7,150.00	6,860.16	6,632.00	6,595.97	39.16	30.40	18.35	-1,812.37	-7,589.24	8,687.89	8,621.88	66.01	131.605		
7,200.00	6,898.98	6,646.54	6,609.90	39.31	30.44	16.22	-1,816.54	-7,589.47	8,658.53	8,592.45	66.07	131.043		
7,250.00	6,935.36	6,664.00	6,626.51	39.47	30.49	14.44	-1,821.90	-7,589.78	8,626.19	8,560.06	66.13	130.436		
7,300.00	6,969.08	6,682.37	6,643.85	39.65	30.55	12.90	-1,827.98	-7,590.11	8,591.05	8,524.87	66.19	129.800		
7,350.00	6,999.94	6,695.00	6,655.66	39.85	30.58	11.53	-1,832.43	-7,590.34	8,553.29	8,487.08	66.21	129.181		
7,400.00	7,027.74	6,714.18	6,673.44	40.08	30.63	10.21	-1,839.62	-7,590.69	8,513.14	8,446.88	66.26	128.488		
7,450.00	7,052.31	6,727.00	6,685.20	40.34	30.67	8.90	-1,844.72	-7,590.93	8,470.83	8,404.55	66.27	127.814		
7,500.00	7,073.49	6,768.50	6,722.51	40.63	30.77	7.31	-1,862.86	-7,591.60	8,426.58	8,360.18	66.40	126.905		
7,550.00	7,091.17	6,820.35	6,767.28	40.95	30.88	5.19	-1,888.99	-7,591.99	8,380.57	8,314.01	66.57	125.900		
7,600.00	7,105.22	6,855.66	6,796.66	41.31	30.95	2.29	-1,908.56	-7,592.01	8,333.16	8,266.49	66.67	124.985		
7,650.00	7,115.57	6,864.56	6,803.94	41.71	30.96	-2.09	-1,913.68	-7,591.99	8,284.66	8,217.97	66.69	124.230		
7,700.00	7,122.15	6,870.83	6,809.04	42.15	30.97	-11.11	-1,917.33	-7,591.97	8,235.39	8,168.69	66.70	123.468		
7,750.00	7,124.91	6,873.51	6,811.21	42.62	30.98	-38.63	-1,918.91	-7,591.97	8,185.65	8,118.94	66.71	122.710		
7,759.54	7,125.00	6,873.62	6,811.30	42.72	30.98	-49.66	-1,918.97	-7,591.97	8,176.13	8,109.42	66.71	122.565		
7,800.00	7,125.10	6,873.81	6,811.45	43.13	30.98	-49.69	-1,919.08	-7,591.97	8,135.74	8,069.03	66.71	121.955		
7,900.00	7,125.34	6,874.26	6,811.82	44.28	30.98	-49.74	-1,919.34	-7,591.96	8,035.93	7,969.22	66.72	120.446		
8,000.00	7,125.58	6,874.71	6,812.18	45.61	30.98	-49.79	-1,919.61	-7,591.96	7,936.13	7,869.40	66.73	118.934		
8,100.00	7,125.82	6,875.15	6,812.53	47.10	30.98	-49.84	-1,919.87	-7,591.96	7,836.33	7,769.59	66.74	117.419		
8,200.00	7,126.06	6,875.59	6,812.89	48.72	30.98	-49.89	-1,920.12	-7,591.96	7,736.54	7,669.78	66.75	115.902		
8,300.00	7,126.30	6,876.02	6,813.24	50.48	30.98	-49.94	-1,920.38	-7,591.96	7,636.75	7,569.98	66.77	114.382		
8,400.00	7,126.54	6,876.45	6,813.58	52.34	30.98	-49.99	-1,920.63	-7,591.96	7,536.96	7,470.18	66.78	112.858		
8,500.00	7,126.78	6,876.87	6,813.92	54.30	30.99	-50.04	-1,920.88	-7,591.96	7,437.19	7,370.38	66.80	111.333		
8,600.00	7,127.02	6,877.29	6,814.26	56.35	30.99	-50.08	-1,921.13	-7,591.95	7,337.41	7,270.59	66.82	109.804		
8,700.00	7,127.26	6,877.70	6,814.59	58.47	30.99	-50.13	-1,921.37	-7,591.95	7,237.65	7,170.80	66.85	108.273		
8,800.00	7,127.50	6,878.11	6,814.92	60.66	30.99	-50.18	-1,921.61	-7,591.95	7,137.89	7,071.02	66.87	106.739		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	6,878.51	6,815.25	62.90	30.99	-50.22	-1,921.85	-7,591.95	7,038.14	6,971.24	66.90	105.202		
9,000.00	7,127.98	6,878.91	6,815.57	65.19	30.99	-50.27	-1,922.08	-7,591.95	6,938.39	6,871.46	66.93	103.663		
9,100.00	7,128.22	6,879.30	6,815.89	67.53	30.99	-50.31	-1,922.32	-7,591.95	6,838.66	6,771.69	66.97	102.121		
9,200.00	7,128.46	6,879.69	6,816.20	69.92	30.99	-50.36	-1,922.55	-7,591.95	6,738.93	6,671.92	67.00	100.576		
9,300.00	7,128.70	6,880.08	6,816.51	72.33	30.99	-50.40	-1,922.78	-7,591.94	6,639.21	6,572.16	67.04	99.029		
9,400.00	7,128.94	6,880.46	6,816.82	74.78	30.99	-50.45	-1,923.00	-7,591.94	6,539.49	6,472.41	67.09	97.479		
9,500.00	7,129.18	6,880.84	6,817.12	77.26	30.99	-50.49	-1,923.23	-7,591.94	6,439.79	6,372.66	67.13	95.926		
9,600.00	7,129.42	6,881.21	6,817.42	79.76	30.99	-50.53	-1,923.45	-7,591.94	6,340.10	6,272.91	67.18	94.370		
9,700.00	7,129.66	6,881.58	6,817.72	82.29	30.99	-50.58	-1,923.67	-7,591.94	6,240.41	6,173.17	67.24	92.812		
9,800.00	7,129.90	6,881.95	6,818.02	84.84	30.99	-50.62	-1,923.89	-7,591.94	6,140.74	6,073.44	67.29	91.251		
9,900.00	7,130.14	6,882.31	6,818.31	87.41	31.00	-50.66	-1,924.10	-7,591.94	6,041.07	5,973.72	67.36	89.688		
10,000.00	7,130.38	6,882.67	6,818.59	90.00	31.00	-50.70	-1,924.31	-7,591.93	5,941.42	5,874.00	67.42	88.122		
10,100.00	7,130.62	6,883.02	6,818.88	92.60	31.00	-50.74	-1,924.52	-7,591.93	5,841.78	5,774.28	67.49	86.553		
10,200.00	7,130.86	6,883.37	6,819.16	95.22	31.00	-50.78	-1,924.73	-7,591.93	5,742.15	5,674.58	67.57	84.981		
10,300.00	7,131.09	6,883.72	6,819.44	97.85	31.00	-50.82	-1,924.94	-7,591.93	5,642.53	5,574.88	67.65	83.406		
10,400.00	7,131.33	6,884.06	6,819.71	100.50	31.00	-50.86	-1,925.14	-7,591.93	5,542.93	5,475.19	67.74	81.829		
10,500.00	7,131.57	6,884.40	6,819.99	103.16	31.00	-50.90	-1,925.35	-7,591.93	5,443.35	5,375.51	67.83	80.248		
10,600.00	7,131.81	6,884.74	6,820.26	105.82	31.00	-50.94	-1,925.55	-7,591.93	5,343.77	5,275.84	67.93	78.665		
10,700.00	7,132.05	6,885.07	6,820.52	108.50	31.00	-50.98	-1,925.75	-7,591.93	5,244.22	5,176.18	68.04	77.079		
10,800.00	7,132.29	6,885.40	6,820.79	111.19	31.00	-51.01	-1,925.94	-7,591.92	5,144.68	5,076.53	68.15	75.489		
10,900.00	7,132.53	6,885.72	6,821.05	113.88	31.00	-51.05	-1,926.14	-7,591.92	5,045.16	4,976.89	68.27	73.897		
11,000.00	7,132.77	6,886.00	6,821.27	116.58	31.00	-51.08	-1,926.30	-7,591.92	4,945.66	4,877.26	68.40	72.302		
11,100.00	7,133.01	6,886.00	6,821.27	119.29	31.00	-51.08	-1,926.30	-7,591.92	4,846.18	4,777.64	68.54	70.706		
11,200.00	7,133.25	6,886.00	6,821.27	122.01	31.00	-51.08	-1,926.30	-7,591.92	4,746.72	4,678.04	68.69	69.107		
11,300.00	7,133.49	6,886.00	6,821.27	124.73	31.00	-51.08	-1,926.30	-7,591.92	4,647.29	4,578.45	68.84	67.505		
11,400.00	7,133.73	6,886.00	6,821.27	127.46	31.00	-51.08	-1,926.30	-7,591.92	4,547.88	4,478.87	69.01	65.899		
11,500.00	7,133.97	6,886.00	6,821.27	130.19	31.00	-51.08	-1,926.30	-7,591.92	4,448.50	4,379.30	69.19	64.290		
11,600.00	7,134.21	6,886.00	6,821.27	132.93	31.00	-51.08	-1,926.30	-7,591.92	4,349.14	4,279.75	69.39	62.678		
11,700.00	7,134.45	6,886.00	6,821.27	135.68	31.00	-51.08	-1,926.30	-7,591.92	4,249.82	4,180.22	69.60	61.062		
11,800.00	7,134.69	6,886.00	6,821.27	138.43	31.00	-51.08	-1,926.30	-7,591.92	4,150.52	4,080.70	69.82	59.443		
11,900.00	7,134.93	6,886.00	6,821.27	141.18	31.00	-51.08	-1,926.30	-7,591.92	4,051.27	3,981.20	70.07	57.819		
12,000.00	7,135.17	6,886.00	6,821.27	143.94	31.00	-51.08	-1,926.30	-7,591.92	3,952.05	3,881.72	70.33	56.192		
12,100.00	7,135.41	6,886.00	6,821.27	146.70	31.00	-51.08	-1,926.30	-7,591.92	3,852.87	3,782.25	70.61	54.562		
12,200.00	7,135.65	6,886.00	6,821.27	149.46	31.00	-51.08	-1,926.30	-7,591.92	3,753.73	3,682.81	70.92	52.927		
12,300.00	7,135.89	6,886.00	6,821.27	152.23	31.00	-51.08	-1,926.30	-7,591.92	3,654.64	3,583.39	71.26	51.289		
12,400.00	7,136.13	6,886.00	6,821.27	155.00	31.00	-51.08	-1,926.30	-7,591.92	3,555.60	3,483.99	71.62	49.647		
12,500.00	7,136.37	6,886.00	6,821.27	157.78	31.00	-51.08	-1,926.30	-7,591.92	3,456.62	3,384.61	72.01	48.001		
12,600.00	7,136.61	6,886.00	6,821.27	160.55	31.00	-51.08	-1,926.30	-7,591.92	3,357.70	3,285.26	72.44	46.352		
12,700.00	7,136.85	6,886.00	6,821.27	163.33	31.00	-51.08	-1,926.30	-7,591.92	3,258.84	3,185.93	72.91	44.699		
12,800.00	7,137.09	6,886.00	6,821.27	166.12	31.00	-51.08	-1,926.30	-7,591.92	3,160.06	3,086.64	73.42	43.042		
12,900.00	7,137.33	6,886.00	6,821.27	168.90	31.00	-51.08	-1,926.30	-7,591.92	3,061.35	2,987.37	73.98	41.383		
13,000.00	7,137.57	6,886.00	6,821.27	171.69	31.00	-51.08	-1,926.30	-7,591.92	2,962.73	2,888.14	74.59	39.721		
13,100.00	7,137.81	6,886.00	6,821.27	174.48	31.00	-51.08	-1,926.30	-7,591.92	2,864.21	2,788.94	75.26	38.056		
13,200.00	7,138.05	6,886.00	6,821.27	177.27	31.00	-51.08	-1,926.30	-7,591.92	2,765.79	2,689.78	76.00	36.390		
13,300.00	7,138.29	6,891.14	6,825.39	180.07	31.01	-51.67	-1,929.39	-7,591.90	2,667.48	2,590.50	76.98	34.653		
13,400.00	7,138.53	6,891.40	6,825.59	182.86	31.01	-51.70	-1,929.54	-7,591.90	2,569.31	2,491.41	77.90	32.982		
13,500.00	7,138.77	6,891.65	6,825.79	185.66	31.01	-51.73	-1,929.69	-7,591.90	2,471.29	2,392.36	78.93	31.312		
13,600.00	7,139.01	6,891.91	6,826.00	188.46	31.01	-51.76	-1,929.85	-7,591.90	2,373.43	2,293.36	80.07	29.643		
13,700.00	7,139.25	6,892.18	6,826.21	191.26	31.01	-51.79	-1,930.01	-7,591.90	2,275.76	2,194.42	81.34	27.979		
13,800.00	7,139.49	6,892.44	6,826.42	194.06	31.01	-51.82	-1,930.17	-7,591.90	2,178.30	2,095.54	82.76	26.321		
13,900.00	7,139.73	6,892.71	6,826.64	196.87	31.01	-51.85	-1,930.33	-7,591.90	2,081.08	1,996.73	84.35	24.672		
14,000.00	7,139.97	6,892.98	6,826.86	199.68	31.01	-51.89	-1,930.49	-7,591.90	1,984.13	1,897.99	86.14	23.033		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	6,893.26	6,827.08	202.48	31.01	-51.92	-1,930.66	-7,591.90	1,887.51	1,799.35	88.16	21.409		
14,200.00	7,140.45	6,893.54	6,827.30	205.29	31.01	-51.95	-1,930.83	-7,591.89	1,791.25	1,700.80	90.45	19.804		
14,300.00	7,140.69	6,893.82	6,827.53	208.10	31.02	-51.98	-1,931.00	-7,591.89	1,695.43	1,602.38	93.05	18.221		
14,400.00	7,140.93	6,894.11	6,827.75	210.91	31.02	-52.01	-1,931.17	-7,591.89	1,600.12	1,504.11	96.01	16.666		
14,500.00	7,141.17	6,894.40	6,827.98	213.73	31.02	-52.05	-1,931.35	-7,591.89	1,505.42	1,406.02	99.41	15.144		
14,600.00	7,141.41	6,894.69	6,828.22	216.54	31.02	-52.08	-1,931.53	-7,591.89	1,411.45	1,308.15	103.31	13.662		
14,700.00	7,141.65	6,894.99	6,828.46	219.36	31.02	-52.12	-1,931.71	-7,591.89	1,318.37	1,210.56	107.82	12.228		
14,800.00	7,141.89	6,895.29	6,828.70	222.17	31.02	-52.15	-1,931.89	-7,591.89	1,226.38	1,113.34	113.04	10.849		
14,900.00	7,142.13	6,895.60	6,828.94	224.99	31.02	-52.19	-1,932.07	-7,591.89	1,135.74	1,016.61	119.13	9.534		
15,000.00	7,142.36	6,895.91	6,829.18	227.81	31.02	-52.22	-1,932.26	-7,591.89	1,046.81	920.57	126.24	8.292		
15,100.00	7,142.60	6,896.22	6,829.43	230.63	31.02	-52.26	-1,932.45	-7,591.89	960.06	825.48	134.58	7.134		
15,200.00	7,142.84	6,896.54	6,829.69	233.45	31.02	-52.29	-1,932.64	-7,591.88	876.14	731.78	144.36	6.069		
15,300.00	7,143.08	6,896.86	6,829.94	236.27	31.02	-52.33	-1,932.84	-7,591.88	795.94	640.16	155.78	5.109		
15,400.00	7,143.32	6,897.18	6,830.20	239.09	31.02	-52.37	-1,933.04	-7,591.88	720.70	551.74	168.96	4.266		
15,500.00	7,143.56	6,897.52	6,830.46	241.91	31.02	-52.41	-1,933.24	-7,591.88	652.16	468.36	183.80	3.548		
15,600.00	7,143.80	6,897.85	6,830.73	244.73	31.02	-52.44	-1,933.44	-7,591.88	592.63	392.93	199.70	2.968		
15,700.00	7,144.04	6,898.19	6,831.00	247.56	31.02	-52.48	-1,933.64	-7,591.88	545.08	329.86	215.22	2.533		
15,800.00	7,144.28	6,898.53	6,831.27	250.38	31.02	-52.52	-1,933.85	-7,591.88	512.85	284.93	227.92	2.250		
15,900.00	7,144.52	6,898.88	6,831.55	253.21	31.02	-52.56	-1,934.07	-7,591.88	498.91	263.94	234.96	2.123		
15,920.51	7,144.57	6,898.95	6,831.61	253.79	31.02	-52.57	-1,934.11	-7,591.88	498.49	262.97	235.51	2.117 CC, ES, SF		
16,000.00	7,144.76	6,899.24	6,831.83	256.03	31.02	-52.60	-1,934.28	-7,591.88	504.78	270.17	234.62	2.152		
16,100.00	7,145.00	6,899.59	6,832.12	258.86	31.03	-52.65	-1,934.50	-7,591.88	529.82	302.37	227.44	2.329		
16,200.00	7,145.24	6,899.96	6,832.40	261.69	31.03	-52.69	-1,934.72	-7,591.88	571.49	355.69	215.80	2.648		
16,300.00	7,145.48	6,900.33	6,832.70	264.52	31.03	-52.73	-1,934.94	-7,591.87	626.50	424.17	202.33	3.096		
16,400.00	7,145.72	6,900.70	6,832.99	267.35	31.03	-52.77	-1,935.17	-7,591.87	691.66	502.77	188.89	3.662		
16,500.00	7,145.96	6,901.08	6,833.29	270.18	31.03	-52.82	-1,935.40	-7,591.87	764.39	587.92	176.47	4.332		
16,600.00	7,146.20	6,901.46	6,833.60	273.01	31.03	-52.86	-1,935.64	-7,591.87	842.73	677.29	165.44	5.094		
16,700.00	7,146.44	6,901.86	6,833.91	275.84	31.03	-52.90	-1,935.88	-7,591.87	925.25	769.42	155.83	5.937		
16,800.00	7,146.68	6,902.25	6,834.22	278.67	31.03	-52.95	-1,936.12	-7,591.87	1,010.93	863.40	147.53	6.852		
16,900.00	7,146.92	6,902.65	6,834.54	281.50	31.03	-53.00	-1,936.36	-7,591.87	1,099.03	958.66	140.37	7.829		
17,000.00	7,147.16	6,903.06	6,834.86	284.33	31.03	-53.04	-1,936.61	-7,591.87	1,189.02	1,054.82	134.19	8.860		
17,100.00	7,147.40	6,903.48	6,835.19	287.16	31.03	-53.09	-1,936.87	-7,591.87	1,280.49	1,151.65	128.84	9.938		
17,200.00	7,147.64	6,903.90	6,835.53	290.00	31.03	-53.14	-1,937.12	-7,591.87	1,373.15	1,248.96	124.19	11.057		
17,300.00	7,147.88	6,904.32	6,835.86	292.83	31.03	-53.19	-1,937.38	-7,591.86	1,466.78	1,346.65	120.13	12.210		
17,400.00	7,148.12	6,904.76	6,836.21	295.66	31.03	-53.24	-1,937.65	-7,591.86	1,561.20	1,444.63	116.56	13.393		
17,500.00	7,148.36	6,905.20	6,836.55	298.50	31.03	-53.29	-1,937.92	-7,591.86	1,656.27	1,542.85	113.42	14.603		
17,600.00	7,148.60	6,905.65	6,836.91	301.33	31.04	-53.34	-1,938.19	-7,591.86	1,751.89	1,641.25	110.64	15.834		
17,700.00	7,148.84	6,906.10	6,837.27	304.17	31.04	-53.39	-1,938.47	-7,591.86	1,847.97	1,739.80	108.17	17.084		
17,800.00	7,149.08	6,906.56	6,837.63	307.00	31.04	-53.45	-1,938.76	-7,591.86	1,944.45	1,838.49	105.97	18.350		
17,900.00	7,149.32	6,907.03	6,838.00	309.84	31.04	-53.50	-1,939.04	-7,591.86	2,041.27	1,937.28	103.99	19.629		
18,000.00	7,149.56	6,907.51	6,838.38	312.68	31.04	-53.55	-1,939.34	-7,591.86	2,138.38	2,036.16	102.22	20.919		
18,100.00	7,149.80	6,907.99	6,838.76	315.51	31.04	-53.61	-1,939.63	-7,591.86	2,235.75	2,135.12	100.62	22.219		
18,200.00	7,150.04	6,908.48	6,839.15	318.35	31.04	-53.67	-1,939.94	-7,591.86	2,333.33	2,234.15	99.18	23.526		
18,300.00	7,150.28	6,908.98	6,839.54	321.19	31.04	-53.72	-1,940.24	-7,591.86	2,431.12	2,333.24	97.87	24.839		
18,400.00	7,150.52	6,909.49	6,839.94	324.03	31.04	-53.78	-1,940.56	-7,591.85	2,529.08	2,432.39	96.69	26.157		
18,500.00	7,150.76	6,910.01	6,840.35	326.86	31.04	-53.84	-1,940.88	-7,591.85	2,627.19	2,531.58	95.61	27.479		
18,600.00	7,151.00	6,910.54	6,840.76	329.70	31.04	-53.90	-1,941.20	-7,591.85	2,725.43	2,630.81	94.62	28.803		
18,700.00	7,151.24	6,911.07	6,841.19	332.54	31.04	-53.96	-1,941.53	-7,591.85	2,823.81	2,730.08	93.72	30.130		
18,800.00	7,151.48	6,911.62	6,841.61	335.38	31.05	-54.03	-1,941.87	-7,591.85	2,922.29	2,829.39	92.90	31.457		
18,900.00	7,151.72	6,912.17	6,842.05	338.22	31.05	-54.09	-1,942.21	-7,591.85	3,020.87	2,928.73	92.14	32.785		
19,000.00	7,151.96	6,912.73	6,842.49	341.06	31.05	-54.15	-1,942.56	-7,591.85	3,119.54	3,028.09	91.45	34.113		
19,018.30	7,152.00	6,912.84	6,842.57	341.58	31.05	-54.17	-1,942.62	-7,591.85	3,137.60	3,046.28	91.33	34.356		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-106.06	-2,047.10	-7,111.30	7,400.08					
100.00	100.00	113.29	113.29	3.28	3.29	-106.06	-2,047.29	-7,111.06	7,399.94	7,393.36	6.57	1,125.608		
200.00	200.00	204.27	204.27	3.34	3.33	-106.07	-2,047.77	-7,110.61	7,399.62	7,392.95	6.67	1,109.847		
210.40	210.40	212.46	212.46	3.35	3.34	116.68	-2,047.84	-7,110.58	7,399.61	7,392.93	6.68	1,107.391		
300.00	299.98	262.97	262.97	3.44	3.38	116.67	-2,048.31	-7,110.45	7,400.43	7,393.61	6.82	1,084.447		
400.00	399.84	306.60	306.59	3.59	3.43	116.63	-2,048.69	-7,110.68	7,403.53	7,396.50	7.03	1,053.489		
500.00	499.45	454.50	454.48	3.80	3.67	116.63	-2,050.16	-7,111.81	7,408.56	7,401.10	7.47	992.223		
600.00	598.70	582.22	582.19	4.04	3.96	116.62	-2,051.93	-7,111.58	7,414.25	7,406.25	8.00	927.325		
700.00	697.47	714.15	714.10	4.32	4.31	116.62	-2,053.43	-7,111.01	7,421.23	7,412.59	8.63	859.746		
800.00	795.62	797.07	797.02	4.65	4.56	116.57	-2,054.67	-7,110.51	7,429.70	7,420.50	9.20	807.474		
900.00	893.06	939.51	939.44	5.01	5.01	116.60	-2,056.72	-7,109.37	7,439.62	7,429.61	10.02	742.710		
1,000.00	989.64	1,041.24	1,041.16	5.42	5.35	116.57	-2,057.84	-7,108.12	7,450.62	7,439.86	10.76	692.580		
1,044.50	1,032.32	1,077.61	1,077.52	5.61	5.48	116.54	-2,058.03	-7,107.77	7,456.08	7,445.01	11.07	673.422		
1,100.00	1,085.43	1,122.50	1,122.40	5.86	5.64	116.63	-2,058.21	-7,107.41	7,463.17	7,451.70	11.47	650.641		
1,200.00	1,181.11	1,218.94	1,218.85	6.33	5.98	116.82	-2,058.50	-7,106.74	7,476.09	7,463.82	12.27	609.386		
1,300.00	1,276.80	1,304.64	1,304.55	6.81	6.30	116.99	-2,058.81	-7,106.10	7,489.07	7,476.02	13.05	573.711		
1,400.00	1,372.49	1,404.03	1,403.93	7.31	6.67	117.18	-2,059.20	-7,105.55	7,502.31	7,488.40	13.91	539.303		
1,500.00	1,468.17	1,509.45	1,509.35	7.83	7.07	117.39	-2,059.21	-7,104.83	7,515.42	7,500.61	14.81	507.563		
1,600.00	1,563.86	1,616.37	1,616.27	8.35	7.48	117.60	-2,059.17	-7,104.02	7,528.55	7,512.82	15.72	478.803		
1,700.00	1,659.55	1,695.83	1,695.72	8.88	7.79	117.76	-2,059.15	-7,103.41	7,541.74	7,525.20	16.55	455.813		
1,800.00	1,755.23	1,792.50	1,792.39	9.42	8.17	117.95	-2,059.33	-7,102.81	7,555.22	7,537.77	17.45	433.000		
1,900.00	1,850.92	1,858.45	1,858.34	9.97	8.43	118.07	-2,059.62	-7,102.37	7,568.82	7,550.59	18.23	415.203		
2,000.00	1,946.61	1,917.00	1,916.89	10.52	8.66	118.19	-2,059.49	-7,102.48	7,583.07	7,564.09	18.98	399.516		
2,100.00	2,042.29	1,962.35	1,962.23	11.07	8.83	118.28	-2,059.10	-7,102.91	7,597.95	7,578.28	19.68	386.166		
2,200.00	2,137.98	2,020.02	2,019.89	11.63	9.04	118.40	-2,058.19	-7,103.82	7,613.42	7,593.00	20.42	372.835		
2,300.00	2,233.67	2,090.64	2,090.47	12.19	9.31	118.55	-2,056.30	-7,105.40	7,629.37	7,608.15	21.22	359.529		
2,400.00	2,329.35	2,192.32	2,192.01	12.76	9.70	118.79	-2,051.82	-7,108.24	7,645.57	7,623.42	22.15	345.168		
2,500.00	2,425.04	2,332.31	2,331.66	13.32	10.25	119.13	-2,043.00	-7,112.14	7,661.50	7,638.25	23.25	329.572		
2,600.00	2,520.72	2,419.53	2,418.61	13.89	10.60	119.34	-2,036.53	-7,114.46	7,677.24	7,653.10	24.13	318.112		
2,700.00	2,616.41	2,487.00	2,485.82	14.46	10.87	119.51	-2,031.10	-7,116.66	7,693.49	7,668.55	24.94	308.464		
2,800.00	2,712.10	2,583.26	2,581.65	15.03	11.27	119.76	-2,022.62	-7,120.09	7,710.06	7,684.19	25.88	297.959		
2,900.00	2,807.78	2,673.29	2,671.19	15.60	11.64	120.00	-2,013.88	-7,123.33	7,726.65	7,699.86	26.79	288.412		
3,000.00	2,903.47	2,739.99	2,737.46	16.18	11.92	120.18	-2,006.83	-7,125.97	7,743.56	7,715.95	27.61	280.500		
3,100.00	2,999.16	2,807.08	2,804.05	16.75	12.21	120.36	-1,999.19	-7,128.96	7,760.93	7,732.51	28.43	273.026		
3,200.00	3,094.84	2,877.68	2,874.12	17.33	12.51	120.56	-1,991.14	-7,132.32	7,778.75	7,749.49	29.26	265.824		
3,300.00	3,190.53	2,961.22	2,957.06	17.90	12.87	120.78	-1,982.07	-7,136.36	7,796.89	7,766.73	30.16	258.507		
3,400.00	3,286.22	3,014.27	3,009.76	18.48	13.10	120.92	-1,976.52	-7,139.05	7,815.47	7,784.55	30.92	252.767		
3,500.00	3,381.90	3,071.79	3,066.86	19.06	13.35	121.07	-1,970.47	-7,142.27	7,834.66	7,802.96	31.70	247.167		
3,600.00	3,477.59	3,159.76	3,154.20	19.64	13.74	121.31	-1,961.33	-7,147.37	7,854.22	7,821.60	32.62	240.771		
3,700.00	3,573.28	3,358.33	3,351.57	20.22	14.62	121.82	-1,941.92	-7,157.43	7,873.42	7,839.34	34.07	231.064		
3,800.00	3,668.96	3,432.26	3,425.04	20.80	14.95	122.01	-1,934.45	-7,160.82	7,892.20	7,857.26	34.94	225.892		
3,900.00	3,764.65	3,551.10	3,543.11	21.38	15.49	122.32	-1,922.08	-7,166.11	7,910.97	7,874.95	36.02	219.624		
4,000.00	3,860.33	3,625.30	3,616.84	21.96	15.82	122.51	-1,914.36	-7,169.40	7,929.89	7,893.00	36.89	214.973		
4,100.00	3,956.02	3,682.30	3,673.47	22.54	16.08	122.66	-1,908.47	-7,172.10	7,949.26	7,911.59	37.67	211.022		
4,200.00	4,051.71	3,749.77	3,740.50	23.13	16.39	122.83	-1,901.58	-7,175.60	7,969.17	7,930.67	38.50	206.975		
4,300.00	4,147.39	3,818.00	3,808.29	23.71	16.70	123.00	-1,894.77	-7,179.16	7,989.34	7,950.00	39.34	203.091		
4,400.00	4,243.08	3,883.34	3,873.18	24.29	17.00	123.17	-1,888.02	-7,182.81	8,009.94	7,969.78	40.16	199.447		
4,500.00	4,338.77	3,944.40	3,933.73	24.88	17.29	123.33	-1,881.22	-7,186.64	8,031.17	7,990.21	40.96	196.070		
4,600.00	4,434.45	4,024.47	4,013.11	25.46	17.66	123.54	-1,872.08	-7,191.86	8,052.76	8,010.90	41.86	192.378		
4,700.00	4,530.14	4,209.68	4,196.63	26.04	18.54	124.03	-1,849.89	-7,203.42	8,074.36	8,031.06	43.31	186.443		
4,800.00	4,625.83	4,287.08	4,273.39	26.63	18.91	124.23	-1,840.97	-7,207.68	8,095.32	8,051.13	44.20	183.170		
4,900.00	4,721.51	4,514.78	4,499.49	27.21	19.98	124.80	-1,816.42	-7,218.62	8,116.06	8,070.20	45.86	176.986		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,630.12	4,614.10	27.80	20.52	125.08	-1,804.21	-7,222.96	8,135.84	8,088.90	46.94	173.327		
5,100.00	4,912.89	4,734.74	4,718.16	28.38	21.01	125.33	-1,793.93	-7,226.36	8,155.32	8,107.35	47.96	170.034		
5,200.00	5,008.57	4,850.28	4,833.28	28.97	21.53	125.60	-1,784.71	-7,229.86	8,174.92	8,125.89	49.03	166.720		
5,300.00	5,104.26	4,927.88	4,910.67	29.55	21.88	125.76	-1,779.59	-7,231.99	8,194.48	8,144.58	49.91	164.192		
5,400.00	5,199.94	5,192.83	5,175.38	30.14	23.03	126.27	-1,769.93	-7,236.05	8,213.23	8,161.56	51.67	158.965		
5,500.00	5,295.63	5,261.26	5,243.80	30.72	23.32	126.39	-1,768.98	-7,236.37	8,231.28	8,178.80	52.48	156.839		
5,600.00	5,391.32	5,329.00	5,311.54	31.31	23.60	126.51	-1,768.30	-7,236.89	8,249.72	8,196.43	53.29	154.803		
5,700.00	5,487.00	5,386.60	5,369.13	31.90	23.84	126.61	-1,767.93	-7,237.53	8,268.59	8,214.54	54.05	152.979		
5,800.00	5,582.69	5,433.00	5,415.53	32.48	24.03	126.69	-1,767.75	-7,238.25	8,288.00	8,233.25	54.75	151.368		
5,900.00	5,678.38	5,495.10	5,477.62	33.07	24.28	126.79	-1,767.64	-7,239.50	8,307.92	8,252.40	55.53	149.618		
6,000.00	5,774.06	5,753.34	5,735.79	33.65	25.32	127.19	-1,771.51	-7,242.43	8,327.04	8,269.85	57.19	145.597		
6,100.00	5,869.75	5,850.13	5,832.57	34.24	25.70	127.33	-1,773.26	-7,242.61	8,345.44	8,287.32	58.12	143.592		
6,200.00	5,965.44	5,934.93	5,917.36	34.83	26.04	127.46	-1,774.35	-7,242.85	8,363.95	8,304.96	58.99	141.776		
6,300.00	6,061.12	6,014.28	5,996.70	35.41	26.36	127.58	-1,775.12	-7,243.24	8,382.70	8,322.86	59.85	140.072		
6,400.00	6,156.81	6,103.76	6,086.18	36.00	26.72	127.72	-1,775.86	-7,243.81	8,401.63	8,340.89	60.74	138.311		
6,500.00	6,252.50	6,191.91	6,174.32	36.59	27.08	127.86	-1,776.65	-7,244.43	8,420.70	8,359.06	61.64	136.616		
6,600.00	6,348.18	6,275.62	6,258.03	37.18	27.42	127.98	-1,777.39	-7,245.12	8,439.93	8,377.42	62.51	135.016		
6,636.04	6,382.67	6,302.70	6,285.10	37.39	27.53	128.03	-1,777.60	-7,245.38	8,446.91	8,384.10	62.81	134.481		
6,650.00	6,396.05	6,312.37	6,294.77	37.47	27.57	124.77	-1,777.67	-7,245.48	8,449.47	8,386.55	62.92	134.284		
6,700.00	6,444.38	6,347.28	6,329.68	37.74	27.72	110.26	-1,777.84	-7,245.87	8,456.24	8,392.93	63.31	133.561		
6,750.00	6,493.07	6,383.16	6,365.56	37.98	27.86	91.68	-1,777.92	-7,246.34	8,459.20	8,395.52	63.69	132.822		
6,800.00	6,541.82	6,446.13	6,428.52	38.18	28.13	72.15	-1,778.00	-7,247.13	8,458.23	8,394.06	64.17	131.817		
6,850.00	6,590.35	6,464.91	6,447.30	38.35	28.20	55.59	-1,778.17	-7,247.39	8,453.42	8,389.02	64.40	131.263		
6,900.00	6,638.34	6,477.00	6,459.39	38.50	28.25	43.42	-1,778.41	-7,247.58	8,444.92	8,380.34	64.57	130.782		
6,950.00	6,685.50	6,509.00	6,491.35	38.64	28.38	34.88	-1,779.78	-7,248.19	8,432.75	8,367.94	64.81	130.115		
7,000.00	6,731.54	6,509.00	6,491.35	38.77	28.38	28.77	-1,779.78	-7,248.19	8,417.00	8,352.13	64.87	129.747		
7,050.00	6,776.18	6,528.42	6,510.71	38.90	28.46	24.33	-1,781.19	-7,248.65	8,397.76	8,332.75	65.00	129.188		
7,100.00	6,819.14	6,541.00	6,523.23	39.03	28.51	20.96	-1,782.36	-7,249.00	8,375.14	8,310.05	65.09	128.677		
7,150.00	6,860.16	6,554.03	6,536.18	39.16	28.55	18.34	-1,783.77	-7,249.40	8,349.26	8,284.10	65.15	128.147		
7,200.00	6,898.98	6,572.00	6,554.00	39.31	28.62	16.23	-1,786.03	-7,250.00	8,320.25	8,255.02	65.23	127.551		
7,250.00	6,935.36	6,581.65	6,563.54	39.47	28.66	14.48	-1,787.40	-7,250.35	8,288.25	8,222.99	65.26	127.008		
7,300.00	6,969.08	6,604.00	6,585.59	39.65	28.74	12.99	-1,790.97	-7,251.19	8,253.45	8,188.11	65.33	126.325		
7,350.00	6,999.94	6,626.02	6,607.21	39.85	28.82	11.65	-1,795.04	-7,252.02	8,215.99	8,150.59	65.40	125.621		
7,400.00	7,027.74	6,665.86	6,646.06	40.08	28.96	10.38	-1,803.75	-7,253.42	8,176.05	8,110.50	65.55	124.734		
7,450.00	7,052.31	6,690.81	6,670.18	40.34	29.04	9.10	-1,810.08	-7,254.23	8,133.86	8,068.24	65.62	123.951		
7,500.00	7,073.49	6,710.38	6,688.97	40.63	29.11	7.71	-1,815.53	-7,254.85	8,089.71	8,024.04	65.67	123.185		
7,550.00	7,091.17	6,726.14	6,704.01	40.95	29.16	6.06	-1,820.20	-7,255.33	8,043.89	7,978.18	65.71	122.422		
7,600.00	7,105.22	6,736.11	6,713.48	41.31	29.19	3.84	-1,823.30	-7,255.64	7,996.65	7,930.93	65.72	121.678		
7,650.00	7,115.57	6,742.81	6,719.83	41.71	29.21	0.33	-1,825.44	-7,255.84	7,948.31	7,882.58	65.72	120.934		
7,700.00	7,122.15	6,747.42	6,724.18	42.15	29.23	-6.62	-1,826.95	-7,255.99	7,899.13	7,833.41	65.73	120.181		
7,750.00	7,124.91	6,749.91	6,726.53	42.62	29.23	-27.12	-1,827.77	-7,256.06	7,849.44	7,783.71	65.73	119.419		
7,759.54	7,125.00	6,750.14	6,726.75	42.72	29.23	-35.74	-1,827.84	-7,256.07	7,839.92	7,774.19	65.73	119.272		
7,800.00	7,125.10	6,750.96	6,727.52	43.13	29.24	-35.82	-1,828.12	-7,256.10	7,799.54	7,733.81	65.73	118.654		
7,900.00	7,125.34	6,752.98	6,728.42	44.28	29.24	-36.01	-1,828.79	-7,256.16	7,699.75	7,634.01	65.74	117.126		
8,000.00	7,125.58	6,755.02	6,731.34	45.61	29.25	-36.21	-1,829.48	-7,256.22	7,599.96	7,534.22	65.75	115.595		
8,100.00	7,125.82	6,761.00	6,736.96	47.10	29.27	-36.78	-1,831.51	-7,256.41	7,500.18	7,434.41	65.77	114.029		
8,200.00	7,126.06	6,761.00	6,736.96	48.72	29.27	-36.78	-1,831.51	-7,256.41	7,400.41	7,334.63	65.78	112.510		
8,300.00	7,126.30	6,793.00	6,766.78	50.48	29.37	-40.02	-1,843.07	-7,257.31	7,300.63	7,234.70	65.93	110.731		
8,400.00	7,126.54	6,799.25	6,772.56	52.34	29.39	-40.69	-1,845.46	-7,257.46	7,200.85	7,134.88	65.97	109.156		
8,500.00	7,126.78	6,805.26	6,778.10	54.30	29.40	-41.34	-1,847.80	-7,257.60	7,101.07	7,035.06	66.01	107.581		
8,600.00	7,127.02	6,810.93	6,783.30	56.35	29.42	-41.96	-1,850.04	-7,257.72	7,001.30	6,935.25	66.05	106.007		
8,700.00	7,127.26	6,816.29	6,788.21	58.47	29.44	-42.56	-1,852.20	-7,257.84	6,901.52	6,835.44	66.09	104.432		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	6,821.36	6,792.83	60.66	29.45	-43.13	-1,854.26	-7,257.94	6,801.76	6,735.63	66.13	102.857		
8,900.00	7,127.74	6,826.40	6,797.42	62.90	29.47	-43.70	-1,856.34	-7,258.04	6,702.00	6,635.82	66.17	101.280		
9,000.00	7,127.98	6,831.82	6,802.35	65.19	29.48	-44.32	-1,858.61	-7,258.14	6,602.24	6,536.02	66.22	99.697		
9,100.00	7,128.22	6,836.89	6,806.94	67.53	29.50	-44.91	-1,860.77	-7,258.24	6,502.49	6,436.22	66.27	98.115		
9,200.00	7,128.46	6,841.65	6,811.23	69.92	29.51	-45.47	-1,862.81	-7,258.32	6,402.75	6,336.42	66.33	96.533		
9,300.00	7,128.70	6,847.07	6,802.95	72.33	29.82	-58.70	-1,914.62	-7,258.69	6,303.00	6,236.04	66.96	94.137		
9,400.00	7,128.94	6,846.77	6,802.70	74.78	29.82	-58.67	-1,914.46	-7,258.69	6,203.25	6,136.25	67.00	92.586		
9,500.00	7,129.18	6,846.48	6,802.45	77.26	29.81	-58.63	-1,914.30	-7,258.70	6,103.51	6,036.46	67.05	91.032		
9,600.00	7,129.42	6,846.20	6,802.22	79.76	29.81	-58.59	-1,914.14	-7,258.70	6,003.78	5,936.68	67.10	89.476		
9,700.00	7,129.66	6,845.92	6,801.99	82.29	29.81	-58.56	-1,913.99	-7,258.70	5,904.06	5,836.91	67.16	87.917		
9,800.00	7,129.90	6,845.66	6,801.77	84.84	29.81	-58.52	-1,913.85	-7,258.70	5,804.35	5,737.13	67.21	86.355		
9,900.00	7,130.14	6,845.40	6,801.55	87.41	29.81	-58.49	-1,913.71	-7,258.71	5,704.65	5,637.37	67.28	84.791		
10,000.00	7,130.38	6,845.16	6,801.34	90.00	29.81	-58.46	-1,913.57	-7,258.71	5,604.96	5,537.61	67.35	83.223		
10,100.00	7,130.62	6,844.91	6,801.14	92.60	29.81	-58.43	-1,913.44	-7,258.71	5,505.28	5,437.86	67.42	81.654		
10,200.00	7,130.86	6,844.68	6,800.94	95.22	29.81	-58.40	-1,913.31	-7,258.71	5,405.61	5,338.11	67.50	80.081		
10,300.00	7,131.09	6,844.45	6,800.75	97.85	29.81	-58.37	-1,913.19	-7,258.72	5,305.95	5,238.37	67.59	78.506		
10,400.00	7,131.33	6,844.23	6,800.57	100.50	29.81	-58.34	-1,913.07	-7,258.72	5,206.31	5,138.63	67.68	76.928		
10,500.00	7,131.57	6,844.01	6,800.39	103.16	29.81	-58.31	-1,912.95	-7,258.72	5,106.68	5,038.91	67.78	75.347		
10,600.00	7,131.81	6,843.80	6,800.21	105.82	29.81	-58.28	-1,912.84	-7,258.72	5,007.07	4,939.19	67.88	73.763		
10,700.00	7,132.05	6,843.60	6,800.04	108.50	29.81	-58.26	-1,912.73	-7,258.72	4,907.47	4,839.48	67.99	72.176		
10,800.00	7,132.29	6,843.40	6,899.87	111.19	29.81	-58.23	-1,912.62	-7,258.73	4,807.89	4,739.78	68.11	70.587		
10,900.00	7,132.53	6,843.21	6,899.71	113.88	29.81	-58.21	-1,912.51	-7,258.73	4,708.33	4,640.09	68.24	68.994		
11,000.00	7,132.77	6,843.02	6,899.55	116.58	29.80	-58.18	-1,912.41	-7,258.73	4,608.79	4,540.40	68.38	67.398		
11,100.00	7,133.01	6,842.83	6,899.40	119.29	29.80	-58.16	-1,912.31	-7,258.73	4,509.26	4,440.73	68.53	65.799		
11,200.00	7,133.25	6,842.65	6,899.25	122.01	29.80	-58.13	-1,912.21	-7,258.73	4,409.76	4,341.07	68.69	64.197		
11,300.00	7,133.49	6,842.48	6,899.10	124.73	29.80	-58.11	-1,912.12	-7,258.73	4,310.28	4,241.42	68.86	62.592		
11,400.00	7,133.73	6,842.31	6,898.96	127.46	29.80	-58.09	-1,912.03	-7,258.74	4,210.82	4,141.78	69.05	60.983		
11,500.00	7,133.97	6,842.14	6,898.82	130.19	29.80	-58.07	-1,911.94	-7,258.74	4,111.40	4,042.15	69.25	59.371		
11,600.00	7,134.21	6,841.98	6,898.68	132.93	29.80	-58.05	-1,911.85	-7,258.74	4,012.00	3,942.53	69.47	57.755		
11,700.00	7,134.45	6,841.82	6,898.55	135.68	29.80	-58.03	-1,911.76	-7,258.74	3,912.63	3,842.93	69.70	56.136		
11,800.00	7,134.69	6,841.67	6,898.41	138.43	29.80	-58.01	-1,911.68	-7,258.74	3,813.29	3,743.34	69.95	54.513		
11,900.00	7,134.93	6,841.51	6,898.29	141.18	29.80	-57.99	-1,911.60	-7,258.74	3,713.99	3,643.76	70.23	52.886		
12,000.00	7,135.17	6,841.37	6,898.16	143.94	29.80	-57.97	-1,911.52	-7,258.74	3,614.73	3,544.20	70.52	51.256		
12,100.00	7,135.41	6,841.22	6,898.04	146.70	29.80	-57.95	-1,911.44	-7,258.75	3,515.51	3,444.66	70.85	49.621		
12,200.00	7,135.65	6,841.08	6,897.92	149.46	29.80	-57.93	-1,911.36	-7,258.75	3,416.33	3,345.13	71.20	47.983		
12,300.00	7,135.89	6,840.94	6,897.81	152.23	29.80	-57.91	-1,911.29	-7,258.75	3,317.21	3,245.62	71.58	46.341		
12,400.00	7,136.13	6,840.81	6,897.69	155.00	29.80	-57.90	-1,911.21	-7,258.75	3,218.13	3,146.13	72.00	44.696		
12,500.00	7,136.37	6,840.67	6,897.58	157.78	29.80	-57.88	-1,911.14	-7,258.75	3,119.12	3,046.66	72.46	43.046		
12,600.00	7,136.61	6,840.54	6,897.47	160.55	29.80	-57.86	-1,911.07	-7,258.75	3,020.18	2,947.21	72.96	41.393		
12,700.00	7,136.85	6,840.42	6,897.37	163.33	29.80	-57.85	-1,911.00	-7,258.75	2,921.30	2,847.78	73.52	39.737		
12,800.00	7,137.09	6,840.29	6,897.26	166.12	29.80	-57.83	-1,910.94	-7,258.75	2,822.50	2,748.38	74.12	38.078		
12,900.00	7,137.33	6,840.17	6,897.16	168.90	29.80	-57.81	-1,910.87	-7,258.75	2,723.80	2,649.00	74.80	36.416		
13,000.00	7,137.57	6,840.05	6,897.06	171.69	29.80	-57.80	-1,910.81	-7,258.76	2,625.18	2,549.64	75.54	34.752		
13,100.00	7,137.81	6,839.94	6,896.96	174.48	29.80	-57.78	-1,910.74	-7,258.76	2,526.68	2,450.32	76.37	33.086		
13,200.00	7,138.05	6,839.82	6,896.86	177.27	29.80	-57.77	-1,910.68	-7,258.76	2,428.30	2,351.02	77.28	31.420		
13,300.00	7,138.29	6,839.71	6,896.77	180.07	29.80	-57.76	-1,910.62	-7,258.76	2,330.06	2,251.75	78.31	29.755		
13,400.00	7,138.53	6,839.60	6,896.68	182.86	29.80	-57.74	-1,910.56	-7,258.76	2,231.98	2,152.52	79.46	28.091		
13,500.00	7,138.77	6,839.49	6,896.59	185.66	29.79	-57.73	-1,910.50	-7,258.76	2,134.07	2,053.33	80.74	26.430		
13,600.00	7,139.01	6,839.39	6,896.50	188.46	29.79	-57.71	-1,910.45	-7,258.76	2,036.37	1,954.18	82.19	24.776		
13,700.00	7,139.25	6,839.28	6,896.41	191.26	29.79	-57.70	-1,910.39	-7,258.76	1,938.90	1,855.07	83.83	23.129		
13,800.00	7,139.49	6,839.18	6,896.32	194.06	29.79	-57.69	-1,910.34	-7,258.76	1,841.70	1,756.02	85.69	21.493		
13,900.00	7,139.73	6,839.08	6,896.24	196.87	29.79	-57.67	-1,910.28	-7,258.76	1,744.82	1,657.02	87.80	19.872		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	6,938.98	6,896.16	199.68	29.79	-57.66	-1,910.23	-7,258.76	1,648.31	1,558.09	90.22	18.270		
14,100.00	7,140.21	6,938.89	6,896.08	202.48	29.79	-57.65	-1,910.18	-7,258.77	1,552.25	1,459.25	93.00	16.691		
14,200.00	7,140.45	6,938.79	6,896.00	205.29	29.79	-57.64	-1,910.13	-7,258.77	1,456.71	1,360.50	96.21	15.142		
14,300.00	7,140.69	6,938.70	6,895.92	208.10	29.79	-57.62	-1,910.08	-7,258.77	1,361.81	1,261.89	99.92	13.628		
14,400.00	7,140.93	6,938.61	6,895.84	210.91	29.79	-57.61	-1,910.03	-7,258.77	1,267.70	1,163.44	104.26	12.159		
14,500.00	7,141.17	6,938.52	6,895.77	213.73	29.79	-57.60	-1,909.98	-7,258.77	1,174.57	1,065.22	109.35	10.742		
14,600.00	7,141.41	6,938.43	6,895.69	216.54	29.79	-57.59	-1,909.93	-7,258.77	1,082.65	967.31	115.34	9.386		
14,700.00	7,141.65	6,938.34	6,895.62	219.36	29.79	-57.58	-1,909.89	-7,258.77	992.31	869.86	122.45	8.104		
14,800.00	7,141.89	6,938.26	6,895.55	222.17	29.79	-57.57	-1,909.84	-7,258.77	904.00	773.08	130.92	6.905		
14,900.00	7,142.13	6,938.18	6,895.48	224.99	29.79	-57.56	-1,909.80	-7,258.77	818.38	677.34	141.03	5.803		
15,000.00	7,142.36	6,938.09	6,895.41	227.81	29.79	-57.55	-1,909.75	-7,258.77	736.39	583.30	153.10	4.810		
15,100.00	7,142.60	6,938.01	6,895.34	230.63	29.79	-57.54	-1,909.71	-7,258.77	659.40	492.05	167.35	3.940		
15,200.00	7,142.84	6,937.93	6,895.27	233.45	29.79	-57.53	-1,909.67	-7,258.77	589.36	405.59	183.77	3.207		
15,300.00	7,143.08	6,937.86	6,895.21	236.27	29.79	-57.52	-1,909.62	-7,258.77	529.03	327.36	201.68	2.623		
15,400.00	7,143.32	6,937.78	6,895.14	239.09	29.79	-57.51	-1,909.58	-7,258.78	462.09	262.97	219.12	2.200		
15,500.00	7,143.56	6,937.70	6,895.08	241.91	29.79	-57.50	-1,909.54	-7,258.78	452.71	220.10	232.61	1.946		
15,587.33	7,143.77	6,937.64	6,895.02	244.38	29.79	-57.49	-1,909.51	-7,258.78	444.20	206.16	238.04	1.866 CC		
15,600.00	7,143.80	6,937.63	6,895.02	244.73	29.79	-57.49	-1,909.50	-7,258.78	444.39	206.16	238.23	1.865 ES, SF		
15,700.00	7,144.04	6,937.56	6,894.96	247.56	29.79	-57.48	-1,909.46	-7,258.78	458.27	223.94	234.33	1.956		
15,800.00	7,144.28	6,937.48	6,894.89	250.38	29.79	-57.47	-1,909.42	-7,258.78	492.49	269.58	222.91	2.209		
15,900.00	7,144.52	6,937.41	6,894.84	253.21	29.79	-57.46	-1,909.39	-7,258.78	543.21	335.41	207.80	2.614		
16,000.00	7,144.76	6,937.34	6,894.78	256.03	29.79	-57.45	-1,909.35	-7,258.78	606.31	414.15	192.16	3.155		
16,100.00	7,145.00	6,937.28	6,894.72	258.86	29.79	-57.44	-1,909.31	-7,258.78	678.34	500.65	177.69	3.818		
16,200.00	7,145.24	6,937.21	6,894.66	261.69	29.79	-57.43	-1,909.28	-7,258.78	756.76	591.75	165.00	4.586		
16,300.00	7,145.48	6,937.14	6,894.61	264.52	29.79	-57.42	-1,909.24	-7,258.78	839.77	685.62	154.15	5.448		
16,400.00	7,145.72	6,937.08	6,894.55	267.35	29.79	-57.42	-1,909.20	-7,258.78	926.15	781.19	144.95	6.389		
16,500.00	7,145.96	6,937.01	6,894.50	270.18	29.79	-57.41	-1,909.17	-7,258.78	1,015.03	877.86	137.17	7.400		
16,600.00	7,146.20	6,936.95	6,894.44	273.01	29.79	-57.40	-1,909.14	-7,258.78	1,105.81	975.25	130.56	8.470		
16,700.00	7,146.44	6,936.89	6,894.39	275.84	29.79	-57.39	-1,909.10	-7,258.78	1,198.06	1,073.14	124.92	9.591		
16,800.00	7,146.68	6,936.82	6,894.34	278.67	29.79	-57.38	-1,909.07	-7,258.78	1,291.46	1,171.38	120.08	10.755		
16,900.00	7,146.92	6,936.76	6,894.29	281.50	29.79	-57.38	-1,909.04	-7,258.78	1,385.79	1,269.88	115.91	11.956		
17,000.00	7,147.16	6,936.70	6,894.24	284.33	29.79	-57.37	-1,909.00	-7,258.78	1,480.86	1,368.57	112.29	13.188		
17,100.00	7,147.40	6,936.64	6,894.19	287.16	29.79	-57.36	-1,908.97	-7,258.78	1,576.54	1,467.41	109.13	14.446		
17,200.00	7,147.64	6,936.59	6,894.14	290.00	29.79	-57.35	-1,908.94	-7,258.79	1,672.73	1,566.36	106.36	15.726		
17,300.00	7,147.88	6,936.53	6,894.09	292.83	29.79	-57.34	-1,908.91	-7,258.79	1,769.34	1,665.41	103.92	17.025		
17,400.00	7,148.12	6,936.47	6,894.04	295.66	29.79	-57.34	-1,908.88	-7,258.79	1,866.30	1,764.54	101.77	18.339		
17,500.00	7,148.36	6,936.42	6,893.99	298.50	29.79	-57.33	-1,908.85	-7,258.79	1,963.57	1,863.73	99.85	19.666		
17,600.00	7,148.60	6,936.36	6,893.95	301.33	29.79	-57.32	-1,908.82	-7,258.79	2,061.10	1,962.97	98.14	21.003		
17,700.00	7,148.84	6,936.31	6,893.90	304.17	29.79	-57.32	-1,908.79	-7,258.79	2,158.86	2,062.26	96.60	22.348		
17,800.00	7,149.08	6,936.25	6,893.86	307.00	29.79	-57.31	-1,908.76	-7,258.79	2,256.82	2,161.59	95.23	23.700		
17,900.00	7,149.32	6,936.20	6,893.81	309.84	29.79	-57.30	-1,908.74	-7,258.79	2,354.94	2,260.96	93.99	25.056		
18,000.00	7,149.56	6,936.15	6,893.77	312.68	29.79	-57.30	-1,908.71	-7,258.79	2,453.22	2,360.35	92.87	26.417		
18,100.00	7,149.80	6,936.10	6,893.73	315.51	29.79	-57.29	-1,908.68	-7,258.79	2,551.63	2,459.78	91.85	27.780		
18,200.00	7,150.04	6,936.05	6,893.68	318.35	29.78	-57.28	-1,908.65	-7,258.79	2,650.16	2,559.23	90.93	29.144		
18,300.00	7,150.28	6,936.00	6,893.64	321.19	29.78	-57.28	-1,908.63	-7,258.79	2,748.80	2,658.70	90.09	30.510		
18,400.00	7,150.52	6,935.95	6,893.60	324.03	29.78	-57.27	-1,908.60	-7,258.79	2,847.53	2,758.20	89.33	31.876		
18,500.00	7,150.76	6,935.90	6,893.56	326.86	29.78	-57.26	-1,908.57	-7,258.79	2,946.35	2,857.71	88.64	33.241		
18,600.00	7,151.00	6,935.85	6,893.52	329.70	29.78	-57.26	-1,908.55	-7,258.79	3,045.24	2,957.24	88.00	34.605		
18,700.00	7,151.24	6,935.80	6,893.48	332.54	29.78	-57.25	-1,908.52	-7,258.79	3,144.20	3,056.79	87.42	35.968		
18,800.00	7,151.48	6,935.76	6,893.44	335.38	29.78	-57.25	-1,908.50	-7,258.79	3,243.23	3,156.35	86.88	37.329		
18,900.00	7,151.72	6,935.71	6,893.40	338.22	29.78	-57.24	-1,908.47	-7,258.79	3,342.32	3,255.92	86.39	38.687		
19,000.00	7,151.96	6,935.67	6,893.36	341.06	29.78	-57.23	-1,908.45	-7,258.79	3,441.46	3,355.51	85.94	40.043		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
19,018.30	7,152.00	6,935.66	6,893.35	341.58	29.78	-57.23	-1,908.44	-7,258.79	3,459.60	3,373.74	85.87	40.291		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	232.48	232.40	3.28	3.36	-106.14	-2,048.66	-7,079.07	7,373.53					
100.00	100.00	319.28	319.15	3.28	3.46	-106.14	-2,048.08	-7,076.34	7,370.33	7,363.58	6.74	1,092.849		
200.00	200.00	368.31	368.16	3.34	3.53	-106.14	-2,047.97	-7,074.93	7,367.53	7,360.67	6.87	1,072.997		
300.00	299.98	422.00	421.84	3.44	3.62	116.64	-2,046.92	-7,074.14	7,366.29	7,359.23	7.06	1,043.431		
307.62	307.60	422.00	421.84	3.45	3.62	116.64	-2,046.92	-7,074.14	7,366.29	7,359.22	7.07	1,041.988		
400.00	399.84	458.15	457.98	3.59	3.69	116.64	-2,046.01	-7,073.95	7,367.34	7,360.06	7.28	1,012.191		
500.00	499.45	513.00	512.82	3.80	3.81	116.62	-2,045.14	-7,073.92	7,370.70	7,363.11	7.59	970.820		
600.00	598.70	603.17	602.98	4.04	4.02	116.61	-2,044.52	-7,073.96	7,376.05	7,368.00	8.05	916.534		
700.00	697.47	767.13	766.94	4.32	4.47	116.68	-2,042.96	-7,072.95	7,382.13	7,373.35	8.78	840.378		
800.00	795.62	866.04	865.83	4.65	4.77	116.69	-2,041.66	-7,072.22	7,389.75	7,380.34	9.41	785.054		
900.00	893.06	938.55	938.34	5.01	5.01	116.64	-2,041.02	-7,071.70	7,399.12	7,389.11	10.01	739.210		
1,000.00	989.64	1,073.28	1,073.05	5.42	5.47	116.69	-2,039.24	-7,070.99	7,410.22	7,399.36	10.87	681.948		
1,044.50	1,032.32	1,098.64	1,098.41	5.61	5.56	116.65	-2,038.79	-7,070.84	7,415.57	7,404.43	11.14	665.444		
1,100.00	1,085.43	1,138.79	1,138.55	5.86	5.70	116.74	-2,038.05	-7,070.65	7,422.54	7,411.01	11.53	643.869		
1,200.00	1,181.11	1,196.27	1,196.02	6.33	5.91	116.86	-2,037.00	-7,070.55	7,435.47	7,423.28	12.19	610.174		
1,300.00	1,276.80	2,057.03	2,054.19	6.81	9.34	118.76	-2,001.11	-7,032.97	7,445.37	7,429.35	16.02	464.714		
1,400.00	1,372.49	2,107.00	2,103.80	7.31	9.56	118.88	-1,996.66	-7,028.94	7,449.38	7,432.66	16.72	445.511		
1,500.00	1,468.17	2,323.40	2,318.49	7.83	10.53	119.41	-1,977.84	-7,009.51	7,452.69	7,434.56	18.13	411.088		
1,600.00	1,563.86	2,376.79	2,371.48	8.35	10.77	119.53	-1,973.82	-7,004.32	7,455.86	7,436.99	18.87	395.142		
1,700.00	1,659.55	2,442.93	2,437.17	8.88	11.07	119.68	-1,969.20	-6,998.15	7,459.63	7,439.96	19.67	379.238		
1,800.00	1,755.23	2,551.04	2,544.54	9.42	11.57	119.93	-1,961.24	-6,988.39	7,463.74	7,443.08	20.66	361.329		
1,900.00	1,850.92	2,736.87	2,728.85	9.97	12.44	120.38	-1,945.80	-6,970.40	7,467.10	7,445.12	21.98	339.664		
2,000.00	1,946.61	2,000.00	2,859.59	10.52	9.05	120.68	-1,936.18	-6,956.05	7,469.67	7,450.32	19.36	385.916		
2,100.00	2,042.29	2,930.24	2,920.58	11.07	13.35	120.81	-1,932.56	-6,949.12	7,472.42	7,448.53	23.89	312.748		
2,200.00	2,137.98	2,963.00	2,953.10	11.63	13.50	120.88	-1,930.60	-6,945.64	7,475.93	7,451.35	24.58	304.139		
2,300.00	2,233.67	3,008.19	2,997.99	12.19	13.72	120.98	-1,927.88	-6,941.19	7,480.25	7,454.92	25.32	295.391		
2,400.00	2,329.35	3,058.00	3,047.51	12.76	13.95	121.09	-1,924.83	-6,936.89	7,485.54	7,459.45	26.09	286.946		
2,500.00	2,425.04	3,246.00	3,234.26	13.32	14.84	121.51	-1,912.35	-6,919.26	7,490.08	7,462.63	27.45	272.850		
2,600.00	2,520.72	3,292.89	3,280.82	13.89	15.06	121.62	-1,909.05	-6,914.74	7,494.75	7,466.54	28.21	265.686		
2,700.00	2,616.41	3,341.00	3,328.65	14.46	15.29	121.73	-1,905.94	-6,910.63	7,500.41	7,471.44	28.97	258.882		
2,800.00	2,712.10	3,429.53	3,416.71	15.03	15.70	121.93	-1,900.37	-6,903.36	7,506.64	7,476.73	29.91	250.958		
2,900.00	2,807.78	3,565.00	3,551.37	15.60	16.34	122.23	-1,891.64	-6,891.40	7,512.35	7,481.29	31.06	241.870		
3,000.00	2,903.47	3,000.00	3,669.79	16.18	13.66	122.50	-1,883.45	-6,880.70	7,518.03	7,488.92	29.11	258.271		
3,100.00	2,999.16	4,042.66	4,025.02	16.75	18.67	123.30	-1,857.78	-6,840.38	7,520.74	7,486.48	34.26	219.530		
3,200.00	3,094.84	4,102.00	4,083.69	17.33	18.98	123.44	-1,852.54	-6,833.19	7,523.31	7,488.22	35.09	214.411		
3,300.00	3,190.53	4,139.18	4,120.47	17.90	19.16	123.53	-1,849.13	-6,828.94	7,526.59	7,490.77	35.82	210.114		
3,400.00	3,286.22	4,197.00	4,177.73	18.48	19.45	123.67	-1,843.89	-6,822.87	7,530.79	7,494.15	36.64	205.509		
3,500.00	3,381.90	4,197.00	4,177.73	19.06	19.45	123.67	-1,843.89	-6,822.87	7,535.76	7,498.55	37.21	202.529		
3,600.00	3,477.59	4,245.77	4,226.10	19.64	19.69	123.78	-1,839.62	-6,818.31	7,541.59	7,503.61	37.99	198.535		
3,700.00	3,573.28	4,292.00	4,272.01	20.22	19.92	123.89	-1,835.79	-6,814.51	7,548.42	7,509.67	38.75	194.792		
3,800.00	3,668.96	4,328.20	4,307.99	20.80	20.09	123.98	-1,832.83	-6,811.78	7,556.02	7,516.55	39.47	191.447		
3,900.00	3,764.65	4,389.66	4,369.07	21.38	20.38	124.12	-1,827.68	-6,807.39	7,564.23	7,523.94	40.30	187.707		
4,000.00	3,860.33	4,471.71	4,450.63	21.96	20.77	124.32	-1,820.71	-6,801.79	7,572.86	7,531.64	41.22	183.704		
4,100.00	3,956.02	4,612.41	4,590.44	22.54	21.45	124.65	-1,808.60	-6,791.55	7,581.06	7,538.64	42.42	178.712		
4,200.00	4,051.71	4,672.00	4,649.66	23.13	21.74	124.79	-1,803.49	-6,787.39	7,589.74	7,546.49	43.24	175.513		
4,300.00	4,147.39	4,767.00	4,744.10	23.71	22.19	125.01	-1,795.77	-6,780.65	7,598.54	7,554.31	44.23	171.803		
4,400.00	4,243.08	4,828.45	4,805.23	24.29	22.48	125.15	-1,791.14	-6,776.30	7,607.64	7,562.58	45.06	168.851		
4,500.00	4,338.77	4,889.73	4,866.23	24.88	22.77	125.29	-1,786.76	-6,772.46	7,617.54	7,571.66	45.88	166.034		
4,600.00	4,434.45	4,988.27	4,964.38	25.46	23.23	125.51	-1,780.76	-6,766.09	7,627.54	7,580.67	46.87	162.731		
4,700.00	4,530.14	5,053.00	5,028.92	26.04	23.53	125.64	-1,778.19	-6,761.94	7,637.94	7,590.24	47.70	160.111		
4,800.00	4,625.83	5,053.00	5,028.92	26.63	23.53	125.64	-1,778.19	-6,761.94	7,649.22	7,600.98	48.23	158.589		
4,900.00	4,721.51	5,097.91	5,073.75	27.21	23.72	125.72	-1,776.84	-6,759.53	7,661.23	7,612.26	48.96	156.470		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	5,148.00	5,123.78	27.80	23.94	125.82	-1,775.31	-6,757.85	7,674.58	7,624.86	49.71	154.374		
5,100.00	4,912.89	5,148.00	5,123.78	28.38	23.94	125.82	-1,775.31	-6,757.85	7,688.52	7,638.29	50.22	153.087		
5,200.00	5,008.57	5,198.10	5,173.84	28.97	24.16	125.92	-1,773.75	-6,756.79	7,703.49	7,652.52	50.97	151.150		
5,300.00	5,104.26	5,242.00	5,217.72	29.55	24.35	126.01	-1,772.33	-6,755.99	7,718.99	7,667.32	51.68	149.374		
5,400.00	5,199.94	5,275.33	5,251.03	30.14	24.48	126.07	-1,771.50	-6,755.61	7,735.30	7,682.98	52.32	147.845		
5,500.00	5,295.63	5,300.90	5,276.60	30.72	24.58	126.12	-1,771.22	-6,755.55	7,752.57	7,699.65	52.92	146.487		
5,600.00	5,391.32	5,337.00	5,312.70	31.31	24.72	126.18	-1,771.34	-6,755.82	7,770.80	7,717.23	53.57	145.055		
5,700.00	5,487.00	5,412.66	5,388.35	31.90	24.99	126.31	-1,772.18	-6,756.70	7,789.68	7,735.30	54.39	143.226		
5,800.00	5,582.69	5,536.58	5,512.26	32.48	25.45	126.52	-1,773.26	-6,757.79	7,808.39	7,752.96	55.43	140.877		
5,900.00	5,678.38	5,616.79	5,592.47	33.07	25.75	126.66	-1,773.88	-6,758.46	7,827.10	7,770.83	56.27	139.106		
6,000.00	5,774.06	5,688.38	5,664.05	33.65	26.01	126.78	-1,774.53	-6,759.21	7,846.09	7,789.02	57.07	137.490		
6,100.00	5,869.75	5,758.10	5,733.75	34.24	26.27	126.89	-1,775.26	-6,760.15	7,865.45	7,807.59	57.86	135.946		
6,200.00	5,965.44	5,831.65	5,807.30	34.83	26.54	127.02	-1,775.78	-6,761.42	7,885.18	7,826.52	58.66	134.410		
6,300.00	6,061.12	5,922.97	5,898.59	35.41	26.89	127.17	-1,776.55	-6,763.10	7,905.11	7,845.56	59.56	132.729		
6,400.00	6,156.81	6,009.56	5,985.17	36.00	27.21	127.31	-1,777.26	-6,764.77	7,925.18	7,864.75	60.43	131.149		
6,500.00	6,252.50	6,082.15	6,057.74	36.59	27.49	127.43	-1,777.77	-6,766.32	7,945.51	7,884.27	61.23	129.759		
6,600.00	6,348.18	6,245.09	6,220.65	37.18	28.11	127.70	-1,779.19	-6,769.01	7,965.30	7,902.82	62.48	127.492		
6,636.04	6,382.67	6,268.76	6,244.32	37.39	28.20	127.74	-1,779.34	-6,769.36	7,972.44	7,909.69	62.76	127.041		
6,650.00	6,396.05	6,277.94	6,253.50	37.47	28.23	124.48	-1,779.39	-6,769.51	7,975.07	7,912.21	62.86	126.867		
6,700.00	6,444.38	6,311.05	6,286.60	37.74	28.36	109.98	-1,779.53	-6,770.08	7,982.09	7,918.85	63.24	126.228		
6,750.00	6,493.07	6,343.06	6,318.61	37.98	28.48	91.40	-1,779.78	-6,770.69	7,985.32	7,921.74	63.58	125.590		
6,800.00	6,541.82	6,363.04	6,338.58	38.18	28.56	71.80	-1,780.21	-6,771.11	7,984.78	7,920.94	63.84	125.073		
6,850.00	6,590.35	6,384.00	6,359.51	38.35	28.64	55.25	-1,781.12	-6,771.62	7,980.54	7,916.47	64.07	124.555		
6,900.00	6,638.34	6,384.00	6,359.51	38.50	28.64	43.06	-1,781.12	-6,771.62	7,972.63	7,908.46	64.17	124.243		
6,950.00	6,685.50	6,401.13	6,376.59	38.64	28.70	34.49	-1,782.24	-6,772.14	7,961.09	7,896.77	64.32	123.769		
7,000.00	6,731.54	6,415.00	6,390.40	38.77	28.75	23.89	-1,783.41	-6,772.64	7,946.02	7,881.58	64.44	123.318		
7,050.00	6,776.18	6,715.72	6,682.31	38.90	29.70	23.84	-1,851.16	-6,776.68	7,926.86	7,861.04	65.81	120.447		
7,100.00	6,819.14	6,752.88	6,716.40	39.03	29.80	20.37	-1,865.94	-6,776.15	7,903.20	7,837.22	65.98	119.773		
7,150.00	6,860.16	6,774.45	6,735.73	39.16	29.86	17.65	-1,875.51	-6,775.81	7,876.25	7,810.17	66.08	119.197		
7,200.00	6,898.98	6,796.00	6,754.70	39.31	29.91	15.42	-1,885.73	-6,775.50	7,846.22	7,780.06	66.16	118.599		
7,250.00	6,935.36	6,796.00	6,754.70	39.47	29.91	13.60	-1,885.73	-6,775.50	7,813.27	7,747.13	66.14	118.135		
7,300.00	6,969.08	6,796.00	6,754.70	39.65	29.91	12.02	-1,885.73	-6,775.50	7,777.64	7,711.53	66.11	117.646		
7,350.00	6,999.94	6,814.22	6,770.46	39.85	29.95	10.49	-1,884.85	-6,775.32	7,739.42	7,673.26	66.15	116.993		
7,400.00	7,027.74	6,828.00	6,782.23	40.08	29.98	9.02	-1,902.04	-6,775.26	7,698.95	7,632.77	66.17	116.345		
7,450.00	7,052.31	6,828.00	6,782.23	40.34	29.98	7.58	-1,902.04	-6,775.26	7,656.36	7,590.22	66.13	115.769		
7,500.00	7,073.49	6,828.00	6,782.23	40.63	29.98	5.96	-1,902.04	-6,775.26	7,611.93	7,545.83	66.10	115.164		
7,550.00	7,091.17	6,828.00	6,782.23	40.95	29.98	3.97	-1,902.04	-6,775.26	7,565.91	7,499.85	66.06	114.530		
7,600.00	7,105.22	6,828.00	6,782.23	41.31	29.98	1.21	-1,902.04	-6,775.26	7,518.55	7,452.52	66.03	113.867		
7,650.00	7,115.57	6,828.00	6,782.23	41.71	29.98	-3.24	-1,902.04	-6,775.26	7,470.13	7,404.13	66.00	113.177		
7,700.00	7,122.15	6,828.00	6,782.23	42.15	29.98	-12.16	-1,902.04	-6,775.26	7,420.92	7,354.94	65.99	112.460		
7,750.00	7,124.91	6,828.00	6,782.23	42.62	29.98	-37.22	-1,902.04	-6,775.26	7,371.22	7,305.24	65.98	111.718		
7,759.54	7,125.00	6,828.00	6,782.23	42.72	29.98	-46.71	-1,902.04	-6,775.26	7,361.71	7,295.73	65.98	111.572		
7,800.00	7,125.10	6,828.00	6,782.23	43.13	29.98	-46.71	-1,902.04	-6,775.26	7,321.35	7,255.37	65.98	110.960		
7,900.00	7,125.34	6,828.00	6,782.23	44.28	29.98	-46.71	-1,902.04	-6,775.26	7,221.60	7,155.61	65.98	109.446		
8,000.00	7,125.58	6,828.00	6,782.23	45.61	29.98	-46.71	-1,902.04	-6,775.26	7,121.85	7,055.86	65.99	107.928		
8,100.00	7,125.82	6,828.00	6,782.23	47.10	29.98	-46.71	-1,902.04	-6,775.26	7,022.11	6,956.12	65.99	106.408		
8,200.00	7,126.06	6,828.00	6,782.23	48.72	29.98	-46.71	-1,902.04	-6,775.26	6,922.38	6,856.38	66.00	104.884		
8,300.00	7,126.30	6,828.00	6,782.23	50.48	29.98	-46.71	-1,902.04	-6,775.26	6,822.66	6,756.65	66.01	103.358		
8,400.00	7,126.54	6,828.00	6,782.23	52.34	29.98	-46.71	-1,902.04	-6,775.26	6,722.94	6,656.92	66.02	101.830		
8,500.00	7,126.78	6,828.00	6,782.23	54.30	29.98	-46.71	-1,902.04	-6,775.26	6,623.24	6,557.20	66.04	100.298		
8,600.00	7,127.02	6,840.14	6,792.46	56.35	30.01	-48.05	-1,908.57	-6,775.27	6,523.48	6,457.36	66.12	98.668		
8,700.00	7,127.26	6,840.38	6,792.66	58.47	30.01	-48.08	-1,908.70	-6,775.28	6,423.79	6,357.65	66.14	97.128		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	6,840.61	6,792.85	60.66	30.01	-48.11	-1,908.83	-6,775.28	6,324.11	6,257.95	66.16	95.586		
8,900.00	7,127.74	6,840.85	6,793.06	62.90	30.01	-48.13	-1,908.96	-6,775.28	6,224.44	6,158.25	66.19	94.041		
9,000.00	7,127.98	6,841.10	6,793.26	65.19	30.01	-48.16	-1,909.10	-6,775.28	6,124.78	6,058.56	66.22	92.493		
9,100.00	7,128.22	6,841.35	6,793.47	67.53	30.01	-48.19	-1,909.23	-6,775.28	6,025.13	5,958.88	66.25	90.942		
9,200.00	7,128.46	6,841.61	6,793.69	69.92	30.01	-48.22	-1,909.38	-6,775.28	5,925.49	5,859.20	66.29	89.388		
9,300.00	7,128.70	6,841.87	6,793.91	72.33	30.01	-48.25	-1,909.52	-6,775.28	5,825.87	5,759.54	66.33	87.831		
9,400.00	7,128.94	6,842.14	6,794.13	74.78	30.01	-48.28	-1,909.67	-6,775.28	5,726.26	5,659.88	66.37	86.272		
9,500.00	7,129.18	6,842.42	6,794.36	77.26	30.01	-48.31	-1,909.82	-6,775.29	5,626.66	5,560.23	66.42	84.709		
9,600.00	7,129.42	6,842.70	6,794.60	79.76	30.01	-48.34	-1,909.97	-6,775.29	5,527.07	5,460.60	66.48	83.143		
9,700.00	7,129.66	6,842.99	6,794.84	82.29	30.02	-48.37	-1,910.13	-6,775.29	5,427.51	5,360.97	66.53	81.574		
9,800.00	7,129.90	6,843.28	6,795.08	84.84	30.02	-48.40	-1,910.29	-6,775.29	5,327.95	5,261.36	66.60	80.002		
9,900.00	7,130.14	6,843.58	6,795.33	87.41	30.02	-48.44	-1,910.46	-6,775.29	5,228.42	5,161.75	66.67	78.427		
10,000.00	7,130.38	6,843.89	6,795.59	90.00	30.02	-48.47	-1,910.63	-6,775.30	5,128.90	5,062.16	66.74	76.849		
10,100.00	7,130.62	6,844.20	6,795.85	92.60	30.02	-48.51	-1,910.80	-6,775.30	5,029.40	4,962.58	66.82	75.267		
10,200.00	7,130.86	6,844.52	6,796.12	95.22	30.02	-48.54	-1,910.98	-6,775.30	4,929.93	4,863.02	66.91	73.682		
10,300.00	7,131.09	6,844.85	6,796.40	97.85	30.02	-48.58	-1,911.16	-6,775.30	4,830.47	4,763.47	67.00	72.094		
10,400.00	7,131.33	6,845.19	6,796.68	100.50	30.02	-48.62	-1,911.35	-6,775.30	4,731.04	4,663.93	67.11	70.502		
10,500.00	7,131.57	6,845.54	6,796.97	103.16	30.02	-48.66	-1,911.54	-6,775.31	4,631.63	4,564.41	67.22	68.906		
10,600.00	7,131.81	6,845.89	6,797.26	105.82	30.02	-48.70	-1,911.74	-6,775.31	4,532.24	4,464.91	67.34	67.307		
10,700.00	7,132.05	6,846.26	6,797.56	108.50	30.02	-48.74	-1,911.94	-6,775.31	4,432.89	4,365.42	67.47	65.704		
10,800.00	7,132.29	6,846.63	6,797.88	111.19	30.02	-48.78	-1,912.15	-6,775.31	4,333.56	4,265.95	67.61	64.097		
10,900.00	7,132.53	6,847.01	6,798.19	113.88	30.02	-48.82	-1,912.36	-6,775.32	4,234.27	4,166.50	67.76	62.486		
11,000.00	7,132.77	6,847.41	6,798.52	116.58	30.02	-48.86	-1,912.58	-6,775.32	4,135.01	4,067.08	67.93	60.870		
11,100.00	7,133.01	6,847.81	6,798.86	119.29	30.03	-48.91	-1,912.80	-6,775.32	4,035.78	3,967.67	68.11	59.251		
11,200.00	7,133.25	6,848.23	6,799.20	122.01	30.03	-48.96	-1,913.03	-6,775.33	3,936.60	3,868.29	68.31	57.627		
11,300.00	7,133.49	6,850.00	6,808.09	124.73	30.05	-50.17	-1,919.12	-6,775.45	3,837.51	3,768.85	68.66	55.889		
11,400.00	7,133.73	6,850.00	6,808.09	127.46	30.05	-50.17	-1,919.12	-6,775.45	3,738.41	3,669.51	68.90	54.259		
11,500.00	7,133.97	6,850.00	6,808.09	130.19	30.05	-50.17	-1,919.12	-6,775.45	3,639.35	3,570.20	69.16	52.624		
11,600.00	7,134.21	6,850.00	6,808.09	132.93	30.05	-50.17	-1,919.12	-6,775.45	3,540.36	3,470.92	69.44	50.985		
11,700.00	7,134.45	6,850.00	6,808.09	135.68	30.05	-50.17	-1,919.12	-6,775.45	3,441.41	3,371.67	69.75	49.340		
11,800.00	7,134.69	6,850.00	6,808.09	138.43	30.05	-50.17	-1,919.12	-6,775.45	3,342.54	3,272.45	70.09	47.692		
11,900.00	7,134.93	6,850.00	6,808.09	141.18	30.05	-50.17	-1,919.12	-6,775.45	3,243.73	3,173.27	70.46	46.038		
12,000.00	7,135.17	6,850.00	6,808.09	143.94	30.05	-50.17	-1,919.12	-6,775.45	3,144.99	3,074.13	70.87	44.380		
12,100.00	7,135.41	6,850.00	6,808.09	146.70	30.05	-50.17	-1,919.12	-6,775.45	3,046.34	2,975.03	71.31	42.717		
12,200.00	7,135.65	6,850.00	6,808.09	149.46	30.05	-50.17	-1,919.12	-6,775.45	2,947.78	2,875.97	71.81	41.050		
12,300.00	7,135.89	6,850.00	6,808.09	152.23	30.05	-50.17	-1,919.12	-6,775.45	2,849.32	2,776.96	72.36	39.379		
12,400.00	7,136.13	6,850.00	6,808.09	155.00	30.05	-50.17	-1,919.12	-6,775.45	2,750.97	2,678.01	72.96	37.703		
12,500.00	7,136.37	6,850.00	6,808.09	157.78	30.05	-50.17	-1,919.12	-6,775.45	2,652.75	2,579.11	73.64	36.025		
12,600.00	7,136.61	6,850.00	6,808.09	160.55	30.05	-50.17	-1,919.12	-6,775.45	2,554.66	2,480.27	74.39	34.343		
12,700.00	7,136.85	6,850.00	6,808.09	163.33	30.05	-50.17	-1,919.12	-6,775.45	2,456.72	2,381.50	75.22	32.660		
12,800.00	7,137.09	6,850.00	6,808.09	166.12	30.05	-50.17	-1,919.12	-6,775.45	2,358.96	2,282.81	76.16	30.976		
12,900.00	7,137.33	6,850.00	6,808.09	168.90	30.05	-50.17	-1,919.12	-6,775.45	2,261.40	2,184.20	77.20	29.292		
13,000.00	7,137.57	6,850.00	6,808.09	171.69	30.05	-50.17	-1,919.12	-6,775.45	2,164.06	2,085.68	78.38	27.610		
13,100.00	7,137.81	6,850.00	6,808.09	174.48	30.05	-50.17	-1,919.12	-6,775.45	2,066.97	1,987.26	79.71	25.932		
13,200.00	7,138.05	6,850.00	6,808.09	177.27	30.05	-50.17	-1,919.12	-6,775.45	1,970.17	1,888.97	81.21	24.261		
13,300.00	7,138.29	6,850.00	6,808.09	180.07	30.05	-50.17	-1,919.12	-6,775.45	1,873.71	1,790.80	82.91	22.600		
13,400.00	7,138.53	6,850.00	6,808.09	182.86	30.05	-50.17	-1,919.12	-6,775.45	1,777.64	1,692.80	84.84	20.952		
13,500.00	7,138.77	6,864.01	6,812.19	185.66	30.06	-50.73	-1,922.00	-6,775.52	1,682.02	1,594.69	87.33	19.261		
13,600.00	7,139.01	6,865.26	6,813.21	188.46	30.06	-50.87	-1,922.72	-6,775.54	1,586.94	1,496.98	89.96	17.640		
13,700.00	7,139.25	6,866.51	6,814.22	191.26	30.06	-51.01	-1,923.45	-6,775.56	1,492.50	1,399.51	92.99	16.049		
13,800.00	7,139.49	6,867.75	6,815.23	194.06	30.07	-51.15	-1,924.17	-6,775.57	1,398.84	1,302.34	96.50	14.496		
13,900.00	7,139.73	6,868.99	6,816.24	196.87	30.07	-51.29	-1,924.90	-6,775.59	1,306.11	1,205.54	100.57	12.987		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	6,870.23	6,817.25	199.68	30.07	-51.43	-1,925.62	-6,775.61	1,214.53	1,109.23	105.31	11.533		
14,100.00	7,140.21	6,871.46	6,818.25	202.48	30.07	-51.57	-1,926.34	-6,775.62	1,124.39	1,013.54	110.85	10.144		
14,200.00	7,140.45	6,872.70	6,819.24	205.29	30.07	-51.71	-1,927.07	-6,775.64	1,036.06	918.70	117.35	8.829		
14,300.00	7,140.69	6,873.92	6,820.23	208.10	30.08	-51.85	-1,927.79	-6,775.66	950.03	825.04	125.00	7.601		
14,400.00	7,140.93	6,875.14	6,821.22	210.91	30.08	-51.99	-1,928.52	-6,775.67	867.01	733.03	133.98	6.471		
14,500.00	7,141.17	6,876.36	6,822.20	213.73	30.08	-52.13	-1,929.24	-6,775.69	787.95	643.46	144.48	5.454		
14,600.00	7,141.41	6,877.58	6,823.18	216.54	30.08	-52.27	-1,929.96	-6,775.71	714.14	557.53	156.61	4.560		
14,700.00	7,141.65	6,878.79	6,824.15	219.36	30.09	-52.40	-1,930.68	-6,775.72	647.40	477.17	170.23	3.803		
14,800.00	7,141.89	6,880.00	6,825.12	222.17	30.09	-52.54	-1,931.40	-6,775.74	590.13	405.38	184.75	3.194		
14,900.00	7,142.13	6,881.21	6,826.08	224.99	30.09	-52.68	-1,932.13	-6,775.76	545.33	346.49	198.84	2.743		
15,000.00	7,142.36	6,882.41	6,827.05	227.81	30.09	-52.81	-1,932.85	-6,775.77	516.23	305.94	210.29	2.455		
15,100.00	7,142.60	6,883.61	6,828.00	230.63	30.10	-52.95	-1,933.57	-6,775.79	505.58	288.93	216.65	2.334		
15,104.45	7,142.62	6,883.66	6,828.04	230.75	30.10	-52.95	-1,933.60	-6,775.79	505.56	288.77	216.79	2.332 CC, ES, SF		
15,200.00	7,142.84	6,884.80	6,828.95	233.45	30.10	-53.08	-1,934.29	-6,775.80	514.51	298.02	216.49	2.377		
15,300.00	7,143.08	6,891.00	6,833.88	236.27	30.11	-53.79	-1,938.06	-6,775.88	542.09	330.50	211.59	2.562		
15,400.00	7,143.32	6,891.00	6,833.88	239.09	30.11	-53.79	-1,938.06	-6,775.88	585.62	384.42	201.20	2.911		
15,500.00	7,143.56	6,891.00	6,833.88	241.91	30.11	-53.79	-1,938.06	-6,775.88	641.89	452.68	189.21	3.392		
15,600.00	7,143.80	6,891.00	6,833.88	244.73	30.11	-53.79	-1,938.06	-6,775.88	707.89	530.64	177.25	3.994		
15,700.00	7,144.04	6,891.00	6,833.88	247.56	30.11	-53.79	-1,938.06	-6,775.88	781.14	614.98	166.16	4.701		
15,800.00	7,144.28	6,891.00	6,833.88	250.38	30.11	-53.79	-1,938.06	-6,775.88	859.80	703.52	156.28	5.502		
15,900.00	7,144.52	6,891.00	6,833.88	253.21	30.11	-53.79	-1,938.06	-6,775.88	942.52	794.88	147.64	6.384		
16,000.00	7,144.76	6,891.00	6,833.88	256.03	30.11	-53.79	-1,938.06	-6,775.88	1,028.31	888.15	140.16	7.337		
16,100.00	7,145.00	6,891.00	6,833.88	258.86	30.11	-53.79	-1,938.06	-6,775.88	1,116.47	982.78	133.68	8.352		
16,200.00	7,145.24	6,891.00	6,833.88	261.69	30.11	-53.79	-1,938.06	-6,775.88	1,206.47	1,078.39	128.08	9.419		
16,300.00	7,145.48	6,891.00	6,833.88	264.52	30.11	-53.79	-1,938.06	-6,775.88	1,297.94	1,174.72	123.22	10.533		
16,400.00	7,145.72	6,891.00	6,833.88	267.35	30.11	-53.79	-1,938.06	-6,775.88	1,390.59	1,271.60	118.99	11.687		
16,500.00	7,145.96	6,891.00	6,833.88	270.18	30.11	-53.79	-1,938.06	-6,775.88	1,484.19	1,368.91	115.28	12.874		
16,600.00	7,146.20	6,891.00	6,833.88	273.01	30.11	-53.79	-1,938.06	-6,775.88	1,578.57	1,466.55	112.03	14.091		
16,700.00	7,146.44	6,899.48	6,840.55	275.84	30.13	-54.75	-1,943.29	-6,775.98	1,673.56	1,563.79	109.76	15.247		
16,800.00	7,146.68	6,900.23	6,841.13	278.67	30.13	-54.83	-1,943.76	-6,775.99	1,769.14	1,661.90	107.23	16.498		
16,900.00	7,146.92	6,900.96	6,841.70	281.50	30.13	-54.91	-1,944.21	-6,776.00	1,865.18	1,760.20	104.98	17.767		
17,000.00	7,147.16	6,901.67	6,842.26	284.33	30.13	-54.99	-1,944.66	-6,776.00	1,961.61	1,858.65	102.97	19.051		
17,100.00	7,147.40	6,902.36	6,842.80	287.16	30.13	-55.07	-1,945.09	-6,776.01	2,058.39	1,957.23	101.16	20.348		
17,200.00	7,147.64	6,903.04	6,843.32	290.00	30.13	-55.15	-1,945.52	-6,776.02	2,155.46	2,055.92	99.54	21.655		
17,300.00	7,147.88	6,903.70	6,843.83	292.83	30.13	-55.22	-1,945.93	-6,776.02	2,252.78	2,154.71	98.07	22.971		
17,400.00	7,148.12	6,904.34	6,844.33	295.66	30.13	-55.29	-1,946.34	-6,776.03	2,350.33	2,253.59	96.74	24.294		
17,500.00	7,148.36	6,904.97	6,844.82	298.50	30.14	-55.37	-1,946.73	-6,776.03	2,448.08	2,352.54	95.54	25.623		
17,600.00	7,148.60	6,905.58	6,845.30	301.33	30.14	-55.43	-1,947.12	-6,776.04	2,546.00	2,451.55	94.45	26.957		
17,700.00	7,148.84	6,906.18	6,845.76	304.17	30.14	-55.50	-1,947.50	-6,776.04	2,644.08	2,550.63	93.45	28.294		
17,800.00	7,149.08	6,906.77	6,846.22	307.00	30.14	-55.57	-1,947.87	-6,776.05	2,742.29	2,649.75	92.54	29.634		
17,900.00	7,149.32	6,907.34	6,846.66	309.84	30.14	-55.63	-1,948.24	-6,776.05	2,840.63	2,748.93	91.70	30.976		
18,000.00	7,149.56	6,907.90	6,847.09	312.68	30.14	-55.70	-1,948.59	-6,776.06	2,939.08	2,848.14	90.94	32.319		
18,100.00	7,149.80	6,908.45	6,847.51	315.51	30.14	-55.76	-1,948.94	-6,776.06	3,037.63	2,947.40	90.24	33.663		
18,200.00	7,150.04	6,908.98	6,847.93	318.35	30.14	-55.82	-1,949.28	-6,776.07	3,136.28	3,046.68	89.59	35.007		
18,300.00	7,150.28	6,909.50	6,848.33	321.19	30.14	-55.88	-1,949.61	-6,776.07	3,235.00	3,146.01	89.00	36.350		
18,400.00	7,150.52	6,910.02	6,848.72	324.03	30.14	-55.93	-1,949.94	-6,776.07	3,333.80	3,245.36	88.45	37.692		
18,500.00	7,150.76	6,910.52	6,849.11	326.86	30.15	-55.99	-1,950.26	-6,776.08	3,432.67	3,344.73	87.94	39.033		
18,600.00	7,151.00	6,911.01	6,849.49	329.70	30.15	-56.05	-1,950.57	-6,776.08	3,531.61	3,444.13	87.48	40.372		
18,700.00	7,151.24	6,911.49	6,849.86	332.54	30.15	-56.10	-1,950.88	-6,776.08	3,630.60	3,543.56	87.04	41.710		
18,800.00	7,151.48	6,911.96	6,850.22	335.38	30.15	-56.15	-1,951.18	-6,776.08	3,729.65	3,643.00	86.64	43.045		
18,900.00	7,151.72	6,912.42	6,850.57	338.22	30.15	-56.20	-1,951.48	-6,776.09	3,828.74	3,742.47	86.28	44.378		
19,000.00	7,151.96	6,912.87	6,850.92	341.06	30.15	-56.26	-1,951.77	-6,776.09	3,927.89	3,841.95	85.93	45.709		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH														
Reference		Offset		Semi Major Axis		Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
19,018.30	7,152.00	6,912.96	6,850.98	341.58	30.15	-56.26	-1,951.82	-6,776.09	3,946.03	3,860.16	85.87	45.952		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.02	-2,062.78	-5,662.56	6,026.58					
100.00	100.00	85.00	85.00	3.28	3.29	-110.02	-2,062.78	-5,662.56	6,026.58	6,020.01	6.57	917.288		
200.00	200.00	185.00	185.00	3.34	3.31	-110.02	-2,062.78	-5,662.56	6,026.58	6,019.94	6.64	907.335		
300.00	299.98	284.98	284.98	3.44	3.34	-112.74	-2,062.78	-5,662.56	6,027.26	6,020.48	6.78	889.063		
400.00	399.84	384.84	384.84	3.59	3.39	112.75	-2,062.78	-5,662.56	6,029.28	6,022.30	6.98	863.995		
500.00	499.45	484.45	484.45	3.80	3.45	112.76	-2,062.78	-5,662.56	6,032.66	6,025.42	7.24	833.328		
600.00	598.70	583.70	583.70	4.04	3.52	112.78	-2,062.78	-5,662.56	6,037.41	6,029.85	7.56	798.907		
700.00	697.47	682.47	682.47	4.32	3.61	112.80	-2,062.78	-5,662.56	6,043.53	6,035.61	7.93	762.347		
800.00	795.62	780.62	780.62	4.65	3.70	112.82	-2,062.78	-5,662.56	6,051.05	6,042.70	8.35	724.934		
900.00	893.06	878.06	878.06	5.01	3.80	112.85	-2,062.78	-5,662.56	6,059.98	6,051.16	8.81	687.619		
1,000.00	989.64	974.64	974.64	5.42	3.92	112.88	-2,062.78	-5,662.56	6,070.33	6,061.01	9.32	651.063		
1,044.50	1,032.32	1,017.32	1,017.32	5.61	3.97	112.89	-2,062.78	-5,662.56	6,075.41	6,065.84	9.56	635.176		
1,100.00	1,085.43	1,070.43	1,070.43	5.86	4.03	113.02	-2,062.78	-5,662.56	6,081.93	6,072.06	9.87	615.904		
1,200.00	1,181.11	1,166.11	1,166.11	6.33	4.16	113.27	-2,062.78	-5,662.56	6,093.79	6,083.33	10.46	582.775		
1,300.00	1,276.80	1,261.80	1,261.80	6.81	4.29	113.51	-2,062.78	-5,662.56	6,105.75	6,094.69	11.06	551.917		
1,400.00	1,372.49	1,266.99	1,266.99	7.31	4.39	113.53	-2,062.36	-5,663.22	6,119.00	6,107.35	11.65	525.339		
1,500.00	1,468.17	1,300.00	1,299.98	7.83	4.49	113.62	-2,061.84	-5,664.03	6,133.05	6,120.81	12.24	501.139		
1,600.00	1,563.86	1,347.07	1,347.01	8.35	4.63	113.75	-2,060.74	-5,665.74	6,148.06	6,135.18	12.88	477.263		
1,700.00	1,659.55	1,400.00	1,399.84	8.88	4.80	113.90	-2,059.01	-5,668.43	6,164.10	6,150.54	13.55	454.763		
1,800.00	1,755.23	1,425.61	1,425.37	9.42	4.88	113.98	-2,057.98	-5,670.03	6,181.05	6,166.90	14.15	436.940		
1,900.00	1,850.92	1,464.28	1,463.90	9.97	5.01	114.10	-2,056.20	-5,672.81	6,199.01	6,184.23	14.79	419.259		
2,000.00	1,946.61	1,500.00	1,499.45	10.52	5.13	114.21	-2,054.30	-5,675.77	6,217.96	6,202.54	15.42	403.277		
2,100.00	2,042.29	1,540.37	1,539.57	11.07	5.27	114.34	-2,051.87	-5,679.55	6,237.89	6,221.82	16.07	388.102		
2,200.00	2,137.98	1,580.11	1,578.99	11.63	5.42	114.48	-2,049.17	-5,683.74	6,258.81	6,242.08	16.73	374.173		
2,300.00	2,233.67	1,671.29	1,669.39	12.19	5.76	114.78	-2,042.72	-5,693.79	6,280.28	6,262.69	17.59	357.053		
2,400.00	2,329.35	1,762.47	1,759.78	12.76	6.12	115.09	-2,036.26	-5,703.83	6,301.94	6,283.48	18.46	341.299		
2,500.00	2,425.04	1,853.65	1,850.18	13.32	6.50	115.39	-2,029.81	-5,713.88	6,323.80	6,304.45	19.35	326.738		
2,600.00	2,520.72	1,944.83	1,940.57	13.89	6.89	115.69	-2,023.36	-5,723.92	6,345.85	6,325.60	20.25	313.309		
2,700.00	2,616.41	2,036.01	2,030.97	14.46	7.28	115.99	-2,016.90	-5,733.97	6,368.09	6,346.92	21.16	300.907		
2,800.00	2,712.10	2,127.19	2,121.36	15.03	7.69	116.28	-2,010.45	-5,744.01	6,390.51	6,368.43	22.08	289.440		
2,900.00	2,807.78	2,218.37	2,211.76	15.60	8.10	116.58	-2,004.00	-5,754.06	6,413.12	6,390.12	23.00	278.821		
3,000.00	2,903.47	2,309.55	2,302.15	16.18	8.52	116.87	-1,997.54	-5,764.10	6,435.91	6,411.98	23.93	268.972		
3,100.00	2,999.16	2,400.73	2,392.55	16.75	8.94	117.16	-1,991.09	-5,774.15	6,458.88	6,434.02	24.86	259.822		
3,200.00	3,094.84	2,508.09	2,482.94	17.33	9.44	117.45	-1,984.63	-5,784.19	6,482.03	6,456.16	25.86	250.611		
3,300.00	3,190.53	2,583.09	2,573.34	17.90	9.80	117.74	-1,978.18	-5,794.23	6,505.36	6,478.62	26.73	243.365		
3,400.00	3,286.22	2,674.27	2,663.73	18.48	10.23	118.03	-1,971.73	-5,804.28	6,528.86	6,501.19	27.67	235.949		
3,500.00	3,381.90	2,765.45	2,754.13	19.06	10.67	118.31	-1,965.27	-5,814.32	6,552.53	6,523.92	28.61	229.011		
3,600.00	3,477.59	2,856.63	2,844.52	19.64	11.11	118.59	-1,958.82	-5,824.37	6,576.38	6,546.82	29.56	222.510		
3,700.00	3,573.28	2,947.81	2,934.92	20.22	11.55	118.87	-1,952.36	-5,834.41	6,600.39	6,569.89	30.50	216.408		
3,800.00	3,668.96	3,038.99	3,025.31	20.80	12.00	119.15	-1,945.91	-5,844.46	6,624.57	6,593.13	31.45	210.671		
3,900.00	3,764.65	3,130.17	3,115.71	21.38	12.44	119.43	-1,939.46	-5,854.50	6,648.92	6,616.53	32.39	205.270		
4,000.00	3,860.33	3,221.35	3,206.10	21.96	12.89	119.70	-1,933.00	-5,864.55	6,673.43	6,640.10	33.34	200.177		
4,100.00	3,956.02	3,312.53	3,296.50	22.54	13.34	119.98	-1,926.55	-5,874.59	6,698.11	6,663.82	34.28	195.368		
4,200.00	4,051.71	3,403.71	3,386.89	23.13	13.79	120.25	-1,920.09	-5,884.63	6,722.94	6,687.71	35.23	190.821		
4,300.00	4,147.39	3,494.89	3,477.29	23.71	14.24	120.52	-1,913.64	-5,894.68	6,747.94	6,711.76	36.18	186.517		
4,400.00	4,243.08	3,586.07	3,567.68	24.29	14.69	120.78	-1,907.19	-5,904.72	6,773.08	6,735.96	37.13	182.436		
4,500.00	4,338.77	3,677.25	3,658.08	24.88	15.15	121.05	-1,900.73	-5,914.77	6,798.39	6,760.32	38.07	178.564		
4,600.00	4,434.45	3,768.43	3,748.47	25.46	15.60	121.31	-1,894.28	-5,924.81	6,823.85	6,784.83	39.02	174.884		
4,700.00	4,530.14	3,859.61	3,838.87	26.04	16.06	121.58	-1,887.82	-5,934.86	6,849.46	6,809.49	39.97	171.384		
4,800.00	4,625.83	3,950.79	3,929.26	26.63	16.51	121.84	-1,881.37	-5,944.90	6,875.22	6,834.30	40.91	168.051		
4,900.00	4,721.51	4,041.97	4,019.66	27.21	16.97	122.10	-1,874.92	-5,954.95	6,901.12	6,859.27	41.86	164.875		
5,000.00	4,817.20	4,133.15	4,110.05	27.80	17.43	122.35	-1,868.46	-5,964.99	6,927.18	6,884.38	42.80	161.844		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,224.33	4,200.45	28.38	17.89	122.61	-1,862.01	-5,975.04	6,953.38	6,909.63	43.75	158.949		
5,200.00	5,008.57	4,315.51	4,290.84	28.97	18.34	122.86	-1,855.55	-5,985.08	6,979.72	6,935.03	44.69	156.182		
5,300.00	5,104.26	4,406.69	4,381.24	29.55	18.80	123.12	-1,849.10	-5,995.12	7,006.20	6,960.57	45.63	153.534		
5,400.00	5,199.94	4,497.87	4,471.63	30.14	19.26	123.37	-1,842.65	-6,005.17	7,032.83	6,986.25	46.58	150.999		
5,500.00	5,295.63	4,589.05	4,562.03	30.72	19.72	123.61	-1,836.19	-6,015.21	7,059.59	7,012.07	47.52	148.570		
5,600.00	5,391.32	4,680.23	4,652.42	31.31	20.18	123.86	-1,829.74	-6,025.26	7,086.49	7,038.03	48.46	146.240		
5,700.00	5,487.00	4,771.41	4,742.82	31.90	20.65	124.11	-1,823.28	-6,035.30	7,113.52	7,064.12	49.40	144.003		
5,800.00	5,582.69	4,862.59	4,833.21	32.48	21.11	124.35	-1,816.83	-6,045.35	7,140.69	7,090.35	50.34	141.855		
5,900.00	5,678.38	4,953.77	4,923.60	33.07	21.57	124.59	-1,810.38	-6,055.39	7,167.99	7,116.71	51.28	139.790		
6,000.00	5,774.06	5,044.95	5,014.43	33.65	22.03	124.83	-1,803.93	-6,065.43	7,195.29	7,144.43	52.22	137.722		
6,100.00	5,869.75	5,136.13	5,105.61	34.24	22.49	125.07	-1,797.47	-6,075.47	7,222.59	7,171.73	53.16	135.654		
6,200.00	5,965.44	5,227.31	5,196.79	34.83	22.95	125.31	-1,791.02	-6,085.51	7,249.89	7,198.97	54.10	133.586		
6,300.00	6,061.12	5,318.49	5,287.97	35.41	23.41	125.55	-1,784.57	-6,095.55	7,277.19	7,226.21	55.04	131.518		
6,400.00	6,156.81	5,409.67	5,379.15	36.00	23.87	125.79	-1,778.12	-6,105.59	7,304.49	7,253.51	55.98	129.450		
6,500.00	6,252.50	5,500.85	5,470.33	36.59	24.33	126.03	-1,771.67	-6,115.63	7,331.79	7,280.81	56.92	127.382		
6,600.00	6,348.18	5,592.03	5,561.51	37.18	24.79	126.27	-1,765.22	-6,125.67	7,359.09	7,308.11	57.86	125.314		
6,636.04	6,382.67	5,626.52	5,596.00	37.39	24.99	126.36	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,650.00	6,396.05	5,640.90	5,610.38	37.47	25.07	126.38	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,700.00	6,444.38	5,689.23	5,658.71	37.74	25.34	126.61	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,750.00	6,493.07	5,737.92	5,707.40	37.98	25.58	126.85	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,800.00	6,541.82	5,786.67	5,756.15	38.18	25.78	127.10	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,850.00	6,590.35	5,835.42	5,804.90	38.35	25.95	127.34	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,900.00	6,638.34	5,883.41	5,852.89	38.50	26.10	127.58	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
6,950.00	6,685.50	5,930.57	5,900.05	38.64	26.24	127.82	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,000.00	6,731.54	5,976.61	5,946.09	38.77	26.37	128.05	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,050.00	6,776.18	6,021.25	5,990.73	38.90	26.50	128.28	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,100.00	6,819.14	6,065.89	6,035.37	39.03	26.63	128.51	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,150.00	6,860.16	6,109.91	6,079.39	39.16	26.76	128.74	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,200.00	6,898.98	6,153.43	6,122.91	39.31	26.90	128.97	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,250.00	6,935.36	6,196.81	6,166.29	39.47	27.04	129.20	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,300.00	6,969.08	6,239.13	6,209.61	39.65	27.20	129.43	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,350.00	6,999.94	6,280.00	6,250.48	39.85	27.39	129.66	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,400.00	7,027.74	6,319.42	6,289.90	40.08	27.60	129.88	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,450.00	7,052.31	6,357.39	6,327.87	40.34	27.82	130.09	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,500.00	7,073.49	6,393.81	6,363.29	40.63	28.07	130.29	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,550.00	7,091.17	6,428.78	6,398.26	40.95	28.33	130.48	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,600.00	7,105.22	6,463.20	6,432.68	41.31	28.63	130.66	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,650.00	7,115.57	6,497.17	6,466.65	41.71	28.97	130.83	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,700.00	7,122.15	6,530.60	6,500.08	42.15	29.35	131.00	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,750.00	7,124.91	6,562.50	6,531.98	42.62	29.77	131.16	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,759.54	7,125.00	6,563.03	6,533.51	42.72	29.85	131.19	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,800.00	7,125.10	6,594.97	6,564.45	43.13	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
7,900.00	7,125.34	6,626.91	6,596.39	44.28	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,000.00	7,125.58	6,658.85	6,628.33	45.61	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,100.00	7,125.82	6,690.79	6,660.27	47.10	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,200.00	7,126.06	6,722.73	6,692.21	48.72	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,300.00	7,126.30	6,754.67	6,724.15	50.48	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,400.00	7,126.54	6,786.61	6,756.09	52.34	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,500.00	7,126.78	6,818.55	6,787.99	54.30	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,600.00	7,127.02	6,850.49	6,819.97	56.35	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,700.00	7,127.26	6,882.43	6,851.91	58.47	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		
8,800.00	7,127.50	6,914.37	6,883.85	60.66	29.95	131.26	-1,762.67	-6,128.12	7,366.54	7,315.56	58.00	124.978		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	6,900.00	6,841.60	62.90	29.09	-53.73	-1,910.88	-6,098.48	5,547.86	5,482.85	65.01	85.339		
9,000.00	7,127.98	6,900.00	6,841.60	65.19	29.09	-53.73	-1,910.88	-6,098.48	5,448.25	5,383.19	65.06	83.748		
9,100.00	7,128.22	6,900.00	6,841.60	67.53	29.09	-53.73	-1,910.88	-6,098.48	5,348.64	5,283.54	65.11	82.154		
9,200.00	7,128.46	6,900.00	6,841.60	69.92	29.09	-53.73	-1,910.88	-6,098.48	5,249.06	5,183.90	65.16	80.557		
9,300.00	7,128.70	6,900.00	6,841.60	72.33	29.09	-53.73	-1,910.88	-6,098.48	5,149.48	5,084.27	65.22	78.956		
9,400.00	7,128.94	6,900.00	6,841.60	74.78	29.09	-53.73	-1,910.88	-6,098.48	5,049.93	4,984.65	65.28	77.353		
9,500.00	7,129.18	6,900.00	6,841.60	77.26	29.09	-53.73	-1,910.88	-6,098.48	4,950.39	4,885.04	65.36	75.746		
9,600.00	7,129.42	6,900.00	6,841.60	79.76	29.09	-53.73	-1,910.88	-6,098.48	4,850.88	4,785.44	65.43	74.135		
9,700.00	7,129.66	6,900.00	6,841.60	82.29	29.09	-53.73	-1,910.88	-6,098.48	4,751.38	4,685.86	65.52	72.522		
9,800.00	7,129.90	6,900.00	6,841.60	84.84	29.09	-53.73	-1,910.88	-6,098.48	4,651.90	4,586.29	65.61	70.904		
9,900.00	7,130.14	6,900.00	6,841.60	87.41	29.09	-53.73	-1,910.88	-6,098.48	4,552.45	4,486.74	65.71	69.284		
10,000.00	7,130.38	6,900.00	6,841.60	90.00	29.09	-53.73	-1,910.88	-6,098.48	4,453.02	4,387.21	65.82	67.659		
10,100.00	7,130.62	6,900.00	6,841.60	92.60	29.09	-53.73	-1,910.88	-6,098.48	4,353.62	4,287.69	65.93	66.031		
10,200.00	7,130.86	6,900.00	6,841.60	95.22	29.09	-53.73	-1,910.88	-6,098.48	4,254.24	4,188.18	66.06	64.399		
10,300.00	7,131.09	6,900.00	6,841.60	97.85	29.09	-53.73	-1,910.88	-6,098.48	4,154.90	4,088.70	66.20	62.763		
10,400.00	7,131.33	6,900.00	6,841.60	100.50	29.09	-53.73	-1,910.88	-6,098.48	4,055.59	3,989.24	66.35	61.123		
10,500.00	7,131.57	6,900.00	6,841.60	103.16	29.09	-53.73	-1,910.88	-6,098.48	3,956.31	3,889.80	66.52	59.479		
10,600.00	7,131.81	6,900.00	6,841.60	105.82	29.09	-53.73	-1,910.88	-6,098.48	3,857.07	3,790.38	66.70	57.830		
10,700.00	7,132.05	6,900.00	6,841.60	108.50	29.09	-53.73	-1,910.88	-6,098.48	3,757.87	3,690.98	66.89	56.178		
10,800.00	7,132.29	6,900.00	6,841.60	111.19	29.09	-53.73	-1,910.88	-6,098.48	3,658.72	3,591.61	67.11	54.520		
10,900.00	7,132.53	6,900.00	6,841.60	113.88	29.09	-53.73	-1,910.88	-6,098.48	3,559.61	3,492.26	67.34	52.858		
11,000.00	7,132.77	6,900.00	6,841.60	116.58	29.09	-53.73	-1,910.88	-6,098.48	3,460.55	3,392.95	67.60	51.191		
11,100.00	7,133.01	6,900.00	6,841.60	119.29	29.09	-53.73	-1,910.88	-6,098.48	3,361.55	3,293.66	67.88	49.520		
11,200.00	7,133.25	6,900.00	6,841.60	122.01	29.09	-53.73	-1,910.88	-6,098.48	3,262.61	3,194.41	68.19	47.843		
11,300.00	7,133.49	6,900.00	6,841.60	124.73	29.09	-53.73	-1,910.88	-6,098.48	3,163.73	3,095.20	68.54	46.162		
11,400.00	7,133.73	6,900.00	6,841.60	127.46	29.09	-53.73	-1,910.88	-6,098.48	3,064.93	2,996.02	68.91	44.475		
11,500.00	7,133.97	6,900.00	6,841.60	130.19	29.09	-53.73	-1,910.88	-6,098.48	2,966.21	2,896.88	69.33	42.784		
11,600.00	7,134.21	6,900.00	6,841.60	132.93	29.09	-53.73	-1,910.88	-6,098.48	2,867.58	2,797.79	69.79	41.087		
11,700.00	7,134.45	6,900.00	6,841.60	135.68	29.09	-53.73	-1,910.88	-6,098.48	2,769.04	2,698.74	70.30	39.386		
11,800.00	7,134.69	6,900.00	6,841.60	138.43	29.09	-53.73	-1,910.88	-6,098.48	2,670.62	2,599.74	70.87	37.681		
11,900.00	7,134.93	6,900.00	6,841.60	141.18	29.09	-53.73	-1,910.88	-6,098.48	2,572.32	2,500.81	71.51	35.971		
12,000.00	7,135.17	6,900.00	6,841.60	143.94	29.09	-53.73	-1,910.88	-6,098.48	2,474.15	2,401.93	72.22	34.258		
12,100.00	7,135.41	6,900.00	6,841.60	146.70	29.09	-53.73	-1,910.88	-6,098.48	2,376.13	2,303.12	73.02	32.542		
12,200.00	7,135.65	6,900.00	6,841.60	149.46	29.09	-53.73	-1,910.88	-6,098.48	2,278.29	2,204.38	73.91	30.824		
12,300.00	7,135.89	6,900.00	6,841.60	152.23	29.09	-53.73	-1,910.88	-6,098.48	2,180.64	2,105.72	74.92	29.106		
12,400.00	7,136.13	6,900.00	6,841.60	155.00	29.09	-53.73	-1,910.88	-6,098.48	2,083.22	2,007.16	76.06	27.389		
12,500.00	7,136.37	6,900.00	6,841.60	157.78	29.09	-53.73	-1,910.88	-6,098.48	1,986.05	1,908.70	77.36	25.675		
12,600.00	7,136.61	6,900.00	6,841.60	160.55	29.09	-53.73	-1,910.88	-6,098.48	1,889.18	1,810.36	78.83	23.966		
12,700.00	7,136.85	6,900.00	6,841.60	163.33	29.09	-53.73	-1,910.88	-6,098.48	1,792.66	1,712.15	80.51	22.267		
12,800.00	7,137.09	6,900.00	6,841.60	166.12	29.09	-53.73	-1,910.88	-6,098.48	1,696.53	1,614.10	82.44	20.580		
12,900.00	7,137.33	6,900.00	6,841.60	168.90	29.09	-53.73	-1,910.88	-6,098.48	1,600.88	1,516.23	84.65	18.911		
13,000.00	7,137.57	6,900.00	6,841.60	171.69	29.09	-53.73	-1,910.88	-6,098.48	1,505.79	1,418.58	87.22	17.265		
13,100.00	7,137.81	6,900.00	6,841.60	174.48	29.09	-53.73	-1,910.88	-6,098.48	1,411.39	1,321.20	90.19	15.649		
13,200.00	7,138.05	6,900.00	6,841.60	177.27	29.09	-53.73	-1,910.88	-6,098.48	1,317.81	1,224.15	93.66	14.071		
13,300.00	7,138.29	6,900.00	6,841.60	180.07	29.09	-53.73	-1,910.88	-6,098.48	1,225.24	1,127.53	97.72	12.539		
13,400.00	7,138.53	6,900.00	6,841.60	182.86	29.09	-53.73	-1,910.88	-6,098.48	1,133.94	1,031.45	102.49	11.064		
13,500.00	7,138.77	6,900.00	6,841.60	185.66	29.09	-53.73	-1,910.88	-6,098.48	1,044.23	936.11	108.12	9.658		
13,600.00	7,139.01	6,900.00	6,841.60	188.46	29.09	-53.73	-1,910.88	-6,098.48	956.57	841.77	114.80	8.333		
13,700.00	7,139.25	6,900.00	6,841.60	191.26	29.09	-53.73	-1,910.88	-6,098.48	871.56	748.85	122.71	7.103		
13,800.00	7,139.49	6,900.00	6,841.60	194.06	29.09	-53.73	-1,910.88	-6,098.48	790.08	658.01	132.06	5.983		
13,900.00	7,139.73	6,900.00	6,841.60	196.87	29.09	-53.73	-1,910.88	-6,098.48	713.32	570.31	143.01	4.988		
14,000.00	7,139.97	6,900.00	6,841.60	199.68	29.09	-53.73	-1,910.88	-6,098.48	642.98	487.44	155.54	4.134		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	6,900.00	6,841.60	202.48	29.09	-53.73	-1,910.88	-6,098.48	581.40	412.18	169.22	3.436		
14,200.00	7,140.45	6,900.00	6,841.60	205.29	29.09	-53.73	-1,910.88	-6,098.48	531.62	348.72	182.90	2.907		
14,300.00	7,140.69	6,900.00	6,841.60	208.10	29.09	-53.73	-1,910.88	-6,098.48	497.22	302.78	194.44	2.557		
14,400.00	7,140.93	6,913.24	6,852.55	210.91	29.11	-55.31	-1,918.31	-6,098.48	481.19	276.75	204.43	2.354		
14,427.10	7,140.99	6,913.36	6,852.65	211.68	29.11	-55.32	-1,918.38	-6,098.48	480.42	275.23	205.19	2.341	CC, ES, SF	
14,500.00	7,141.17	6,913.70	6,852.93	213.73	29.11	-55.36	-1,918.58	-6,098.48	485.92	281.24	204.68	2.374		
14,600.00	7,141.41	6,914.16	6,853.31	216.54	29.11	-55.42	-1,918.84	-6,098.48	510.59	312.02	198.57	2.571		
14,700.00	7,141.65	6,914.63	6,853.70	219.36	29.11	-55.47	-1,919.10	-6,098.48	552.52	364.18	188.34	2.934		
14,800.00	7,141.89	6,915.09	6,854.08	222.17	29.11	-55.53	-1,919.37	-6,098.48	608.16	431.68	176.48	3.446		
14,900.00	7,142.13	6,915.56	6,854.46	224.99	29.11	-55.58	-1,919.64	-6,098.48	674.12	509.36	164.76	4.092		
15,000.00	7,142.36	6,916.03	6,854.84	227.81	29.11	-55.64	-1,919.90	-6,098.48	747.67	593.65	154.02	4.854		
15,100.00	7,142.60	6,916.49	6,855.23	230.63	29.11	-55.70	-1,920.17	-6,098.48	826.79	682.21	144.59	5.718		
15,200.00	7,142.84	6,916.96	6,855.61	233.45	29.11	-55.75	-1,920.44	-6,098.48	910.04	773.60	136.44	6.670		
15,300.00	7,143.08	6,917.43	6,855.99	236.27	29.11	-55.81	-1,920.71	-6,098.48	996.36	866.91	129.45	7.697		
15,400.00	7,143.32	6,917.90	6,856.38	239.09	29.11	-55.86	-1,920.97	-6,098.48	1,085.04	961.56	123.48	8.787		
15,500.00	7,143.56	6,918.36	6,856.76	241.91	29.11	-55.92	-1,921.24	-6,098.48	1,175.54	1,057.18	118.35	9.933		
15,600.00	7,143.80	6,918.83	6,857.14	244.73	29.12	-55.98	-1,921.51	-6,098.48	1,267.46	1,153.52	113.94	11.124		
15,700.00	7,144.04	6,919.30	6,857.53	247.56	29.12	-56.03	-1,921.78	-6,098.48	1,360.53	1,250.40	110.13	12.354		
15,800.00	7,144.28	6,919.77	6,857.91	250.38	29.12	-56.09	-1,922.05	-6,098.48	1,454.51	1,347.70	106.81	13.618		
15,900.00	7,144.52	6,920.24	6,858.30	253.21	29.12	-56.14	-1,922.32	-6,098.48	1,549.25	1,445.33	103.92	14.909		
16,000.00	7,144.76	6,920.72	6,858.68	256.03	29.12	-56.20	-1,922.60	-6,098.48	1,644.61	1,543.23	101.38	16.223		
16,100.00	7,145.00	6,921.19	6,859.07	258.86	29.12	-56.26	-1,922.87	-6,098.48	1,740.49	1,641.35	99.14	17.556		
16,200.00	7,145.24	6,921.66	6,859.45	261.69	29.12	-56.31	-1,923.14	-6,098.48	1,836.81	1,739.66	97.16	18.906		
16,300.00	7,145.48	6,922.13	6,859.84	264.52	29.12	-56.37	-1,923.42	-6,098.48	1,933.51	1,838.11	95.40	20.268		
16,400.00	7,145.72	6,922.61	6,860.22	267.35	29.12	-56.43	-1,923.69	-6,098.48	2,030.52	1,936.70	93.83	21.641		
16,500.00	7,145.96	6,923.08	6,860.61	270.18	29.12	-56.48	-1,923.96	-6,098.48	2,127.81	2,035.39	92.42	23.023		
16,600.00	7,146.20	6,923.56	6,861.00	273.01	29.12	-56.54	-1,924.24	-6,098.48	2,225.34	2,134.19	91.16	24.412		
16,700.00	7,146.44	6,924.03	6,861.38	275.84	29.12	-56.59	-1,924.51	-6,098.48	2,323.08	2,233.06	90.02	25.806		
16,800.00	7,146.68	6,924.51	6,861.77	278.67	29.12	-56.65	-1,924.79	-6,098.48	2,421.01	2,332.01	88.99	27.204		
16,900.00	7,146.92	6,924.98	6,862.16	281.50	29.12	-56.71	-1,925.07	-6,098.48	2,519.10	2,431.03	88.06	28.605		
17,000.00	7,147.16	6,925.46	6,862.55	284.33	29.13	-56.76	-1,925.34	-6,098.48	2,617.33	2,530.11	87.22	30.008		
17,100.00	7,147.40	6,925.93	6,862.93	287.16	29.13	-56.82	-1,925.62	-6,098.48	2,715.69	2,629.24	86.45	31.412		
17,200.00	7,147.64	6,926.41	6,863.32	290.00	29.13	-56.88	-1,925.90	-6,098.48	2,814.17	2,728.41	85.75	32.817		
17,300.00	7,147.88	6,926.89	6,863.71	292.83	29.13	-56.94	-1,926.18	-6,098.48	2,912.75	2,827.63	85.12	34.221		
17,400.00	7,148.12	6,927.37	6,864.10	295.66	29.13	-56.99	-1,926.46	-6,098.48	3,011.42	2,926.89	84.53	35.624		
17,500.00	7,148.36	6,927.85	6,864.49	298.50	29.13	-57.05	-1,926.74	-6,098.48	3,110.18	3,026.18	84.00	37.026		
17,600.00	7,148.60	6,928.33	6,864.88	301.33	29.13	-57.11	-1,927.02	-6,098.48	3,209.01	3,125.50	83.51	38.426		
17,700.00	7,148.84	6,928.81	6,865.27	304.17	29.13	-57.16	-1,927.30	-6,098.48	3,307.92	3,224.86	83.06	39.825		
17,800.00	7,149.08	6,929.29	6,865.66	307.00	29.13	-57.22	-1,927.58	-6,098.48	3,406.89	3,324.24	82.65	41.221		
17,900.00	7,149.32	6,929.77	6,866.05	309.84	29.13	-57.28	-1,927.86	-6,098.48	3,505.91	3,423.64	82.27	42.614		
18,000.00	7,149.56	6,930.25	6,866.44	312.68	29.13	-57.34	-1,928.14	-6,098.48	3,605.00	3,523.07	81.92	44.004		
18,100.00	7,149.80	6,930.73	6,866.83	315.51	29.13	-57.39	-1,928.43	-6,098.48	3,704.13	3,622.52	81.60	45.391		
18,200.00	7,150.04	6,931.21	6,867.22	318.35	29.13	-57.45	-1,928.71	-6,098.48	3,803.30	3,721.99	81.31	46.775		
18,300.00	7,150.28	6,931.70	6,867.61	321.19	29.14	-57.51	-1,929.00	-6,098.48	3,902.52	3,821.48	81.04	48.156		
18,400.00	7,150.52	6,932.18	6,868.00	324.03	29.14	-57.56	-1,929.28	-6,098.48	4,001.78	3,920.98	80.79	49.533		
18,500.00	7,150.76	6,932.67	6,868.39	326.86	29.14	-57.62	-1,929.57	-6,098.48	4,101.07	4,020.51	80.56	50.906		
18,600.00	7,151.00	6,933.15	6,868.78	329.70	29.14	-57.68	-1,929.85	-6,098.48	4,200.39	4,120.04	80.35	52.275		
18,700.00	7,151.24	6,933.64	6,869.17	332.54	29.14	-57.74	-1,930.14	-6,098.48	4,299.75	4,219.59	80.16	53.641		
18,800.00	7,151.48	6,934.12	6,869.56	335.38	29.14	-57.80	-1,930.43	-6,098.48	4,399.14	4,319.16	79.98	55.002		
18,900.00	7,151.72	6,934.61	6,869.96	338.22	29.14	-57.85	-1,930.71	-6,098.48	4,498.55	4,418.73	79.82	56.360		
19,000.00	7,151.96	6,935.09	6,870.35	341.06	29.14	-57.91	-1,931.00	-6,098.48	4,597.99	4,518.32	79.67	57.713		
19,018.30	7,152.00	6,935.18	6,870.42	341.58	29.14	-57.92	-1,931.05	-6,098.48	4,616.19	4,536.54	79.64	57.960		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-109.92	-2,062.78	-5,693.16	6,055.34					
100.00	100.00	85.00	85.00	3.28	3.29	-109.92	-2,062.78	-5,693.16	6,055.34	6,048.77	6.57	921.664		
200.00	200.00	185.00	185.00	3.34	3.31	-109.92	-2,062.78	-5,693.16	6,055.34	6,048.69	6.64	911.665		
300.00	299.98	284.98	284.98	3.44	3.34	-109.92	-2,062.78	-5,693.16	6,056.01	6,049.23	6.78	893.305		
400.00	399.84	384.84	384.84	3.59	3.39	-109.92	-2,062.78	-5,693.16	6,058.05	6,051.07	6.98	868.118		
500.00	499.45	484.45	484.45	3.80	3.45	-109.92	-2,062.78	-5,693.16	6,061.44	6,054.20	7.24	837.304		
600.00	598.70	583.70	583.70	4.04	3.52	-109.92	-2,062.78	-5,693.16	6,066.21	6,058.65	7.56	802.720		
700.00	697.47	682.47	682.47	4.32	3.61	-109.92	-2,062.78	-5,693.16	6,072.36	6,064.43	7.93	765.986		
800.00	795.62	780.62	780.62	4.65	3.70	-109.92	-2,062.78	-5,693.16	6,079.90	6,071.56	8.35	728.395		
900.00	893.06	878.06	878.06	5.01	3.80	-109.92	-2,062.78	-5,693.16	6,088.86	6,080.05	8.81	690.904		
1,000.00	989.64	866.25	866.24	5.42	3.86	-109.92	-2,062.51	-5,693.87	6,100.81	6,091.54	9.27	658.021		
1,044.50	1,032.32	900.00	899.98	5.61	3.94	-109.92	-2,062.16	-5,694.79	6,106.82	6,097.28	9.54	640.184		
1,100.00	1,085.43	900.00	899.98	5.86	3.94	-109.92	-2,062.16	-5,694.79	6,114.62	6,104.84	9.78	625.132		
1,200.00	1,181.11	937.85	937.80	6.33	4.04	-109.92	-2,061.60	-5,696.26	6,129.62	6,119.29	10.33	593.578		
1,300.00	1,276.80	1,000.00	999.84	6.81	4.20	-109.92	-2,060.30	-5,699.68	6,145.81	6,134.85	10.96	560.910		
1,400.00	1,372.49	1,000.00	999.84	7.31	4.20	-109.92	-2,060.30	-5,699.68	6,162.75	6,151.32	11.44	538.885		
1,500.00	1,468.17	1,043.04	1,042.75	7.83	4.32	-109.92	-2,059.11	-5,702.79	6,180.86	6,168.82	12.05	513.117		
1,600.00	1,563.86	1,100.00	1,099.45	8.35	4.49	-109.92	-2,057.20	-5,707.82	6,200.14	6,187.43	12.71	487.861		
1,700.00	1,659.55	1,100.00	1,099.45	8.88	4.49	-109.92	-2,057.20	-5,707.82	6,220.26	6,207.05	13.21	471.023		
1,800.00	1,755.23	1,145.48	1,144.64	9.42	4.64	-109.92	-2,055.38	-5,712.60	6,241.47	6,227.61	13.85	450.631		
1,900.00	1,850.92	1,200.00	1,198.70	9.97	4.82	-109.92	-2,052.86	-5,719.21	6,263.83	6,249.30	14.53	431.010		
2,000.00	1,946.61	1,212.17	1,210.75	10.52	4.86	-109.92	-2,052.25	-5,720.82	6,287.03	6,271.95	15.07	417.051		
2,100.00	2,042.29	1,249.32	1,247.49	11.07	5.00	-109.92	-2,050.27	-5,726.01	6,311.34	6,295.64	15.71	401.848		
2,200.00	2,137.98	1,339.87	1,336.95	11.63	5.35	-109.92	-2,045.31	-5,739.03	6,336.20	6,319.66	16.54	382.987		
2,300.00	2,233.67	1,430.41	1,426.41	12.19	5.71	-109.92	-2,040.36	-5,752.05	6,361.25	6,343.85	17.40	365.600		
2,400.00	2,329.35	1,520.95	1,515.88	12.76	6.10	-109.92	-2,035.40	-5,765.08	6,386.47	6,368.20	18.27	349.542		
2,500.00	2,425.04	1,611.49	1,605.34	13.32	6.50	-109.92	-2,030.44	-5,778.10	6,411.89	6,392.73	19.15	334.740		
2,600.00	2,520.72	1,702.04	1,694.80	13.89	6.91	-109.92	-2,025.48	-5,791.12	6,437.48	6,417.43	20.05	321.090		
2,700.00	2,616.41	1,807.42	1,784.27	14.46	7.40	-109.92	-2,020.53	-5,804.14	6,463.24	6,442.23	21.01	307.576		
2,800.00	2,712.10	1,883.12	1,873.73	15.03	7.76	-109.92	-2,015.57	-5,817.16	6,489.19	6,467.33	21.86	296.841		
2,900.00	2,807.78	1,973.66	1,963.20	15.60	8.20	-109.92	-2,010.61	-5,830.18	6,515.30	6,492.53	22.78	286.059		
3,000.00	2,903.47	2,064.21	2,052.66	16.18	8.64	-109.92	-2,005.66	-5,843.20	6,541.59	6,517.90	23.70	276.063		
3,100.00	2,999.16	2,154.75	2,142.12	16.75	9.09	-109.92	-2,000.70	-5,856.22	6,568.05	6,543.43	24.62	266.778		
3,200.00	3,094.84	2,245.29	2,231.59	17.33	9.54	-109.92	-1,995.74	-5,869.25	6,594.67	6,569.13	25.55	258.138		
3,300.00	3,190.53	2,335.83	2,321.05	17.90	10.00	-109.92	-1,990.78	-5,882.27	6,621.46	6,594.98	26.48	250.084		
3,400.00	3,286.22	2,426.38	2,410.52	18.48	10.46	-109.92	-1,985.83	-5,895.29	6,648.41	6,621.00	27.41	242.564		
3,500.00	3,381.90	2,516.92	2,499.98	19.06	10.92	-109.92	-1,980.87	-5,908.31	6,675.53	6,647.18	28.34	235.529		
3,600.00	3,477.59	2,607.46	2,589.44	19.64	11.39	-109.92	-1,975.91	-5,921.33	6,702.80	6,673.52	29.28	228.938		
3,700.00	3,573.28	2,702.00	2,678.91	20.22	11.87	-109.92	-1,970.95	-5,934.35	6,730.23	6,700.00	30.23	222.618		
3,800.00	3,668.96	2,788.54	2,768.37	20.80	12.32	-109.92	-1,966.00	-5,947.37	6,757.81	6,726.66	31.15	216.936		
3,900.00	3,764.65	2,879.09	2,857.84	21.38	12.79	-109.92	-1,961.04	-5,960.39	6,785.55	6,753.46	32.09	211.461		
4,000.00	3,860.33	2,969.63	2,947.30	21.96	13.27	-109.92	-1,956.08	-5,973.42	6,813.44	6,780.42	33.03	206.298		
4,100.00	3,956.02	3,060.17	3,036.76	22.54	13.74	-109.92	-1,951.13	-5,986.44	6,841.48	6,807.52	33.97	201.424		
4,200.00	4,051.71	3,150.71	3,126.23	23.13	14.21	-109.92	-1,946.17	-5,999.46	6,869.67	6,834.77	34.90	196.815		
4,300.00	4,147.39	3,241.26	3,215.69	23.71	14.69	-109.92	-1,941.21	-6,012.48	6,898.01	6,862.16	35.84	192.452		
4,400.00	4,243.08	3,331.80	3,305.16	24.29	15.17	-109.92	-1,936.25	-6,025.50	6,926.48	6,889.70	36.78	188.315		
4,500.00	4,338.77	3,422.34	3,394.62	24.88	15.65	-109.92	-1,931.30	-6,038.52	6,955.10	6,917.38	37.72	184.389		
4,600.00	4,434.45	3,512.88	3,484.08	25.46	16.12	-109.92	-1,926.34	-6,051.54	6,983.87	6,945.21	38.66	180.659		
4,700.00	4,530.14	3,603.43	3,573.55	26.04	16.60	-109.92	-1,921.38	-6,064.56	7,012.77	6,973.17	39.60	177.110		
4,800.00	4,625.83	3,706.03	3,663.01	26.63	17.15	-109.92	-1,916.42	-6,077.58	7,041.80	7,001.21	40.59	173.491		
4,900.00	4,721.51	3,784.51	3,752.48	27.21	17.57	-109.92	-1,911.47	-6,090.61	7,070.98	7,029.51	41.47	170.509		
5,000.00	4,817.20	3,875.05	3,841.94	27.80	18.05	-109.92	-1,906.51	-6,103.63	7,100.28	7,057.88	42.41	167.435		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	3,965.60	3,931.40	28.38	18.53	121.92	-1,901.55	-6,116.65	7,129.72	7,086.38	43.34	164.498		
5,200.00	5,008.57	4,056.14	4,020.87	28.97	19.01	122.16	-1,896.60	-6,129.67	7,159.29	7,115.02	44.28	161.691		
5,300.00	5,104.26	4,146.68	4,110.33	29.55	19.50	122.40	-1,891.64	-6,142.69	7,188.99	7,143.78	45.21	159.005		
5,400.00	5,199.94	4,237.22	4,199.80	30.14	19.98	122.64	-1,886.68	-6,155.71	7,218.82	7,172.67	46.15	156.432		
5,500.00	5,295.63	4,327.77	4,289.26	30.72	20.46	122.88	-1,881.72	-6,168.73	7,248.77	7,201.69	47.08	153.967		
5,600.00	5,391.32	4,418.31	4,378.72	31.31	20.95	123.11	-1,876.77	-6,181.75	7,278.85	7,230.84	48.01	151.601		
5,700.00	5,487.00	4,508.85	4,468.19	31.90	21.43	123.34	-1,871.81	-6,194.78	7,309.05	7,260.10	48.95	149.331		
5,800.00	5,582.69	4,600.61	4,557.65	32.48	21.92	123.58	-1,866.85	-6,207.80	7,339.37	7,289.49	49.88	147.133		
5,900.00	5,678.38	4,689.94	4,647.12	33.07	22.40	123.81	-1,861.89	-6,220.82	7,369.81	7,319.00	50.81	145.052		
6,000.00	5,774.06	4,780.48	4,736.58	33.65	22.89	124.03	-1,856.94	-6,233.84	7,400.37	7,348.63	51.74	143.035		
6,100.00	5,869.75	4,871.02	4,826.04	34.24	23.38	124.26	-1,851.98	-6,246.86	7,431.04	7,378.38	52.67	141.093		
6,200.00	5,965.44	4,961.56	4,915.51	34.83	23.86	124.49	-1,847.02	-6,259.88	7,461.84	7,408.24	53.60	139.222		
6,300.00	6,061.12	5,052.11	5,004.97	35.41	24.35	124.71	-1,842.07	-6,272.90	7,492.74	7,438.22	54.52	137.419		
6,400.00	6,156.81	5,142.65	5,094.44	36.00	24.83	124.93	-1,837.11	-6,285.92	7,523.76	7,468.31	55.45	135.680		
6,500.00	6,252.50	5,233.19	5,183.90	36.59	25.32	125.15	-1,832.15	-6,298.94	7,554.89	7,498.51	56.38	134.001		
6,600.00	6,348.18	5,323.73	5,273.36	37.18	25.81	125.37	-1,827.19	-6,311.97	7,586.13	7,528.82	57.31	132.381		
6,636.04	6,382.67	5,356.37	5,305.61	37.39	25.98	125.45	-1,825.41	-6,316.66	7,597.41	7,539.77	57.64	131.810		
6,650.00	6,396.05	5,369.05	5,318.14	37.47	26.05	122.23	-1,824.71	-6,318.48	7,601.64	7,543.87	57.77	131.591		
6,700.00	6,444.38	5,415.22	5,363.77	37.74	26.30	107.86	-1,822.18	-6,325.12	7,614.40	7,556.18	58.22	130.785		
6,750.00	6,493.07	5,462.32	5,410.30	37.98	26.56	89.39	-1,819.61	-6,331.90	7,623.38	7,564.72	58.66	129.959		
6,800.00	6,541.82	5,510.03	5,457.45	38.18	26.81	69.91	-1,816.99	-6,338.76	7,628.51	7,569.44	59.08	129.129		
6,850.00	6,590.35	5,558.08	5,504.92	38.35	27.07	53.46	-1,814.36	-6,345.67	7,629.76	7,570.30	59.47	128.306		
6,900.00	6,638.34	5,604.23	5,547.87	38.50	31.96	43.21	-1,787.08	-6,429.12	7,626.64	7,561.55	65.09	117.173		
6,950.00	6,685.50	5,654.64	5,605.04	38.64	32.05	34.63	-1,790.98	-6,429.12	7,613.76	7,548.46	65.30	116.590		
7,000.00	6,731.54	5,700.00	5,639.88	38.77	32.16	28.53	-1,797.01	-6,429.12	7,597.25	7,531.74	65.52	115.961		
7,050.00	6,776.18	5,723.57	5,662.93	38.90	32.22	24.05	-1,801.92	-6,429.12	7,577.20	7,511.54	65.65	115.414		
7,100.00	6,819.14	5,751.54	5,690.07	39.03	32.29	20.64	-1,808.67	-6,429.11	7,553.71	7,487.92	65.79	114.820		
7,150.00	6,860.16	5,778.18	5,715.68	39.16	32.36	17.96	-1,816.02	-6,429.11	7,526.93	7,461.03	65.90	114.211		
7,200.00	6,898.98	5,800.00	5,736.45	39.31	32.42	15.79	-1,822.70	-6,429.11	7,497.01	7,431.02	65.99	113.607		
7,250.00	6,935.36	5,826.68	5,761.58	39.47	32.48	13.95	-1,831.67	-6,429.11	7,464.12	7,398.05	66.08	112.963		
7,300.00	6,969.08	5,848.21	5,781.61	39.65	32.53	12.34	-1,839.54	-6,429.11	7,428.45	7,362.32	66.14	112.320		
7,350.00	6,999.94	5,867.76	5,799.60	39.85	32.57	10.87	-1,847.18	-6,429.11	7,390.21	7,324.03	66.18	111.660		
7,400.00	7,027.74	5,885.22	5,815.51	40.08	32.61	9.44	-1,854.39	-6,429.11	7,349.63	7,283.40	66.22	110.984		
7,450.00	7,052.31	5,900.00	5,828.84	40.34	32.64	7.97	-1,860.77	-6,429.11	7,306.92	7,240.68	66.25	110.296		
7,500.00	7,073.49	5,913.66	5,841.05	40.63	32.67	6.32	-1,866.90	-6,429.11	7,262.36	7,196.09	66.27	109.590		
7,550.00	7,091.17	5,924.56	5,850.70	40.95	32.69	4.27	-1,871.94	-6,429.11	7,216.19	7,149.91	66.28	108.872		
7,600.00	7,105.22	5,933.19	5,858.30	41.31	32.70	1.40	-1,876.04	-6,429.11	7,168.70	7,102.41	66.29	108.142		
7,650.00	7,115.57	5,939.55	5,863.88	41.71	32.72	-3.32	-1,879.11	-6,429.11	7,120.16	7,053.87	66.30	107.401		
7,700.00	7,122.15	5,943.64	5,867.44	42.15	32.72	-13.13	-1,881.11	-6,429.11	7,070.87	7,004.57	66.30	106.649		
7,750.00	7,124.91	5,945.43	5,869.00	42.62	32.73	-42.70	-1,881.99	-6,429.11	7,021.12	6,954.81	66.31	105.891		
7,759.54	7,125.00	5,945.51	5,869.07	42.72	32.73	-54.05	-1,882.03	-6,429.11	7,011.60	6,945.29	66.31	105.745		
7,800.00	7,125.10	5,945.69	5,869.22	43.13	32.73	-54.08	-1,882.12	-6,429.11	6,971.22	6,904.91	66.31	105.129		
7,900.00	7,125.34	5,946.11	5,869.59	44.28	32.73	-54.13	-1,882.33	-6,429.11	6,871.42	6,805.10	66.32	103.606		
8,000.00	7,125.58	5,946.54	5,869.96	45.61	32.73	-54.19	-1,882.54	-6,429.11	6,771.63	6,705.29	66.34	102.080		
8,100.00	7,125.82	5,946.97	5,870.33	47.10	32.73	-54.24	-1,882.75	-6,429.11	6,671.84	6,605.49	66.35	100.551		
8,200.00	7,126.06	5,947.39	5,870.71	48.72	32.73	-54.30	-1,882.96	-6,429.11	6,572.06	6,505.69	66.37	99.020		
8,300.00	7,126.30	5,947.82	5,871.08	50.48	32.73	-54.35	-1,883.17	-6,429.11	6,472.29	6,405.90	66.39	97.486		
8,400.00	7,126.54	5,948.25	5,871.45	52.34	32.73	-54.41	-1,883.39	-6,429.11	6,372.52	6,306.11	66.42	95.949		
8,500.00	7,126.78	5,948.68	5,871.82	54.30	32.73	-54.47	-1,883.60	-6,429.11	6,272.76	6,206.32	66.44	94.410		
8,600.00	7,127.02	5,949.11	5,872.19	56.35	32.73	-54.52	-1,883.81	-6,429.11	6,173.01	6,106.54	66.47	92.868		
8,700.00	7,127.26	5,949.54	5,872.57	58.47	32.73	-54.58	-1,884.03	-6,429.11	6,073.27	6,006.77	66.50	91.324		
8,800.00	7,127.50	5,949.97	5,872.94	60.66	32.73	-54.63	-1,884.24	-6,429.11	5,973.53	5,907.00	66.54	89.776		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	6,950.40	6,873.31	62.90	32.74	-54.69	-1,884.46	-6,429.11	5,873.81	5,807.23	66.58	88.227		
9,000.00	7,127.98	6,950.83	6,873.69	65.19	32.74	-54.75	-1,884.67	-6,429.11	5,774.09	5,707.47	66.62	86.675		
9,100.00	7,128.22	6,951.27	6,874.06	67.53	32.74	-54.80	-1,884.89	-6,429.11	5,674.39	5,607.72	66.66	85.120		
9,200.00	7,128.46	6,951.70	6,874.44	69.92	32.74	-54.86	-1,885.11	-6,429.11	5,574.69	5,507.98	66.71	83.562		
9,300.00	7,128.70	6,952.13	6,874.81	72.33	32.74	-54.91	-1,885.32	-6,429.11	5,475.01	5,408.24	66.77	82.002		
9,400.00	7,128.94	6,952.57	6,875.19	74.78	32.74	-54.97	-1,885.54	-6,429.11	5,375.33	5,308.51	66.82	80.439		
9,500.00	7,129.18	6,953.00	6,875.56	77.26	32.74	-55.03	-1,885.76	-6,429.11	5,275.67	5,208.78	66.89	78.873		
9,600.00	7,129.42	6,953.43	6,875.94	79.76	32.74	-55.08	-1,885.98	-6,429.11	5,176.02	5,109.07	66.96	77.305		
9,700.00	7,129.66	6,953.87	6,876.32	82.29	32.74	-55.14	-1,886.19	-6,429.11	5,076.39	5,009.36	67.03	75.734		
9,800.00	7,129.90	6,954.31	6,876.69	84.84	32.74	-55.20	-1,886.41	-6,429.11	4,976.77	4,909.66	67.11	74.160		
9,900.00	7,130.14	6,954.74	6,877.07	87.41	32.74	-55.25	-1,886.63	-6,429.11	4,877.17	4,809.97	67.19	72.583		
10,000.00	7,130.38	6,955.18	6,877.45	90.00	32.74	-55.31	-1,886.85	-6,429.11	4,777.58	4,710.29	67.29	71.004		
10,100.00	7,130.62	6,955.62	6,877.82	92.60	32.74	-55.37	-1,887.07	-6,429.11	4,678.01	4,610.62	67.39	69.421		
10,200.00	7,130.86	6,956.05	6,878.20	95.22	32.75	-55.43	-1,887.30	-6,429.11	4,578.46	4,510.97	67.49	67.835		
10,300.00	7,131.09	6,956.49	6,878.58	97.85	32.75	-55.48	-1,887.52	-6,429.11	4,478.93	4,411.32	67.61	66.246		
10,400.00	7,131.33	6,956.93	6,878.96	100.50	32.75	-55.54	-1,887.74	-6,429.11	4,379.42	4,311.68	67.74	64.654		
10,500.00	7,131.57	6,957.37	6,879.34	103.16	32.75	-55.60	-1,887.96	-6,429.11	4,279.93	4,212.06	67.87	63.059		
10,600.00	7,131.81	6,957.81	6,879.72	105.82	32.75	-55.66	-1,888.18	-6,429.11	4,180.47	4,112.45	68.02	61.460		
10,700.00	7,132.05	6,958.25	6,880.10	108.50	32.75	-55.71	-1,888.41	-6,429.11	4,081.03	4,012.85	68.18	59.858		
10,800.00	7,132.29	6,958.69	6,880.48	111.19	32.75	-55.77	-1,888.63	-6,429.11	3,981.62	3,913.27	68.35	58.252		
10,900.00	7,132.53	6,959.13	6,880.86	113.88	32.75	-55.83	-1,888.86	-6,429.11	3,882.25	3,813.71	68.54	56.643		
11,000.00	7,132.77	6,959.58	6,881.24	116.58	32.75	-55.89	-1,889.08	-6,429.11	3,782.90	3,714.16	68.74	55.029		
11,100.00	7,133.01	6,960.02	6,881.62	119.29	32.75	-55.94	-1,889.31	-6,429.11	3,683.59	3,614.63	68.97	53.412		
11,200.00	7,133.25	6,960.46	6,882.00	122.01	32.75	-56.00	-1,889.53	-6,429.11	3,584.32	3,515.11	69.21	51.791		
11,300.00	7,133.49	6,960.91	6,882.38	124.73	32.75	-56.06	-1,889.76	-6,429.11	3,485.09	3,415.62	69.47	50.165		
11,400.00	7,133.73	6,961.35	6,882.76	127.46	32.76	-56.12	-1,889.99	-6,429.11	3,385.90	3,316.14	69.76	48.536		
11,500.00	7,133.97	6,961.79	6,883.15	130.19	32.76	-56.18	-1,890.21	-6,429.11	3,286.77	3,216.69	70.08	46.902		
11,600.00	7,134.21	6,962.24	6,883.53	132.93	32.76	-56.23	-1,890.44	-6,429.11	3,187.69	3,117.26	70.42	45.264		
11,700.00	7,134.45	6,962.69	6,883.91	135.68	32.76	-56.29	-1,890.67	-6,429.11	3,088.66	3,017.86	70.81	43.621		
11,800.00	7,134.69	6,963.13	6,884.29	138.43	32.76	-56.35	-1,890.90	-6,429.11	2,989.71	2,918.48	71.23	41.974		
11,900.00	7,134.93	6,963.58	6,884.68	141.18	32.76	-56.41	-1,891.13	-6,429.11	2,890.82	2,819.13	71.69	40.323		
12,000.00	7,135.17	6,964.03	6,885.06	143.94	32.76	-56.47	-1,891.36	-6,429.11	2,792.01	2,719.81	72.21	38.667		
12,100.00	7,135.41	6,964.47	6,885.45	146.70	32.76	-56.53	-1,891.59	-6,429.11	2,693.30	2,620.52	72.78	37.008		
12,200.00	7,135.65	6,964.92	6,885.83	149.46	32.76	-56.58	-1,891.82	-6,429.11	2,594.68	2,521.26	73.41	35.344		
12,300.00	7,135.89	6,965.37	6,886.21	152.23	32.76	-56.64	-1,892.05	-6,429.11	2,496.16	2,422.05	74.12	33.678		
12,400.00	7,136.13	6,965.82	6,886.60	155.00	32.76	-56.70	-1,892.28	-6,429.11	2,397.78	2,322.87	74.91	32.008		
12,500.00	7,136.37	6,966.27	6,886.98	157.78	32.76	-56.76	-1,892.52	-6,429.11	2,299.53	2,223.73	75.80	30.337		
12,600.00	7,136.61	6,966.72	6,887.37	160.55	32.77	-56.82	-1,892.75	-6,429.11	2,201.44	2,124.64	76.80	28.665		
12,700.00	7,136.85	6,967.17	6,887.76	163.33	32.77	-56.88	-1,892.98	-6,429.11	2,103.52	2,025.60	77.93	26.993		
12,800.00	7,137.09	6,967.62	6,888.14	166.12	32.77	-56.94	-1,893.22	-6,429.11	2,005.82	1,926.61	79.21	25.324		
12,900.00	7,137.33	6,968.08	6,888.53	168.90	32.77	-57.00	-1,893.45	-6,429.11	1,908.35	1,827.69	80.66	23.659		
13,000.00	7,137.57	6,968.53	6,888.92	171.69	32.77	-57.06	-1,893.69	-6,429.11	1,811.16	1,728.84	82.32	22.001		
13,100.00	7,137.81	6,968.98	6,889.30	174.48	32.77	-57.12	-1,893.92	-6,429.11	1,714.29	1,630.06	84.22	20.354		
13,200.00	7,138.05	6,969.44	6,889.69	177.27	32.77	-57.18	-1,894.16	-6,429.11	1,617.80	1,531.38	86.42	18.721		
13,300.00	7,138.29	6,969.89	6,890.08	180.07	32.77	-57.23	-1,894.39	-6,429.11	1,521.76	1,432.81	88.95	17.108		
13,400.00	7,138.53	6,970.35	6,890.47	182.86	32.77	-57.29	-1,894.63	-6,429.11	1,426.27	1,334.38	91.89	15.521		
13,500.00	7,138.77	6,970.80	6,890.86	185.66	32.77	-57.35	-1,894.87	-6,429.11	1,331.44	1,236.11	95.33	13.966		
13,600.00	7,139.01	6,971.26	6,891.24	188.46	32.77	-57.41	-1,895.11	-6,429.11	1,237.43	1,138.05	99.38	12.452		
13,700.00	7,139.25	6,971.71	6,891.63	191.26	32.77	-57.47	-1,895.35	-6,429.11	1,144.43	1,040.28	104.15	10.988		
13,800.00	7,139.49	6,972.17	6,892.02	194.06	32.78	-57.53	-1,895.59	-6,429.11	1,052.71	942.89	109.82	9.586		
13,900.00	7,139.73	6,972.63	6,892.41	196.87	32.78	-57.59	-1,895.82	-6,429.11	962.64	846.05	116.59	8.256		
14,000.00	7,139.97	6,973.09	6,892.80	199.68	32.78	-57.65	-1,896.06	-6,429.11	874.74	750.02	124.72	7.014		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	6,973.55	6,893.19	202.48	32.78	-57.71	-1,896.31	-6,429.11	789.72	655.23	134.48	5.872		
14,200.00	7,140.45	6,974.00	6,893.59	205.29	32.78	-57.77	-1,896.55	-6,429.11	708.62	562.43	146.19	4.847		
14,300.00	7,140.69	6,974.46	6,893.98	208.10	32.78	-57.83	-1,896.79	-6,429.11	632.95	472.91	160.03	3.955		
14,400.00	7,140.93	6,974.92	6,894.37	210.91	32.78	-57.89	-1,897.03	-6,429.11	564.89	388.99	175.90	3.211		
14,500.00	7,141.17	6,975.39	6,894.76	213.73	32.78	-57.95	-1,897.27	-6,429.11	507.53	314.66	192.86	2.632		
14,600.00	7,141.41	6,975.85	6,895.15	216.54	32.78	-58.02	-1,897.52	-6,429.11	464.83	256.22	208.61	2.228		
14,700.00	7,141.65	6,976.31	6,895.54	219.36	32.78	-58.08	-1,897.76	-6,429.11	441.07	221.72	219.35	2.011		
14,757.60	7,141.78	6,976.58	6,895.77	220.98	32.78	-58.11	-1,897.90	-6,429.11	437.29	215.48	221.82	1.971	CC, ES, SF	
14,800.00	7,141.89	6,976.77	6,895.94	222.17	32.78	-58.14	-1,898.00	-6,429.11	439.35	217.72	221.63	1.982		
14,900.00	7,142.13	6,977.23	6,896.33	224.99	32.79	-58.20	-1,898.25	-6,429.11	459.89	244.88	215.02	2.139		
15,000.00	7,142.36	6,977.70	6,896.72	227.81	32.79	-58.26	-1,898.50	-6,429.11	499.98	297.50	202.48	2.469		
15,100.00	7,142.60	6,978.16	6,897.12	230.63	32.79	-58.32	-1,898.74	-6,429.11	555.39	367.63	187.76	2.958		
15,200.00	7,142.84	6,978.63	6,897.51	233.45	32.79	-58.38	-1,898.99	-6,429.11	622.04	448.62	173.42	3.587		
15,300.00	7,143.08	6,979.09	6,897.91	236.27	32.79	-58.44	-1,899.23	-6,429.11	696.71	536.12	160.60	4.338		
15,400.00	7,143.32	6,979.56	6,898.30	239.09	32.79	-58.50	-1,899.48	-6,429.11	777.10	627.52	149.58	5.195		
15,500.00	7,143.56	6,980.02	6,898.69	241.91	32.79	-58.56	-1,899.73	-6,429.11	861.60	721.33	140.27	6.142		
15,600.00	7,143.80	6,980.49	6,899.09	244.73	32.79	-58.62	-1,899.98	-6,429.11	949.12	816.69	132.44	7.167		
15,700.00	7,144.04	6,980.96	6,899.49	247.56	32.79	-58.69	-1,900.23	-6,429.11	1,038.90	913.06	125.84	8.256		
15,800.00	7,144.28	6,981.43	6,899.88	250.38	32.79	-58.75	-1,900.48	-6,429.11	1,130.39	1,010.13	120.26	9.399		
15,900.00	7,144.52	6,981.90	6,900.28	253.21	32.79	-58.81	-1,900.73	-6,429.11	1,223.21	1,107.70	115.52	10.589		
16,000.00	7,144.76	6,982.37	6,900.67	256.03	32.79	-58.87	-1,900.98	-6,429.11	1,317.09	1,205.64	111.45	11.817		
16,100.00	7,145.00	6,982.84	6,901.07	258.86	32.80	-58.93	-1,901.23	-6,429.11	1,411.81	1,303.85	107.96	13.078		
16,200.00	7,145.24	6,983.31	6,901.47	261.69	32.80	-58.99	-1,901.48	-6,429.11	1,507.20	1,402.28	104.93	14.365		
16,300.00	7,145.48	6,983.78	6,901.87	264.52	32.80	-59.05	-1,901.73	-6,429.11	1,603.16	1,500.88	102.29	15.673		
16,400.00	7,145.72	6,984.25	6,902.26	267.35	32.80	-59.12	-1,901.99	-6,429.11	1,699.59	1,599.62	99.97	17.000		
16,500.00	7,145.96	6,984.72	6,902.66	270.18	32.80	-59.18	-1,902.24	-6,429.11	1,796.41	1,698.47	97.94	18.342		
16,600.00	7,146.20	6,985.19	6,903.06	273.01	32.80	-59.24	-1,902.49	-6,429.11	1,893.55	1,797.41	96.14	19.695		
16,700.00	7,146.44	6,985.67	6,903.46	275.84	32.80	-59.30	-1,902.75	-6,429.11	1,990.98	1,896.43	94.55	21.058		
16,800.00	7,146.68	6,986.14	6,903.86	278.67	32.80	-59.36	-1,903.00	-6,429.11	2,088.65	1,995.53	93.12	22.428		
16,900.00	7,146.92	6,986.61	6,904.26	281.50	32.80	-59.43	-1,903.26	-6,429.11	2,186.54	2,094.68	91.85	23.804		
17,000.00	7,147.16	6,987.09	6,904.66	284.33	32.80	-59.49	-1,903.52	-6,429.11	2,284.60	2,193.89	90.71	25.185		
17,100.00	7,147.40	6,987.56	6,905.06	287.16	32.80	-59.55	-1,903.77	-6,429.11	2,382.83	2,293.14	89.69	26.568		
17,200.00	7,147.64	6,988.04	6,905.46	290.00	32.81	-59.61	-1,904.03	-6,429.11	2,481.20	2,392.43	88.76	27.953		
17,300.00	7,147.88	6,988.52	6,905.86	292.83	32.81	-59.67	-1,904.29	-6,429.11	2,579.69	2,491.76	87.93	29.339		
17,400.00	7,148.12	7,000.00	6,915.47	295.66	32.83	-61.17	-1,910.58	-6,429.10	2,678.33	2,590.78	87.55	30.592		
17,500.00	7,148.36	7,000.00	6,915.47	298.50	32.83	-61.17	-1,910.58	-6,429.10	2,777.03	2,690.20	86.83	31.982		
17,600.00	7,148.60	7,000.00	6,915.47	301.33	32.83	-61.17	-1,910.58	-6,429.10	2,875.82	2,789.64	86.18	33.371		
17,700.00	7,148.84	7,000.00	6,915.47	304.17	32.83	-61.17	-1,910.58	-6,429.10	2,974.69	2,889.11	85.58	34.759		
17,800.00	7,149.08	7,000.00	6,915.47	307.00	32.83	-61.17	-1,910.58	-6,429.10	3,073.63	2,988.60	85.03	36.146		
17,900.00	7,149.32	7,000.00	6,915.47	309.84	32.83	-61.17	-1,910.58	-6,429.10	3,172.64	3,088.11	84.54	37.530		
18,000.00	7,149.56	7,000.00	6,915.47	312.68	32.83	-61.17	-1,910.58	-6,429.10	3,271.71	3,187.63	84.08	38.911		
18,100.00	7,149.80	7,000.00	6,915.47	315.51	32.83	-61.17	-1,910.58	-6,429.10	3,370.84	3,287.18	83.66	40.290		
18,200.00	7,150.04	7,000.00	6,915.47	318.35	32.83	-61.17	-1,910.58	-6,429.10	3,470.01	3,386.73	83.28	41.666		
18,300.00	7,150.28	7,000.00	6,915.47	321.19	32.83	-61.17	-1,910.58	-6,429.10	3,569.24	3,486.31	82.93	43.039		
18,400.00	7,150.52	7,000.00	6,915.47	324.03	32.83	-61.17	-1,910.58	-6,429.10	3,668.50	3,585.89	82.61	44.408		
18,500.00	7,150.76	7,000.00	6,915.47	326.86	32.83	-61.17	-1,910.58	-6,429.10	3,767.80	3,685.49	82.31	45.774		
18,600.00	7,151.00	7,000.00	6,915.47	329.70	32.83	-61.17	-1,910.58	-6,429.10	3,867.14	3,785.10	82.04	47.135		
18,700.00	7,151.24	7,000.00	6,915.47	332.54	32.83	-61.17	-1,910.58	-6,429.10	3,966.51	3,884.72	81.79	48.494		
18,800.00	7,151.48	7,000.00	6,915.47	335.38	32.83	-61.17	-1,910.58	-6,429.10	4,065.92	3,984.35	81.57	49.848		
18,900.00	7,151.72	7,000.00	6,915.47	338.22	32.83	-61.17	-1,910.58	-6,429.10	4,165.35	4,083.99	81.36	51.198		
19,000.00	7,151.96	7,000.00	6,915.47	341.06	32.83	-61.17	-1,910.58	-6,429.10	4,264.80	4,183.64	81.17	52.544		
19,018.30	7,152.00	7,000.00	6,915.47	341.58	32.83	-61.17	-1,910.58	-6,429.10	4,283.01	4,201.87	81.13	52.790		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.22	-2,062.80	-5,601.38	5,969.13					
100.00	100.00	85.00	85.00	3.28	3.29	-110.22	-2,062.80	-5,601.38	5,969.13	5,962.56	6.57	908.543		
200.00	200.00	185.00	185.00	3.34	3.31	-110.22	-2,062.80	-5,601.38	5,969.13	5,962.49	6.64	898.686		
300.00	299.98	284.98	284.98	3.44	3.34	-110.22	-2,062.80	-5,601.38	5,969.80	5,963.02	6.78	880.588		
400.00	399.84	384.84	384.84	3.59	3.39	112.55	-2,062.80	-5,601.38	5,971.81	5,964.83	6.98	855.759		
500.00	499.45	484.45	484.45	3.80	3.45	112.56	-2,062.80	-5,601.38	5,975.16	5,967.92	7.24	825.386		
600.00	598.70	583.70	583.70	4.04	3.52	112.58	-2,062.80	-5,601.38	5,979.87	5,972.31	7.56	791.294		
700.00	697.47	682.47	682.47	4.32	3.61	112.60	-2,062.80	-5,601.38	5,985.95	5,978.02	7.93	755.082		
800.00	795.62	780.62	780.62	4.65	3.70	112.63	-2,062.80	-5,601.38	5,993.40	5,985.05	8.35	718.023		
900.00	893.06	878.06	878.06	5.01	3.80	112.66	-2,062.80	-5,601.38	6,002.26	5,993.44	8.81	681.061		
1,000.00	989.64	1,595.66	1,595.10	5.42	4.96	114.22	-2,056.68	-5,593.12	6,034.71	6,024.34	10.37	581.935		
1,044.50	1,032.32	1,638.24	1,637.44	5.61	5.10	114.33	-2,053.96	-5,589.44	6,035.34	6,024.64	10.70	564.220		
1,100.00	1,085.43	1,708.78	1,690.11	5.86	5.34	114.47	-2,050.56	-5,584.85	6,036.34	6,025.16	11.18	540.027		
1,200.00	1,181.11	1,786.69	1,785.03	6.33	5.63	114.74	-2,044.45	-5,576.59	6,038.26	6,026.35	11.91	507.128		
1,300.00	1,276.80	1,882.16	1,879.95	6.81	5.99	115.01	-2,038.33	-5,568.33	6,040.33	6,027.60	12.72	474.684		
1,400.00	1,372.49	1,977.63	1,974.86	7.31	6.37	115.28	-2,032.22	-5,560.08	6,042.54	6,028.97	13.57	445.261		
1,500.00	1,468.17	2,073.10	2,069.78	7.83	6.75	115.55	-2,026.10	-5,551.82	6,044.90	6,030.46	14.44	418.717		
1,600.00	1,563.86	2,168.57	2,164.69	8.35	7.15	115.82	-2,019.99	-5,543.56	6,047.40	6,032.08	15.32	394.744		
1,700.00	1,659.55	2,264.04	2,259.61	8.88	7.56	116.09	-2,013.87	-5,535.30	6,050.05	6,033.84	16.22	373.064		
1,800.00	1,755.23	2,359.51	2,354.52	9.42	7.97	116.35	-2,007.76	-5,527.04	6,052.85	6,035.72	17.13	353.419		
1,900.00	1,850.92	2,454.98	2,449.44	9.97	8.39	116.62	-2,001.65	-5,518.78	6,055.79	6,037.74	18.05	335.575		
2,000.00	1,946.61	2,550.45	2,544.35	10.52	8.81	116.89	-1,995.53	-5,510.52	6,058.87	6,039.90	18.97	319.324		
2,100.00	2,042.29	2,645.92	2,639.27	11.07	9.23	117.16	-1,989.42	-5,502.27	6,062.10	6,042.19	19.91	304.485		
2,200.00	2,137.98	2,741.39	2,734.18	11.63	9.66	117.42	-1,983.30	-5,494.01	6,065.48	6,044.62	20.85	290.897		
2,300.00	2,233.67	2,836.86	2,829.10	12.19	10.10	117.69	-1,977.19	-5,485.75	6,068.99	6,047.19	21.80	278.420		
2,400.00	2,329.35	2,932.33	2,924.02	12.76	10.53	117.96	-1,971.07	-5,477.49	6,072.65	6,049.90	22.75	266.935		
2,500.00	2,425.04	3,027.81	3,018.93	13.32	10.97	118.22	-1,964.96	-5,469.23	6,076.46	6,052.75	23.71	256.333		
2,600.00	2,520.72	3,123.28	3,113.85	13.89	11.41	118.49	-1,958.84	-5,460.97	6,080.41	6,055.74	24.66	246.525		
2,700.00	2,616.41	3,218.75	3,208.76	14.46	11.86	118.76	-1,952.73	-5,452.71	6,084.50	6,058.87	25.63	237.427		
2,800.00	2,712.10	3,314.22	3,303.68	15.03	12.30	119.02	-1,946.61	-5,444.45	6,088.73	6,062.14	26.59	228.971		
2,900.00	2,807.78	3,409.69	3,398.59	15.60	12.75	119.29	-1,940.50	-5,436.20	6,093.11	6,065.55	27.56	221.093		
3,000.00	2,903.47	3,505.16	3,493.51	16.18	13.20	119.55	-1,934.38	-5,427.94	6,097.62	6,069.10	28.53	213.739		
3,100.00	2,999.16	3,600.63	3,588.42	16.75	13.64	119.81	-1,928.27	-5,419.68	6,102.28	6,072.78	29.50	206.860		
3,200.00	3,094.84	3,696.10	3,683.34	17.33	14.09	120.08	-1,922.15	-5,411.42	6,107.08	6,076.61	30.47	200.414		
3,300.00	3,190.53	3,791.57	3,778.25	17.90	14.62	120.34	-1,916.04	-5,403.16	6,112.03	6,080.51	31.52	193.905		
3,400.00	3,286.22	3,887.04	3,873.17	18.48	15.00	120.60	-1,909.93	-5,394.90	6,117.11	6,084.69	32.42	188.672		
3,500.00	3,381.90	3,982.51	3,968.09	19.06	15.45	120.87	-1,903.81	-5,386.64	6,122.33	6,088.93	33.40	183.312		
3,600.00	3,477.59	4,077.98	4,063.00	19.64	15.90	121.13	-1,897.70	-5,378.39	6,127.70	6,093.32	34.38	178.256		
3,700.00	3,573.28	4,173.45	4,157.92	20.22	16.36	121.39	-1,891.58	-5,370.13	6,133.20	6,097.84	35.35	173.479		
3,800.00	3,668.96	4,268.92	4,252.83	20.80	16.81	121.65	-1,885.47	-5,361.87	6,138.84	6,102.51	36.33	168.960		
3,900.00	3,764.65	4,364.39	4,347.75	21.38	17.27	121.91	-1,879.35	-5,353.61	6,144.62	6,107.31	37.31	164.679		
4,000.00	3,860.33	4,459.86	4,442.66	21.96	17.72	122.17	-1,873.24	-5,345.35	6,150.54	6,112.25	38.29	160.619		
4,100.00	3,956.02	4,555.33	4,537.58	22.54	18.18	122.43	-1,867.12	-5,337.09	6,156.60	6,117.33	39.27	156.763		
4,200.00	4,051.71	4,650.80	4,632.49	23.13	18.64	122.69	-1,861.01	-5,328.83	6,162.80	6,122.54	40.25	153.097		
4,300.00	4,147.39	4,746.27	4,727.41	23.71	19.09	122.95	-1,854.89	-5,320.57	6,169.13	6,127.89	41.24	149.608		
4,400.00	4,243.08	4,841.74	4,822.32	24.29	19.55	123.21	-1,848.78	-5,312.32	6,175.60	6,133.38	42.22	146.283		
4,500.00	4,338.77	4,937.21	4,917.24	24.88	20.01	123.47	-1,842.66	-5,304.06	6,182.21	6,139.01	43.20	143.111		
4,600.00	4,434.45	5,032.68	5,012.16	25.46	20.47	123.72	-1,836.55	-5,295.80	6,188.95	6,144.77	44.18	140.084		
4,700.00	4,530.14	5,128.15	5,107.07	26.04	20.93	123.98	-1,830.43	-5,287.54	6,195.83	6,150.66	45.16	137.190		
4,800.00	4,625.83	5,223.62	5,201.99	26.63	21.39	124.24	-1,824.32	-5,279.28	6,202.84	6,156.69	46.14	134.423		
4,900.00	4,721.51	5,319.09	5,296.90	27.21	21.85	124.49	-1,818.21	-5,271.02	6,209.99	6,162.86	47.13	131.773		
5,000.00	4,817.20	5,414.56	5,391.82	27.80	22.31	124.75	-1,812.09	-5,262.76	6,217.27	6,169.16	48.11	129.235		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	5,510.03	5,486.73	28.38	22.77	125.00	-1,805.98	-5,254.51	6,224.68	6,175.59	49.09	126.801		
5,200.00	5,008.57	5,605.50	5,581.65	28.97	23.23	125.26	-1,799.86	-5,246.25	6,232.23	6,182.16	50.07	124.465		
5,300.00	5,104.26	5,700.97	5,676.56	29.55	23.69	125.51	-1,793.75	-5,237.99	6,239.91	6,188.86	51.05	122.222		
5,400.00	5,199.94	5,743.81	5,719.18	30.14	23.89	125.63	-1,791.08	-5,234.39	6,248.07	6,196.28	51.79	120.639		
5,500.00	5,295.63	5,800.00	5,775.14	30.72	24.16	125.77	-1,788.13	-5,230.40	6,257.42	6,204.83	52.59	118.994		
5,600.00	5,391.32	5,800.00	5,775.14	31.31	24.16	125.77	-1,788.13	-5,230.40	6,267.62	6,214.51	53.11	118.014		
5,700.00	5,487.00	5,842.75	5,817.78	31.90	24.35	125.88	-1,786.32	-5,227.96	6,278.97	6,225.15	53.82	116.657		
5,800.00	5,582.69	5,900.00	5,874.95	32.48	24.60	126.01	-1,784.50	-5,225.49	6,291.55	6,236.95	54.61	115.219		
5,900.00	5,678.38	5,900.00	5,874.95	33.07	24.60	126.01	-1,784.50	-5,225.49	6,304.94	6,249.84	55.10	114.430		
6,000.00	5,774.06	5,941.89	5,916.81	33.65	24.78	126.11	-1,783.59	-5,224.27	6,319.48	6,263.69	55.79	113.279		
6,100.00	5,869.75	6,000.00	5,974.91	34.24	25.02	126.24	-1,782.94	-5,223.39	6,335.22	6,278.67	56.55	112.026		
6,200.00	5,965.44	6,007.99	5,982.90	34.83	25.05	126.26	-1,782.90	-5,223.34	6,351.72	6,294.67	57.05	111.327		
6,300.00	6,061.12	6,071.21	6,046.12	35.41	25.30	126.39	-1,782.87	-5,223.30	6,369.28	6,311.45	57.83	110.141		
6,400.00	6,156.81	6,166.90	6,141.81	36.00	25.69	126.60	-1,782.87	-5,223.30	6,387.05	6,328.29	58.77	108.686		
6,500.00	6,252.50	6,262.59	6,237.50	36.59	26.07	126.80	-1,782.87	-5,223.30	6,404.91	6,345.21	59.70	107.280		
6,600.00	6,348.18	6,358.27	6,333.18	37.18	26.45	127.00	-1,782.87	-5,223.30	6,422.84	6,362.21	60.64	105.919		
6,636.04	6,382.67	6,392.76	6,367.67	37.39	26.59	127.07	-1,782.87	-5,223.30	6,429.33	6,368.35	60.98	105.440		
6,650.00	6,396.05	6,389.35	6,364.25	37.47	26.57	123.80	-1,783.31	-5,223.30	6,431.75	6,370.73	61.01	105.413		
6,700.00	6,444.38	6,419.01	6,393.87	37.74	26.67	109.29	-1,784.88	-5,223.30	6,437.94	6,376.58	61.36	104.920		
6,750.00	6,493.07	6,449.24	6,423.97	37.98	26.77	90.69	-1,787.67	-5,223.30	6,440.39	6,378.71	61.68	104.411		
6,800.00	6,541.82	6,479.79	6,454.25	38.18	26.87	71.09	-1,791.70	-5,223.30	6,439.07	6,377.09	61.98	103.890		
6,850.00	6,590.35	6,500.00	6,474.19	38.35	26.94	54.50	-1,795.02	-5,223.30	6,434.01	6,371.82	62.20	103.448		
6,900.00	6,638.34	6,540.68	6,514.00	38.50	27.05	42.30	-1,803.31	-5,223.30	6,425.19	6,362.73	62.46	102.864		
6,950.00	6,685.50	6,570.45	6,542.84	38.64	27.14	33.68	-1,810.72	-5,223.30	6,412.70	6,350.05	62.66	102.346		
7,000.00	6,731.54	6,600.00	6,571.15	38.77	27.23	27.52	-1,819.17	-5,223.30	6,396.60	6,333.77	62.83	101.812		
7,050.00	6,776.18	6,627.35	6,597.05	38.90	27.29	22.97	-1,827.96	-5,223.31	6,376.97	6,314.01	62.96	101.283		
7,100.00	6,819.14	6,654.00	6,621.97	39.03	27.36	19.49	-1,837.42	-5,223.31	6,353.93	6,290.86	63.08	100.733		
7,150.00	6,860.16	6,679.20	6,645.20	39.16	27.42	16.72	-1,847.15	-5,223.31	6,327.62	6,264.45	63.17	100.165		
7,200.00	6,898.98	6,700.00	6,664.14	39.31	27.47	14.44	-1,855.77	-5,223.31	6,298.17	6,234.94	63.24	99.595		
7,250.00	6,935.36	6,724.59	6,686.21	39.47	27.52	12.47	-1,866.60	-5,223.31	6,265.76	6,202.46	63.31	98.972		
7,300.00	6,969.08	6,744.56	6,703.87	39.65	27.56	10.72	-1,875.52	-5,223.31	6,230.58	6,167.23	63.35	98.347		
7,350.00	6,999.94	6,762.59	6,719.60	39.85	27.59	9.07	-1,884.74	-5,223.31	6,192.82	6,129.43	63.39	97.700		
7,400.00	7,027.74	6,778.65	6,733.43	40.08	27.63	7.42	-1,892.89	-5,223.32	6,152.69	6,089.28	63.41	97.032		
7,450.00	7,052.31	6,800.00	6,751.55	40.34	27.67	5.61	-1,904.19	-5,223.32	6,110.44	6,046.98	63.46	96.295		
7,500.00	7,073.49	6,800.00	6,751.55	40.63	27.67	3.72	-1,904.19	-5,223.32	6,066.28	6,002.87	63.41	95.667		
7,550.00	7,091.17	6,800.00	6,751.55	40.95	27.67	1.36	-1,904.19	-5,223.32	6,020.52	5,957.15	63.37	95.009		
7,600.00	7,105.22	6,822.47	6,770.27	41.31	27.71	-2.33	-1,916.61	-5,223.32	5,973.33	5,909.89	63.44	94.159		
7,650.00	7,115.57	6,828.26	6,775.04	41.71	27.72	-7.84	-1,919.91	-5,223.32	5,925.07	5,861.63	63.44	93.397		
7,700.00	7,122.15	6,831.99	6,778.09	42.15	27.72	-18.18	-1,922.04	-5,223.32	5,875.99	5,812.55	63.44	92.623		
7,750.00	7,124.91	6,833.64	6,779.45	42.62	27.72	-42.22	-1,923.00	-5,223.32	5,826.40	5,762.96	63.44	91.837		
7,759.54	7,125.00	6,833.73	6,779.51	42.72	27.72	-49.87	-1,923.04	-5,223.32	5,816.91	5,753.46	63.44	91.685		
7,800.00	7,125.10	6,833.91	6,779.66	43.13	27.72	-49.89	-1,923.15	-5,223.32	5,776.62	5,713.17	63.45	91.045		
7,900.00	7,125.34	6,834.35	6,780.02	44.28	27.72	-49.94	-1,923.41	-5,223.32	5,677.05	5,613.60	63.46	89.463		
8,000.00	7,125.58	6,834.80	6,780.39	45.61	27.73	-49.98	-1,923.66	-5,223.32	5,577.51	5,514.04	63.47	87.877		
8,100.00	7,125.82	6,835.25	6,780.76	47.10	27.73	-50.03	-1,923.92	-5,223.32	5,477.97	5,414.49	63.49	86.287		
8,200.00	7,126.06	6,835.70	6,781.12	48.72	27.73	-50.08	-1,924.18	-5,223.32	5,378.46	5,314.95	63.50	84.694		
8,300.00	7,126.30	6,836.15	6,781.49	50.48	27.73	-50.13	-1,924.45	-5,223.32	5,278.96	5,215.43	63.53	83.097		
8,400.00	7,126.54	6,836.60	6,781.86	52.34	27.73	-50.18	-1,924.71	-5,223.32	5,179.49	5,115.93	63.55	81.497		
8,500.00	7,126.78	6,837.05	6,782.22	54.30	27.73	-50.22	-1,924.97	-5,223.32	5,080.03	5,016.44	63.59	79.893		
8,600.00	7,127.02	6,837.50	6,782.59	56.35	27.73	-50.27	-1,925.23	-5,223.32	4,980.59	4,916.97	63.62	78.285		
8,700.00	7,127.26	6,837.96	6,782.96	58.47	27.73	-50.32	-1,925.49	-5,223.32	4,881.18	4,817.52	63.66	76.674		
8,800.00	7,127.50	6,838.41	6,783.33	60.66	27.73	-50.37	-1,925.76	-5,223.32	4,781.79	4,718.09	63.71	75.058		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	6,838.86	6,783.69	62.90	27.73	-50.42	-1,926.02	-5,223.32	4,682.43	4,618.67	63.76	73.439		
9,000.00	7,127.98	6,839.31	6,784.06	65.19	27.73	-50.47	-1,926.29	-5,223.32	4,583.10	4,519.28	63.82	71.816		
9,100.00	7,128.22	6,839.77	6,784.43	67.53	27.73	-50.51	-1,926.55	-5,223.32	4,483.80	4,419.91	63.88	70.188		
9,200.00	7,128.46	6,840.22	6,784.80	69.92	27.73	-50.56	-1,926.81	-5,223.32	4,384.52	4,320.57	63.96	68.556		
9,300.00	7,128.70	6,840.68	6,785.17	72.33	27.74	-50.61	-1,927.08	-5,223.32	4,285.28	4,221.25	64.04	66.919		
9,400.00	7,128.94	6,841.13	6,785.54	74.78	27.74	-50.66	-1,927.35	-5,223.32	4,186.08	4,121.96	64.13	65.278		
9,500.00	7,129.18	6,841.59	6,785.91	77.26	27.74	-50.71	-1,927.61	-5,223.32	4,086.92	4,022.69	64.23	63.633		
9,600.00	7,129.42	6,842.04	6,786.28	79.76	27.74	-50.76	-1,927.88	-5,223.32	3,987.80	3,923.46	64.34	61.982		
9,700.00	7,129.66	6,842.50	6,786.65	82.29	27.74	-50.81	-1,928.15	-5,223.32	3,888.72	3,824.26	64.46	60.326		
9,800.00	7,129.90	6,842.96	6,787.02	84.84	27.74	-50.86	-1,928.42	-5,223.32	3,789.69	3,725.09	64.60	58.665		
9,900.00	7,130.14	6,843.41	6,787.39	87.41	27.74	-50.91	-1,928.69	-5,223.32	3,690.71	3,625.96	64.75	56.999		
10,000.00	7,130.38	6,843.87	6,787.76	90.00	27.74	-50.95	-1,928.95	-5,223.32	3,591.79	3,526.87	64.92	55.327		
10,100.00	7,130.62	6,844.33	6,788.13	92.60	27.74	-51.00	-1,929.22	-5,223.32	3,492.93	3,427.83	65.11	53.649		
10,200.00	7,130.86	6,844.79	6,788.50	95.22	27.74	-51.05	-1,929.49	-5,223.32	3,394.14	3,328.83	65.32	51.965		
10,300.00	7,131.09	6,845.25	6,788.87	97.85	27.74	-51.10	-1,929.77	-5,223.32	3,295.42	3,229.87	65.55	50.275		
10,400.00	7,131.33	6,845.71	6,789.24	100.50	27.74	-51.15	-1,930.04	-5,223.32	3,196.78	3,130.98	65.81	48.578		
10,500.00	7,131.57	6,846.17	6,789.61	103.16	27.74	-51.20	-1,930.31	-5,223.32	3,098.23	3,032.13	66.10	46.875		
10,600.00	7,131.81	6,846.63	6,789.98	105.82	27.74	-51.25	-1,930.58	-5,223.32	2,999.77	2,933.36	66.42	45.166		
10,700.00	7,132.05	6,847.09	6,790.36	108.50	27.75	-51.30	-1,930.85	-5,223.32	2,901.42	2,834.64	66.78	43.449		
10,800.00	7,132.29	6,847.55	6,790.73	111.19	27.75	-51.35	-1,931.13	-5,223.32	2,803.19	2,736.01	67.18	41.726		
10,900.00	7,132.53	6,848.01	6,791.10	113.88	27.75	-51.40	-1,931.40	-5,223.32	2,705.08	2,637.45	67.63	39.996		
11,000.00	7,132.77	6,848.48	6,791.47	116.58	27.75	-51.45	-1,931.67	-5,223.32	2,607.12	2,538.98	68.14	38.260		
11,100.00	7,133.01	6,848.94	6,791.85	119.29	27.75	-51.50	-1,931.95	-5,223.32	2,509.32	2,440.60	68.72	36.517		
11,200.00	7,133.25	6,849.40	6,792.22	122.01	27.75	-51.55	-1,932.22	-5,223.32	2,411.70	2,342.33	69.36	34.769		
11,300.00	7,133.49	6,849.87	6,792.59	124.73	27.75	-51.60	-1,932.50	-5,223.32	2,314.28	2,244.18	70.10	33.015		
11,400.00	7,133.73	6,850.33	6,792.97	127.46	27.75	-51.65	-1,932.78	-5,223.32	2,217.09	2,146.16	70.93	31.258		
11,500.00	7,133.97	6,850.80	6,793.34	130.19	27.75	-51.70	-1,933.05	-5,223.32	2,120.16	2,048.29	71.87	29.498		
11,600.00	7,134.21	6,851.26	6,793.71	132.93	27.75	-51.75	-1,933.33	-5,223.32	2,023.53	1,950.58	72.95	27.738		
11,700.00	7,134.45	6,851.73	6,794.09	135.68	27.75	-51.80	-1,933.61	-5,223.32	1,927.25	1,853.06	74.19	25.979		
11,800.00	7,134.69	6,852.20	6,794.46	138.43	27.75	-51.85	-1,933.89	-5,223.32	1,831.36	1,755.76	75.60	24.225		
11,900.00	7,134.93	6,852.66	6,794.84	141.18	27.75	-51.90	-1,934.17	-5,223.32	1,735.94	1,658.71	77.23	22.479		
12,000.00	7,135.17	6,853.13	6,795.21	143.94	27.76	-51.95	-1,934.44	-5,223.32	1,641.06	1,561.96	79.10	20.746		
12,100.00	7,135.41	6,853.60	6,795.59	146.70	27.76	-52.00	-1,934.72	-5,223.32	1,546.83	1,465.55	81.28	19.032		
12,200.00	7,135.65	6,854.07	6,795.96	149.46	27.76	-52.05	-1,935.00	-5,223.32	1,453.37	1,369.57	83.80	17.343		
12,300.00	7,135.89	6,854.53	6,796.34	152.23	27.76	-52.10	-1,935.29	-5,223.32	1,360.84	1,274.10	86.74	15.688		
12,400.00	7,136.13	6,855.00	6,796.71	155.00	27.76	-52.15	-1,935.57	-5,223.32	1,269.44	1,179.26	90.18	14.077		
12,500.00	7,136.37	6,855.47	6,797.09	157.78	27.76	-52.20	-1,935.85	-5,223.32	1,179.44	1,085.22	94.21	12.519		
12,600.00	7,136.61	6,855.94	6,797.46	160.55	27.76	-52.25	-1,936.13	-5,223.32	1,091.18	992.22	98.95	11.027		
12,700.00	7,136.85	6,856.42	6,797.84	163.33	27.76	-52.30	-1,936.41	-5,223.32	1,005.12	900.59	104.53	9.616		
12,800.00	7,137.09	6,856.89	6,798.22	166.12	27.76	-52.35	-1,936.70	-5,223.32	921.87	810.79	111.08	8.299		
12,900.00	7,137.33	6,857.36	6,798.59	168.90	27.76	-52.40	-1,936.98	-5,223.32	842.28	723.53	118.75	7.093		
13,000.00	7,137.57	6,857.83	6,798.97	171.69	27.76	-52.45	-1,937.27	-5,223.32	767.49	639.86	127.63	6.013		
13,100.00	7,137.81	6,858.30	6,799.35	174.48	27.76	-52.50	-1,937.55	-5,223.32	699.02	561.33	137.68	5.077		
13,200.00	7,138.05	6,858.78	6,799.72	177.27	27.76	-52.55	-1,937.84	-5,223.32	638.92	490.29	148.63	4.299		
13,300.00	7,138.29	6,859.25	6,800.10	180.07	27.77	-52.61	-1,938.12	-5,223.32	589.75	430.03	159.72	3.692		
13,400.00	7,138.53	6,859.72	6,800.48	182.86	27.77	-52.66	-1,938.41	-5,223.32	554.43	384.77	169.66	3.268		
13,500.00	7,138.77	6,860.20	6,800.86	185.66	27.77	-52.71	-1,938.70	-5,223.32	535.70	358.98	176.72	3.031		
13,552.07	7,138.89	6,860.45	6,801.05	187.12	27.77	-52.73	-1,938.85	-5,223.32	533.17	354.42	178.75	2.983 CC, ES		
13,600.00	7,139.01	6,860.67	6,801.24	188.46	27.77	-52.76	-1,938.99	-5,223.32	535.32	355.84	179.48	2.983 SF		
13,700.00	7,139.25	6,861.15	6,801.61	191.26	27.77	-52.81	-1,939.27	-5,223.32	553.31	375.75	177.56	3.116		
13,800.00	7,139.49	6,861.63	6,801.99	194.06	27.77	-52.86	-1,939.56	-5,223.32	587.99	416.10	171.89	3.421		
13,900.00	7,139.73	6,862.10	6,802.37	196.87	27.77	-52.91	-1,939.85	-5,223.32	636.65	472.62	164.02	3.881		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	6,862.58	6,802.75	199.68	27.77	-52.96	-1,940.14	-5,223.32	696.35	540.97	155.38	4.482		
14,100.00	7,140.21	6,863.06	6,803.13	202.48	27.77	-53.01	-1,940.43	-5,223.32	764.52	617.62	146.89	5.205		
14,200.00	7,140.45	6,863.54	6,803.51	205.29	27.77	-53.07	-1,940.72	-5,223.32	839.09	700.04	139.05	6.034		
14,300.00	7,140.69	6,864.01	6,803.89	208.10	27.77	-53.12	-1,941.01	-5,223.32	918.50	786.46	132.04	6.956		
14,400.00	7,140.93	6,864.49	6,804.27	210.91	27.77	-53.17	-1,941.31	-5,223.32	1,001.61	875.74	125.87	7.957		
14,500.00	7,141.17	6,864.97	6,804.65	213.73	27.78	-53.22	-1,941.60	-5,223.32	1,087.57	967.08	120.49	9.026		
14,600.00	7,141.41	6,865.45	6,805.03	216.54	27.78	-53.27	-1,941.89	-5,223.32	1,175.75	1,059.95	115.80	10.153		
14,700.00	7,141.65	6,865.93	6,805.41	219.36	27.78	-53.32	-1,942.19	-5,223.32	1,265.69	1,153.97	111.72	11.329		
14,800.00	7,141.89	6,866.41	6,805.79	222.17	27.78	-53.38	-1,942.48	-5,223.32	1,357.04	1,248.88	108.15	12.547		
14,900.00	7,142.13	6,866.90	6,806.17	224.99	27.78	-53.43	-1,942.77	-5,223.32	1,449.52	1,344.49	105.03	13.801		
15,000.00	7,142.36	6,867.38	6,806.55	227.81	27.78	-53.48	-1,943.07	-5,223.32	1,542.95	1,440.66	102.29	15.084		
15,100.00	7,142.60	6,867.86	6,806.93	230.63	27.78	-53.53	-1,943.37	-5,223.32	1,637.15	1,537.28	99.87	16.392		
15,200.00	7,142.84	6,868.34	6,807.31	233.45	27.78	-53.58	-1,943.66	-5,223.32	1,732.01	1,634.27	97.73	17.722		
15,300.00	7,143.08	6,868.83	6,807.70	236.27	27.78	-53.63	-1,943.96	-5,223.32	1,827.41	1,731.58	95.83	19.069		
15,400.00	7,143.32	6,869.31	6,808.08	239.09	27.78	-53.69	-1,944.26	-5,223.32	1,923.28	1,829.14	94.13	20.432		
15,500.00	7,143.56	6,869.80	6,808.46	241.91	27.78	-53.74	-1,944.55	-5,223.32	2,019.55	1,926.93	92.61	21.806		
15,600.00	7,143.80	6,870.28	6,808.84	244.73	27.78	-53.79	-1,944.85	-5,223.32	2,116.16	2,024.91	91.25	23.191		
15,700.00	7,144.04	6,870.77	6,809.23	247.56	27.79	-53.84	-1,945.15	-5,223.32	2,213.08	2,123.05	90.02	24.584		
15,800.00	7,144.28	6,871.25	6,809.61	250.38	27.79	-53.90	-1,945.45	-5,223.32	2,310.25	2,221.34	88.91	25.983		
15,900.00	7,144.52	6,871.74	6,809.99	253.21	27.79	-53.95	-1,945.75	-5,223.32	2,407.66	2,319.75	87.91	27.388		
16,000.00	7,144.76	6,872.23	6,810.37	256.03	27.79	-54.00	-1,946.05	-5,223.32	2,505.28	2,418.28	87.00	28.797		
16,100.00	7,145.00	6,872.71	6,810.76	258.86	27.79	-54.05	-1,946.35	-5,223.32	2,603.07	2,516.90	86.17	30.209		
16,200.00	7,145.24	6,873.20	6,811.14	261.69	27.79	-54.10	-1,946.65	-5,223.32	2,701.03	2,615.61	85.41	31.623		
16,300.00	7,145.48	6,873.69	6,811.52	264.52	27.79	-54.16	-1,946.96	-5,223.32	2,799.13	2,714.40	84.72	33.038		
16,400.00	7,145.72	6,874.18	6,811.91	267.35	27.79	-54.21	-1,947.26	-5,223.32	2,897.36	2,813.26	84.09	34.454		
16,500.00	7,145.96	6,874.67	6,812.29	270.18	27.79	-54.26	-1,947.56	-5,223.32	2,995.70	2,912.19	83.52	35.870		
16,600.00	7,146.20	6,875.16	6,812.68	273.01	27.79	-54.31	-1,947.87	-5,223.32	3,094.16	3,011.17	82.98	37.286		
16,700.00	7,146.44	6,875.65	6,813.06	275.84	27.79	-54.37	-1,948.17	-5,223.32	3,192.70	3,110.21	82.50	38.701		
16,800.00	7,146.68	6,876.14	6,813.45	278.67	27.79	-54.42	-1,948.48	-5,223.32	3,291.34	3,209.29	82.05	40.114		
16,900.00	7,146.92	6,876.63	6,813.83	281.50	27.80	-54.47	-1,948.78	-5,223.32	3,390.06	3,308.42	81.64	41.526		
17,000.00	7,147.16	6,877.12	6,814.21	284.33	27.80	-54.53	-1,949.09	-5,223.32	3,488.85	3,407.59	81.26	42.936		
17,100.00	7,147.40	6,877.62	6,814.60	287.16	27.80	-54.58	-1,949.40	-5,223.32	3,587.70	3,506.79	80.91	44.343		
17,200.00	7,147.64	6,878.11	6,814.99	290.00	27.80	-54.63	-1,949.70	-5,223.32	3,686.62	3,606.04	80.58	45.749		
17,300.00	7,147.88	6,878.60	6,815.37	292.83	27.80	-54.68	-1,950.01	-5,223.33	3,785.59	3,705.31	80.29	47.151		
17,400.00	7,148.12	6,879.10	6,815.76	295.66	27.80	-54.74	-1,950.32	-5,223.33	3,884.62	3,804.61	80.01	48.551		
17,500.00	7,148.36	6,879.59	6,816.14	298.50	27.80	-54.79	-1,950.63	-5,223.33	3,983.70	3,903.94	79.76	49.948		
17,600.00	7,148.60	6,880.08	6,816.53	301.33	27.80	-54.84	-1,950.94	-5,223.33	4,082.82	4,003.29	79.52	51.341		
17,700.00	7,148.84	6,880.58	6,816.92	304.17	27.80	-54.90	-1,951.25	-5,223.33	4,181.98	4,102.67	79.31	52.731		
17,800.00	7,149.08	6,881.08	6,817.30	307.00	27.80	-54.95	-1,951.56	-5,223.33	4,281.18	4,202.07	79.11	54.118		
17,900.00	7,149.32	6,881.57	6,817.69	309.84	27.80	-55.00	-1,951.87	-5,223.33	4,380.42	4,301.49	78.92	55.501		
18,000.00	7,149.56	6,882.07	6,818.08	312.68	27.80	-55.06	-1,952.18	-5,223.33	4,479.69	4,400.93	78.76	56.881		
18,100.00	7,149.80	6,882.57	6,818.46	315.51	27.81	-55.11	-1,952.49	-5,223.33	4,578.99	4,500.39	78.60	58.257		
18,200.00	7,150.04	6,883.07	6,818.85	318.35	27.81	-55.16	-1,952.81	-5,223.33	4,678.32	4,599.87	78.46	59.629		
18,300.00	7,150.28	6,883.56	6,819.24	321.19	27.81	-55.21	-1,953.12	-5,223.33	4,777.68	4,699.36	78.33	60.997		
18,400.00	7,150.52	6,884.06	6,819.63	324.03	27.81	-55.27	-1,953.44	-5,223.33	4,877.07	4,798.86	78.21	62.362		
18,500.00	7,150.76	6,884.56	6,820.01	326.86	27.81	-55.32	-1,953.75	-5,223.33	4,976.48	4,898.38	78.10	63.722		
18,600.00	7,151.00	6,885.06	6,820.40	329.70	27.81	-55.38	-1,954.07	-5,223.33	5,075.91	4,997.92	78.00	65.078		
18,700.00	7,151.24	6,885.56	6,820.79	332.54	27.81	-55.43	-1,954.38	-5,223.33	5,175.37	5,097.46	77.91	66.431		
18,800.00	7,151.48	6,886.06	6,821.18	335.38	27.81	-55.48	-1,954.70	-5,223.33	5,274.84	5,197.02	77.82	67.779		
18,900.00	7,151.72	6,900.00	6,831.90	338.22	27.84	-56.97	-1,963.60	-5,223.33	5,374.37	5,296.39	77.98	68.920		
19,000.00	7,151.96	6,900.00	6,831.90	341.06	27.84	-56.97	-1,963.60	-5,223.33	5,473.88	5,395.98	77.90	70.267		
19,018.30	7,152.00	6,900.00	6,831.90	341.58	27.84	-56.97	-1,963.60	-5,223.33	5,492.09	5,414.20	77.89	70.513		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.12	-2,062.79	-5,631.97	5,997.85					
100.00	100.00	85.00	85.00	3.28	3.29	-110.12	-2,062.79	-5,631.97	5,997.85	5,991.28	6.57	912.914		
200.00	200.00	185.00	185.00	3.34	3.31	-110.12	-2,062.79	-5,631.97	5,997.85	5,991.21	6.64	903.009		
300.00	299.98	284.98	284.98	3.44	3.34	-112.64	-2,062.79	-5,631.97	5,998.52	5,991.74	6.78	884.824		
400.00	399.84	384.84	384.84	3.59	3.39	-112.65	-2,062.79	-5,631.97	6,000.54	5,993.56	6.98	859.875		
500.00	499.45	484.45	484.45	3.80	3.45	-112.66	-2,062.79	-5,631.97	6,003.91	5,996.67	7.24	829.355		
600.00	598.70	583.70	583.70	4.04	3.52	-112.68	-2,062.79	-5,631.97	6,008.63	6,001.08	7.56	795.098		
700.00	697.47	682.47	682.47	4.32	3.61	-112.70	-2,062.79	-5,631.97	6,014.73	6,006.81	7.93	758.712		
800.00	795.62	780.62	780.62	4.65	3.70	-112.73	-2,062.79	-5,631.97	6,022.22	6,013.87	8.35	721.476		
900.00	893.06	878.06	878.06	5.01	3.80	-112.76	-2,062.79	-5,631.97	6,031.11	6,022.30	8.81	684.337		
1,000.00	989.64	974.64	974.64	5.42	3.92	-112.79	-2,062.79	-5,631.97	6,041.43	6,032.10	9.32	647.954		
1,044.50	1,032.32	1,017.32	1,017.32	5.61	3.97	-112.80	-2,062.79	-5,631.97	6,046.48	6,036.92	9.57	632.141		
1,100.00	1,085.43	1,070.43	1,070.43	5.86	4.03	-112.93	-2,062.79	-5,631.97	6,052.99	6,043.11	9.88	612.959		
1,200.00	1,181.11	1,166.11	1,166.11	6.33	4.16	-113.18	-2,062.79	-5,631.97	6,064.79	6,054.34	10.46	579.985		
1,300.00	1,276.80	1,261.80	1,261.80	6.81	4.29	-113.42	-2,062.79	-5,631.97	6,076.72	6,065.65	11.06	549.272		
1,400.00	1,372.49	1,357.49	1,357.49	7.31	4.43	-113.66	-2,062.79	-5,631.97	6,088.76	6,077.07	11.69	520.853		
1,500.00	1,468.17	1,453.17	1,453.17	7.83	4.57	-113.90	-2,062.79	-5,631.97	6,100.91	6,088.58	12.33	494.653		
1,600.00	1,563.86	1,548.86	1,548.86	8.35	4.72	-114.14	-2,062.79	-5,631.97	6,113.18	6,100.19	12.99	470.545		
1,700.00	1,659.55	1,644.55	1,644.55	8.88	4.88	-114.38	-2,062.79	-5,631.97	6,125.56	6,111.90	13.66	448.373		
1,800.00	1,755.23	1,740.23	1,740.23	9.42	5.03	-114.62	-2,062.79	-5,631.97	6,138.05	6,123.71	14.34	427.975		
1,900.00	1,850.92	1,835.92	1,835.92	9.97	5.19	-114.86	-2,062.79	-5,631.97	6,150.66	6,135.63	15.03	409.192		
2,000.00	1,946.61	1,931.61	1,931.61	10.52	5.36	-115.09	-2,062.79	-5,631.97	6,163.37	6,147.65	15.73	391.874		
2,100.00	2,042.29	2,035.10	2,035.10	11.07	5.60	-115.35	-2,062.58	-5,632.01	6,176.18	6,159.68	16.51	374.131		
2,200.00	2,137.98	2,156.28	2,156.20	11.63	6.04	-115.68	-2,058.60	-5,632.75	6,188.81	6,171.32	17.49	353.893		
2,300.00	2,233.67	2,274.30	2,273.89	12.19	6.49	-116.05	-2,049.89	-5,634.36	6,201.20	6,182.73	18.47	335.703		
2,400.00	2,329.35	2,367.98	2,367.12	12.76	6.85	-116.36	-2,040.96	-5,636.02	6,213.59	6,194.21	19.38	320.674		
2,500.00	2,425.04	2,460.83	2,459.53	13.32	7.21	-116.66	-2,032.10	-5,637.66	6,226.17	6,205.89	20.29	306.886		
2,600.00	2,520.72	2,553.68	2,551.94	13.89	7.59	-116.96	-2,023.24	-5,639.31	6,238.95	6,217.75	21.21	294.168		
2,700.00	2,616.41	2,646.53	2,644.36	14.46	7.97	-117.26	-2,014.38	-5,640.95	6,251.93	6,229.79	22.14	282.418		
2,800.00	2,712.10	2,739.38	2,736.77	15.03	8.36	-117.57	-2,005.53	-5,642.59	6,265.10	6,242.03	23.07	271.546		
2,900.00	2,807.78	2,832.23	2,829.18	15.60	8.76	-117.86	-1,996.67	-5,644.23	6,278.46	6,254.45	24.01	261.467		
3,000.00	2,903.47	2,925.08	2,921.59	16.18	9.15	-118.16	-1,987.81	-5,645.88	6,292.01	6,267.05	24.96	252.107		
3,100.00	2,999.16	3,017.93	3,014.01	16.75	9.56	-118.46	-1,978.95	-5,647.52	6,305.75	6,279.85	25.91	243.400		
3,200.00	3,094.84	3,110.78	3,106.42	17.33	9.96	-118.76	-1,970.09	-5,649.16	6,319.68	6,292.82	26.86	235.285		
3,300.00	3,190.53	3,203.63	3,198.83	17.90	10.37	-119.05	-1,961.24	-5,650.81	6,333.80	6,305.98	27.82	227.708		
3,400.00	3,286.22	3,303.51	3,291.24	18.48	10.82	-119.34	-1,952.38	-5,652.45	6,348.10	6,319.29	28.81	220.381		
3,500.00	3,381.90	3,389.34	3,383.66	19.06	11.20	-119.64	-1,943.52	-5,654.09	6,362.59	6,332.85	29.73	213.981		
3,600.00	3,477.59	3,482.19	3,476.07	19.64	11.62	-119.93	-1,934.66	-5,655.74	6,377.26	6,346.56	30.70	207.751		
3,700.00	3,573.28	3,575.04	3,568.48	20.22	12.03	-120.22	-1,925.80	-5,657.38	6,392.11	6,360.45	31.66	201.896		
3,800.00	3,668.96	3,667.89	3,660.89	20.80	12.45	-120.51	-1,916.95	-5,659.02	6,407.14	6,374.52	32.63	196.384		
3,900.00	3,764.65	3,760.74	3,753.31	21.38	12.88	-120.79	-1,908.09	-5,660.66	6,422.35	6,388.76	33.59	191.188		
4,000.00	3,860.33	3,853.59	3,845.72	21.96	13.30	-121.08	-1,899.23	-5,662.31	6,437.74	6,403.19	34.56	186.283		
4,100.00	3,956.02	3,946.44	3,938.13	22.54	13.72	-121.36	-1,890.37	-5,663.95	6,453.31	6,417.79	35.53	181.647		
4,200.00	4,051.71	4,039.29	4,030.54	23.13	14.15	-121.65	-1,881.51	-5,665.59	6,469.05	6,432.56	36.49	177.259		
4,300.00	4,147.39	4,132.14	4,122.96	23.71	14.58	-121.93	-1,872.66	-5,667.24	6,484.97	6,447.51	37.46	173.100		
4,400.00	4,243.08	4,224.99	4,215.37	24.29	15.00	-122.21	-1,863.80	-5,668.88	6,501.06	6,462.63	38.43	169.154		
4,500.00	4,338.77	4,317.84	4,307.78	24.88	15.43	-122.49	-1,854.94	-5,670.52	6,517.33	6,477.92	39.40	165.406		
4,600.00	4,434.45	4,410.69	4,400.19	25.46	15.86	-122.77	-1,846.08	-5,672.17	6,533.76	6,493.39	40.37	161.842		
4,700.00	4,530.14	4,503.54	4,492.61	26.04	16.29	-123.05	-1,837.23	-5,673.81	6,550.36	6,509.02	41.34	158.449		
4,800.00	4,625.83	4,603.61	4,585.02	26.63	16.76	-123.33	-1,828.37	-5,675.45	6,567.13	6,524.79	42.34	155.093		
4,900.00	4,721.51	4,689.25	4,677.43	27.21	17.15	-123.60	-1,819.51	-5,677.09	6,584.07	6,540.79	43.28	152.132		
5,000.00	4,817.20	4,782.10	4,769.85	27.80	17.59	-123.88	-1,810.65	-5,678.74	6,601.17	6,556.92	44.25	149.187		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,874.95	4,862.26	28.38	18.02	124.15	-1,801.79	-5,680.38	6,618.44	6,573.22	45.22	146.373		
5,200.00	5,008.57	4,973.13	4,960.00	28.97	18.47	124.43	-1,792.67	-5,682.07	6,635.85	6,589.64	46.21	143.604		
5,300.00	5,104.26	5,082.99	5,069.63	29.55	18.97	124.72	-1,785.69	-5,683.37	6,653.25	6,606.00	47.25	140.820		
5,400.00	5,199.94	5,195.49	5,182.08	30.14	19.45	124.98	-1,782.83	-5,683.90	6,670.52	6,622.24	48.28	138.176		
5,500.00	5,295.63	5,294.04	5,280.63	30.72	19.86	125.19	-1,782.77	-5,683.91	6,687.71	6,638.49	49.23	135.852		
5,600.00	5,391.32	5,389.73	5,376.32	31.31	20.25	125.38	-1,782.77	-5,683.91	6,704.99	6,654.82	50.17	133.653		
5,700.00	5,487.00	5,485.41	5,472.00	31.90	20.65	125.58	-1,782.77	-5,683.91	6,722.35	6,671.24	51.11	131.537		
5,800.00	5,582.69	5,581.10	5,567.69	32.48	21.05	125.77	-1,782.77	-5,683.91	6,739.78	6,687.74	52.04	129.500		
5,900.00	5,678.38	5,676.79	5,663.38	33.07	21.45	125.97	-1,782.77	-5,683.91	6,757.30	6,704.32	52.98	127.537		
6,000.00	5,774.06	5,772.47	5,759.06	33.65	21.85	126.16	-1,782.77	-5,683.91	6,774.90	6,720.98	53.92	125.644		
6,100.00	5,869.75	5,868.16	5,854.75	34.24	22.25	126.35	-1,782.77	-5,683.91	6,792.57	6,737.71	54.86	123.818		
6,200.00	5,965.44	5,963.85	5,950.44	34.83	22.65	126.55	-1,782.77	-5,683.91	6,810.32	6,754.53	55.80	122.056		
6,300.00	6,061.12	6,059.53	6,046.12	35.41	23.05	126.74	-1,782.77	-5,683.91	6,828.16	6,771.42	56.73	120.354		
6,400.00	6,156.81	6,155.22	6,141.81	36.00	23.45	126.93	-1,782.77	-5,683.91	6,846.06	6,788.39	57.67	118.709		
6,500.00	6,252.50	6,250.91	6,237.50	36.59	23.85	127.11	-1,782.77	-5,683.91	6,864.05	6,805.44	58.61	117.118		
6,600.00	6,348.18	6,346.59	6,333.18	37.18	24.25	127.30	-1,782.77	-5,683.91	6,882.11	6,822.56	59.54	115.580		
6,636.04	6,382.67	6,381.08	6,367.67	37.39	24.39	127.37	-1,782.77	-5,683.91	6,888.63	6,828.75	59.88	115.038		
6,650.00	6,396.05	6,394.46	6,381.05	37.47	24.45	124.13	-1,782.77	-5,683.91	6,891.01	6,831.00	60.01	114.829		
6,700.00	6,444.38	6,442.79	6,429.38	37.74	24.65	109.66	-1,782.77	-5,683.91	6,897.07	6,836.60	60.47	114.062		
6,750.00	6,493.07	6,491.48	6,478.07	37.98	24.85	91.12	-1,782.77	-5,683.91	6,899.24	6,838.34	60.90	113.279		
6,800.00	6,541.82	6,540.23	6,526.82	38.18	25.06	71.57	-1,782.77	-5,683.91	6,897.51	6,836.19	61.32	112.493		
6,850.00	6,590.35	6,587.79	6,574.34	38.35	25.11	55.00	-1,784.56	-5,683.91	6,892.07	6,830.55	61.52	112.026		
6,900.00	6,638.34	6,636.75	6,623.34	38.50	25.22	42.83	-1,787.26	-5,683.91	6,882.87	6,821.09	61.77	111.424		
6,950.00	6,685.50	6,683.91	6,670.50	38.64	25.33	34.25	-1,791.16	-5,683.91	6,869.97	6,807.98	61.98	110.837		
7,000.00	6,731.54	6,729.95	6,716.54	38.77	25.42	28.14	-1,796.15	-5,683.91	6,853.45	6,791.28	62.16	110.252		
7,050.00	6,776.18	6,774.59	6,761.18	38.90	25.51	23.64	-1,802.11	-5,683.90	6,833.39	6,771.07	62.32	109.653		
7,100.00	6,819.14	6,817.55	6,804.14	39.03	25.58	20.22	-1,807.38	-5,683.90	6,809.93	6,747.50	62.43	109.081		
7,150.00	6,860.16	6,858.57	6,845.16	39.16	25.67	17.51	-1,816.21	-5,683.90	6,783.17	6,720.61	62.56	108.429		
7,200.00	6,898.98	6,897.39	6,884.98	39.31	25.74	15.31	-1,823.95	-5,683.90	6,753.28	6,690.63	62.65	107.798		
7,250.00	6,935.36	6,933.77	6,920.36	39.47	25.81	13.43	-1,831.87	-5,683.90	6,720.43	6,657.71	62.72	107.149		
7,300.00	6,969.08	6,967.49	6,954.08	39.65	25.86	11.78	-1,838.81	-5,683.90	6,684.81	6,622.05	62.77	106.498		
7,350.00	6,999.94	6,998.35	6,985.94	39.85	25.92	10.24	-1,847.38	-5,683.90	6,646.63	6,583.81	62.82	105.803		
7,400.00	7,027.74	7,026.15	7,013.74	40.08	25.96	8.73	-1,854.59	-5,683.90	6,606.10	6,543.24	62.85	105.105		
7,450.00	7,052.31	7,050.72	7,037.31	40.34	26.00	7.16	-1,861.22	-5,683.89	6,563.45	6,500.58	62.87	104.389		
7,500.00	7,073.49	7,071.90	7,058.49	40.63	26.03	5.36	-1,867.11	-5,683.89	6,518.95	6,456.06	62.89	103.656		
7,550.00	7,091.17	7,089.58	7,076.17	40.95	26.06	3.12	-1,872.15	-5,683.89	6,472.84	6,409.94	62.90	102.906		
7,600.00	7,105.22	7,103.63	7,090.22	41.31	26.11	-0.23	-1,882.35	-5,683.89	6,425.42	6,362.46	62.96	102.061		
7,650.00	7,115.57	7,113.98	7,100.57	41.71	26.11	-5.35	-1,882.35	-5,683.89	6,376.91	6,313.98	62.94	101.324		
7,700.00	7,122.15	7,120.56	7,107.15	42.15	26.11	-15.78	-1,882.35	-5,683.89	6,327.66	6,264.73	62.92	100.562		
7,750.00	7,124.91	7,123.32	7,110.91	42.62	26.11	-44.62	-1,882.35	-5,683.89	6,277.94	6,215.02	62.92	99.776		
7,759.54	7,125.00	7,123.41	7,110.00	42.72	26.11	-54.85	-1,882.35	-5,683.89	6,268.43	6,205.50	62.92	99.623		
7,800.00	7,125.10	7,123.51	7,110.10	43.13	26.11	-54.85	-1,882.35	-5,683.89	6,228.07	6,165.14	62.92	98.976		
7,900.00	7,125.34	7,123.75	7,110.34	44.28	26.11	-54.85	-1,882.35	-5,683.89	6,128.33	6,065.39	62.93	97.376		
8,000.00	7,125.58	7,123.99	7,110.58	45.61	26.11	-54.85	-1,882.35	-5,683.89	6,028.59	5,965.65	62.95	95.773		
8,100.00	7,125.82	7,124.23	7,110.82	47.10	26.11	-54.85	-1,882.35	-5,683.89	5,928.87	5,865.91	62.96	94.167		
8,200.00	7,126.06	7,124.47	7,111.06	48.72	26.11	-54.85	-1,882.35	-5,683.89	5,829.16	5,766.18	62.98	92.558		
8,300.00	7,126.30	7,124.71	7,111.30	50.48	26.11	-54.85	-1,882.35	-5,683.89	5,729.45	5,666.45	63.00	90.946		
8,400.00	7,126.54	7,124.95	7,111.54	52.34	26.11	-54.85	-1,882.35	-5,683.89	5,629.76	5,566.74	63.02	89.331		
8,500.00	7,126.78	7,125.19	7,111.78	54.30	26.11	-54.85	-1,882.35	-5,683.89	5,530.08	5,467.03	63.05	87.713		
8,600.00	7,127.02	7,125.43	7,112.02	56.35	26.11	-54.85	-1,882.35	-5,683.89	5,430.40	5,367.33	63.08	86.092		
8,700.00	7,127.26	7,125.67	7,112.26	58.47	26.11	-54.85	-1,882.35	-5,683.89	5,330.75	5,267.64	63.11	84.468		
8,800.00	7,127.50	7,125.91	7,112.50	60.66	26.11	-54.85	-1,882.35	-5,683.89	5,231.10	5,167.95	63.15	82.841		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	6,900.00	6,869.30	62.90	26.11	-54.85	-1,882.35	-5,683.89	5,131.47	5,068.28	63.19	81.210		
9,000.00	7,127.98	6,900.00	6,869.30	65.19	26.11	-54.85	-1,882.35	-5,683.89	5,031.85	4,968.62	63.23	79.577		
9,100.00	7,128.22	6,900.00	6,869.30	67.53	26.11	-54.85	-1,882.35	-5,683.89	4,932.25	4,868.97	63.28	77.941		
9,200.00	7,128.46	6,900.00	6,869.30	69.92	26.11	-54.85	-1,882.35	-5,683.89	4,832.66	4,769.33	63.34	76.301		
9,300.00	7,128.70	6,900.00	6,869.30	72.33	26.11	-54.85	-1,882.35	-5,683.89	4,733.10	4,669.70	63.40	74.658		
9,400.00	7,128.94	6,900.00	6,869.30	74.78	26.11	-54.85	-1,882.35	-5,683.89	4,633.55	4,570.08	63.46	73.012		
9,500.00	7,129.18	6,900.00	6,869.30	77.26	26.11	-54.85	-1,882.35	-5,683.89	4,534.02	4,470.48	63.53	71.363		
9,600.00	7,129.42	6,900.00	6,869.30	79.76	26.11	-54.85	-1,882.35	-5,683.89	4,434.51	4,370.90	63.61	69.710		
9,700.00	7,129.66	6,900.00	6,869.30	82.29	26.11	-54.85	-1,882.35	-5,683.89	4,335.02	4,271.32	63.70	68.053		
9,800.00	7,129.90	6,900.00	6,869.30	84.84	26.11	-54.85	-1,882.35	-5,683.89	4,235.56	4,171.77	63.80	66.393		
9,900.00	7,130.14	6,900.00	6,869.30	87.41	26.11	-54.85	-1,882.35	-5,683.89	4,136.13	4,072.23	63.90	64.729		
10,000.00	7,130.38	6,900.00	6,869.30	90.00	26.11	-54.85	-1,882.35	-5,683.89	4,036.72	3,972.71	64.01	63.062		
10,100.00	7,130.62	6,900.00	6,869.30	92.60	26.11	-54.85	-1,882.35	-5,683.89	3,937.34	3,873.21	64.14	61.390		
10,200.00	7,130.86	6,900.00	6,869.30	95.22	26.11	-54.85	-1,882.35	-5,683.89	3,838.00	3,773.72	64.27	59.714		
10,300.00	7,131.09	6,900.00	6,869.30	97.85	26.11	-54.85	-1,882.35	-5,683.89	3,738.69	3,674.27	64.42	58.034		
10,400.00	7,131.33	6,900.00	6,869.30	100.50	26.11	-54.85	-1,882.35	-5,683.89	3,639.42	3,574.83	64.59	56.350		
10,500.00	7,131.57	6,900.00	6,869.30	103.16	26.11	-54.85	-1,882.35	-5,683.89	3,540.18	3,475.42	64.77	54.661		
10,600.00	7,131.81	6,900.00	6,869.30	105.82	26.11	-54.85	-1,882.35	-5,683.89	3,441.00	3,376.03	64.96	52.967		
10,700.00	7,132.05	6,900.00	6,869.30	108.50	26.11	-54.85	-1,882.35	-5,683.89	3,341.86	3,276.68	65.18	51.269		
10,800.00	7,132.29	6,912.90	6,880.47	111.19	26.15	-56.52	-1,888.81	-5,683.89	3,242.73	3,177.15	65.58	49.446		
10,900.00	7,132.53	6,913.34	6,880.84	113.88	26.15	-56.57	-1,889.03	-5,683.89	3,143.70	3,077.84	65.86	47.731		
11,000.00	7,132.77	6,913.78	6,881.22	116.58	26.15	-56.63	-1,889.26	-5,683.89	3,044.73	2,978.56	66.17	46.011		
11,100.00	7,133.01	6,914.22	6,881.60	119.29	26.15	-56.69	-1,889.48	-5,683.89	2,945.83	2,879.31	66.52	44.285		
11,200.00	7,133.25	6,914.66	6,881.98	122.01	26.15	-56.74	-1,889.71	-5,683.89	2,847.01	2,780.11	66.90	42.553		
11,300.00	7,133.49	6,915.10	6,882.36	124.73	26.15	-56.80	-1,889.93	-5,683.89	2,748.27	2,680.94	67.33	40.816		
11,400.00	7,133.73	6,915.55	6,882.74	127.46	26.15	-56.86	-1,890.16	-5,683.89	2,649.63	2,581.82	67.81	39.073		
11,500.00	7,133.97	6,915.99	6,883.12	130.19	26.15	-56.91	-1,890.38	-5,683.89	2,551.09	2,482.75	68.35	37.325		
11,600.00	7,134.21	6,916.43	6,883.50	132.93	26.16	-56.97	-1,890.61	-5,683.89	2,452.67	2,383.72	68.95	35.572		
11,700.00	7,134.45	6,916.87	6,883.88	135.68	26.16	-57.03	-1,890.84	-5,683.89	2,354.39	2,284.76	69.63	33.814		
11,800.00	7,134.69	6,917.32	6,884.26	138.43	26.16	-57.09	-1,891.07	-5,683.89	2,256.25	2,185.86	70.39	32.052		
11,900.00	7,134.93	6,917.76	6,884.64	141.18	26.16	-57.14	-1,891.29	-5,683.89	2,158.29	2,087.03	71.26	30.287		
12,000.00	7,135.17	6,918.21	6,885.03	143.94	26.16	-57.20	-1,891.52	-5,683.89	2,060.52	1,988.27	72.25	28.520		
12,100.00	7,135.41	6,918.65	6,885.41	146.70	26.16	-57.26	-1,891.75	-5,683.89	1,962.98	1,889.60	73.37	26.753		
12,200.00	7,135.65	6,919.10	6,885.79	149.46	26.16	-57.32	-1,891.98	-5,683.89	1,865.69	1,791.03	74.66	24.988		
12,300.00	7,135.89	6,919.55	6,886.17	152.23	26.16	-57.37	-1,892.21	-5,683.89	1,768.71	1,692.57	76.14	23.228		
12,400.00	7,136.13	6,919.99	6,886.56	155.00	26.16	-57.43	-1,892.44	-5,683.89	1,672.09	1,594.23	77.86	21.477		
12,500.00	7,136.37	6,920.44	6,886.94	157.78	26.17	-57.49	-1,892.67	-5,683.89	1,575.88	1,496.04	79.84	19.738		
12,600.00	7,136.61	6,920.89	6,887.32	160.55	26.17	-57.55	-1,892.91	-5,683.89	1,480.18	1,398.03	82.15	18.018		
12,700.00	7,136.85	6,921.34	6,887.71	163.33	26.17	-57.61	-1,893.14	-5,683.89	1,385.09	1,300.23	84.85	16.324		
12,800.00	7,137.09	6,921.79	6,888.09	166.12	26.17	-57.66	-1,893.37	-5,683.89	1,290.73	1,202.70	88.03	14.662		
12,900.00	7,137.33	6,922.24	6,888.48	168.90	26.17	-57.72	-1,893.60	-5,683.89	1,197.30	1,105.50	91.79	13.043		
13,000.00	7,137.57	6,922.69	6,888.86	171.69	26.17	-57.78	-1,893.84	-5,683.89	1,105.01	1,008.75	96.26	11.479		
13,100.00	7,137.81	6,923.14	6,889.25	174.48	26.17	-57.84	-1,894.07	-5,683.89	1,014.18	912.58	101.61	9.981		
13,200.00	7,138.05	6,923.59	6,889.63	177.27	26.17	-57.90	-1,894.31	-5,683.89	925.25	817.23	108.02	8.566		
13,300.00	7,138.29	6,924.04	6,890.02	180.07	26.17	-57.96	-1,894.54	-5,683.89	838.82	723.08	115.74	7.247		
13,400.00	7,138.53	6,924.49	6,890.40	182.86	26.18	-58.01	-1,894.78	-5,683.89	755.74	630.71	125.03	6.044		
13,500.00	7,138.77	6,924.95	6,890.79	185.66	26.18	-58.07	-1,895.01	-5,683.89	677.25	541.12	136.13	4.975		
13,600.00	7,139.01	6,925.40	6,891.18	188.46	26.18	-58.13	-1,895.25	-5,683.89	605.14	456.01	149.13	4.058		
13,700.00	7,139.25	6,925.85	6,891.56	191.26	26.18	-58.19	-1,895.49	-5,683.89	541.95	378.28	163.67	3.311		
13,800.00	7,139.49	6,926.31	6,891.95	194.06	26.18	-58.25	-1,895.73	-5,683.89	491.16	312.64	178.52	2.751		
13,900.00	7,139.73	6,926.76	6,892.34	196.87	26.18	-58.31	-1,895.96	-5,683.89	456.90	265.80	191.10	2.391		
14,000.00	7,139.97	6,927.22	6,892.73	199.68	26.18	-58.37	-1,896.20	-5,683.89	443.03	244.95	198.09	2.237		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,012.40	7,140.00	6,927.28	6,892.78	200.02	26.18	-58.37	-1,896.23	-5,683.89	442.86	244.43	198.43	2.232	CC, ES, SF	
14,100.00	7,140.21	6,927.68	6,893.12	202.48	26.18	-58.43	-1,896.44	-5,683.89	451.44	254.09	197.35	2.287		
14,200.00	7,140.45	6,928.13	6,893.50	205.29	26.18	-58.48	-1,896.68	-5,683.89	480.95	291.20	189.75	2.535		
14,300.00	7,140.69	6,928.59	6,893.89	208.10	26.19	-58.54	-1,896.92	-5,683.89	528.05	349.80	178.25	2.962		
14,400.00	7,140.93	6,929.05	6,894.28	210.91	26.19	-58.60	-1,897.16	-5,683.89	588.52	422.83	165.69	3.552		
14,500.00	7,141.17	6,929.51	6,894.67	213.73	26.19	-58.66	-1,897.40	-5,683.89	658.69	504.90	153.79	4.283		
14,600.00	7,141.41	6,929.97	6,895.06	216.54	26.19	-58.72	-1,897.65	-5,683.89	735.79	592.54	143.25	5.136		
14,700.00	7,141.65	6,930.42	6,895.45	219.36	26.19	-58.78	-1,897.89	-5,683.89	817.86	683.65	134.21	6.094		
14,800.00	7,141.89	6,930.88	6,895.84	222.17	26.19	-58.84	-1,898.13	-5,683.89	903.56	777.01	126.55	7.140		
14,900.00	7,142.13	6,931.34	6,896.23	224.99	26.19	-58.90	-1,898.38	-5,683.89	991.93	871.86	120.07	8.261		
15,000.00	7,142.36	6,931.81	6,896.63	227.81	26.19	-58.96	-1,898.62	-5,683.89	1,082.33	967.74	114.59	9.445		
15,100.00	7,142.60	6,932.27	6,897.02	230.63	26.20	-59.02	-1,898.86	-5,683.89	1,174.29	1,064.35	109.94	10.681		
15,200.00	7,142.84	6,932.73	6,897.41	233.45	26.20	-59.08	-1,899.11	-5,683.89	1,267.47	1,161.50	105.96	11.962		
15,300.00	7,143.08	6,933.19	6,897.80	236.27	26.20	-59.14	-1,899.35	-5,683.89	1,361.61	1,259.07	102.54	13.278		
15,400.00	7,143.32	6,933.66	6,898.19	239.09	26.20	-59.20	-1,899.60	-5,683.89	1,456.53	1,356.94	99.59	14.625		
15,500.00	7,143.56	6,934.12	6,898.59	241.91	26.20	-59.26	-1,899.85	-5,683.89	1,552.10	1,455.07	97.03	15.997		
15,600.00	7,143.80	6,934.58	6,898.98	244.73	26.20	-59.32	-1,900.09	-5,683.89	1,648.18	1,553.40	94.79	17.389		
15,700.00	7,144.04	6,935.05	6,899.37	247.56	26.20	-59.38	-1,900.34	-5,683.89	1,744.71	1,651.89	92.82	18.797		
15,800.00	7,144.28	6,935.51	6,899.77	250.38	26.20	-59.44	-1,900.59	-5,683.89	1,841.61	1,750.53	91.08	20.219		
15,900.00	7,144.52	6,935.98	6,900.16	253.21	26.20	-59.50	-1,900.84	-5,683.89	1,938.82	1,849.28	89.55	21.651		
16,000.00	7,144.76	6,936.45	6,900.55	256.03	26.21	-59.56	-1,901.09	-5,683.89	2,036.31	1,948.12	88.18	23.092		
16,100.00	7,145.00	6,936.91	6,900.95	258.86	26.21	-59.62	-1,901.34	-5,683.89	2,134.02	2,047.06	86.96	24.539		
16,200.00	7,145.24	6,937.38	6,901.34	261.69	26.21	-59.68	-1,901.59	-5,683.89	2,231.94	2,146.07	85.87	25.991		
16,300.00	7,145.48	6,937.85	6,901.74	264.52	26.21	-59.74	-1,901.84	-5,683.89	2,330.03	2,245.14	84.89	27.447		
16,400.00	7,145.72	6,938.32	6,902.14	267.35	26.21	-59.80	-1,902.09	-5,683.89	2,428.28	2,344.27	84.01	28.905		
16,500.00	7,145.96	6,938.79	6,902.53	270.18	26.21	-59.86	-1,902.34	-5,683.89	2,526.67	2,443.46	83.21	30.364		
16,600.00	7,146.20	6,939.26	6,902.93	273.01	26.21	-59.92	-1,902.59	-5,683.89	2,625.18	2,542.69	82.49	31.823		
16,700.00	7,146.44	6,939.73	6,903.32	275.84	26.21	-59.98	-1,902.85	-5,683.89	2,723.80	2,641.96	81.84	33.282		
16,800.00	7,146.68	6,940.20	6,903.72	278.67	26.22	-60.04	-1,903.10	-5,683.89	2,822.51	2,741.27	81.25	34.740		
16,900.00	7,146.92	6,940.67	6,904.12	281.50	26.22	-60.11	-1,903.36	-5,683.89	2,921.31	2,840.61	80.71	36.197		
17,000.00	7,147.16	6,941.14	6,904.52	284.33	26.22	-60.17	-1,903.61	-5,683.89	3,020.19	2,939.98	80.21	37.651		
17,100.00	7,147.40	6,941.61	6,904.91	287.16	26.22	-60.23	-1,903.87	-5,683.89	3,119.15	3,039.38	79.77	39.104		
17,200.00	7,147.64	6,942.09	6,905.31	290.00	26.22	-60.29	-1,904.12	-5,683.89	3,218.16	3,138.81	79.36	40.553		
17,300.00	7,147.88	6,942.56	6,905.71	292.83	26.22	-60.35	-1,904.38	-5,683.89	3,317.24	3,238.26	78.98	42.000		
17,400.00	7,148.12	6,943.04	6,906.11	295.66	26.22	-60.41	-1,904.63	-5,683.89	3,416.37	3,337.73	78.64	43.444		
17,500.00	7,148.36	6,943.51	6,906.51	298.50	26.22	-60.47	-1,904.89	-5,683.89	3,515.55	3,437.22	78.33	44.884		
17,600.00	7,148.60	6,943.99	6,906.91	301.33	26.22	-60.53	-1,905.15	-5,683.89	3,614.77	3,536.73	78.04	46.321		
17,700.00	7,148.84	6,944.46	6,907.31	304.17	26.23	-60.60	-1,905.41	-5,683.89	3,714.04	3,636.26	77.78	47.754		
17,800.00	7,149.08	6,944.94	6,907.71	307.00	26.23	-60.66	-1,905.67	-5,683.89	3,813.34	3,735.80	77.53	49.183		
17,900.00	7,149.32	6,945.42	6,908.11	309.84	26.23	-60.72	-1,905.93	-5,683.89	3,912.68	3,835.36	77.31	50.608		
18,000.00	7,149.56	6,945.89	6,908.51	312.68	26.23	-60.78	-1,906.19	-5,683.89	4,012.05	3,934.94	77.11	52.028		
18,100.00	7,149.80	6,946.37	6,908.91	315.51	26.23	-60.84	-1,906.45	-5,683.89	4,111.45	4,034.52	76.93	53.445		
18,200.00	7,150.04	6,946.85	6,909.31	318.35	26.23	-60.90	-1,906.71	-5,683.89	4,210.88	4,134.12	76.76	54.857		
18,300.00	7,150.28	6,947.33	6,909.71	321.19	26.23	-60.96	-1,906.97	-5,683.89	4,310.34	4,233.73	76.61	56.265		
18,400.00	7,150.52	6,947.81	6,910.11	324.03	26.23	-61.03	-1,907.23	-5,683.89	4,409.82	4,333.35	76.47	57.669		
18,500.00	7,150.76	6,948.29	6,910.51	326.86	26.24	-61.09	-1,907.50	-5,683.89	4,509.32	4,432.98	76.34	59.068		
18,600.00	7,151.00	6,948.77	6,910.92	329.70	26.24	-61.15	-1,907.76	-5,683.89	4,608.85	4,532.62	76.23	60.463		
18,700.00	7,151.24	6,949.25	6,911.32	332.54	26.24	-61.21	-1,908.02	-5,683.89	4,708.39	4,632.27	76.12	61.853		
18,800.00	7,151.48	6,949.74	6,911.72	335.38	26.24	-61.27	-1,908.29	-5,683.89	4,807.96	4,731.93	76.03	63.238		
18,900.00	7,151.72	6,950.22	6,912.13	338.22	26.24	-61.34	-1,908.55	-5,683.89	4,907.54	4,831.59	75.95	64.619		
19,000.00	7,151.96	6,950.70	6,912.53	341.06	26.24	-61.40	-1,908.82	-5,683.89	5,007.14	4,931.27	75.87	65.995		
19,018.30	7,152.00	6,950.79	6,912.60	341.58	26.24	-61.41	-1,908.87	-5,683.89	5,025.36	4,949.51	75.86	66.247		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-10.48	1,493.65	-276.41	1,521.92					
100.00	100.00	6.00	6.00	3.28	3.28	-10.48	1,493.65	-276.41	1,519.01	1,512.44	6.57	231.332		
200.00	200.00	106.00	106.00	3.34	3.82	-10.48	1,493.65	-276.41	1,519.01	1,511.86	7.16	212.288 CC		
300.00	299.98	205.98	205.98	3.44	6.36	-147.75	1,493.65	-276.41	1,520.49	1,510.69	9.80	155.191 ES		
400.00	399.84	305.84	305.84	3.59	9.51	-147.81	1,493.65	-276.41	1,524.92	1,511.81	13.11	116.334		
500.00	499.45	405.45	405.45	3.80	12.84	-147.91	1,493.65	-276.41	1,532.30	1,515.67	16.63	92.145		
600.00	598.70	504.70	504.70	4.04	16.21	-148.04	1,493.65	-276.41	1,542.66	1,522.41	20.25	76.195		
700.00	697.47	603.47	603.47	4.32	19.60	-148.20	1,493.65	-276.41	1,555.99	1,532.07	23.91	65.064		
800.00	795.62	701.62	701.62	4.65	22.98	-148.39	1,493.65	-276.41	1,572.30	1,544.69	27.61	56.943		
900.00	893.06	800.94	799.06	5.01	26.42	-148.61	1,493.65	-276.41	1,591.62	1,560.23	31.39	50.706		
1,000.00	989.64	904.36	895.64	5.42	30.01	-148.85	1,493.65	-276.41	1,613.94	1,578.60	35.34	45.668		
1,044.50	1,032.32	938.32	938.32	5.61	31.18	-148.96	1,493.65	-276.41	1,624.84	1,588.15	36.69	44.282		
1,100.00	1,085.43	1,008.57	991.43	5.86	33.62	-149.24	1,493.65	-276.41	1,638.84	1,599.49	39.35	41.650		
1,200.00	1,181.11	1,087.11	1,087.11	6.33	36.35	-149.75	1,493.65	-276.41	1,664.15	1,621.67	42.47	39.181		
1,300.00	1,276.80	1,182.80	1,182.80	6.81	39.68	-150.24	1,493.65	-276.41	1,689.58	1,643.36	46.21	36.561		
1,400.00	1,372.49	1,278.49	1,278.49	7.31	43.01	-150.72	1,493.65	-276.41	1,715.12	1,665.16	49.96	34.327		
1,500.00	1,468.17	1,374.17	1,374.17	7.83	46.34	-151.18	1,493.65	-276.41	1,740.78	1,687.05	53.73	32.401		
1,600.00	1,563.86	1,469.86	1,469.86	8.35	49.68	-151.63	1,493.65	-276.41	1,766.54	1,709.04	57.50	30.724		
1,700.00	1,659.55	1,565.55	1,565.55	8.88	53.01	-152.07	1,493.65	-276.41	1,792.40	1,731.12	61.28	29.251		
1,800.00	1,755.23	1,661.23	1,661.23	9.42	56.34	-152.49	1,493.65	-276.41	1,818.36	1,753.30	65.06	27.949		
1,900.00	1,850.92	1,756.92	1,756.92	9.97	59.68	-152.91	1,493.65	-276.41	1,844.41	1,775.56	68.85	26.789		
2,000.00	1,946.61	1,852.61	1,852.61	10.52	63.01	-153.31	1,493.65	-276.41	1,870.54	1,797.90	72.64	25.750		
2,100.00	2,042.29	1,948.29	1,948.29	11.07	66.35	-153.70	1,493.65	-276.41	1,896.77	1,820.33	76.44	24.814		
2,200.00	2,137.98	2,043.98	2,043.98	11.63	69.69	-154.08	1,493.65	-276.41	1,923.07	1,842.83	80.24	23.967		
2,300.00	2,233.67	2,139.67	2,139.67	12.19	73.02	-154.45	1,493.65	-276.41	1,949.45	1,865.41	84.04	23.197		
2,400.00	2,329.35	2,235.35	2,235.35	12.76	76.36	-154.81	1,493.65	-276.41	1,975.91	1,888.07	87.84	22.493		
2,500.00	2,425.04	2,331.04	2,331.04	13.32	79.70	-155.16	1,493.65	-276.41	2,002.44	1,910.79	91.65	21.849		
2,600.00	2,520.72	2,426.72	2,426.72	13.89	83.04	-155.50	1,493.65	-276.41	2,029.04	1,933.58	95.46	21.256		
2,700.00	2,616.41	2,522.41	2,522.41	14.46	86.37	-155.84	1,493.65	-276.41	2,055.71	1,956.44	99.27	20.709		
2,800.00	2,712.10	2,618.10	2,618.10	15.03	89.71	-156.16	1,493.65	-276.41	2,082.43	1,979.36	103.08	20.203		
2,900.00	2,807.78	2,713.78	2,713.78	15.60	93.05	-156.48	1,493.65	-276.41	2,109.22	2,002.34	106.89	19.733		
3,000.00	2,903.47	2,809.47	2,809.47	16.18	96.39	-156.79	1,493.65	-276.41	2,136.07	2,025.37	110.70	19.296		
3,100.00	2,999.16	2,905.16	2,905.16	16.75	99.73	-157.09	1,493.65	-276.41	2,162.98	2,048.47	114.51	18.888		
3,200.00	3,094.84	3,000.84	3,000.84	17.33	103.07	-157.38	1,493.65	-276.41	2,189.94	2,071.62	118.33	18.507		
3,300.00	3,190.53	3,103.47	3,096.53	17.90	106.65	-157.67	1,493.65	-276.41	2,216.96	2,094.57	122.38	18.115		
3,400.00	3,286.22	3,207.78	3,192.22	18.48	110.29	-157.95	1,493.65	-276.41	2,244.02	2,117.52	126.50	17.739		
3,500.00	3,381.90	3,287.90	3,287.90	19.06	113.08	-158.22	1,493.65	-276.41	2,271.14	2,141.36	129.77	17.501		
3,600.00	3,477.59	3,383.59	3,383.59	19.64	116.42	-158.49	1,493.65	-276.41	2,298.30	2,164.71	133.59	17.204		
3,700.00	3,573.28	3,479.28	3,479.28	20.22	119.76	-158.75	1,493.65	-276.41	2,325.51	2,188.10	137.40	16.925		
3,800.00	3,668.96	3,574.96	3,574.96	20.80	123.10	-159.01	1,493.65	-276.41	2,352.76	2,211.54	141.22	16.660		
3,900.00	3,764.65	3,670.65	3,670.65	21.38	126.44	-159.26	1,493.65	-276.41	2,380.05	2,235.01	145.04	16.410		
4,000.00	3,860.33	3,766.33	3,766.33	21.96	129.78	-159.50	1,493.65	-276.41	2,407.39	2,258.53	148.86	16.173		
4,100.00	3,956.02	3,862.02	3,862.02	22.54	133.12	-159.74	1,493.65	-276.41	2,434.76	2,282.09	152.67	15.948		
4,200.00	4,051.71	3,957.71	3,957.71	23.13	136.46	-159.97	1,493.65	-276.41	2,462.18	2,305.69	156.49	15.734		
4,300.00	4,147.39	4,053.39	4,053.39	23.71	139.80	-160.20	1,493.65	-276.41	2,489.63	2,329.32	160.31	15.530		
4,400.00	4,243.08	4,149.08	4,149.08	24.29	143.14	-160.42	1,493.65	-276.41	2,517.12	2,352.99	164.13	15.336		
4,500.00	4,338.77	4,244.77	4,244.77	24.88	146.48	-160.64	1,493.65	-276.41	2,544.64	2,376.69	167.95	15.151		
4,600.00	4,434.45	4,340.45	4,340.45	25.46	149.82	-160.85	1,493.65	-276.41	2,572.19	2,400.43	171.77	14.975		
4,700.00	4,530.14	4,436.14	4,436.14	26.04	153.16	-161.06	1,493.65	-276.41	2,599.78	2,424.20	175.58	14.806		
4,800.00	4,625.83	4,531.83	4,531.83	26.63	156.50	-161.27	1,493.65	-276.41	2,627.40	2,448.00	179.40	14.645		
4,900.00	4,721.51	4,627.51	4,627.51	27.21	159.83	-161.47	1,493.65	-276.41	2,655.05	2,471.83	183.22	14.491		
5,000.00	4,817.20	4,723.20	4,723.20	27.80	163.17	-161.66	1,493.65	-276.41	2,682.73	2,495.69	187.04	14.343		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,818.89	4,818.89	28.38	166.51	-161.86	1,493.65	-276.41	2,710.44	2,519.58	190.86	14.201		
5,200.00	5,008.57	4,914.57	4,914.57	28.97	169.85	-162.05	1,493.65	-276.41	2,738.18	2,543.49	194.68	14.065		
5,300.00	5,104.26	5,010.26	5,010.26	29.55	173.19	-162.23	1,493.65	-276.41	2,765.94	2,567.44	198.50	13.934		
5,400.00	5,199.94	5,105.94	5,105.94	30.14	176.53	-162.41	1,493.65	-276.41	2,793.73	2,591.41	202.32	13.808		
5,500.00	5,295.63	5,201.63	5,201.63	30.72	179.87	-162.59	1,493.65	-276.41	2,821.54	2,615.40	206.14	13.687		
5,600.00	5,391.32	5,302.68	5,297.32	31.31	183.40	-162.76	1,493.65	-276.41	2,849.38	2,639.23	210.15	13.559		
5,700.00	5,487.00	5,407.00	5,393.00	31.90	187.04	-162.93	1,493.65	-276.41	2,877.25	2,662.98	214.27	13.428		
5,800.00	5,582.69	5,488.69	5,488.69	32.48	189.89	-163.10	1,493.65	-276.41	2,905.14	2,687.53	217.61	13.350		
5,900.00	5,678.38	5,584.38	5,584.38	33.07	193.23	-163.27	1,493.65	-276.41	2,933.05	2,711.62	221.43	13.246		
6,000.00	5,774.06	5,680.06	5,680.06	33.65	196.57	-163.43	1,493.65	-276.41	2,960.98	2,735.73	225.25	13.145		
6,100.00	5,869.75	5,775.75	5,775.75	34.24	199.91	-163.59	1,493.65	-276.41	2,988.93	2,759.86	229.07	13.048		
6,200.00	5,965.44	5,871.44	5,871.44	34.83	203.25	-163.74	1,493.65	-276.41	3,016.90	2,784.01	232.89	12.954		
6,300.00	6,061.12	5,967.12	5,967.12	35.41	206.59	-163.89	1,493.65	-276.41	3,044.90	2,808.19	236.71	12.863		
6,400.00	6,156.81	6,062.81	6,062.81	36.00	209.93	-164.04	1,493.65	-276.41	3,072.91	2,832.38	240.53	12.775		
6,500.00	6,252.50	6,158.50	6,158.50	36.59	213.27	-164.19	1,493.65	-276.41	3,100.95	2,856.59	244.35	12.690		
6,600.00	6,348.18	6,254.18	6,254.18	37.18	216.61	-164.34	1,493.65	-276.41	3,129.00	2,880.82	248.18	12.608		
6,636.04	6,382.67	6,288.67	6,288.67	37.39	217.82	-164.39	1,493.65	-276.41	3,139.11	2,889.56	249.55	12.579		
6,650.00	6,396.05	6,302.05	6,302.05	37.47	218.28	-168.01	1,493.65	-276.41	3,142.97	2,892.88	250.09	12.567		
6,700.00	6,444.38	6,350.38	6,350.38	37.74	219.97	176.31	1,493.65	-276.41	3,155.72	2,903.71	252.01	12.522		
6,750.00	6,493.07	6,400.93	6,399.07	37.98	221.74	156.81	1,493.65	-276.41	3,166.75	2,912.76	253.99	12.468		
6,800.00	6,541.82	6,447.82	6,447.82	38.18	223.37	136.55	1,493.65	-276.41	3,176.01	2,920.17	255.84	12.414		
6,850.00	6,590.35	6,503.65	6,496.35	38.35	225.32	119.56	1,493.65	-276.41	3,183.45	2,925.46	257.99	12.340		
6,900.00	6,638.34	6,544.34	6,544.34	38.50	226.74	107.18	1,493.65	-276.41	3,189.07	2,929.47	259.60	12.285		
6,950.00	6,685.50	6,608.50	6,591.50	38.64	228.98	98.63	1,493.65	-276.41	3,192.86	2,930.84	262.02	12.185		
7,000.00	6,731.54	6,637.54	6,637.54	38.77	229.99	92.76	1,493.65	-276.41	3,194.86	2,931.63	263.22	12.138		
7,050.00	6,776.18	6,682.18	6,682.18	38.90	231.55	88.72	1,493.65	-276.41	3,195.10	2,930.14	264.96	12.059		
7,100.00	6,819.14	6,725.14	6,725.14	39.03	233.05	85.97	1,493.65	-276.41	3,193.66	2,927.01	266.65	11.977		
7,150.00	6,860.16	6,766.16	6,766.16	39.16	234.48	84.15	1,493.65	-276.41	3,190.61	2,922.33	268.28	11.893		
7,200.00	6,898.98	6,804.98	6,804.98	39.31	235.84	83.01	1,493.65	-276.41	3,186.04	2,916.19	269.85	11.807		
7,250.00	6,935.36	6,841.36	6,841.36	39.47	237.11	82.42	1,493.65	-276.41	3,180.07	2,908.71	271.36	11.719		
7,300.00	6,969.08	6,875.08	6,875.08	39.65	238.29	82.24	1,493.65	-276.41	3,172.81	2,900.01	272.80	11.631		
7,350.00	6,999.94	6,905.94	6,905.94	39.85	239.36	82.40	1,493.65	-276.41	3,164.38	2,890.20	274.18	11.541		
7,400.00	7,027.74	6,933.74	6,933.74	40.08	240.33	82.82	1,493.65	-276.41	3,154.91	2,879.42	275.49	11.452		
7,450.00	7,052.31	6,958.31	6,958.31	40.34	241.19	83.47	1,493.65	-276.41	3,144.53	2,867.80	276.73	11.363		
7,500.00	7,073.49	6,979.49	6,979.49	40.63	241.93	84.28	1,493.65	-276.41	3,133.39	2,855.47	277.91	11.275		
7,550.00	7,091.17	7,002.83	6,997.17	40.95	242.75	85.22	1,493.65	-276.41	3,121.60	2,842.38	279.22	11.180		
7,600.00	7,105.22	7,011.22	7,011.22	41.31	243.04	86.27	1,493.65	-276.41	3,109.30	2,829.24	280.06	11.102		
7,650.00	7,115.57	7,021.57	7,021.57	41.71	243.40	87.38	1,493.65	-276.41	3,096.60	2,815.58	281.03	11.019		
7,700.00	7,122.15	7,028.15	7,028.15	42.15	243.63	88.54	1,493.65	-276.41	3,083.62	2,801.72	281.90	10.939		
7,750.00	7,124.91	7,030.91	7,030.91	42.62	243.73	89.73	1,493.65	-276.41	3,070.46	2,787.77	282.69	10.862		
7,759.54	7,125.00	7,031.00	7,031.00	42.72	243.73	89.96	1,493.65	-276.41	3,067.94	2,785.11	282.83	10.847		
7,800.00	7,125.10	7,031.10	7,031.10	43.13	243.73	89.96	1,493.65	-276.41	3,057.48	2,774.05	283.43	10.788		
7,900.00	7,125.34	7,031.34	7,031.34	44.28	243.74	89.97	1,493.65	-276.41	3,033.78	2,748.75	285.03	10.644		
8,000.00	7,125.58	7,031.58	7,031.58	45.61	243.75	89.97	1,493.65	-276.41	3,013.21	2,726.41	286.80	10.506		
8,100.00	7,125.82	7,031.82	7,031.82	47.10	243.76	89.98	1,493.65	-276.41	2,995.85	2,707.12	288.72	10.376		
8,200.00	7,126.06	7,032.06	7,032.06	48.72	243.77	89.98	1,493.65	-276.41	2,981.73	2,690.96	290.77	10.255		
8,300.00	7,126.30	7,032.30	7,032.30	50.48	243.77	89.99	1,493.65	-276.41	2,970.92	2,678.01	292.91	10.143		
8,400.00	7,126.54	7,032.54	7,032.54	52.34	243.78	89.99	1,493.65	-276.41	2,963.45	2,668.31	295.14	10.041		
8,500.00	7,126.78	7,032.78	7,032.78	54.30	243.79	90.00	1,493.65	-276.41	2,959.33	2,661.92	297.42	9.950		
8,571.79	7,126.95	7,032.95	7,032.95	55.77	243.80	90.00	1,493.65	-276.41	2,958.46	2,659.38	299.08	9.892		
8,600.00	7,127.02	7,033.02	7,033.02	56.35	243.80	90.00	1,493.65	-276.41	2,958.60	2,658.87	299.73	9.871		
8,700.00	7,127.26	7,033.26	7,033.26	58.47	243.81	90.01	1,493.65	-276.41	2,961.24	2,659.17	302.07	9.803		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,033.50	7,033.50	60.66	243.82	90.01	1,493.65	-276.41	2,967.25	2,662.85	304.40	9.748		
8,900.00	7,127.74	7,033.74	7,033.74	62.90	243.82	90.02	1,493.65	-276.41	2,976.61	2,669.89	306.72	9.705		
9,000.00	7,127.98	7,033.98	7,033.98	65.19	243.83	90.02	1,493.65	-276.41	2,989.29	2,680.29	309.01	9.674		
9,100.00	7,128.22	7,034.22	7,034.22	67.53	243.84	90.02	1,493.65	-276.41	3,005.25	2,693.99	311.25	9.655		
9,200.00	7,128.46	7,034.46	7,034.46	69.92	243.85	90.03	1,493.65	-276.41	3,024.43	2,710.98	313.45	9.649 SF		
9,300.00	7,128.70	7,034.70	7,034.70	72.33	243.86	90.03	1,493.65	-276.41	3,046.77	2,731.19	315.58	9.655		
9,400.00	7,128.94	7,034.94	7,034.94	74.78	243.87	90.04	1,493.65	-276.41	3,072.20	2,754.57	317.64	9.672		
9,500.00	7,129.18	7,035.18	7,035.18	77.26	243.88	90.04	1,493.65	-276.41	3,100.66	2,781.04	319.62	9.701		
9,600.00	7,129.42	7,035.42	7,035.42	79.76	243.88	90.05	1,493.65	-276.41	3,132.05	2,810.53	321.52	9.741		
9,700.00	7,129.66	7,035.66	7,035.66	82.29	243.89	90.05	1,493.65	-276.41	3,166.29	2,842.95	323.34	9.792		
9,800.00	7,129.90	7,035.90	7,035.90	84.84	243.90	90.06	1,493.65	-276.41	3,203.28	2,878.21	325.07	9.854		
9,900.00	7,130.14	7,036.14	7,036.14	87.41	243.91	90.06	1,493.65	-276.41	3,242.94	2,916.22	326.72	9.926		
10,000.00	7,130.38	7,036.38	7,036.38	90.00	243.92	90.07	1,493.65	-276.41	3,285.16	2,956.89	328.27	10.007		
10,100.00	7,130.62	7,036.62	7,036.62	92.60	243.93	90.07	1,493.65	-276.41	3,329.85	3,000.11	329.74	10.098		
10,200.00	7,130.86	7,036.86	7,036.86	95.22	243.93	90.08	1,493.65	-276.41	3,376.92	3,045.79	331.13	10.198		
10,300.00	7,131.09	7,037.09	7,037.09	97.85	243.94	90.08	1,493.65	-276.41	3,426.25	3,093.82	332.43	10.307		
10,400.00	7,131.33	7,037.33	7,037.33	100.50	243.95	90.08	1,493.65	-276.41	3,477.77	3,144.12	333.65	10.423		
10,500.00	7,131.57	7,037.57	7,037.57	103.16	243.96	90.09	1,493.65	-276.41	3,531.36	3,196.57	334.79	10.548		
10,600.00	7,131.81	7,037.81	7,037.81	105.82	243.97	90.09	1,493.65	-276.41	3,586.94	3,251.08	335.86	10.680		
10,700.00	7,132.05	7,038.05	7,038.05	108.50	243.98	90.10	1,493.65	-276.41	3,644.42	3,307.56	336.86	10.819		
10,800.00	7,132.29	7,038.29	7,038.29	111.19	243.98	90.10	1,493.65	-276.41	3,703.70	3,365.92	337.78	10.965		
10,900.00	7,132.53	7,038.53	7,038.53	113.88	243.99	90.11	1,493.65	-276.41	3,764.71	3,426.06	338.65	11.117		
11,000.00	7,132.77	7,038.77	7,038.77	116.58	244.00	90.11	1,493.65	-276.41	3,827.36	3,487.91	339.45	11.275		
11,100.00	7,133.01	7,039.01	7,039.01	119.29	244.01	90.12	1,493.65	-276.41	3,891.57	3,551.38	340.20	11.439		
11,200.00	7,133.25	7,039.25	7,039.25	122.01	244.02	90.12	1,493.65	-276.41	3,957.27	3,616.38	340.89	11.609		
11,300.00	7,133.49	7,039.49	7,039.49	124.73	244.03	90.13	1,493.65	-276.41	4,024.38	3,682.85	341.53	11.784		
11,400.00	7,133.73	7,039.73	7,039.73	127.46	244.03	90.13	1,493.65	-276.41	4,092.83	3,750.71	342.12	11.963		
11,500.00	7,133.97	7,039.97	7,039.97	130.19	244.04	90.14	1,493.65	-276.41	4,162.56	3,819.89	342.67	12.148		
11,600.00	7,134.21	7,040.21	7,040.21	132.93	244.05	90.14	1,493.65	-276.41	4,233.50	3,890.33	343.17	12.336		
11,700.00	7,134.45	7,040.45	7,040.45	135.68	244.06	90.15	1,493.65	-276.41	4,305.60	3,961.96	343.64	12.529		
11,800.00	7,134.69	7,040.69	7,040.69	138.43	244.07	90.15	1,493.65	-276.41	4,378.79	4,034.72	344.07	12.726		
11,900.00	7,134.93	7,040.93	7,040.93	141.18	244.08	90.15	1,493.65	-276.41	4,453.03	4,108.56	344.47	12.927		
12,000.00	7,135.17	7,041.17	7,041.17	143.94	244.08	90.16	1,493.65	-276.41	4,528.25	4,183.42	344.83	13.132		
12,100.00	7,135.41	7,041.41	7,041.41	146.70	244.09	90.16	1,493.65	-276.41	4,604.42	4,259.25	345.17	13.340		
12,200.00	7,135.65	7,041.65	7,041.65	149.46	244.10	90.17	1,493.65	-276.41	4,681.49	4,336.01	345.48	13.551		
12,300.00	7,135.89	7,041.89	7,041.89	152.23	244.11	90.17	1,493.65	-276.41	4,759.41	4,413.64	345.77	13.765		
12,400.00	7,136.13	7,042.13	7,042.13	155.00	244.12	90.18	1,493.65	-276.41	4,838.14	4,492.11	346.03	13.982		
12,500.00	7,136.37	7,042.37	7,042.37	157.78	244.13	90.18	1,493.65	-276.41	4,917.65	4,571.38	346.27	14.202		
12,600.00	7,136.61	7,042.61	7,042.61	160.55	244.13	90.19	1,493.65	-276.41	4,997.89	4,651.40	346.49	14.424		
12,700.00	7,136.85	7,042.85	7,042.85	163.33	244.14	90.19	1,493.65	-276.41	5,078.83	4,732.14	346.70	14.649		
12,800.00	7,137.09	7,043.09	7,043.09	166.12	244.15	90.20	1,493.65	-276.41	5,160.45	4,813.56	346.88	14.877		
12,900.00	7,137.33	7,043.33	7,043.33	168.90	244.16	90.20	1,493.65	-276.41	5,242.69	4,895.64	347.05	15.106		
13,000.00	7,137.57	7,043.57	7,043.57	171.69	244.17	90.21	1,493.65	-276.41	5,325.55	4,978.34	347.21	15.338		
13,100.00	7,137.81	7,043.81	7,043.81	174.48	244.18	90.21	1,493.65	-276.41	5,408.98	5,061.63	347.35	15.572		
13,200.00	7,138.05	7,044.05	7,044.05	177.27	244.18	90.21	1,493.65	-276.41	5,492.97	5,145.49	347.48	15.808		
13,300.00	7,138.29	7,044.29	7,044.29	180.07	244.19	90.22	1,493.65	-276.41	5,577.49	5,229.89	347.60	16.046		
13,400.00	7,138.53	7,044.53	7,044.53	182.86	244.20	90.22	1,493.65	-276.41	5,662.51	5,314.80	347.71	16.285		
13,500.00	7,138.77	7,044.77	7,044.77	185.66	244.21	90.23	1,493.65	-276.41	5,748.01	5,400.21	347.81	16.526		
13,600.00	7,139.01	7,045.01	7,045.01	188.46	244.22	90.23	1,493.65	-276.41	5,833.98	5,486.08	347.90	16.769		
13,700.00	7,139.25	7,045.25	7,045.25	191.26	244.23	90.24	1,493.65	-276.41	5,920.38	5,572.41	347.98	17.014		
13,800.00	7,139.49	7,045.49	7,045.49	194.06	244.23	90.24	1,493.65	-276.41	6,007.21	5,659.16	348.05	17.260		
13,900.00	7,139.73	7,045.73	7,045.73	196.87	244.24	90.25	1,493.65	-276.41	6,094.44	5,746.32	348.12	17.507		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,045.97	7,045.97	199.68	244.25	90.25	1,493.65	-276.41	6,182.06	5,833.88	348.18	17.755		
14,100.00	7,140.21	7,046.21	7,046.21	202.48	244.26	90.26	1,493.65	-276.41	6,270.05	5,921.81	348.23	18.005		
14,200.00	7,140.45	7,046.45	7,046.45	205.29	244.27	90.26	1,493.65	-276.41	6,358.39	6,010.11	348.28	18.256		
14,300.00	7,140.69	7,046.69	7,046.69	208.10	244.28	90.27	1,493.65	-276.41	6,447.07	6,098.75	348.33	18.509		
14,400.00	7,140.93	7,046.93	7,046.93	210.91	244.29	90.27	1,493.65	-276.41	6,536.08	6,187.72	348.36	18.762		
14,500.00	7,141.17	7,047.17	7,047.17	213.73	244.29	90.28	1,493.65	-276.41	6,625.41	6,277.01	348.40	19.017		
14,600.00	7,141.41	7,047.41	7,047.41	216.54	244.30	90.28	1,493.65	-276.41	6,715.03	6,366.60	348.43	19.272		
14,700.00	7,141.65	7,047.65	7,047.65	219.36	244.31	90.28	1,493.65	-276.41	6,804.95	6,456.49	348.46	19.529		
14,800.00	7,141.89	7,047.89	7,047.89	222.17	244.32	90.29	1,493.65	-276.41	6,895.14	6,546.65	348.48	19.786		
14,900.00	7,142.13	7,048.13	7,048.13	224.99	244.33	90.29	1,493.65	-276.41	6,985.60	6,637.09	348.51	20.044		
15,000.00	7,142.36	7,048.36	7,048.36	227.81	244.34	90.30	1,493.65	-276.41	7,076.31	6,727.79	348.52	20.304		
15,100.00	7,142.60	7,048.60	7,048.60	230.63	244.34	90.30	1,493.65	-276.41	7,167.28	6,818.73	348.54	20.564		
15,200.00	7,142.84	7,048.84	7,048.84	233.45	244.35	90.31	1,493.65	-276.41	7,258.48	6,909.92	348.56	20.824		
15,300.00	7,143.08	7,049.08	7,049.08	236.27	244.36	90.31	1,493.65	-276.41	7,349.91	7,001.34	348.57	21.086		
15,400.00	7,143.32	7,049.32	7,049.32	239.09	244.37	90.32	1,493.65	-276.41	7,441.56	7,092.98	348.58	21.348		
15,500.00	7,143.56	7,049.56	7,049.56	241.91	244.38	90.32	1,493.65	-276.41	7,533.42	7,184.83	348.59	21.611		
15,600.00	7,143.80	7,049.80	7,049.80	244.73	244.39	90.33	1,493.65	-276.41	7,625.48	7,276.89	348.59	21.875		
15,700.00	7,144.04	7,050.04	7,050.04	247.56	244.39	90.33	1,493.65	-276.41	7,717.75	7,369.15	348.60	22.139		
15,800.00	7,144.28	7,050.28	7,050.28	250.38	244.40	90.34	1,493.65	-276.41	7,810.20	7,461.60	348.61	22.404		
15,900.00	7,144.52	7,050.52	7,050.52	253.21	244.41	90.34	1,493.65	-276.41	7,902.84	7,554.23	348.61	22.670		
16,000.00	7,144.76	7,050.76	7,050.76	256.03	244.42	90.34	1,493.65	-276.41	7,995.66	7,647.05	348.61	22.936		
16,100.00	7,145.00	7,051.00	7,051.00	258.86	244.43	90.35	1,493.65	-276.41	8,088.65	7,740.03	348.62	23.202		
16,200.00	7,145.24	7,051.24	7,051.24	261.69	244.44	90.35	1,493.65	-276.41	8,181.80	7,833.18	348.62	23.469		
16,300.00	7,145.48	7,051.48	7,051.48	264.52	244.44	90.36	1,493.65	-276.41	8,275.11	7,926.49	348.62	23.737		
16,400.00	7,145.72	7,051.72	7,051.72	267.35	244.45	90.36	1,493.65	-276.41	8,368.58	8,019.96	348.62	24.005		
16,500.00	7,145.96	7,051.96	7,051.96	270.18	244.46	90.37	1,493.65	-276.41	8,462.19	8,113.58	348.62	24.274		
16,600.00	7,146.20	7,052.20	7,052.20	273.01	244.47	90.37	1,493.65	-276.41	8,555.95	8,207.34	348.62	24.542		
16,700.00	7,146.44	7,052.44	7,052.44	275.84	244.48	90.38	1,493.65	-276.41	8,649.85	8,301.24	348.62	24.812		
16,800.00	7,146.68	7,052.68	7,052.68	278.67	244.49	90.38	1,493.65	-276.41	8,743.89	8,395.27	348.62	25.082		
16,900.00	7,146.92	7,052.92	7,052.92	281.50	244.49	90.39	1,493.65	-276.41	8,838.06	8,489.44	348.62	25.352		
17,000.00	7,147.16	7,053.16	7,053.16	284.33	244.50	90.39	1,493.65	-276.41	8,932.35	8,583.73	348.62	25.622		
17,100.00	7,147.40	7,053.40	7,053.40	287.16	244.51	90.40	1,493.65	-276.41	9,026.77	8,678.15	348.61	25.893		
17,200.00	7,147.64	7,053.64	7,053.64	290.00	244.52	90.40	1,493.65	-276.41	9,121.30	8,772.69	348.61	26.164		
17,300.00	7,147.88	7,053.88	7,053.88	292.83	244.53	90.41	1,493.65	-276.41	9,215.95	8,867.34	348.61	26.436		
17,400.00	7,148.12	7,054.12	7,054.12	295.66	244.54	90.41	1,493.65	-276.41	9,310.72	8,962.10	348.61	26.708		
17,500.00	7,148.36	7,054.36	7,054.36	298.50	244.54	90.41	1,493.65	-276.41	9,405.59	9,056.97	348.61	26.980		
17,600.00	7,148.60	7,054.60	7,054.60	301.33	244.55	90.42	1,493.65	-276.41	9,500.56	9,151.95	348.61	27.252		
17,700.00	7,148.84	7,054.84	7,054.84	304.17	244.56	90.42	1,493.65	-276.41	9,595.64	9,247.03	348.61	27.525		
17,800.00	7,149.08	7,055.08	7,055.08	307.00	244.57	90.43	1,493.65	-276.41	9,690.82	9,342.20	348.61	27.798		
17,900.00	7,149.32	7,055.32	7,055.32	309.84	244.58	90.43	1,493.65	-276.41	9,786.09	9,437.48	348.61	28.071		
18,000.00	7,149.56	7,055.56	7,055.56	312.68	244.59	90.44	1,493.65	-276.41	9,881.46	9,532.84	348.62	28.345		
18,100.00	7,149.80	7,055.80	7,055.80	315.51	244.59	90.44	1,493.65	-276.41	9,976.92	9,628.30	348.62	28.619		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-126.35	-2,250.13	-3,057.70	3,796.42					
100.00	100.00	77.63	77.63	3.28	3.28	-126.35	-2,250.26	-3,057.71	3,796.49	3,789.92	6.57	577.945		
200.00	200.00	218.46	218.46	3.34	3.36	-126.36	-2,250.47	-3,057.01	3,796.18	3,789.48	6.70	566.907		
300.00	299.98	303.07	303.06	3.44	3.45	96.42	-2,250.05	-3,056.63	3,795.72	3,788.82	6.89	550.544		
306.27	306.25	308.01	308.01	3.45	3.46	96.43	-2,250.01	-3,056.63	3,795.72	3,788.81	6.91	549.366		
400.00	399.84	381.80	381.79	3.59	3.57	96.48	-2,249.71	-3,056.71	3,796.14	3,788.97	7.16	529.829		
500.00	499.45	519.30	519.29	3.80	3.85	96.65	-2,249.21	-3,056.33	3,796.68	3,789.04	7.64	497.204		
600.00	598.70	588.13	588.12	4.04	4.01	96.76	-2,248.92	-3,056.13	3,797.62	3,789.58	8.04	472.263		
700.00	697.47	721.54	721.53	4.32	4.36	97.05	-2,248.15	-3,055.67	3,798.87	3,790.19	8.68	437.614		
800.00	795.62	792.98	792.96	4.65	4.57	97.23	-2,247.59	-3,055.49	3,800.63	3,791.41	9.21	412.489		
900.00	893.06	909.96	909.94	5.01	4.93	97.57	-2,247.13	-3,055.10	3,803.09	3,793.15	9.94	382.579		
1,000.00	989.64	998.06	998.04	5.42	5.22	97.85	-2,247.05	-3,054.44	3,806.00	3,795.37	10.63	357.988		
1,044.50	1,032.32	1,038.10	1,038.08	5.61	5.35	97.99	-2,247.03	-3,054.19	3,807.55	3,796.59	10.96	347.489		
1,100.00	1,085.43	1,087.91	1,087.89	5.86	5.52	98.20	-2,247.01	-3,053.91	3,809.65	3,798.27	11.37	334.914		
1,200.00	1,181.11	1,177.62	1,177.60	6.33	5.83	98.59	-2,247.00	-3,053.53	3,813.71	3,801.55	12.15	313.780		
1,300.00	1,276.80	1,267.29	1,267.27	6.81	6.15	98.97	-2,247.04	-3,053.30	3,818.13	3,805.17	12.96	294.617		
1,400.00	1,372.49	1,356.92	1,356.90	7.31	6.48	99.36	-2,247.11	-3,053.22	3,822.92	3,809.14	13.79	277.292		
1,500.00	1,468.17	1,446.50	1,446.48	7.83	6.81	99.74	-2,247.21	-3,053.28	3,828.08	3,813.45	14.63	261.640		
1,600.00	1,563.86	1,544.37	1,544.35	8.35	7.18	100.16	-2,247.27	-3,053.51	3,833.56	3,818.04	15.52	246.976		
1,700.00	1,659.55	1,660.75	1,660.72	8.88	7.63	100.67	-2,246.47	-3,053.89	3,838.95	3,822.45	16.50	232.683		
1,800.00	1,755.23	1,765.48	1,765.45	9.42	8.03	101.13	-2,245.67	-3,053.66	3,844.08	3,826.64	17.44	220.392		
1,900.00	1,850.92	1,860.53	1,860.50	9.97	8.41	101.53	-2,245.14	-3,053.28	3,849.38	3,831.02	18.36	209.706		
2,000.00	1,946.61	1,955.23	1,955.20	10.52	8.78	101.94	-2,244.45	-3,053.04	3,854.92	3,835.65	19.28	199.984		
2,100.00	2,042.29	2,047.05	2,047.01	11.07	9.15	102.34	-2,243.79	-3,052.83	3,860.72	3,840.53	20.19	191.214		
2,200.00	2,137.98	2,138.13	2,138.09	11.63	9.51	102.72	-2,243.44	-3,052.60	3,866.87	3,845.76	21.11	183.203		
2,300.00	2,233.67	2,244.04	2,243.98	12.19	9.94	103.19	-2,242.12	-3,052.85	3,873.24	3,851.15	22.09	175.342		
2,400.00	2,329.35	2,380.85	2,380.77	12.76	10.49	103.79	-2,239.30	-3,052.64	3,879.14	3,855.93	23.21	167.163		
2,500.00	2,425.04	2,487.70	2,487.58	13.32	10.93	104.26	-2,236.78	-3,051.72	3,884.52	3,860.32	24.20	160.508		
2,600.00	2,520.72	2,565.57	2,565.44	13.89	11.25	104.60	-2,235.12	-3,051.02	3,890.22	3,865.14	25.08	155.120		
2,700.00	2,616.41	2,648.35	2,648.19	14.46	11.59	104.97	-2,233.11	-3,050.88	3,896.60	3,870.62	25.98	149.995		
2,800.00	2,712.10	2,746.20	2,746.01	15.03	11.99	105.40	-2,231.01	-3,050.69	3,903.33	3,876.39	26.94	144.873		
2,900.00	2,807.78	2,838.29	2,838.09	15.60	12.37	105.80	-2,229.11	-3,050.32	3,910.14	3,882.26	27.88	140.225		
3,000.00	2,903.47	2,920.39	2,920.17	16.18	12.71	106.15	-2,227.66	-3,050.22	3,917.54	3,888.75	28.78	136.099		
3,100.00	2,999.16	3,016.94	3,016.72	16.75	13.11	106.55	-2,226.82	-3,049.66	3,925.13	3,895.38	29.75	131.950		
3,200.00	3,094.84	3,081.62	3,081.40	17.33	13.38	106.82	-2,226.73	-3,049.42	3,933.39	3,902.82	30.57	128.668		
3,300.00	3,190.53	3,163.50	3,163.27	17.90	13.72	107.15	-2,226.75	-3,049.62	3,942.45	3,910.98	31.47	125.287		
3,400.00	3,286.22	3,238.56	3,238.33	18.48	14.03	107.46	-2,226.60	-3,050.11	3,952.00	3,919.67	32.33	122.226		
3,500.00	3,381.90	3,309.24	3,309.01	19.06	14.32	107.74	-2,227.28	-3,050.77	3,962.41	3,929.23	33.18	119.427		
3,600.00	3,477.59	3,422.10	3,421.86	19.64	14.79	108.18	-2,228.45	-3,051.60	3,972.85	3,938.63	34.22	116.108		
3,700.00	3,573.28	3,486.54	3,486.29	20.22	15.06	108.44	-2,229.09	-3,052.33	3,983.83	3,948.80	35.03	113.721		
3,800.00	3,668.96	3,628.62	3,628.36	20.80	15.65	108.98	-2,230.92	-3,053.63	3,994.95	3,958.74	36.21	110.336		
3,900.00	3,764.65	3,736.48	3,736.21	21.38	16.10	109.41	-2,231.10	-3,053.99	4,005.26	3,968.04	37.22	107.598		
4,000.00	3,860.33	3,822.16	3,821.89	21.96	16.46	109.75	-2,231.29	-3,054.41	4,015.94	3,977.80	38.14	105.297		
4,100.00	3,956.02	3,928.76	3,928.49	22.54	16.91	110.16	-2,231.66	-3,054.81	4,026.74	3,987.58	39.15	102.850		
4,200.00	4,051.71	4,035.46	4,035.19	23.13	17.35	110.57	-2,231.98	-3,054.91	4,037.45	3,997.29	40.16	100.523		
4,300.00	4,147.39	4,142.26	4,141.98	23.71	17.80	110.98	-2,232.24	-3,054.72	4,048.08	4,006.91	41.18	98.308		
4,400.00	4,243.08	4,249.15	4,248.87	24.29	18.25	111.39	-2,232.46	-3,054.24	4,058.63	4,016.44	42.19	96.196		
4,500.00	4,338.77	4,356.13	4,355.85	24.88	18.70	111.79	-2,232.62	-3,053.47	4,069.09	4,025.88	43.20	94.181		
4,600.00	4,434.45	4,463.21	4,462.92	25.46	19.15	112.19	-2,232.72	-3,052.40	4,079.45	4,035.24	44.22	92.256		
4,700.00	4,530.14	4,522.89	4,522.61	26.04	19.40	112.42	-2,232.65	-3,052.59	4,090.80	4,045.79	45.01	90.883		
4,800.00	4,625.83	4,623.88	4,623.60	26.63	19.82	112.80	-2,232.47	-3,052.16	4,101.93	4,055.93	46.00	89.178		
4,900.00	4,721.51	4,677.98	4,677.70	27.21	20.05	113.01	-2,232.46	-3,052.29	4,113.89	4,067.13	46.76	87.985		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,786.37	4,786.08	27.80	20.51	113.42	-2,232.36	-3,053.25	4,126.62	4,078.84	47.78	86.374		
5,100.00	4,912.89	4,869.00	4,868.71	28.38	20.86	113.74	-2,231.71	-3,053.88	4,139.19	4,090.52	48.67	85.047		
5,200.00	5,008.57	5,005.03	5,004.72	28.97	21.43	114.26	-2,230.44	-3,054.94	4,151.98	4,102.16	49.82	83.337		
5,300.00	5,104.26	5,065.99	5,065.68	29.55	21.69	114.49	-2,230.20	-3,055.16	4,164.63	4,114.02	50.61	82.290		
5,400.00	5,199.94	5,183.44	5,183.13	30.14	22.19	114.93	-2,229.97	-3,055.97	4,177.89	4,126.22	51.67	80.855		
5,500.00	5,295.63	5,260.98	5,260.67	30.72	22.52	115.21	-2,229.79	-3,056.15	4,190.83	4,138.29	52.54	79.769		
5,600.00	5,391.32	5,380.32	5,380.01	31.31	23.02	115.65	-2,229.03	-3,057.00	4,204.33	4,150.72	53.61	78.428		
5,700.00	5,487.00	5,463.61	5,463.29	31.90	23.37	115.96	-2,228.19	-3,057.18	4,217.39	4,162.89	54.50	77.383		
5,800.00	5,582.69	5,547.40	5,547.07	32.48	23.73	116.28	-2,227.05	-3,057.90	4,231.10	4,175.71	55.39	76.383		
5,900.00	5,678.38	5,637.41	5,637.06	33.07	24.11	116.62	-2,225.71	-3,058.75	4,245.05	4,188.73	56.32	75.380		
6,000.00	5,774.06	5,727.84	5,727.48	33.65	24.49	116.95	-2,224.89	-3,059.71	4,259.41	4,202.17	57.24	74.414		
6,100.00	5,869.75	5,856.57	5,856.20	34.24	25.04	117.43	-2,223.21	-3,060.70	4,273.59	4,215.23	58.36	73.233		
6,200.00	5,965.44	5,954.59	5,954.22	34.83	25.46	117.78	-2,222.28	-3,060.74	4,287.34	4,228.02	59.32	72.278		
6,300.00	6,061.12	6,049.58	6,049.20	35.41	25.86	118.12	-2,221.23	-3,061.05	4,301.47	4,241.21	60.26	71.379		
6,400.00	6,156.81	6,170.81	6,170.43	36.00	26.37	118.54	-2,220.90	-3,060.72	4,315.40	4,254.06	61.34	70.353		
6,500.00	6,252.50	6,245.47	6,245.09	36.59	26.69	118.80	-2,220.43	-3,060.39	4,329.28	4,267.10	62.18	69.624		
6,600.00	6,348.18	6,313.69	6,313.30	37.18	26.98	119.04	-2,220.09	-3,060.67	4,344.07	4,281.08	62.99	68.968		
6,636.04	6,382.67	6,374.86	6,374.47	37.39	27.24	119.25	-2,219.69	-3,060.87	4,349.41	4,285.94	63.46	68.533		
6,650.00	6,396.05	6,398.61	6,398.22	37.47	27.34	116.09	-2,219.48	-3,060.86	4,351.27	4,287.63	63.65	68.364		
6,700.00	6,444.38	6,434.82	6,434.43	37.74	27.49	101.69	-2,219.22	-3,060.82	4,355.54	4,291.50	64.05	68.006		
6,750.00	6,493.07	6,470.53	6,470.14	37.98	27.65	83.16	-2,219.09	-3,060.87	4,356.14	4,291.73	64.42	67.625		
6,800.00	6,541.82	6,512.75	6,512.36	38.18	27.82	63.60	-2,219.10	-3,061.02	4,353.06	4,288.27	64.79	67.187		
6,850.00	6,590.35	6,584.25	6,583.86	38.35	28.13	47.11	-2,219.04	-3,061.10	4,346.05	4,280.77	65.29	66.570		
6,900.00	6,638.34	6,628.61	6,628.22	38.50	28.32	34.87	-2,218.93	-3,061.03	4,335.14	4,269.52	65.61	66.073		
6,950.00	6,685.50	6,745.64	6,653.97	38.64	28.81	26.13	-2,218.84	-3,060.97	4,320.57	4,254.36	66.20	65.261		
7,000.00	6,731.54	6,700.53	6,700.13	38.77	28.62	19.85	-2,219.20	-3,061.09	4,302.60	4,236.49	66.11	65.082		
7,050.00	6,776.18	6,745.29	6,744.90	38.90	28.81	15.12	-2,219.55	-3,061.21	4,281.11	4,214.73	66.38	64.493		
7,100.00	6,819.14	6,788.39	6,787.99	39.03	28.99	11.38	-2,219.89	-3,061.31	4,256.23	4,189.60	66.63	63.878		
7,150.00	6,860.16	6,829.55	6,829.15	39.16	29.17	8.27	-2,220.21	-3,061.42	4,228.11	4,161.25	66.86	63.239		
7,200.00	6,898.98	6,868.51	6,868.11	39.31	29.33	5.54	-2,220.51	-3,061.52	4,196.91	4,129.84	67.07	62.575		
7,250.00	6,935.36	6,905.04	6,904.65	39.47	29.49	2.99	-2,220.80	-3,061.61	4,162.83	4,095.57	67.26	61.890		
7,300.00	6,969.08	6,938.92	6,938.52	39.65	29.63	0.46	-2,221.06	-3,061.70	4,126.08	4,058.64	67.44	61.185		
7,350.00	6,999.94	6,969.93	6,969.53	39.85	29.76	-2.21	-2,221.30	-3,061.78	4,086.88	4,019.28	67.59	60.462		
7,400.00	7,027.74	6,997.88	6,997.48	40.08	29.88	-5.22	-2,221.52	-3,061.85	4,045.47	3,977.73	67.74	59.723		
7,450.00	7,052.31	7,022.61	7,022.21	40.34	29.99	-8.84	-2,221.71	-3,061.91	4,002.11	3,934.25	67.87	58.971		
7,500.00	7,073.49	7,043.95	7,043.55	40.63	30.08	-13.45	-2,221.88	-3,061.97	3,957.08	3,889.10	67.98	58.208		
7,550.00	7,091.17	7,061.78	7,061.37	40.95	30.15	-19.70	-2,222.02	-3,062.01	3,910.65	3,842.56	68.08	57.438		
7,600.00	7,105.22	7,075.98	7,075.58	41.31	30.21	-28.67	-2,222.13	-3,062.05	3,863.11	3,794.93	68.18	56.663		
7,650.00	7,115.57	7,086.47	7,086.07	41.71	30.26	-41.97	-2,222.21	-3,062.07	3,814.76	3,746.50	68.26	55.886		
7,700.00	7,122.15	7,093.19	7,092.79	42.15	30.29	-61.02	-2,222.26	-3,062.09	3,765.90	3,697.57	68.33	55.111		
7,750.00	7,124.91	7,096.09	7,095.68	42.62	30.30	-83.85	-2,222.29	-3,062.10	3,716.85	3,648.45	68.40	54.340		
7,759.54	7,125.00	7,096.21	7,095.80	42.72	30.30	-88.12	-2,222.29	-3,062.10	3,707.49	3,639.08	68.41	54.193		
7,800.00	7,125.10	7,096.41	7,096.01	43.13	30.30	-88.14	-2,222.29	-3,062.10	3,667.83	3,599.37	68.46	53.573		
7,900.00	7,125.34	7,096.91	7,096.51	44.28	30.30	-88.18	-2,222.29	-3,062.10	3,569.89	3,501.28	68.61	52.034		
8,000.00	7,125.58	7,097.41	7,097.01	45.61	30.30	-88.22	-2,222.30	-3,062.10	3,472.06	3,403.29	68.77	50.487		
8,100.00	7,125.82	7,097.92	7,097.51	47.10	30.31	-88.26	-2,222.30	-3,062.10	3,374.36	3,305.40	68.96	48.933		
8,200.00	7,126.06	7,098.42	7,098.01	48.72	30.31	-88.30	-2,222.31	-3,062.10	3,276.80	3,207.62	69.17	47.370		
8,300.00	7,126.30	7,098.92	7,098.52	50.48	30.31	-88.33	-2,222.31	-3,062.10	3,179.39	3,109.97	69.42	45.799		
8,400.00	7,126.54	7,099.42	7,099.02	52.34	30.31	-88.37	-2,222.31	-3,062.11	3,082.14	3,012.44	69.70	44.219		
8,500.00	7,126.78	7,099.92	7,099.52	54.30	30.31	-88.41	-2,222.32	-3,062.11	2,985.08	2,915.06	70.02	42.631		
8,600.00	7,127.02	7,100.43	7,100.02	56.35	30.32	-88.45	-2,222.32	-3,062.11	2,888.22	2,817.83	70.39	41.034		
8,700.00	7,127.26	7,100.93	7,100.52	58.47	30.32	-88.49	-2,222.33	-3,062.11	2,791.57	2,720.77	70.80	39.428		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,101.43	7,101.03	60.66	30.32	-88.53	-2,222.33	-3,062.11	2,695.18	2,623.90	71.27	37.814		
8,900.00	7,127.74	7,101.93	7,101.53	62.90	30.32	-88.57	-2,222.33	-3,062.11	2,599.05	2,527.24	71.81	36.192		
9,000.00	7,127.98	7,102.43	7,102.03	65.19	30.32	-88.61	-2,222.34	-3,062.11	2,503.23	2,430.80	72.43	34.562		
9,100.00	7,128.22	7,102.94	7,102.53	67.53	30.33	-88.65	-2,222.34	-3,062.12	2,407.75	2,334.62	73.13	32.925		
9,200.00	7,128.46	7,103.44	7,103.03	69.92	30.33	-88.69	-2,222.34	-3,062.12	2,312.65	2,238.72	73.93	31.283		
9,300.00	7,128.70	7,103.94	7,103.54	72.33	30.33	-88.73	-2,222.35	-3,062.12	2,217.98	2,143.14	74.84	29.636		
9,400.00	7,128.94	7,104.44	7,104.04	74.78	30.33	-88.77	-2,222.35	-3,062.12	2,123.80	2,047.92	75.88	27.988		
9,500.00	7,129.18	7,104.94	7,104.54	77.26	30.34	-88.81	-2,222.36	-3,062.12	2,030.18	1,953.10	77.08	26.340		
9,600.00	7,129.42	7,105.45	7,105.04	79.76	30.34	-88.85	-2,222.36	-3,062.12	1,937.19	1,858.75	78.44	24.696		
9,700.00	7,129.66	7,105.95	7,105.54	82.29	30.34	-88.89	-2,222.36	-3,062.12	1,844.94	1,764.94	80.01	23.060		
9,800.00	7,129.90	7,106.45	7,106.04	84.84	30.34	-88.93	-2,222.37	-3,062.12	1,753.54	1,671.74	81.80	21.437		
9,900.00	7,130.14	7,106.95	7,106.55	87.41	30.34	-88.97	-2,222.37	-3,062.13	1,663.13	1,579.27	83.86	19.832		
10,000.00	7,130.38	7,107.45	7,107.05	90.00	30.35	-89.00	-2,222.38	-3,062.13	1,573.87	1,487.65	86.22	18.253		
10,100.00	7,130.62	7,107.96	7,107.55	92.60	30.35	-89.04	-2,222.38	-3,062.13	1,485.99	1,397.05	88.94	16.708		
10,200.00	7,130.86	7,108.46	7,108.05	95.22	30.35	-89.08	-2,222.38	-3,062.13	1,399.73	1,307.68	92.06	15.205		
10,300.00	7,131.09	7,108.96	7,108.55	97.85	30.35	-89.12	-2,222.39	-3,062.13	1,315.43	1,219.80	95.63	13.756		
10,400.00	7,131.33	7,109.46	7,109.06	100.50	30.35	-89.16	-2,222.39	-3,062.13	1,233.46	1,133.75	99.71	12.370		
10,500.00	7,131.57	7,109.96	7,109.56	103.16	30.36	-89.20	-2,222.40	-3,062.13	1,154.35	1,049.98	104.37	11.061		
10,600.00	7,131.81	7,110.47	7,110.06	105.82	30.36	-89.24	-2,222.40	-3,062.13	1,078.70	969.07	109.63	9.839		
10,700.00	7,132.05	7,110.97	7,110.56	108.50	30.36	-89.28	-2,222.40	-3,062.14	1,007.32	891.79	115.52	8.720		
10,800.00	7,132.29	7,111.47	7,111.06	111.19	30.36	-89.32	-2,222.41	-3,062.14	941.16	819.14	122.01	7.714		
10,900.00	7,132.53	7,111.97	7,111.57	113.88	30.37	-89.36	-2,222.41	-3,062.14	881.40	752.42	128.98	6.834		
11,000.00	7,132.77	7,112.47	7,112.07	116.58	30.37	-89.40	-2,222.42	-3,062.14	829.42	693.24	136.19	6.090		
11,100.00	7,133.01	7,112.98	7,112.57	119.29	30.37	-89.44	-2,222.42	-3,062.14	786.78	643.54	143.24	5.493		
11,200.00	7,133.25	7,113.48	7,113.07	122.01	30.37	-89.48	-2,222.42	-3,062.14	755.06	605.47	149.59	5.048		
11,300.00	7,133.49	7,113.98	7,113.57	124.73	30.37	-89.52	-2,222.43	-3,062.14	735.66	581.04	154.62	4.758		
11,394.59	7,133.72	7,114.45	7,114.05	127.31	30.38	-89.55	-2,222.43	-3,062.14	729.55	571.89	157.66	4.627 CC		
11,400.00	7,133.73	7,114.48	7,114.08	127.46	30.38	-89.56	-2,222.43	-3,062.14	729.57	571.79	157.78	4.624 ES, SF		
11,500.00	7,133.97	7,114.98	7,114.58	130.19	30.38	-89.60	-2,222.43	-3,062.15	737.13	578.34	158.79	4.642		
11,600.00	7,134.21	7,115.49	7,115.08	132.93	30.38	-89.64	-2,222.44	-3,062.15	757.92	600.20	157.72	4.805		
11,700.00	7,134.45	7,115.99	7,115.58	135.68	30.38	-89.68	-2,222.44	-3,062.15	790.90	635.96	154.94	5.105		
11,800.00	7,134.69	7,116.49	7,116.08	138.43	30.38	-89.71	-2,222.45	-3,062.15	834.62	683.65	150.97	5.528		
11,900.00	7,134.93	7,116.99	7,116.59	141.18	30.39	-89.75	-2,222.45	-3,062.15	887.51	741.18	146.33	6.065		
12,000.00	7,135.17	7,117.49	7,117.09	143.94	30.39	-89.79	-2,222.45	-3,062.15	948.03	806.58	141.44	6.702		
12,100.00	7,135.41	7,118.00	7,117.59	146.70	30.39	-89.83	-2,222.46	-3,062.15	1,014.81	878.21	136.60	7.429		
12,200.00	7,135.65	7,118.50	7,118.09	149.46	30.39	-89.87	-2,222.46	-3,062.15	1,086.70	954.74	131.96	8.235		
12,300.00	7,135.89	7,119.00	7,118.59	152.23	30.39	-89.91	-2,222.47	-3,062.16	1,162.75	1,035.11	127.64	9.109		
12,400.00	7,136.13	7,119.50	7,119.10	155.00	30.40	-89.95	-2,222.47	-3,062.16	1,242.20	1,118.53	123.67	10.044		
12,500.00	7,136.37	7,120.00	7,119.60	157.78	30.40	-89.99	-2,222.47	-3,062.16	1,324.44	1,204.38	120.06	11.032		
12,600.00	7,136.61	7,120.51	7,120.10	160.55	30.40	-90.03	-2,222.48	-3,062.16	1,408.98	1,292.20	116.78	12.065		
12,700.00	7,136.85	7,121.01	7,120.60	163.33	30.40	-90.07	-2,222.48	-3,062.16	1,495.42	1,381.60	113.82	13.138		
12,800.00	7,137.09	7,121.51	7,121.10	166.12	30.41	-90.11	-2,222.49	-3,062.16	1,583.47	1,472.31	111.16	14.246		
12,900.00	7,137.33	7,122.01	7,121.61	168.90	30.41	-90.15	-2,222.49	-3,062.16	1,672.86	1,564.11	108.75	15.383		
13,000.00	7,137.57	7,122.51	7,122.11	171.69	30.41	-90.19	-2,222.49	-3,062.16	1,763.38	1,656.81	106.57	16.547		
13,100.00	7,137.81	7,123.02	7,122.61	174.48	30.41	-90.23	-2,222.50	-3,062.17	1,854.88	1,750.28	104.60	17.733		
13,200.00	7,138.05	7,123.52	7,123.11	177.27	30.41	-90.27	-2,222.50	-3,062.17	1,947.22	1,844.41	102.81	18.939		
13,300.00	7,138.29	7,124.02	7,123.61	180.07	30.42	-90.31	-2,222.51	-3,062.17	2,040.28	1,939.09	101.19	20.163		
13,400.00	7,138.53	7,124.52	7,124.12	182.86	30.42	-90.35	-2,222.51	-3,062.17	2,133.97	2,034.25	99.72	21.400		
13,500.00	7,138.77	7,125.02	7,124.62	185.66	30.42	-90.38	-2,222.51	-3,062.17	2,228.20	2,129.83	98.37	22.651		
13,600.00	7,139.01	7,125.52	7,125.12	188.46	30.42	-90.42	-2,222.52	-3,062.17	2,322.92	2,225.78	97.14	23.913		
13,700.00	7,139.25	7,126.03	7,125.62	191.26	30.42	-90.46	-2,222.52	-3,062.17	2,418.06	2,322.05	96.01	25.184		
13,800.00	7,139.49	7,126.53	7,126.12	194.06	30.43	-90.50	-2,222.52	-3,062.18	2,513.58	2,418.60	94.98	26.464		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,127.03	7,126.63	196.87	30.43	-90.54	-2,222.53	-3,062.18	2,609.44	2,515.40	94.03	27.750		
14,000.00	7,139.97	7,127.53	7,127.13	199.68	30.43	-90.58	-2,222.53	-3,062.18	2,705.59	2,612.43	93.16	29.043		
14,100.00	7,140.21	7,128.03	7,127.63	202.48	30.43	-90.62	-2,222.54	-3,062.18	2,802.02	2,709.66	92.35	30.340		
14,200.00	7,140.45	7,128.54	7,128.13	205.29	30.44	-90.66	-2,222.54	-3,062.18	2,898.68	2,807.08	91.61	31.642		
14,300.00	7,140.69	7,129.04	7,128.63	208.10	30.44	-90.70	-2,222.54	-3,062.18	2,995.57	2,904.65	90.92	32.947		
14,400.00	7,140.93	7,129.54	7,129.13	210.91	30.44	-90.74	-2,222.55	-3,062.18	3,092.65	3,002.37	90.28	34.256		
14,500.00	7,141.17	7,130.04	7,129.64	213.73	30.44	-90.78	-2,222.55	-3,062.18	3,189.92	3,100.23	89.69	35.566		
14,600.00	7,141.41	7,130.54	7,130.14	216.54	30.44	-90.82	-2,222.56	-3,062.19	3,287.34	3,198.20	89.14	36.878		
14,700.00	7,141.65	7,131.05	7,130.64	219.36	30.45	-90.86	-2,222.56	-3,062.19	3,384.92	3,296.29	88.63	38.192		
14,800.00	7,141.89	7,131.55	7,131.14	222.17	30.45	-90.90	-2,222.56	-3,062.19	3,482.64	3,394.48	88.15	39.507		
14,900.00	7,142.13	7,132.05	7,131.64	224.99	30.45	-90.94	-2,222.57	-3,062.19	3,580.48	3,492.77	87.71	40.822		
15,000.00	7,142.36	7,132.55	7,132.15	227.81	30.45	-90.98	-2,222.57	-3,062.19	3,678.44	3,591.14	87.30	42.137		
15,100.00	7,142.60	7,133.05	7,132.65	230.63	30.45	-91.02	-2,222.58	-3,062.19	3,776.50	3,689.59	86.91	43.452		
15,200.00	7,142.84	7,133.56	7,133.15	233.45	30.46	-91.05	-2,222.58	-3,062.19	3,874.66	3,788.11	86.55	44.767		
15,300.00	7,143.08	7,134.06	7,133.65	236.27	30.46	-91.09	-2,222.58	-3,062.19	3,972.92	3,886.70	86.21	46.082		
15,400.00	7,143.32	7,134.56	7,134.15	239.09	30.46	-91.13	-2,222.59	-3,062.20	4,071.26	3,985.36	85.90	47.395		
15,500.00	7,143.56	7,135.06	7,134.66	241.91	30.46	-91.17	-2,222.59	-3,062.20	4,169.68	4,084.07	85.61	48.708		
15,600.00	7,143.80	7,135.56	7,135.16	244.73	30.47	-91.21	-2,222.60	-3,062.20	4,268.17	4,182.84	85.33	50.019		
15,700.00	7,144.04	7,136.07	7,135.66	247.56	30.47	-91.25	-2,222.60	-3,062.20	4,366.73	4,281.66	85.07	51.329		
15,800.00	7,144.28	7,136.57	7,136.16	250.38	30.47	-91.29	-2,222.60	-3,062.20	4,465.35	4,380.52	84.83	52.638		
15,900.00	7,144.52	7,137.07	7,136.66	253.21	30.47	-91.33	-2,222.61	-3,062.20	4,564.04	4,479.43	84.61	53.944		
16,000.00	7,144.76	7,137.57	7,137.17	256.03	30.47	-91.37	-2,222.61	-3,062.20	4,662.78	4,578.38	84.40	55.249		
16,100.00	7,145.00	7,138.07	7,137.67	258.86	30.48	-91.41	-2,222.61	-3,062.20	4,761.57	4,677.37	84.20	56.552		
16,200.00	7,145.24	7,138.58	7,138.17	261.69	30.48	-91.45	-2,222.62	-3,062.21	4,860.41	4,776.40	84.01	57.853		
16,300.00	7,145.48	7,139.08	7,138.67	264.52	30.48	-91.49	-2,222.62	-3,062.21	4,959.30	4,875.46	83.84	59.152		
16,400.00	7,145.72	7,139.58	7,139.17	267.35	30.48	-91.53	-2,222.63	-3,062.21	5,058.23	4,974.56	83.68	60.449		
16,500.00	7,145.96	7,140.08	7,139.68	270.18	30.48	-91.57	-2,222.63	-3,062.21	5,157.21	5,073.68	83.53	61.743		
16,600.00	7,146.20	7,140.58	7,140.18	273.01	30.49	-91.61	-2,222.63	-3,062.21	5,256.22	5,172.83	83.39	63.035		
16,700.00	7,146.44	7,141.09	7,140.68	275.84	30.49	-91.65	-2,222.64	-3,062.21	5,355.27	5,272.01	83.25	64.324		
16,800.00	7,146.68	7,141.59	7,141.18	278.67	30.49	-91.68	-2,222.64	-3,062.21	5,454.35	5,371.22	83.13	65.611		
16,900.00	7,146.92	7,142.09	7,141.68	281.50	30.49	-91.72	-2,222.65	-3,062.21	5,553.47	5,470.45	83.02	66.895		
17,000.00	7,147.16	7,142.59	7,142.19	284.33	30.50	-91.76	-2,222.65	-3,062.22	5,652.62	5,569.70	82.91	68.176		
17,100.00	7,147.40	7,143.09	7,142.69	287.16	30.50	-91.80	-2,222.65	-3,062.22	5,751.79	5,668.98	82.81	69.455		
17,200.00	7,147.64	7,143.60	7,143.19	290.00	30.50	-91.84	-2,222.66	-3,062.22	5,851.00	5,768.27	82.72	70.730		
17,300.00	7,147.88	7,144.10	7,143.69	292.83	30.50	-91.88	-2,222.66	-3,062.22	5,950.23	5,867.59	82.64	72.003		
17,400.00	7,148.12	7,144.60	7,144.19	295.66	30.50	-91.92	-2,222.67	-3,062.22	6,049.49	5,966.92	82.56	73.273		
17,500.00	7,148.36	7,145.10	7,144.70	298.50	30.51	-91.96	-2,222.67	-3,062.22	6,148.77	6,066.28	82.49	74.540		
17,600.00	7,148.60	7,145.60	7,145.20	301.33	30.51	-92.00	-2,222.67	-3,062.22	6,248.07	6,165.65	82.42	75.804		
17,700.00	7,148.84	7,146.11	7,145.70	304.17	30.51	-92.04	-2,222.68	-3,062.22	6,347.40	6,265.03	82.36	77.064		
17,800.00	7,149.08	7,146.61	7,146.20	307.00	30.51	-92.08	-2,222.68	-3,062.23	6,446.74	6,364.43	82.31	78.322		
17,900.00	7,149.32	7,147.11	7,146.70	309.84	30.51	-92.12	-2,222.69	-3,062.23	6,546.11	6,463.85	82.26	79.577		
18,000.00	7,149.56	7,147.61	7,147.21	312.68	30.52	-92.16	-2,222.69	-3,062.23	6,645.49	6,563.28	82.22	80.828		
18,100.00	7,149.80	7,148.11	7,147.71	315.51	30.52	-92.20	-2,222.69	-3,062.23	6,744.90	6,662.72	82.18	82.076		
18,200.00	7,150.04	7,148.62	7,148.21	318.35	30.52	-92.24	-2,222.70	-3,062.23	6,844.32	6,762.17	82.14	83.321		
18,300.00	7,150.28	7,149.12	7,148.71	321.19	30.52	-92.27	-2,222.70	-3,062.23	6,943.75	6,861.64	82.11	84.562		
18,400.00	7,150.52	7,149.62	7,149.21	324.03	30.52	-92.31	-2,222.70	-3,062.23	7,043.21	6,961.12	82.09	85.800		
18,500.00	7,150.76	7,150.12	7,149.72	326.86	30.53	-92.35	-2,222.71	-3,062.24	7,142.68	7,060.61	82.07	87.035		
18,600.00	7,151.00	7,150.62	7,150.22	329.70	30.53	-92.39	-2,222.71	-3,062.24	7,242.16	7,160.11	82.05	88.267		
18,700.00	7,151.24	7,151.13	7,150.72	332.54	30.53	-92.43	-2,222.72	-3,062.24	7,341.66	7,259.62	82.03	89.495		
18,800.00	7,151.48	7,151.63	7,151.22	335.38	30.53	-92.47	-2,222.72	-3,062.24	7,441.17	7,359.14	82.02	90.719		
18,900.00	7,151.72	7,152.13	7,151.72	338.22	30.54	-92.51	-2,222.72	-3,062.24	7,540.69	7,458.67	82.02	91.940		
19,000.00	7,151.96	7,152.63	7,152.22	341.06	30.54	-92.55	-2,222.73	-3,062.24	7,640.22	7,558.21	82.01	93.158		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design											Falken 9-11 PAD - Jeff #1 - OH - OH		Offset Site Error:		0.00 ft	
Survey Program:											100-GYRO-NS		Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S	(ft)	(ft)	(ft)	(ft)	(ft)				
19,018.30	7,152.00	7,152.72	7,152.32	341.58	30.54	-92.56	-2,222.73	-3,062.24	7,658.44	7,576.43	82.01	93.380				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	5.48	5.48	3.28	3.28	-119.35	-953.70	-1,696.19	1,945.92					
100.00	100.00	115.16	115.16	3.28	3.29	-119.34	-953.40	-1,696.01	1,945.64	1,939.07	6.57	295.951		
200.00	200.00	213.96	213.96	3.34	3.35	-119.35	-953.31	-1,695.53	1,945.18	1,938.49	6.69	290.688		
247.74	247.74	260.26	260.26	3.38	3.40	103.41	-953.38	-1,695.27	1,945.07	1,938.29	6.78	286.807		
300.00	299.98	310.74	310.74	3.44	3.47	103.44	-953.46	-1,695.02	1,945.20	1,938.30	6.91	281.691		
400.00	399.84	406.41	406.41	3.59	3.62	103.55	-953.72	-1,694.69	1,946.25	1,939.04	7.21	269.970		
500.00	499.45	508.64	508.63	3.80	3.82	103.76	-953.89	-1,694.42	1,948.16	1,940.55	7.61	255.874		
600.00	598.70	605.28	605.27	4.04	4.05	104.04	-953.88	-1,694.28	1,950.98	1,942.89	8.09	241.254		
700.00	697.47	692.27	692.26	4.32	4.28	104.35	-953.84	-1,694.53	1,955.09	1,946.49	8.60	227.287		
800.00	795.62	787.20	787.20	4.65	4.55	104.76	-953.99	-1,695.12	1,960.61	1,951.41	9.20	213.164		
900.00	893.06	890.77	890.76	5.01	4.87	105.30	-954.17	-1,695.67	1,967.15	1,957.27	9.88	199.151		
1,000.00	989.64	988.33	988.32	5.42	5.18	105.87	-954.00	-1,696.12	1,974.68	1,964.08	10.59	186.383		
1,044.50	1,032.32	1,033.11	1,033.10	5.61	5.33	106.16	-953.95	-1,696.28	1,978.42	1,967.48	10.93	180.932		
1,100.00	1,085.43	1,089.79	1,089.78	5.86	5.52	106.62	-953.93	-1,696.37	1,983.22	1,971.85	11.37	174.379		
1,200.00	1,181.11	1,179.92	1,179.90	6.33	5.84	107.34	-954.19	-1,696.39	1,992.21	1,980.06	12.15	163.999		
1,300.00	1,276.80	1,264.02	1,264.01	6.81	6.14	108.00	-954.71	-1,696.68	2,001.98	1,989.05	12.93	154.890		
1,400.00	1,372.49	1,356.42	1,356.40	7.31	6.48	108.73	-954.98	-1,697.65	2,012.61	1,998.85	13.75	146.336		
1,500.00	1,468.17	1,463.80	1,463.77	7.83	6.88	109.56	-955.80	-1,698.26	2,023.37	2,008.71	14.66	138.045		
1,600.00	1,563.86	1,574.04	1,574.01	8.35	7.29	110.40	-956.46	-1,698.10	2,033.78	2,018.19	15.59	130.465		
1,700.00	1,659.55	1,678.53	1,678.50	8.88	7.70	111.18	-956.88	-1,697.39	2,043.99	2,027.48	16.51	123.805		
1,800.00	1,755.23	1,757.61	1,757.58	9.42	8.00	111.78	-956.97	-1,697.00	2,054.63	2,037.30	17.34	118.520		
1,900.00	1,850.92	1,841.79	1,841.76	9.97	8.33	112.41	-957.05	-1,697.50	2,066.56	2,048.37	18.19	113.622		
2,000.00	1,946.61	1,941.44	1,941.40	10.52	8.73	113.15	-957.57	-1,697.93	2,078.82	2,059.71	19.11	108.771		
2,100.00	2,042.29	2,042.81	2,042.77	11.07	9.13	113.88	-958.08	-1,698.18	2,091.26	2,071.21	20.05	104.307		
2,200.00	2,137.98	2,141.37	2,141.33	11.63	9.52	114.59	-958.56	-1,698.08	2,103.69	2,082.71	20.98	100.279		
2,300.00	2,233.67	2,231.03	2,230.99	12.19	9.88	115.24	-958.64	-1,698.27	2,116.61	2,094.74	21.87	96.777		
2,400.00	2,329.35	2,324.70	2,324.66	12.76	10.26	115.90	-958.93	-1,698.64	2,130.07	2,107.29	22.78	93.489		
2,500.00	2,425.04	2,425.99	2,425.95	13.32	10.68	116.60	-959.42	-1,698.82	2,143.69	2,119.95	23.73	90.320		
2,600.00	2,520.72	2,523.23	2,523.19	13.89	11.07	117.27	-959.91	-1,698.85	2,157.48	2,132.81	24.67	87.461		
2,700.00	2,616.41	2,621.58	2,621.54	14.46	11.48	117.94	-960.31	-1,698.81	2,171.47	2,145.86	25.61	84.798		
2,800.00	2,712.10	2,719.39	2,719.34	15.03	11.88	118.59	-960.65	-1,698.64	2,185.61	2,159.07	26.55	82.335		
2,900.00	2,807.78	2,812.40	2,812.36	15.60	12.26	119.20	-961.25	-1,698.51	2,200.13	2,172.67	27.46	80.116		
3,000.00	2,903.47	2,918.90	2,918.85	16.18	12.70	119.89	-961.95	-1,698.02	2,214.61	2,186.17	28.44	77.861		
3,100.00	2,999.16	3,005.82	3,005.77	16.75	13.06	120.44	-962.33	-1,697.71	2,229.44	2,200.11	29.33	76.012		
3,200.00	3,094.84	3,105.69	3,105.63	17.33	13.47	121.08	-962.63	-1,697.49	2,244.62	2,214.34	30.28	74.129		
3,300.00	3,190.53	3,189.59	3,189.53	17.90	13.82	121.61	-962.89	-1,697.46	2,260.24	2,229.09	31.15	72.559		
3,400.00	3,286.22	3,277.08	3,277.02	18.48	14.19	122.16	-963.17	-1,697.82	2,276.54	2,244.50	32.04	71.059		
3,500.00	3,381.90	3,376.35	3,376.29	19.06	14.60	122.77	-963.51	-1,698.37	2,293.24	2,260.26	32.98	69.527		
3,600.00	3,477.59	3,471.46	3,471.40	19.64	15.00	123.35	-964.02	-1,698.71	2,310.02	2,276.11	33.91	68.125		
3,700.00	3,573.28	3,560.25	3,560.19	20.22	15.37	123.88	-964.29	-1,699.22	2,327.22	2,292.42	34.80	66.876		
3,800.00	3,668.96	3,659.58	3,659.52	20.80	15.79	124.46	-964.96	-1,699.94	2,344.85	2,309.10	35.74	65.599		
3,900.00	3,764.65	3,760.55	3,760.48	21.38	16.21	125.03	-966.09	-1,700.26	2,362.34	2,325.64	36.70	64.370		
4,000.00	3,860.33	3,851.16	3,851.08	21.96	16.59	125.53	-967.12	-1,700.55	2,380.07	2,342.48	37.60	63.303		
4,100.00	3,956.02	3,936.98	3,936.89	22.54	16.95	126.01	-967.98	-1,701.14	2,398.35	2,359.88	38.47	62.345		
4,200.00	4,051.71	4,023.88	4,023.79	23.13	17.32	126.49	-968.47	-1,702.17	2,417.26	2,377.92	39.34	61.440		
4,300.00	4,147.39	4,118.15	4,118.05	23.71	17.71	127.02	-968.84	-1,703.45	2,436.53	2,396.27	40.26	60.524		
4,400.00	4,243.08	4,213.29	4,213.18	24.29	18.11	127.54	-969.05	-1,704.82	2,456.09	2,414.91	41.17	59.651		
4,500.00	4,338.77	4,328.49	4,328.37	24.88	18.60	128.19	-968.13	-1,706.07	2,475.45	2,433.25	42.20	58.655		
4,600.00	4,434.45	4,444.14	4,444.01	25.46	19.08	128.83	-966.84	-1,706.36	2,494.21	2,450.98	43.23	57.694		
4,700.00	4,530.14	4,545.91	4,545.77	26.04	19.51	129.39	-965.74	-1,706.01	2,512.63	2,468.45	44.18	56.870		
4,800.00	4,625.83	4,636.21	4,636.07	26.63	19.88	129.87	-965.32	-1,705.71	2,531.30	2,486.23	45.07	56.164		
4,900.00	4,721.51	4,732.89	4,732.74	27.21	20.29	130.38	-964.48	-1,705.65	2,550.42	2,504.43	45.99	55.455		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,838.32	4,838.17	27.80	20.73	130.93	-963.47	-1,705.01	2,569.19	2,522.23	46.96	54.711		
5,100.00	4,912.89	4,929.43	4,929.28	28.38	21.12	131.39	-963.15	-1,704.65	2,588.37	2,540.53	47.85	54.095		
5,200.00	5,008.57	5,030.22	5,030.07	28.97	21.54	131.89	-962.81	-1,703.94	2,607.44	2,558.65	48.79	53.441		
5,300.00	5,104.26	5,108.76	5,108.61	29.55	21.87	132.28	-962.36	-1,703.72	2,627.10	2,577.50	49.60	52.961		
5,400.00	5,199.94	5,198.50	5,198.34	30.14	22.25	132.72	-961.73	-1,703.83	2,647.33	2,596.85	50.48	52.442		
5,500.00	5,295.63	5,290.86	5,290.70	30.72	22.64	133.17	-961.04	-1,704.10	2,667.90	2,616.53	51.37	51.933		
5,600.00	5,391.32	5,385.79	5,385.62	31.31	23.04	133.62	-960.36	-1,704.45	2,688.71	2,636.44	52.28	51.433		
5,700.00	5,487.00	5,477.00	5,476.83	31.90	23.42	134.04	-959.85	-1,704.85	2,709.76	2,656.60	53.16	50.976		
5,800.00	5,582.69	5,578.75	5,578.58	32.48	23.86	134.51	-959.38	-1,705.33	2,730.99	2,676.89	54.10	50.478		
5,900.00	5,678.38	5,668.60	5,668.43	33.07	24.24	134.91	-958.98	-1,705.65	2,752.26	2,697.29	54.97	50.064		
6,000.00	5,774.06	5,765.21	5,765.03	33.65	24.64	135.34	-958.54	-1,706.20	2,773.89	2,718.01	55.89	49.634		
6,100.00	5,869.75	5,865.07	5,864.89	34.24	25.07	135.78	-957.98	-1,706.57	2,795.49	2,738.67	56.82	49.200		
6,200.00	5,965.44	5,954.97	5,954.79	34.83	25.45	136.17	-957.63	-1,706.90	2,817.22	2,759.54	57.69	48.836		
6,300.00	6,061.12	6,070.54	6,070.36	35.41	25.94	136.65	-957.43	-1,707.39	2,839.18	2,780.46	58.72	48.354		
6,400.00	6,156.81	6,160.41	6,160.23	36.00	26.32	137.02	-957.35	-1,707.14	2,860.55	2,800.97	59.58	48.008		
6,500.00	6,252.50	6,241.51	6,241.32	36.59	26.66	137.35	-957.53	-1,707.46	2,882.65	2,822.26	60.40	47.728		
6,600.00	6,348.18	6,324.70	6,324.51	37.18	27.02	137.66	-958.21	-1,708.13	2,905.22	2,844.00	61.22	47.454		
6,636.04	6,382.67	6,351.27	6,351.08	37.39	27.13	137.76	-958.44	-1,708.46	2,913.52	2,852.02	61.50	47.377		
6,650.00	6,396.05	6,361.57	6,361.37	37.47	27.17	134.48	-958.52	-1,708.60	2,916.62	2,855.01	61.60	47.346		
6,700.00	6,444.38	6,400.00	6,399.80	37.74	27.34	119.95	-958.80	-1,709.24	2,925.40	2,863.42	61.98	47.200		
6,750.00	6,493.07	6,441.04	6,440.83	37.98	27.51	101.41	-958.95	-1,710.02	2,930.49	2,868.14	62.35	46.998		
6,800.00	6,541.82	6,483.50	6,483.29	38.18	27.69	81.96	-958.82	-1,710.88	2,931.85	2,869.14	62.71	46.751		
6,850.00	6,590.35	6,526.32	6,526.09	38.35	27.87	65.62	-958.44	-1,711.82	2,929.45	2,866.41	63.04	46.468		
6,900.00	6,638.34	6,569.06	6,568.82	38.50	28.05	53.75	-957.89	-1,712.80	2,923.32	2,859.98	63.34	46.151		
6,950.00	6,685.50	6,628.10	6,627.84	38.64	28.31	45.66	-956.89	-1,714.17	2,913.45	2,849.72	63.73	45.718		
7,000.00	6,731.54	6,713.42	6,713.13	38.77	28.67	40.32	-955.10	-1,715.09	2,899.26	2,835.00	64.26	45.119		
7,050.00	6,776.18	6,756.40	6,756.10	38.90	28.85	36.49	-954.29	-1,715.34	2,881.27	2,816.78	64.49	44.680		
7,100.00	6,819.14	6,797.92	6,797.62	39.03	29.03	33.87	-953.69	-1,715.63	2,859.80	2,795.11	64.69	44.209		
7,150.00	6,860.16	6,838.28	6,837.97	39.16	29.20	32.14	-953.17	-1,715.94	2,835.00	2,770.13	64.87	43.705		
7,200.00	6,898.98	6,876.52	6,876.20	39.31	29.36	31.11	-952.62	-1,716.23	2,807.00	2,741.98	65.02	43.173		
7,250.00	6,935.36	6,913.57	6,913.25	39.47	29.52	30.69	-952.03	-1,716.50	2,775.97	2,710.82	65.15	42.609		
7,300.00	6,969.08	6,949.98	6,949.65	39.65	29.67	30.83	-951.36	-1,716.73	2,742.09	2,676.82	65.27	42.009		
7,350.00	6,999.94	6,983.18	6,982.85	39.85	29.81	31.52	-950.66	-1,716.90	2,705.55	2,640.18	65.37	41.387		
7,400.00	7,027.74	7,012.98	7,012.64	40.08	29.94	32.82	-949.97	-1,717.01	2,666.60	2,601.15	65.45	40.743		
7,450.00	7,052.31	7,038.13	7,037.78	40.34	30.05	34.80	-949.39	-1,717.10	2,625.47	2,559.98	65.50	40.084		
7,500.00	7,073.49	7,060.14	7,059.78	40.63	30.14	37.69	-948.88	-1,717.16	2,582.44	2,516.90	65.54	39.404		
7,550.00	7,091.17	7,078.50	7,078.14	40.95	30.22	41.81	-948.45	-1,717.21	2,537.76	2,472.20	65.56	38.708		
7,600.00	7,105.22	7,093.11	7,092.75	41.31	30.28	47.67	-948.12	-1,717.25	2,491.70	2,426.12	65.58	37.997		
7,650.00	7,115.57	7,103.89	7,103.52	41.71	30.33	56.05	-947.87	-1,717.28	2,444.55	2,378.96	65.58	37.274		
7,700.00	7,122.15	7,110.76	7,110.39	42.15	30.36	67.99	-947.71	-1,717.29	2,396.58	2,331.00	65.59	36.542		
7,750.00	7,124.91	7,113.25	7,112.88	42.62	30.37	84.08	-947.65	-1,717.30	2,348.10	2,282.52	65.58	35.805		
7,759.54	7,125.00	7,113.36	7,112.99	42.72	30.37	87.58	-947.65	-1,717.30	2,338.81	2,273.23	65.58	35.664		
7,800.00	7,125.10	7,113.54	7,113.17	43.13	30.37	87.60	-947.64	-1,717.30	2,299.43	2,233.86	65.58	35.064		
7,900.00	7,125.34	7,113.99	7,113.62	44.28	30.37	87.65	-947.63	-1,717.30	2,202.27	2,136.68	65.59	33.577		
8,000.00	7,125.58	7,114.43	7,114.06	45.61	30.37	87.70	-947.62	-1,717.30	2,105.37	2,039.75	65.63	32.081		
8,100.00	7,125.82	7,114.88	7,114.51	47.10	30.37	87.74	-947.61	-1,717.30	2,008.78	1,943.08	65.70	30.575		
8,200.00	7,126.06	7,115.33	7,114.96	48.72	30.38	87.79	-947.60	-1,717.30	1,912.54	1,846.71	65.82	29.057		
8,300.00	7,126.30	7,115.77	7,115.40	50.48	30.38	87.84	-947.59	-1,717.30	1,816.70	1,750.70	66.00	27.525		
8,400.00	7,126.54	7,116.22	7,115.85	52.34	30.38	87.89	-947.58	-1,717.30	1,721.33	1,655.08	66.26	25.980		
8,500.00	7,126.78	7,116.67	7,116.30	54.30	30.38	87.94	-947.57	-1,717.30	1,626.53	1,559.92	66.61	24.420		
8,600.00	7,127.02	7,117.11	7,116.74	56.35	30.38	87.98	-947.56	-1,717.31	1,532.38	1,465.30	67.08	22.843		
8,700.00	7,127.26	7,117.56	7,117.19	58.47	30.38	88.03	-947.55	-1,717.31	1,439.02	1,371.30	67.72	21.250		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,118.01	7,117.64	60.66	30.39	88.08	-947.54	-1,717.31	1,346.62	1,278.06	68.56	19.641		
8,900.00	7,127.74	7,118.45	7,118.08	62.90	30.39	88.13	-947.53	-1,717.31	1,255.38	1,185.71	69.67	18.020		
9,000.00	7,127.98	7,118.90	7,118.53	65.19	30.39	88.18	-947.52	-1,717.31	1,165.58	1,094.46	71.11	16.391		
9,100.00	7,128.22	7,119.35	7,118.98	67.53	30.39	88.22	-947.51	-1,717.31	1,077.57	1,004.58	72.99	14.764		
9,200.00	7,128.46	7,119.80	7,119.42	69.92	30.39	88.27	-947.50	-1,717.31	991.85	916.44	75.41	13.153		
9,300.00	7,128.70	7,120.24	7,119.87	72.33	30.40	88.32	-947.49	-1,717.31	909.04	830.53	78.51	11.579		
9,400.00	7,128.94	7,120.69	7,120.32	74.78	30.40	88.37	-947.48	-1,717.31	830.03	747.61	82.42	10.071		
9,500.00	7,129.18	7,121.14	7,120.76	77.26	30.40	88.42	-947.47	-1,717.32	756.00	668.72	87.28	8.662		
9,600.00	7,129.42	7,121.58	7,121.21	79.76	30.40	88.46	-947.46	-1,717.32	688.57	595.43	93.14	7.393		
9,700.00	7,129.66	7,122.03	7,121.66	82.29	30.40	88.51	-947.45	-1,717.32	629.86	529.96	99.90	6.305		
9,800.00	7,129.90	7,122.48	7,122.10	84.84	30.41	88.56	-947.44	-1,717.32	582.51	475.35	107.16	5.436		
9,900.00	7,130.14	7,122.92	7,122.55	87.41	30.41	88.61	-947.43	-1,717.32	549.46	435.36	114.10	4.816		
10,000.00	7,130.38	7,123.37	7,123.00	90.00	30.41	88.66	-947.42	-1,717.32	533.39	413.78	119.61	4.460		
10,037.05	7,130.46	7,123.54	7,123.16	90.96	30.41	88.68	-947.41	-1,717.32	532.10	411.03	121.07	4.395 CC, ES		
10,100.00	7,130.62	7,123.82	7,123.44	92.60	30.41	88.71	-947.41	-1,717.32	535.81	413.11	122.70	4.367 SF		
10,200.00	7,130.86	7,124.26	7,123.89	95.22	30.41	88.75	-947.40	-1,717.32	556.49	433.40	123.09	4.521		
10,300.00	7,131.09	7,124.71	7,124.34	97.85	30.42	88.80	-947.39	-1,717.32	593.52	472.25	121.28	4.894		
10,400.00	7,131.33	7,125.16	7,124.78	100.50	30.42	88.85	-947.38	-1,717.32	644.10	526.00	118.10	5.454		
10,500.00	7,131.57	7,125.60	7,125.23	103.16	30.42	88.90	-947.37	-1,717.33	705.30	590.95	114.35	6.168		
10,600.00	7,131.81	7,126.05	7,125.68	105.82	30.42	88.95	-947.36	-1,717.33	774.62	664.07	110.56	7.007		
10,700.00	7,132.05	7,126.50	7,126.13	108.50	30.42	88.99	-947.34	-1,717.33	850.08	743.09	106.98	7.946		
10,800.00	7,132.29	7,126.95	7,126.57	111.19	30.42	89.04	-947.33	-1,717.33	930.17	826.42	103.75	8.966		
10,900.00	7,132.53	7,127.39	7,127.02	113.88	30.43	89.09	-947.32	-1,717.33	1,013.81	912.93	100.88	10.050		
11,000.00	7,132.77	7,127.84	7,127.47	116.58	30.43	89.14	-947.31	-1,717.33	1,100.18	1,001.82	98.36	11.185		
11,100.00	7,133.01	7,128.29	7,127.91	119.29	30.43	89.19	-947.30	-1,717.33	1,188.69	1,092.53	96.16	12.362		
11,200.00	7,133.25	7,128.73	7,128.36	122.01	30.43	89.23	-947.29	-1,717.33	1,278.89	1,184.66	94.23	13.572		
11,300.00	7,133.49	7,129.18	7,128.81	124.73	30.43	89.28	-947.28	-1,717.33	1,370.46	1,277.91	92.55	14.809		
11,400.00	7,133.73	7,129.63	7,129.25	127.46	30.44	89.33	-947.27	-1,717.33	1,463.13	1,372.06	91.06	16.067		
11,500.00	7,133.97	7,130.07	7,129.70	130.19	30.44	89.38	-947.26	-1,717.34	1,556.70	1,466.95	89.75	17.344		
11,600.00	7,134.21	7,130.52	7,130.15	132.93	30.44	89.43	-947.25	-1,717.34	1,651.03	1,562.44	88.60	18.636		
11,700.00	7,134.45	7,130.97	7,130.59	135.68	30.44	89.48	-947.24	-1,717.34	1,745.99	1,658.43	87.57	19.939		
11,800.00	7,134.69	7,131.41	7,131.04	138.43	30.44	89.52	-947.23	-1,717.34	1,841.49	1,754.84	86.65	21.252		
11,900.00	7,134.93	7,131.86	7,131.49	141.18	30.45	89.57	-947.22	-1,717.34	1,937.44	1,851.61	85.83	22.574		
12,000.00	7,135.17	7,132.31	7,131.93	143.94	30.45	89.62	-947.21	-1,717.34	2,033.78	1,948.69	85.09	23.901		
12,100.00	7,135.41	7,132.75	7,132.38	146.70	30.45	89.67	-947.20	-1,717.34	2,130.45	2,046.03	84.43	25.235		
12,200.00	7,135.65	7,133.20	7,132.83	149.46	30.45	89.72	-947.19	-1,717.34	2,227.42	2,143.60	83.82	26.572		
12,300.00	7,135.89	7,133.65	7,133.27	152.23	30.45	89.76	-947.18	-1,717.34	2,324.65	2,241.37	83.28	27.914		
12,400.00	7,136.13	7,134.10	7,133.72	155.00	30.46	89.81	-947.17	-1,717.34	2,422.10	2,339.32	82.79	29.258		
12,500.00	7,136.37	7,134.54	7,134.17	157.78	30.46	89.86	-947.16	-1,717.35	2,519.75	2,437.42	82.34	30.604		
12,600.00	7,136.61	7,134.99	7,134.61	160.55	30.46	89.91	-947.15	-1,717.35	2,617.58	2,535.66	81.92	31.951		
12,700.00	7,136.85	7,135.44	7,135.06	163.33	30.46	89.96	-947.14	-1,717.35	2,715.57	2,634.02	81.55	33.300		
12,800.00	7,137.09	7,135.88	7,135.51	166.12	30.46	90.00	-947.13	-1,717.35	2,813.70	2,732.49	81.20	34.650		
12,900.00	7,137.33	7,136.33	7,135.95	168.90	30.46	90.05	-947.12	-1,717.35	2,911.95	2,831.07	80.89	36.000		
13,000.00	7,137.57	7,136.78	7,136.40	171.69	30.47	90.10	-947.11	-1,717.35	3,010.32	2,929.73	80.60	37.350		
13,100.00	7,137.81	7,137.22	7,136.85	174.48	30.47	90.15	-947.10	-1,717.35	3,108.80	3,028.47	80.33	38.700		
13,200.00	7,138.05	7,137.67	7,137.29	177.27	30.47	90.20	-947.09	-1,717.35	3,207.37	3,127.28	80.09	40.049		
13,300.00	7,138.29	7,138.12	7,137.74	180.07	30.47	90.25	-947.08	-1,717.35	3,306.02	3,226.16	79.86	41.398		
13,400.00	7,138.53	7,138.56	7,138.19	182.86	30.47	90.29	-947.07	-1,717.36	3,404.76	3,325.11	79.65	42.746		
13,500.00	7,138.77	7,139.01	7,138.63	185.66	30.48	90.34	-947.06	-1,717.36	3,503.56	3,424.10	79.46	44.092		
13,600.00	7,139.01	7,139.46	7,139.08	188.46	30.48	90.39	-947.05	-1,717.36	3,602.43	3,523.15	79.28	45.438		
13,700.00	7,139.25	7,139.90	7,139.53	191.26	30.48	90.44	-947.04	-1,717.36	3,701.36	3,622.25	79.12	46.782		
13,800.00	7,139.49	7,140.35	7,139.97	194.06	30.48	90.49	-947.02	-1,717.36	3,800.35	3,721.38	78.97	48.125		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,140.80	7,140.42	196.87	30.48	90.53	-947.01	-1,717.36	3,899.39	3,820.56	78.83	49.467		
14,000.00	7,139.97	7,141.25	7,140.87	199.68	30.49	90.58	-947.00	-1,717.36	3,998.48	3,919.78	78.70	50.806		
14,100.00	7,140.21	7,141.69	7,141.32	202.48	30.49	90.63	-946.99	-1,717.36	4,097.61	4,019.03	78.58	52.144		
14,200.00	7,140.45	7,142.14	7,141.76	205.29	30.49	90.68	-946.98	-1,717.36	4,196.78	4,118.31	78.47	53.480		
14,300.00	7,140.69	7,142.59	7,142.21	208.10	30.49	90.73	-946.97	-1,717.36	4,295.99	4,217.62	78.37	54.814		
14,400.00	7,140.93	7,143.03	7,142.66	210.91	30.49	90.77	-946.96	-1,717.37	4,395.24	4,316.96	78.28	56.146		
14,500.00	7,141.17	7,143.48	7,143.10	213.73	30.50	90.82	-946.95	-1,717.37	4,494.52	4,416.32	78.20	57.475		
14,600.00	7,141.41	7,143.93	7,143.55	216.54	30.50	90.87	-946.94	-1,717.37	4,593.83	4,515.71	78.12	58.803		
14,700.00	7,141.65	7,144.37	7,144.00	219.36	30.50	90.92	-946.93	-1,717.37	4,693.17	4,615.12	78.05	60.128		
14,800.00	7,141.89	7,144.82	7,144.44	222.17	30.50	90.97	-946.92	-1,717.37	4,792.54	4,714.55	77.99	61.451		
14,900.00	7,142.13	7,145.27	7,144.89	224.99	30.50	91.01	-946.91	-1,717.37	4,891.93	4,814.00	77.93	62.771		
15,000.00	7,142.36	7,145.71	7,145.34	227.81	30.50	91.06	-946.90	-1,717.37	4,991.35	4,913.47	77.88	64.089		
15,100.00	7,142.60	7,146.16	7,145.78	230.63	30.51	91.11	-946.89	-1,717.37	5,090.79	5,012.95	77.84	65.404		
15,200.00	7,142.84	7,146.61	7,146.23	233.45	30.51	91.16	-946.88	-1,717.37	5,190.25	5,112.46	77.80	66.717		
15,300.00	7,143.08	7,147.06	7,146.68	236.27	30.51	91.21	-946.87	-1,717.37	5,289.73	5,211.97	77.76	68.027		
15,400.00	7,143.32	7,147.50	7,147.12	239.09	30.51	91.25	-946.86	-1,717.38	5,389.23	5,311.51	77.73	69.334		
15,500.00	7,143.56	7,147.95	7,147.57	241.91	30.51	91.30	-946.85	-1,717.38	5,488.75	5,411.05	77.70	70.639		
15,600.00	7,143.80	7,148.40	7,148.02	244.73	30.52	91.35	-946.84	-1,717.38	5,588.29	5,510.61	77.68	71.941		
15,700.00	7,144.04	7,148.84	7,148.46	247.56	30.52	91.40	-946.83	-1,717.38	5,687.84	5,610.18	77.66	73.240		
15,800.00	7,144.28	7,149.29	7,148.91	250.38	30.52	91.45	-946.82	-1,717.38	5,787.41	5,709.76	77.65	74.536		
15,900.00	7,144.52	7,149.74	7,149.36	253.21	30.52	91.49	-946.81	-1,717.38	5,886.99	5,809.36	77.63	75.829		
16,000.00	7,144.76	7,150.18	7,149.80	256.03	30.52	91.54	-946.80	-1,717.38	5,986.59	5,908.96	77.63	77.119		
16,100.00	7,145.00	7,150.63	7,150.25	258.86	30.53	91.59	-946.79	-1,717.38	6,086.20	6,008.58	77.62	78.407		
16,200.00	7,145.24	7,151.08	7,150.70	261.69	30.53	91.64	-946.78	-1,717.38	6,185.82	6,108.20	77.62	79.691		
16,300.00	7,145.48	7,151.52	7,151.14	264.52	30.53	91.69	-946.77	-1,717.39	6,285.46	6,207.83	77.63	80.972		
16,400.00	7,145.72	7,151.97	7,151.59	267.35	30.53	91.73	-946.76	-1,717.39	6,385.10	6,307.47	77.63	82.250		
16,500.00	7,145.96	7,152.42	7,152.04	270.18	30.53	91.78	-946.75	-1,717.39	6,484.76	6,407.12	77.64	83.525		
16,600.00	7,146.20	7,152.86	7,152.48	273.01	30.54	91.83	-946.74	-1,717.39	6,584.42	6,506.78	77.65	84.797		
16,700.00	7,146.44	7,153.31	7,152.93	275.84	30.54	91.88	-946.73	-1,717.39	6,684.10	6,606.44	77.66	86.065		
16,800.00	7,146.68	7,153.76	7,153.38	278.67	30.54	91.93	-946.72	-1,717.39	6,783.79	6,706.11	77.68	87.330		
16,900.00	7,146.92	7,154.21	7,153.82	281.50	30.54	91.97	-946.70	-1,717.39	6,883.48	6,805.79	77.70	88.592		
17,000.00	7,147.16	7,154.65	7,154.27	284.33	30.54	92.02	-946.69	-1,717.39	6,983.19	6,905.47	77.72	89.851		
17,100.00	7,147.40	7,155.10	7,154.72	287.16	30.54	92.07	-946.68	-1,717.39	7,082.90	7,005.16	77.74	91.107		
17,200.00	7,147.64	7,155.55	7,155.16	290.00	30.55	92.12	-946.67	-1,717.39	7,182.62	7,104.85	77.77	92.359		
17,300.00	7,147.88	7,155.99	7,155.61	292.83	30.55	92.17	-946.66	-1,717.40	7,282.35	7,204.55	77.80	93.607		
17,400.00	7,148.12	7,156.44	7,156.06	295.66	30.55	92.21	-946.65	-1,717.40	7,382.08	7,304.26	77.83	94.853		
17,500.00	7,148.36	7,156.89	7,156.51	298.50	30.55	92.26	-946.64	-1,717.40	7,481.83	7,403.97	77.86	96.095		
17,600.00	7,148.60	7,157.33	7,156.95	301.33	30.55	92.31	-946.63	-1,717.40	7,581.57	7,503.68	77.89	97.333		
17,700.00	7,148.84	7,157.78	7,157.40	304.17	30.56	92.36	-946.62	-1,717.40	7,681.33	7,603.40	77.93	98.568		
17,800.00	7,149.08	7,158.23	7,157.85	307.00	30.56	92.41	-946.61	-1,717.40	7,781.09	7,703.13	77.97	99.800		
17,900.00	7,149.32	7,158.67	7,158.29	309.84	30.56	92.45	-946.60	-1,717.40	7,880.86	7,802.85	78.01	101.028		
18,000.00	7,149.56	7,159.12	7,158.74	312.68	30.56	92.50	-946.59	-1,717.40	7,980.63	7,902.59	78.05	102.252		
18,100.00	7,149.80	7,159.57	7,159.19	315.51	30.56	92.55	-946.58	-1,717.40	8,080.41	8,002.32	78.09	103.473		
18,200.00	7,150.04	7,160.01	7,159.63	318.35	30.57	92.60	-946.57	-1,717.40	8,180.20	8,102.06	78.14	104.690		
18,300.00	7,150.28	7,160.46	7,160.08	321.19	30.57	92.65	-946.56	-1,717.41	8,279.99	8,201.80	78.18	105.904		
18,400.00	7,150.52	7,160.91	7,160.53	324.03	30.57	92.69	-946.55	-1,717.41	8,379.78	8,301.55	78.23	107.114		
18,500.00	7,150.76	7,161.36	7,160.97	326.86	30.57	92.74	-946.54	-1,717.41	8,479.58	8,401.30	78.28	108.321		
18,600.00	7,151.00	7,161.80	7,161.42	329.70	30.57	92.79	-946.53	-1,717.41	8,579.39	8,501.05	78.33	109.524		
18,700.00	7,151.24	7,162.25	7,161.87	332.54	30.58	92.84	-946.52	-1,717.41	8,679.19	8,600.81	78.39	110.723		
18,800.00	7,151.48	7,162.70	7,162.31	335.38	30.58	92.88	-946.51	-1,717.41	8,779.01	8,700.57	78.44	111.918		
18,900.00	7,151.72	7,163.14	7,162.76	338.22	30.58	92.93	-946.50	-1,717.41	8,878.83	8,800.33	78.50	113.110		
19,000.00	7,151.96	7,163.59	7,163.21	341.06	30.58	92.98	-946.49	-1,717.41	8,978.65	8,900.09	78.55	114.298		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
19,018.30	7,152.00	7,163.67	7,163.29	341.58	30.58	92.99	-946.49	-1,717.41	8,996.91	8,918.35	78.57	114.515		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-134.51	-724.60	-736.98	1,033.71					
100.00	100.00	81.00	81.00	3.28	3.57	-134.51	-724.60	-736.98	1,033.53	1,026.68	6.86	150.739		
200.00	200.00	181.00	181.00	3.34	5.63	-134.51	-724.60	-736.98	1,033.53	1,024.57	8.96	115.287		
300.00	299.98	280.98	280.98	3.44	8.71	88.33	-724.60	-736.98	1,033.48	1,021.34	12.15	85.093		
400.00	399.84	380.84	380.84	3.59	12.01	88.63	-724.60	-736.98	1,033.34	1,017.75	15.60	66.251		
500.00	499.45	480.45	480.45	3.80	15.38	89.11	-724.60	-736.98	1,033.17	1,014.00	19.17	53.891		
600.00	598.70	579.70	579.70	4.04	18.78	89.78	-724.60	-736.98	1,033.05	1,010.24	22.82	45.279		
627.43	625.84	606.84	606.84	4.11	19.71	90.00	-724.60	-736.98	1,033.04	1,009.22	23.82	43.360		
700.00	697.47	678.47	678.47	4.32	22.18	90.64	-724.60	-736.98	1,033.11	1,006.61	26.50	38.978		
800.00	795.62	776.62	776.62	4.65	25.58	91.67	-724.60	-736.98	1,033.50	1,003.28	30.23	34.194		
900.00	893.06	874.06	874.06	5.01	28.95	92.86	-724.60	-736.98	1,034.42	1,000.45	33.97	30.454		
1,000.00	989.64	970.64	970.64	5.42	32.31	94.21	-724.60	-736.98	1,036.07	998.35	37.72	27.465		
1,044.50	1,032.32	1,013.32	1,013.32	5.61	33.79	94.86	-724.60	-736.98	1,037.11	997.71	39.40	26.324		
1,100.00	1,085.43	1,066.43	1,066.43	5.86	35.63	95.71	-724.60	-736.98	1,038.66	997.17	41.49	25.033		
1,200.00	1,181.11	1,162.11	1,162.11	6.33	38.96	97.23	-724.60	-736.98	1,042.08	996.79	45.29	23.011		
1,300.00	1,276.80	1,257.80	1,257.80	6.81	42.29	98.74	-724.60	-736.98	1,046.29	997.19	49.10	21.309		
1,400.00	1,372.49	1,353.49	1,353.49	7.31	45.62	100.24	-724.60	-736.98	1,051.29	998.36	52.93	19.862		
1,500.00	1,468.17	1,449.17	1,449.17	7.83	48.96	101.73	-724.60	-736.98	1,057.07	1,000.30	56.77	18.620		
1,600.00	1,563.86	1,544.86	1,544.86	8.35	52.29	103.20	-724.60	-736.98	1,063.61	1,002.99	60.62	17.545		
1,700.00	1,659.55	1,640.55	1,640.55	8.88	55.62	104.65	-724.60	-736.98	1,070.89	1,006.42	64.48	16.609		
1,800.00	1,755.23	1,736.23	1,736.23	9.42	58.96	106.08	-724.60	-736.98	1,078.91	1,010.57	68.34	15.788		
1,900.00	1,850.92	1,831.92	1,831.92	9.97	62.29	107.50	-724.60	-736.98	1,087.65	1,015.45	72.20	15.064		
2,000.00	1,946.61	1,927.61	1,927.61	10.52	65.63	108.89	-724.60	-736.98	1,097.09	1,021.02	76.07	14.422		
2,100.00	2,042.29	2,023.29	2,023.29	11.07	68.97	110.26	-724.60	-736.98	1,107.21	1,027.27	79.94	13.851		
2,200.00	2,137.98	2,118.98	2,118.98	11.63	72.30	111.60	-724.60	-736.98	1,117.99	1,034.19	83.80	13.340		
2,300.00	2,233.67	2,214.67	2,214.67	12.19	75.64	112.92	-724.60	-736.98	1,129.42	1,041.75	87.67	12.882		
2,400.00	2,329.35	2,310.35	2,310.35	12.76	78.98	114.22	-724.60	-736.98	1,141.47	1,049.93	91.54	12.470		
2,500.00	2,425.04	2,406.04	2,406.04	13.32	82.31	115.49	-724.60	-736.98	1,154.13	1,058.73	95.40	12.097		
2,600.00	2,520.72	2,501.72	2,501.72	13.89	85.65	116.73	-724.60	-736.98	1,167.37	1,068.11	99.27	11.760		
2,700.00	2,616.41	2,602.59	2,602.59	14.46	89.17	117.95	-724.60	-736.98	1,181.18	1,077.88	103.31	11.433		
2,800.00	2,712.10	2,706.90	2,706.90	15.03	92.81	119.14	-724.60	-736.98	1,195.54	1,088.07	107.47	11.124		
2,900.00	2,807.78	2,788.78	2,788.78	15.60	95.67	120.30	-724.60	-736.98	1,210.43	1,099.58	110.85	10.920		
3,000.00	2,903.47	2,884.47	2,884.47	16.18	99.01	121.43	-724.60	-736.98	1,225.82	1,111.12	114.70	10.687		
3,100.00	2,999.16	2,980.16	2,980.16	16.75	102.34	122.54	-724.60	-736.98	1,241.70	1,123.15	118.56	10.474		
3,200.00	3,094.84	3,075.84	3,075.84	17.33	105.68	123.63	-724.60	-736.98	1,258.05	1,135.65	122.41	10.278		
3,300.00	3,190.53	3,171.53	3,171.53	17.90	109.02	124.68	-724.60	-736.98	1,274.86	1,148.60	126.26	10.097		
3,400.00	3,286.22	3,267.22	3,267.22	18.48	112.36	125.71	-724.60	-736.98	1,292.10	1,162.00	130.10	9.931		
3,500.00	3,381.90	3,362.90	3,362.90	19.06	115.70	126.71	-724.60	-736.98	1,309.75	1,175.81	133.95	9.778		
3,600.00	3,477.59	3,458.59	3,458.59	19.64	119.04	127.69	-724.60	-736.98	1,327.81	1,190.02	137.79	9.637		
3,700.00	3,573.28	3,554.28	3,554.28	20.22	122.38	128.65	-724.60	-736.98	1,346.26	1,204.63	141.63	9.505		
3,800.00	3,668.96	3,649.96	3,649.96	20.80	125.72	129.57	-724.60	-736.98	1,365.07	1,219.60	145.47	9.384		
3,900.00	3,764.65	3,745.65	3,745.65	21.38	129.06	130.48	-724.60	-736.98	1,384.23	1,234.93	149.31	9.271		
4,000.00	3,860.33	3,841.33	3,841.33	21.96	132.40	131.36	-724.60	-736.98	1,403.74	1,250.60	153.14	9.166		
4,100.00	3,956.02	3,937.02	3,937.02	22.54	135.74	132.22	-724.60	-736.98	1,423.57	1,266.60	156.97	9.069		
4,200.00	4,051.71	4,032.71	4,032.71	23.13	139.08	133.05	-724.60	-736.98	1,443.72	1,282.91	160.81	8.978		
4,300.00	4,147.39	4,128.39	4,128.39	23.71	142.41	133.86	-724.60	-736.98	1,464.16	1,299.52	164.64	8.893		
4,400.00	4,243.08	4,224.08	4,224.08	24.29	145.75	134.65	-724.60	-736.98	1,484.89	1,316.42	168.47	8.814		
4,500.00	4,338.77	4,319.77	4,319.77	24.88	149.09	135.42	-724.60	-736.98	1,505.90	1,333.60	172.29	8.740		
4,600.00	4,434.45	4,415.45	4,415.45	25.46	152.43	136.17	-724.60	-736.98	1,527.16	1,351.04	176.12	8.671		
4,700.00	4,530.14	4,511.14	4,511.14	26.04	155.77	136.90	-724.60	-736.98	1,548.69	1,368.74	179.95	8.606		
4,800.00	4,625.83	4,606.83	4,606.83	26.63	159.11	137.61	-724.60	-736.98	1,570.45	1,386.68	183.77	8.546		
4,900.00	4,721.51	4,702.51	4,702.51	27.21	162.45	138.30	-724.60	-736.98	1,592.45	1,404.86	187.59	8.489		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,801.80	4,798.20	27.80	165.92	138.98	-724.60	-736.98	1,614.67	1,423.13	191.54	8.430		
5,100.00	4,912.89	4,906.11	4,893.89	28.38	169.56	139.63	-724.60	-736.98	1,637.11	1,441.44	195.67	8.367		
5,200.00	5,008.57	4,989.57	4,989.57	28.97	172.47	140.27	-724.60	-736.98	1,659.75	1,460.68	199.06	8.338		
5,300.00	5,104.26	5,085.26	5,085.26	29.55	175.81	140.89	-724.60	-736.98	1,682.58	1,479.70	202.88	8.293		
5,400.00	5,199.94	5,180.94	5,180.94	30.14	179.15	141.50	-724.60	-736.98	1,705.61	1,498.91	206.70	8.252		
5,500.00	5,295.63	5,276.63	5,276.63	30.72	182.49	142.09	-724.60	-736.98	1,728.82	1,518.30	210.52	8.212		
5,600.00	5,391.32	5,372.32	5,372.32	31.31	185.83	142.66	-724.60	-736.98	1,752.20	1,537.86	214.34	8.175		
5,700.00	5,487.00	5,468.00	5,468.00	31.90	189.17	143.22	-724.60	-736.98	1,775.75	1,557.59	218.16	8.140		
5,800.00	5,582.69	5,563.69	5,563.69	32.48	192.51	143.77	-724.60	-736.98	1,799.46	1,577.48	221.98	8.107		
5,900.00	5,678.38	5,659.38	5,659.38	33.07	195.85	144.30	-724.60	-736.98	1,823.32	1,597.53	225.79	8.075		
6,000.00	5,774.06	5,755.06	5,755.06	33.65	199.19	144.82	-724.60	-736.98	1,847.34	1,617.73	229.61	8.046		
6,100.00	5,869.75	5,850.75	5,850.75	34.24	202.53	145.32	-724.60	-736.98	1,871.49	1,638.07	233.43	8.017		
6,200.00	5,965.44	5,946.44	5,946.44	34.83	205.87	145.82	-724.60	-736.98	1,895.79	1,658.54	237.24	7.991		
6,300.00	6,061.12	6,042.12	6,042.12	35.41	209.21	146.30	-724.60	-736.98	1,920.21	1,679.15	241.06	7.966		
6,400.00	6,156.81	6,137.81	6,137.81	36.00	212.55	146.77	-724.60	-736.98	1,944.77	1,699.89	244.88	7.942		
6,500.00	6,252.50	6,233.50	6,233.50	36.59	215.89	147.22	-724.60	-736.98	1,969.44	1,720.75	248.69	7.919		
6,600.00	6,348.18	6,329.18	6,329.18	37.18	219.23	147.67	-724.60	-736.98	1,994.24	1,741.73	252.51	7.898		
6,636.04	6,382.67	6,363.67	6,363.67	37.39	220.44	147.83	-724.60	-736.98	2,003.20	1,749.32	253.88	7.890		
6,650.00	6,396.05	6,377.05	6,377.05	37.47	220.90	144.52	-724.60	-736.98	2,006.54	1,752.12	254.42	7.887		
6,700.00	6,444.38	6,425.38	6,425.38	37.74	222.59	129.91	-724.60	-736.98	2,016.15	1,759.82	256.33	7.865		
6,750.00	6,493.07	6,474.07	6,474.07	37.98	224.29	111.38	-724.60	-736.98	2,022.09	1,763.85	258.24	7.830		
6,800.00	6,541.82	6,522.82	6,522.82	38.18	225.99	92.00	-724.60	-736.98	2,024.35	1,764.21	260.13	7.782		
6,850.00	6,590.35	6,571.35	6,571.35	38.35	227.68	75.80	-724.60	-736.98	2,022.91	1,760.93	261.98	7.722		
6,900.00	6,638.34	6,619.34	6,619.34	38.50	229.36	64.15	-724.60	-736.98	2,017.82	1,754.04	263.79	7.649		
6,950.00	6,685.50	6,666.50	6,666.50	38.64	231.01	56.26	-724.60	-736.98	2,009.13	1,743.60	265.53	7.567		
7,000.00	6,731.54	6,712.54	6,712.54	38.77	232.61	51.03	-724.60	-736.98	1,996.90	1,729.70	267.20	7.473		
7,050.00	6,776.18	6,757.18	6,757.18	38.90	234.17	47.62	-724.60	-736.98	1,981.25	1,712.44	268.80	7.371		
7,100.00	6,819.14	6,800.14	6,800.14	39.03	235.67	45.52	-724.60	-736.98	1,962.29	1,691.96	270.32	7.259		
7,150.00	6,860.16	6,841.16	6,841.16	39.16	237.10	44.42	-724.60	-736.98	1,940.15	1,668.40	271.75	7.139		
7,200.00	6,898.98	6,879.98	6,879.98	39.31	238.46	44.12	-724.60	-736.98	1,915.02	1,641.93	273.08	7.013		
7,250.00	6,935.36	6,916.36	6,916.36	39.47	239.73	44.54	-724.60	-736.98	1,887.06	1,612.74	274.32	6.879		
7,300.00	6,969.08	6,950.08	6,950.08	39.65	240.90	45.61	-724.60	-736.98	1,856.47	1,581.02	275.45	6.740		
7,350.00	6,999.94	6,980.94	6,980.94	39.85	241.98	47.35	-724.60	-736.98	1,823.47	1,546.99	276.48	6.595		
7,400.00	7,027.74	7,008.74	7,008.74	40.08	242.95	49.77	-724.60	-736.98	1,788.28	1,510.89	277.40	6.447		
7,450.00	7,052.31	7,033.31	7,033.31	40.34	243.81	52.92	-724.60	-736.98	1,751.16	1,472.95	278.21	6.294		
7,500.00	7,073.49	7,054.49	7,054.49	40.63	244.55	56.85	-724.60	-736.98	1,712.35	1,433.42	278.92	6.139		
7,550.00	7,091.17	7,072.17	7,072.17	40.95	245.17	61.63	-724.60	-736.98	1,672.10	1,392.57	279.53	5.982		
7,600.00	7,105.22	7,086.22	7,086.22	41.31	245.66	67.25	-724.60	-736.98	1,630.70	1,350.66	280.04	5.823		
7,650.00	7,115.57	7,103.43	7,103.43	41.71	246.26	73.69	-724.60	-736.98	1,588.41	1,307.72	280.69	5.659		
7,700.00	7,122.15	7,103.15	7,103.15	42.15	246.25	80.79	-724.60	-736.98	1,545.50	1,264.73	280.77	5.505		
7,750.00	7,124.91	7,105.91	7,105.91	42.62	246.34	88.31	-724.60	-736.98	1,502.25	1,221.26	280.99	5.346		
7,759.54	7,125.00	7,106.00	7,106.00	42.72	246.35	89.76	-724.60	-736.98	1,493.98	1,212.96	281.02	5.316		
7,800.00	7,125.10	7,106.10	7,106.10	43.13	246.35	89.77	-724.60	-736.98	1,459.05	1,177.89	281.16	5.189		
7,900.00	7,125.34	7,106.34	7,106.34	44.28	246.36	89.79	-724.60	-736.98	1,374.01	1,092.37	281.64	4.879		
8,000.00	7,125.58	7,106.58	7,106.58	45.61	246.37	89.81	-724.60	-736.98	1,291.12	1,008.77	282.35	4.573		
8,100.00	7,125.82	7,106.82	7,106.82	47.10	246.38	89.82	-724.60	-736.98	1,210.82	927.47	283.35	4.273		
8,200.00	7,126.06	7,107.06	7,107.06	48.72	246.38	89.84	-724.60	-736.98	1,133.66	848.94	284.72	3.982		
8,300.00	7,126.30	7,107.30	7,107.30	50.48	246.39	89.86	-724.60	-736.98	1,060.32	773.80	286.52	3.701		
8,400.00	7,126.54	7,107.54	7,107.54	52.34	246.40	89.88	-724.60	-736.98	991.65	702.83	288.82	3.433		
8,500.00	7,126.78	7,107.78	7,107.78	54.30	246.41	89.90	-724.60	-736.98	928.69	637.03	291.66	3.184		
8,600.00	7,127.02	7,108.02	7,108.02	56.35	246.42	89.92	-724.60	-736.98	872.67	577.63	295.04	2.958		
8,700.00	7,127.26	7,108.26	7,108.26	58.47	246.43	89.93	-724.60	-736.98	825.01	526.14	298.87	2.760		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,108.50	7,108.50	60.66	246.43	89.95	-724.60	-736.98	787.23	484.24	302.98	2.598		
8,900.00	7,127.74	7,108.74	7,108.74	62.90	246.44	89.97	-724.60	-736.98	760.80	453.71	307.09	2.477		
9,000.00	7,127.98	7,108.98	7,108.98	65.19	246.45	89.99	-724.60	-736.98	746.93	436.08	310.85	2.403		
9,054.55	7,128.11	7,109.11	7,109.11	66.47	246.46	90.00	-724.60	-736.98	744.94	432.29	312.65	2.383 CC, ES		
9,100.00	7,128.22	7,109.22	7,109.22	67.53	246.46	90.01	-724.60	-736.98	746.32	432.38	313.95	2.377 SF		
9,200.00	7,128.46	7,109.46	7,109.46	69.92	246.47	90.03	-724.60	-736.98	759.00	442.85	316.15	2.401		
9,300.00	7,128.70	7,109.70	7,109.70	72.33	246.48	90.05	-724.60	-736.98	784.33	466.92	317.41	2.471		
9,400.00	7,128.94	7,109.94	7,109.94	74.78	246.48	90.06	-724.60	-736.98	821.14	503.31	317.83	2.584		
9,500.00	7,129.18	7,110.18	7,110.18	77.26	246.49	90.08	-724.60	-736.98	867.96	550.39	317.57	2.733		
9,600.00	7,129.42	7,110.42	7,110.42	79.76	246.50	90.10	-724.60	-736.98	923.28	606.43	316.85	2.914		
9,700.00	7,129.66	7,110.66	7,110.66	82.29	246.51	90.12	-724.60	-736.98	985.66	669.83	315.84	3.121		
9,800.00	7,129.90	7,110.90	7,110.90	84.84	246.52	90.14	-724.60	-736.98	1,053.86	739.19	314.67	3.349		
9,900.00	7,130.14	7,111.14	7,111.14	87.41	246.53	90.16	-724.60	-736.98	1,126.81	813.37	313.44	3.595		
10,000.00	7,130.38	7,111.38	7,111.38	90.00	246.53	90.17	-724.60	-736.98	1,203.66	891.44	312.22	3.855		
10,100.00	7,130.62	7,111.62	7,111.62	92.60	246.54	90.19	-724.60	-736.98	1,283.70	972.66	311.04	4.127		
10,200.00	7,130.86	7,111.86	7,111.86	95.22	246.55	90.21	-724.60	-736.98	1,366.37	1,056.45	309.93	4.409		
10,300.00	7,131.09	7,112.09	7,112.09	97.85	246.56	90.23	-724.60	-736.98	1,451.23	1,142.35	308.88	4.698		
10,400.00	7,131.33	7,112.33	7,112.33	100.50	246.57	90.25	-724.60	-736.98	1,537.90	1,229.99	307.92	4.995		
10,500.00	7,131.57	7,112.57	7,112.57	103.16	246.58	90.27	-724.60	-736.98	1,626.11	1,319.09	307.02	5.296		
10,600.00	7,131.81	7,112.81	7,112.81	105.82	246.59	90.29	-724.60	-736.98	1,715.61	1,409.41	306.20	5.603		
10,700.00	7,132.05	7,113.05	7,113.05	108.50	246.59	90.30	-724.60	-736.98	1,806.22	1,500.77	305.45	5.913		
10,800.00	7,132.29	7,113.29	7,113.29	111.19	246.60	90.32	-724.60	-736.98	1,897.76	1,593.01	304.75	6.227		
10,900.00	7,132.53	7,113.53	7,113.53	113.88	246.61	90.34	-724.60	-736.98	1,990.12	1,686.01	304.12	6.544		
11,000.00	7,132.77	7,113.77	7,113.77	116.58	246.62	90.36	-724.60	-736.98	2,083.19	1,779.66	303.53	6.863		
11,100.00	7,133.01	7,114.01	7,114.01	119.29	246.63	90.38	-724.60	-736.98	2,176.87	1,873.88	302.99	7.185		
11,200.00	7,133.25	7,114.25	7,114.25	122.01	246.64	90.40	-724.60	-736.98	2,271.09	1,968.59	302.50	7.508		
11,300.00	7,133.49	7,114.49	7,114.49	124.73	246.64	90.41	-724.60	-736.98	2,365.79	2,063.74	302.04	7.833		
11,400.00	7,133.73	7,114.73	7,114.73	127.46	246.65	90.43	-724.60	-736.98	2,460.90	2,159.28	301.62	8.159		
11,500.00	7,133.97	7,114.97	7,114.97	130.19	246.66	90.45	-724.60	-736.98	2,556.39	2,255.15	301.23	8.486		
11,600.00	7,134.21	7,115.21	7,115.21	132.93	246.67	90.47	-724.60	-736.98	2,652.21	2,351.33	300.87	8.815		
11,700.00	7,134.45	7,115.45	7,115.45	135.68	246.68	90.49	-724.60	-736.98	2,748.32	2,447.78	300.54	9.145		
11,800.00	7,134.69	7,115.69	7,115.69	138.43	246.69	90.51	-724.60	-736.98	2,844.71	2,544.48	300.23	9.475		
11,900.00	7,134.93	7,115.93	7,115.93	141.18	246.69	90.52	-724.60	-736.98	2,941.34	2,641.39	299.95	9.806		
12,000.00	7,135.17	7,116.17	7,116.17	143.94	246.70	90.54	-724.60	-736.98	3,038.18	2,738.50	299.68	10.138		
12,100.00	7,135.41	7,116.41	7,116.41	146.70	246.71	90.56	-724.60	-736.98	3,135.22	2,835.79	299.43	10.470		
12,200.00	7,135.65	7,116.65	7,116.65	149.46	246.72	90.58	-724.60	-736.98	3,232.45	2,933.24	299.21	10.803		
12,300.00	7,135.89	7,116.89	7,116.89	152.23	246.73	90.60	-724.60	-736.98	3,329.84	3,030.84	298.99	11.137		
12,400.00	7,136.13	7,117.13	7,117.13	155.00	246.74	90.62	-724.60	-736.98	3,427.37	3,128.58	298.80	11.471		
12,500.00	7,136.37	7,117.37	7,117.37	157.78	246.74	90.64	-724.60	-736.98	3,525.05	3,226.44	298.61	11.805		
12,600.00	7,136.61	7,117.61	7,117.61	160.55	246.75	90.65	-724.60	-736.98	3,622.85	3,324.41	298.44	12.139		
12,700.00	7,136.85	7,117.85	7,117.85	163.33	246.76	90.67	-724.60	-736.98	3,720.77	3,422.49	298.28	12.474		
12,800.00	7,137.09	7,118.09	7,118.09	166.12	246.77	90.69	-724.60	-736.98	3,818.80	3,520.67	298.13	12.809		
12,900.00	7,137.33	7,118.33	7,118.33	168.90	246.78	90.71	-724.60	-736.98	3,916.93	3,618.93	298.00	13.144		
13,000.00	7,137.57	7,118.57	7,118.57	171.69	246.79	90.73	-724.60	-736.98	4,015.15	3,717.28	297.87	13.480		
13,100.00	7,137.81	7,118.81	7,118.81	174.48	246.79	90.75	-724.60	-736.98	4,113.45	3,815.70	297.75	13.815		
13,200.00	7,138.05	7,119.05	7,119.05	177.27	246.80	90.76	-724.60	-736.98	4,211.84	3,914.20	297.64	14.151		
13,300.00	7,138.29	7,119.29	7,119.29	180.07	246.81	90.78	-724.60	-736.98	4,310.30	4,012.76	297.54	14.487		
13,400.00	7,138.53	7,119.53	7,119.53	182.86	246.82	90.80	-724.60	-736.98	4,408.83	4,111.38	297.44	14.822		
13,500.00	7,138.77	7,119.77	7,119.77	185.66	246.83	90.82	-724.60	-736.98	4,507.42	4,210.06	297.35	15.158		
13,600.00	7,139.01	7,120.01	7,120.01	188.46	246.84	90.84	-724.60	-736.98	4,606.07	4,308.80	297.27	15.494		
13,700.00	7,139.25	7,120.25	7,120.25	191.26	246.84	90.86	-724.60	-736.98	4,704.78	4,407.58	297.20	15.830		
13,800.00	7,139.49	7,120.49	7,120.49	194.06	246.85	90.88	-724.60	-736.98	4,803.55	4,506.42	297.13	16.166		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,120.73	7,120.73	196.87	246.86	90.89	-724.60	-736.98	4,902.36	4,605.29	297.07	16.502		
14,000.00	7,139.97	7,120.97	7,120.97	199.68	246.87	90.91	-724.60	-736.98	5,001.22	4,704.21	297.01	16.838		
14,100.00	7,140.21	7,121.21	7,121.21	202.48	246.88	90.93	-724.60	-736.98	5,100.13	4,803.17	296.96	17.175		
14,200.00	7,140.45	7,121.45	7,121.45	205.29	246.89	90.95	-724.60	-736.98	5,199.08	4,902.17	296.91	17.510		
14,300.00	7,140.69	7,121.69	7,121.69	208.10	246.89	90.97	-724.60	-736.98	5,298.07	5,001.20	296.87	17.846		
14,400.00	7,140.93	7,121.93	7,121.93	210.91	246.90	90.99	-724.60	-736.98	5,397.09	5,100.26	296.83	18.182		
14,500.00	7,141.17	7,122.17	7,122.17	213.73	246.91	91.00	-724.60	-736.98	5,496.15	5,199.35	296.80	18.518		
14,600.00	7,141.41	7,122.41	7,122.41	216.54	246.92	91.02	-724.60	-736.98	5,595.24	5,298.48	296.77	18.854		
14,700.00	7,141.65	7,122.65	7,122.65	219.36	246.93	91.04	-724.60	-736.98	5,694.37	5,397.63	296.74	19.190		
14,800.00	7,141.89	7,122.89	7,122.89	222.17	246.94	91.06	-724.60	-736.98	5,793.52	5,496.80	296.72	19.525		
14,900.00	7,142.13	7,123.13	7,123.13	224.99	246.95	91.08	-724.60	-736.98	5,892.71	5,596.01	296.70	19.861		
15,000.00	7,142.36	7,123.36	7,123.36	227.81	246.95	91.10	-724.60	-736.98	5,991.92	5,695.23	296.69	20.196		
15,100.00	7,142.60	7,123.60	7,123.60	230.63	246.96	91.11	-724.60	-736.98	6,091.15	5,794.48	296.67	20.531		
15,200.00	7,142.84	7,123.84	7,123.84	233.45	246.97	91.13	-724.60	-736.98	6,190.42	5,893.75	296.67	20.867		
15,300.00	7,143.08	7,124.08	7,124.08	236.27	246.98	91.15	-724.60	-736.98	6,289.70	5,993.04	296.66	21.202		
15,400.00	7,143.32	7,124.32	7,124.32	239.09	246.99	91.17	-724.60	-736.98	6,389.01	6,092.35	296.66	21.537		
15,500.00	7,143.56	7,124.56	7,124.56	241.91	247.00	91.19	-724.60	-736.98	6,488.34	6,191.68	296.66	21.871		
15,600.00	7,143.80	7,124.80	7,124.80	244.73	247.00	91.21	-724.60	-736.98	6,587.68	6,291.02	296.66	22.206		
15,700.00	7,144.04	7,125.04	7,125.04	247.56	247.01	91.23	-724.60	-736.98	6,687.05	6,390.38	296.67	22.541		
15,800.00	7,144.28	7,125.28	7,125.28	250.38	247.02	91.24	-724.60	-736.98	6,786.44	6,489.76	296.68	22.875		
15,900.00	7,144.52	7,125.52	7,125.52	253.21	247.03	91.26	-724.60	-736.98	6,885.84	6,589.16	296.69	23.209		
16,000.00	7,144.76	7,125.76	7,125.76	256.03	247.04	91.28	-724.60	-736.98	6,985.26	6,688.56	296.70	23.543		
16,100.00	7,145.00	7,126.00	7,126.00	258.86	247.05	91.30	-724.60	-736.98	7,084.70	6,787.99	296.72	23.877		
16,200.00	7,145.24	7,126.24	7,126.24	261.69	247.05	91.32	-724.60	-736.98	7,184.15	6,887.42	296.73	24.211		
16,300.00	7,145.48	7,126.48	7,126.48	264.52	247.06	91.34	-724.60	-736.98	7,283.62	6,986.87	296.75	24.544		
16,400.00	7,145.72	7,126.72	7,126.72	267.35	247.07	91.35	-724.60	-736.98	7,383.10	7,086.33	296.78	24.878		
16,500.00	7,145.96	7,126.96	7,126.96	270.18	247.08	91.37	-724.60	-736.98	7,482.60	7,185.80	296.80	25.211		
16,600.00	7,146.20	7,127.20	7,127.20	273.01	247.09	91.39	-724.60	-736.98	7,582.11	7,285.28	296.83	25.544		
16,700.00	7,146.44	7,127.44	7,127.44	275.84	247.10	91.41	-724.60	-736.98	7,681.63	7,384.78	296.85	25.877		
16,800.00	7,146.68	7,127.68	7,127.68	278.67	247.10	91.43	-724.60	-736.98	7,781.17	7,484.28	296.88	26.209		
16,900.00	7,146.92	7,127.92	7,127.92	281.50	247.11	91.45	-724.60	-736.98	7,880.71	7,583.80	296.92	26.542		
17,000.00	7,147.16	7,128.16	7,128.16	284.33	247.12	91.47	-724.60	-736.98	7,980.27	7,683.32	296.95	26.874		
17,100.00	7,147.40	7,128.40	7,128.40	287.16	247.13	91.48	-724.60	-736.98	8,079.84	7,782.85	296.99	27.206		
17,200.00	7,147.64	7,128.64	7,128.64	290.00	247.14	91.50	-724.60	-736.98	8,179.42	7,882.39	297.02	27.538		
17,300.00	7,147.88	7,128.88	7,128.88	292.83	247.15	91.52	-724.60	-736.98	8,279.01	7,981.94	297.06	27.870		
17,400.00	7,148.12	7,129.12	7,129.12	295.66	247.15	91.54	-724.60	-736.98	8,378.61	8,081.50	297.10	28.201		
17,500.00	7,148.36	7,129.36	7,129.36	298.50	247.16	91.56	-724.60	-736.98	8,478.21	8,181.07	297.15	28.532		
17,600.00	7,148.60	7,129.60	7,129.60	301.33	247.17	91.58	-724.60	-736.98	8,577.83	8,280.64	297.19	28.863		
17,700.00	7,148.84	7,129.84	7,129.84	304.17	247.18	91.59	-724.60	-736.98	8,677.46	8,380.22	297.24	29.194		
17,800.00	7,149.08	7,130.08	7,130.08	307.00	247.19	91.61	-724.60	-736.98	8,777.09	8,479.81	297.28	29.524		
17,900.00	7,149.32	7,130.32	7,130.32	309.84	247.20	91.63	-724.60	-736.98	8,876.74	8,579.41	297.33	29.855		
18,000.00	7,149.56	7,130.56	7,130.56	312.68	247.20	91.65	-724.60	-736.98	8,976.39	8,679.01	297.38	30.185		
18,100.00	7,149.80	7,130.80	7,130.80	315.51	247.21	91.67	-724.60	-736.98	9,076.05	8,778.61	297.43	30.515		
18,200.00	7,150.04	7,131.04	7,131.04	318.35	247.22	91.69	-724.60	-736.98	9,175.71	8,878.23	297.48	30.844		
18,300.00	7,150.28	7,131.28	7,131.28	321.19	247.23	91.70	-724.60	-736.98	9,275.38	8,977.85	297.54	31.174		
18,400.00	7,150.52	7,131.52	7,131.52	324.03	247.24	91.72	-724.60	-736.98	9,375.06	9,077.47	297.59	31.503		
18,500.00	7,150.76	7,131.76	7,131.76	326.86	247.25	91.74	-724.60	-736.98	9,474.75	9,177.10	297.65	31.832		
18,600.00	7,151.00	7,132.00	7,132.00	329.70	247.25	91.76	-724.60	-736.98	9,574.44	9,276.74	297.71	32.160		
18,700.00	7,151.24	7,132.24	7,132.24	332.54	247.26	91.78	-724.60	-736.98	9,674.14	9,376.38	297.77	32.489		
18,800.00	7,151.48	7,132.48	7,132.48	335.38	247.27	91.80	-724.60	-736.98	9,773.85	9,476.02	297.83	32.817		
18,900.00	7,151.72	7,132.72	7,132.72	338.22	247.28	91.82	-724.60	-736.98	9,873.56	9,575.67	297.89	33.145		
19,000.00	7,151.96	7,132.96	7,132.96	341.06	247.29	91.83	-724.60	-736.98	9,973.28	9,675.33	297.95	33.473		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design	Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH)											Offset Site Error:	0.00 ft
Survey Program:	100-2" Cone@2.448 Sigma											Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	7,133.00	7,133.00	341.58	247.29	91.84	-724.60	-736.98	9,991.53	9,693.56	297.97	33.532	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-56.58	272.49	-412.97	495.06					
100.00	100.00	79.30	79.30	3.28	3.28	-56.54	272.96	-413.02	495.08	488.51	6.57	75.359		
200.00	200.00	179.98	179.97	3.34	3.33	-56.42	274.24	-413.13	495.87	489.21	6.67	74.395		
300.00	299.98	280.66	280.64	3.44	3.43	166.45	275.12	-413.16	498.08	491.21	6.87	72.519		
400.00	399.84	379.82	379.81	3.59	3.57	166.62	275.86	-413.28	503.69	496.52	7.17	70.269		
500.00	499.45	480.18	480.16	3.80	3.76	166.87	276.64	-413.43	512.73	505.17	7.56	67.820		
600.00	598.70	579.44	579.42	4.04	3.99	167.17	277.28	-413.49	525.02	516.99	8.03	65.391		
700.00	697.47	676.89	676.87	4.32	4.24	167.50	277.83	-413.74	540.82	532.26	8.56	63.180		
800.00	795.62	775.24	775.21	4.65	4.52	167.87	278.43	-414.13	560.14	550.99	9.15	61.224		
900.00	893.06	871.29	871.26	5.01	4.81	168.25	278.91	-414.58	582.82	573.05	9.78	59.604		
1,000.00	989.64	967.19	967.15	5.42	5.12	168.62	279.35	-415.33	609.08	598.64	10.45	58.306		
1,044.50	1,032.32	1,010.02	1,009.98	5.61	5.27	168.80	279.57	-415.64	621.84	611.08	10.76	57.796		
1,100.00	1,085.43	1,064.07	1,064.04	5.86	5.45	169.09	279.80	-415.99	638.10	626.95	11.15	57.223		
1,200.00	1,181.11	1,158.06	1,158.02	6.33	5.78	169.54	280.10	-416.59	667.37	655.51	11.86	56.272		
1,300.00	1,276.80	1,254.14	1,254.10	6.81	6.12	169.95	280.48	-417.51	696.96	684.36	12.60	55.314		
1,400.00	1,372.49	1,350.37	1,350.32	7.31	6.47	170.32	280.52	-418.28	726.24	712.88	13.36	54.355		
1,500.00	1,468.17	1,444.77	1,444.72	7.83	6.82	170.67	280.84	-419.03	755.73	741.60	14.13	53.487		
1,600.00	1,563.86	1,542.62	1,542.57	8.35	7.19	170.99	280.99	-419.86	785.17	770.24	14.93	52.593		
1,700.00	1,659.55	1,641.73	1,641.67	8.88	7.57	171.31	281.05	-420.17	814.17	798.43	15.75	51.702		
1,800.00	1,755.23	1,738.63	1,738.57	9.42	7.95	171.60	280.93	-420.29	842.95	826.38	16.56	50.893		
1,900.00	1,850.92	1,834.98	1,834.92	9.97	8.32	171.87	280.75	-420.35	871.66	854.27	17.38	50.144		
2,000.00	1,946.61	1,931.13	1,931.08	10.52	8.70	172.11	280.40	-420.43	900.29	882.08	18.21	49.441		
2,100.00	2,042.29	2,027.21	2,027.16	11.07	9.08	172.32	279.92	-420.66	928.97	909.93	19.04	48.785		
2,200.00	2,137.98	2,126.34	2,126.27	11.63	9.47	172.49	278.72	-421.17	957.42	937.52	19.90	48.111		
2,300.00	2,233.67	2,223.87	2,223.79	12.19	9.87	172.60	276.86	-421.87	985.60	964.84	20.76	47.487		
2,400.00	2,329.35	2,318.27	2,318.16	12.76	10.25	172.68	274.84	-422.78	1,013.81	992.22	21.60	46.945		
2,500.00	2,425.04	2,412.11	2,411.97	13.32	10.63	172.75	272.79	-423.89	1,042.17	1,019.73	22.44	46.450		
2,600.00	2,520.72	2,501.49	2,501.32	13.89	11.00	172.80	270.91	-425.41	1,070.94	1,047.69	23.25	46.059		
2,700.00	2,616.41	2,594.92	2,594.71	14.46	11.38	172.84	269.15	-427.30	1,100.10	1,076.00	24.10	45.655		
2,800.00	2,712.10	2,688.08	2,687.83	15.03	11.77	172.90	267.67	-429.22	1,129.46	1,104.52	24.94	45.287		
2,900.00	2,807.78	2,782.99	2,782.72	15.60	12.16	172.95	266.29	-431.24	1,158.96	1,133.16	25.80	44.924		
3,000.00	2,903.47	2,879.59	2,879.29	16.18	12.56	173.01	264.93	-433.25	1,188.45	1,161.78	26.67	44.560		
3,100.00	2,999.16	2,974.51	2,974.18	16.75	12.95	173.07	263.75	-435.03	1,217.89	1,190.36	27.53	44.234		
3,200.00	3,094.84	3,070.53	3,070.19	17.33	13.35	173.15	262.88	-436.60	1,247.38	1,218.97	28.40	43.916		
3,300.00	3,190.53	3,170.43	3,170.07	17.90	13.76	173.24	262.07	-437.93	1,276.70	1,247.40	29.30	43.568		
3,400.00	3,286.22	3,263.41	3,263.05	18.48	14.15	173.33	261.22	-439.00	1,305.84	1,275.68	30.16	43.304		
3,500.00	3,381.90	3,358.35	3,357.97	19.06	14.54	173.41	260.62	-440.25	1,335.27	1,304.25	31.02	43.042		
3,600.00	3,477.59	3,456.63	3,456.25	19.64	14.96	173.52	260.15	-441.19	1,364.54	1,332.63	31.91	42.756		
3,700.00	3,573.28	3,548.01	3,547.62	20.22	15.34	173.61	259.70	-442.02	1,393.78	1,361.02	32.76	42.548		
3,800.00	3,668.96	3,637.43	3,637.04	20.80	15.71	173.69	259.53	-443.26	1,423.54	1,389.95	33.59	42.384		
3,900.00	3,764.65	3,732.26	3,731.85	21.38	16.11	173.79	259.72	-444.44	1,453.46	1,419.00	34.46	42.181		
4,000.00	3,860.33	3,826.41	3,825.99	21.96	16.50	173.89	260.16	-445.44	1,483.41	1,448.09	35.32	41.996		
4,100.00	3,956.02	3,918.61	3,918.19	22.54	16.89	174.01	260.97	-446.31	1,513.55	1,477.38	36.17	41.840		
4,200.00	4,051.71	4,012.72	4,012.29	23.13	17.29	174.11	261.70	-447.42	1,543.80	1,506.76	37.04	41.677		
4,300.00	4,147.39	4,104.48	4,104.04	23.71	17.67	174.21	262.43	-448.72	1,574.23	1,536.34	37.89	41.546		
4,400.00	4,243.08	4,211.17	4,210.72	24.29	18.12	174.31	263.07	-450.03	1,604.41	1,565.55	38.86	41.289		
4,500.00	4,338.77	4,310.06	4,309.60	24.88	18.54	174.40	263.40	-450.90	1,634.17	1,594.40	39.76	41.097		
4,600.00	4,434.45	4,403.43	4,402.97	25.46	18.93	174.48	263.57	-451.78	1,663.89	1,623.26	40.63	40.954		
4,700.00	4,530.14	4,498.04	4,497.58	26.04	19.33	174.56	263.82	-452.70	1,693.68	1,652.17	41.50	40.808		
4,800.00	4,625.83	4,600.70	4,600.23	26.63	19.77	174.63	263.77	-453.73	1,723.29	1,680.85	42.44	40.605		
4,900.00	4,721.51	4,698.70	4,698.23	27.21	20.18	174.68	263.20	-454.82	1,752.64	1,709.30	43.34	40.437		
5,000.00	4,817.20	4,794.60	4,794.12	27.80	20.59	174.72	262.45	-455.94	1,781.92	1,737.69	44.23	40.289		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,892.16	4,891.66	28.38	21.00	174.76	261.46	-457.23	1,811.14	1,766.01	45.13	40.133		
5,200.00	5,008.57	4,985.67	4,985.15	28.97	21.40	174.78	260.35	-458.59	1,840.35	1,794.35	46.00	40.010		
5,300.00	5,104.26	5,085.17	5,084.63	29.55	21.82	174.81	259.13	-460.06	1,869.55	1,822.64	46.91	39.851		
5,400.00	5,199.94	5,188.61	5,188.05	30.14	22.26	174.83	257.60	-461.38	1,898.45	1,850.59	47.86	39.667		
5,500.00	5,295.63	5,291.40	5,290.82	30.72	22.69	174.85	255.81	-462.38	1,926.96	1,878.15	48.80	39.486		
5,600.00	5,391.32	5,386.20	5,385.62	31.31	23.09	174.89	254.58	-462.70	1,955.31	1,905.63	49.68	39.358		
5,700.00	5,487.00	5,482.43	5,481.84	31.90	23.50	174.94	253.47	-462.96	1,983.70	1,933.13	50.57	39.227		
5,800.00	5,582.69	5,588.65	5,588.04	32.48	23.95	174.98	251.95	-463.17	2,011.87	1,960.34	51.54	39.038		
5,900.00	5,678.38	5,682.78	5,682.16	33.07	24.35	175.02	250.49	-463.10	2,039.77	1,987.36	52.41	38.918		
6,000.00	5,774.06	5,777.95	5,777.32	33.65	24.75	175.06	249.16	-463.05	2,067.78	2,014.48	53.30	38.799		
6,100.00	5,869.75	5,881.73	5,881.10	34.24	25.19	175.10	247.55	-462.94	2,095.65	2,041.41	54.24	38.634		
6,200.00	5,965.44	5,970.10	5,969.46	34.83	25.56	175.15	246.43	-462.46	2,123.42	2,068.34	55.08	38.554		
6,300.00	6,061.12	6,069.80	6,069.15	35.41	25.98	175.21	245.65	-461.89	2,151.47	2,095.47	55.99	38.423		
6,400.00	6,156.81	6,167.20	6,166.54	36.00	26.39	175.28	244.75	-461.05	2,179.21	2,122.32	56.89	38.303		
6,500.00	6,252.50	6,266.44	6,265.77	36.59	26.81	175.33	243.64	-460.38	2,206.98	2,149.17	57.81	38.177		
6,600.00	6,348.18	6,357.81	6,357.13	37.18	27.20	175.38	242.70	-459.56	2,234.65	2,175.99	58.66	38.092		
6,636.04	6,382.67	6,388.73	6,388.05	37.39	27.33	175.40	242.46	-459.33	2,244.72	2,185.76	58.96	38.073		
6,650.00	6,396.05	6,400.82	6,400.15	37.47	27.38	171.88	242.38	-459.24	2,248.53	2,189.46	59.07	38.065		
6,700.00	6,444.38	6,450.46	6,449.78	37.74	27.59	156.61	242.05	-458.89	2,260.43	2,200.91	59.52	37.978		
6,750.00	6,493.07	6,500.46	6,499.77	37.98	27.80	137.55	241.69	-458.54	2,269.53	2,209.57	59.96	37.852		
6,800.00	6,541.82	6,546.09	6,545.41	38.18	27.99	117.74	241.34	-458.26	2,275.85	2,215.50	60.35	37.713		
6,850.00	6,590.35	6,591.55	6,590.87	38.35	28.19	101.21	240.96	-458.10	2,279.42	2,218.70	60.72	37.542		
6,900.00	6,638.34	6,641.23	6,640.54	38.50	28.40	89.36	240.49	-458.00	2,280.21	2,219.11	61.10	37.318		
6,950.00	6,685.50	6,691.14	6,690.45	38.64	28.61	81.36	239.93	-457.92	2,278.19	2,216.72	61.47	37.060		
7,000.00	6,731.54	6,732.70	6,732.00	38.77	28.78	76.01	239.45	-457.87	2,273.48	2,211.72	61.77	36.808		
7,050.00	6,776.18	6,771.40	6,770.70	38.90	28.95	72.52	239.13	-457.84	2,266.29	2,204.26	62.03	36.538		
7,100.00	6,819.14	6,808.96	6,808.26	39.03	29.11	70.36	238.92	-457.84	2,256.71	2,194.44	62.27	36.239		
7,150.00	6,860.16	6,845.94	6,845.24	39.16	29.27	69.19	238.79	-457.88	2,244.85	2,182.33	62.52	35.908		
7,200.00	6,898.98	6,881.00	6,880.30	39.31	29.42	68.79	238.70	-457.97	2,230.84	2,168.08	62.76	35.548		
7,250.00	6,935.36	6,914.91	6,914.21	39.47	29.56	69.01	238.65	-458.10	2,214.83	2,151.82	63.00	35.154		
7,300.00	6,969.08	6,947.64	6,946.94	39.65	29.70	69.77	238.62	-458.24	2,196.96	2,133.69	63.27	34.723		
7,350.00	6,999.94	6,977.62	6,976.92	39.85	29.83	70.96	238.61	-458.38	2,177.42	2,113.87	63.55	34.262		
7,400.00	7,027.74	7,005.32	7,004.62	40.08	29.94	72.54	238.61	-458.50	2,156.40	2,092.54	63.86	33.767		
7,450.00	7,052.31	7,032.60	7,031.90	40.34	30.06	74.49	238.59	-458.62	2,134.09	2,069.86	64.23	33.228		
7,500.00	7,073.49	7,056.13	7,055.43	40.63	30.16	76.71	238.55	-458.71	2,110.70	2,046.07	64.63	32.660		
7,550.00	7,091.17	7,075.76	7,075.06	40.95	30.24	79.12	238.50	-458.78	2,086.45	2,021.38	65.07	32.067		
7,600.00	7,105.22	7,091.39	7,090.69	41.31	30.31	81.66	238.45	-458.83	2,061.56	1,996.01	65.55	31.451		
7,650.00	7,115.57	7,102.91	7,102.21	41.71	30.36	84.29	238.41	-458.86	2,036.26	1,970.18	66.08	30.816		
7,700.00	7,122.15	7,110.28	7,109.58	42.15	30.39	86.95	238.38	-458.88	2,010.76	1,944.10	66.65	30.167		
7,750.00	7,124.91	7,113.45	7,112.75	42.62	30.41	89.59	238.36	-458.89	1,985.23	1,917.97	67.27	29.512		
7,759.54	7,125.00	7,113.58	7,112.88	42.72	30.41	90.08	238.36	-458.89	1,980.38	1,912.99	67.39	29.386		
7,800.00	7,125.10	7,113.80	7,113.10	43.13	30.41	90.09	238.36	-458.89	1,960.11	1,892.18	67.93	28.855		
7,900.00	7,125.34	7,114.34	7,113.64	44.28	30.41	90.11	238.36	-458.89	1,912.76	1,843.31	69.45	27.541		
8,000.00	7,125.58	7,114.87	7,114.18	45.61	30.41	90.13	238.36	-458.89	1,869.57	1,798.35	71.22	26.249		
8,100.00	7,125.82	7,112.66	7,111.97	47.10	30.40	90.05	238.37	-458.89	1,830.84	1,757.63	73.21	25.009		
8,200.00	7,126.06	7,113.20	7,112.50	48.72	30.40	90.07	238.37	-458.90	1,796.83	1,721.41	75.42	23.823		
8,300.00	7,126.30	7,113.74	7,113.04	50.48	30.41	90.09	238.37	-458.90	1,767.83	1,690.02	77.81	22.719		
8,400.00	7,126.54	7,114.28	7,113.58	52.34	30.41	90.11	238.37	-458.90	1,744.09	1,663.76	80.34	21.710		
8,500.00	7,126.78	7,114.83	7,114.13	54.30	30.41	90.12	238.37	-458.90	1,725.83	1,642.89	82.94	20.807		
8,600.00	7,127.02	7,115.39	7,114.69	56.35	30.41	90.14	238.36	-458.90	1,713.22	1,627.63	85.59	20.017		
8,700.00	7,127.26	7,115.95	7,115.25	58.47	30.42	90.16	238.36	-458.91	1,706.38	1,618.16	88.22	19.342		
8,766.86	7,127.42	7,116.33	7,115.63	59.93	30.42	90.18	238.36	-458.91	1,705.07	1,615.12	89.96	18.955		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,116.52	7,115.82	60.66	30.42	90.18	238.36	-458.91	1,705.40	1,614.60	90.79	18.783		
8,900.00	7,127.74	7,117.09	7,116.39	62.90	30.42	90.20	238.36	-458.91	1,710.26	1,617.00	93.27	18.338		
9,000.00	7,127.98	7,117.67	7,116.97	65.19	30.42	90.22	238.36	-458.91	1,720.94	1,625.34	95.60	18.001		
9,100.00	7,128.22	7,118.26	7,117.56	67.53	30.43	90.24	238.35	-458.92	1,737.31	1,639.54	97.77	17.769		
9,200.00	7,128.46	7,118.85	7,118.15	69.92	30.43	90.26	238.35	-458.92	1,759.23	1,659.47	99.76	17.635		
9,300.00	7,128.70	7,119.45	7,118.75	72.33	30.43	90.28	238.35	-458.92	1,786.48	1,684.93	101.55	17.593 SF		
9,400.00	7,128.94	7,120.05	7,119.35	74.78	30.43	90.30	238.35	-458.92	1,818.83	1,715.69	103.13	17.635		
9,500.00	7,129.18	7,120.66	7,119.97	77.26	30.44	90.32	238.35	-458.92	1,856.01	1,751.48	104.52	17.757		
9,600.00	7,129.42	7,121.28	7,120.58	79.76	30.44	90.34	238.35	-458.93	1,897.73	1,792.01	105.72	17.951		
9,700.00	7,129.66	7,121.91	7,121.21	82.29	30.44	90.36	238.34	-458.93	1,943.71	1,836.97	106.73	18.211		
9,800.00	7,129.90	7,122.54	7,121.84	84.84	30.44	90.38	238.34	-458.93	1,993.65	1,886.06	107.58	18.531		
9,900.00	7,130.14	7,123.18	7,122.48	87.41	30.45	90.41	238.34	-458.94	2,047.25	1,938.97	108.28	18.907		
10,000.00	7,130.38	7,123.83	7,123.13	90.00	30.45	90.43	238.34	-458.94	2,104.25	1,995.41	108.84	19.334		
10,100.00	7,130.62	7,124.49	7,123.79	92.60	30.45	90.45	238.34	-458.94	2,164.37	2,055.09	109.28	19.806		
10,200.00	7,130.86	7,125.15	7,124.45	95.22	30.45	90.47	238.34	-458.94	2,227.35	2,117.74	109.61	20.321		
10,300.00	7,131.09	7,125.82	7,125.12	97.85	30.46	90.49	238.33	-458.95	2,292.97	2,183.12	109.85	20.874		
10,400.00	7,131.33	7,126.50	7,125.80	100.50	30.46	90.52	238.33	-458.95	2,361.00	2,250.99	110.01	21.461		
10,500.00	7,131.57	7,127.18	7,126.48	103.16	30.46	90.54	238.33	-458.95	2,431.24	2,321.13	110.11	22.080		
10,600.00	7,131.81	7,127.88	7,127.18	105.82	30.47	90.56	238.33	-458.95	2,503.51	2,393.36	110.15	22.729		
10,700.00	7,132.05	7,128.58	7,127.88	108.50	30.47	90.59	238.33	-458.96	2,577.63	2,467.49	110.14	23.404		
10,800.00	7,132.29	7,129.29	7,128.59	111.19	30.47	90.61	238.32	-458.96	2,653.45	2,543.36	110.09	24.103		
10,900.00	7,132.53	7,130.01	7,129.31	113.88	30.48	90.63	238.32	-458.96	2,730.82	2,620.82	110.01	24.824		
11,000.00	7,132.77	7,130.74	7,130.04	116.58	30.48	90.66	238.32	-458.97	2,809.63	2,699.73	109.90	25.566		
11,100.00	7,133.01	7,131.47	7,130.77	119.29	30.48	90.68	238.32	-458.97	2,889.74	2,779.98	109.76	26.327		
11,200.00	7,133.25	7,132.22	7,131.52	122.01	30.49	90.71	238.32	-458.97	2,971.06	2,861.45	109.62	27.104		
11,300.00	7,133.49	7,132.97	7,132.27	124.73	30.49	90.73	238.32	-458.98	3,053.49	2,944.04	109.45	27.898		
11,400.00	7,133.73	7,133.74	7,133.04	127.46	30.49	90.76	238.31	-458.98	3,136.95	3,027.67	109.28	28.706		
11,500.00	7,133.97	7,134.51	7,133.81	130.19	30.49	90.79	238.31	-458.99	3,221.34	3,112.24	109.10	29.527		
11,600.00	7,134.21	7,135.30	7,134.60	132.93	30.50	90.81	238.31	-458.99	3,306.61	3,197.70	108.91	30.361		
11,700.00	7,134.45	7,136.09	7,135.39	135.68	30.50	90.84	238.31	-458.99	3,392.68	3,283.96	108.72	31.206		
11,800.00	7,134.69	7,136.89	7,136.19	138.43	30.50	90.87	238.31	-459.00	3,479.49	3,370.96	108.53	32.061		
11,900.00	7,134.93	7,137.71	7,137.01	141.18	30.51	90.89	238.31	-459.00	3,566.99	3,458.66	108.33	32.927		
12,000.00	7,135.17	7,138.53	7,137.83	143.94	30.51	90.92	238.30	-459.00	3,655.14	3,547.00	108.14	33.801		
12,100.00	7,135.41	7,139.36	7,138.67	146.70	30.52	90.95	238.30	-459.01	3,743.88	3,635.94	107.94	34.684		
12,200.00	7,135.65	7,140.21	7,139.51	149.46	30.52	90.98	238.30	-459.01	3,833.18	3,725.42	107.75	35.574		
12,300.00	7,135.89	7,141.07	7,140.37	152.23	30.52	91.01	238.30	-459.02	3,922.99	3,815.43	107.56	36.472		
12,400.00	7,136.13	7,141.93	7,141.24	155.00	30.53	91.04	238.30	-459.02	4,013.28	3,905.91	107.38	37.376		
12,500.00	7,136.37	7,142.81	7,142.11	157.78	30.53	91.07	238.30	-459.03	4,104.03	3,996.83	107.19	38.286		
12,600.00	7,136.61	7,143.71	7,143.01	160.55	30.53	91.09	238.29	-459.03	4,195.19	4,088.18	107.01	39.202		
12,700.00	7,136.85	7,144.61	7,143.91	163.33	30.54	91.13	238.29	-459.04	4,286.75	4,179.91	106.84	40.124		
12,800.00	7,137.09	7,145.52	7,144.82	166.12	30.54	91.16	238.29	-459.04	4,378.67	4,272.01	106.67	41.050		
12,900.00	7,137.33	7,146.45	7,145.75	168.90	30.55	91.19	238.29	-459.05	4,470.95	4,364.45	106.50	41.981		
13,000.00	7,137.57	7,147.39	7,146.69	171.69	30.55	91.22	238.29	-459.05	4,563.55	4,457.21	106.34	42.916		
13,100.00	7,137.81	7,148.35	7,147.65	174.48	30.55	91.25	238.29	-459.06	4,656.45	4,550.27	106.18	43.855		
13,200.00	7,138.05	7,149.31	7,148.61	177.27	30.56	91.28	238.28	-459.06	4,749.65	4,643.62	106.02	44.798		
13,300.00	7,138.29	7,150.29	7,149.59	180.07	30.56	91.32	238.28	-459.07	4,843.11	4,737.23	105.87	45.744		
13,400.00	7,138.53	7,151.29	7,150.59	182.86	30.57	91.35	238.28	-459.07	4,936.83	4,831.10	105.73	46.693		
13,500.00	7,138.77	7,152.30	7,151.60	185.66	30.57	91.38	238.28	-459.08	5,030.79	4,925.20	105.59	47.645		
13,600.00	7,139.01	7,153.32	7,152.62	188.46	30.57	91.42	238.28	-459.09	5,124.98	5,019.53	105.45	48.600		
13,700.00	7,139.25	7,154.36	7,153.66	191.26	30.58	91.45	238.28	-459.09	5,219.39	5,114.07	105.32	49.557		
13,800.00	7,139.49	7,155.41	7,154.71	194.06	30.58	91.49	238.28	-459.10	5,314.00	5,208.81	105.19	50.516		
13,900.00	7,139.73	7,156.48	7,155.78	196.87	30.59	91.52	238.27	-459.10	5,408.80	5,303.73	105.07	51.478		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,157.56	7,156.86	199.68	30.59	91.56	238.27	-459.11	5,503.79	5,398.84	104.95	52.441		
14,100.00	7,140.21	7,158.66	7,157.96	202.48	30.60	91.60	238.27	-459.12	5,598.96	5,494.12	104.84	53.407		
14,200.00	7,140.45	7,159.78	7,159.08	205.29	30.60	91.63	238.27	-459.12	5,694.28	5,589.56	104.73	54.374		
14,300.00	7,140.69	7,160.91	7,160.21	208.10	30.61	91.67	238.27	-459.13	5,789.77	5,685.15	104.62	55.342		
14,400.00	7,140.93	7,162.06	7,161.36	210.91	30.61	91.71	238.27	-459.14	5,885.40	5,780.89	104.52	56.312		
14,500.00	7,141.17	7,163.23	7,162.53	213.73	30.62	91.75	238.27	-459.15	5,981.18	5,876.77	104.42	57.282		
14,600.00	7,141.41	7,164.42	7,163.72	216.54	30.62	91.79	238.27	-459.15	6,077.10	5,972.78	104.32	58.254		
14,700.00	7,141.65	7,165.62	7,164.92	219.36	30.63	91.83	238.27	-459.16	6,173.14	6,068.91	104.23	59.227		
14,800.00	7,141.89	7,166.85	7,166.15	222.17	30.63	91.87	238.26	-459.17	6,269.31	6,165.17	104.14	60.201		
14,900.00	7,142.13	7,168.09	7,167.39	224.99	30.64	91.91	238.26	-459.18	6,365.59	6,261.54	104.06	61.175		
15,000.00	7,142.36	7,169.35	7,168.65	227.81	30.64	91.96	238.26	-459.19	6,461.99	6,358.02	103.97	62.150		
15,100.00	7,142.60	7,170.63	7,169.93	230.63	30.65	92.00	238.26	-459.20	6,558.50	6,454.60	103.90	63.126		
15,200.00	7,142.84	7,171.94	7,171.24	233.45	30.65	92.04	238.26	-459.20	6,655.10	6,551.28	103.82	64.102		
15,300.00	7,143.08	7,173.26	7,172.56	236.27	30.66	92.09	238.26	-459.21	6,751.81	6,648.06	103.75	65.078		
15,400.00	7,143.32	7,174.61	7,173.91	239.09	30.67	92.13	238.26	-459.22	6,848.61	6,744.93	103.68	66.055		
15,500.00	7,143.56	7,175.98	7,175.28	241.91	30.67	92.18	238.26	-459.23	6,945.50	6,841.89	103.62	67.031		
15,600.00	7,143.80	7,177.37	7,176.67	244.73	30.68	92.23	238.26	-459.24	7,042.48	6,938.93	103.55	68.008		
15,700.00	7,144.04	7,178.78	7,178.08	247.56	30.68	92.27	238.26	-459.25	7,139.54	7,036.05	103.49	68.985		
15,800.00	7,144.28	7,180.22	7,179.52	250.38	30.69	92.32	238.26	-459.26	7,236.68	7,133.25	103.44	69.962		
15,900.00	7,144.52	7,181.69	7,180.99	253.21	30.70	92.37	238.26	-459.27	7,333.90	7,230.52	103.38	70.939		
16,000.00	7,144.76	7,183.18	7,182.48	256.03	30.70	92.42	238.26	-459.29	7,431.19	7,327.86	103.33	71.915		
16,100.00	7,145.00	7,184.69	7,183.99	258.86	30.71	92.47	238.26	-459.30	7,528.56	7,425.27	103.28	72.891		
16,200.00	7,145.24	7,186.23	7,185.53	261.69	30.72	92.52	238.26	-459.31	7,625.99	7,522.75	103.24	73.867		
16,300.00	7,145.48	7,187.80	7,187.10	264.52	30.72	92.58	238.26	-459.32	7,723.48	7,620.29	103.20	74.843		
16,400.00	7,145.72	7,189.40	7,188.70	267.35	30.73	92.63	238.26	-459.33	7,821.04	7,717.89	103.16	75.818		
16,500.00	7,145.96	7,191.03	7,190.33	270.18	30.74	92.68	238.26	-459.35	7,918.66	7,815.55	103.12	76.793		
16,600.00	7,146.20	7,192.68	7,191.98	273.01	30.74	92.74	238.26	-459.36	8,016.34	7,913.26	103.08	77.767		
16,700.00	7,146.44	7,194.37	7,193.67	275.84	30.75	92.80	238.26	-459.37	8,114.08	8,011.03	103.05	78.740		
16,800.00	7,146.68	7,196.09	7,195.39	278.67	30.76	92.85	238.26	-459.39	8,211.86	8,108.85	103.02	79.713		
16,900.00	7,146.92	7,197.84	7,197.14	281.50	30.76	92.91	238.26	-459.40	8,309.71	8,206.72	102.99	80.685		
17,000.00	7,147.16	7,199.62	7,198.92	284.33	30.77	92.97	238.27	-459.42	8,407.60	8,304.63	102.96	81.657		
17,100.00	7,147.40	7,201.44	7,200.74	287.16	30.78	93.03	238.27	-459.43	8,505.54	8,402.60	102.94	82.627		
17,200.00	7,147.64	7,203.29	7,202.59	290.00	30.79	93.09	238.27	-459.45	8,603.53	8,500.61	102.92	83.597		
17,300.00	7,147.88	7,205.18	7,204.48	292.83	30.80	93.16	238.27	-459.47	8,701.56	8,598.66	102.90	84.566		
17,400.00	7,148.12	7,207.10	7,206.40	295.66	30.80	93.22	238.27	-459.48	8,799.64	8,696.76	102.88	85.533		
17,500.00	7,148.36	7,209.07	7,208.36	298.50	30.81	93.29	238.28	-459.50	8,897.76	8,794.89	102.86	86.500		
17,600.00	7,148.60	7,211.07	7,210.37	301.33	30.82	93.35	238.28	-459.52	8,995.92	8,893.07	102.85	87.466		
17,700.00	7,148.84	7,213.11	7,212.41	304.17	30.83	93.42	238.28	-459.54	9,094.12	8,991.28	102.84	88.431		
17,800.00	7,149.08	7,215.20	7,214.50	307.00	30.84	93.49	238.28	-459.56	9,192.36	9,089.53	102.83	89.395		
17,900.00	7,149.32	7,217.33	7,216.62	309.84	30.85	93.56	238.29	-459.58	9,290.64	9,187.81	102.82	90.357		
18,000.00	7,149.56	7,219.50	7,218.80	312.68	30.86	93.64	238.29	-459.60	9,388.95	9,286.13	102.82	91.318		
18,100.00	7,149.80	7,221.78	7,221.08	315.51	30.82	93.38	238.28	-459.52	9,487.30	9,384.52	102.78	92.308		
18,200.00	7,150.04	7,224.17	7,223.47	318.35	30.83	93.42	238.28	-459.53	9,585.69	9,482.91	102.77	93.270		
18,300.00	7,150.28	7,226.66	7,225.96	321.19	30.83	93.45	238.28	-459.54	9,684.10	9,581.33	102.77	94.232		
18,400.00	7,150.52	7,229.25	7,228.55	324.03	30.84	93.49	238.28	-459.55	9,782.55	9,679.78	102.77	95.192		
18,500.00	7,150.76	7,231.94	7,231.24	326.86	30.84	93.52	238.28	-459.56	9,881.03	9,778.26	102.77	96.151		
18,600.00	7,151.00	7,234.73	7,234.03	329.70	30.85	93.56	238.28	-459.57	9,979.54	9,876.77	102.77	97.109		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-117.50	-2,231.74	-4,287.00	4,833.14					
100.00	100.00	106.60	106.59	3.28	3.29	-117.50	-2,231.65	-4,286.79	4,832.93	4,826.36	6.57	735.295		
192.88	192.88	178.88	178.88	3.33	3.33	-117.50	-2,231.47	-4,286.74	4,832.76	4,826.10	6.66	725.906		
200.00	200.00	184.60	184.60	3.34	3.33	-117.50	-2,231.45	-4,286.75	4,832.76	4,826.09	6.67	724.842		
300.00	299.98	318.88	318.88	3.44	3.48	105.29	-2,230.53	-4,286.85	4,833.00	4,826.09	6.92	698.734		
400.00	399.84	417.43	417.43	3.59	3.64	105.33	-2,229.91	-4,286.39	4,833.67	4,826.44	7.23	668.631		
500.00	499.45	485.05	485.04	3.80	3.77	105.36	-2,229.76	-4,286.22	4,835.67	4,828.10	7.56	639.425		
600.00	598.70	585.27	585.26	4.04	4.00	105.44	-2,229.52	-4,286.42	4,839.00	4,830.96	8.04	602.207		
700.00	697.47	722.45	722.44	4.32	4.36	105.63	-2,228.44	-4,286.30	4,842.79	4,834.10	8.68	557.641		
800.00	795.62	818.18	818.16	4.65	4.64	105.75	-2,227.89	-4,285.70	4,847.20	4,837.91	9.29	521.727		
900.00	893.06	895.46	895.44	5.01	4.88	105.84	-2,227.76	-4,285.29	4,852.92	4,843.02	9.89	490.459		
1,000.00	989.64	971.11	971.09	5.42	5.13	105.92	-2,227.77	-4,285.18	4,860.10	4,849.56	10.54	461.088		
1,044.50	1,032.32	1,005.56	1,005.54	5.61	5.24	105.96	-2,227.77	-4,285.26	4,863.79	4,852.94	10.84	448.485		
1,100.00	1,085.43	1,057.21	1,057.21	5.86	5.42	106.13	-2,227.68	-4,285.46	4,868.59	4,857.32	11.26	432.212		
1,200.00	1,181.11	1,176.02	1,175.99	6.33	5.83	106.53	-2,227.08	-4,285.95	4,877.27	4,865.13	12.14	401.799		
1,300.00	1,276.80	1,274.02	1,273.99	6.81	6.18	106.86	-2,226.56	-4,285.90	4,885.68	4,872.71	12.97	376.690		
1,400.00	1,372.49	1,359.84	1,359.81	7.31	6.49	107.14	-2,226.54	-4,285.77	4,894.38	4,880.60	13.78	355.220		
1,500.00	1,468.17	1,439.21	1,439.19	7.83	6.79	107.40	-2,226.75	-4,285.77	4,903.47	4,888.90	14.58	336.349		
1,600.00	1,563.86	1,515.87	1,515.84	8.35	7.07	107.64	-2,227.03	-4,286.08	4,913.11	4,897.73	15.38	319.434		
1,700.00	1,659.55	1,600.95	1,600.93	8.88	7.40	107.92	-2,227.38	-4,286.67	4,923.17	4,906.94	16.23	303.407		
1,800.00	1,755.23	1,685.25	1,685.22	9.42	7.72	108.19	-2,227.93	-4,287.37	4,933.60	4,916.52	17.08	288.879		
1,900.00	1,850.92	1,769.71	1,769.67	9.97	8.05	108.46	-2,228.67	-4,288.19	4,944.39	4,926.45	17.94	275.620		
2,000.00	1,946.61	1,902.46	1,902.41	10.52	8.57	108.88	-2,229.63	-4,289.39	4,955.25	4,936.24	19.00	260.747		
2,100.00	2,042.29	2,026.09	2,026.03	11.07	9.06	109.26	-2,230.39	-4,289.57	4,965.52	4,945.47	20.04	247.771		
2,200.00	2,137.98	2,150.92	2,150.87	11.63	9.56	109.66	-2,230.42	-4,289.07	4,975.19	4,954.10	21.09	235.911		
2,300.00	2,233.67	2,239.00	2,238.94	12.19	9.91	109.93	-2,230.56	-4,288.53	4,984.89	4,962.90	21.99	226.679		
2,400.00	2,329.35	2,314.15	2,314.09	12.76	10.22	110.16	-2,231.18	-4,288.10	4,995.03	4,972.19	22.84	218.679		
2,500.00	2,425.04	2,376.95	2,376.88	13.32	10.47	110.35	-2,231.86	-4,288.07	5,005.85	4,982.21	23.64	211.735		
2,600.00	2,520.72	2,458.96	2,458.89	13.89	10.81	110.60	-2,232.73	-4,288.53	5,017.32	4,992.80	24.53	204.577		
2,700.00	2,616.41	2,567.86	2,567.79	14.46	11.25	110.93	-2,233.62	-4,289.21	5,028.94	5,003.42	25.53	197.008		
2,800.00	2,712.10	2,675.62	2,675.54	15.03	11.69	111.26	-2,234.51	-4,289.49	5,040.36	5,013.83	26.53	190.018		
2,900.00	2,807.78	2,771.36	2,771.27	15.60	12.08	111.55	-2,235.43	-4,289.59	5,051.82	5,024.34	27.47	183.871		
3,000.00	2,903.47	2,845.68	2,845.59	16.18	12.39	111.77	-2,236.29	-4,289.74	5,063.57	5,035.24	28.33	178.725		
3,100.00	2,999.16	2,924.41	2,924.31	16.75	12.72	112.00	-2,237.15	-4,290.40	5,075.99	5,046.78	29.21	173.788		
3,200.00	3,094.84	3,054.47	3,054.37	17.33	13.25	112.40	-2,237.96	-4,291.24	5,088.21	5,057.90	30.31	167.855		
3,300.00	3,190.53	3,145.41	3,145.31	17.90	13.63	112.67	-2,238.66	-4,291.43	5,100.26	5,069.01	31.25	163.229		
3,400.00	3,286.22	3,220.35	3,220.24	18.48	13.94	112.88	-2,239.57	-4,291.77	5,112.78	5,080.67	32.11	159.238		
3,500.00	3,381.90	3,297.27	3,297.15	19.06	14.26	113.11	-2,240.57	-4,292.41	5,125.79	5,092.81	32.98	155.430		
3,600.00	3,477.59	3,429.53	3,429.40	19.64	14.81	113.50	-2,241.58	-4,293.41	5,138.69	5,104.59	34.10	150.696		
3,700.00	3,573.28	3,526.60	3,526.47	20.22	15.22	113.79	-2,241.96	-4,293.95	5,151.44	5,116.38	35.06	146.922		
3,800.00	3,668.96	3,623.65	3,623.52	20.80	15.62	114.07	-2,242.28	-4,294.48	5,164.31	5,128.28	36.03	143.351		
3,900.00	3,764.65	3,720.68	3,720.54	21.38	16.03	114.36	-2,242.55	-4,295.00	5,177.28	5,140.29	36.99	139.968		
4,000.00	3,860.33	3,817.68	3,817.55	21.96	16.44	114.65	-2,242.76	-4,295.52	5,190.36	5,152.41	37.95	136.759		
4,100.00	3,956.02	3,914.67	3,914.53	22.54	16.84	114.93	-2,242.91	-4,296.02	5,203.54	5,164.63	38.92	133.712		
4,200.00	4,051.71	4,011.63	4,011.49	23.13	17.25	115.21	-2,243.00	-4,296.51	5,216.83	5,176.96	39.88	130.815		
4,300.00	4,147.39	4,108.57	4,108.43	23.71	17.66	115.50	-2,243.03	-4,297.00	5,230.23	5,189.39	40.84	128.057		
4,400.00	4,243.08	4,205.92	4,205.78	24.29	18.07	115.78	-2,243.01	-4,297.48	5,243.73	5,201.93	41.81	125.423		
4,500.00	4,338.77	4,310.27	4,310.13	24.88	18.51	116.08	-2,242.72	-4,297.95	5,257.27	5,214.46	42.81	122.816		
4,600.00	4,434.45	4,408.20	4,408.06	25.46	18.92	116.37	-2,242.11	-4,298.39	5,270.84	5,227.06	43.77	120.413		
4,700.00	4,530.14	4,500.20	4,500.06	26.04	19.31	116.64	-2,241.41	-4,298.84	5,284.55	5,239.84	44.71	118.191		
4,800.00	4,625.83	4,565.69	4,565.54	26.63	19.58	116.84	-2,240.88	-4,299.38	5,298.69	5,253.16	45.53	116.389		
4,900.00	4,721.51	4,655.39	4,655.22	27.21	19.96	117.10	-2,240.03	-4,300.58	5,313.40	5,266.94	46.45	114.384		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,764.28	4,764.10	27.80	20.42	117.42	-2,238.94	-4,301.79	5,328.02	5,280.55	47.47	112.239		
5,100.00	4,912.89	4,887.31	4,887.12	28.38	20.94	117.78	-2,238.18	-4,302.65	5,342.50	5,293.95	48.56	110.028		
5,200.00	5,008.57	4,978.01	4,977.82	28.97	21.32	118.02	-2,238.75	-4,302.72	5,356.80	5,307.32	49.49	108.246		
5,300.00	5,104.26	5,056.96	5,056.77	29.55	21.66	118.23	-2,239.54	-4,302.90	5,371.44	5,321.07	50.36	106.656		
5,400.00	5,199.94	5,140.71	5,140.52	30.14	22.01	118.46	-2,240.22	-4,303.41	5,386.49	5,335.23	51.26	105.083		
5,500.00	5,295.63	5,232.90	5,232.70	30.72	22.40	118.71	-2,240.56	-4,304.15	5,401.76	5,349.56	52.20	103.489		
5,600.00	5,391.32	5,347.04	5,346.84	31.31	22.89	119.02	-2,241.05	-4,305.06	5,417.17	5,363.93	53.24	101.749		
5,700.00	5,487.00	5,465.42	5,465.21	31.90	23.39	119.33	-2,241.86	-4,305.14	5,432.00	5,377.70	54.30	100.030		
5,800.00	5,582.69	5,571.16	5,570.94	32.48	23.84	119.60	-2,243.53	-4,304.88	5,446.87	5,391.56	55.31	98.486		
5,900.00	5,678.38	5,661.03	5,660.80	33.07	24.22	119.82	-2,244.89	-4,304.55	5,461.71	5,405.48	56.23	97.130		
6,000.00	5,774.06	5,733.17	5,732.93	33.65	24.52	120.01	-2,245.86	-4,304.51	5,476.93	5,419.86	57.07	95.972		
6,100.00	5,869.75	5,800.00	5,799.75	34.24	24.81	120.18	-2,246.82	-4,304.86	5,492.78	5,434.91	57.88	94.905		
6,200.00	5,965.44	5,893.81	5,893.55	34.83	25.20	120.41	-2,247.87	-4,305.69	5,509.02	5,450.21	58.82	93.661		
6,300.00	6,061.12	6,022.00	6,021.74	35.41	25.75	120.75	-2,248.21	-4,306.64	5,525.09	5,465.16	59.93	92.190		
6,400.00	6,156.81	6,147.06	6,146.80	36.00	26.28	121.08	-2,248.19	-4,306.82	5,540.63	5,479.60	61.03	90.791		
6,500.00	6,252.50	6,246.85	6,246.58	36.59	26.70	121.33	-2,248.46	-4,306.63	5,556.03	5,494.04	62.00	89.621		
6,600.00	6,348.18	6,341.53	6,341.27	37.18	27.10	121.57	-2,248.93	-4,306.42	5,571.54	5,508.61	62.94	88.523		
6,636.04	6,382.67	6,376.07	6,375.81	37.39	27.25	121.66	-2,249.11	-4,306.34	5,577.16	5,513.88	63.28	88.134		
6,650.00	6,396.05	6,389.48	6,389.21	37.47	27.31	118.44	-2,249.18	-4,306.31	5,579.19	5,515.78	63.41	87.983		
6,700.00	6,444.38	6,437.87	6,437.61	37.74	27.51	104.04	-2,249.44	-4,306.20	5,584.02	5,520.15	63.87	87.423		
6,750.00	6,493.07	6,486.63	6,486.36	37.98	27.72	85.51	-2,249.70	-4,306.09	5,585.00	5,520.69	64.31	86.840		
6,800.00	6,541.82	6,535.44	6,535.17	38.18	27.93	65.96	-2,249.96	-4,305.99	5,582.12	5,517.40	64.73	86.244		
6,850.00	6,590.35	6,584.01	6,583.74	38.35	28.13	49.40	-2,250.21	-4,305.88	5,575.40	5,510.30	65.10	85.639		
6,900.00	6,638.34	6,632.04	6,631.77	38.50	28.34	37.19	-2,250.47	-4,305.77	5,564.88	5,499.43	65.45	85.024		
6,950.00	6,685.50	6,679.23	6,678.96	38.64	28.54	28.54	-2,250.72	-4,305.66	5,550.61	5,484.85	65.77	84.396		
7,000.00	6,731.54	6,725.29	6,725.02	38.77	28.73	22.31	-2,250.96	-4,305.56	5,532.69	5,466.63	66.06	83.751		
7,050.00	6,776.18	6,769.94	6,769.66	38.90	28.92	17.67	-2,251.20	-4,305.46	5,511.21	5,444.88	66.33	83.089		
7,100.00	6,819.14	6,812.89	6,812.62	39.03	29.10	14.04	-2,251.43	-4,305.37	5,486.32	5,419.74	66.57	82.408		
7,150.00	6,860.16	6,853.90	6,853.63	39.16	29.28	11.07	-2,251.65	-4,305.27	5,458.15	5,391.35	66.80	81.711		
7,200.00	6,898.98	6,892.70	6,892.43	39.31	29.44	8.52	-2,251.85	-4,305.19	5,426.88	5,359.88	67.00	80.997		
7,250.00	6,935.36	6,929.05	6,928.78	39.47	29.60	6.20	-2,252.05	-4,305.11	5,392.70	5,325.52	67.18	80.267		
7,300.00	6,969.08	6,962.74	6,962.47	39.65	29.74	3.97	-2,252.22	-4,305.03	5,355.82	5,288.47	67.35	79.523		
7,350.00	6,999.94	6,993.55	6,993.27	39.85	29.87	1.67	-2,252.39	-4,304.96	5,316.47	5,248.98	67.50	78.767		
7,400.00	7,027.74	7,021.29	7,021.01	40.08	29.99	-0.87	-2,252.53	-4,304.90	5,274.89	5,207.26	67.63	78.000		
7,450.00	7,052.31	7,045.79	7,045.52	40.34	30.10	-3.87	-2,252.66	-4,304.85	5,231.33	5,163.59	67.74	77.225		
7,500.00	7,073.49	7,066.90	7,066.63	40.63	30.19	-7.69	-2,252.78	-4,304.80	5,186.07	5,118.23	67.84	76.445		
7,550.00	7,091.17	7,084.50	7,084.22	40.95	30.26	-12.94	-2,252.87	-4,304.76	5,139.38	5,071.45	67.93	75.660		
7,600.00	7,105.22	7,098.47	7,098.19	41.31	30.32	-20.81	-2,252.94	-4,304.73	5,091.55	5,023.55	68.00	74.874		
7,650.00	7,115.57	7,108.72	7,108.44	41.71	30.36	-33.58	-2,253.00	-4,304.71	5,042.88	4,974.82	68.06	74.090		
7,700.00	7,122.15	7,115.19	7,114.92	42.15	30.39	-54.79	-2,253.03	-4,304.69	4,993.68	4,925.56	68.12	73.310		
7,750.00	7,124.91	7,117.85	7,117.58	42.62	30.40	-84.03	-2,253.05	-4,304.69	4,944.25	4,876.09	68.16	72.538		
7,759.54	7,125.00	7,117.92	7,117.65	42.72	30.40	-89.61	-2,253.05	-4,304.69	4,934.82	4,866.65	68.17	72.391		
7,800.00	7,125.10	7,117.93	7,117.66	43.13	30.40	-89.61	-2,253.05	-4,304.69	4,894.83	4,826.63	68.20	71.770		
7,900.00	7,125.34	7,117.96	7,117.68	44.28	30.40	-89.62	-2,253.05	-4,304.69	4,796.03	4,727.74	68.29	70.231		
8,000.00	7,125.58	7,117.98	7,117.70	45.61	30.40	-89.62	-2,253.05	-4,304.69	4,697.27	4,628.89	68.39	68.686		
8,100.00	7,125.82	7,118.00	7,117.72	47.10	30.40	-89.62	-2,253.05	-4,304.69	4,598.58	4,530.08	68.50	67.133		
8,200.00	7,126.06	7,118.02	7,117.74	48.72	30.40	-89.62	-2,253.05	-4,304.68	4,499.94	4,431.31	68.63	65.573		
8,300.00	7,126.30	7,118.04	7,117.77	50.48	30.40	-89.62	-2,253.05	-4,304.68	4,401.36	4,332.59	68.77	64.005		
8,400.00	7,126.54	7,118.06	7,117.79	52.34	30.40	-89.62	-2,253.05	-4,304.68	4,302.85	4,233.92	68.92	62.430		
8,500.00	7,126.78	7,118.09	7,117.81	54.30	30.40	-89.63	-2,253.05	-4,304.68	4,204.40	4,135.31	69.10	60.847		
8,600.00	7,127.02	7,118.11	7,117.83	56.35	30.40	-89.63	-2,253.05	-4,304.68	4,106.04	4,036.74	69.29	59.256		
8,700.00	7,127.26	7,118.13	7,117.85	58.47	30.40	-89.63	-2,253.05	-4,304.68	4,007.75	3,938.24	69.51	57.657		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,118.15	7,117.88	60.66	30.40	-89.63	-2,253.05	-4,304.68	3,909.55	3,839.80	69.75	56.050		
8,900.00	7,127.74	7,118.17	7,117.90	62.90	30.40	-89.63	-2,253.05	-4,304.68	3,811.44	3,741.43	70.02	54.435		
9,000.00	7,127.98	7,118.20	7,117.92	65.19	30.40	-89.63	-2,253.05	-4,304.68	3,713.44	3,643.12	70.32	52.811		
9,100.00	7,128.22	7,118.22	7,117.94	67.53	30.40	-89.64	-2,253.05	-4,304.68	3,615.54	3,544.90	70.64	51.179		
9,200.00	7,128.46	7,118.24	7,117.96	69.92	30.40	-89.64	-2,253.05	-4,304.68	3,517.77	3,446.75	71.01	49.539		
9,300.00	7,128.70	7,118.26	7,117.99	72.33	30.40	-89.64	-2,253.05	-4,304.68	3,420.12	3,348.70	71.42	47.890		
9,400.00	7,128.94	7,118.28	7,118.01	74.78	30.40	-89.64	-2,253.05	-4,304.68	3,322.61	3,250.74	71.87	46.233		
9,500.00	7,129.18	7,118.30	7,118.03	77.26	30.40	-89.64	-2,253.05	-4,304.68	3,225.25	3,152.89	72.37	44.569		
9,600.00	7,129.42	7,118.33	7,118.05	79.76	30.40	-89.64	-2,253.05	-4,304.68	3,128.06	3,055.14	72.92	42.897		
9,700.00	7,129.66	7,118.35	7,118.07	82.29	30.40	-89.65	-2,253.05	-4,304.68	3,031.05	2,957.52	73.54	41.219		
9,800.00	7,129.90	7,118.37	7,118.09	84.84	30.40	-89.65	-2,253.05	-4,304.68	2,934.25	2,860.03	74.22	39.535		
9,900.00	7,130.14	7,118.39	7,118.12	87.41	30.40	-89.65	-2,253.05	-4,304.68	2,837.66	2,762.68	74.98	37.845		
10,000.00	7,130.38	7,118.41	7,118.14	90.00	30.40	-89.65	-2,253.05	-4,304.68	2,741.32	2,665.50	75.83	36.152		
10,100.00	7,130.62	7,118.44	7,118.16	92.60	30.40	-89.65	-2,253.05	-4,304.68	2,645.26	2,568.49	76.77	34.456		
10,200.00	7,130.86	7,118.46	7,118.18	95.22	30.40	-89.65	-2,253.05	-4,304.68	2,549.49	2,471.67	77.82	32.760		
10,300.00	7,131.09	7,118.48	7,118.20	97.85	30.40	-89.66	-2,253.05	-4,304.68	2,454.06	2,375.07	79.00	31.065		
10,400.00	7,131.33	7,118.50	7,118.23	100.50	30.40	-89.66	-2,253.05	-4,304.68	2,359.02	2,278.71	80.31	29.375		
10,500.00	7,131.57	7,118.52	7,118.25	103.16	30.40	-89.66	-2,253.05	-4,304.68	2,264.39	2,182.62	81.77	27.691		
10,600.00	7,131.81	7,118.54	7,118.27	105.82	30.40	-89.66	-2,253.05	-4,304.68	2,170.25	2,086.84	83.41	26.018		
10,700.00	7,132.05	7,118.57	7,118.29	108.50	30.40	-89.66	-2,253.05	-4,304.68	2,076.66	1,991.41	85.25	24.359		
10,800.00	7,132.29	7,118.59	7,118.31	111.19	30.41	-89.66	-2,253.05	-4,304.68	1,983.70	1,896.38	87.32	22.719		
10,900.00	7,132.53	7,118.61	7,118.33	113.88	30.41	-89.67	-2,253.05	-4,304.68	1,891.45	1,801.81	89.63	21.102		
11,000.00	7,132.77	7,118.63	7,118.36	116.58	30.41	-89.67	-2,253.05	-4,304.68	1,800.03	1,707.79	92.24	19.515		
11,100.00	7,133.01	7,118.65	7,118.38	119.29	30.41	-89.67	-2,253.05	-4,304.68	1,709.57	1,614.39	95.18	17.962		
11,200.00	7,133.25	7,118.68	7,118.40	122.01	30.41	-89.67	-2,253.05	-4,304.68	1,620.23	1,521.75	98.48	16.452		
11,300.00	7,133.49	7,118.70	7,118.42	124.73	30.41	-89.67	-2,253.05	-4,304.68	1,532.21	1,429.99	102.22	14.990		
11,400.00	7,133.73	7,118.72	7,118.44	127.46	30.41	-89.67	-2,253.05	-4,304.68	1,445.75	1,339.32	106.43	13.584		
11,500.00	7,133.97	7,118.74	7,118.47	130.19	30.41	-89.68	-2,253.05	-4,304.68	1,361.15	1,249.97	111.18	12.243		
11,600.00	7,134.21	7,118.76	7,118.49	132.93	30.41	-89.68	-2,253.05	-4,304.68	1,278.77	1,162.24	116.53	10.974		
11,700.00	7,134.45	7,118.78	7,118.51	135.68	30.41	-89.68	-2,253.05	-4,304.68	1,199.07	1,076.53	122.54	9.785		
11,800.00	7,134.69	7,118.81	7,118.53	138.43	30.41	-89.68	-2,253.05	-4,304.68	1,122.63	993.37	129.25	8.685		
11,900.00	7,134.93	7,118.83	7,118.55	141.18	30.41	-89.68	-2,253.05	-4,304.68	1,050.15	913.46	136.69	7.683		
12,000.00	7,135.17	7,118.85	7,118.57	143.94	30.41	-89.68	-2,253.05	-4,304.68	982.51	837.69	144.82	6.784		
12,100.00	7,135.41	7,118.87	7,118.60	146.70	30.41	-89.69	-2,253.05	-4,304.68	920.79	767.28	153.52	5.998		
12,200.00	7,135.65	7,118.89	7,118.62	149.46	30.41	-89.69	-2,253.05	-4,304.68	866.25	703.72	162.52	5.330		
12,300.00	7,135.89	7,118.92	7,118.64	152.23	30.41	-89.69	-2,253.05	-4,304.68	820.31	648.89	171.42	4.785		
12,400.00	7,136.13	7,118.94	7,118.66	155.00	30.41	-89.69	-2,253.05	-4,304.68	784.49	604.89	179.60	4.368		
12,500.00	7,136.37	7,118.96	7,118.68	157.78	30.41	-89.69	-2,253.05	-4,304.68	760.23	573.90	186.33	4.080		
12,600.00	7,136.61	7,118.98	7,118.71	160.55	30.41	-89.69	-2,253.05	-4,304.68	748.65	557.73	190.92	3.921		
12,637.38	7,136.70	7,118.99	7,118.71	161.59	30.41	-89.69	-2,253.05	-4,304.68	747.72	555.74	191.98	3.895 CC, ES		
12,700.00	7,136.85	7,119.00	7,118.73	163.33	30.41	-89.70	-2,253.05	-4,304.68	750.33	557.44	192.90	3.890 SF		
12,800.00	7,137.09	7,119.02	7,118.75	166.12	30.41	-89.70	-2,253.05	-4,304.68	765.20	573.01	192.19	3.981		
12,900.00	7,137.33	7,119.05	7,118.77	168.90	30.41	-89.70	-2,253.05	-4,304.68	792.50	603.37	189.13	4.190		
13,000.00	7,137.57	7,119.07	7,118.79	171.69	30.41	-89.70	-2,253.05	-4,304.68	831.01	646.71	184.30	4.509		
13,100.00	7,137.81	7,119.09	7,118.81	174.48	30.41	-89.70	-2,253.05	-4,304.68	879.26	700.90	178.36	4.930		
13,200.00	7,138.05	7,119.11	7,118.84	177.27	30.41	-89.70	-2,253.05	-4,304.68	935.75	763.85	171.90	5.444		
13,300.00	7,138.29	7,119.13	7,118.86	180.07	30.41	-89.71	-2,253.05	-4,304.68	999.07	833.73	165.34	6.042		
13,400.00	7,138.53	7,119.16	7,118.88	182.86	30.41	-89.71	-2,253.05	-4,304.68	1,068.02	909.05	158.97	6.718		
13,500.00	7,138.77	7,119.18	7,118.90	185.66	30.41	-89.71	-2,253.05	-4,304.68	1,141.57	988.61	152.96	7.463		
13,600.00	7,139.01	7,119.20	7,118.92	188.46	30.41	-89.71	-2,253.05	-4,304.68	1,218.90	1,071.52	147.38	8.270		
13,700.00	7,139.25	7,119.22	7,118.95	191.26	30.41	-89.71	-2,253.05	-4,304.68	1,299.32	1,157.06	142.27	9.133		
13,800.00	7,139.49	7,119.24	7,118.97	194.06	30.41	-89.71	-2,253.05	-4,304.68	1,382.30	1,244.70	137.61	10.045		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,119.27	7,118.99	196.87	30.41	-89.72	-2,253.06	-4,304.68	1,467.41	1,334.03	133.37	11.002		
14,000.00	7,139.97	7,119.29	7,119.01	199.68	30.41	-89.72	-2,253.06	-4,304.68	1,554.29	1,424.75	129.54	11.999		
14,100.00	7,140.21	7,119.31	7,119.03	202.48	30.41	-89.72	-2,253.06	-4,304.68	1,642.66	1,516.59	126.07	13.030		
14,200.00	7,140.45	7,119.33	7,119.05	205.29	30.41	-89.72	-2,253.06	-4,304.68	1,732.30	1,609.38	122.92	14.093		
14,300.00	7,140.69	7,119.35	7,119.08	208.10	30.41	-89.72	-2,253.06	-4,304.68	1,823.01	1,702.95	120.06	15.184		
14,400.00	7,140.93	7,119.37	7,119.10	210.91	30.41	-89.72	-2,253.06	-4,304.68	1,914.66	1,797.19	117.46	16.300		
14,500.00	7,141.17	7,119.40	7,119.12	213.73	30.41	-89.73	-2,253.06	-4,304.68	2,007.09	1,891.99	115.10	17.438		
14,600.00	7,141.41	7,119.42	7,119.14	216.54	30.41	-89.73	-2,253.06	-4,304.68	2,100.23	1,987.28	112.94	18.595		
14,700.00	7,141.65	7,119.44	7,119.16	219.36	30.41	-89.73	-2,253.06	-4,304.68	2,193.96	2,082.99	110.97	19.770		
14,800.00	7,141.89	7,119.46	7,119.19	222.17	30.41	-89.73	-2,253.06	-4,304.68	2,288.23	2,179.06	109.17	20.961		
14,900.00	7,142.13	7,119.48	7,119.21	224.99	30.41	-89.73	-2,253.06	-4,304.68	2,382.97	2,275.45	107.51	22.165		
15,000.00	7,142.36	7,119.51	7,119.23	227.81	30.41	-89.73	-2,253.06	-4,304.68	2,478.11	2,372.12	105.99	23.381		
15,100.00	7,142.60	7,119.53	7,119.25	230.63	30.41	-89.74	-2,253.06	-4,304.68	2,573.63	2,469.04	104.59	24.608		
15,200.00	7,142.84	7,119.55	7,119.27	233.45	30.41	-89.74	-2,253.06	-4,304.68	2,669.47	2,566.18	103.29	25.844		
15,300.00	7,143.08	7,119.57	7,119.29	236.27	30.41	-89.74	-2,253.06	-4,304.68	2,765.61	2,663.52	102.10	27.088		
15,400.00	7,143.32	7,119.59	7,119.32	239.09	30.41	-89.74	-2,253.06	-4,304.68	2,862.02	2,761.03	100.99	28.340		
15,500.00	7,143.56	7,119.61	7,119.34	241.91	30.41	-89.74	-2,253.06	-4,304.68	2,958.66	2,858.70	99.96	29.598		
15,600.00	7,143.80	7,119.64	7,119.36	244.73	30.41	-89.74	-2,253.06	-4,304.68	3,055.52	2,956.51	99.01	30.862		
15,700.00	7,144.04	7,119.66	7,119.38	247.56	30.41	-89.75	-2,253.06	-4,304.68	3,152.57	3,054.45	98.12	32.130		
15,800.00	7,144.28	7,119.68	7,119.40	250.38	30.41	-89.75	-2,253.06	-4,304.68	3,249.81	3,152.51	97.29	33.402		
15,900.00	7,144.52	7,119.70	7,119.43	253.21	30.41	-89.75	-2,253.06	-4,304.68	3,347.20	3,250.68	96.52	34.678		
16,000.00	7,144.76	7,119.72	7,119.45	256.03	30.41	-89.75	-2,253.06	-4,304.68	3,444.75	3,348.94	95.80	35.956		
16,100.00	7,145.00	7,119.75	7,119.47	258.86	30.41	-89.75	-2,253.06	-4,304.68	3,542.43	3,447.30	95.13	37.237		
16,200.00	7,145.24	7,119.77	7,119.49	261.69	30.41	-89.75	-2,253.06	-4,304.68	3,640.24	3,545.73	94.50	38.520		
16,300.00	7,145.48	7,119.79	7,119.51	264.52	30.41	-89.76	-2,253.06	-4,304.68	3,738.16	3,644.25	93.91	39.804		
16,400.00	7,145.72	7,119.81	7,119.53	267.35	30.41	-89.76	-2,253.06	-4,304.68	3,836.19	3,742.83	93.36	41.089		
16,500.00	7,145.96	7,119.83	7,119.56	270.18	30.41	-89.76	-2,253.06	-4,304.68	3,934.32	3,841.48	92.85	42.375		
16,600.00	7,146.20	7,119.85	7,119.58	273.01	30.41	-89.76	-2,253.06	-4,304.68	4,032.55	3,940.19	92.36	43.661		
16,700.00	7,146.44	7,119.88	7,119.60	275.84	30.41	-89.76	-2,253.06	-4,304.68	4,130.85	4,038.95	91.90	44.948		
16,800.00	7,146.68	7,119.90	7,119.62	278.67	30.41	-89.76	-2,253.06	-4,304.68	4,229.24	4,137.77	91.48	46.234		
16,900.00	7,146.92	7,119.92	7,119.64	281.50	30.41	-89.77	-2,253.06	-4,304.68	4,327.70	4,236.63	91.07	47.520		
17,000.00	7,147.16	7,119.94	7,119.67	284.33	30.41	-89.77	-2,253.06	-4,304.68	4,426.23	4,335.54	90.69	48.805		
17,100.00	7,147.40	7,119.96	7,119.69	287.16	30.41	-89.77	-2,253.06	-4,304.68	4,524.83	4,434.49	90.34	50.089		
17,200.00	7,147.64	7,119.99	7,119.71	290.00	30.41	-89.77	-2,253.06	-4,304.68	4,623.48	4,533.48	90.00	51.372		
17,300.00	7,147.88	7,120.01	7,119.73	292.83	30.41	-89.77	-2,253.06	-4,304.68	4,722.19	4,632.51	89.68	52.654		
17,400.00	7,148.12	7,120.03	7,119.75	295.66	30.41	-89.77	-2,253.06	-4,304.68	4,820.96	4,731.57	89.39	53.935		
17,500.00	7,148.36	7,120.05	7,119.77	298.50	30.41	-89.78	-2,253.06	-4,304.68	4,919.77	4,830.67	89.10	55.214		
17,600.00	7,148.60	7,120.07	7,119.80	301.33	30.41	-89.78	-2,253.06	-4,304.68	5,018.63	4,929.79	88.84	56.491		
17,700.00	7,148.84	7,120.09	7,119.82	304.17	30.41	-89.78	-2,253.06	-4,304.68	5,117.54	5,028.95	88.59	57.766		
17,800.00	7,149.08	7,120.12	7,119.84	307.00	30.41	-89.78	-2,253.06	-4,304.68	5,216.48	5,128.13	88.36	59.040		
17,900.00	7,149.32	7,120.14	7,119.86	309.84	30.41	-89.78	-2,253.06	-4,304.68	5,315.47	5,227.34	88.13	60.311		
18,000.00	7,149.56	7,120.16	7,119.88	312.68	30.41	-89.78	-2,253.06	-4,304.68	5,414.50	5,326.57	87.93	61.580		
18,100.00	7,149.80	7,120.18	7,119.91	315.51	30.41	-89.79	-2,253.06	-4,304.68	5,513.55	5,425.83	87.73	62.847		
18,200.00	7,150.04	7,120.20	7,119.93	318.35	30.41	-89.79	-2,253.06	-4,304.68	5,612.65	5,525.10	87.54	64.112		
18,300.00	7,150.28	7,120.23	7,119.95	321.19	30.41	-89.79	-2,253.06	-4,304.68	5,711.77	5,624.40	87.37	65.374		
18,400.00	7,150.52	7,120.25	7,119.97	324.03	30.41	-89.79	-2,253.06	-4,304.68	5,810.93	5,723.72	87.21	66.634		
18,500.00	7,150.76	7,120.27	7,119.99	326.86	30.41	-89.79	-2,253.06	-4,304.68	5,910.11	5,823.05	87.05	67.891		
18,600.00	7,151.00	7,120.29	7,120.01	329.70	30.41	-89.79	-2,253.06	-4,304.68	6,009.32	5,922.41	86.91	69.145		
18,700.00	7,151.24	7,120.31	7,120.04	332.54	30.41	-89.80	-2,253.06	-4,304.68	6,108.55	6,021.78	86.77	70.396		
18,800.00	7,151.48	7,120.33	7,120.06	335.38	30.41	-89.80	-2,253.06	-4,304.68	6,207.81	6,121.17	86.65	71.645		
18,900.00	7,151.72	7,120.36	7,120.08	338.22	30.41	-89.80	-2,253.06	-4,304.68	6,307.10	6,220.57	86.53	72.891		
19,000.00	7,151.96	7,120.38	7,120.10	341.06	30.41	-89.80	-2,253.06	-4,304.68	6,406.40	6,319.99	86.42	74.134		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	7,120.38	7,120.11	341.58	30.41	-89.80	-2,253.06	-4,304.68	6,424.58	6,338.18	86.40	74.361	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,500.00	7,129.18	11,976.00	7,279.28	77.26	107.53	112.41	-1,253.52	-11,168.87	9,997.57	9,855.76	141.81	70.498		
9,600.00	7,129.42	11,976.00	7,279.28	79.76	107.53	112.41	-1,253.52	-11,168.87	9,897.63	9,755.80	141.83	69.786		
9,700.00	7,129.66	11,976.00	7,279.28	82.29	107.53	112.41	-1,253.52	-11,168.87	9,797.69	9,655.85	141.84	69.074		
9,800.00	7,129.90	11,976.00	7,279.28	84.84	107.53	112.41	-1,253.52	-11,168.87	9,697.76	9,555.90	141.86	68.362		
9,900.00	7,130.14	11,976.00	7,279.28	87.41	107.53	112.41	-1,253.52	-11,168.87	9,597.82	9,455.94	141.88	67.649		
10,000.00	7,130.38	11,976.00	7,279.28	90.00	107.53	112.41	-1,253.52	-11,168.87	9,497.89	9,355.99	141.89	66.936		
10,100.00	7,130.62	11,976.00	7,279.28	92.60	107.53	112.41	-1,253.52	-11,168.87	9,397.95	9,256.04	141.91	66.223		
10,200.00	7,130.86	11,976.00	7,279.28	95.22	107.53	112.41	-1,253.52	-11,168.87	9,298.02	9,156.09	141.94	65.508		
10,300.00	7,131.09	11,976.00	7,279.28	97.85	107.53	112.41	-1,253.52	-11,168.87	9,198.09	9,056.13	141.96	64.794		
10,400.00	7,131.33	11,976.00	7,279.28	100.50	107.53	112.41	-1,253.52	-11,168.87	9,098.16	8,956.18	141.98	64.079		
10,500.00	7,131.57	11,976.00	7,279.28	103.16	107.53	112.41	-1,253.52	-11,168.87	8,998.24	8,856.23	142.01	63.364		
10,600.00	7,131.81	11,976.00	7,279.28	105.82	107.53	112.41	-1,253.52	-11,168.87	8,898.31	8,756.28	142.04	62.648		
10,700.00	7,132.05	11,976.00	7,279.28	108.50	107.53	112.41	-1,253.52	-11,168.87	8,798.39	8,656.32	142.07	61.932		
10,800.00	7,132.29	11,976.00	7,279.28	111.19	107.53	112.41	-1,253.52	-11,168.87	8,698.47	8,556.37	142.10	61.216		
10,900.00	7,132.53	11,976.00	7,279.28	113.88	107.53	112.41	-1,253.52	-11,168.87	8,598.55	8,456.42	142.13	60.499		
11,000.00	7,132.77	11,976.00	7,279.28	116.58	107.53	112.41	-1,253.52	-11,168.87	8,498.63	8,356.47	142.16	59.782		
11,100.00	7,133.01	11,976.00	7,279.28	119.29	107.53	112.41	-1,253.52	-11,168.87	8,398.72	8,256.52	142.20	59.064		
11,200.00	7,133.25	11,976.00	7,279.28	122.01	107.53	112.41	-1,253.52	-11,168.87	8,298.80	8,156.57	142.23	58.346		
11,300.00	7,133.49	11,976.00	7,279.28	124.73	107.53	112.41	-1,253.52	-11,168.87	8,198.89	8,056.62	142.27	57.628		
11,400.00	7,133.73	11,976.00	7,279.28	127.46	107.53	112.41	-1,253.52	-11,168.87	8,098.98	7,956.67	142.31	56.910		
11,500.00	7,133.97	11,976.00	7,279.28	130.19	107.53	112.41	-1,253.52	-11,168.87	7,999.07	7,856.72	142.36	56.191		
11,600.00	7,134.21	11,976.00	7,279.28	132.93	107.53	112.41	-1,253.52	-11,168.87	7,899.17	7,756.77	142.40	55.472		
11,700.00	7,134.45	11,976.00	7,279.28	135.68	107.53	112.41	-1,253.52	-11,168.87	7,799.27	7,656.82	142.45	54.752		
11,800.00	7,134.69	11,976.00	7,279.28	138.43	107.53	112.41	-1,253.52	-11,168.87	7,699.37	7,556.87	142.49	54.033		
11,900.00	7,134.93	11,976.00	7,279.28	141.18	107.53	112.41	-1,253.52	-11,168.87	7,599.47	7,456.92	142.55	53.313		
12,000.00	7,135.17	11,976.00	7,279.28	143.94	107.53	112.41	-1,253.52	-11,168.87	7,499.57	7,356.98	142.60	52.592		
12,100.00	7,135.41	11,976.00	7,279.28	146.70	107.53	112.41	-1,253.52	-11,168.87	7,399.68	7,257.03	142.65	51.872		
12,200.00	7,135.65	11,976.00	7,279.28	149.46	107.53	112.41	-1,253.52	-11,168.87	7,299.79	7,157.08	142.71	51.151		
12,300.00	7,135.89	11,976.00	7,279.28	152.23	107.53	112.41	-1,253.52	-11,168.87	7,199.91	7,057.14	142.77	50.430		
12,400.00	7,136.13	11,976.00	7,279.28	155.00	107.53	112.41	-1,253.52	-11,168.87	7,100.03	6,957.19	142.83	49.708		
12,500.00	7,136.37	11,976.00	7,279.28	157.78	107.53	112.41	-1,253.52	-11,168.87	7,000.15	6,857.25	142.90	48.987		
12,600.00	7,136.61	11,976.00	7,279.28	160.55	107.53	112.41	-1,253.52	-11,168.87	6,900.27	6,757.30	142.97	48.265		
12,700.00	7,136.85	11,976.00	7,279.28	163.33	107.53	112.41	-1,253.52	-11,168.87	6,800.40	6,657.36	143.04	47.543		
12,800.00	7,137.09	11,976.00	7,279.28	166.12	107.53	112.41	-1,253.52	-11,168.87	6,700.53	6,557.42	143.11	46.820		
12,900.00	7,137.33	11,976.00	7,279.28	168.90	107.53	112.41	-1,253.52	-11,168.87	6,600.67	6,457.48	143.19	46.097		
13,000.00	7,137.57	11,976.00	7,279.28	171.69	107.53	112.41	-1,253.52	-11,168.87	6,500.81	6,357.54	143.27	45.374		
13,100.00	7,137.81	11,976.00	7,279.28	174.48	107.53	112.41	-1,253.52	-11,168.87	6,400.95	6,257.60	143.36	44.651		
13,200.00	7,138.05	11,976.00	7,279.28	177.27	107.53	112.41	-1,253.52	-11,168.87	6,301.10	6,157.66	143.44	43.927		
13,300.00	7,138.29	11,976.00	7,279.28	180.07	107.53	112.41	-1,253.52	-11,168.87	6,201.26	6,057.72	143.54	43.204		
13,400.00	7,138.53	11,976.00	7,279.28	182.86	107.53	112.41	-1,253.52	-11,168.87	6,101.41	5,957.78	143.63	42.479		
13,500.00	7,138.77	11,976.00	7,279.28	185.66	107.53	112.41	-1,253.52	-11,168.87	6,001.58	5,857.85	143.73	41.755		
13,600.00	7,139.01	11,976.00	7,279.28	188.46	107.53	112.41	-1,253.52	-11,168.87	5,901.75	5,757.91	143.84	41.030		
13,700.00	7,139.25	11,976.00	7,279.28	191.26	107.53	112.41	-1,253.52	-11,168.87	5,801.92	5,657.97	143.95	40.305		
13,800.00	7,139.49	11,976.00	7,279.28	194.06	107.53	112.41	-1,253.52	-11,168.87	5,702.11	5,558.04	144.07	39.580		
13,900.00	7,139.73	11,976.00	7,279.28	196.87	107.53	112.41	-1,253.52	-11,168.87	5,602.29	5,458.11	144.19	38.854		
14,000.00	7,139.97	11,976.00	7,279.28	199.68	107.53	112.41	-1,253.52	-11,168.87	5,502.49	5,358.17	144.32	38.128		
14,100.00	7,140.21	11,976.00	7,279.28	202.48	107.53	112.41	-1,253.52	-11,168.87	5,402.69	5,258.24	144.45	37.402		
14,200.00	7,140.45	11,976.00	7,279.28	205.29	107.53	112.41	-1,253.52	-11,168.87	5,302.90	5,158.31	144.59	36.675		
14,300.00	7,140.69	11,976.00	7,279.28	208.10	107.53	112.41	-1,253.52	-11,168.87	5,203.12	5,058.38	144.74	35.948		
14,400.00	7,140.93	11,976.00	7,279.28	210.91	107.53	112.41	-1,253.52	-11,168.87	5,103.35	4,958.45	144.90	35.220		
14,500.00	7,141.17	11,976.00	7,279.28	213.73	107.53	112.41	-1,253.52	-11,168.87	5,003.58	4,858.52	145.06	34.493		
14,600.00	7,141.41	11,976.00	7,279.28	216.54	107.53	112.41	-1,253.52	-11,168.87	4,903.83	4,758.59	145.24	33.764		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,700.00	7,141.65	11,976.00	7,279.28	219.36	107.53	112.41	-1,253.52	-11,168.87	4,804.08	4,658.66	145.42	33.035		
14,800.00	7,141.89	11,976.00	7,279.28	222.17	107.53	112.41	-1,253.52	-11,168.87	4,704.35	4,558.73	145.62	32.306		
14,900.00	7,142.13	11,976.00	7,279.28	224.99	107.53	112.41	-1,253.52	-11,168.87	4,604.63	4,458.80	145.83	31.576		
15,000.00	7,142.36	11,976.00	7,279.28	227.81	107.53	112.41	-1,253.52	-11,168.87	4,504.92	4,358.87	146.05	30.846		
15,100.00	7,142.60	11,976.00	7,279.28	230.63	107.53	112.41	-1,253.52	-11,168.87	4,405.22	4,258.94	146.28	30.115		
15,200.00	7,142.84	11,976.00	7,279.28	233.45	107.53	112.41	-1,253.52	-11,168.87	4,305.54	4,159.01	146.53	29.383		
15,300.00	7,143.08	11,976.00	7,279.28	236.27	107.53	112.41	-1,253.52	-11,168.87	4,205.87	4,059.07	146.80	28.651		
15,400.00	7,143.32	11,976.00	7,279.28	239.09	107.53	112.41	-1,253.52	-11,168.87	4,106.22	3,959.14	147.08	27.918		
15,500.00	7,143.56	11,976.00	7,279.28	241.91	107.53	112.41	-1,253.52	-11,168.87	4,006.58	3,859.20	147.38	27.185		
15,600.00	7,143.80	11,976.00	7,279.28	244.73	107.53	112.41	-1,253.52	-11,168.87	3,906.97	3,759.26	147.71	26.451		
15,700.00	7,144.04	11,976.00	7,279.28	247.56	107.53	112.41	-1,253.52	-11,168.87	3,807.37	3,659.32	148.06	25.716		
15,800.00	7,144.28	11,976.00	7,279.28	250.38	107.53	112.41	-1,253.52	-11,168.87	3,707.80	3,559.37	148.43	24.980		
15,900.00	7,144.52	11,976.00	7,279.28	253.21	107.53	112.41	-1,253.52	-11,168.87	3,608.25	3,459.42	148.83	24.244		
16,000.00	7,144.76	11,976.00	7,279.28	256.03	107.53	112.41	-1,253.52	-11,168.87	3,508.73	3,359.46	149.27	23.506		
16,100.00	7,145.00	11,976.00	7,279.28	258.86	107.53	112.41	-1,253.52	-11,168.87	3,409.23	3,259.49	149.74	22.768		
16,200.00	7,145.24	11,976.00	7,279.28	261.69	107.53	112.41	-1,253.52	-11,168.87	3,309.76	3,159.52	150.25	22.029		
16,300.00	7,145.48	11,976.00	7,279.28	264.52	107.53	112.41	-1,253.52	-11,168.87	3,210.33	3,059.53	150.80	21.289		
16,400.00	7,145.72	11,976.00	7,279.28	267.35	107.53	112.41	-1,253.52	-11,168.87	3,110.94	2,959.54	151.40	20.548		
16,500.00	7,145.96	11,976.00	7,279.28	270.18	107.53	112.41	-1,253.52	-11,168.87	3,011.58	2,859.53	152.05	19.806		
16,600.00	7,146.20	11,976.00	7,279.28	273.01	107.53	112.41	-1,253.52	-11,168.87	2,912.27	2,759.50	152.77	19.064		
16,700.00	7,146.44	11,976.00	7,279.28	275.84	107.53	112.41	-1,253.52	-11,168.87	2,813.00	2,659.45	153.55	18.320		
16,800.00	7,146.68	11,976.00	7,279.28	278.67	107.53	112.41	-1,253.52	-11,168.87	2,713.79	2,559.39	154.41	17.576		
16,900.00	7,146.92	11,976.00	7,279.28	281.50	107.53	112.41	-1,253.52	-11,168.87	2,614.64	2,459.29	155.35	16.831		
17,000.00	7,147.16	11,976.00	7,279.28	284.33	107.53	112.41	-1,253.52	-11,168.87	2,515.56	2,359.17	156.39	16.085		
17,100.00	7,147.40	11,976.00	7,279.28	287.16	107.53	112.41	-1,253.52	-11,168.87	2,416.56	2,259.01	157.54	15.339		
17,200.00	7,147.64	11,976.00	7,279.28	290.00	107.53	112.41	-1,253.52	-11,168.87	2,317.63	2,158.82	158.82	14.593		
17,300.00	7,147.88	11,976.00	7,279.28	292.83	107.53	112.41	-1,253.52	-11,168.87	2,218.81	2,058.57	160.24	13.847		
17,400.00	7,148.12	11,976.00	7,279.28	295.66	107.53	112.41	-1,253.52	-11,168.87	2,120.10	1,958.27	161.83	13.101		
17,500.00	7,148.36	11,976.00	7,279.28	298.50	107.53	112.41	-1,253.52	-11,168.87	2,021.51	1,857.90	163.61	12.356		
17,600.00	7,148.60	11,976.00	7,279.28	301.33	107.53	112.41	-1,253.52	-11,168.87	1,923.07	1,757.46	165.61	11.612		
17,700.00	7,148.84	11,976.00	7,279.28	304.17	107.53	112.41	-1,253.52	-11,168.87	1,824.79	1,656.93	167.86	10.871		
17,800.00	7,149.08	11,976.00	7,279.28	307.00	107.53	112.41	-1,253.52	-11,168.87	1,726.72	1,556.30	170.42	10.132		
17,900.00	7,149.32	11,976.00	7,279.28	309.84	107.53	112.41	-1,253.52	-11,168.87	1,628.88	1,455.55	173.33	9.397		
18,000.00	7,149.56	11,976.00	7,279.28	312.68	107.53	112.41	-1,253.52	-11,168.87	1,531.32	1,354.65	176.67	8.668		
18,100.00	7,149.80	11,976.00	7,279.28	315.51	107.53	112.41	-1,253.52	-11,168.87	1,434.10	1,253.59	180.50	7.945		
18,200.00	7,150.04	11,976.00	7,279.28	318.35	107.53	112.41	-1,253.52	-11,168.87	1,337.28	1,152.33	184.95	7.231		
18,300.00	7,150.28	11,976.00	7,279.28	321.19	107.53	112.41	-1,253.52	-11,168.87	1,240.97	1,050.85	190.12	6.527		
18,400.00	7,150.52	11,976.00	7,279.28	324.03	107.53	112.41	-1,253.52	-11,168.87	1,145.29	949.11	196.18	5.838		
18,500.00	7,150.76	11,976.00	7,279.28	326.86	107.53	112.41	-1,253.52	-11,168.87	1,050.42	847.07	203.35	5.166		
18,600.00	7,151.00	11,976.00	7,279.28	329.70	107.53	112.41	-1,253.52	-11,168.87	956.59	744.71	211.89	4.515		
18,700.00	7,151.24	11,976.00	7,279.28	332.54	107.53	112.41	-1,253.52	-11,168.87	864.15	642.02	222.13	3.890		
18,800.00	7,151.48	11,976.00	7,279.28	335.38	107.53	112.41	-1,253.52	-11,168.87	773.60	539.08	234.51	3.299		
18,900.00	7,151.72	11,976.00	7,279.28	338.22	107.53	112.41	-1,253.52	-11,168.87	685.67	436.13	249.54	2.748		
19,000.00	7,151.96	11,976.00	7,279.28	341.06	107.53	112.41	-1,253.52	-11,168.87	601.52	333.79	267.73	2.247		
19,018.30	7,152.00	11,976.00	7,279.28	341.58	107.53	112.41	-1,253.52	-11,168.87	586.66	315.22	271.44	2.161	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,200.00	7,128.46	11,988.00	7,170.83	69.92	108.39	93.97	-1,219.30	-10,863.71	9,992.04	9,851.24	140.79	70.970		
9,300.00	7,128.70	11,988.00	7,170.83	72.33	108.39	93.97	-1,219.30	-10,863.71	9,892.10	9,751.30	140.80	70.259		
9,400.00	7,128.94	11,988.00	7,170.83	74.78	108.39	93.97	-1,219.30	-10,863.71	9,792.16	9,651.36	140.80	69.547		
9,500.00	7,129.18	11,988.00	7,170.83	77.26	108.39	93.97	-1,219.30	-10,863.71	9,692.23	9,551.42	140.80	68.835		
9,600.00	7,129.42	11,988.00	7,170.83	79.76	108.39	93.97	-1,219.30	-10,863.71	9,592.30	9,451.48	140.81	68.122		
9,700.00	7,129.66	11,988.00	7,170.83	82.29	108.39	93.97	-1,219.30	-10,863.71	9,492.36	9,351.54	140.82	67.408		
9,800.00	7,129.90	11,988.00	7,170.83	84.84	108.39	93.97	-1,219.30	-10,863.71	9,392.43	9,251.61	140.83	66.694		
9,900.00	7,130.14	11,988.00	7,170.83	87.41	108.39	93.97	-1,219.30	-10,863.71	9,292.50	9,151.67	140.84	65.980		
10,000.00	7,130.38	11,988.00	7,170.83	90.00	108.39	93.97	-1,219.30	-10,863.71	9,192.58	9,051.73	140.85	65.265		
10,100.00	7,130.62	11,988.00	7,170.83	92.60	108.39	93.97	-1,219.30	-10,863.71	9,092.65	8,951.79	140.86	64.550		
10,200.00	7,130.86	11,988.00	7,170.83	95.22	108.39	93.97	-1,219.30	-10,863.71	8,992.73	8,851.85	140.88	63.834		
10,300.00	7,131.09	11,988.00	7,170.83	97.85	108.39	93.97	-1,219.30	-10,863.71	8,892.81	8,751.91	140.89	63.118		
10,400.00	7,131.33	11,988.00	7,170.83	100.50	108.39	93.97	-1,219.30	-10,863.71	8,792.88	8,651.98	140.91	62.401		
10,500.00	7,131.57	11,988.00	7,170.83	103.16	108.39	93.97	-1,219.30	-10,863.71	8,692.97	8,552.04	140.93	61.684		
10,600.00	7,131.81	11,988.00	7,170.83	105.82	108.39	93.97	-1,219.30	-10,863.71	8,593.05	8,452.10	140.95	60.966		
10,700.00	7,132.05	11,988.00	7,170.83	108.50	108.39	93.97	-1,219.30	-10,863.71	8,493.13	8,352.16	140.97	60.248		
10,800.00	7,132.29	11,988.00	7,170.83	111.19	108.39	93.97	-1,219.30	-10,863.71	8,393.22	8,252.23	140.99	59.529		
10,900.00	7,132.53	11,988.00	7,170.83	113.88	108.39	93.97	-1,219.30	-10,863.71	8,293.31	8,152.29	141.02	58.810		
11,000.00	7,132.77	11,988.00	7,170.83	116.58	108.39	93.97	-1,219.30	-10,863.71	8,193.40	8,052.36	141.04	58.091		
11,100.00	7,133.01	11,988.00	7,170.83	119.29	108.39	93.97	-1,219.30	-10,863.71	8,093.50	7,952.42	141.07	57.371		
11,200.00	7,133.25	11,988.00	7,170.83	122.01	108.39	93.97	-1,219.30	-10,863.71	7,993.59	7,852.49	141.10	56.651		
11,300.00	7,133.49	11,988.00	7,170.83	124.73	108.39	93.97	-1,219.30	-10,863.71	7,893.69	7,752.56	141.13	55.931		
11,400.00	7,133.73	11,988.00	7,170.83	127.46	108.39	93.97	-1,219.30	-10,863.71	7,793.79	7,652.62	141.17	55.210		
11,500.00	7,133.97	11,988.00	7,170.83	130.19	108.39	93.97	-1,219.30	-10,863.71	7,693.90	7,552.69	141.20	54.488		
11,600.00	7,134.21	11,988.00	7,170.83	132.93	108.39	93.97	-1,219.30	-10,863.71	7,594.00	7,452.76	141.24	53.766		
11,700.00	7,134.45	11,988.00	7,170.83	135.68	108.39	93.97	-1,219.30	-10,863.71	7,494.11	7,352.83	141.28	53.044		
11,800.00	7,134.69	11,988.00	7,170.83	138.43	108.39	93.97	-1,219.30	-10,863.71	7,394.22	7,252.90	141.32	52.322		
11,900.00	7,134.93	11,988.00	7,170.83	141.18	108.39	93.97	-1,219.30	-10,863.71	7,294.34	7,152.97	141.37	51.599		
12,000.00	7,135.17	11,988.00	7,170.83	143.94	108.39	93.97	-1,219.30	-10,863.71	7,194.46	7,053.04	141.41	50.876		
12,100.00	7,135.41	11,988.00	7,170.83	146.70	108.39	93.97	-1,219.30	-10,863.71	7,094.58	6,953.12	141.46	50.152		
12,200.00	7,135.65	11,988.00	7,170.83	149.46	108.39	93.97	-1,219.30	-10,863.71	6,994.70	6,853.19	141.51	49.428		
12,300.00	7,135.89	11,988.00	7,170.83	152.23	108.39	93.97	-1,219.30	-10,863.71	6,894.83	6,753.27	141.57	48.703		
12,400.00	7,136.13	11,988.00	7,170.83	155.00	108.39	93.97	-1,219.30	-10,863.71	6,794.97	6,653.34	141.63	47.979		
12,500.00	7,136.37	11,988.00	7,170.83	157.78	108.39	93.97	-1,219.30	-10,863.71	6,695.10	6,553.42	141.69	47.253		
12,600.00	7,136.61	11,988.00	7,170.83	160.55	108.39	93.97	-1,219.30	-10,863.71	6,595.24	6,453.49	141.75	46.528		
12,700.00	7,136.85	11,988.00	7,170.83	163.33	108.39	93.97	-1,219.30	-10,863.71	6,495.39	6,353.57	141.82	45.802		
12,800.00	7,137.09	11,988.00	7,170.83	166.12	108.39	93.97	-1,219.30	-10,863.71	6,395.54	6,253.65	141.89	45.075		
12,900.00	7,137.33	11,988.00	7,170.83	168.90	108.39	93.97	-1,219.30	-10,863.71	6,295.69	6,153.73	141.96	44.348		
13,000.00	7,137.57	11,988.00	7,170.83	171.69	108.39	93.97	-1,219.30	-10,863.71	6,195.85	6,053.81	142.04	43.621		
13,100.00	7,137.81	11,988.00	7,170.83	174.48	108.39	93.97	-1,219.30	-10,863.71	6,096.02	5,953.90	142.12	42.894		
13,200.00	7,138.05	11,988.00	7,170.83	177.27	108.39	93.97	-1,219.30	-10,863.71	5,996.19	5,853.98	142.21	42.165		
13,300.00	7,138.29	11,988.00	7,170.83	180.07	108.39	93.97	-1,219.30	-10,863.71	5,896.36	5,754.07	142.30	41.437		
13,400.00	7,138.53	11,988.00	7,170.83	182.86	108.39	93.97	-1,219.30	-10,863.71	5,796.55	5,654.15	142.39	40.708		
13,500.00	7,138.77	11,988.00	7,170.83	185.66	108.39	93.97	-1,219.30	-10,863.71	5,696.73	5,554.24	142.50	39.978		
13,600.00	7,139.01	11,988.00	7,170.83	188.46	108.39	93.97	-1,219.30	-10,863.71	5,596.93	5,454.33	142.60	39.248		
13,700.00	7,139.25	11,988.00	7,170.83	191.26	108.39	93.97	-1,219.30	-10,863.71	5,497.13	5,354.41	142.72	38.518		
13,800.00	7,139.49	11,988.00	7,170.83	194.06	108.39	93.97	-1,219.30	-10,863.71	5,397.34	5,254.50	142.84	37.787		
13,900.00	7,139.73	11,988.00	7,170.83	196.87	108.39	93.97	-1,219.30	-10,863.71	5,297.56	5,154.59	142.96	37.055		
14,000.00	7,139.97	11,988.00	7,170.83	199.68	108.39	93.97	-1,219.30	-10,863.71	5,197.78	5,054.68	143.10	36.323		
14,100.00	7,140.21	11,988.00	7,170.83	202.48	108.39	93.97	-1,219.30	-10,863.71	5,098.02	4,954.78	143.24	35.590		
14,200.00	7,140.45	11,988.00	7,170.83	205.29	108.39	93.97	-1,219.30	-10,863.71	4,998.26	4,854.87	143.39	34.857		
14,300.00	7,140.69	11,988.00	7,170.83	208.10	108.39	93.97	-1,219.30	-10,863.71	4,898.52	4,754.96	143.56	34.123		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,400.00	7,140.93	11,988.00	7,170.83	210.91	108.39	93.97	-1,219.30	-10,863.71	4,798.78	4,655.05	143.73	33.388		
14,500.00	7,141.17	11,988.00	7,170.83	213.73	108.39	93.97	-1,219.30	-10,863.71	4,699.06	4,555.15	143.91	32.653		
14,600.00	7,141.41	11,988.00	7,170.83	216.54	108.39	93.97	-1,219.30	-10,863.71	4,599.35	4,455.24	144.11	31.916		
14,700.00	7,141.65	11,988.00	7,170.83	219.36	108.39	93.97	-1,219.30	-10,863.71	4,499.65	4,355.33	144.31	31.180		
14,800.00	7,141.89	11,988.00	7,170.83	222.17	108.39	93.97	-1,219.30	-10,863.71	4,399.96	4,255.42	144.54	30.442		
14,900.00	7,142.13	11,988.00	7,170.83	224.99	108.39	93.97	-1,219.30	-10,863.71	4,300.29	4,155.51	144.78	29.703		
15,000.00	7,142.36	11,988.00	7,170.83	227.81	108.39	93.97	-1,219.30	-10,863.71	4,200.63	4,055.60	145.03	28.964		
15,100.00	7,142.60	11,988.00	7,170.83	230.63	108.39	93.97	-1,219.30	-10,863.71	4,101.00	3,955.69	145.31	28.223		
15,200.00	7,142.84	11,988.00	7,170.83	233.45	108.39	93.97	-1,219.30	-10,863.71	4,001.38	3,855.77	145.60	27.482		
15,300.00	7,143.08	11,988.00	7,170.83	236.27	108.39	93.97	-1,219.30	-10,863.71	3,901.77	3,755.86	145.92	26.739		
15,400.00	7,143.32	11,988.00	7,170.83	239.09	108.39	93.97	-1,219.30	-10,863.71	3,802.19	3,655.93	146.26	25.996		
15,500.00	7,143.56	11,988.00	7,170.83	241.91	108.39	93.97	-1,219.30	-10,863.71	3,702.64	3,556.01	146.63	25.252		
15,600.00	7,143.80	11,988.00	7,170.83	244.73	108.39	93.97	-1,219.30	-10,863.71	3,603.10	3,456.07	147.03	24.506		
15,700.00	7,144.04	11,988.00	7,170.83	247.56	108.39	93.97	-1,219.30	-10,863.71	3,503.60	3,356.13	147.46	23.759		
15,800.00	7,144.28	11,988.00	7,170.83	250.38	108.39	93.97	-1,219.30	-10,863.71	3,404.12	3,256.19	147.93	23.011		
15,900.00	7,144.52	11,988.00	7,170.83	253.21	108.39	93.97	-1,219.30	-10,863.71	3,304.67	3,156.23	148.44	22.262		
16,000.00	7,144.76	11,988.00	7,170.83	256.03	108.39	93.97	-1,219.30	-10,863.71	3,205.26	3,056.26	149.00	21.512		
16,100.00	7,145.00	11,988.00	7,170.83	258.86	108.39	93.97	-1,219.30	-10,863.71	3,105.89	2,956.28	149.61	20.760		
16,200.00	7,145.24	11,988.00	7,170.83	261.69	108.39	93.97	-1,219.30	-10,863.71	3,006.55	2,856.28	150.27	20.007		
16,300.00	7,145.48	11,988.00	7,170.83	264.52	108.39	93.97	-1,219.30	-10,863.71	2,907.27	2,756.27	151.00	19.253		
16,400.00	7,145.72	11,988.00	7,170.83	267.35	108.39	93.97	-1,219.30	-10,863.71	2,808.03	2,656.23	151.80	18.498		
16,500.00	7,145.96	11,988.00	7,170.83	270.18	108.39	93.97	-1,219.30	-10,863.71	2,708.85	2,556.17	152.68	17.742		
16,600.00	7,146.20	11,988.00	7,170.83	273.01	108.39	93.97	-1,219.30	-10,863.71	2,609.74	2,456.08	153.65	16.985		
16,700.00	7,146.44	11,988.00	7,170.83	275.84	108.39	93.97	-1,219.30	-10,863.71	2,510.69	2,355.96	154.73	16.226		
16,800.00	7,146.68	11,988.00	7,170.83	278.67	108.39	93.97	-1,219.30	-10,863.71	2,411.72	2,255.80	155.92	15.468		
16,900.00	7,146.92	11,988.00	7,170.83	281.50	108.39	93.97	-1,219.30	-10,863.71	2,312.84	2,155.60	157.24	14.709		
17,000.00	7,147.16	11,988.00	7,170.83	284.33	108.39	93.97	-1,219.30	-10,863.71	2,214.06	2,055.34	158.72	13.950		
17,100.00	7,147.40	11,988.00	7,170.83	287.16	108.39	93.97	-1,219.30	-10,863.71	2,115.40	1,955.03	160.37	13.191		
17,200.00	7,147.64	11,988.00	7,170.83	290.00	108.39	93.97	-1,219.30	-10,863.71	2,016.86	1,854.64	162.22	12.433		
17,300.00	7,147.88	11,988.00	7,170.83	292.83	108.39	93.97	-1,219.30	-10,863.71	1,918.48	1,754.18	164.30	11.676		
17,400.00	7,148.12	11,988.00	7,170.83	295.66	108.39	93.97	-1,219.30	-10,863.71	1,820.28	1,653.62	166.66	10.922		
17,500.00	7,148.36	11,988.00	7,170.83	298.50	108.39	93.97	-1,219.30	-10,863.71	1,722.28	1,552.95	169.33	10.171		
17,600.00	7,148.60	11,988.00	7,170.83	301.33	108.39	93.97	-1,219.30	-10,863.71	1,624.53	1,452.15	172.37	9.424		
17,700.00	7,148.84	11,988.00	7,170.83	304.17	108.39	93.97	-1,219.30	-10,863.71	1,527.07	1,351.21	175.86	8.683		
17,800.00	7,149.08	11,988.00	7,170.83	307.00	108.39	93.97	-1,219.30	-10,863.71	1,429.95	1,250.08	179.87	7.950		
17,900.00	7,149.32	11,988.00	7,170.83	309.84	108.39	93.97	-1,219.30	-10,863.71	1,333.27	1,148.76	184.51	7.226		
18,000.00	7,149.56	11,988.00	7,170.83	312.68	108.39	93.97	-1,219.30	-10,863.71	1,237.11	1,047.20	189.91	6.514		
18,100.00	7,149.80	11,988.00	7,170.83	315.51	108.39	93.97	-1,219.30	-10,863.71	1,141.61	945.36	196.25	5.817		
18,200.00	7,150.04	11,988.00	7,170.83	318.35	108.39	93.97	-1,219.30	-10,863.71	1,046.95	843.22	203.73	5.139		
18,300.00	7,150.28	11,988.00	7,170.83	321.19	108.39	93.97	-1,219.30	-10,863.71	953.39	740.75	212.64	4.484		
18,400.00	7,150.52	11,988.00	7,170.83	324.03	108.39	93.97	-1,219.30	-10,863.71	861.27	637.95	223.32	3.857		
18,500.00	7,150.76	11,988.00	7,170.83	326.86	108.39	93.97	-1,219.30	-10,863.71	771.12	534.90	236.22	3.264		
18,600.00	7,151.00	11,988.00	7,170.83	329.70	108.39	93.97	-1,219.30	-10,863.71	683.71	431.86	251.85	2.715		
18,700.00	7,151.24	11,988.00	7,170.83	332.54	108.39	93.97	-1,219.30	-10,863.71	600.25	329.50	270.75	2.217		
18,800.00	7,151.48	11,988.00	7,170.83	335.38	108.39	93.97	-1,219.30	-10,863.71	522.63	229.42	293.21	1.782		
18,900.00	7,151.72	11,988.00	7,170.83	338.22	108.39	93.97	-1,219.30	-10,863.71	453.84	135.15	318.69	1.424	Level 3	
19,000.00	7,151.96	11,988.00	7,170.83	341.06	108.39	93.97	-1,219.30	-10,863.71	398.51	53.33	345.18	1.154	Level 2	
19,018.30	7,152.00	11,988.00	7,170.83	341.58	108.39	93.97	-1,219.30	-10,863.71	390.31	40.36	349.95	1.115	Level 2, CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,500.00	7,129.18	11,790.00	7,095.39	77.26	106.81	81.60	-1,223.89	-11,131.40	9,959.63	9,819.06	140.57	70.853		
9,600.00	7,129.42	11,790.00	7,095.39	79.76	106.81	81.60	-1,223.89	-11,131.40	9,859.69	9,719.12	140.57	70.140		
9,700.00	7,129.66	11,790.00	7,095.39	82.29	106.81	81.60	-1,223.89	-11,131.40	9,759.76	9,619.18	140.58	69.425		
9,800.00	7,129.90	11,790.00	7,095.39	84.84	106.81	81.60	-1,223.89	-11,131.40	9,659.82	9,519.24	140.59	68.711		
9,900.00	7,130.14	11,790.00	7,095.39	87.41	106.81	81.60	-1,223.89	-11,131.40	9,559.89	9,419.30	140.60	67.995		
10,000.00	7,130.38	11,790.00	7,095.39	90.00	106.81	81.60	-1,223.89	-11,131.40	9,459.96	9,319.35	140.61	67.279		
10,100.00	7,130.62	11,790.00	7,095.39	92.60	106.81	81.60	-1,223.89	-11,131.40	9,360.03	9,219.41	140.62	66.563		
10,200.00	7,130.86	11,790.00	7,095.39	95.22	106.81	81.60	-1,223.89	-11,131.40	9,260.10	9,119.47	140.63	65.846		
10,300.00	7,131.09	11,790.00	7,095.39	97.85	106.81	81.60	-1,223.89	-11,131.40	9,160.18	9,019.53	140.65	65.129		
10,400.00	7,131.33	11,790.00	7,095.39	100.50	106.81	81.60	-1,223.89	-11,131.40	9,060.25	8,919.59	140.66	64.412		
10,500.00	7,131.57	11,790.00	7,095.39	103.16	106.81	81.60	-1,223.89	-11,131.40	8,960.33	8,819.65	140.68	63.693		
10,600.00	7,131.81	11,790.00	7,095.39	105.82	106.81	81.60	-1,223.89	-11,131.40	8,860.41	8,719.71	140.70	62.975		
10,700.00	7,132.05	11,790.00	7,095.39	108.50	106.81	81.60	-1,223.89	-11,131.40	8,760.49	8,619.77	140.72	62.256		
10,800.00	7,132.29	11,790.00	7,095.39	111.19	106.81	81.60	-1,223.89	-11,131.40	8,660.57	8,519.83	140.74	61.536		
10,900.00	7,132.53	11,790.00	7,095.39	113.88	106.81	81.60	-1,223.89	-11,131.40	8,560.66	8,419.89	140.76	60.816		
11,000.00	7,132.77	11,790.00	7,095.39	116.58	106.81	81.60	-1,223.89	-11,131.40	8,460.74	8,319.96	140.79	60.096		
11,100.00	7,133.01	11,790.00	7,095.39	119.29	106.81	81.60	-1,223.89	-11,131.40	8,360.83	8,220.02	140.81	59.376		
11,200.00	7,133.25	11,790.00	7,095.39	122.01	106.81	81.60	-1,223.89	-11,131.40	8,260.92	8,120.08	140.84	58.654		
11,300.00	7,133.49	11,790.00	7,095.39	124.73	106.81	81.60	-1,223.89	-11,131.40	8,161.01	8,020.14	140.87	57.933		
11,400.00	7,133.73	11,790.00	7,095.39	127.46	106.81	81.60	-1,223.89	-11,131.40	8,061.11	7,920.21	140.90	57.211		
11,500.00	7,133.97	11,790.00	7,095.39	130.19	106.81	81.60	-1,223.89	-11,131.40	7,961.21	7,820.27	140.93	56.489		
11,600.00	7,134.21	11,790.00	7,095.39	132.93	106.81	81.60	-1,223.89	-11,131.40	7,861.31	7,720.34	140.97	55.766		
11,700.00	7,134.45	11,790.00	7,095.39	135.68	106.81	81.60	-1,223.89	-11,131.40	7,761.41	7,620.40	141.01	55.043		
11,800.00	7,134.69	11,790.00	7,095.39	138.43	106.81	81.60	-1,223.89	-11,131.40	7,661.51	7,520.47	141.05	54.320		
11,900.00	7,134.93	11,790.00	7,095.39	141.18	106.81	81.60	-1,223.89	-11,131.40	7,561.62	7,420.54	141.09	53.596		
12,000.00	7,135.17	11,790.00	7,095.39	143.94	106.81	81.60	-1,223.89	-11,131.40	7,461.73	7,320.60	141.13	52.872		
12,100.00	7,135.41	11,790.00	7,095.39	146.70	106.81	81.60	-1,223.89	-11,131.40	7,361.85	7,220.67	141.17	52.147		
12,200.00	7,135.65	11,790.00	7,095.39	149.46	106.81	81.60	-1,223.89	-11,131.40	7,261.96	7,120.74	141.22	51.422		
12,300.00	7,135.89	11,790.00	7,095.39	152.23	106.81	81.60	-1,223.89	-11,131.40	7,162.08	7,020.81	141.27	50.697		
12,400.00	7,136.13	11,790.00	7,095.39	155.00	106.81	81.60	-1,223.89	-11,131.40	7,062.21	6,920.88	141.33	49.971		
12,500.00	7,136.37	11,790.00	7,095.39	157.78	106.81	81.60	-1,223.89	-11,131.40	6,962.33	6,820.95	141.38	49.245		
12,600.00	7,136.61	11,790.00	7,095.39	160.55	106.81	81.60	-1,223.89	-11,131.40	6,862.47	6,721.03	141.44	48.519		
12,700.00	7,136.85	11,790.00	7,095.39	163.33	106.81	81.60	-1,223.89	-11,131.40	6,762.60	6,621.10	141.50	47.792		
12,800.00	7,137.09	11,790.00	7,095.39	166.12	106.81	81.60	-1,223.89	-11,131.40	6,662.74	6,521.17	141.56	47.065		
12,900.00	7,137.33	11,790.00	7,095.39	168.90	106.81	81.60	-1,223.89	-11,131.40	6,562.88	6,421.25	141.63	46.337		
13,000.00	7,137.57	11,790.00	7,095.39	171.69	106.81	81.60	-1,223.89	-11,131.40	6,463.03	6,321.33	141.70	45.609		
13,100.00	7,137.81	11,790.00	7,095.39	174.48	106.81	81.60	-1,223.89	-11,131.40	6,363.18	6,221.40	141.78	44.881		
13,200.00	7,138.05	11,790.00	7,095.39	177.27	106.81	81.60	-1,223.89	-11,131.40	6,263.34	6,121.48	141.86	44.152		
13,300.00	7,138.29	11,790.00	7,095.39	180.07	106.81	81.60	-1,223.89	-11,131.40	6,163.50	6,021.56	141.94	43.423		
13,400.00	7,138.53	11,790.00	7,095.39	182.86	106.81	81.60	-1,223.89	-11,131.40	6,063.67	5,921.64	142.03	42.694		
13,500.00	7,138.77	11,790.00	7,095.39	185.66	106.81	81.60	-1,223.89	-11,131.40	5,963.84	5,821.72	142.12	41.964		
13,600.00	7,139.01	11,790.00	7,095.39	188.46	106.81	81.60	-1,223.89	-11,131.40	5,864.02	5,721.80	142.22	41.233		
13,700.00	7,139.25	11,790.00	7,095.39	191.26	106.81	81.60	-1,223.89	-11,131.40	5,764.20	5,621.89	142.32	40.502		
13,800.00	7,139.49	11,790.00	7,095.39	194.06	106.81	81.60	-1,223.89	-11,131.40	5,664.40	5,521.97	142.43	39.771		
13,900.00	7,139.73	11,790.00	7,095.39	196.87	106.81	81.60	-1,223.89	-11,131.40	5,564.60	5,422.05	142.54	39.039		
14,000.00	7,139.97	11,790.00	7,095.39	199.68	106.81	81.60	-1,223.89	-11,131.40	5,464.80	5,322.14	142.66	38.306		
14,100.00	7,140.21	11,790.00	7,095.39	202.48	106.81	81.60	-1,223.89	-11,131.40	5,365.01	5,222.23	142.79	37.573		
14,200.00	7,140.45	11,790.00	7,095.39	205.29	106.81	81.60	-1,223.89	-11,131.40	5,265.24	5,122.31	142.92	36.840		
14,300.00	7,140.69	11,790.00	7,095.39	208.10	106.81	81.60	-1,223.89	-11,131.40	5,165.47	5,022.40	143.07	36.105		
14,400.00	7,140.93	11,790.00	7,095.39	210.91	106.81	81.60	-1,223.89	-11,131.40	5,065.71	4,922.49	143.22	35.371		
14,500.00	7,141.17	11,790.00	7,095.39	213.73	106.81	81.60	-1,223.89	-11,131.40	4,965.95	4,822.58	143.38	34.635		
14,600.00	7,141.41	11,790.00	7,095.39	216.54	106.81	81.60	-1,223.89	-11,131.40	4,866.21	4,722.66	143.55	33.899		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,700.00	7,141.65	11,790.00	7,095.39	219.36	106.81	81.60	-1,223.89	-11,131.40	4,766.48	4,622.75	143.73	33.162		
14,800.00	7,141.89	11,790.00	7,095.39	222.17	106.81	81.60	-1,223.89	-11,131.40	4,666.76	4,522.84	143.93	32.425		
14,900.00	7,142.13	11,790.00	7,095.39	224.99	106.81	81.60	-1,223.89	-11,131.40	4,567.06	4,422.93	144.13	31.687		
15,000.00	7,142.36	11,790.00	7,095.39	227.81	106.81	81.60	-1,223.89	-11,131.40	4,467.36	4,323.01	144.35	30.948		
15,100.00	7,142.60	11,790.00	7,095.39	230.63	106.81	81.60	-1,223.89	-11,131.40	4,367.69	4,223.10	144.59	30.208		
15,200.00	7,142.84	11,790.00	7,095.39	233.45	106.81	81.60	-1,223.89	-11,131.40	4,268.02	4,123.18	144.84	29.467		
15,300.00	7,143.08	11,790.00	7,095.39	236.27	106.81	81.60	-1,223.89	-11,131.40	4,168.37	4,023.26	145.11	28.725		
15,400.00	7,143.32	11,790.00	7,095.39	239.09	106.81	81.60	-1,223.89	-11,131.40	4,068.74	3,923.34	145.40	27.982		
15,500.00	7,143.56	11,790.00	7,095.39	241.91	106.81	81.60	-1,223.89	-11,131.40	3,969.13	3,823.41	145.72	27.239		
15,600.00	7,143.80	11,790.00	7,095.39	244.73	106.81	81.60	-1,223.89	-11,131.40	3,869.54	3,723.48	146.05	26.494		
15,700.00	7,144.04	11,790.00	7,095.39	247.56	106.81	81.60	-1,223.89	-11,131.40	3,769.97	3,623.55	146.42	25.748		
15,800.00	7,144.28	11,790.00	7,095.39	250.38	106.81	81.60	-1,223.89	-11,131.40	3,670.42	3,523.61	146.81	25.001		
15,900.00	7,144.52	11,790.00	7,095.39	253.21	106.81	81.60	-1,223.89	-11,131.40	3,570.90	3,423.66	147.23	24.253		
16,000.00	7,144.76	11,790.00	7,095.39	256.03	106.81	81.60	-1,223.89	-11,131.40	3,471.40	3,323.71	147.70	23.504		
16,100.00	7,145.00	11,790.00	7,095.39	258.86	106.81	81.60	-1,223.89	-11,131.40	3,371.94	3,223.74	148.20	22.753		
16,200.00	7,145.24	11,790.00	7,095.39	261.69	106.81	81.60	-1,223.89	-11,131.40	3,272.51	3,123.77	148.74	22.002		
16,300.00	7,145.48	11,790.00	7,095.39	264.52	106.81	81.60	-1,223.89	-11,131.40	3,173.11	3,023.78	149.33	21.249		
16,400.00	7,145.72	11,790.00	7,095.39	267.35	106.81	81.60	-1,223.89	-11,131.40	3,073.75	2,923.77	149.98	20.494		
16,500.00	7,145.96	11,790.00	7,095.39	270.18	106.81	81.60	-1,223.89	-11,131.40	2,974.44	2,823.75	150.69	19.739		
16,600.00	7,146.20	11,790.00	7,095.39	273.01	106.81	81.60	-1,223.89	-11,131.40	2,875.17	2,723.71	151.47	18.982		
16,700.00	7,146.44	11,790.00	7,095.39	275.84	106.81	81.60	-1,223.89	-11,131.40	2,775.96	2,623.64	152.32	18.225		
16,800.00	7,146.68	11,790.00	7,095.39	278.67	106.81	81.60	-1,223.89	-11,131.40	2,676.80	2,523.54	153.26	17.466		
16,900.00	7,146.92	11,790.00	7,095.39	281.50	106.81	81.60	-1,223.89	-11,131.40	2,577.71	2,423.42	154.30	16.706		
17,000.00	7,147.16	11,790.00	7,095.39	284.33	106.81	81.60	-1,223.89	-11,131.40	2,478.70	2,323.25	155.45	15.946		
17,100.00	7,147.40	11,790.00	7,095.39	287.16	106.81	81.60	-1,223.89	-11,131.40	2,379.76	2,223.04	156.72	15.185		
17,200.00	7,147.64	11,790.00	7,095.39	290.00	106.81	81.60	-1,223.89	-11,131.40	2,280.92	2,122.78	158.14	14.424		
17,300.00	7,147.88	11,790.00	7,095.39	292.83	106.81	81.60	-1,223.89	-11,131.40	2,182.18	2,022.46	159.72	13.663		
17,400.00	7,148.12	11,790.00	7,095.39	295.66	106.81	81.60	-1,223.89	-11,131.40	2,083.57	1,922.08	161.49	12.902		
17,500.00	7,148.36	11,790.00	7,095.39	298.50	106.81	81.60	-1,223.89	-11,131.40	1,985.09	1,821.61	163.48	12.143		
17,600.00	7,148.60	11,790.00	7,095.39	301.33	106.81	81.60	-1,223.89	-11,131.40	1,886.78	1,721.06	165.72	11.385		
17,700.00	7,148.84	11,790.00	7,095.39	304.17	106.81	81.60	-1,223.89	-11,131.40	1,788.64	1,620.39	168.25	10.631		
17,800.00	7,149.08	11,790.00	7,095.39	307.00	106.81	81.60	-1,223.89	-11,131.40	1,690.73	1,519.61	171.13	9.880		
17,900.00	7,149.32	11,790.00	7,095.39	309.84	106.81	81.60	-1,223.89	-11,131.40	1,593.08	1,418.67	174.41	9.134		
18,000.00	7,149.56	11,790.00	7,095.39	312.68	106.81	81.60	-1,223.89	-11,131.40	1,495.74	1,317.57	178.17	8.395		
18,100.00	7,149.80	11,790.00	7,095.39	315.51	106.81	81.60	-1,223.89	-11,131.40	1,398.77	1,216.27	182.50	7.664		
18,200.00	7,150.04	11,790.00	7,095.39	318.35	106.81	81.60	-1,223.89	-11,131.40	1,302.27	1,114.74	187.53	6.944		
18,300.00	7,150.28	11,790.00	7,095.39	321.19	106.81	81.60	-1,223.89	-11,131.40	1,206.33	1,012.94	193.39	6.238		
18,400.00	7,150.52	11,790.00	7,095.39	324.03	106.81	81.60	-1,223.89	-11,131.40	1,111.11	910.84	200.27	5.548		
18,500.00	7,150.76	11,790.00	7,095.39	326.86	106.81	81.60	-1,223.89	-11,131.40	1,016.80	808.39	208.41	4.879		
18,600.00	7,151.00	11,790.00	7,095.39	329.70	106.81	81.60	-1,223.89	-11,131.40	923.70	705.57	218.12	4.235		
18,700.00	7,151.24	11,790.00	7,095.39	332.54	106.81	81.60	-1,223.89	-11,131.40	832.20	602.41	229.79	3.622		
18,800.00	7,151.48	11,790.00	7,095.39	335.38	106.81	81.60	-1,223.89	-11,131.40	742.89	499.01	243.88	3.046		
18,900.00	7,151.72	11,790.00	7,095.39	338.22	106.81	81.60	-1,223.89	-11,131.40	656.66	395.74	260.93	2.517		
19,000.00	7,151.96	11,790.00	7,095.39	341.06	106.81	81.60	-1,223.89	-11,131.40	574.92	293.51	281.41	2.043		
19,018.30	7,152.00	11,790.00	7,095.39	341.58	106.81	81.60	-1,223.89	-11,131.40	560.61	275.06	285.55	1.963	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-142.57	-2,387.60	-1,827.29	3,006.66					
100.00	100.00	79.00	79.00	3.28	3.56	-142.57	-2,387.60	-1,827.29	3,006.59	2,999.75	6.84	439.381		
200.00	200.00	179.00	179.00	3.34	5.57	-142.57	-2,387.60	-1,827.29	3,006.59	2,997.68	8.91	337.505		
300.00	299.98	278.98	278.98	3.44	8.64	80.22	-2,387.60	-1,827.29	3,006.29	2,994.21	12.08	248.850		
400.00	399.84	378.84	378.84	3.59	11.94	80.33	-2,387.60	-1,827.29	3,005.41	2,989.88	15.53	193.519		
500.00	499.45	478.45	478.45	3.80	15.31	80.52	-2,387.60	-1,827.29	3,003.95	2,984.85	19.10	157.248		
600.00	598.70	577.70	577.70	4.04	18.71	80.79	-2,387.60	-1,827.29	3,001.96	2,979.21	22.75	131.974		
700.00	697.47	676.47	676.47	4.32	22.11	81.13	-2,387.60	-1,827.29	2,999.47	2,973.04	26.43	113.466		
800.00	795.62	774.62	774.62	4.65	25.51	81.54	-2,387.60	-1,827.29	2,996.55	2,966.39	30.15	99.375		
900.00	893.06	872.06	872.06	5.01	28.88	82.02	-2,387.60	-1,827.29	2,993.25	2,959.35	33.89	88.312		
1,000.00	989.64	968.64	968.64	5.42	32.24	82.57	-2,387.60	-1,827.29	2,989.66	2,952.01	37.65	79.408		
1,044.50	1,032.32	1,011.32	1,011.32	5.61	33.72	82.83	-2,387.60	-1,827.29	2,987.99	2,948.67	39.32	75.986		
1,100.00	1,085.43	1,064.43	1,064.43	5.86	35.57	83.13	-2,387.60	-1,827.29	2,985.93	2,944.52	41.42	72.097		
1,200.00	1,181.11	1,160.11	1,160.11	6.33	38.89	83.66	-2,387.60	-1,827.29	2,982.44	2,937.23	45.21	65.970		
1,300.00	1,276.80	1,255.80	1,255.80	6.81	42.22	84.19	-2,387.60	-1,827.29	2,979.23	2,930.21	49.02	60.771		
1,400.00	1,372.49	1,351.49	1,351.49	7.31	45.55	84.72	-2,387.60	-1,827.29	2,976.30	2,923.44	52.86	56.310		
1,500.00	1,468.17	1,447.17	1,447.17	7.83	48.89	85.26	-2,387.60	-1,827.29	2,973.65	2,916.94	56.70	52.444		
1,600.00	1,563.86	1,542.86	1,542.86	8.35	52.22	85.79	-2,387.60	-1,827.29	2,971.28	2,910.72	60.56	49.064		
1,700.00	1,659.55	1,638.55	1,638.55	8.88	55.55	86.32	-2,387.60	-1,827.29	2,969.19	2,904.76	64.43	46.087		
1,800.00	1,755.23	1,734.23	1,734.23	9.42	58.89	86.86	-2,387.60	-1,827.29	2,967.38	2,899.08	68.30	43.446		
1,900.00	1,850.92	1,829.92	1,829.92	9.97	62.22	87.40	-2,387.60	-1,827.29	2,965.86	2,893.68	72.18	41.088		
2,000.00	1,946.61	1,925.61	1,925.61	10.52	65.56	87.93	-2,387.60	-1,827.29	2,964.63	2,888.56	76.07	38.973		
2,100.00	2,042.29	2,021.29	2,021.29	11.07	68.90	88.47	-2,387.60	-1,827.29	2,963.67	2,883.71	79.96	37.064		
2,200.00	2,137.98	2,116.98	2,116.98	11.63	72.23	89.01	-2,387.60	-1,827.29	2,963.00	2,879.15	83.86	35.334		
2,300.00	2,233.67	2,212.67	2,212.67	12.19	75.57	89.55	-2,387.60	-1,827.29	2,962.62	2,874.87	87.76	33.760		
2,384.54	2,314.56	2,306.44	2,293.56	12.67	78.84	90.00	-2,387.60	-1,827.29	2,962.52	2,871.02	91.50	32.376		
2,400.00	2,329.35	2,308.35	2,308.35	12.76	78.91	90.08	-2,387.60	-1,827.29	2,962.52	2,870.86	91.66	32.321		
2,500.00	2,425.04	2,404.04	2,404.04	13.32	82.25	90.62	-2,387.60	-1,827.29	2,962.71	2,867.15	95.56	31.003		
2,600.00	2,520.72	2,500.28	2,499.72	13.89	85.60	91.16	-2,387.60	-1,827.29	2,963.18	2,863.69	99.49	29.784		
2,700.00	2,616.41	2,604.59	2,595.41	14.46	89.24	91.70	-2,387.60	-1,827.29	2,963.94	2,860.24	103.70	28.582		
2,800.00	2,712.10	2,708.90	2,691.10	15.03	92.88	92.23	-2,387.60	-1,827.29	2,964.98	2,857.07	107.91	27.477		
2,900.00	2,807.78	2,786.78	2,786.78	15.60	95.60	92.77	-2,387.60	-1,827.29	2,966.30	2,855.10	111.20	26.676		
3,000.00	2,903.47	2,882.47	2,882.47	16.18	98.94	93.31	-2,387.60	-1,827.29	2,967.91	2,852.80	115.11	25.783		
3,100.00	2,999.16	2,978.16	2,978.16	16.75	102.27	93.84	-2,387.60	-1,827.29	2,969.80	2,850.78	119.02	24.951		
3,200.00	3,094.84	3,073.84	3,073.84	17.33	105.61	94.38	-2,387.60	-1,827.29	2,971.98	2,849.04	122.94	24.174		
3,300.00	3,190.53	3,169.53	3,169.53	17.90	108.95	94.91	-2,387.60	-1,827.29	2,974.43	2,847.58	126.85	23.448		
3,400.00	3,286.22	3,265.22	3,265.22	18.48	112.29	95.44	-2,387.60	-1,827.29	2,977.17	2,846.41	130.77	22.767		
3,500.00	3,381.90	3,360.90	3,360.90	19.06	115.63	95.98	-2,387.60	-1,827.29	2,980.19	2,845.51	134.68	22.127		
3,600.00	3,477.59	3,456.59	3,456.59	19.64	118.97	96.51	-2,387.60	-1,827.29	2,983.49	2,844.89	138.60	21.526		
3,700.00	3,573.28	3,552.28	3,552.28	20.22	122.31	97.04	-2,387.60	-1,827.29	2,987.07	2,844.56	142.51	20.960		
3,800.00	3,668.96	3,647.96	3,647.96	20.80	125.65	97.57	-2,387.60	-1,827.29	2,990.93	2,844.50	146.43	20.426		
3,900.00	3,764.65	3,743.65	3,743.65	21.38	128.99	98.09	-2,387.60	-1,827.29	2,995.06	2,844.72	150.34	19.921		
4,000.00	3,860.33	3,839.33	3,839.33	21.96	132.33	98.62	-2,387.60	-1,827.29	2,999.47	2,845.21	154.26	19.444		
4,100.00	3,956.02	3,935.02	3,935.02	22.54	135.67	99.14	-2,387.60	-1,827.29	3,004.15	2,845.98	158.17	18.993		
4,200.00	4,051.71	4,030.71	4,030.71	23.13	139.01	99.67	-2,387.60	-1,827.29	3,009.11	2,847.02	162.09	18.565		
4,300.00	4,147.39	4,126.39	4,126.39	23.71	142.34	100.19	-2,387.60	-1,827.29	3,014.34	2,848.34	166.00	18.159		
4,400.00	4,243.08	4,222.08	4,222.08	24.29	145.68	100.71	-2,387.60	-1,827.29	3,019.84	2,849.92	169.91	17.773		
4,500.00	4,338.77	4,317.77	4,317.77	24.88	149.02	101.23	-2,387.60	-1,827.29	3,025.60	2,851.78	173.82	17.406		
4,600.00	4,434.45	4,413.45	4,413.45	25.46	152.36	101.74	-2,387.60	-1,827.29	3,031.64	2,853.90	177.73	17.057		
4,700.00	4,530.14	4,509.14	4,509.14	26.04	155.70	102.26	-2,387.60	-1,827.29	3,037.94	2,856.29	181.65	16.725		
4,800.00	4,625.83	4,604.83	4,604.83	26.63	159.04	102.77	-2,387.60	-1,827.29	3,044.50	2,858.95	185.55	16.408		
4,900.00	4,721.51	4,700.51	4,700.51	27.21	162.38	103.28	-2,387.60	-1,827.29	3,051.33	2,861.87	189.46	16.105		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,803.80	4,796.20	27.80	165.99	103.79	-2,387.60	-1,827.29	3,058.42	2,864.79	193.64	15.795		
5,100.00	4,912.89	4,908.11	4,891.89	28.38	169.63	104.30	-2,387.60	-1,827.29	3,065.77	2,867.93	197.84	15.496		
5,200.00	5,008.57	4,987.57	4,987.57	28.97	172.40	104.80	-2,387.60	-1,827.29	3,073.37	2,872.19	201.18	15.276		
5,300.00	5,104.26	5,083.26	5,083.26	29.55	175.74	105.30	-2,387.60	-1,827.29	3,081.23	2,876.15	205.09	15.024		
5,400.00	5,199.94	5,178.94	5,178.94	30.14	179.08	105.80	-2,387.60	-1,827.29	3,089.35	2,880.36	208.99	14.782		
5,500.00	5,295.63	5,274.63	5,274.63	30.72	182.42	106.30	-2,387.60	-1,827.29	3,097.71	2,884.82	212.89	14.550		
5,600.00	5,391.32	5,370.32	5,370.32	31.31	185.76	106.79	-2,387.60	-1,827.29	3,106.33	2,889.53	216.80	14.328		
5,700.00	5,487.00	5,466.00	5,466.00	31.90	189.10	107.28	-2,387.60	-1,827.29	3,115.19	2,894.49	220.70	14.115		
5,800.00	5,582.69	5,561.69	5,561.69	32.48	192.44	107.77	-2,387.60	-1,827.29	3,124.29	2,899.70	224.59	13.911		
5,900.00	5,678.38	5,657.38	5,657.38	33.07	195.78	108.26	-2,387.60	-1,827.29	3,133.64	2,905.15	228.49	13.714		
6,000.00	5,774.06	5,753.06	5,753.06	33.65	199.12	108.74	-2,387.60	-1,827.29	3,143.23	2,910.84	232.39	13.526		
6,100.00	5,869.75	5,848.75	5,848.75	34.24	202.46	109.22	-2,387.60	-1,827.29	3,153.06	2,916.78	236.28	13.344		
6,200.00	5,965.44	5,944.44	5,944.44	34.83	205.80	109.70	-2,387.60	-1,827.29	3,163.12	2,922.95	240.18	13.170		
6,300.00	6,061.12	6,040.12	6,040.12	35.41	209.14	110.17	-2,387.60	-1,827.29	3,173.42	2,929.35	244.07	13.002		
6,400.00	6,156.81	6,135.81	6,135.81	36.00	212.48	110.65	-2,387.60	-1,827.29	3,183.95	2,935.99	247.96	12.841		
6,500.00	6,252.50	6,231.50	6,231.50	36.59	215.82	111.12	-2,387.60	-1,827.29	3,194.71	2,942.86	251.85	12.685		
6,600.00	6,348.18	6,327.18	6,327.18	37.18	219.16	111.58	-2,387.60	-1,827.29	3,205.70	2,949.96	255.74	12.535		
6,636.04	6,382.67	6,361.67	6,361.67	37.39	220.37	111.75	-2,387.60	-1,827.29	3,209.71	2,952.57	257.14	12.482		
6,650.00	6,396.05	6,375.05	6,375.05	37.47	220.83	108.57	-2,387.60	-1,827.29	3,211.13	2,953.45	257.68	12.462		
6,700.00	6,444.38	6,423.38	6,423.38	37.74	222.52	94.28	-2,387.60	-1,827.29	3,213.88	2,954.26	259.63	12.379		
6,750.00	6,493.07	6,472.07	6,472.07	37.98	224.22	75.80	-2,387.60	-1,827.29	3,212.96	2,951.40	261.56	12.284		
6,800.00	6,541.82	6,520.82	6,520.82	38.18	225.92	56.22	-2,387.60	-1,827.29	3,208.36	2,944.90	263.46	12.178		
6,850.00	6,590.35	6,569.35	6,569.35	38.35	227.61	39.58	-2,387.60	-1,827.29	3,200.10	2,934.78	265.32	12.061		
6,900.00	6,638.34	6,617.34	6,617.34	38.50	229.29	27.20	-2,387.60	-1,827.29	3,188.21	2,921.08	267.13	11.935		
6,950.00	6,685.50	6,664.50	6,664.50	38.64	230.94	18.31	-2,387.60	-1,827.29	3,172.77	2,903.87	268.90	11.799		
7,000.00	6,731.54	6,710.54	6,710.54	38.77	232.54	11.75	-2,387.60	-1,827.29	3,153.86	2,883.25	270.61	11.655		
7,050.00	6,776.18	6,755.18	6,755.18	38.90	234.10	6.67	-2,387.60	-1,827.29	3,131.59	2,859.32	272.26	11.502		
7,100.00	6,819.14	6,801.86	6,798.14	39.03	235.73	2.49	-2,387.60	-1,827.29	3,106.09	2,832.11	273.97	11.337		
7,150.00	6,860.16	6,839.16	6,839.16	39.16	237.03	-1.17	-2,387.60	-1,827.29	3,077.52	2,802.17	275.35	11.177		
7,200.00	6,898.98	6,877.98	6,877.98	39.31	238.39	-4.58	-2,387.60	-1,827.29	3,046.05	2,769.27	276.77	11.006		
7,250.00	6,935.36	6,914.36	6,914.36	39.47	239.66	-7.96	-2,387.60	-1,827.29	3,011.88	2,733.77	278.11	10.830		
7,300.00	6,969.08	6,948.08	6,948.08	39.65	240.83	-11.51	-2,387.60	-1,827.29	2,975.23	2,695.87	279.35	10.650		
7,350.00	6,999.94	6,978.94	6,978.94	39.85	241.91	-15.44	-2,387.60	-1,827.29	2,936.32	2,655.82	280.50	10.468		
7,400.00	7,027.74	7,006.74	7,006.74	40.08	242.88	-19.97	-2,387.60	-1,827.29	2,895.41	2,613.87	281.54	10.284		
7,450.00	7,052.31	7,031.31	7,031.31	40.34	243.74	-25.38	-2,387.60	-1,827.29	2,852.75	2,570.28	282.47	10.099		
7,500.00	7,073.49	7,052.49	7,052.49	40.63	244.48	-32.01	-2,387.60	-1,827.29	2,808.63	2,525.34	283.30	9.914		
7,550.00	7,091.17	7,070.17	7,070.17	40.95	245.10	-40.22	-2,387.60	-1,827.29	2,763.34	2,479.33	284.01	9.730		
7,600.00	7,105.22	7,084.22	7,084.22	41.31	245.59	-50.28	-2,387.60	-1,827.29	2,717.16	2,432.56	284.60	9.547		
7,650.00	7,115.57	7,105.43	7,094.57	41.71	246.33	-62.07	-2,387.60	-1,827.29	2,670.40	2,384.95	285.46	9.355		
7,700.00	7,122.15	7,101.15	7,101.15	42.15	246.18	-74.86	-2,387.60	-1,827.29	2,623.38	2,337.94	285.44	9.191		
7,750.00	7,124.91	7,103.91	7,103.91	42.62	246.27	-87.38	-2,387.60	-1,827.29	2,576.41	2,290.72	285.68	9.018		
7,759.54	7,125.00	7,104.00	7,104.00	42.72	246.28	-89.64	-2,387.60	-1,827.29	2,567.47	2,281.76	285.72	8.986		
7,800.00	7,125.10	7,104.10	7,104.10	43.13	246.28	-89.64	-2,387.60	-1,827.29	2,529.66	2,243.81	285.85	8.849		
7,900.00	7,125.34	7,104.34	7,104.34	44.28	246.29	-89.66	-2,387.60	-1,827.29	2,436.58	2,150.34	286.24	8.512		
8,000.00	7,125.58	7,104.58	7,104.58	45.61	246.30	-89.67	-2,387.60	-1,827.29	2,344.06	2,057.37	286.69	8.176		
8,100.00	7,125.82	7,104.82	7,104.82	47.10	246.31	-89.69	-2,387.60	-1,827.29	2,252.18	1,964.95	287.24	7.841		
8,200.00	7,126.06	7,105.06	7,105.06	48.72	246.31	-89.70	-2,387.60	-1,827.29	2,161.03	1,873.16	287.87	7.507		
8,300.00	7,126.30	7,105.30	7,105.30	50.48	246.32	-89.72	-2,387.60	-1,827.29	2,070.69	1,782.07	288.62	7.174		
8,400.00	7,126.54	7,105.54	7,105.54	52.34	246.33	-89.73	-2,387.60	-1,827.29	1,981.28	1,691.77	289.51	6.844		
8,500.00	7,126.78	7,105.78	7,105.78	54.30	246.34	-89.75	-2,387.60	-1,827.29	1,892.93	1,602.39	290.54	6.515		
8,600.00	7,127.02	7,106.02	7,106.02	56.35	246.35	-89.76	-2,387.60	-1,827.29	1,805.79	1,514.04	291.75	6.190		
8,700.00	7,127.26	7,106.26	7,106.26	58.47	246.36	-89.78	-2,387.60	-1,827.29	1,720.06	1,426.90	293.16	5.867		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,106.50	7,106.50	60.66	246.36	-89.79	-2,387.60	-1,827.29	1,635.94	1,341.15	294.79	5.549		
8,900.00	7,127.74	7,106.74	7,106.74	62.90	246.37	-89.81	-2,387.60	-1,827.29	1,553.71	1,257.02	296.69	5.237		
9,000.00	7,127.98	7,106.98	7,106.98	65.19	246.38	-89.82	-2,387.60	-1,827.29	1,473.68	1,174.80	298.87	4.931		
9,100.00	7,128.22	7,107.22	7,107.22	67.53	246.39	-89.84	-2,387.60	-1,827.29	1,396.22	1,094.84	301.38	4.633		
9,200.00	7,128.46	7,107.46	7,107.46	69.92	246.40	-89.85	-2,387.60	-1,827.29	1,321.80	1,017.57	304.23	4.345		
9,300.00	7,128.70	7,107.70	7,107.70	72.33	246.41	-89.87	-2,387.60	-1,827.29	1,250.94	943.50	307.44	4.069		
9,400.00	7,128.94	7,107.94	7,107.94	74.78	246.41	-89.88	-2,387.60	-1,827.29	1,184.30	873.28	311.02	3.808		
9,500.00	7,129.18	7,108.18	7,108.18	77.26	246.42	-89.90	-2,387.60	-1,827.29	1,122.62	807.68	314.93	3.565		
9,600.00	7,129.42	7,108.42	7,108.42	79.76	246.43	-89.91	-2,387.60	-1,827.29	1,066.76	747.63	319.14	3.343		
9,700.00	7,129.66	7,108.66	7,108.66	82.29	246.44	-89.93	-2,387.60	-1,827.29	1,017.69	694.17	323.52	3.146		
9,800.00	7,129.90	7,108.90	7,108.90	84.84	246.45	-89.95	-2,387.60	-1,827.29	976.42	648.49	327.93	2.978		
9,900.00	7,130.14	7,109.14	7,109.14	87.41	246.46	-89.96	-2,387.60	-1,827.29	943.99	611.83	332.15	2.842		
10,000.00	7,130.38	7,109.38	7,109.38	90.00	246.47	-89.98	-2,387.60	-1,827.29	921.31	585.37	335.95	2.742		
10,100.00	7,130.62	7,109.62	7,109.62	92.60	246.47	-89.99	-2,387.60	-1,827.29	909.13	570.06	339.07	2.681		
10,161.46	7,130.76	7,109.76	7,109.76	94.21	246.48	-90.00	-2,387.60	-1,827.29	907.06	566.48	340.58	2.663 CC, ES		
10,200.00	7,130.86	7,109.86	7,109.86	95.22	246.48	-90.01	-2,387.60	-1,827.29	907.87	566.54	341.34	2.660 SF		
10,300.00	7,131.09	7,110.09	7,110.09	97.85	246.49	-90.02	-2,387.60	-1,827.29	917.57	574.94	342.64	2.678		
10,400.00	7,131.33	7,110.33	7,110.33	100.50	246.50	-90.04	-2,387.60	-1,827.29	937.90	594.91	342.99	2.734		
10,500.00	7,131.57	7,110.57	7,110.57	103.16	246.51	-90.05	-2,387.60	-1,827.29	968.17	625.69	342.48	2.827		
10,600.00	7,131.81	7,110.81	7,110.81	105.82	246.52	-90.07	-2,387.60	-1,827.29	1,007.51	666.21	341.29	2.952		
10,700.00	7,132.05	7,111.05	7,111.05	108.50	246.52	-90.08	-2,387.60	-1,827.29	1,054.88	715.28	339.60	3.106		
10,800.00	7,132.29	7,111.29	7,111.29	111.19	246.53	-90.10	-2,387.60	-1,827.29	1,109.27	771.69	337.59	3.286		
10,900.00	7,132.53	7,111.53	7,111.53	113.88	246.54	-90.11	-2,387.60	-1,827.29	1,169.70	834.30	335.40	3.488		
11,000.00	7,132.77	7,111.77	7,111.77	116.58	246.55	-90.13	-2,387.60	-1,827.29	1,235.27	902.13	333.14	3.708		
11,100.00	7,133.01	7,112.01	7,112.01	119.29	246.56	-90.14	-2,387.60	-1,827.29	1,305.22	974.31	330.91	3.944		
11,200.00	7,133.25	7,112.25	7,112.25	122.01	246.57	-90.16	-2,387.60	-1,827.29	1,378.88	1,050.13	328.75	4.194		
11,300.00	7,133.49	7,112.49	7,112.49	124.73	246.57	-90.17	-2,387.60	-1,827.29	1,455.69	1,129.00	326.69	4.456		
11,400.00	7,133.73	7,112.73	7,112.73	127.46	246.58	-90.19	-2,387.60	-1,827.29	1,535.16	1,210.41	324.75	4.727		
11,500.00	7,133.97	7,112.97	7,112.97	130.19	246.59	-90.20	-2,387.60	-1,827.29	1,616.92	1,293.98	322.94	5.007		
11,600.00	7,134.21	7,113.21	7,113.21	132.93	246.60	-90.22	-2,387.60	-1,827.29	1,700.63	1,379.37	321.26	5.294		
11,700.00	7,134.45	7,113.45	7,113.45	135.68	246.61	-90.23	-2,387.60	-1,827.29	1,786.01	1,466.32	319.70	5.587		
11,800.00	7,134.69	7,113.69	7,113.69	138.43	246.62	-90.25	-2,387.60	-1,827.29	1,872.85	1,554.59	318.26	5.885		
11,900.00	7,134.93	7,113.93	7,113.93	141.18	246.62	-90.26	-2,387.60	-1,827.29	1,960.93	1,644.01	316.93	6.187		
12,000.00	7,135.17	7,114.17	7,114.17	143.94	246.63	-90.28	-2,387.60	-1,827.29	2,050.11	1,734.41	315.70	6.494		
12,100.00	7,135.41	7,114.41	7,114.41	146.70	246.64	-90.29	-2,387.60	-1,827.29	2,140.25	1,825.68	314.57	6.804		
12,200.00	7,135.65	7,114.65	7,114.65	149.46	246.65	-90.31	-2,387.60	-1,827.29	2,231.23	1,917.70	313.52	7.117		
12,300.00	7,135.89	7,114.89	7,114.89	152.23	246.66	-90.32	-2,387.60	-1,827.29	2,322.95	2,010.39	312.56	7.432		
12,400.00	7,136.13	7,115.13	7,115.13	155.00	246.67	-90.34	-2,387.60	-1,827.29	2,415.32	2,103.66	311.67	7.750		
12,500.00	7,136.37	7,115.37	7,115.37	157.78	246.67	-90.35	-2,387.60	-1,827.29	2,508.29	2,197.45	310.84	8.069		
12,600.00	7,136.61	7,115.61	7,115.61	160.55	246.68	-90.37	-2,387.60	-1,827.29	2,601.77	2,291.69	310.07	8.391		
12,700.00	7,136.85	7,115.85	7,115.85	163.33	246.69	-90.38	-2,387.60	-1,827.29	2,695.72	2,386.36	309.36	8.714		
12,800.00	7,137.09	7,116.09	7,116.09	166.12	246.70	-90.40	-2,387.60	-1,827.29	2,790.09	2,481.39	308.71	9.038		
12,900.00	7,137.33	7,116.33	7,116.33	168.90	246.71	-90.41	-2,387.60	-1,827.29	2,884.84	2,576.75	308.09	9.364		
13,000.00	7,137.57	7,116.57	7,116.57	171.69	246.72	-90.43	-2,387.60	-1,827.29	2,979.94	2,672.41	307.52	9.690		
13,100.00	7,137.81	7,116.81	7,116.81	174.48	246.72	-90.45	-2,387.60	-1,827.29	3,075.34	2,768.35	306.99	10.018		
13,200.00	7,138.05	7,117.05	7,117.05	177.27	246.73	-90.46	-2,387.60	-1,827.29	3,171.03	2,864.53	306.50	10.346		
13,300.00	7,138.29	7,117.29	7,117.29	180.07	246.74	-90.48	-2,387.60	-1,827.29	3,266.98	2,960.94	306.04	10.675		
13,400.00	7,138.53	7,117.53	7,117.53	182.86	246.75	-90.49	-2,387.60	-1,827.29	3,363.16	3,057.55	305.61	11.005		
13,500.00	7,138.77	7,117.77	7,117.77	185.66	246.76	-90.51	-2,387.60	-1,827.29	3,459.56	3,154.36	305.20	11.335		
13,600.00	7,139.01	7,118.01	7,118.01	188.46	246.77	-90.52	-2,387.60	-1,827.29	3,556.16	3,251.33	304.83	11.666		
13,700.00	7,139.25	7,118.25	7,118.25	191.26	246.77	-90.54	-2,387.60	-1,827.29	3,652.94	3,348.46	304.47	11.998		
13,800.00	7,139.49	7,118.49	7,118.49	194.06	246.78	-90.55	-2,387.60	-1,827.29	3,749.89	3,445.74	304.15	12.329		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,118.73	7,118.73	196.87	246.79	-90.57	-2,387.60	-1,827.29	3,846.99	3,543.16	303.84	12.661		
14,000.00	7,139.97	7,118.97	7,118.97	199.68	246.80	-90.58	-2,387.60	-1,827.29	3,944.25	3,640.70	303.55	12.994		
14,100.00	7,140.21	7,119.21	7,119.21	202.48	246.81	-90.60	-2,387.60	-1,827.29	4,041.63	3,738.35	303.28	13.327		
14,200.00	7,140.45	7,119.45	7,119.45	205.29	246.82	-90.61	-2,387.60	-1,827.29	4,139.14	3,836.12	303.02	13.660		
14,300.00	7,140.69	7,119.69	7,119.69	208.10	246.83	-90.63	-2,387.60	-1,827.29	4,236.77	3,933.98	302.78	13.993		
14,400.00	7,140.93	7,119.93	7,119.93	210.91	246.83	-90.64	-2,387.60	-1,827.29	4,334.50	4,031.94	302.56	14.326		
14,500.00	7,141.17	7,120.17	7,120.17	213.73	246.84	-90.66	-2,387.60	-1,827.29	4,432.33	4,129.99	302.35	14.660		
14,600.00	7,141.41	7,120.41	7,120.41	216.54	246.85	-90.67	-2,387.60	-1,827.29	4,530.26	4,228.11	302.15	14.993		
14,700.00	7,141.65	7,120.65	7,120.65	219.36	246.86	-90.69	-2,387.60	-1,827.29	4,628.28	4,326.32	301.97	15.327		
14,800.00	7,141.89	7,120.89	7,120.89	222.17	246.87	-90.70	-2,387.60	-1,827.29	4,726.38	4,424.59	301.79	15.661		
14,900.00	7,142.13	7,121.13	7,121.13	224.99	246.88	-90.72	-2,387.60	-1,827.29	4,824.56	4,522.93	301.63	15.995		
15,000.00	7,142.36	7,121.36	7,121.36	227.81	246.88	-90.73	-2,387.60	-1,827.29	4,922.81	4,621.34	301.48	16.329		
15,100.00	7,142.60	7,121.60	7,121.60	230.63	246.89	-90.75	-2,387.60	-1,827.29	5,021.14	4,719.80	301.33	16.663		
15,200.00	7,142.84	7,121.84	7,121.84	233.45	246.90	-90.76	-2,387.60	-1,827.29	5,119.52	4,818.32	301.20	16.997		
15,300.00	7,143.08	7,122.08	7,122.08	236.27	246.91	-90.78	-2,387.60	-1,827.29	5,217.97	4,916.89	301.08	17.331		
15,400.00	7,143.32	7,122.32	7,122.32	239.09	246.92	-90.79	-2,387.60	-1,827.29	5,316.48	5,015.52	300.96	17.665		
15,500.00	7,143.56	7,122.56	7,122.56	241.91	246.93	-90.81	-2,387.60	-1,827.29	5,415.04	5,114.19	300.85	17.999		
15,600.00	7,143.80	7,122.80	7,122.80	244.73	246.93	-90.82	-2,387.60	-1,827.29	5,513.65	5,212.90	300.75	18.333		
15,700.00	7,144.04	7,123.04	7,123.04	247.56	246.94	-90.84	-2,387.60	-1,827.29	5,612.31	5,311.66	300.65	18.667		
15,800.00	7,144.28	7,123.28	7,123.28	250.38	246.95	-90.85	-2,387.60	-1,827.29	5,711.02	5,410.45	300.57	19.001		
15,900.00	7,144.52	7,123.52	7,123.52	253.21	246.96	-90.87	-2,387.60	-1,827.29	5,809.77	5,509.28	300.49	19.335		
16,000.00	7,144.76	7,123.76	7,123.76	256.03	246.97	-90.88	-2,387.60	-1,827.29	5,908.56	5,608.15	300.41	19.668		
16,100.00	7,145.00	7,124.00	7,124.00	258.86	246.98	-90.90	-2,387.60	-1,827.29	6,007.40	5,707.06	300.34	20.002		
16,200.00	7,145.24	7,124.24	7,124.24	261.69	246.98	-90.91	-2,387.60	-1,827.29	6,106.27	5,805.99	300.28	20.336		
16,300.00	7,145.48	7,124.48	7,124.48	264.52	246.99	-90.93	-2,387.60	-1,827.29	6,205.18	5,904.96	300.22	20.669		
16,400.00	7,145.72	7,124.72	7,124.72	267.35	247.00	-90.94	-2,387.60	-1,827.29	6,304.12	6,003.96	300.16	21.002		
16,500.00	7,145.96	7,124.96	7,124.96	270.18	247.01	-90.96	-2,387.60	-1,827.29	6,403.10	6,102.98	300.12	21.335		
16,600.00	7,146.20	7,125.20	7,125.20	273.01	247.02	-90.98	-2,387.60	-1,827.29	6,502.10	6,202.03	300.07	21.669		
16,700.00	7,146.44	7,125.44	7,125.44	275.84	247.03	-90.99	-2,387.60	-1,827.29	6,601.14	6,301.11	300.03	22.001		
16,800.00	7,146.68	7,125.68	7,125.68	278.67	247.03	-91.01	-2,387.60	-1,827.29	6,700.20	6,400.21	300.00	22.334		
16,900.00	7,146.92	7,125.92	7,125.92	281.50	247.04	-91.02	-2,387.60	-1,827.29	6,799.30	6,499.33	299.97	22.667		
17,000.00	7,147.16	7,126.16	7,126.16	284.33	247.05	-91.04	-2,387.60	-1,827.29	6,898.42	6,598.48	299.94	22.999		
17,100.00	7,147.40	7,126.40	7,126.40	287.16	247.06	-91.05	-2,387.60	-1,827.29	6,997.56	6,697.64	299.91	23.332		
17,200.00	7,147.64	7,126.64	7,126.64	290.00	247.07	-91.07	-2,387.60	-1,827.29	7,096.73	6,796.83	299.90	23.664		
17,300.00	7,147.88	7,126.88	7,126.88	292.83	247.08	-91.08	-2,387.60	-1,827.29	7,195.92	6,896.04	299.88	23.996		
17,400.00	7,148.12	7,127.12	7,127.12	295.66	247.08	-91.10	-2,387.60	-1,827.29	7,295.13	6,995.26	299.87	24.328		
17,500.00	7,148.36	7,127.36	7,127.36	298.50	247.09	-91.11	-2,387.60	-1,827.29	7,394.37	7,094.51	299.86	24.660		
17,600.00	7,148.60	7,127.60	7,127.60	301.33	247.10	-91.13	-2,387.60	-1,827.29	7,493.62	7,193.77	299.85	24.991		
17,700.00	7,148.84	7,127.84	7,127.84	304.17	247.11	-91.14	-2,387.60	-1,827.29	7,592.89	7,293.05	299.85	25.322		
17,800.00	7,149.08	7,128.08	7,128.08	307.00	247.12	-91.16	-2,387.60	-1,827.29	7,692.19	7,392.34	299.85	25.654		
17,900.00	7,149.32	7,128.32	7,128.32	309.84	247.13	-91.17	-2,387.60	-1,827.29	7,791.50	7,491.65	299.85	25.985		
18,000.00	7,149.56	7,128.56	7,128.56	312.68	247.13	-91.19	-2,387.60	-1,827.29	7,890.83	7,590.97	299.86	26.315		
18,100.00	7,149.80	7,128.80	7,128.80	315.51	247.14	-91.20	-2,387.60	-1,827.29	7,990.17	7,690.31	299.87	26.646		
18,200.00	7,150.04	7,129.04	7,129.04	318.35	247.15	-91.22	-2,387.60	-1,827.29	8,089.53	7,789.66	299.88	26.976		
18,300.00	7,150.28	7,129.28	7,129.28	321.19	247.16	-91.23	-2,387.60	-1,827.29	8,188.91	7,889.02	299.89	27.306		
18,400.00	7,150.52	7,129.52	7,129.52	324.03	247.17	-91.25	-2,387.60	-1,827.29	8,288.30	7,988.40	299.91	27.636		
18,500.00	7,150.76	7,129.76	7,129.76	326.86	247.18	-91.26	-2,387.60	-1,827.29	8,387.71	8,087.78	299.92	27.966		
18,600.00	7,151.00	7,130.00	7,130.00	329.70	247.18	-91.28	-2,387.60	-1,827.29	8,487.13	8,187.18	299.95	28.296		
18,700.00	7,151.24	7,130.24	7,130.24	332.54	247.19	-91.29	-2,387.60	-1,827.29	8,586.56	8,286.59	299.97	28.625		
18,800.00	7,151.48	7,130.48	7,130.48	335.38	247.20	-91.31	-2,387.60	-1,827.29	8,686.01	8,386.01	299.99	28.954		
18,900.00	7,151.72	7,130.72	7,130.72	338.22	247.21	-91.32	-2,387.60	-1,827.29	8,785.47	8,485.45	300.02	29.283		
19,000.00	7,151.96	7,130.96	7,130.96	341.06	247.22	-91.34	-2,387.60	-1,827.29	8,884.94	8,584.89	300.05	29.611		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
19,018.30	7,152.00	7,131.00	7,131.00	341.58	247.22	-91.34	-2,387.60	-1,827.29	8,903.14	8,603.08	300.06	29.671	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	17.00	17.00	3.28	3.29	-86.35	441.04	-6,911.74	6,925.80					
100.00	100.00	117.00	117.00	3.28	4.03	-86.35	441.04	-6,911.74	6,925.80	6,918.48	7.31	947.022		
200.00	200.00	217.00	217.00	3.34	6.69	-86.35	441.04	-6,911.74	6,925.80	6,915.77	10.03	690.760		
300.00	299.98	316.98	316.98	3.44	9.88	136.39	441.04	-6,911.74	6,927.06	6,913.74	13.32	520.010		
400.00	399.84	416.84	416.84	3.59	13.22	136.37	441.04	-6,911.74	6,930.85	6,914.04	16.81	412.249		
500.00	499.45	516.45	516.45	3.80	16.61	136.33	441.04	-6,911.74	6,937.17	6,916.77	20.40	339.987		
600.00	598.70	615.70	615.70	4.04	20.02	136.28	441.04	-6,911.74	6,946.01	6,921.96	24.06	288.734		
700.00	697.47	714.47	714.47	4.32	23.43	136.21	441.04	-6,911.74	6,957.38	6,929.63	27.75	250.731		
800.00	795.62	812.62	812.62	4.65	26.82	136.12	441.04	-6,911.74	6,971.27	6,939.80	31.46	221.558		
900.00	893.06	910.06	910.06	5.01	30.20	136.02	441.04	-6,911.74	6,987.67	6,952.47	35.20	198.540		
1,000.00	989.64	1,006.64	1,006.64	5.42	33.56	135.90	441.04	-6,911.74	7,006.58	6,967.65	38.93	179.969		
1,044.50	1,032.32	1,049.32	1,049.32	5.61	35.04	135.84	441.04	-6,911.74	7,015.81	6,975.21	40.60	172.817		
1,100.00	1,085.43	1,102.43	1,102.43	5.86	36.89	135.93	441.04	-6,911.74	7,027.63	6,984.96	42.67	164.692		
1,200.00	1,181.11	1,201.89	1,198.11	6.33	40.35	136.09	441.04	-6,911.74	7,048.97	7,002.41	46.56	151.409		
1,300.00	1,276.80	1,306.20	1,293.80	6.81	43.98	136.25	441.04	-6,911.74	7,070.36	7,019.73	50.63	139.653		
1,400.00	1,372.49	1,389.49	1,389.49	7.31	46.88	136.41	441.04	-6,911.74	7,091.81	7,037.83	53.98	131.372		
1,500.00	1,468.17	1,485.17	1,485.17	7.83	50.21	136.56	441.04	-6,911.74	7,113.32	7,055.54	57.78	123.108		
1,600.00	1,563.86	1,580.86	1,580.86	8.35	53.54	136.72	441.04	-6,911.74	7,134.87	7,073.28	61.59	115.847		
1,700.00	1,659.55	1,676.55	1,676.55	8.88	56.88	136.88	441.04	-6,911.74	7,156.48	7,091.08	65.40	109.418		
1,800.00	1,755.23	1,772.23	1,772.23	9.42	60.21	137.03	441.04	-6,911.74	7,178.15	7,108.92	69.23	103.689		
1,900.00	1,850.92	1,867.92	1,867.92	9.97	63.55	137.19	441.04	-6,911.74	7,199.86	7,126.81	73.06	98.553		
2,000.00	1,946.61	1,963.61	1,963.61	10.52	66.88	137.34	441.04	-6,911.74	7,221.63	7,144.74	76.89	93.924		
2,100.00	2,042.29	2,059.29	2,059.29	11.07	70.22	137.49	441.04	-6,911.74	7,243.45	7,162.72	80.72	89.730		
2,200.00	2,137.98	2,154.98	2,154.98	11.63	73.56	137.64	441.04	-6,911.74	7,265.31	7,180.75	84.56	85.915		
2,300.00	2,233.67	2,250.67	2,250.67	12.19	76.90	137.80	441.04	-6,911.74	7,287.23	7,198.83	88.41	82.428		
2,400.00	2,329.35	2,346.35	2,346.35	12.76	80.23	137.95	441.04	-6,911.74	7,309.20	7,216.95	92.25	79.231		
2,500.00	2,425.04	2,442.04	2,442.04	13.32	83.57	138.10	441.04	-6,911.74	7,331.22	7,235.12	96.10	76.289		
2,600.00	2,520.72	2,537.72	2,537.72	13.89	86.91	138.24	441.04	-6,911.74	7,353.29	7,253.34	99.95	73.572		
2,700.00	2,616.41	2,633.41	2,633.41	14.46	90.25	138.39	441.04	-6,911.74	7,375.40	7,271.60	103.80	71.056		
2,800.00	2,712.10	2,729.10	2,729.10	15.03	93.58	138.54	441.04	-6,911.74	7,397.56	7,289.92	107.65	68.720		
2,900.00	2,807.78	2,824.78	2,824.78	15.60	96.92	138.68	441.04	-6,911.74	7,419.77	7,308.27	111.50	66.545		
3,000.00	2,903.47	2,920.47	2,920.47	16.18	100.26	138.83	441.04	-6,911.74	7,442.03	7,326.68	115.35	64.515		
3,100.00	2,999.16	3,016.16	3,016.16	16.75	103.60	138.97	441.04	-6,911.74	7,464.34	7,345.13	119.21	62.616		
3,200.00	3,094.84	3,111.84	3,111.84	17.33	106.94	139.12	441.04	-6,911.74	7,486.69	7,363.62	123.06	60.836		
3,300.00	3,190.53	3,207.53	3,207.53	17.90	110.28	139.26	441.04	-6,911.74	7,509.08	7,382.17	126.92	59.165		
3,400.00	3,286.22	3,303.22	3,303.22	18.48	113.62	139.40	441.04	-6,911.74	7,531.53	7,400.75	130.77	57.592		
3,500.00	3,381.90	3,401.10	3,398.90	19.06	117.03	139.54	441.04	-6,911.74	7,554.01	7,419.31	134.71	56.077		
3,600.00	3,477.59	3,505.41	3,494.59	19.64	120.67	139.68	441.04	-6,911.74	7,576.54	7,437.68	138.86	54.561		
3,700.00	3,573.28	3,609.72	3,590.28	20.22	124.31	139.82	441.04	-6,911.74	7,599.12	7,456.10	143.02	53.133		
3,800.00	3,668.96	3,685.96	3,685.96	20.80	126.97	139.96	441.04	-6,911.74	7,621.74	7,475.54	146.20	52.132		
3,900.00	3,764.65	3,781.65	3,781.65	21.38	130.31	140.10	441.04	-6,911.74	7,644.40	7,494.35	150.06	50.943		
4,000.00	3,860.33	3,877.33	3,877.33	21.96	133.65	140.23	441.04	-6,911.74	7,667.11	7,513.20	153.91	49.814		
4,100.00	3,956.02	3,973.02	3,973.02	22.54	136.99	140.37	441.04	-6,911.74	7,689.86	7,532.09	157.77	48.740		
4,200.00	4,051.71	4,068.71	4,068.71	23.13	140.33	140.50	441.04	-6,911.74	7,712.65	7,551.02	161.63	47.718		
4,300.00	4,147.39	4,164.39	4,164.39	23.71	143.67	140.64	441.04	-6,911.74	7,735.48	7,570.00	165.49	46.744		
4,400.00	4,243.08	4,260.08	4,260.08	24.29	147.01	140.77	441.04	-6,911.74	7,758.36	7,589.02	169.34	45.814		
4,500.00	4,338.77	4,355.77	4,355.77	24.88	150.35	140.91	441.04	-6,911.74	7,781.28	7,608.08	173.20	44.926		
4,600.00	4,434.45	4,451.45	4,451.45	25.46	153.69	141.04	441.04	-6,911.74	7,804.23	7,627.18	177.06	44.077		
4,700.00	4,530.14	4,547.14	4,547.14	26.04	157.03	141.17	441.04	-6,911.74	7,827.23	7,646.32	180.92	43.265		
4,800.00	4,625.83	4,642.83	4,642.83	26.63	160.37	141.30	441.04	-6,911.74	7,850.27	7,665.50	184.77	42.486		
4,900.00	4,721.51	4,738.51	4,738.51	27.21	163.71	141.43	441.04	-6,911.74	7,873.35	7,684.72	188.63	41.740		
5,000.00	4,817.20	4,834.20	4,834.20	27.80	167.05	141.56	441.04	-6,911.74	7,896.46	7,703.98	192.49	41.024		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,929.89	4,929.89	28.38	170.39	141.69	441.04	-6,911.74	7,919.62	7,723.28	196.34	40.336		
5,200.00	5,008.57	5,025.57	5,025.57	28.97	173.73	141.82	441.04	-6,911.74	7,942.82	7,742.62	200.20	39.675		
5,300.00	5,104.26	5,121.26	5,121.26	29.55	177.07	141.94	441.04	-6,911.74	7,966.05	7,761.99	204.06	39.039		
5,400.00	5,199.94	5,216.94	5,216.94	30.14	180.41	142.07	441.04	-6,911.74	7,989.32	7,781.41	207.91	38.426		
5,500.00	5,295.63	5,312.63	5,312.63	30.72	183.75	142.19	441.04	-6,911.74	8,012.63	7,800.86	211.77	37.837		
5,600.00	5,391.32	5,408.32	5,408.32	31.31	187.09	142.32	441.04	-6,911.74	8,035.98	7,820.35	215.62	37.268		
5,700.00	5,487.00	5,504.00	5,504.00	31.90	190.43	142.44	441.04	-6,911.74	8,059.36	7,839.88	219.48	36.720		
5,800.00	5,582.69	5,600.31	5,599.69	32.48	193.79	142.57	441.04	-6,911.74	8,082.78	7,859.42	223.36	36.188		
5,900.00	5,678.38	5,704.62	5,695.38	33.07	197.43	142.69	441.04	-6,911.74	8,106.24	7,878.72	227.51	35.630		
6,000.00	5,774.06	5,808.94	5,791.06	33.65	201.07	142.81	441.04	-6,911.74	8,129.73	7,898.06	231.67	35.092		
6,100.00	5,869.75	5,886.75	5,886.75	34.24	203.79	142.93	441.04	-6,911.74	8,153.26	7,918.36	234.90	34.709		
6,200.00	5,965.44	5,982.44	5,982.44	34.83	207.13	143.05	441.04	-6,911.74	8,176.82	7,938.07	238.76	34.248		
6,300.00	6,061.12	6,078.12	6,078.12	35.41	210.47	143.17	441.04	-6,911.74	8,200.42	7,957.81	242.61	33.801		
6,400.00	6,156.81	6,173.81	6,173.81	36.00	213.81	143.29	441.04	-6,911.74	8,224.06	7,977.59	246.46	33.368		
6,500.00	6,252.50	6,269.50	6,269.50	36.59	217.15	143.41	441.04	-6,911.74	8,247.73	7,997.41	250.32	32.949		
6,600.00	6,348.18	6,365.18	6,365.18	37.18	220.49	143.53	441.04	-6,911.74	8,271.43	8,017.26	254.17	32.543		
6,636.04	6,382.67	6,400.33	6,399.67	37.39	221.71	143.57	441.04	-6,911.74	8,279.98	8,024.40	255.59	32.396		
6,650.00	6,396.05	6,413.05	6,413.05	37.47	222.16	140.24	441.04	-6,911.74	8,283.15	8,027.05	256.10	32.343		
6,700.00	6,444.38	6,461.38	6,461.38	37.74	223.85	125.54	441.04	-6,911.74	8,292.10	8,034.07	258.03	32.136		
6,750.00	6,493.07	6,510.07	6,510.07	37.98	225.55	106.86	441.04	-6,911.74	8,297.27	8,037.30	259.97	31.917		
6,800.00	6,541.82	6,558.82	6,558.82	38.18	227.25	87.29	441.04	-6,911.74	8,298.63	8,036.75	261.88	31.689		
6,850.00	6,590.35	6,607.35	6,607.35	38.35	228.94	70.85	441.04	-6,911.74	8,296.17	8,032.41	263.75	31.454		
6,900.00	6,638.34	6,655.34	6,655.34	38.50	230.62	58.91	441.04	-6,911.74	8,289.91	8,024.33	265.58	31.214		
6,950.00	6,685.50	6,702.50	6,702.50	38.64	232.26	50.68	441.04	-6,911.74	8,279.89	8,012.55	267.35	30.970		
7,000.00	6,731.54	6,748.54	6,748.54	38.77	233.87	45.03	441.04	-6,911.74	8,266.19	7,997.14	269.05	30.723		
7,050.00	6,776.18	6,806.82	6,793.18	38.90	235.90	41.15	441.04	-6,911.74	8,248.88	7,977.72	271.16	30.421		
7,100.00	6,819.14	6,836.14	6,836.14	39.03	236.93	38.51	441.04	-6,911.74	8,228.08	7,955.85	272.23	30.225		
7,150.00	6,860.16	6,877.16	6,877.16	39.16	238.36	36.78	441.04	-6,911.74	8,203.91	7,930.22	273.69	29.975		
7,200.00	6,898.98	6,915.98	6,915.98	39.31	239.71	35.76	441.04	-6,911.74	8,176.53	7,901.47	275.05	29.727		
7,250.00	6,935.36	6,952.36	6,952.36	39.47	240.98	35.36	441.04	-6,911.74	8,146.10	7,869.79	276.32	29.481		
7,300.00	6,969.08	6,986.08	6,986.08	39.65	242.16	35.52	441.04	-6,911.74	8,112.83	7,835.35	277.48	29.238		
7,350.00	6,999.94	7,016.94	7,016.94	39.85	243.24	36.24	441.04	-6,911.74	8,076.90	7,798.37	278.53	28.998		
7,400.00	7,027.74	7,044.74	7,044.74	40.08	244.21	37.58	441.04	-6,911.74	8,038.55	7,759.08	279.47	28.764		
7,450.00	7,052.31	7,069.31	7,069.31	40.34	245.07	39.64	441.04	-6,911.74	7,998.01	7,717.71	280.29	28.534		
7,500.00	7,073.49	7,109.51	7,090.49	40.63	246.47	42.61	441.04	-6,911.74	7,955.52	7,673.86	281.66	28.245		
7,550.00	7,091.17	7,108.17	7,108.17	40.95	246.42	46.77	441.04	-6,911.74	7,911.36	7,629.77	281.59	28.095		
7,600.00	7,105.22	7,122.22	7,122.22	41.31	246.91	52.58	441.04	-6,911.74	7,865.78	7,583.72	282.06	27.887		
7,650.00	7,115.57	7,132.57	7,132.57	41.71	247.27	60.67	441.04	-6,911.74	7,819.07	7,536.67	282.41	27.687		
7,700.00	7,122.15	7,139.15	7,139.15	42.15	247.50	71.80	441.04	-6,911.74	7,771.52	7,488.89	282.63	27.497		
7,750.00	7,124.91	7,141.91	7,141.91	42.62	247.60	86.36	441.04	-6,911.74	7,723.41	7,440.67	282.74	27.316		
7,759.54	7,125.00	7,142.00	7,142.00	42.72	247.60	89.48	441.04	-6,911.74	7,714.19	7,431.44	282.75	27.283		
7,800.00	7,125.10	7,142.10	7,142.10	43.13	247.61	89.48	441.04	-6,911.74	7,675.08	7,392.31	282.77	27.143		
7,900.00	7,125.34	7,142.34	7,142.34	44.28	247.62	89.49	441.04	-6,911.74	7,578.48	7,295.65	282.83	26.795		
8,000.00	7,125.58	7,142.58	7,142.58	45.61	247.62	89.50	441.04	-6,911.74	7,481.98	7,199.05	282.92	26.446		
8,100.00	7,125.82	7,142.82	7,142.82	47.10	247.63	89.50	441.04	-6,911.74	7,385.56	7,102.53	283.03	26.095		
8,200.00	7,126.06	7,143.06	7,143.06	48.72	247.64	89.51	441.04	-6,911.74	7,289.24	7,006.08	283.16	25.742		
8,300.00	7,126.30	7,143.30	7,143.30	50.48	247.65	89.52	441.04	-6,911.74	7,193.02	6,909.70	283.32	25.388		
8,400.00	7,126.54	7,143.54	7,143.54	52.34	247.66	89.53	441.04	-6,911.74	7,096.91	6,813.40	283.51	25.032		
8,500.00	7,126.78	7,143.78	7,143.78	54.30	247.67	89.53	441.04	-6,911.74	7,000.90	6,717.18	283.73	24.675		
8,600.00	7,127.02	7,144.02	7,144.02	56.35	247.67	89.54	441.04	-6,911.74	6,905.01	6,621.04	283.98	24.315		
8,700.00	7,127.26	7,144.26	7,144.26	58.47	247.68	89.55	441.04	-6,911.74	6,809.24	6,524.98	284.26	23.954		
8,800.00	7,127.50	7,144.50	7,144.50	60.66	247.69	89.55	441.04	-6,911.74	6,713.59	6,429.02	284.57	23.592		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,144.74	7,144.74	62.90	247.70	89.56	441.04	-6,911.74	6,618.07	6,333.14	284.92	23.227		
9,000.00	7,127.98	7,144.98	7,144.98	65.19	247.71	89.57	441.04	-6,911.74	6,522.68	6,237.36	285.32	22.861		
9,100.00	7,128.22	7,145.22	7,145.22	67.53	247.72	89.57	441.04	-6,911.74	6,427.43	6,141.69	285.75	22.494		
9,200.00	7,128.46	7,145.46	7,145.46	69.92	247.72	89.58	441.04	-6,911.74	6,332.33	6,046.11	286.22	22.124		
9,300.00	7,128.70	7,145.70	7,145.70	72.33	247.73	89.59	441.04	-6,911.74	6,237.38	5,950.65	286.74	21.753		
9,400.00	7,128.94	7,145.94	7,145.94	74.78	247.74	89.59	441.04	-6,911.74	6,142.60	5,855.30	287.30	21.380		
9,500.00	7,129.18	7,146.18	7,146.18	77.26	247.75	89.60	441.04	-6,911.74	6,047.98	5,760.06	287.91	21.006		
9,600.00	7,129.42	7,146.42	7,146.42	79.76	247.76	89.61	441.04	-6,911.74	5,953.53	5,664.96	288.58	20.631		
9,700.00	7,129.66	7,146.66	7,146.66	82.29	247.77	89.62	441.04	-6,911.74	5,859.28	5,569.98	289.29	20.254		
9,800.00	7,129.90	7,146.90	7,146.90	84.84	247.77	89.62	441.04	-6,911.74	5,765.21	5,475.14	290.07	19.875		
9,900.00	7,130.14	7,147.14	7,147.14	87.41	247.78	89.63	441.04	-6,911.74	5,671.35	5,380.45	290.90	19.496		
10,000.00	7,130.38	7,147.38	7,147.38	90.00	247.79	89.64	441.04	-6,911.74	5,577.70	5,285.91	291.79	19.116		
10,100.00	7,130.62	7,147.62	7,147.62	92.60	247.80	89.64	441.04	-6,911.74	5,484.27	5,191.54	292.74	18.734		
10,200.00	7,130.86	7,147.86	7,147.86	95.22	247.81	89.65	441.04	-6,911.74	5,391.09	5,097.33	293.76	18.352		
10,300.00	7,131.09	7,148.09	7,148.09	97.85	247.82	89.66	441.04	-6,911.74	5,298.14	5,003.30	294.84	17.969		
10,400.00	7,131.33	7,148.33	7,148.33	100.50	247.83	89.66	441.04	-6,911.74	5,205.47	4,909.47	296.00	17.586		
10,500.00	7,131.57	7,148.57	7,148.57	103.16	247.83	89.67	441.04	-6,911.74	5,113.06	4,815.84	297.23	17.203		
10,600.00	7,131.81	7,148.81	7,148.81	105.82	247.84	89.68	441.04	-6,911.74	5,020.95	4,722.42	298.53	16.819		
10,700.00	7,132.05	7,149.05	7,149.05	108.50	247.85	89.69	441.04	-6,911.74	4,929.15	4,629.23	299.92	16.435		
10,800.00	7,132.29	7,149.29	7,149.29	111.19	247.86	89.69	441.04	-6,911.74	4,837.67	4,536.28	301.38	16.052		
10,900.00	7,132.53	7,149.53	7,149.53	113.88	247.87	89.70	441.04	-6,911.74	4,746.53	4,443.60	302.94	15.668		
11,000.00	7,132.77	7,149.77	7,149.77	116.58	247.88	89.71	441.04	-6,911.74	4,655.76	4,351.18	304.58	15.286		
11,100.00	7,133.01	7,150.01	7,150.01	119.29	247.88	89.71	441.04	-6,911.74	4,565.37	4,259.06	306.31	14.904		
11,200.00	7,133.25	7,150.25	7,150.25	122.01	247.89	89.72	441.04	-6,911.74	4,475.40	4,167.25	308.14	14.524		
11,300.00	7,133.49	7,150.49	7,150.49	124.73	247.90	89.73	441.04	-6,911.74	4,385.85	4,075.78	310.07	14.145		
11,400.00	7,133.73	7,150.73	7,150.73	127.46	247.91	89.73	441.04	-6,911.74	4,296.77	3,984.66	312.11	13.767		
11,500.00	7,133.97	7,150.97	7,150.97	130.19	247.92	89.74	441.04	-6,911.74	4,208.18	3,893.92	314.25	13.391		
11,600.00	7,134.21	7,151.21	7,151.21	132.93	247.93	89.75	441.04	-6,911.74	4,120.11	3,803.60	316.51	13.017		
11,700.00	7,134.45	7,151.45	7,151.45	135.68	247.93	89.76	441.04	-6,911.74	4,032.60	3,713.71	318.89	12.646		
11,800.00	7,134.69	7,151.69	7,151.69	138.43	247.94	89.76	441.04	-6,911.74	3,945.68	3,624.28	321.39	12.277		
11,900.00	7,134.93	7,151.93	7,151.93	141.18	247.95	89.77	441.04	-6,911.74	3,859.39	3,535.37	324.02	11.911		
12,000.00	7,135.17	7,152.17	7,152.17	143.94	247.96	89.78	441.04	-6,911.74	3,773.78	3,446.99	326.79	11.548		
12,100.00	7,135.41	7,152.41	7,152.41	146.70	247.97	89.78	441.04	-6,911.74	3,688.90	3,359.20	329.70	11.189		
12,200.00	7,135.65	7,152.65	7,152.65	149.46	247.98	89.79	441.04	-6,911.74	3,604.79	3,272.04	332.75	10.833		
12,300.00	7,135.89	7,152.89	7,152.89	152.23	247.98	89.80	441.04	-6,911.74	3,521.51	3,185.56	335.95	10.482		
12,400.00	7,136.13	7,153.13	7,153.13	155.00	247.99	89.80	441.04	-6,911.74	3,439.13	3,099.81	339.31	10.136		
12,500.00	7,136.37	7,153.37	7,153.37	157.78	248.00	89.81	441.04	-6,911.74	3,357.70	3,014.86	342.84	9.794		
12,600.00	7,136.61	7,153.61	7,153.61	160.55	248.01	89.82	441.04	-6,911.74	3,277.29	2,930.76	346.53	9.457		
12,700.00	7,136.85	7,153.85	7,153.85	163.33	248.02	89.82	441.04	-6,911.74	3,198.00	2,847.59	350.41	9.127		
12,800.00	7,137.09	7,154.09	7,154.09	166.12	248.03	89.83	441.04	-6,911.74	3,119.89	2,765.43	354.46	8.802		
12,900.00	7,137.33	7,154.33	7,154.33	168.90	248.03	89.84	441.04	-6,911.74	3,043.07	2,684.37	358.70	8.484		
13,000.00	7,137.57	7,154.57	7,154.57	171.69	248.04	89.85	441.04	-6,911.74	2,967.62	2,604.50	363.13	8.172		
13,100.00	7,137.81	7,154.81	7,154.81	174.48	248.05	89.85	441.04	-6,911.74	2,893.67	2,525.92	367.75	7.869		
13,200.00	7,138.05	7,155.05	7,155.05	177.27	248.06	89.86	441.04	-6,911.74	2,821.32	2,448.76	372.57	7.573		
13,300.00	7,138.29	7,155.29	7,155.29	180.07	248.07	89.87	441.04	-6,911.74	2,750.71	2,373.13	377.58	7.285		
13,400.00	7,138.53	7,155.53	7,155.53	182.86	248.08	89.87	441.04	-6,911.74	2,681.96	2,299.18	382.78	7.006		
13,500.00	7,138.77	7,155.77	7,155.77	185.66	248.08	89.88	441.04	-6,911.74	2,615.24	2,227.06	388.18	6.737		
13,600.00	7,139.01	7,156.01	7,156.01	188.46	248.09	89.89	441.04	-6,911.74	2,550.69	2,156.93	393.75	6.478		
13,700.00	7,139.25	7,156.25	7,156.25	191.26	248.10	89.89	441.04	-6,911.74	2,488.48	2,088.99	399.49	6.229		
13,800.00	7,139.49	7,156.49	7,156.49	194.06	248.11	89.90	441.04	-6,911.74	2,428.80	2,023.41	405.39	5.991		
13,900.00	7,139.73	7,156.73	7,156.73	196.87	248.12	89.91	441.04	-6,911.74	2,371.83	1,960.42	411.41	5.765		
14,000.00	7,139.97	7,156.97	7,156.97	199.68	248.13	89.92	441.04	-6,911.74	2,317.79	1,900.24	417.54	5.551		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	7,157.21	7,157.21	202.48	248.13	89.92	441.04	-6,911.74	2,266.86	1,843.12	423.75	5.350		
14,200.00	7,140.45	7,157.45	7,157.45	205.29	248.14	89.93	441.04	-6,911.74	2,219.28	1,789.30	429.98	5.161		
14,300.00	7,140.69	7,157.69	7,157.69	208.10	248.15	89.94	441.04	-6,911.74	2,175.25	1,739.06	436.20	4.987		
14,400.00	7,140.93	7,157.93	7,157.93	210.91	248.16	89.94	441.04	-6,911.74	2,135.01	1,692.66	442.35	4.827		
14,500.00	7,141.17	7,158.17	7,158.17	213.73	248.17	89.95	441.04	-6,911.74	2,098.76	1,650.39	448.37	4.681		
14,600.00	7,141.41	7,158.41	7,158.41	216.54	248.18	89.96	441.04	-6,911.74	2,066.72	1,612.51	454.20	4.550		
14,700.00	7,141.65	7,158.65	7,158.65	219.36	248.18	89.96	441.04	-6,911.74	2,039.08	1,579.30	459.78	4.435		
14,800.00	7,141.89	7,158.89	7,158.89	222.17	248.19	89.97	441.04	-6,911.74	2,016.03	1,550.99	465.04	4.335		
14,900.00	7,142.13	7,159.13	7,159.13	224.99	248.20	89.98	441.04	-6,911.74	1,997.73	1,527.82	469.91	4.251		
15,000.00	7,142.36	7,159.36	7,159.36	227.81	248.21	89.98	441.04	-6,911.74	1,984.30	1,509.97	474.33	4.183		
15,100.00	7,142.60	7,159.60	7,159.60	230.63	248.22	89.99	441.04	-6,911.74	1,975.85	1,497.60	478.25	4.131		
15,200.00	7,142.84	7,159.84	7,159.84	233.45	248.23	90.00	441.04	-6,911.74	1,972.44	1,490.82	481.62	4.095		
15,217.34	7,142.89	7,159.89	7,159.89	233.93	248.23	90.00	441.04	-6,911.74	1,972.36	1,490.22	482.14	4.091 CC		
15,300.00	7,143.08	7,160.08	7,160.08	236.27	248.24	90.01	441.04	-6,911.74	1,974.09	1,489.69	484.41	4.075 ES		
15,400.00	7,143.32	7,160.32	7,160.32	239.09	248.24	90.01	441.04	-6,911.74	1,980.80	1,494.20	486.60	4.071 SF		
15,500.00	7,143.56	7,160.56	7,160.56	241.91	248.25	90.02	441.04	-6,911.74	1,992.51	1,504.33	488.19	4.081		
15,600.00	7,143.80	7,160.80	7,160.80	244.73	248.26	90.03	441.04	-6,911.74	2,009.14	1,519.96	489.18	4.107		
15,700.00	7,144.04	7,161.04	7,161.04	247.56	248.27	90.03	441.04	-6,911.74	2,030.56	1,540.95	489.60	4.147		
15,800.00	7,144.28	7,161.28	7,161.28	250.38	248.28	90.04	441.04	-6,911.74	2,056.62	1,567.14	489.49	4.202		
15,900.00	7,144.52	7,161.52	7,161.52	253.21	248.29	90.05	441.04	-6,911.74	2,087.16	1,598.29	488.87	4.269		
16,000.00	7,144.76	7,161.76	7,161.76	256.03	248.29	90.05	441.04	-6,911.74	2,121.97	1,634.17	487.80	4.350		
16,100.00	7,145.00	7,162.00	7,162.00	258.86	248.30	90.06	441.04	-6,911.74	2,160.85	1,674.53	486.32	4.443		
16,200.00	7,145.24	7,162.24	7,162.24	261.69	248.31	90.07	441.04	-6,911.74	2,203.59	1,719.09	484.50	4.548		
16,300.00	7,145.48	7,162.48	7,162.48	264.52	248.32	90.08	441.04	-6,911.74	2,249.97	1,767.59	482.38	4.664		
16,400.00	7,145.72	7,162.72	7,162.72	267.35	248.33	90.08	441.04	-6,911.74	2,299.76	1,819.74	480.01	4.791		
16,500.00	7,145.96	7,162.96	7,162.96	270.18	248.34	90.09	441.04	-6,911.74	2,352.75	1,875.30	477.45	4.928		
16,600.00	7,146.20	7,163.20	7,163.20	273.01	248.34	90.10	441.04	-6,911.74	2,408.72	1,934.00	474.72	5.074		
16,700.00	7,146.44	7,163.44	7,163.44	275.84	248.35	90.10	441.04	-6,911.74	2,467.48	1,995.61	471.88	5.229		
16,800.00	7,146.68	7,163.68	7,163.68	278.67	248.36	90.11	441.04	-6,911.74	2,528.83	2,059.89	468.95	5.393		
16,900.00	7,146.92	7,163.92	7,163.92	281.50	248.37	90.12	441.04	-6,911.74	2,592.59	2,126.63	465.96	5.564		
17,000.00	7,147.16	7,164.16	7,164.16	284.33	248.38	90.12	441.04	-6,911.74	2,658.58	2,195.63	462.95	5.743		
17,100.00	7,147.40	7,164.40	7,164.40	287.16	248.39	90.13	441.04	-6,911.74	2,726.64	2,266.71	459.94	5.928		
17,200.00	7,147.64	7,164.64	7,164.64	290.00	248.39	90.14	441.04	-6,911.74	2,796.63	2,339.70	456.93	6.120		
17,300.00	7,147.88	7,164.88	7,164.88	292.83	248.40	90.15	441.04	-6,911.74	2,868.39	2,414.44	453.95	6.319		
17,400.00	7,148.12	7,165.12	7,165.12	295.66	248.41	90.15	441.04	-6,911.74	2,941.80	2,490.79	451.01	6.523		
17,500.00	7,148.36	7,165.36	7,165.36	298.50	248.42	90.16	441.04	-6,911.74	3,016.74	2,568.61	448.12	6.732		
17,600.00	7,148.60	7,165.60	7,165.60	301.33	248.43	90.17	441.04	-6,911.74	3,093.09	2,647.80	445.29	6.946		
17,700.00	7,148.84	7,165.84	7,165.84	304.17	248.44	90.17	441.04	-6,911.74	3,170.77	2,728.25	442.52	7.165		
17,800.00	7,149.08	7,166.08	7,166.08	307.00	248.44	90.18	441.04	-6,911.74	3,249.66	2,809.84	439.82	7.389		
17,900.00	7,149.32	7,166.32	7,166.32	309.84	248.45	90.19	441.04	-6,911.74	3,329.69	2,892.50	437.19	7.616		
18,000.00	7,149.56	7,166.56	7,166.56	312.68	248.46	90.19	441.04	-6,911.74	3,410.77	2,976.14	434.63	7.848		
18,100.00	7,149.80	7,166.80	7,166.80	315.51	248.47	90.20	441.04	-6,911.74	3,492.83	3,060.69	432.14	8.083		
18,200.00	7,150.04	7,167.04	7,167.04	318.35	248.48	90.21	441.04	-6,911.74	3,575.81	3,146.08	429.73	8.321		
18,300.00	7,150.28	7,167.28	7,167.28	321.19	248.49	90.21	441.04	-6,911.74	3,659.64	3,232.25	427.39	8.563		
18,400.00	7,150.52	7,167.52	7,167.52	324.03	248.49	90.22	441.04	-6,911.74	3,744.26	3,319.13	425.12	8.807		
18,500.00	7,150.76	7,167.76	7,167.76	326.86	248.50	90.23	441.04	-6,911.74	3,829.62	3,406.69	422.93	9.055		
18,600.00	7,151.00	7,168.00	7,168.00	329.70	248.51	90.24	441.04	-6,911.74	3,915.68	3,494.87	420.80	9.305		
18,700.00	7,151.24	7,168.24	7,168.24	332.54	248.52	90.24	441.04	-6,911.74	4,002.38	3,583.63	418.75	9.558		
18,800.00	7,151.48	7,168.48	7,168.48	335.38	248.53	90.25	441.04	-6,911.74	4,089.69	3,672.93	416.76	9.813		
18,900.00	7,151.72	7,168.72	7,168.72	338.22	248.54	90.26	441.04	-6,911.74	4,177.57	3,762.73	414.84	10.070		
19,000.00	7,151.96	7,168.96	7,168.96	341.06	248.54	90.26	441.04	-6,911.74	4,265.98	3,853.00	412.98	10.330		
19,018.30	7,152.00	7,169.00	7,169.00	341.58	248.55	90.26	441.04	-6,911.74	4,282.22	3,869.57	412.65	10.377		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	4.00	3.28	3.28	-99.79	-1,254.70	-7,269.31	7,376.80					
100.00	100.00	104.00	104.00	3.28	3.78	-99.79	-1,254.70	-7,269.31	7,376.80	7,369.73	7.07	1,043.714		
200.00	200.00	204.00	204.00	3.34	6.30	-99.79	-1,254.70	-7,269.31	7,376.80	7,367.17	9.63	765.645		
300.00	299.98	303.98	303.98	3.44	9.45	122.95	-1,254.70	-7,269.31	7,377.75	7,364.86	12.89	572.184		
400.00	399.84	403.84	403.84	3.59	12.78	122.94	-1,254.70	-7,269.31	7,380.60	7,364.23	16.37	450.795		
500.00	499.45	503.45	503.45	3.80	16.17	122.92	-1,254.70	-7,269.31	7,385.35	7,365.39	19.96	370.038		
600.00	598.70	602.70	602.70	4.04	19.57	122.88	-1,254.70	-7,269.31	7,392.00	7,368.40	23.61	313.110		
700.00	697.47	701.47	701.47	4.32	22.98	122.84	-1,254.70	-7,269.31	7,400.57	7,373.27	27.30	271.085		
800.00	795.62	800.38	799.62	4.65	26.40	122.78	-1,254.70	-7,269.31	7,411.04	7,380.00	31.04	238.721		
900.00	893.06	902.94	897.06	5.01	29.96	122.72	-1,254.70	-7,269.31	7,423.44	7,388.48	34.96	212.344		
1,000.00	989.64	1,006.36	993.64	5.42	33.55	122.64	-1,254.70	-7,269.31	7,437.76	7,398.81	38.94	190.989		
1,044.50	1,032.32	1,036.32	1,036.32	5.61	34.59	122.60	-1,254.70	-7,269.31	7,444.75	7,404.58	40.17	185.326		
1,100.00	1,085.43	1,089.43	1,089.43	5.86	36.43	122.70	-1,254.70	-7,269.31	7,453.72	7,411.47	42.25	176.400		
1,200.00	1,181.11	1,185.11	1,185.11	6.33	39.76	122.88	-1,254.70	-7,269.31	7,469.95	7,423.92	46.03	162.295		
1,300.00	1,276.80	1,280.80	1,280.80	6.81	43.09	123.06	-1,254.70	-7,269.31	7,486.25	7,436.43	49.82	150.269		
1,400.00	1,372.49	1,376.49	1,376.49	7.31	46.42	123.24	-1,254.70	-7,269.31	7,502.63	7,449.00	53.63	139.906		
1,500.00	1,468.17	1,472.17	1,472.17	7.83	49.76	123.42	-1,254.70	-7,269.31	7,519.09	7,461.64	57.45	130.890		
1,600.00	1,563.86	1,567.86	1,567.86	8.35	53.09	123.60	-1,254.70	-7,269.31	7,535.62	7,474.34	61.28	122.979		
1,700.00	1,659.55	1,663.55	1,663.55	8.88	56.42	123.78	-1,254.70	-7,269.31	7,552.23	7,487.12	65.11	115.985		
1,800.00	1,755.23	1,759.23	1,759.23	9.42	59.76	123.96	-1,254.70	-7,269.31	7,568.91	7,499.95	68.96	109.760		
1,900.00	1,850.92	1,854.92	1,854.92	9.97	63.10	124.13	-1,254.70	-7,269.31	7,585.67	7,512.86	72.81	104.186		
2,000.00	1,946.61	1,950.61	1,950.61	10.52	66.43	124.31	-1,254.70	-7,269.31	7,602.50	7,525.84	76.66	99.166		
2,100.00	2,042.29	2,046.29	2,046.29	11.07	69.77	124.48	-1,254.70	-7,269.31	7,619.41	7,538.89	80.52	94.624		
2,200.00	2,137.98	2,141.98	2,141.98	11.63	73.10	124.66	-1,254.70	-7,269.31	7,636.39	7,552.00	84.39	90.494		
2,300.00	2,233.67	2,237.67	2,237.67	12.19	76.44	124.83	-1,254.70	-7,269.31	7,653.44	7,565.19	88.25	86.724		
2,400.00	2,329.35	2,333.35	2,333.35	12.76	79.78	125.01	-1,254.70	-7,269.31	7,670.56	7,578.45	92.12	83.269		
2,500.00	2,425.04	2,429.04	2,429.04	13.32	83.12	125.18	-1,254.70	-7,269.31	7,687.76	7,591.77	95.99	80.091		
2,600.00	2,520.72	2,524.72	2,524.72	13.89	86.46	125.35	-1,254.70	-7,269.31	7,705.03	7,605.17	99.86	77.159		
2,700.00	2,616.41	2,620.41	2,620.41	14.46	89.79	125.52	-1,254.70	-7,269.31	7,722.36	7,618.63	103.73	74.445		
2,800.00	2,712.10	2,716.10	2,716.10	15.03	93.13	125.69	-1,254.70	-7,269.31	7,739.77	7,632.17	107.61	71.927		
2,900.00	2,807.78	2,811.78	2,811.78	15.60	96.47	125.86	-1,254.70	-7,269.31	7,757.25	7,645.77	111.48	69.584		
3,000.00	2,903.47	2,907.47	2,907.47	16.18	99.81	126.03	-1,254.70	-7,269.31	7,774.80	7,659.44	115.36	67.398		
3,100.00	2,999.16	3,003.16	3,003.16	16.75	103.15	126.20	-1,254.70	-7,269.31	7,792.41	7,673.18	119.23	65.355		
3,200.00	3,094.84	3,101.16	3,098.84	17.33	106.57	126.36	-1,254.70	-7,269.31	7,810.10	7,686.91	123.19	63.399		
3,300.00	3,190.53	3,205.47	3,194.53	17.90	110.21	126.53	-1,254.70	-7,269.31	7,827.85	7,700.48	127.37	61.458		
3,400.00	3,286.22	3,309.78	3,290.22	18.48	113.85	126.70	-1,254.70	-7,269.31	7,845.67	7,714.12	131.55	59.641		
3,500.00	3,381.90	3,385.90	3,385.90	19.06	116.50	126.86	-1,254.70	-7,269.31	7,863.55	7,728.81	134.74	58.359		
3,600.00	3,477.59	3,481.59	3,481.59	19.64	119.84	127.03	-1,254.70	-7,269.31	7,881.51	7,742.88	138.62	56.856		
3,700.00	3,573.28	3,577.28	3,577.28	20.22	123.18	127.19	-1,254.70	-7,269.31	7,899.52	7,757.02	142.50	55.435		
3,800.00	3,668.96	3,672.96	3,672.96	20.80	126.52	127.35	-1,254.70	-7,269.31	7,917.61	7,771.23	146.38	54.090		
3,900.00	3,764.65	3,768.65	3,768.65	21.38	129.86	127.51	-1,254.70	-7,269.31	7,935.76	7,785.50	150.26	52.814		
4,000.00	3,860.33	3,864.33	3,864.33	21.96	133.20	127.68	-1,254.70	-7,269.31	7,953.97	7,799.84	154.14	51.603		
4,100.00	3,956.02	3,960.02	3,960.02	22.54	136.54	127.84	-1,254.70	-7,269.31	7,972.25	7,814.23	158.02	50.452		
4,200.00	4,051.71	4,055.71	4,055.71	23.13	139.88	128.00	-1,254.70	-7,269.31	7,990.59	7,828.70	161.89	49.357		
4,300.00	4,147.39	4,151.39	4,151.39	23.71	143.22	128.16	-1,254.70	-7,269.31	8,009.00	7,843.23	165.77	48.313		
4,400.00	4,243.08	4,247.08	4,247.08	24.29	146.56	128.32	-1,254.70	-7,269.31	8,027.47	7,857.82	169.65	47.317		
4,500.00	4,338.77	4,342.77	4,342.77	24.88	149.90	128.47	-1,254.70	-7,269.31	8,046.00	7,872.47	173.53	46.366		
4,600.00	4,434.45	4,438.45	4,438.45	25.46	153.24	128.63	-1,254.70	-7,269.31	8,064.59	7,887.18	177.41	45.458		
4,700.00	4,530.14	4,534.14	4,534.14	26.04	156.58	128.79	-1,254.70	-7,269.31	8,083.25	7,901.96	181.29	44.588		
4,800.00	4,625.83	4,629.83	4,629.83	26.63	159.92	128.94	-1,254.70	-7,269.31	8,101.96	7,916.80	185.17	43.755		
4,900.00	4,721.51	4,725.51	4,725.51	27.21	163.26	129.10	-1,254.70	-7,269.31	8,120.74	7,931.70	189.04	42.957		
5,000.00	4,817.20	4,821.20	4,821.20	27.80	166.60	129.25	-1,254.70	-7,269.31	8,139.58	7,946.66	192.92	42.191		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,916.89	4,916.89	28.38	169.93	129.41	-1,254.70	-7,269.31	8,158.47	7,961.68	196.80	41.456		
5,200.00	5,008.57	5,012.57	5,012.57	28.97	173.27	129.56	-1,254.70	-7,269.31	8,177.43	7,976.76	200.67	40.750		
5,300.00	5,104.26	5,108.26	5,108.26	29.55	176.61	129.71	-1,254.70	-7,269.31	8,196.45	7,991.90	204.55	40.070		
5,400.00	5,199.94	5,203.94	5,203.94	30.14	179.95	129.87	-1,254.70	-7,269.31	8,215.52	8,007.09	208.43	39.417		
5,500.00	5,295.63	5,300.37	5,299.63	30.72	183.32	130.02	-1,254.70	-7,269.31	8,234.65	8,022.32	212.33	38.782		
5,600.00	5,391.32	5,404.68	5,395.32	31.31	186.96	130.17	-1,254.70	-7,269.31	8,253.85	8,037.34	216.51	38.123		
5,700.00	5,487.00	5,509.00	5,491.00	31.90	190.60	130.32	-1,254.70	-7,269.31	8,273.09	8,052.41	220.68	37.488		
5,800.00	5,582.69	5,586.69	5,586.69	32.48	193.31	130.47	-1,254.70	-7,269.31	8,292.40	8,068.47	223.93	37.031		
5,900.00	5,678.38	5,682.38	5,682.38	33.07	196.65	130.62	-1,254.70	-7,269.31	8,311.76	8,083.96	227.81	36.486		
6,000.00	5,774.06	5,778.06	5,778.06	33.65	199.99	130.76	-1,254.70	-7,269.31	8,331.18	8,099.50	231.68	35.960		
6,100.00	5,869.75	5,873.75	5,873.75	34.24	203.33	130.91	-1,254.70	-7,269.31	8,350.66	8,115.10	235.56	35.451		
6,200.00	5,965.44	5,969.44	5,969.44	34.83	206.67	131.06	-1,254.70	-7,269.31	8,370.19	8,130.75	239.43	34.959		
6,300.00	6,061.12	6,065.12	6,065.12	35.41	210.01	131.20	-1,254.70	-7,269.31	8,389.77	8,146.47	243.30	34.483		
6,400.00	6,156.81	6,160.81	6,160.81	36.00	213.35	131.35	-1,254.70	-7,269.31	8,409.41	8,162.23	247.18	34.022		
6,500.00	6,252.50	6,256.50	6,256.50	36.59	216.69	131.49	-1,254.70	-7,269.31	8,429.11	8,178.05	251.05	33.575		
6,600.00	6,348.18	6,352.18	6,352.18	37.18	220.03	131.64	-1,254.70	-7,269.31	8,448.85	8,193.93	254.92	33.143		
6,636.04	6,382.67	6,386.67	6,386.67	37.39	221.24	131.69	-1,254.70	-7,269.31	8,455.98	8,199.66	256.32	32.990		
6,650.00	6,396.05	6,400.05	6,400.05	37.47	221.71	128.42	-1,254.70	-7,269.31	8,458.60	8,201.74	256.86	32.931		
6,700.00	6,444.38	6,448.38	6,448.38	37.74	223.39	113.90	-1,254.70	-7,269.31	8,465.49	8,206.69	258.80	32.710		
6,750.00	6,493.07	6,502.93	6,497.07	37.98	225.30	95.32	-1,254.70	-7,269.31	8,468.49	8,207.55	260.94	32.454		
6,800.00	6,541.82	6,545.82	6,545.82	38.18	226.79	75.77	-1,254.70	-7,269.31	8,467.58	8,204.93	262.65	32.240		
6,850.00	6,590.35	6,605.65	6,594.35	38.35	228.88	59.29	-1,254.70	-7,269.31	8,462.76	8,197.85	264.91	31.946		
6,900.00	6,638.34	6,642.34	6,642.34	38.50	230.16	47.23	-1,254.70	-7,269.31	8,454.08	8,187.74	266.34	31.742		
6,950.00	6,685.50	6,689.50	6,689.50	38.64	231.81	38.79	-1,254.70	-7,269.31	8,441.57	8,173.46	268.11	31.486		
7,000.00	6,731.54	6,735.54	6,735.54	38.77	233.42	32.87	-1,254.70	-7,269.31	8,425.31	8,155.51	269.81	31.227		
7,050.00	6,776.18	6,780.18	6,780.18	38.90	234.97	28.62	-1,254.70	-7,269.31	8,405.42	8,133.98	271.44	30.966		
7,100.00	6,819.14	6,823.14	6,823.14	39.03	236.47	25.50	-1,254.70	-7,269.31	8,382.00	8,109.01	272.99	30.705		
7,150.00	6,860.16	6,864.16	6,864.16	39.16	237.91	23.17	-1,254.70	-7,269.31	8,355.20	8,080.74	274.45	30.443		
7,200.00	6,898.98	6,902.98	6,902.98	39.31	239.26	21.42	-1,254.70	-7,269.31	8,325.18	8,049.35	275.83	30.182		
7,250.00	6,935.36	6,939.36	6,939.36	39.47	240.53	20.11	-1,254.70	-7,269.31	8,292.13	8,015.03	277.10	29.924		
7,300.00	6,969.08	6,973.08	6,973.08	39.65	241.71	19.16	-1,254.70	-7,269.31	8,256.26	7,977.98	278.27	29.670		
7,350.00	6,999.94	7,003.94	7,003.94	39.85	242.78	18.51	-1,254.70	-7,269.31	8,217.77	7,938.43	279.34	29.419		
7,400.00	7,027.74	7,031.74	7,031.74	40.08	243.76	18.13	-1,254.70	-7,269.31	8,176.91	7,896.62	280.28	29.174		
7,450.00	7,052.31	7,056.31	7,056.31	40.34	244.61	18.04	-1,254.70	-7,269.31	8,133.92	7,852.81	281.12	28.934		
7,500.00	7,073.49	7,077.49	7,077.49	40.63	245.35	18.28	-1,254.70	-7,269.31	8,089.08	7,807.25	281.83	28.702		
7,550.00	7,091.17	7,104.83	7,095.17	40.95	246.31	18.98	-1,254.70	-7,269.31	8,042.64	7,759.89	282.75	28.444		
7,600.00	7,105.22	7,109.22	7,109.22	41.31	246.46	20.41	-1,254.70	-7,269.31	7,994.91	7,712.03	282.88	28.263		
7,650.00	7,115.57	7,119.57	7,119.57	41.71	246.82	23.39	-1,254.70	-7,269.31	7,946.17	7,662.95	283.22	28.057		
7,700.00	7,122.15	7,126.15	7,126.15	42.15	247.05	30.95	-1,254.70	-7,269.31	7,896.72	7,613.29	283.43	27.861		
7,750.00	7,124.91	7,128.91	7,128.91	42.62	247.15	66.45	-1,254.70	-7,269.31	7,846.87	7,563.35	283.52	27.677		
7,759.54	7,125.00	7,129.00	7,129.00	42.72	247.15	86.17	-1,254.70	-7,269.31	7,837.33	7,553.81	283.52	27.643		
7,800.00	7,125.10	7,129.10	7,129.10	43.13	247.15	86.19	-1,254.70	-7,269.31	7,796.90	7,513.38	283.52	27.500		
7,900.00	7,125.34	7,129.34	7,129.34	44.28	247.16	86.24	-1,254.70	-7,269.31	7,696.97	7,413.44	283.52	27.148		
8,000.00	7,125.58	7,129.58	7,129.58	45.61	247.17	86.28	-1,254.70	-7,269.31	7,597.03	7,313.51	283.52	26.795		
8,100.00	7,125.82	7,129.82	7,129.82	47.10	247.18	86.33	-1,254.70	-7,269.31	7,497.10	7,213.58	283.53	26.442		
8,200.00	7,126.06	7,130.06	7,130.06	48.72	247.19	86.38	-1,254.70	-7,269.31	7,397.17	7,113.64	283.53	26.090		
8,300.00	7,126.30	7,130.30	7,130.30	50.48	247.20	86.43	-1,254.70	-7,269.31	7,297.25	7,013.71	283.54	25.737		
8,400.00	7,126.54	7,130.54	7,130.54	52.34	247.20	86.48	-1,254.70	-7,269.31	7,197.32	6,913.78	283.54	25.384		
8,500.00	7,126.78	7,130.78	7,130.78	54.30	247.21	86.53	-1,254.70	-7,269.31	7,097.40	6,813.85	283.55	25.031		
8,600.00	7,127.02	7,131.02	7,131.02	56.35	247.22	86.58	-1,254.70	-7,269.31	6,997.48	6,713.92	283.56	24.677		
8,700.00	7,127.26	7,131.26	7,131.26	58.47	247.23	86.63	-1,254.70	-7,269.31	6,897.56	6,613.99	283.57	24.324		
8,800.00	7,127.50	7,131.50	7,131.50	60.66	247.24	86.67	-1,254.70	-7,269.31	6,797.64	6,514.06	283.58	23.971		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,131.74	7,131.74	62.90	247.25	86.72	-1,254.70	-7,269.31	6,697.73	6,414.14	283.60	23.617		
9,000.00	7,127.98	7,131.98	7,131.98	65.19	247.25	86.77	-1,254.70	-7,269.31	6,597.82	6,314.21	283.61	23.264		
9,100.00	7,128.22	7,132.22	7,132.22	67.53	247.26	86.82	-1,254.70	-7,269.31	6,497.91	6,214.28	283.63	22.910		
9,200.00	7,128.46	7,132.46	7,132.46	69.92	247.27	86.87	-1,254.70	-7,269.31	6,398.01	6,114.36	283.64	22.556		
9,300.00	7,128.70	7,132.70	7,132.70	72.33	247.28	86.92	-1,254.70	-7,269.31	6,298.10	6,014.44	283.66	22.203		
9,400.00	7,128.94	7,132.94	7,132.94	74.78	247.29	86.97	-1,254.70	-7,269.31	6,198.21	5,914.52	283.69	21.849		
9,500.00	7,129.18	7,133.18	7,133.18	77.26	247.30	87.02	-1,254.70	-7,269.31	6,098.31	5,814.60	283.71	21.495		
9,600.00	7,129.42	7,133.42	7,133.42	79.76	247.30	87.07	-1,254.70	-7,269.31	5,998.42	5,714.68	283.74	21.141		
9,700.00	7,129.66	7,133.66	7,133.66	82.29	247.31	87.11	-1,254.70	-7,269.31	5,898.53	5,614.77	283.76	20.787		
9,800.00	7,129.90	7,133.90	7,133.90	84.84	247.32	87.16	-1,254.70	-7,269.31	5,798.64	5,514.85	283.79	20.433		
9,900.00	7,130.14	7,134.14	7,134.14	87.41	247.33	87.21	-1,254.70	-7,269.31	5,698.76	5,414.94	283.82	20.078		
10,000.00	7,130.38	7,134.38	7,134.38	90.00	247.34	87.26	-1,254.70	-7,269.31	5,598.89	5,315.03	283.86	19.724		
10,100.00	7,130.62	7,134.62	7,134.62	92.60	247.35	87.31	-1,254.70	-7,269.31	5,499.01	5,215.12	283.89	19.370		
10,200.00	7,130.86	7,134.86	7,134.86	95.22	247.35	87.36	-1,254.70	-7,269.31	5,399.15	5,115.21	283.93	19.015		
10,300.00	7,131.09	7,135.09	7,135.09	97.85	247.36	87.41	-1,254.70	-7,269.31	5,299.28	5,015.31	283.98	18.661		
10,400.00	7,131.33	7,135.33	7,135.33	100.50	247.37	87.46	-1,254.70	-7,269.31	5,199.43	4,915.41	284.02	18.306		
10,500.00	7,131.57	7,135.57	7,135.57	103.16	247.38	87.51	-1,254.70	-7,269.31	5,099.58	4,815.51	284.07	17.952		
10,600.00	7,131.81	7,135.81	7,135.81	105.82	247.39	87.55	-1,254.70	-7,269.31	4,999.73	4,715.61	284.12	17.597		
10,700.00	7,132.05	7,136.05	7,136.05	108.50	247.40	87.60	-1,254.70	-7,269.31	4,899.89	4,615.72	284.18	17.242		
10,800.00	7,132.29	7,136.29	7,136.29	111.19	247.40	87.65	-1,254.70	-7,269.31	4,800.06	4,515.82	284.24	16.888		
10,900.00	7,132.53	7,136.53	7,136.53	113.88	247.41	87.70	-1,254.70	-7,269.31	4,700.23	4,415.93	284.30	16.533		
11,000.00	7,132.77	7,136.77	7,136.77	116.58	247.42	87.75	-1,254.70	-7,269.31	4,600.42	4,316.05	284.37	16.178		
11,100.00	7,133.01	7,137.01	7,137.01	119.29	247.43	87.80	-1,254.70	-7,269.31	4,500.61	4,216.16	284.44	15.823		
11,200.00	7,133.25	7,137.25	7,137.25	122.01	247.44	87.85	-1,254.70	-7,269.31	4,400.80	4,116.28	284.52	15.467		
11,300.00	7,133.49	7,137.49	7,137.49	124.73	247.45	87.90	-1,254.70	-7,269.31	4,301.01	4,016.41	284.60	15.112		
11,400.00	7,133.73	7,137.73	7,137.73	127.46	247.45	87.95	-1,254.70	-7,269.31	4,201.23	3,916.53	284.70	14.757		
11,500.00	7,133.97	7,137.97	7,137.97	130.19	247.46	88.00	-1,254.70	-7,269.31	4,101.46	3,816.66	284.79	14.401		
11,600.00	7,134.21	7,138.21	7,138.21	132.93	247.47	88.04	-1,254.70	-7,269.31	4,001.70	3,716.80	284.90	14.046		
11,700.00	7,134.45	7,138.45	7,138.45	135.68	247.48	88.09	-1,254.70	-7,269.31	3,901.95	3,616.93	285.02	13.690		
11,800.00	7,134.69	7,138.69	7,138.69	138.43	247.49	88.14	-1,254.70	-7,269.31	3,802.22	3,517.08	285.14	13.334		
11,900.00	7,134.93	7,138.93	7,138.93	141.18	247.50	88.19	-1,254.70	-7,269.31	3,702.50	3,417.22	285.28	12.979		
12,000.00	7,135.17	7,139.17	7,139.17	143.94	247.51	88.24	-1,254.70	-7,269.31	3,602.79	3,317.37	285.43	12.623		
12,100.00	7,135.41	7,139.41	7,139.41	146.70	247.51	88.29	-1,254.70	-7,269.31	3,503.10	3,217.52	285.59	12.266		
12,200.00	7,135.65	7,139.65	7,139.65	149.46	247.52	88.34	-1,254.70	-7,269.31	3,403.43	3,117.67	285.76	11.910		
12,300.00	7,135.89	7,139.89	7,139.89	152.23	247.53	88.39	-1,254.70	-7,269.31	3,303.78	3,017.83	285.96	11.553		
12,400.00	7,136.13	7,140.13	7,140.13	155.00	247.54	88.44	-1,254.70	-7,269.31	3,204.16	2,917.99	286.17	11.197		
12,500.00	7,136.37	7,140.37	7,140.37	157.78	247.55	88.48	-1,254.70	-7,269.31	3,104.55	2,818.15	286.41	10.840		
12,600.00	7,136.61	7,140.61	7,140.61	160.55	247.56	88.53	-1,254.70	-7,269.31	3,004.97	2,718.31	286.66	10.483		
12,700.00	7,136.85	7,140.85	7,140.85	163.33	247.56	88.58	-1,254.70	-7,269.31	2,905.43	2,618.47	286.95	10.125		
12,800.00	7,137.09	7,141.09	7,141.09	166.12	247.57	88.63	-1,254.70	-7,269.31	2,805.91	2,518.64	287.27	9.767		
12,900.00	7,137.33	7,141.33	7,141.33	168.90	247.58	88.68	-1,254.70	-7,269.31	2,706.43	2,418.80	287.63	9.409		
13,000.00	7,137.57	7,141.57	7,141.57	171.69	247.59	88.73	-1,254.70	-7,269.31	2,606.99	2,318.96	288.03	9.051		
13,100.00	7,137.81	7,141.81	7,141.81	174.48	247.60	88.78	-1,254.70	-7,269.31	2,507.59	2,219.11	288.48	8.693		
13,200.00	7,138.05	7,142.05	7,142.05	177.27	247.61	88.83	-1,254.70	-7,269.31	2,408.24	2,119.26	288.98	8.334		
13,300.00	7,138.29	7,142.29	7,142.29	180.07	247.61	88.88	-1,254.70	-7,269.31	2,308.95	2,019.40	289.55	7.974		
13,400.00	7,138.53	7,142.53	7,142.53	182.86	247.62	88.93	-1,254.70	-7,269.31	2,209.72	1,919.52	290.20	7.614		
13,500.00	7,138.77	7,142.77	7,142.77	185.66	247.63	88.97	-1,254.70	-7,269.31	2,110.57	1,819.62	290.95	7.254		
13,600.00	7,139.01	7,143.01	7,143.01	188.46	247.64	89.02	-1,254.70	-7,269.31	2,011.50	1,719.70	291.80	6.893		
13,700.00	7,139.25	7,143.25	7,143.25	191.26	247.65	89.07	-1,254.70	-7,269.31	1,912.53	1,619.75	292.78	6.532		
13,800.00	7,139.49	7,143.49	7,143.49	194.06	247.66	89.12	-1,254.70	-7,269.31	1,813.67	1,519.75	293.91	6.171		
13,900.00	7,139.73	7,143.73	7,143.73	196.87	247.66	89.17	-1,254.70	-7,269.31	1,714.94	1,419.70	295.24	5.809		
14,000.00	7,139.97	7,143.97	7,143.97	199.68	247.67	89.22	-1,254.70	-7,269.31	1,616.37	1,319.58	296.78	5.446		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	7,144.21	7,144.21	202.48	247.68	89.27	-1,254.70	-7,269.31	1,517.98	1,219.37	298.61	5.084		
14,200.00	7,140.45	7,144.45	7,144.45	205.29	247.69	89.32	-1,254.70	-7,269.31	1,419.82	1,119.05	300.77	4.721		
14,300.00	7,140.69	7,144.69	7,144.69	208.10	247.70	89.37	-1,254.70	-7,269.31	1,321.94	1,018.59	303.35	4.358		
14,400.00	7,140.93	7,144.93	7,144.93	210.91	247.71	89.42	-1,254.70	-7,269.31	1,224.39	917.94	306.45	3.995		
14,500.00	7,141.17	7,145.17	7,145.17	213.73	247.71	89.46	-1,254.70	-7,269.31	1,127.28	817.05	310.23	3.634		
14,600.00	7,141.41	7,145.41	7,145.41	216.54	247.72	89.51	-1,254.70	-7,269.31	1,030.72	715.87	314.85	3.274		
14,700.00	7,141.65	7,145.65	7,145.65	219.36	247.73	89.56	-1,254.70	-7,269.31	934.89	614.30	320.59	2.916		
14,800.00	7,141.89	7,145.89	7,145.89	222.17	247.74	89.61	-1,254.70	-7,269.31	840.02	512.23	327.79	2.563		
14,900.00	7,142.13	7,146.13	7,146.13	224.99	247.75	89.66	-1,254.70	-7,269.31	746.50	409.54	336.96	2.215		
15,000.00	7,142.36	7,146.36	7,146.36	227.81	247.76	89.71	-1,254.70	-7,269.31	654.89	306.10	348.80	1.878		
15,100.00	7,142.60	7,146.60	7,146.60	230.63	247.76	89.76	-1,254.70	-7,269.31	566.14	201.82	364.32	1.554		
15,200.00	7,142.84	7,146.84	7,146.84	233.45	247.77	89.81	-1,254.70	-7,269.31	481.80	96.97	384.83	1.252 Level 3		
15,300.00	7,143.08	7,147.08	7,147.08	236.27	247.78	89.86	-1,254.70	-7,269.31	404.67	-7.01	411.68	0.983 Level 1		
15,400.00	7,143.32	7,147.32	7,147.32	239.09	247.79	89.91	-1,254.70	-7,269.31	339.68	-104.93	444.61	0.764 Level 1		
15,500.00	7,143.56	7,147.56	7,147.56	241.91	247.80	89.95	-1,254.70	-7,269.31	294.97	-182.08	477.04	0.618 Level 1		
15,591.88	7,143.78	7,147.78	7,147.78	244.50	247.81	90.00	-1,254.70	-7,269.31	280.29	-212.00	492.29	0.569 Level 1, CC		
15,600.00	7,143.80	7,147.80	7,147.80	244.73	247.81	90.00	-1,254.70	-7,269.31	280.41	-212.10	492.51	0.569 Level 1, ES, SF		
15,700.00	7,144.04	7,148.04	7,148.04	247.56	247.81	90.05	-1,254.70	-7,269.31	300.42	-179.86	480.28	0.626 Level 1		
15,800.00	7,144.28	7,148.28	7,148.28	250.38	247.82	90.10	-1,254.70	-7,269.31	349.11	-102.86	451.97	0.772 Level 1		
15,900.00	7,144.52	7,148.52	7,148.52	253.21	247.83	90.15	-1,254.70	-7,269.31	416.53	-6.33	422.86	0.985 Level 1		
16,000.00	7,144.76	7,148.76	7,148.76	256.03	247.84	90.20	-1,254.70	-7,269.31	495.10	96.31	398.79	1.241 Level 2		
16,100.00	7,145.00	7,149.00	7,149.00	258.86	247.85	90.25	-1,254.70	-7,269.31	580.30	200.19	380.10	1.527		
16,200.00	7,145.24	7,149.24	7,149.24	261.69	247.86	90.30	-1,254.70	-7,269.31	669.60	303.87	365.73	1.831		
16,300.00	7,145.48	7,149.48	7,149.48	264.52	247.87	90.35	-1,254.70	-7,269.31	761.57	407.00	354.58	2.148		
16,400.00	7,145.72	7,149.72	7,149.72	267.35	247.87	90.40	-1,254.70	-7,269.31	855.34	509.55	345.79	2.474		
16,500.00	7,145.96	7,149.96	7,149.96	270.18	247.88	90.45	-1,254.70	-7,269.31	950.39	611.62	338.77	2.805		
16,600.00	7,146.20	7,150.20	7,150.20	273.01	247.89	90.49	-1,254.70	-7,269.31	1,046.36	713.28	333.07	3.142		
16,700.00	7,146.44	7,150.44	7,150.44	275.84	247.90	90.54	-1,254.70	-7,269.31	1,143.01	814.62	328.39	3.481		
16,800.00	7,146.68	7,150.68	7,150.68	278.67	247.91	90.59	-1,254.70	-7,269.31	1,240.20	915.71	324.49	3.822		
16,900.00	7,146.92	7,150.92	7,150.92	281.50	247.92	90.64	-1,254.70	-7,269.31	1,337.81	1,016.59	321.22	4.165		
17,000.00	7,147.16	7,151.16	7,151.16	284.33	247.92	90.69	-1,254.70	-7,269.31	1,435.74	1,117.30	318.44	4.509		
17,100.00	7,147.40	7,151.40	7,151.40	287.16	247.93	90.74	-1,254.70	-7,269.31	1,533.94	1,217.88	316.06	4.853		
17,200.00	7,147.64	7,151.64	7,151.64	290.00	247.94	90.79	-1,254.70	-7,269.31	1,632.36	1,318.34	314.01	5.198		
17,300.00	7,147.88	7,151.88	7,151.88	292.83	247.95	90.84	-1,254.70	-7,269.31	1,730.96	1,418.72	312.24	5.544		
17,400.00	7,148.12	7,152.12	7,152.12	295.66	247.96	90.89	-1,254.70	-7,269.31	1,829.71	1,519.02	310.69	5.889		
17,500.00	7,148.36	7,152.36	7,152.36	298.50	247.97	90.94	-1,254.70	-7,269.31	1,928.59	1,619.26	309.33	6.235		
17,600.00	7,148.60	7,152.60	7,152.60	301.33	247.97	90.98	-1,254.70	-7,269.31	2,027.58	1,719.45	308.13	6.580		
17,700.00	7,148.84	7,152.84	7,152.84	304.17	247.98	91.03	-1,254.70	-7,269.31	2,126.66	1,819.59	307.07	6.926		
17,800.00	7,149.08	7,153.08	7,153.08	307.00	247.99	91.08	-1,254.70	-7,269.31	2,225.83	1,919.70	306.13	7.271		
17,900.00	7,149.32	7,153.32	7,153.32	309.84	248.00	91.13	-1,254.70	-7,269.31	2,325.07	2,019.78	305.29	7.616		
18,000.00	7,149.56	7,153.56	7,153.56	312.68	248.01	91.18	-1,254.70	-7,269.31	2,424.37	2,119.82	304.54	7.961		
18,100.00	7,149.80	7,153.80	7,153.80	315.51	248.02	91.23	-1,254.70	-7,269.31	2,523.72	2,219.85	303.87	8.305		
18,200.00	7,150.04	7,154.04	7,154.04	318.35	248.02	91.28	-1,254.70	-7,269.31	2,623.13	2,319.86	303.27	8.649		
18,300.00	7,150.28	7,154.28	7,154.28	321.19	248.03	91.33	-1,254.70	-7,269.31	2,722.58	2,419.85	302.73	8.993		
18,400.00	7,150.52	7,154.52	7,154.52	324.03	248.04	91.38	-1,254.70	-7,269.31	2,822.06	2,519.82	302.24	9.337		
18,500.00	7,150.76	7,154.76	7,154.76	326.86	248.05	91.43	-1,254.70	-7,269.31	2,921.59	2,619.78	301.80	9.680		
18,600.00	7,151.00	7,155.00	7,155.00	329.70	248.06	91.47	-1,254.70	-7,269.31	3,021.14	2,719.74	301.40	10.024		
18,700.00	7,151.24	7,155.24	7,155.24	332.54	248.07	91.52	-1,254.70	-7,269.31	3,120.72	2,819.68	301.04	10.366		
18,800.00	7,151.48	7,155.48	7,155.48	335.38	248.07	91.57	-1,254.70	-7,269.31	3,220.33	2,919.61	300.72	10.709		
18,900.00	7,151.72	7,155.72	7,155.72	338.22	248.08	91.62	-1,254.70	-7,269.31	3,319.96	3,019.54	300.42	11.051		
19,000.00	7,151.96	7,155.96	7,155.96	341.06	248.09	91.67	-1,254.70	-7,269.31	3,419.61	3,119.46	300.16	11.393		
19,018.30	7,152.00	7,156.00	7,156.00	341.58	248.09	91.68	-1,254.70	-7,269.31	3,437.85	3,137.74	300.11	11.455		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
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Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-86.68	323.76	-5,575.53	5,584.92					
100.00	100.00	110.00	110.00	3.28	3.89	-86.68	323.76	-5,575.53	5,584.92	5,577.74	7.18	778.229		
200.00	200.00	210.00	210.00	3.34	6.48	-86.68	323.76	-5,575.53	5,584.92	5,575.11	9.81	569.049		
300.00	299.98	309.98	309.98	3.44	9.65	136.07	323.76	-5,575.53	5,586.18	5,573.09	13.09	426.724		
400.00	399.84	409.84	409.84	3.59	12.98	136.05	323.76	-5,575.53	5,589.95	5,573.37	16.58	337.238		
500.00	499.45	509.45	509.45	3.80	16.37	136.03	323.76	-5,575.53	5,596.23	5,576.07	20.16	277.526		
600.00	598.70	608.70	608.70	4.04	19.78	135.99	323.76	-5,575.53	5,605.03	5,581.22	23.82	235.350		
700.00	697.47	707.47	707.47	4.32	23.19	135.94	323.76	-5,575.53	5,616.35	5,588.84	27.51	204.183		
800.00	795.62	805.62	805.62	4.65	26.58	135.88	323.76	-5,575.53	5,630.18	5,598.95	31.22	180.326		
900.00	893.06	903.06	903.06	5.01	29.96	135.81	323.76	-5,575.53	5,646.52	5,611.56	34.95	161.548		
1,000.00	989.64	1,000.36	999.64	5.42	33.34	135.72	323.76	-5,575.53	5,665.37	5,626.66	38.71	146.339		
1,044.50	1,032.32	1,042.32	1,042.32	5.61	34.80	135.68	323.76	-5,575.53	5,674.57	5,634.22	40.35	140.621		
1,100.00	1,085.43	1,104.57	1,095.43	5.86	36.96	135.79	323.76	-5,575.53	5,686.36	5,643.61	42.75	133.026		
1,200.00	1,181.11	1,208.89	1,191.11	6.33	40.59	135.99	323.76	-5,575.53	5,707.66	5,660.86	46.80	121.959		
1,300.00	1,276.80	1,286.80	1,286.80	6.81	43.30	136.19	323.76	-5,575.53	5,729.03	5,679.08	49.95	114.688		
1,400.00	1,372.49	1,382.49	1,382.49	7.31	46.63	136.38	323.76	-5,575.53	5,750.46	5,696.73	53.74	107.007		
1,500.00	1,468.17	1,478.17	1,478.17	7.83	49.97	136.58	323.76	-5,575.53	5,771.97	5,714.43	57.54	100.318		
1,600.00	1,563.86	1,573.86	1,573.86	8.35	53.30	136.77	323.76	-5,575.53	5,793.53	5,732.19	61.34	94.443		
1,700.00	1,659.55	1,669.55	1,669.55	8.88	56.63	136.96	323.76	-5,575.53	5,815.17	5,750.01	65.16	89.245		
1,800.00	1,755.23	1,765.23	1,765.23	9.42	59.97	137.15	323.76	-5,575.53	5,836.87	5,767.88	68.98	84.615		
1,900.00	1,850.92	1,860.92	1,860.92	9.97	63.30	137.34	323.76	-5,575.53	5,858.63	5,785.82	72.81	80.466		
2,000.00	1,946.61	1,956.61	1,956.61	10.52	66.64	137.53	323.76	-5,575.53	5,880.45	5,803.81	76.64	76.728		
2,100.00	2,042.29	2,052.29	2,052.29	11.07	69.98	137.72	323.76	-5,575.53	5,902.34	5,821.86	80.48	73.343		
2,200.00	2,137.98	2,147.98	2,147.98	11.63	73.31	137.90	323.76	-5,575.53	5,924.29	5,839.97	84.31	70.264		
2,300.00	2,233.67	2,243.67	2,243.67	12.19	76.65	138.09	323.76	-5,575.53	5,946.30	5,858.14	88.16	67.452		
2,400.00	2,329.35	2,339.35	2,339.35	12.76	79.99	138.27	323.76	-5,575.53	5,968.37	5,876.37	92.00	64.874		
2,500.00	2,425.04	2,435.04	2,435.04	13.32	83.33	138.45	323.76	-5,575.53	5,990.49	5,894.65	95.84	62.502		
2,600.00	2,520.72	2,530.72	2,530.72	13.89	86.66	138.63	323.76	-5,575.53	6,012.68	5,912.99	99.69	60.313		
2,700.00	2,616.41	2,626.41	2,626.41	14.46	90.00	138.81	323.76	-5,575.53	6,034.93	5,931.39	103.54	58.286		
2,800.00	2,712.10	2,722.10	2,722.10	15.03	93.34	138.99	323.76	-5,575.53	6,057.23	5,949.84	107.39	56.404		
2,900.00	2,807.78	2,817.78	2,817.78	15.60	96.68	139.16	323.76	-5,575.53	6,079.59	5,968.35	111.24	54.653		
3,000.00	2,903.47	2,913.47	2,913.47	16.18	100.02	139.34	323.76	-5,575.53	6,102.01	5,986.92	115.09	53.019		
3,100.00	2,999.16	3,009.16	3,009.16	16.75	103.36	139.51	323.76	-5,575.53	6,124.48	6,005.54	118.94	51.491		
3,200.00	3,094.84	3,104.84	3,104.84	17.33	106.70	139.69	323.76	-5,575.53	6,147.01	6,024.22	122.80	50.059		
3,300.00	3,190.53	3,200.53	3,200.53	17.90	110.03	139.86	323.76	-5,575.53	6,169.60	6,042.95	126.65	48.714		
3,400.00	3,286.22	3,303.78	3,296.22	18.48	113.64	140.03	323.76	-5,575.53	6,192.23	6,061.47	130.77	47.353		
3,500.00	3,381.90	3,408.10	3,391.90	19.06	117.28	140.20	323.76	-5,575.53	6,214.92	6,080.00	134.92	46.063		
3,600.00	3,477.59	3,487.59	3,487.59	19.64	120.05	140.36	323.76	-5,575.53	6,237.67	6,099.46	138.21	45.132		
3,700.00	3,573.28	3,583.28	3,583.28	20.22	123.39	140.53	323.76	-5,575.53	6,260.46	6,118.40	142.06	44.068		
3,800.00	3,668.96	3,678.96	3,678.96	20.80	126.73	140.70	323.76	-5,575.53	6,283.31	6,137.39	145.92	43.060		
3,900.00	3,764.65	3,774.65	3,774.65	21.38	130.07	140.86	323.76	-5,575.53	6,306.21	6,156.43	149.77	42.105		
4,000.00	3,860.33	3,870.33	3,870.33	21.96	133.41	141.02	323.76	-5,575.53	6,329.15	6,175.53	153.63	41.198		
4,100.00	3,956.02	3,966.02	3,966.02	22.54	136.75	141.19	323.76	-5,575.53	6,352.15	6,194.67	157.48	40.336		
4,200.00	4,051.71	4,061.71	4,061.71	23.13	140.09	141.35	323.76	-5,575.53	6,375.20	6,213.87	161.34	39.515		
4,300.00	4,147.39	4,157.39	4,157.39	23.71	143.43	141.51	323.76	-5,575.53	6,398.30	6,233.11	165.19	38.733		
4,400.00	4,243.08	4,253.08	4,253.08	24.29	146.77	141.67	323.76	-5,575.53	6,421.44	6,252.40	169.04	37.987		
4,500.00	4,338.77	4,348.77	4,348.77	24.88	150.11	141.82	323.76	-5,575.53	6,444.64	6,271.74	172.90	37.274		
4,600.00	4,434.45	4,444.45	4,444.45	25.46	153.45	141.98	323.76	-5,575.53	6,467.88	6,291.12	176.75	36.593		
4,700.00	4,530.14	4,540.14	4,540.14	26.04	156.79	142.14	323.76	-5,575.53	6,491.16	6,310.56	180.61	35.941		
4,800.00	4,625.83	4,635.83	4,635.83	26.63	160.13	142.29	323.76	-5,575.53	6,514.50	6,330.04	184.46	35.317		
4,900.00	4,721.51	4,731.51	4,731.51	27.21	163.46	142.44	323.76	-5,575.53	6,537.88	6,349.56	188.31	34.718		
5,000.00	4,817.20	4,827.20	4,827.20	27.80	166.80	142.60	323.76	-5,575.53	6,561.30	6,369.13	192.17	34.144		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,922.89	4,922.89	28.38	170.14	142.75	323.76	-5,575.53	6,584.77	6,388.75	196.02	33.592		
5,200.00	5,008.57	5,018.57	5,018.57	28.97	173.48	142.90	323.76	-5,575.53	6,608.28	6,408.41	199.87	33.062		
5,300.00	5,104.26	5,114.26	5,114.26	29.55	176.82	143.05	323.76	-5,575.53	6,631.84	6,428.12	203.73	32.553		
5,400.00	5,199.94	5,209.94	5,209.94	30.14	180.16	143.19	323.76	-5,575.53	6,655.44	6,447.87	207.58	32.062		
5,500.00	5,295.63	5,305.63	5,305.63	30.72	183.50	143.34	323.76	-5,575.53	6,679.09	6,467.66	211.43	31.590		
5,600.00	5,391.32	5,401.32	5,401.32	31.31	186.84	143.49	323.76	-5,575.53	6,702.77	6,487.49	215.28	31.135		
5,700.00	5,487.00	5,503.00	5,497.00	31.90	190.39	143.63	323.76	-5,575.53	6,726.50	6,507.16	219.34	30.666		
5,800.00	5,582.69	5,607.31	5,592.69	32.48	194.03	143.78	323.76	-5,575.53	6,750.27	6,526.78	223.50	30.203		
5,900.00	5,678.38	5,688.38	5,688.38	33.07	196.86	143.92	323.76	-5,575.53	6,774.09	6,547.25	226.84	29.863		
6,000.00	5,774.06	5,784.06	5,784.06	33.65	200.20	144.06	323.76	-5,575.53	6,797.94	6,567.25	230.69	29.468		
6,100.00	5,869.75	5,879.75	5,879.75	34.24	203.54	144.20	323.76	-5,575.53	6,821.83	6,587.29	234.54	29.086		
6,200.00	5,965.44	5,975.44	5,975.44	34.83	206.88	144.34	323.76	-5,575.53	6,845.76	6,607.37	238.39	28.716		
6,300.00	6,061.12	6,071.12	6,071.12	35.41	210.22	144.48	323.76	-5,575.53	6,869.74	6,627.49	242.24	28.359		
6,400.00	6,156.81	6,166.81	6,166.81	36.00	213.56	144.62	323.76	-5,575.53	6,893.75	6,647.66	246.09	28.013		
6,500.00	6,252.50	6,262.50	6,262.50	36.59	216.90	144.76	323.76	-5,575.53	6,917.80	6,667.85	249.94	27.678		
6,600.00	6,348.18	6,358.18	6,358.18	37.18	220.24	144.89	323.76	-5,575.53	6,941.89	6,688.09	253.79	27.353		
6,636.04	6,382.67	6,407.33	6,392.67	37.39	221.96	144.94	323.76	-5,575.53	6,950.58	6,694.89	255.69	27.183		
6,650.00	6,396.05	6,406.05	6,406.05	37.47	221.91	141.61	323.76	-5,575.53	6,953.80	6,698.08	255.72	27.193		
6,700.00	6,444.38	6,454.38	6,454.38	37.74	223.60	126.89	323.76	-5,575.53	6,962.96	6,705.31	257.65	27.025		
6,750.00	6,493.07	6,503.07	6,503.07	37.98	225.30	108.21	323.76	-5,575.53	6,968.37	6,708.79	259.58	26.845		
6,800.00	6,541.82	6,551.82	6,551.82	38.18	227.00	88.64	323.76	-5,575.53	6,969.99	6,708.50	261.49	26.655		
6,850.00	6,590.35	6,600.35	6,600.35	38.35	228.70	72.22	323.76	-5,575.53	6,967.82	6,704.45	263.37	26.457		
6,900.00	6,638.34	6,648.34	6,648.34	38.50	230.37	60.30	323.76	-5,575.53	6,961.87	6,696.68	265.19	26.252		
6,950.00	6,685.50	6,704.50	6,695.50	38.64	232.33	52.10	323.76	-5,575.53	6,952.19	6,684.92	267.27	26.012		
7,000.00	6,731.54	6,741.54	6,741.54	38.77	233.63	46.50	323.76	-5,575.53	6,938.84	6,670.18	268.66	25.827		
7,050.00	6,776.18	6,786.18	6,786.18	38.90	235.18	42.67	323.76	-5,575.53	6,921.90	6,651.61	270.29	25.609		
7,100.00	6,819.14	6,829.14	6,829.14	39.03	236.68	40.09	323.76	-5,575.53	6,901.49	6,629.66	271.84	25.389		
7,150.00	6,860.16	6,870.16	6,870.16	39.16	238.11	38.44	323.76	-5,575.53	6,877.74	6,604.45	273.29	25.166		
7,200.00	6,898.98	6,908.98	6,908.98	39.31	239.47	37.52	323.76	-5,575.53	6,850.79	6,576.13	274.66	24.943		
7,250.00	6,935.36	6,945.36	6,945.36	39.47	240.74	37.23	323.76	-5,575.53	6,820.81	6,544.89	275.92	24.720		
7,300.00	6,969.08	6,979.08	6,979.08	39.65	241.92	37.51	323.76	-5,575.53	6,787.99	6,510.92	277.08	24.499		
7,350.00	6,999.94	7,009.94	7,009.94	39.85	242.99	38.38	323.76	-5,575.53	6,752.54	6,474.41	278.13	24.279		
7,400.00	7,027.74	7,037.74	7,037.74	40.08	243.96	39.88	323.76	-5,575.53	6,714.67	6,435.60	279.07	24.061		
7,450.00	7,052.31	7,062.31	7,062.31	40.34	244.82	42.12	323.76	-5,575.53	6,674.62	6,394.72	279.89	23.847		
7,500.00	7,073.49	7,083.49	7,083.49	40.63	245.56	45.27	323.76	-5,575.53	6,632.62	6,352.02	280.60	23.637		
7,550.00	7,091.17	7,101.17	7,101.17	40.95	246.18	49.58	323.76	-5,575.53	6,588.95	6,307.76	281.19	23.432		
7,600.00	7,105.22	7,115.22	7,115.22	41.31	246.67	55.44	323.76	-5,575.53	6,543.87	6,262.21	281.67	23.233		
7,650.00	7,115.57	7,125.57	7,125.57	41.71	247.03	63.32	323.76	-5,575.53	6,497.65	6,215.63	282.02	23.040		
7,700.00	7,122.15	7,132.15	7,132.15	42.15	247.26	73.73	323.76	-5,575.53	6,450.58	6,168.32	282.25	22.854		
7,750.00	7,124.91	7,134.91	7,134.91	42.62	247.36	86.80	323.76	-5,575.53	6,402.93	6,120.56	282.37	22.676		
7,759.54	7,125.00	7,135.00	7,135.00	42.72	247.36	89.54	323.76	-5,575.53	6,393.80	6,111.42	282.38	22.643		
7,800.00	7,125.10	7,135.10	7,135.10	43.13	247.36	89.55	323.76	-5,575.53	6,355.07	6,072.66	282.41	22.503		
7,900.00	7,125.34	7,135.34	7,135.34	44.28	247.37	89.55	323.76	-5,575.53	6,259.42	5,976.93	282.50	22.157		
8,000.00	7,125.58	7,135.58	7,135.58	45.61	247.38	89.56	323.76	-5,575.53	6,163.92	5,881.31	282.62	21.810		
8,100.00	7,125.82	7,135.82	7,135.82	47.10	247.39	89.57	323.76	-5,575.53	6,068.56	5,785.80	282.76	21.462		
8,200.00	7,126.06	7,136.06	7,136.06	48.72	247.40	89.58	323.76	-5,575.53	5,973.36	5,690.41	282.95	21.111		
8,300.00	7,126.30	7,136.30	7,136.30	50.48	247.40	89.58	323.76	-5,575.53	5,878.31	5,595.14	283.17	20.759		
8,400.00	7,126.54	7,136.54	7,136.54	52.34	247.41	89.59	323.76	-5,575.53	5,783.43	5,500.00	283.43	20.405		
8,500.00	7,126.78	7,136.78	7,136.78	54.30	247.42	89.60	323.76	-5,575.53	5,688.73	5,405.00	283.73	20.050		
8,600.00	7,127.02	7,137.02	7,137.02	56.35	247.43	89.61	323.76	-5,575.53	5,594.21	5,310.13	284.07	19.693		
8,700.00	7,127.26	7,137.26	7,137.26	58.47	247.44	89.61	323.76	-5,575.53	5,499.88	5,215.42	284.46	19.334		
8,800.00	7,127.50	7,137.50	7,137.50	60.66	247.45	89.62	323.76	-5,575.53	5,405.76	5,120.85	284.90	18.974		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,137.74	7,137.74	62.90	247.46	89.63	323.76	-5,575.53	5,311.85	5,026.45	285.40	18.612		
9,000.00	7,127.98	7,137.98	7,137.98	65.19	247.46	89.64	323.76	-5,575.53	5,218.17	4,932.22	285.95	18.249		
9,100.00	7,128.22	7,138.22	7,138.22	67.53	247.47	89.64	323.76	-5,575.53	5,124.72	4,838.16	286.56	17.884		
9,200.00	7,128.46	7,138.46	7,138.46	69.92	247.48	89.65	323.76	-5,575.53	5,031.53	4,744.30	287.24	17.517		
9,300.00	7,128.70	7,138.70	7,138.70	72.33	247.49	89.66	323.76	-5,575.53	4,938.61	4,650.63	287.98	17.149		
9,400.00	7,128.94	7,138.94	7,138.94	74.78	247.50	89.67	323.76	-5,575.53	4,845.97	4,557.18	288.79	16.780		
9,500.00	7,129.18	7,139.18	7,139.18	77.26	247.51	89.67	323.76	-5,575.53	4,753.62	4,463.95	289.68	16.410		
9,600.00	7,129.42	7,139.42	7,139.42	79.76	247.51	89.68	323.76	-5,575.53	4,661.59	4,370.95	290.64	16.039		
9,700.00	7,129.66	7,139.66	7,139.66	82.29	247.52	89.69	323.76	-5,575.53	4,569.90	4,278.22	291.68	15.667		
9,800.00	7,129.90	7,139.90	7,139.90	84.84	247.53	89.70	323.76	-5,575.53	4,478.56	4,185.75	292.82	15.295		
9,900.00	7,130.14	7,140.14	7,140.14	87.41	247.54	89.70	323.76	-5,575.53	4,387.60	4,093.57	294.04	14.922		
10,000.00	7,130.38	7,140.38	7,140.38	90.00	247.55	89.71	323.76	-5,575.53	4,297.04	4,001.69	295.35	14.549		
10,100.00	7,130.62	7,140.62	7,140.62	92.60	247.56	89.72	323.76	-5,575.53	4,206.91	3,910.15	296.76	14.176		
10,200.00	7,130.86	7,140.86	7,140.86	95.22	247.56	89.73	323.76	-5,575.53	4,117.24	3,818.96	298.28	13.803		
10,300.00	7,131.09	7,141.09	7,141.09	97.85	247.57	89.73	323.76	-5,575.53	4,028.05	3,728.15	299.90	13.431		
10,400.00	7,131.33	7,141.33	7,141.33	100.50	247.58	89.74	323.76	-5,575.53	3,939.38	3,637.74	301.64	13.060		
10,500.00	7,131.57	7,141.57	7,141.57	103.16	247.59	89.75	323.76	-5,575.53	3,851.26	3,547.78	303.49	12.690		
10,600.00	7,131.81	7,141.81	7,141.81	105.82	247.60	89.76	323.76	-5,575.53	3,763.74	3,458.28	305.46	12.321		
10,700.00	7,132.05	7,142.05	7,142.05	108.50	247.61	89.76	323.76	-5,575.53	3,676.86	3,369.29	307.57	11.955		
10,800.00	7,132.29	7,142.29	7,142.29	111.19	247.61	89.77	323.76	-5,575.53	3,590.66	3,280.85	309.80	11.590		
10,900.00	7,132.53	7,142.53	7,142.53	113.88	247.62	89.78	323.76	-5,575.53	3,505.19	3,193.01	312.18	11.228		
11,000.00	7,132.77	7,142.77	7,142.77	116.58	247.63	89.78	323.76	-5,575.53	3,420.51	3,105.81	314.70	10.869		
11,100.00	7,133.01	7,143.01	7,143.01	119.29	247.64	89.79	323.76	-5,575.53	3,336.68	3,019.30	317.38	10.513		
11,200.00	7,133.25	7,143.25	7,143.25	122.01	247.65	89.80	323.76	-5,575.53	3,253.76	2,933.55	320.21	10.161		
11,300.00	7,133.49	7,143.49	7,143.49	124.73	247.66	89.81	323.76	-5,575.53	3,171.82	2,848.61	323.21	9.813		
11,400.00	7,133.73	7,143.73	7,143.73	127.46	247.66	89.81	323.76	-5,575.53	3,090.95	2,764.57	326.38	9.470		
11,500.00	7,133.97	7,143.97	7,143.97	130.19	247.67	89.82	323.76	-5,575.53	3,011.23	2,681.50	329.73	9.132		
11,600.00	7,134.21	7,144.21	7,144.21	132.93	247.68	89.83	323.76	-5,575.53	2,932.76	2,599.49	333.26	8.800		
11,700.00	7,134.45	7,144.45	7,144.45	135.68	247.69	89.84	323.76	-5,575.53	2,855.62	2,518.64	336.98	8.474		
11,800.00	7,134.69	7,144.69	7,144.69	138.43	247.70	89.84	323.76	-5,575.53	2,779.95	2,439.05	340.90	8.155		
11,900.00	7,134.93	7,144.93	7,144.93	141.18	247.71	89.85	323.76	-5,575.53	2,705.85	2,360.84	345.02	7.843		
12,000.00	7,135.17	7,145.17	7,145.17	143.94	247.71	89.86	323.76	-5,575.53	2,633.47	2,284.14	349.33	7.539		
12,100.00	7,135.41	7,145.41	7,145.41	146.70	247.72	89.87	323.76	-5,575.53	2,562.95	2,209.10	353.85	7.243		
12,200.00	7,135.65	7,145.65	7,145.65	149.46	247.73	89.87	323.76	-5,575.53	2,494.44	2,135.87	358.57	6.957		
12,300.00	7,135.89	7,145.89	7,145.89	152.23	247.74	89.88	323.76	-5,575.53	2,428.12	2,064.64	363.48	6.680		
12,400.00	7,136.13	7,146.13	7,146.13	155.00	247.75	89.89	323.76	-5,575.53	2,364.17	1,995.59	368.58	6.414		
12,500.00	7,136.37	7,146.37	7,146.37	157.78	247.76	89.90	323.76	-5,575.53	2,302.78	1,928.93	373.86	6.160		
12,600.00	7,136.61	7,146.61	7,146.61	160.55	247.76	89.90	323.76	-5,575.53	2,244.18	1,864.89	379.29	5.917		
12,700.00	7,136.85	7,146.85	7,146.85	163.33	247.77	89.91	323.76	-5,575.53	2,188.58	1,803.72	384.85	5.687		
12,800.00	7,137.09	7,147.09	7,147.09	166.12	247.78	89.92	323.76	-5,575.53	2,136.21	1,745.69	390.52	5.470		
12,900.00	7,137.33	7,147.33	7,147.33	168.90	247.79	89.93	323.76	-5,575.53	2,087.33	1,691.07	396.26	5.268		
13,000.00	7,137.57	7,147.57	7,147.57	171.69	247.80	89.93	323.76	-5,575.53	2,042.17	1,640.15	402.02	5.080		
13,100.00	7,137.81	7,147.81	7,147.81	174.48	247.81	89.94	323.76	-5,575.53	2,001.00	1,593.25	407.75	4.907		
13,200.00	7,138.05	7,148.05	7,148.05	177.27	247.82	89.95	323.76	-5,575.53	1,964.06	1,550.67	413.38	4.751		
13,300.00	7,138.29	7,148.29	7,148.29	180.07	247.82	89.96	323.76	-5,575.53	1,931.59	1,512.72	418.87	4.611		
13,400.00	7,138.53	7,148.53	7,148.53	182.86	247.83	89.96	323.76	-5,575.53	1,903.83	1,479.70	424.13	4.489		
13,500.00	7,138.77	7,148.77	7,148.77	185.66	247.84	89.97	323.76	-5,575.53	1,880.98	1,451.89	429.10	4.384		
13,600.00	7,139.01	7,149.01	7,149.01	188.46	247.85	89.98	323.76	-5,575.53	1,863.23	1,429.53	433.70	4.296		
13,700.00	7,139.25	7,149.25	7,149.25	191.26	247.86	89.99	323.76	-5,575.53	1,850.72	1,412.84	437.88	4.227		
13,800.00	7,139.49	7,149.49	7,149.49	194.06	247.87	89.99	323.76	-5,575.53	1,843.55	1,401.98	441.57	4.175		
13,882.37	7,139.68	7,149.68	7,149.68	196.38	247.87	90.00	323.76	-5,575.53	1,841.71	1,397.49	444.22	4.146 CC		
13,900.00	7,139.73	7,149.73	7,149.73	196.87	247.87	90.00	323.76	-5,575.53	1,841.79	1,397.05	444.74	4.141 ES		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,149.97	7,149.97	199.68	247.88	90.01	323.76	-5,575.53	1,845.46	1,398.12	447.34	4.125 SF		
14,100.00	7,140.21	7,150.21	7,150.21	202.48	247.89	90.02	323.76	-5,575.53	1,854.52	1,405.15	449.37	4.127		
14,200.00	7,140.45	7,150.45	7,150.45	205.29	247.90	90.02	323.76	-5,575.53	1,868.90	1,418.08	450.82	4.146		
14,300.00	7,140.69	7,150.69	7,150.69	208.10	247.91	90.03	323.76	-5,575.53	1,888.47	1,436.76	451.71	4.181		
14,400.00	7,140.93	7,150.93	7,150.93	210.91	247.92	90.04	323.76	-5,575.53	1,913.07	1,461.02	452.05	4.232		
14,500.00	7,141.17	7,151.17	7,151.17	213.73	247.92	90.05	323.76	-5,575.53	1,942.51	1,490.62	451.90	4.299		
14,600.00	7,141.41	7,151.41	7,151.41	216.54	247.93	90.05	323.76	-5,575.53	1,976.58	1,525.30	451.29	4.380		
14,700.00	7,141.65	7,151.65	7,151.65	219.36	247.94	90.06	323.76	-5,575.53	2,015.05	1,564.77	450.27	4.475		
14,800.00	7,141.89	7,151.89	7,151.89	222.17	247.95	90.07	323.76	-5,575.53	2,057.65	1,608.75	448.90	4.584		
14,900.00	7,142.13	7,152.13	7,152.13	224.99	247.96	90.08	323.76	-5,575.53	2,104.15	1,656.92	447.24	4.705		
15,000.00	7,142.36	7,152.36	7,152.36	227.81	247.97	90.08	323.76	-5,575.53	2,154.30	1,708.97	445.32	4.838		
15,100.00	7,142.60	7,152.60	7,152.60	230.63	247.97	90.09	323.76	-5,575.53	2,207.83	1,764.62	443.21	4.982		
15,200.00	7,142.84	7,152.84	7,152.84	233.45	247.98	90.10	323.76	-5,575.53	2,264.52	1,823.58	440.93	5.136		
15,300.00	7,143.08	7,153.08	7,153.08	236.27	247.99	90.11	323.76	-5,575.53	2,324.13	1,885.58	438.54	5.300		
15,400.00	7,143.32	7,153.32	7,153.32	239.09	248.00	90.11	323.76	-5,575.53	2,386.44	1,950.36	436.07	5.473		
15,500.00	7,143.56	7,153.56	7,153.56	241.91	248.01	90.12	323.76	-5,575.53	2,451.25	2,017.70	433.55	5.654		
15,600.00	7,143.80	7,153.80	7,153.80	244.73	248.02	90.13	323.76	-5,575.53	2,518.36	2,087.36	431.00	5.843		
15,700.00	7,144.04	7,154.04	7,154.04	247.56	248.02	90.14	323.76	-5,575.53	2,587.60	2,159.16	428.44	6.040		
15,800.00	7,144.28	7,154.28	7,154.28	250.38	248.03	90.14	323.76	-5,575.53	2,658.79	2,232.90	425.90	6.243		
15,900.00	7,144.52	7,154.52	7,154.52	253.21	248.04	90.15	323.76	-5,575.53	2,731.80	2,308.42	423.38	6.452		
16,000.00	7,144.76	7,154.76	7,154.76	256.03	248.05	90.16	323.76	-5,575.53	2,806.46	2,385.57	420.89	6.668		
16,100.00	7,145.00	7,155.00	7,155.00	258.86	248.06	90.17	323.76	-5,575.53	2,882.67	2,464.21	418.46	6.889		
16,200.00	7,145.24	7,155.24	7,155.24	261.69	248.07	90.17	323.76	-5,575.53	2,960.28	2,544.21	416.07	7.115		
16,300.00	7,145.48	7,155.48	7,155.48	264.52	248.07	90.18	323.76	-5,575.53	3,039.21	2,625.46	413.75	7.346		
16,400.00	7,145.72	7,155.72	7,155.72	267.35	248.08	90.19	323.76	-5,575.53	3,119.35	2,707.86	411.49	7.581		
16,500.00	7,145.96	7,155.96	7,155.96	270.18	248.09	90.20	323.76	-5,575.53	3,200.60	2,791.32	409.29	7.820		
16,600.00	7,146.20	7,156.20	7,156.20	273.01	248.10	90.20	323.76	-5,575.53	3,282.89	2,875.74	407.15	8.063		
16,700.00	7,146.44	7,156.44	7,156.44	275.84	248.11	90.21	323.76	-5,575.53	3,366.14	2,961.06	405.09	8.310		
16,800.00	7,146.68	7,156.68	7,156.68	278.67	248.12	90.22	323.76	-5,575.53	3,450.28	3,047.20	403.08	8.560		
16,900.00	7,146.92	7,156.92	7,156.92	281.50	248.12	90.23	323.76	-5,575.53	3,535.24	3,134.10	401.15	8.813		
17,000.00	7,147.16	7,157.16	7,157.16	284.33	248.13	90.23	323.76	-5,575.53	3,620.98	3,221.70	399.28	9.069		
17,100.00	7,147.40	7,157.40	7,157.40	287.16	248.14	90.24	323.76	-5,575.53	3,707.42	3,309.96	397.47	9.328		
17,200.00	7,147.64	7,157.64	7,157.64	290.00	248.15	90.25	323.76	-5,575.53	3,794.54	3,398.81	395.72	9.589		
17,300.00	7,147.88	7,157.88	7,157.88	292.83	248.16	90.25	323.76	-5,575.53	3,882.27	3,488.23	394.04	9.853		
17,400.00	7,148.12	7,158.12	7,158.12	295.66	248.17	90.26	323.76	-5,575.53	3,970.59	3,578.18	392.41	10.118		
17,500.00	7,148.36	7,158.36	7,158.36	298.50	248.17	90.27	323.76	-5,575.53	4,059.44	3,668.60	390.84	10.386		
17,600.00	7,148.60	7,158.60	7,158.60	301.33	248.18	90.28	323.76	-5,575.53	4,148.81	3,759.48	389.33	10.656		
17,700.00	7,148.84	7,158.84	7,158.84	304.17	248.19	90.28	323.76	-5,575.53	4,238.65	3,850.78	387.86	10.928		
17,800.00	7,149.08	7,159.08	7,159.08	307.00	248.20	90.29	323.76	-5,575.53	4,328.93	3,942.48	386.45	11.202		
17,900.00	7,149.32	7,159.32	7,159.32	309.84	248.21	90.30	323.76	-5,575.53	4,419.64	4,034.54	385.09	11.477		
18,000.00	7,149.56	7,159.56	7,159.56	312.68	248.22	90.31	323.76	-5,575.53	4,510.73	4,126.95	383.78	11.753		
18,100.00	7,149.80	7,159.80	7,159.80	315.51	248.23	90.31	323.76	-5,575.53	4,602.20	4,219.69	382.51	12.032		
18,200.00	7,150.04	7,160.04	7,160.04	318.35	248.23	90.32	323.76	-5,575.53	4,694.01	4,312.73	381.29	12.311		
18,300.00	7,150.28	7,160.28	7,160.28	321.19	248.24	90.33	323.76	-5,575.53	4,786.15	4,406.05	380.10	12.592		
18,400.00	7,150.52	7,160.52	7,160.52	324.03	248.25	90.34	323.76	-5,575.53	4,878.60	4,499.64	378.96	12.874		
18,500.00	7,150.76	7,160.76	7,160.76	326.86	248.26	90.34	323.76	-5,575.53	4,971.35	4,593.49	377.86	13.157		
18,600.00	7,151.00	7,161.00	7,161.00	329.70	248.27	90.35	323.76	-5,575.53	5,064.37	4,687.58	376.79	13.441		
18,700.00	7,151.24	7,161.24	7,161.24	332.54	248.28	90.36	323.76	-5,575.53	5,157.65	4,781.89	375.76	13.726		
18,800.00	7,151.48	7,161.48	7,161.48	335.38	248.28	90.37	323.76	-5,575.53	5,251.18	4,876.41	374.76	14.012		
18,900.00	7,151.72	7,161.72	7,161.72	338.22	248.29	90.37	323.76	-5,575.53	5,344.94	4,971.14	373.80	14.299		
19,000.00	7,151.96	7,161.96	7,161.96	341.06	248.30	90.38	323.76	-5,575.53	5,438.93	5,066.05	372.87	14.587		
19,018.30	7,152.00	7,162.00	7,162.00	341.58	248.30	90.38	323.76	-5,575.53	5,456.15	5,083.44	372.70	14.639		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	16.00	16.00	3.28	3.29	-87.36	148.84	-3,230.93	3,234.36					
100.00	100.00	116.00	116.00	3.28	4.01	-87.36	148.84	-3,230.93	3,234.36	3,227.06	7.29	443.483		
200.00	200.00	216.00	216.00	3.34	6.66	-87.36	148.84	-3,230.93	3,234.36	3,224.36	10.00	323.567		
300.00	299.98	315.98	315.98	3.44	9.85	135.39	148.84	-3,230.93	3,235.60	3,222.31	13.29	243.496		
400.00	399.84	415.84	415.84	3.59	13.19	135.40	148.84	-3,230.93	3,239.33	3,222.55	16.78	193.065		
500.00	499.45	515.45	515.45	3.80	16.58	135.42	148.84	-3,230.93	3,245.55	3,225.18	20.37	159.330		
600.00	598.70	614.70	614.70	4.04	19.98	135.45	148.84	-3,230.93	3,254.26	3,230.24	24.02	135.468		
700.00	697.47	713.47	713.47	4.32	23.39	135.49	148.84	-3,230.93	3,265.48	3,237.77	27.71	117.828		
800.00	795.62	811.62	811.62	4.65	26.79	135.52	148.84	-3,230.93	3,279.22	3,247.79	31.43	104.333		
900.00	893.06	909.06	909.06	5.01	30.17	135.56	148.84	-3,230.93	3,295.48	3,260.32	35.16	93.725		
1,000.00	989.64	1,005.64	1,005.64	5.42	33.52	135.60	148.84	-3,230.93	3,314.28	3,275.38	38.90	85.205		
1,044.50	1,032.32	1,048.32	1,048.32	5.61	35.01	135.62	148.84	-3,230.93	3,323.46	3,282.90	40.56	81.934		
1,100.00	1,085.43	1,101.43	1,101.43	5.86	36.85	135.81	148.84	-3,230.93	3,335.25	3,292.61	42.64	78.224		
1,200.00	1,181.11	1,202.89	1,197.11	6.33	40.38	136.15	148.84	-3,230.93	3,356.58	3,309.99	46.59	72.044		
1,300.00	1,276.80	1,307.20	1,292.80	6.81	44.01	136.48	148.84	-3,230.93	3,378.03	3,327.37	50.66	66.679		
1,400.00	1,372.49	1,388.49	1,388.49	7.31	46.84	136.82	148.84	-3,230.93	3,399.59	3,345.64	53.94	63.020		
1,500.00	1,468.17	1,484.17	1,484.17	7.83	50.17	137.14	148.84	-3,230.93	3,421.26	3,363.52	57.74	59.252		
1,600.00	1,563.86	1,579.86	1,579.86	8.35	53.51	137.46	148.84	-3,230.93	3,443.04	3,381.49	61.55	55.943		
1,700.00	1,659.55	1,675.55	1,675.55	8.88	56.84	137.78	148.84	-3,230.93	3,464.93	3,399.57	65.36	53.014		
1,800.00	1,755.23	1,771.23	1,771.23	9.42	60.18	138.10	148.84	-3,230.93	3,486.92	3,417.74	69.18	50.406		
1,900.00	1,850.92	1,866.92	1,866.92	9.97	63.51	138.41	148.84	-3,230.93	3,509.01	3,436.01	73.00	48.068		
2,000.00	1,946.61	1,962.61	1,962.61	10.52	66.85	138.72	148.84	-3,230.93	3,531.21	3,454.38	76.83	45.962		
2,100.00	2,042.29	2,058.29	2,058.29	11.07	70.19	139.02	148.84	-3,230.93	3,553.50	3,472.84	80.66	44.056		
2,200.00	2,137.98	2,153.98	2,153.98	11.63	73.52	139.32	148.84	-3,230.93	3,575.89	3,491.40	84.49	42.322		
2,300.00	2,233.67	2,249.67	2,249.67	12.19	76.86	139.61	148.84	-3,230.93	3,598.38	3,510.05	88.33	40.738		
2,400.00	2,329.35	2,345.35	2,345.35	12.76	80.20	139.91	148.84	-3,230.93	3,620.96	3,528.79	92.17	39.287		
2,500.00	2,425.04	2,441.04	2,441.04	13.32	83.54	140.20	148.84	-3,230.93	3,643.63	3,547.62	96.01	37.952		
2,600.00	2,520.72	2,536.72	2,536.72	13.89	86.87	140.48	148.84	-3,230.93	3,666.39	3,566.54	99.85	36.720		
2,700.00	2,616.41	2,632.41	2,632.41	14.46	90.21	140.76	148.84	-3,230.93	3,689.24	3,585.55	103.69	35.580		
2,800.00	2,712.10	2,728.10	2,728.10	15.03	93.55	141.04	148.84	-3,230.93	3,712.17	3,604.64	107.53	34.522		
2,900.00	2,807.78	2,823.78	2,823.78	15.60	96.89	141.32	148.84	-3,230.93	3,735.20	3,623.82	111.37	33.537		
3,000.00	2,903.47	2,919.47	2,919.47	16.18	100.23	141.59	148.84	-3,230.93	3,758.30	3,643.08	115.22	32.619		
3,100.00	2,999.16	3,015.16	3,015.16	16.75	103.57	141.86	148.84	-3,230.93	3,781.49	3,662.43	119.06	31.760		
3,200.00	3,094.84	3,110.84	3,110.84	17.33	106.90	142.13	148.84	-3,230.93	3,804.76	3,681.85	122.91	30.956		
3,300.00	3,190.53	3,206.53	3,206.53	17.90	110.24	142.39	148.84	-3,230.93	3,828.10	3,701.35	126.75	30.201		
3,400.00	3,286.22	3,302.22	3,302.22	18.48	113.58	142.65	148.84	-3,230.93	3,851.53	3,720.93	130.60	29.492		
3,500.00	3,381.90	3,402.10	3,397.90	19.06	117.07	142.90	148.84	-3,230.93	3,875.03	3,740.44	134.59	28.792		
3,600.00	3,477.59	3,506.41	3,493.59	19.64	120.71	143.16	148.84	-3,230.93	3,898.60	3,759.87	138.74	28.101		
3,700.00	3,573.28	3,589.28	3,589.28	20.22	123.60	143.41	148.84	-3,230.93	3,922.25	3,780.12	142.13	27.596		
3,800.00	3,668.96	3,684.96	3,684.96	20.80	126.94	143.66	148.84	-3,230.93	3,945.97	3,800.00	145.98	27.031		
3,900.00	3,764.65	3,780.65	3,780.65	21.38	130.28	143.90	148.84	-3,230.93	3,969.77	3,819.94	149.82	26.496		
4,000.00	3,860.33	3,876.33	3,876.33	21.96	133.62	144.14	148.84	-3,230.93	3,993.63	3,839.96	153.67	25.989		
4,100.00	3,956.02	3,972.02	3,972.02	22.54	136.96	144.38	148.84	-3,230.93	4,017.56	3,860.05	157.51	25.506		
4,200.00	4,051.71	4,067.71	4,067.71	23.13	140.30	144.62	148.84	-3,230.93	4,041.56	3,880.20	161.36	25.047		
4,300.00	4,147.39	4,163.39	4,163.39	23.71	143.64	144.85	148.84	-3,230.93	4,065.62	3,900.42	165.20	24.610		
4,400.00	4,243.08	4,259.08	4,259.08	24.29	146.98	145.08	148.84	-3,230.93	4,089.75	3,920.70	169.05	24.193		
4,500.00	4,338.77	4,354.77	4,354.77	24.88	150.32	145.31	148.84	-3,230.93	4,113.94	3,941.05	172.89	23.795		
4,600.00	4,434.45	4,450.45	4,450.45	25.46	153.66	145.54	148.84	-3,230.93	4,138.19	3,961.46	176.73	23.415		
4,700.00	4,530.14	4,546.14	4,546.14	26.04	156.99	145.76	148.84	-3,230.93	4,162.51	3,981.93	180.58	23.051		
4,800.00	4,625.83	4,641.83	4,641.83	26.63	160.33	145.98	148.84	-3,230.93	4,186.88	4,002.47	184.42	22.703		
4,900.00	4,721.51	4,737.51	4,737.51	27.21	163.67	146.20	148.84	-3,230.93	4,211.32	4,023.06	188.26	22.369		
5,000.00	4,817.20	4,833.20	4,833.20	27.80	167.01	146.42	148.84	-3,230.93	4,235.81	4,043.71	192.10	22.050		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,928.89	4,928.89	28.38	170.35	146.63	148.84	-3,230.93	4,260.37	4,064.42	195.95	21.742		
5,200.00	5,008.57	5,024.57	5,024.57	28.97	173.69	146.84	148.84	-3,230.93	4,284.97	4,085.18	199.79	21.448		
5,300.00	5,104.26	5,120.26	5,120.26	29.55	177.03	147.05	148.84	-3,230.93	4,309.64	4,106.01	203.63	21.164		
5,400.00	5,199.94	5,215.94	5,215.94	30.14	180.37	147.26	148.84	-3,230.93	4,334.35	4,126.88	207.47	20.891		
5,500.00	5,295.63	5,311.63	5,311.63	30.72	183.71	147.46	148.84	-3,230.93	4,359.12	4,147.81	211.31	20.629		
5,600.00	5,391.32	5,407.32	5,407.32	31.31	187.05	147.66	148.84	-3,230.93	4,383.95	4,168.79	215.15	20.376		
5,700.00	5,487.00	5,503.00	5,503.00	31.90	190.39	147.86	148.84	-3,230.93	4,408.82	4,189.83	218.99	20.132		
5,800.00	5,582.69	5,601.31	5,598.69	32.48	193.82	148.06	148.84	-3,230.93	4,433.75	4,210.82	222.93	19.889		
5,900.00	5,678.38	5,705.62	5,694.38	33.07	197.47	148.25	148.84	-3,230.93	4,458.72	4,231.66	227.07	19.636		
6,000.00	5,774.06	5,809.94	5,790.06	33.65	201.11	148.45	148.84	-3,230.93	4,483.75	4,252.54	231.21	19.393		
6,100.00	5,869.75	5,885.75	5,885.75	34.24	203.75	148.64	148.84	-3,230.93	4,508.82	4,274.47	234.36	19.239		
6,200.00	5,965.44	5,981.44	5,981.44	34.83	207.09	148.83	148.84	-3,230.93	4,533.94	4,295.75	238.19	19.035		
6,300.00	6,061.12	6,077.12	6,077.12	35.41	210.43	149.01	148.84	-3,230.93	4,559.11	4,317.08	242.03	18.837		
6,400.00	6,156.81	6,172.81	6,172.81	36.00	213.77	149.20	148.84	-3,230.93	4,584.32	4,338.45	245.87	18.645		
6,500.00	6,252.50	6,268.50	6,268.50	36.59	217.11	149.38	148.84	-3,230.93	4,609.58	4,359.87	249.71	18.460		
6,600.00	6,348.18	6,364.18	6,364.18	37.18	220.45	149.56	148.84	-3,230.93	4,634.89	4,381.34	253.55	18.280		
6,636.04	6,382.67	6,401.33	6,398.67	37.39	221.75	149.63	148.84	-3,230.93	4,644.02	4,388.99	255.03	18.210		
6,650.00	6,396.05	6,412.05	6,412.05	37.47	222.12	146.27	148.84	-3,230.93	4,647.41	4,391.94	255.47	18.192		
6,700.00	6,444.38	6,460.38	6,460.38	37.74	223.81	131.49	148.84	-3,230.93	4,657.27	4,399.87	257.40	18.094		
6,750.00	6,493.07	6,509.07	6,509.07	37.98	225.51	112.78	148.84	-3,230.93	4,663.46	4,404.14	259.32	17.983		
6,800.00	6,541.82	6,557.82	6,557.82	38.18	227.21	93.22	148.84	-3,230.93	4,665.96	4,404.73	261.23	17.862		
6,850.00	6,590.35	6,606.35	6,606.35	38.35	228.91	76.83	148.84	-3,230.93	4,664.77	4,401.67	263.10	17.730		
6,900.00	6,638.34	6,654.34	6,654.34	38.50	230.58	64.98	148.84	-3,230.93	4,659.90	4,394.98	264.92	17.590		
6,950.00	6,685.50	6,701.50	6,701.50	38.64	232.23	56.88	148.84	-3,230.93	4,651.39	4,384.70	266.69	17.441		
7,000.00	6,731.54	6,747.54	6,747.54	38.77	233.83	51.40	148.84	-3,230.93	4,639.30	4,370.91	268.39	17.286		
7,050.00	6,776.18	6,802.82	6,792.18	38.90	235.94	47.74	148.84	-3,230.93	4,623.72	4,353.16	270.56	17.089		
7,100.00	6,819.14	6,835.14	6,835.14	39.03	236.89	45.35	148.84	-3,230.93	4,604.75	4,333.19	271.56	16.957		
7,150.00	6,860.16	6,876.16	6,876.16	39.16	238.32	43.93	148.84	-3,230.93	4,582.51	4,309.50	273.01	16.785		
7,200.00	6,898.98	6,914.98	6,914.98	39.31	239.68	43.28	148.84	-3,230.93	4,557.17	4,282.79	274.37	16.609		
7,250.00	6,935.36	6,951.36	6,951.36	39.47	240.95	43.29	148.84	-3,230.93	4,528.87	4,253.24	275.64	16.431		
7,300.00	6,969.08	6,985.08	6,985.08	39.65	242.13	43.93	148.84	-3,230.93	4,497.81	4,221.01	276.79	16.250		
7,350.00	6,999.94	7,015.94	7,015.94	39.85	243.20	45.18	148.84	-3,230.93	4,464.18	4,186.33	277.85	16.067		
7,400.00	7,027.74	7,043.74	7,043.74	40.08	244.17	47.08	148.84	-3,230.93	4,428.19	4,149.39	278.79	15.883		
7,450.00	7,052.31	7,068.31	7,068.31	40.34	245.03	49.71	148.84	-3,230.93	4,390.07	4,110.44	279.63	15.700		
7,500.00	7,073.49	7,089.49	7,089.49	40.63	245.77	53.17	148.84	-3,230.93	4,350.06	4,069.71	280.35	15.517		
7,550.00	7,091.17	7,107.17	7,107.17	40.95	246.39	57.62	148.84	-3,230.93	4,308.40	4,027.44	280.96	15.335		
7,600.00	7,105.22	7,121.22	7,121.22	41.31	246.88	63.21	148.84	-3,230.93	4,265.36	3,983.90	281.46	15.155		
7,650.00	7,115.57	7,131.57	7,131.57	41.71	247.24	70.09	148.84	-3,230.93	4,221.20	3,939.35	281.84	14.977		
7,700.00	7,122.15	7,138.15	7,138.15	42.15	247.47	78.32	148.84	-3,230.93	4,176.18	3,894.06	282.12	14.803		
7,750.00	7,124.91	7,140.91	7,140.91	42.62	247.57	87.77	148.84	-3,230.93	4,130.58	3,848.30	282.28	14.633		
7,759.54	7,125.00	7,141.00	7,141.00	42.72	247.57	89.68	148.84	-3,230.93	4,121.83	3,839.54	282.30	14.601		
7,800.00	7,125.10	7,141.10	7,141.10	43.13	247.57	89.69	148.84	-3,230.93	4,084.76	3,802.39	282.37	14.466		
7,900.00	7,125.34	7,141.34	7,141.34	44.28	247.58	89.70	148.84	-3,230.93	3,993.41	3,710.83	282.58	14.132		
8,000.00	7,125.58	7,141.58	7,141.58	45.61	247.59	89.70	148.84	-3,230.93	3,902.49	3,619.62	282.87	13.796		
8,100.00	7,125.82	7,141.82	7,141.82	47.10	247.60	89.71	148.84	-3,230.93	3,812.02	3,528.79	283.23	13.459		
8,200.00	7,126.06	7,142.06	7,142.06	48.72	247.61	89.72	148.84	-3,230.93	3,722.04	3,438.37	283.67	13.121		
8,300.00	7,126.30	7,142.30	7,142.30	50.48	247.61	89.73	148.84	-3,230.93	3,632.58	3,348.39	284.19	12.782		
8,400.00	7,126.54	7,142.54	7,142.54	52.34	247.62	89.74	148.84	-3,230.93	3,543.69	3,258.87	284.82	12.442		
8,500.00	7,126.78	7,142.78	7,142.78	54.30	247.63	89.75	148.84	-3,230.93	3,455.40	3,169.85	285.55	12.101		
8,600.00	7,127.02	7,143.02	7,143.02	56.35	247.64	89.75	148.84	-3,230.93	3,367.77	3,081.37	286.40	11.759		
8,700.00	7,127.26	7,143.26	7,143.26	58.47	247.65	89.76	148.84	-3,230.93	3,280.85	2,993.48	287.36	11.417		
8,800.00	7,127.50	7,143.50	7,143.50	60.66	247.66	89.77	148.84	-3,230.93	3,194.69	2,906.22	288.47	11.075		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,143.74	7,143.74	62.90	247.66	89.78	148.84	-3,230.93	3,109.36	2,819.65	289.71	10.733		
9,000.00	7,127.98	7,143.98	7,143.98	65.19	247.67	89.79	148.84	-3,230.93	3,024.93	2,733.83	291.10	10.391		
9,100.00	7,128.22	7,144.22	7,144.22	67.53	247.68	89.80	148.84	-3,230.93	2,941.47	2,648.82	292.65	10.051		
9,200.00	7,128.46	7,144.46	7,144.46	69.92	247.69	89.80	148.84	-3,230.93	2,859.08	2,564.70	294.37	9.712		
9,300.00	7,128.70	7,144.70	7,144.70	72.33	247.70	89.81	148.84	-3,230.93	2,777.84	2,481.57	296.27	9.376		
9,400.00	7,128.94	7,144.94	7,144.94	74.78	247.71	89.82	148.84	-3,230.93	2,697.87	2,399.51	298.36	9.042		
9,500.00	7,129.18	7,145.18	7,145.18	77.26	247.71	89.83	148.84	-3,230.93	2,619.27	2,318.63	300.63	8.712		
9,600.00	7,129.42	7,145.42	7,145.42	79.76	247.72	89.84	148.84	-3,230.93	2,542.17	2,239.06	303.11	8.387		
9,700.00	7,129.66	7,145.66	7,145.66	82.29	247.73	89.85	148.84	-3,230.93	2,466.72	2,160.92	305.80	8.067		
9,800.00	7,129.90	7,145.90	7,145.90	84.84	247.74	89.85	148.84	-3,230.93	2,393.07	2,084.37	308.70	7.752		
9,900.00	7,130.14	7,146.14	7,146.14	87.41	247.75	89.86	148.84	-3,230.93	2,321.39	2,009.58	311.81	7.445		
10,000.00	7,130.38	7,146.38	7,146.38	90.00	247.76	89.87	148.84	-3,230.93	2,251.87	1,936.73	315.15	7.145		
10,100.00	7,130.62	7,146.62	7,146.62	92.60	247.77	89.88	148.84	-3,230.93	2,184.72	1,866.02	318.70	6.855		
10,200.00	7,130.86	7,146.86	7,146.86	95.22	247.77	89.89	148.84	-3,230.93	2,120.16	1,797.70	322.46	6.575		
10,300.00	7,131.09	7,147.09	7,147.09	97.85	247.78	89.90	148.84	-3,230.93	2,058.44	1,732.00	326.43	6.306		
10,400.00	7,131.33	7,147.33	7,147.33	100.50	247.79	89.90	148.84	-3,230.93	1,999.81	1,669.21	330.60	6.049		
10,500.00	7,131.57	7,147.57	7,147.57	103.16	247.80	89.91	148.84	-3,230.93	1,944.56	1,609.63	334.93	5.806		
10,600.00	7,131.81	7,147.81	7,147.81	105.82	247.81	89.92	148.84	-3,230.93	1,892.98	1,553.58	339.40	5.577		
10,700.00	7,132.05	7,148.05	7,148.05	108.50	247.82	89.93	148.84	-3,230.93	1,845.39	1,501.40	343.99	5.365		
10,800.00	7,132.29	7,148.29	7,148.29	111.19	247.82	89.94	148.84	-3,230.93	1,802.09	1,453.45	348.64	5.169		
10,900.00	7,132.53	7,148.53	7,148.53	113.88	247.83	89.95	148.84	-3,230.93	1,763.41	1,410.11	353.30	4.991		
11,000.00	7,132.77	7,148.77	7,148.77	116.58	247.84	89.95	148.84	-3,230.93	1,729.65	1,371.73	357.92	4.833		
11,100.00	7,133.01	7,149.01	7,149.01	119.29	247.85	89.96	148.84	-3,230.93	1,701.10	1,338.69	362.42	4.694		
11,200.00	7,133.25	7,149.25	7,149.25	122.01	247.86	89.97	148.84	-3,230.93	1,678.04	1,311.31	366.73	4.576		
11,300.00	7,133.49	7,149.49	7,149.49	124.73	247.87	89.98	148.84	-3,230.93	1,660.69	1,289.90	370.80	4.479		
11,400.00	7,133.73	7,149.73	7,149.73	127.46	247.87	89.99	148.84	-3,230.93	1,649.24	1,274.70	374.53	4.403		
11,500.00	7,133.97	7,149.97	7,149.97	130.19	247.88	90.00	148.84	-3,230.93	1,643.79	1,265.90	377.89	4.350		
11,539.63	7,134.07	7,150.07	7,150.07	131.28	247.89	90.00	148.84	-3,230.93	1,643.31	1,264.21	379.11	4.335 CC		
11,600.00	7,134.21	7,150.21	7,150.21	132.93	247.89	90.01	148.84	-3,230.93	1,644.42	1,263.60	380.82	4.318 ES		
11,700.00	7,134.45	7,150.45	7,150.45	135.68	247.90	90.01	148.84	-3,230.93	1,651.12	1,267.83	383.29	4.308 SF		
11,800.00	7,134.69	7,150.69	7,150.69	138.43	247.91	90.02	148.84	-3,230.93	1,663.81	1,278.54	385.27	4.319		
11,900.00	7,134.93	7,150.93	7,150.93	141.18	247.92	90.03	148.84	-3,230.93	1,682.36	1,295.59	386.77	4.350		
12,000.00	7,135.17	7,151.17	7,151.17	143.94	247.92	90.04	148.84	-3,230.93	1,706.58	1,318.77	387.81	4.401		
12,100.00	7,135.41	7,151.41	7,151.41	146.70	247.93	90.05	148.84	-3,230.93	1,736.23	1,347.83	388.40	4.470		
12,200.00	7,135.65	7,151.65	7,151.65	149.46	247.94	90.06	148.84	-3,230.93	1,771.03	1,382.44	388.59	4.558		
12,300.00	7,135.89	7,151.89	7,151.89	152.23	247.95	90.06	148.84	-3,230.93	1,810.70	1,422.28	388.42	4.662		
12,400.00	7,136.13	7,152.13	7,152.13	155.00	247.96	90.07	148.84	-3,230.93	1,854.91	1,466.98	387.94	4.781		
12,500.00	7,136.37	7,152.37	7,152.37	157.78	247.97	90.08	148.84	-3,230.93	1,903.36	1,516.17	387.19	4.916		
12,600.00	7,136.61	7,152.61	7,152.61	160.55	247.97	90.09	148.84	-3,230.93	1,955.72	1,569.50	386.22	5.064		
12,700.00	7,136.85	7,152.85	7,152.85	163.33	247.98	90.10	148.84	-3,230.93	2,011.70	1,626.62	385.07	5.224		
12,800.00	7,137.09	7,153.09	7,153.09	166.12	247.99	90.11	148.84	-3,230.93	2,070.99	1,687.20	383.79	5.396		
12,900.00	7,137.33	7,153.33	7,153.33	168.90	248.00	90.11	148.84	-3,230.93	2,133.32	1,750.93	382.40	5.579		
13,000.00	7,137.57	7,153.57	7,153.57	171.69	248.01	90.12	148.84	-3,230.93	2,198.44	1,817.51	380.93	5.771		
13,100.00	7,137.81	7,153.81	7,153.81	174.48	248.02	90.13	148.84	-3,230.93	2,266.10	1,886.68	379.42	5.973		
13,200.00	7,138.05	7,154.05	7,154.05	177.27	248.02	90.14	148.84	-3,230.93	2,336.08	1,958.21	377.88	6.182		
13,300.00	7,138.29	7,154.29	7,154.29	180.07	248.03	90.15	148.84	-3,230.93	2,408.18	2,031.86	376.32	6.399		
13,400.00	7,138.53	7,154.53	7,154.53	182.86	248.04	90.16	148.84	-3,230.93	2,482.22	2,107.45	374.77	6.623		
13,500.00	7,138.77	7,154.77	7,154.77	185.66	248.05	90.16	148.84	-3,230.93	2,558.03	2,184.79	373.24	6.854		
13,600.00	7,139.01	7,155.01	7,155.01	188.46	248.06	90.17	148.84	-3,230.93	2,635.44	2,263.72	371.72	7.090		
13,700.00	7,139.25	7,155.25	7,155.25	191.26	248.07	90.18	148.84	-3,230.93	2,714.34	2,344.10	370.24	7.331		
13,800.00	7,139.49	7,155.49	7,155.49	194.06	248.07	90.19	148.84	-3,230.93	2,794.59	2,425.80	368.79	7.578		
13,900.00	7,139.73	7,155.73	7,155.73	196.87	248.08	90.20	148.84	-3,230.93	2,876.07	2,508.69	367.38	7.829		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,155.97	7,155.97	199.68	248.09	90.21	148.84	-3,230.93	2,958.69	2,592.68	366.01	8.084		
14,100.00	7,140.21	7,156.21	7,156.21	202.48	248.10	90.21	148.84	-3,230.93	3,042.35	2,677.67	364.68	8.343		
14,200.00	7,140.45	7,156.45	7,156.45	205.29	248.11	90.22	148.84	-3,230.93	3,126.98	2,763.58	363.39	8.605		
14,300.00	7,140.69	7,156.69	7,156.69	208.10	248.12	90.23	148.84	-3,230.93	3,212.49	2,850.33	362.15	8.871		
14,400.00	7,140.93	7,156.93	7,156.93	210.91	248.12	90.24	148.84	-3,230.93	3,298.81	2,937.85	360.95	9.139		
14,500.00	7,141.17	7,157.17	7,157.17	213.73	248.13	90.25	148.84	-3,230.93	3,385.88	3,026.09	359.80	9.411		
14,600.00	7,141.41	7,157.41	7,157.41	216.54	248.14	90.26	148.84	-3,230.93	3,473.65	3,114.97	358.68	9.684		
14,700.00	7,141.65	7,157.65	7,157.65	219.36	248.15	90.26	148.84	-3,230.93	3,562.07	3,204.46	357.61	9.961		
14,800.00	7,141.89	7,157.89	7,157.89	222.17	248.16	90.27	148.84	-3,230.93	3,651.08	3,294.51	356.58	10.239		
14,900.00	7,142.13	7,158.13	7,158.13	224.99	248.17	90.28	148.84	-3,230.93	3,740.65	3,385.07	355.58	10.520		
15,000.00	7,142.36	7,158.36	7,158.36	227.81	248.18	90.29	148.84	-3,230.93	3,830.74	3,476.11	354.62	10.802		
15,100.00	7,142.60	7,158.60	7,158.60	230.63	248.18	90.30	148.84	-3,230.93	3,921.30	3,567.60	353.70	11.086		
15,200.00	7,142.84	7,158.84	7,158.84	233.45	248.19	90.31	148.84	-3,230.93	4,012.32	3,659.50	352.82	11.372		
15,300.00	7,143.08	7,159.08	7,159.08	236.27	248.20	90.31	148.84	-3,230.93	4,103.75	3,751.79	351.96	11.660		
15,400.00	7,143.32	7,159.32	7,159.32	239.09	248.21	90.32	148.84	-3,230.93	4,195.57	3,844.43	351.14	11.948		
15,500.00	7,143.56	7,159.56	7,159.56	241.91	248.22	90.33	148.84	-3,230.93	4,287.76	3,937.41	350.35	12.238		
15,600.00	7,143.80	7,159.80	7,159.80	244.73	248.23	90.34	148.84	-3,230.93	4,380.29	4,030.70	349.59	12.530		
15,700.00	7,144.04	7,160.04	7,160.04	247.56	248.23	90.35	148.84	-3,230.93	4,473.15	4,124.29	348.86	12.822		
15,800.00	7,144.28	7,160.28	7,160.28	250.38	248.24	90.36	148.84	-3,230.93	4,566.30	4,218.15	348.15	13.116		
15,900.00	7,144.52	7,160.52	7,160.52	253.21	248.25	90.36	148.84	-3,230.93	4,659.74	4,312.26	347.48	13.410		
16,000.00	7,144.76	7,160.76	7,160.76	256.03	248.26	90.37	148.84	-3,230.93	4,753.44	4,406.62	346.82	13.706		
16,100.00	7,145.00	7,161.00	7,161.00	258.86	248.27	90.38	148.84	-3,230.93	4,847.40	4,501.21	346.19	14.002		
16,200.00	7,145.24	7,161.24	7,161.24	261.69	248.28	90.39	148.84	-3,230.93	4,941.60	4,596.01	345.59	14.299		
16,300.00	7,145.48	7,161.48	7,161.48	264.52	248.28	90.40	148.84	-3,230.93	5,036.01	4,691.01	345.00	14.597		
16,400.00	7,145.72	7,161.72	7,161.72	267.35	248.29	90.41	148.84	-3,230.93	5,130.64	4,786.21	344.44	14.896		
16,500.00	7,145.96	7,161.96	7,161.96	270.18	248.30	90.41	148.84	-3,230.93	5,225.47	4,881.58	343.89	15.195		
16,600.00	7,146.20	7,162.20	7,162.20	273.01	248.31	90.42	148.84	-3,230.93	5,320.49	4,977.12	343.37	15.495		
16,700.00	7,146.44	7,162.44	7,162.44	275.84	248.32	90.43	148.84	-3,230.93	5,415.69	5,072.83	342.86	15.795		
16,800.00	7,146.68	7,162.68	7,162.68	278.67	248.33	90.44	148.84	-3,230.93	5,511.06	5,168.68	342.38	16.096		
16,900.00	7,146.92	7,162.92	7,162.92	281.50	248.33	90.45	148.84	-3,230.93	5,606.59	5,264.68	341.91	16.398		
17,000.00	7,147.16	7,163.16	7,163.16	284.33	248.34	90.46	148.84	-3,230.93	5,702.27	5,360.82	341.45	16.700		
17,100.00	7,147.40	7,163.40	7,163.40	287.16	248.35	90.46	148.84	-3,230.93	5,798.10	5,457.09	341.01	17.003		
17,200.00	7,147.64	7,163.64	7,163.64	290.00	248.36	90.47	148.84	-3,230.93	5,894.07	5,553.48	340.59	17.305		
17,300.00	7,147.88	7,163.88	7,163.88	292.83	248.37	90.48	148.84	-3,230.93	5,990.17	5,649.99	340.18	17.609		
17,400.00	7,148.12	7,164.12	7,164.12	295.66	248.38	90.49	148.84	-3,230.93	6,086.39	5,746.61	339.79	17.912		
17,500.00	7,148.36	7,164.36	7,164.36	298.50	248.38	90.50	148.84	-3,230.93	6,182.74	5,843.33	339.41	18.216		
17,600.00	7,148.60	7,164.60	7,164.60	301.33	248.39	90.51	148.84	-3,230.93	6,279.20	5,940.16	339.04	18.521		
17,700.00	7,148.84	7,164.84	7,164.84	304.17	248.40	90.52	148.84	-3,230.93	6,375.77	6,037.08	338.68	18.825		
17,800.00	7,149.08	7,165.08	7,165.08	307.00	248.41	90.52	148.84	-3,230.93	6,472.44	6,134.10	338.34	19.130		
17,900.00	7,149.32	7,165.32	7,165.32	309.84	248.42	90.53	148.84	-3,230.93	6,569.21	6,231.20	338.01	19.435		
18,000.00	7,149.56	7,165.56	7,165.56	312.68	248.43	90.54	148.84	-3,230.93	6,666.08	6,328.39	337.69	19.740		
18,100.00	7,149.80	7,165.80	7,165.80	315.51	248.43	90.55	148.84	-3,230.93	6,763.04	6,425.66	337.38	20.046		
18,200.00	7,150.04	7,166.04	7,166.04	318.35	248.44	90.56	148.84	-3,230.93	6,860.08	6,523.00	337.08	20.352		
18,300.00	7,150.28	7,166.28	7,166.28	321.19	248.45	90.57	148.84	-3,230.93	6,957.21	6,620.42	336.79	20.658		
18,400.00	7,150.52	7,166.52	7,166.52	324.03	248.46	90.57	148.84	-3,230.93	7,054.42	6,717.91	336.51	20.964		
18,500.00	7,150.76	7,166.76	7,166.76	326.86	248.47	90.58	148.84	-3,230.93	7,151.71	6,815.47	336.24	21.270		
18,600.00	7,151.00	7,167.00	7,167.00	329.70	248.48	90.59	148.84	-3,230.93	7,249.07	6,913.09	335.97	21.576		
18,700.00	7,151.24	7,167.24	7,167.24	332.54	248.48	90.60	148.84	-3,230.93	7,346.50	7,010.78	335.72	21.883		
18,800.00	7,151.48	7,167.48	7,167.48	335.38	248.49	90.61	148.84	-3,230.93	7,444.00	7,108.52	335.48	22.189		
18,900.00	7,151.72	7,167.72	7,167.72	338.22	248.50	90.62	148.84	-3,230.93	7,541.56	7,206.32	335.24	22.496		
19,000.00	7,151.96	7,167.96	7,167.96	341.06	248.51	90.62	148.84	-3,230.93	7,639.19	7,304.18	335.01	22.803		
19,018.30	7,152.00	7,168.00	7,168.00	341.58	248.51	90.63	148.84	-3,230.93	7,657.06	7,322.09	334.97	22.859		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	-109.38	-1,028.27	-2,923.22	3,098.80					
100.00	100.00	102.00	98.00	3.28	3.75	-109.38	-1,028.27	-2,923.22	3,098.80	3,091.76	7.03	440.574		
200.00	200.00	202.00	198.00	3.34	6.24	-109.38	-1,028.27	-2,923.22	3,098.80	3,089.22	9.58	323.625		
300.00	299.98	302.02	297.98	3.44	9.39	-113.39	-1,028.27	-2,923.22	3,099.49	3,086.66	12.83	241.585		
400.00	399.84	402.16	397.84	3.59	12.72	-113.44	-1,028.27	-2,923.22	3,101.57	3,085.25	16.32	190.100		
500.00	499.45	502.55	497.45	3.80	16.14	-113.52	-1,028.27	-2,923.22	3,105.05	3,085.13	19.93	155.823		
600.00	598.70	603.30	596.70	4.04	19.59	-113.64	-1,028.27	-2,923.22	3,109.96	3,086.33	23.63	131.621		
700.00	697.47	704.53	695.47	4.32	23.08	-113.78	-1,028.27	-2,923.22	3,116.32	3,088.91	27.41	113.709		
800.00	795.62	806.38	793.62	4.65	26.61	-113.95	-1,028.27	-2,923.22	3,124.16	3,092.90	31.25	99.958		
900.00	893.06	908.94	891.06	5.01	30.16	-114.15	-1,028.27	-2,923.22	3,133.52	3,098.35	35.17	89.089		
1,000.00	989.64	987.64	987.64	5.42	32.90	-114.37	-1,028.27	-2,923.22	3,144.47	3,106.16	38.30	82.093		
1,044.50	1,032.32	1,030.32	1,030.32	5.61	34.38	-114.47	-1,028.27	-2,923.22	3,149.86	3,109.88	39.98	78.795		
1,100.00	1,085.43	1,083.43	1,083.43	5.86	36.23	-114.72	-1,028.27	-2,923.22	3,156.82	3,114.75	42.06	75.049		
1,200.00	1,181.11	1,179.11	1,179.11	6.33	39.55	-115.19	-1,028.27	-2,923.22	3,169.52	3,123.68	45.84	69.136		
1,300.00	1,276.80	1,274.80	1,274.80	6.81	42.88	-115.64	-1,028.27	-2,923.22	3,182.44	3,132.80	49.65	64.103		
1,400.00	1,372.49	1,370.49	1,370.49	7.31	46.21	-116.10	-1,028.27	-2,923.22	3,195.58	3,142.12	53.46	59.774		
1,500.00	1,468.17	1,466.17	1,466.17	7.83	49.55	-116.55	-1,028.27	-2,923.22	3,208.92	3,151.63	57.29	56.012		
1,600.00	1,563.86	1,561.86	1,561.86	8.35	52.88	-116.99	-1,028.27	-2,923.22	3,222.47	3,161.34	61.13	52.718		
1,700.00	1,659.55	1,657.55	1,657.55	8.88	56.22	-117.43	-1,028.27	-2,923.22	3,236.22	3,171.25	64.97	49.809		
1,800.00	1,755.23	1,753.23	1,753.23	9.42	59.55	-117.87	-1,028.27	-2,923.22	3,250.18	3,181.35	68.82	47.224		
1,900.00	1,850.92	1,848.92	1,848.92	9.97	62.89	-118.31	-1,028.27	-2,923.22	3,264.33	3,191.65	72.68	44.913		
2,000.00	1,946.61	1,944.61	1,944.61	10.52	66.22	-118.74	-1,028.27	-2,923.22	3,278.68	3,202.14	76.54	42.835		
2,100.00	2,042.29	2,040.29	2,040.29	11.07	69.56	-119.17	-1,028.27	-2,923.22	3,293.22	3,212.82	80.41	40.958		
2,200.00	2,137.98	2,135.98	2,135.98	11.63	72.90	-119.60	-1,028.27	-2,923.22	3,307.96	3,223.69	84.27	39.254		
2,300.00	2,233.67	2,231.67	2,231.67	12.19	76.23	-120.02	-1,028.27	-2,923.22	3,322.88	3,234.74	88.14	37.700		
2,400.00	2,329.35	2,327.35	2,327.35	12.76	79.57	-120.44	-1,028.27	-2,923.22	3,337.99	3,245.98	92.01	36.278		
2,500.00	2,425.04	2,423.04	2,423.04	13.32	82.91	-120.85	-1,028.27	-2,923.22	3,353.29	3,257.40	95.88	34.973		
2,600.00	2,520.72	2,518.72	2,518.72	13.89	86.25	-121.26	-1,028.27	-2,923.22	3,368.76	3,269.01	99.75	33.770		
2,700.00	2,616.41	2,614.41	2,614.41	14.46	89.58	-121.67	-1,028.27	-2,923.22	3,384.41	3,280.79	103.63	32.659		
2,800.00	2,712.10	2,710.10	2,710.10	15.03	92.92	-122.07	-1,028.27	-2,923.22	3,400.24	3,292.74	107.50	31.630		
2,900.00	2,807.78	2,805.78	2,805.78	15.60	96.26	-122.47	-1,028.27	-2,923.22	3,416.25	3,304.87	111.38	30.673		
3,000.00	2,903.47	2,901.47	2,901.47	16.18	99.60	-122.87	-1,028.27	-2,923.22	3,432.42	3,317.17	115.25	29.782		
3,100.00	2,999.16	2,997.16	2,997.16	16.75	103.14	-123.26	-1,028.27	-2,923.22	3,448.77	3,329.44	119.32	28.903		
3,200.00	3,094.84	3,107.16	3,092.84	17.33	106.78	-123.65	-1,028.27	-2,923.22	3,465.28	3,341.78	123.50	28.059		
3,300.00	3,190.53	3,188.53	3,188.53	17.90	109.62	-124.04	-1,028.27	-2,923.22	3,481.95	3,355.08	126.87	27.444		
3,400.00	3,286.22	3,284.22	3,284.22	18.48	112.95	-124.42	-1,028.27	-2,923.22	3,498.79	3,368.04	130.75	26.760		
3,500.00	3,381.90	3,379.90	3,379.90	19.06	116.29	-124.80	-1,028.27	-2,923.22	3,515.78	3,381.16	134.62	26.116		
3,600.00	3,477.59	3,475.59	3,475.59	19.64	119.63	-125.18	-1,028.27	-2,923.22	3,532.93	3,394.44	138.49	25.510		
3,700.00	3,573.28	3,571.28	3,571.28	20.22	122.97	-125.55	-1,028.27	-2,923.22	3,550.24	3,407.88	142.37	24.937		
3,800.00	3,668.96	3,666.96	3,666.96	20.80	126.31	-125.92	-1,028.27	-2,923.22	3,567.70	3,421.46	146.24	24.397		
3,900.00	3,764.65	3,762.65	3,762.65	21.38	129.65	-126.28	-1,028.27	-2,923.22	3,585.31	3,435.20	150.11	23.885		
4,000.00	3,860.33	3,858.33	3,858.33	21.96	132.99	-126.65	-1,028.27	-2,923.22	3,603.07	3,449.09	153.98	23.400		
4,100.00	3,956.02	3,954.02	3,954.02	22.54	136.33	-127.00	-1,028.27	-2,923.22	3,620.98	3,463.13	157.85	22.939		
4,200.00	4,051.71	4,049.71	4,049.71	23.13	139.67	-127.36	-1,028.27	-2,923.22	3,639.02	3,477.30	161.72	22.502		
4,300.00	4,147.39	4,145.39	4,145.39	23.71	143.01	-127.71	-1,028.27	-2,923.22	3,657.21	3,491.63	165.59	22.086		
4,400.00	4,243.08	4,241.08	4,241.08	24.29	146.35	-128.06	-1,028.27	-2,923.22	3,675.54	3,506.09	169.46	21.690		
4,500.00	4,338.77	4,336.77	4,336.77	24.88	149.69	-128.41	-1,028.27	-2,923.22	3,694.01	3,520.69	173.33	21.313		
4,600.00	4,434.45	4,432.45	4,432.45	25.46	153.03	-128.75	-1,028.27	-2,923.22	3,712.62	3,535.42	177.19	20.952		
4,700.00	4,530.14	4,528.14	4,528.14	26.04	156.37	-129.09	-1,028.27	-2,923.22	3,731.35	3,550.29	181.06	20.609		
4,800.00	4,625.83	4,623.83	4,623.83	26.63	159.71	-129.42	-1,028.27	-2,923.22	3,750.22	3,565.30	184.92	20.280		
4,900.00	4,721.51	4,719.51	4,719.51	27.21	163.05	-129.76	-1,028.27	-2,923.22	3,769.22	3,580.43	188.79	19.965		
5,000.00	4,817.20	4,815.20	4,815.20	27.80	166.39	-130.08	-1,028.27	-2,923.22	3,788.34	3,595.69	192.65	19.664		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,910.89	4,910.89	28.38	169.73	130.41	-1,028.27	-2,923.22	3,807.59	3,611.08	196.52	19.375		
5,200.00	5,008.57	5,006.57	5,006.57	28.97	173.07	130.73	-1,028.27	-2,923.22	3,826.97	3,626.59	200.38	19.099		
5,300.00	5,104.26	5,102.26	5,102.26	29.55	176.41	131.05	-1,028.27	-2,923.22	3,846.46	3,642.22	204.24	18.833		
5,400.00	5,199.94	5,202.06	5,197.94	30.14	179.89	131.37	-1,028.27	-2,923.22	3,866.08	3,657.84	208.25	18.565		
5,500.00	5,295.63	5,306.37	5,293.63	30.72	183.53	131.68	-1,028.27	-2,923.22	3,885.82	3,673.41	212.41	18.294		
5,600.00	5,391.32	5,389.32	5,389.32	31.31	186.42	132.00	-1,028.27	-2,923.22	3,905.67	3,689.84	215.82	18.097		
5,700.00	5,487.00	5,485.00	5,485.00	31.90	189.76	132.30	-1,028.27	-2,923.22	3,925.63	3,705.95	219.68	17.870		
5,800.00	5,582.69	5,580.69	5,580.69	32.48	193.10	132.61	-1,028.27	-2,923.22	3,945.71	3,722.17	223.54	17.651		
5,900.00	5,678.38	5,676.38	5,676.38	33.07	196.44	132.91	-1,028.27	-2,923.22	3,965.90	3,738.50	227.40	17.440		
6,000.00	5,774.06	5,772.06	5,772.06	33.65	199.78	133.21	-1,028.27	-2,923.22	3,986.20	3,754.94	231.25	17.237		
6,100.00	5,869.75	5,867.75	5,867.75	34.24	203.12	133.50	-1,028.27	-2,923.22	4,006.61	3,771.50	235.11	17.041		
6,200.00	5,965.44	5,963.44	5,963.44	34.83	206.46	133.80	-1,028.27	-2,923.22	4,027.12	3,788.15	238.97	16.852		
6,300.00	6,061.12	6,059.12	6,059.12	35.41	209.80	134.09	-1,028.27	-2,923.22	4,047.74	3,804.92	242.82	16.670		
6,400.00	6,156.81	6,154.81	6,154.81	36.00	213.14	134.38	-1,028.27	-2,923.22	4,068.46	3,821.78	246.68	16.493		
6,500.00	6,252.50	6,250.50	6,250.50	36.59	216.48	134.66	-1,028.27	-2,923.22	4,089.28	3,838.75	250.53	16.323		
6,600.00	6,348.18	6,346.18	6,346.18	37.18	219.82	134.94	-1,028.27	-2,923.22	4,110.20	3,855.82	254.38	16.158		
6,636.04	6,382.67	6,380.67	6,380.67	37.39	221.03	135.04	-1,028.27	-2,923.22	4,117.77	3,862.00	255.77	16.099		
6,650.00	6,396.05	6,405.95	6,394.05	37.47	221.91	131.78	-1,028.27	-2,923.22	4,120.55	3,863.83	256.72	16.051		
6,700.00	6,444.38	6,442.38	6,442.38	37.74	223.18	117.28	-1,028.27	-2,923.22	4,128.07	3,869.83	258.24	15.985		
6,750.00	6,493.07	6,508.93	6,491.07	37.98	225.51	98.76	-1,028.27	-2,923.22	4,131.73	3,870.94	260.79	15.843		
6,800.00	6,541.82	6,539.82	6,539.82	38.18	226.58	79.29	-1,028.27	-2,923.22	4,131.50	3,869.43	262.07	15.765		
6,850.00	6,590.35	6,588.35	6,588.35	38.35	228.28	62.91	-1,028.27	-2,923.22	4,127.40	3,863.46	263.93	15.638		
6,900.00	6,638.34	6,636.34	6,636.34	38.50	229.95	50.97	-1,028.27	-2,923.22	4,119.44	3,853.69	265.75	15.501		
6,950.00	6,685.50	6,683.50	6,683.50	38.64	231.60	42.70	-1,028.27	-2,923.22	4,107.68	3,840.18	267.51	15.356		
7,000.00	6,731.54	6,729.54	6,729.54	38.77	233.21	36.97	-1,028.27	-2,923.22	4,092.20	3,823.00	269.20	15.201		
7,050.00	6,776.18	6,774.18	6,774.18	38.90	234.76	32.95	-1,028.27	-2,923.22	4,073.08	3,802.26	270.82	15.040		
7,100.00	6,819.14	6,817.14	6,817.14	39.03	236.26	30.11	-1,028.27	-2,923.22	4,050.45	3,778.09	272.36	14.872		
7,150.00	6,860.16	6,858.16	6,858.16	39.16	237.70	28.12	-1,028.27	-2,923.22	4,024.44	3,750.63	273.81	14.698		
7,200.00	6,898.98	6,903.02	6,896.98	39.31	239.26	26.78	-1,028.27	-2,923.22	3,995.23	3,719.85	275.38	14.508		
7,250.00	6,935.36	6,933.36	6,933.36	39.47	240.32	25.96	-1,028.27	-2,923.22	3,962.98	3,686.55	276.43	14.336		
7,300.00	6,969.08	6,967.08	6,967.08	39.65	241.50	25.61	-1,028.27	-2,923.22	3,927.89	3,650.30	277.58	14.150		
7,350.00	6,999.94	7,002.06	6,997.94	39.85	242.72	25.70	-1,028.27	-2,923.22	3,890.17	3,611.40	278.77	13.955		
7,400.00	7,027.74	7,025.74	7,025.74	40.08	243.55	26.28	-1,028.27	-2,923.22	3,850.07	3,570.51	279.56	13.772		
7,450.00	7,052.31	7,050.31	7,050.31	40.34	244.40	27.42	-1,028.27	-2,923.22	3,807.81	3,527.44	280.37	13.581		
7,500.00	7,073.49	7,071.49	7,071.49	40.63	245.14	29.30	-1,028.27	-2,923.22	3,763.67	3,482.60	281.07	13.391		
7,550.00	7,091.17	7,089.17	7,089.17	40.95	245.76	32.24	-1,028.27	-2,923.22	3,717.90	3,436.26	281.64	13.201		
7,600.00	7,105.22	7,103.22	7,103.22	41.31	246.25	36.91	-1,028.27	-2,923.22	3,670.79	3,388.70	282.09	13.013		
7,650.00	7,115.57	7,113.57	7,113.57	41.71	246.61	44.64	-1,028.27	-2,923.22	3,622.62	3,340.20	282.42	12.827		
7,700.00	7,122.15	7,120.15	7,120.15	42.15	246.84	58.32	-1,028.27	-2,923.22	3,573.68	3,291.06	282.62	12.645		
7,750.00	7,124.91	7,122.91	7,122.91	42.62	246.94	82.86	-1,028.27	-2,923.22	3,524.28	3,241.58	282.70	12.466		
7,759.54	7,125.00	7,123.00	7,123.00	42.72	246.94	88.97	-1,028.27	-2,923.22	3,514.83	3,232.12	282.71	12.433		
7,800.00	7,125.10	7,123.10	7,123.10	43.13	246.94	88.98	-1,028.27	-2,923.22	3,474.72	3,192.02	282.70	12.291		
7,900.00	7,125.34	7,123.34	7,123.34	44.28	246.95	89.01	-1,028.27	-2,923.22	3,375.64	3,092.95	282.69	11.941		
8,000.00	7,125.58	7,123.58	7,123.58	45.61	246.96	89.04	-1,028.27	-2,923.22	3,276.62	2,993.92	282.69	11.591		
8,100.00	7,125.82	7,123.82	7,123.82	47.10	246.97	89.07	-1,028.27	-2,923.22	3,177.65	2,894.95	282.70	11.240		
8,200.00	7,126.06	7,124.06	7,124.06	48.72	246.98	89.10	-1,028.27	-2,923.22	3,078.76	2,796.04	282.72	10.890		
8,300.00	7,126.30	7,124.30	7,124.30	50.48	246.99	89.13	-1,028.27	-2,923.22	2,979.93	2,697.18	282.75	10.539		
8,400.00	7,126.54	7,124.54	7,124.54	52.34	246.99	89.16	-1,028.27	-2,923.22	2,881.19	2,598.40	282.79	10.188		
8,500.00	7,126.78	7,124.78	7,124.78	54.30	247.00	89.19	-1,028.27	-2,923.22	2,782.54	2,499.69	282.85	9.837		
8,600.00	7,127.02	7,125.02	7,125.02	56.35	247.01	89.22	-1,028.27	-2,923.22	2,683.98	2,401.06	282.93	9.486		
8,700.00	7,127.26	7,125.26	7,125.26	58.47	247.02	89.25	-1,028.27	-2,923.22	2,585.54	2,302.52	283.03	9.135		
8,800.00	7,127.50	7,125.50	7,125.50	60.66	247.03	89.28	-1,028.27	-2,923.22	2,487.23	2,204.07	283.15	8.784		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,125.74	7,125.74	62.90	247.04	89.30	-1,028.27	-2,923.22	2,389.05	2,105.74	283.31	8.433		
9,000.00	7,127.98	7,125.98	7,125.98	65.19	247.04	89.33	-1,028.27	-2,923.22	2,291.03	2,007.52	283.51	8.081		
9,100.00	7,128.22	7,126.22	7,126.22	67.53	247.05	89.36	-1,028.27	-2,923.22	2,193.19	1,909.43	283.75	7.729		
9,200.00	7,128.46	7,126.46	7,126.46	69.92	247.06	89.39	-1,028.27	-2,923.22	2,095.55	1,811.49	284.06	7.377		
9,300.00	7,128.70	7,126.70	7,126.70	72.33	247.07	89.42	-1,028.27	-2,923.22	1,998.14	1,713.72	284.43	7.025		
9,400.00	7,128.94	7,126.94	7,126.94	74.78	247.08	89.45	-1,028.27	-2,923.22	1,901.01	1,616.12	284.88	6.673		
9,500.00	7,129.18	7,127.18	7,127.18	77.26	247.09	89.48	-1,028.27	-2,923.22	1,804.19	1,518.74	285.44	6.321		
9,600.00	7,129.42	7,127.42	7,127.42	79.76	247.09	89.51	-1,028.27	-2,923.22	1,707.73	1,421.60	286.13	5.968		
9,700.00	7,129.66	7,127.66	7,127.66	82.29	247.10	89.54	-1,028.27	-2,923.22	1,611.71	1,324.73	286.98	5.616		
9,800.00	7,129.90	7,127.90	7,127.90	84.84	247.11	89.57	-1,028.27	-2,923.22	1,516.20	1,228.18	288.03	5.264		
9,900.00	7,130.14	7,128.14	7,128.14	87.41	247.12	89.60	-1,028.27	-2,923.22	1,421.31	1,132.00	289.31	4.913		
10,000.00	7,130.38	7,128.38	7,128.38	90.00	247.13	89.63	-1,028.27	-2,923.22	1,327.17	1,036.26	290.91	4.562		
10,100.00	7,130.62	7,128.62	7,128.62	92.60	247.14	89.66	-1,028.27	-2,923.22	1,233.95	941.07	292.88	4.213		
10,200.00	7,130.86	7,128.86	7,128.86	95.22	247.15	89.69	-1,028.27	-2,923.22	1,141.88	846.54	295.34	3.866		
10,300.00	7,131.09	7,129.09	7,129.09	97.85	247.15	89.72	-1,028.27	-2,923.22	1,051.26	752.87	298.39	3.523		
10,400.00	7,131.33	7,129.33	7,129.33	100.50	247.16	89.75	-1,028.27	-2,923.22	962.50	660.31	302.19	3.185		
10,500.00	7,131.57	7,129.57	7,129.57	103.16	247.17	89.78	-1,028.27	-2,923.22	876.16	569.24	306.92	2.855		
10,600.00	7,131.81	7,129.81	7,129.81	105.82	247.18	89.81	-1,028.27	-2,923.22	793.04	480.25	312.79	2.535		
10,700.00	7,132.05	7,130.05	7,130.05	108.50	247.19	89.84	-1,028.27	-2,923.22	714.26	394.25	320.02	2.232		
10,800.00	7,132.29	7,130.29	7,130.29	111.19	247.20	89.87	-1,028.27	-2,923.22	641.43	312.68	328.74	1.951		
10,900.00	7,132.53	7,130.53	7,130.53	113.88	247.20	89.90	-1,028.27	-2,923.22	576.79	237.88	338.91	1.702		
11,000.00	7,132.77	7,130.77	7,130.77	116.58	247.21	89.93	-1,028.27	-2,923.22	523.39	173.45	349.94	1.496 Level 3		
11,100.00	7,133.01	7,131.01	7,131.01	119.29	247.22	89.96	-1,028.27	-2,923.22	484.97	124.50	360.47	1.345 Level 3		
11,200.00	7,133.25	7,131.25	7,131.25	122.01	247.23	89.99	-1,028.27	-2,923.22	465.24	96.92	368.32	1.263 Level 3		
11,243.72	7,133.36	7,131.36	7,131.36	123.20	247.23	90.00	-1,028.27	-2,923.22	463.18	92.82	370.37	1.251 Level 3, CC, ES, SF		
11,300.00	7,133.49	7,131.49	7,131.49	124.73	247.24	90.02	-1,028.27	-2,923.22	466.59	95.06	371.53	1.256 Level 3		
11,400.00	7,133.73	7,131.73	7,131.73	127.46	247.25	90.05	-1,028.27	-2,923.22	488.84	119.10	369.73	1.322 Level 3		
11,500.00	7,133.97	7,131.97	7,131.97	130.19	247.25	90.08	-1,028.27	-2,923.22	529.35	165.04	364.31	1.453 Level 3		
11,600.00	7,134.21	7,132.21	7,132.21	132.93	247.26	90.11	-1,028.27	-2,923.22	584.36	227.16	357.19	1.636		
11,700.00	7,134.45	7,132.45	7,132.45	135.68	247.27	90.14	-1,028.27	-2,923.22	650.17	300.34	349.83	1.859		
11,800.00	7,134.69	7,132.69	7,132.69	138.43	247.28	90.17	-1,028.27	-2,923.22	723.87	380.88	342.98	2.111		
11,900.00	7,134.93	7,132.93	7,132.93	141.18	247.29	90.19	-1,028.27	-2,923.22	803.27	466.33	336.93	2.384		
12,000.00	7,135.17	7,133.17	7,133.17	143.94	247.30	90.22	-1,028.27	-2,923.22	886.84	555.13	331.71	2.674		
12,100.00	7,135.41	7,133.41	7,133.41	146.70	247.30	90.25	-1,028.27	-2,923.22	973.52	646.27	327.25	2.975		
12,200.00	7,135.65	7,133.65	7,133.65	149.46	247.31	90.28	-1,028.27	-2,923.22	1,062.54	739.10	323.45	3.285		
12,300.00	7,135.89	7,133.89	7,133.89	152.23	247.32	90.31	-1,028.27	-2,923.22	1,153.37	833.17	320.20	3.602		
12,400.00	7,136.13	7,134.13	7,134.13	155.00	247.33	90.34	-1,028.27	-2,923.22	1,245.59	928.19	317.41	3.924		
12,500.00	7,136.37	7,134.37	7,134.37	157.78	247.34	90.37	-1,028.27	-2,923.22	1,338.94	1,023.93	315.01	4.251		
12,600.00	7,136.61	7,134.61	7,134.61	160.55	247.35	90.40	-1,028.27	-2,923.22	1,433.18	1,120.26	312.93	4.580		
12,700.00	7,136.85	7,134.85	7,134.85	163.33	247.35	90.43	-1,028.27	-2,923.22	1,528.16	1,217.05	311.11	4.912		
12,800.00	7,137.09	7,135.09	7,135.09	166.12	247.36	90.46	-1,028.27	-2,923.22	1,623.74	1,314.21	309.52	5.246		
12,900.00	7,137.33	7,135.33	7,135.33	168.90	247.37	90.49	-1,028.27	-2,923.22	1,719.82	1,411.69	308.13	5.582		
13,000.00	7,137.57	7,135.57	7,135.57	171.69	247.38	90.52	-1,028.27	-2,923.22	1,816.32	1,509.43	306.89	5.918		
13,100.00	7,137.81	7,135.81	7,135.81	174.48	247.39	90.55	-1,028.27	-2,923.22	1,913.19	1,607.39	305.79	6.256		
13,200.00	7,138.05	7,136.05	7,136.05	177.27	247.40	90.58	-1,028.27	-2,923.22	2,010.36	1,705.54	304.81	6.595		
13,300.00	7,138.29	7,136.29	7,136.29	180.07	247.40	90.61	-1,028.27	-2,923.22	2,107.79	1,803.85	303.94	6.935		
13,400.00	7,138.53	7,136.53	7,136.53	182.86	247.41	90.64	-1,028.27	-2,923.22	2,205.46	1,902.31	303.15	7.275		
13,500.00	7,138.77	7,136.77	7,136.77	185.66	247.42	90.67	-1,028.27	-2,923.22	2,303.32	2,000.88	302.44	7.616		
13,600.00	7,139.01	7,137.01	7,137.01	188.46	247.43	90.70	-1,028.27	-2,923.22	2,401.36	2,099.56	301.80	7.957		
13,700.00	7,139.25	7,137.25	7,137.25	191.26	247.44	90.73	-1,028.27	-2,923.22	2,499.56	2,198.34	301.22	8.298		
13,800.00	7,139.49	7,137.49	7,137.49	194.06	247.45	90.76	-1,028.27	-2,923.22	2,597.89	2,297.20	300.70	8.640		
13,900.00	7,139.73	7,137.73	7,137.73	196.87	247.45	90.79	-1,028.27	-2,923.22	2,696.35	2,396.13	300.22	8.981		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,137.97	7,137.97	199.68	247.46	90.82	-1,028.27	-2,923.22	2,794.92	2,495.13	299.78	9.323		
14,100.00	7,140.21	7,138.21	7,138.21	202.48	247.47	90.85	-1,028.27	-2,923.22	2,893.58	2,594.20	299.38	9.665		
14,200.00	7,140.45	7,138.45	7,138.45	205.29	247.48	90.88	-1,028.27	-2,923.22	2,992.33	2,693.31	299.02	10.007		
14,300.00	7,140.69	7,138.69	7,138.69	208.10	247.49	90.91	-1,028.27	-2,923.22	3,091.17	2,792.48	298.69	10.349		
14,400.00	7,140.93	7,138.93	7,138.93	210.91	247.50	90.94	-1,028.27	-2,923.22	3,190.07	2,891.69	298.38	10.691		
14,500.00	7,141.17	7,139.17	7,139.17	213.73	247.51	90.97	-1,028.27	-2,923.22	3,289.04	2,990.94	298.10	11.033		
14,600.00	7,141.41	7,139.41	7,139.41	216.54	247.51	91.00	-1,028.27	-2,923.22	3,388.08	3,090.23	297.84	11.375		
14,700.00	7,141.65	7,139.65	7,139.65	219.36	247.52	91.03	-1,028.27	-2,923.22	3,487.16	3,189.56	297.61	11.717		
14,800.00	7,141.89	7,139.89	7,139.89	222.17	247.53	91.05	-1,028.27	-2,923.22	3,586.30	3,288.91	297.39	12.059		
14,900.00	7,142.13	7,140.13	7,140.13	224.99	247.54	91.08	-1,028.27	-2,923.22	3,685.49	3,388.29	297.19	12.401		
15,000.00	7,142.36	7,140.36	7,140.36	227.81	247.55	91.11	-1,028.27	-2,923.22	3,784.72	3,487.71	297.01	12.743		
15,100.00	7,142.60	7,140.60	7,140.60	230.63	247.56	91.14	-1,028.27	-2,923.22	3,883.98	3,587.14	296.84	13.084		
15,200.00	7,142.84	7,140.84	7,140.84	233.45	247.56	91.17	-1,028.27	-2,923.22	3,983.29	3,686.60	296.69	13.426		
15,300.00	7,143.08	7,141.08	7,141.08	236.27	247.57	91.20	-1,028.27	-2,923.22	4,082.62	3,786.08	296.55	13.767		
15,400.00	7,143.32	7,141.32	7,141.32	239.09	247.58	91.23	-1,028.27	-2,923.22	4,181.99	3,885.58	296.42	14.108		
15,500.00	7,143.56	7,141.56	7,141.56	241.91	247.59	91.26	-1,028.27	-2,923.22	4,281.39	3,985.09	296.30	14.449		
15,600.00	7,143.80	7,141.80	7,141.80	244.73	247.60	91.29	-1,028.27	-2,923.22	4,380.82	4,084.63	296.19	14.790		
15,700.00	7,144.04	7,142.04	7,142.04	247.56	247.61	91.32	-1,028.27	-2,923.22	4,480.27	4,184.18	296.09	15.131		
15,800.00	7,144.28	7,142.28	7,142.28	250.38	247.61	91.35	-1,028.27	-2,923.22	4,579.75	4,283.74	296.01	15.472		
15,900.00	7,144.52	7,142.52	7,142.52	253.21	247.62	91.38	-1,028.27	-2,923.22	4,679.24	4,383.32	295.93	15.812		
16,000.00	7,144.76	7,142.76	7,142.76	256.03	247.63	91.41	-1,028.27	-2,923.22	4,778.76	4,482.91	295.85	16.153		
16,100.00	7,145.00	7,143.00	7,143.00	258.86	247.64	91.44	-1,028.27	-2,923.22	4,878.30	4,582.51	295.79	16.493		
16,200.00	7,145.24	7,143.24	7,143.24	261.69	247.65	91.47	-1,028.27	-2,923.22	4,977.86	4,682.13	295.73	16.832		
16,300.00	7,145.48	7,143.48	7,143.48	264.52	247.66	91.50	-1,028.27	-2,923.22	5,077.43	4,781.75	295.68	17.172		
16,400.00	7,145.72	7,143.72	7,143.72	267.35	247.66	91.53	-1,028.27	-2,923.22	5,177.02	4,881.39	295.63	17.512		
16,500.00	7,145.96	7,143.96	7,143.96	270.18	247.67	91.56	-1,028.27	-2,923.22	5,276.63	4,981.04	295.59	17.851		
16,600.00	7,146.20	7,144.20	7,144.20	273.01	247.68	91.59	-1,028.27	-2,923.22	5,376.25	5,080.69	295.56	18.190		
16,700.00	7,146.44	7,144.44	7,144.44	275.84	247.69	91.62	-1,028.27	-2,923.22	5,475.89	5,180.35	295.53	18.529		
16,800.00	7,146.68	7,144.68	7,144.68	278.67	247.70	91.65	-1,028.27	-2,923.22	5,575.53	5,280.02	295.51	18.868		
16,900.00	7,146.92	7,144.92	7,144.92	281.50	247.71	91.68	-1,028.27	-2,923.22	5,675.19	5,379.70	295.49	19.206		
17,000.00	7,147.16	7,145.16	7,145.16	284.33	247.71	91.71	-1,028.27	-2,923.22	5,774.87	5,479.39	295.48	19.544		
17,100.00	7,147.40	7,145.40	7,145.40	287.16	247.72	91.74	-1,028.27	-2,923.22	5,874.55	5,579.08	295.47	19.882		
17,200.00	7,147.64	7,145.64	7,145.64	290.00	247.73	91.77	-1,028.27	-2,923.22	5,974.24	5,678.78	295.46	20.220		
17,300.00	7,147.88	7,145.88	7,145.88	292.83	247.74	91.80	-1,028.27	-2,923.22	6,073.95	5,778.49	295.46	20.558		
17,400.00	7,148.12	7,146.12	7,146.12	295.66	247.75	91.83	-1,028.27	-2,923.22	6,173.66	5,878.20	295.46	20.895		
17,500.00	7,148.36	7,146.36	7,146.36	298.50	247.76	91.86	-1,028.27	-2,923.22	6,273.38	5,977.91	295.47	21.232		
17,600.00	7,148.60	7,146.60	7,146.60	301.33	247.76	91.88	-1,028.27	-2,923.22	6,373.11	6,077.63	295.48	21.569		
17,700.00	7,148.84	7,146.84	7,146.84	304.17	247.77	91.91	-1,028.27	-2,923.22	6,472.85	6,177.36	295.49	21.905		
17,800.00	7,149.08	7,147.08	7,147.08	307.00	247.78	91.94	-1,028.27	-2,923.22	6,572.60	6,277.09	295.51	22.242		
17,900.00	7,149.32	7,147.32	7,147.32	309.84	247.79	91.97	-1,028.27	-2,923.22	6,672.35	6,376.83	295.53	22.578		
18,000.00	7,149.56	7,147.56	7,147.56	312.68	247.80	92.00	-1,028.27	-2,923.22	6,772.12	6,476.57	295.55	22.914		
18,100.00	7,149.80	7,147.80	7,147.80	315.51	247.81	92.03	-1,028.27	-2,923.22	6,871.88	6,576.31	295.57	23.249		
18,200.00	7,150.04	7,148.04	7,148.04	318.35	247.81	92.06	-1,028.27	-2,923.22	6,971.66	6,676.06	295.60	23.585		
18,300.00	7,150.28	7,148.28	7,148.28	321.19	247.82	92.09	-1,028.27	-2,923.22	7,071.44	6,775.81	295.63	23.920		
18,400.00	7,150.52	7,148.52	7,148.52	324.03	247.83	92.12	-1,028.27	-2,923.22	7,171.23	6,875.57	295.66	24.255		
18,500.00	7,150.76	7,148.76	7,148.76	326.86	247.84	92.15	-1,028.27	-2,923.22	7,271.02	6,975.32	295.70	24.589		
18,600.00	7,151.00	7,149.00	7,149.00	329.70	247.85	92.18	-1,028.27	-2,923.22	7,370.82	7,075.09	295.74	24.923		
18,700.00	7,151.24	7,149.24	7,149.24	332.54	247.86	92.21	-1,028.27	-2,923.22	7,470.63	7,174.85	295.78	25.258		
18,800.00	7,151.48	7,149.48	7,149.48	335.38	247.86	92.24	-1,028.27	-2,923.22	7,570.44	7,274.62	295.82	25.591		
18,900.00	7,151.72	7,149.72	7,149.72	338.22	247.87	92.27	-1,028.27	-2,923.22	7,670.25	7,374.39	295.87	25.925		
19,000.00	7,151.96	7,149.96	7,149.96	341.06	247.88	92.30	-1,028.27	-2,923.22	7,770.07	7,474.16	295.91	26.258		
19,018.30	7,152.00	7,150.00	7,150.00	341.58	247.88	92.30	-1,028.27	-2,923.22	7,788.34	7,492.42	295.92	26.319		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-176.86	-3,908.64	-214.45	3,914.58					
100.00	100.00	78.00	78.00	3.28	3.55	-176.86	-3,908.64	-214.45	3,914.52	3,907.68	6.84	572.628		
200.00	200.00	178.00	178.00	3.34	5.54	-176.86	-3,908.64	-214.45	3,914.52	3,905.64	8.88	440.819		
300.00	299.98	277.98	277.98	3.44	8.61	45.93	-3,908.64	-214.45	3,913.30	3,901.25	12.05	324.789		
400.00	399.84	377.84	377.84	3.59	11.91	46.03	-3,908.64	-214.45	3,909.66	3,894.16	15.50	252.263		
500.00	499.45	477.45	477.45	3.80	15.28	46.21	-3,908.64	-214.45	3,903.61	3,884.54	19.07	204.682		
600.00	598.70	576.70	576.70	4.04	18.68	46.46	-3,908.64	-214.45	3,895.16	3,872.45	22.71	171.491		
700.00	697.47	675.47	675.47	4.32	22.08	46.79	-3,908.64	-214.45	3,884.35	3,857.95	26.40	147.149		
800.00	795.62	773.62	773.62	4.65	25.47	47.19	-3,908.64	-214.45	3,871.20	3,841.10	30.11	128.580		
900.00	893.06	871.06	871.06	5.01	28.85	47.66	-3,908.64	-214.45	3,855.77	3,821.94	33.83	113.967		
1,000.00	989.64	967.64	967.64	5.42	32.20	48.21	-3,908.64	-214.45	3,838.10	3,800.54	37.56	102.175		
1,044.50	1,032.32	1,010.32	1,010.32	5.61	33.68	48.47	-3,908.64	-214.45	3,829.53	3,790.31	39.23	97.626		
1,100.00	1,085.43	1,063.43	1,063.43	5.86	35.53	48.65	-3,908.64	-214.45	3,818.60	3,777.30	41.30	92.461		
1,200.00	1,181.11	1,159.11	1,159.11	6.33	38.86	48.97	-3,908.64	-214.45	3,798.99	3,753.94	45.05	84.325		
1,300.00	1,276.80	1,254.80	1,254.80	6.81	42.19	49.30	-3,908.64	-214.45	3,779.51	3,730.68	48.82	77.411		
1,400.00	1,372.49	1,350.49	1,350.49	7.31	45.52	49.62	-3,908.64	-214.45	3,760.15	3,707.53	52.61	71.468		
1,500.00	1,468.17	1,446.17	1,446.17	7.83	48.85	49.95	-3,908.64	-214.45	3,740.91	3,684.49	56.42	66.310		
1,600.00	1,563.86	1,541.86	1,541.86	8.35	52.18	50.29	-3,908.64	-214.45	3,721.80	3,661.57	60.23	61.794		
1,700.00	1,659.55	1,637.55	1,637.55	8.88	55.52	50.63	-3,908.64	-214.45	3,702.82	3,638.77	64.05	57.809		
1,800.00	1,755.23	1,733.23	1,733.23	9.42	58.85	50.97	-3,908.64	-214.45	3,683.97	3,616.09	67.88	54.268		
1,900.00	1,850.92	1,828.92	1,828.92	9.97	62.19	51.31	-3,908.64	-214.45	3,665.26	3,593.53	71.72	51.102		
2,000.00	1,946.61	1,924.61	1,924.61	10.52	65.52	51.66	-3,908.64	-214.45	3,646.68	3,571.11	75.57	48.256		
2,100.00	2,042.29	2,020.29	2,020.29	11.07	68.86	52.01	-3,908.64	-214.45	3,628.23	3,548.81	79.42	45.683		
2,200.00	2,137.98	2,115.98	2,115.98	11.63	72.20	52.36	-3,908.64	-214.45	3,609.93	3,526.65	83.28	43.348		
2,300.00	2,233.67	2,211.67	2,211.67	12.19	75.54	52.72	-3,908.64	-214.45	3,591.77	3,504.63	87.14	41.218		
2,400.00	2,329.35	2,307.35	2,307.35	12.76	78.87	53.08	-3,908.64	-214.45	3,573.75	3,482.75	91.01	39.269		
2,500.00	2,425.04	2,403.04	2,403.04	13.32	82.21	53.44	-3,908.64	-214.45	3,555.88	3,461.01	94.88	37.479		
2,600.00	2,520.72	2,501.28	2,498.72	13.89	85.64	53.81	-3,908.64	-214.45	3,538.16	3,439.32	98.84	35.798		
2,700.00	2,616.41	2,605.59	2,594.41	14.46	89.28	54.18	-3,908.64	-214.45	3,520.59	3,417.57	103.02	34.175		
2,800.00	2,712.10	2,709.90	2,690.10	15.03	92.92	54.55	-3,908.64	-214.45	3,503.17	3,395.97	107.20	32.680		
2,900.00	2,807.78	2,785.78	2,785.78	15.60	95.56	54.93	-3,908.64	-214.45	3,485.91	3,375.52	110.39	31.578		
3,000.00	2,903.47	2,881.47	2,881.47	16.18	98.90	55.31	-3,908.64	-214.45	3,468.80	3,354.52	114.27	30.355		
3,100.00	2,999.16	2,977.16	2,977.16	16.75	102.24	55.70	-3,908.64	-214.45	3,451.85	3,333.69	118.16	29.213		
3,200.00	3,094.84	3,072.84	3,072.84	17.33	105.58	56.09	-3,908.64	-214.45	3,435.07	3,313.01	122.05	28.144		
3,300.00	3,190.53	3,168.53	3,168.53	17.90	108.92	56.48	-3,908.64	-214.45	3,418.45	3,292.50	125.95	27.142		
3,400.00	3,286.22	3,264.22	3,264.22	18.48	112.26	56.87	-3,908.64	-214.45	3,401.99	3,272.15	129.84	26.201		
3,500.00	3,381.90	3,359.90	3,359.90	19.06	115.60	57.27	-3,908.64	-214.45	3,385.71	3,251.97	133.74	25.315		
3,600.00	3,477.59	3,455.59	3,455.59	19.64	118.93	57.68	-3,908.64	-214.45	3,369.60	3,231.96	137.64	24.481		
3,700.00	3,573.28	3,551.28	3,551.28	20.22	122.27	58.08	-3,908.64	-214.45	3,353.66	3,212.11	141.55	23.693		
3,800.00	3,668.96	3,646.96	3,646.96	20.80	125.61	58.49	-3,908.64	-214.45	3,337.90	3,192.45	145.45	22.949		
3,900.00	3,764.65	3,742.65	3,742.65	21.38	128.95	58.91	-3,908.64	-214.45	3,322.32	3,172.96	149.36	22.244		
4,000.00	3,860.33	3,838.33	3,838.33	21.96	132.29	59.32	-3,908.64	-214.45	3,306.92	3,153.65	153.27	21.576		
4,100.00	3,956.02	3,934.02	3,934.02	22.54	135.63	59.75	-3,908.64	-214.45	3,291.70	3,134.52	157.18	20.942		
4,200.00	4,051.71	4,029.71	4,029.71	23.13	138.97	60.17	-3,908.64	-214.45	3,276.68	3,115.58	161.09	20.340		
4,300.00	4,147.39	4,125.39	4,125.39	23.71	142.31	60.60	-3,908.64	-214.45	3,261.84	3,096.83	165.01	19.768		
4,400.00	4,243.08	4,221.08	4,221.08	24.29	145.65	61.03	-3,908.64	-214.45	3,247.19	3,078.26	168.92	19.223		
4,500.00	4,338.77	4,316.77	4,316.77	24.88	148.99	61.47	-3,908.64	-214.45	3,232.74	3,059.89	172.84	18.703		
4,600.00	4,434.45	4,412.45	4,412.45	25.46	152.33	61.91	-3,908.64	-214.45	3,218.48	3,041.72	176.76	18.208		
4,700.00	4,530.14	4,508.14	4,508.14	26.04	155.67	62.35	-3,908.64	-214.45	3,204.43	3,023.74	180.69	17.735		
4,800.00	4,625.83	4,603.83	4,603.83	26.63	159.01	62.79	-3,908.64	-214.45	3,190.58	3,005.97	184.61	17.283		
4,900.00	4,721.51	4,700.49	4,699.51	27.21	162.38	63.24	-3,908.64	-214.45	3,176.93	2,988.36	188.57	16.847		
5,000.00	4,817.20	4,804.80	4,795.20	27.80	166.02	63.70	-3,908.64	-214.45	3,163.49	2,970.69	192.80	16.408		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,909.11	4,890.89	28.38	169.66	64.16	-3,908.64	-214.45	3,150.26	2,953.23	197.03	15.989		
5,200.00	5,008.57	4,986.57	4,986.57	28.97	172.37	64.62	-3,908.64	-214.45	3,137.25	2,936.92	200.32	15.661		
5,300.00	5,104.26	5,082.26	5,082.26	29.55	175.71	65.08	-3,908.64	-214.45	3,124.45	2,920.19	204.26	15.297		
5,400.00	5,199.94	5,177.94	5,177.94	30.14	179.05	65.55	-3,908.64	-214.45	3,111.87	2,903.68	208.19	14.947		
5,500.00	5,295.63	5,273.63	5,273.63	30.72	182.39	66.02	-3,908.64	-214.45	3,099.51	2,887.38	212.13	14.612		
5,600.00	5,391.32	5,369.32	5,369.32	31.31	185.73	66.49	-3,908.64	-214.45	3,087.38	2,871.31	216.06	14.289		
5,700.00	5,487.00	5,465.00	5,465.00	31.90	189.07	66.97	-3,908.64	-214.45	3,075.47	2,855.47	220.00	13.979		
5,800.00	5,582.69	5,560.69	5,560.69	32.48	192.41	67.45	-3,908.64	-214.45	3,063.79	2,839.85	223.94	13.681		
5,900.00	5,678.38	5,656.38	5,656.38	33.07	195.75	67.94	-3,908.64	-214.45	3,052.34	2,824.46	227.88	13.394		
6,000.00	5,774.06	5,752.06	5,752.06	33.65	199.09	68.43	-3,908.64	-214.45	3,041.13	2,809.30	231.82	13.118		
6,100.00	5,869.75	5,847.75	5,847.75	34.24	202.43	68.92	-3,908.64	-214.45	3,030.15	2,794.39	235.77	12.852		
6,200.00	5,965.44	5,943.44	5,943.44	34.83	205.77	69.42	-3,908.64	-214.45	3,019.42	2,779.71	239.71	12.596		
6,300.00	6,061.12	6,039.12	6,039.12	35.41	209.11	69.91	-3,908.64	-214.45	3,008.92	2,765.27	243.66	12.349		
6,400.00	6,156.81	6,134.81	6,134.81	36.00	212.45	70.41	-3,908.64	-214.45	2,998.67	2,751.07	247.60	12.111		
6,500.00	6,252.50	6,230.50	6,230.50	36.59	215.79	70.92	-3,908.64	-214.45	2,988.67	2,737.12	251.55	11.881		
6,600.00	6,348.18	6,326.18	6,326.18	37.18	219.13	71.43	-3,908.64	-214.45	2,978.92	2,723.42	255.50	11.659		
6,636.04	6,382.67	6,360.67	6,360.67	37.39	220.33	71.61	-3,908.64	-214.45	2,975.47	2,718.54	256.92	11.581		
6,650.00	6,396.05	6,374.05	6,374.05	37.47	220.80	68.29	-3,908.64	-214.45	2,974.06	2,716.59	257.47	11.551		
6,700.00	6,444.38	6,422.38	6,422.38	37.74	222.48	53.42	-3,908.64	-214.45	2,967.79	2,708.35	259.44	11.439		
6,750.00	6,493.07	6,471.07	6,471.07	37.98	224.18	34.28	-3,908.64	-214.45	2,959.58	2,698.21	261.37	11.323		
6,800.00	6,541.82	6,519.82	6,519.82	38.18	225.89	13.93	-3,908.64	-214.45	2,949.47	2,686.19	263.28	11.203		
6,850.00	6,590.35	6,568.35	6,568.35	38.35	227.58	-3.59	-3,908.64	-214.45	2,937.50	2,672.36	265.15	11.079		
6,900.00	6,638.34	6,616.34	6,616.34	38.50	229.25	-16.93	-3,908.64	-214.45	2,923.74	2,656.77	266.98	10.951		
6,950.00	6,685.50	6,663.50	6,663.50	38.64	230.90	-26.90	-3,908.64	-214.45	2,908.29	2,639.52	268.77	10.821		
7,000.00	6,731.54	6,709.54	6,709.54	38.77	232.51	-34.60	-3,908.64	-214.45	2,891.25	2,620.74	270.52	10.688		
7,050.00	6,776.18	6,754.18	6,754.18	38.90	234.07	-40.89	-3,908.64	-214.45	2,872.78	2,600.56	272.22	10.553		
7,100.00	6,819.14	6,802.86	6,797.14	39.03	235.77	-46.29	-3,908.64	-214.45	2,853.03	2,578.95	274.08	10.410		
7,150.00	6,860.16	6,838.16	6,838.16	39.16	237.00	-51.13	-3,908.64	-214.45	2,832.17	2,556.70	275.47	10.281		
7,200.00	6,898.98	6,876.98	6,876.98	39.31	238.35	-55.60	-3,908.64	-214.45	2,810.41	2,533.40	277.01	10.146		
7,250.00	6,935.36	6,913.36	6,913.36	39.47	239.62	-59.81	-3,908.64	-214.45	2,787.95	2,509.48	278.48	10.011		
7,300.00	6,969.08	6,947.08	6,947.08	39.65	240.80	-63.83	-3,908.64	-214.45	2,765.02	2,485.15	279.87	9.880		
7,350.00	6,999.94	6,977.94	6,977.94	39.85	241.88	-67.66	-3,908.64	-214.45	2,741.85	2,460.66	281.19	9.751		
7,400.00	7,027.74	7,005.74	7,005.74	40.08	242.85	-71.31	-3,908.64	-214.45	2,718.69	2,436.26	282.43	9.626		
7,450.00	7,052.31	7,030.31	7,030.31	40.34	243.71	-74.76	-3,908.64	-214.45	2,695.76	2,412.17	283.59	9.506		
7,500.00	7,073.49	7,051.49	7,051.49	40.63	244.44	-77.98	-3,908.64	-214.45	2,673.32	2,388.66	284.66	9.391		
7,550.00	7,091.17	7,069.17	7,069.17	40.95	245.06	-80.93	-3,908.64	-214.45	2,651.60	2,365.95	285.65	9.283		
7,600.00	7,105.22	7,083.22	7,083.22	41.31	245.55	-83.60	-3,908.64	-214.45	2,630.82	2,344.27	286.54	9.181		
7,650.00	7,115.57	7,106.43	7,093.57	41.71	246.36	-85.95	-3,908.64	-214.45	2,611.19	2,323.40	287.79	9.073		
7,700.00	7,122.15	7,100.15	7,100.15	42.15	246.14	-87.98	-3,908.64	-214.45	2,592.91	2,304.87	288.04	9.002		
7,750.00	7,124.91	7,102.91	7,102.91	42.62	246.24	-89.67	-3,908.64	-214.45	2,576.15	2,287.51	288.64	8.925		
7,759.54	7,125.00	7,103.00	7,103.00	42.72	246.24	-89.95	-3,908.64	-214.45	2,573.14	2,284.40	288.74	8.912		
7,800.00	7,125.10	7,103.10	7,103.10	43.13	246.25	-89.96	-3,908.64	-214.45	2,560.78	2,271.60	289.17	8.855		
7,900.00	7,125.34	7,103.34	7,103.34	44.28	246.25	-89.96	-3,908.64	-214.45	2,532.74	2,242.37	290.37	8.722		
8,000.00	7,125.58	7,103.58	7,103.58	45.61	246.26	-89.97	-3,908.64	-214.45	2,508.39	2,216.66	291.72	8.599		
8,100.00	7,125.82	7,103.82	7,103.82	47.10	246.27	-89.97	-3,908.64	-214.45	2,487.81	2,194.60	293.22	8.485		
8,200.00	7,126.06	7,104.06	7,104.06	48.72	246.28	-89.98	-3,908.64	-214.45	2,471.12	2,176.29	294.83	8.381		
8,300.00	7,126.30	7,104.30	7,104.30	50.48	246.29	-89.99	-3,908.64	-214.45	2,458.38	2,161.83	296.55	8.290		
8,400.00	7,126.54	7,104.54	7,104.54	52.34	246.30	-89.99	-3,908.64	-214.45	2,449.67	2,151.31	298.35	8.211		
8,500.00	7,126.78	7,104.78	7,104.78	54.30	246.30	-90.00	-3,908.64	-214.45	2,445.01	2,144.80	300.21	8.144		
8,563.93	7,126.93	7,104.93	7,104.93	55.61	246.31	-90.00	-3,908.64	-214.45	2,444.17	2,142.74	301.43	8.109 CC		
8,600.00	7,127.02	7,105.02	7,105.02	56.35	246.31	-90.00	-3,908.64	-214.45	2,444.44	2,142.33	302.11	8.091 ES		
8,700.00	7,127.26	7,105.26	7,105.26	58.47	246.32	-90.01	-3,908.64	-214.45	2,447.96	2,143.94	304.02	8.052		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,105.50	7,105.50	60.66	246.33	-90.01	-3,908.64	-214.45	2,455.55	2,149.62	305.93	8.027		
8,900.00	7,127.74	7,105.74	7,105.74	62.90	246.34	-90.02	-3,908.64	-214.45	2,467.17	2,159.36	307.81	8.015 SF		
9,000.00	7,127.98	7,105.98	7,105.98	65.19	246.35	-90.02	-3,908.64	-214.45	2,482.77	2,173.12	309.65	8.018		
9,100.00	7,128.22	7,106.22	7,106.22	67.53	246.35	-90.03	-3,908.64	-214.45	2,502.27	2,190.83	311.44	8.034		
9,200.00	7,128.46	7,106.46	7,106.46	69.92	246.36	-90.04	-3,908.64	-214.45	2,525.58	2,212.42	313.17	8.065		
9,300.00	7,128.70	7,106.70	7,106.70	72.33	246.37	-90.04	-3,908.64	-214.45	2,552.60	2,237.79	314.82	8.108		
9,400.00	7,128.94	7,106.94	7,106.94	74.78	246.38	-90.05	-3,908.64	-214.45	2,583.21	2,266.83	316.39	8.165		
9,500.00	7,129.18	7,107.18	7,107.18	77.26	246.39	-90.05	-3,908.64	-214.45	2,617.29	2,299.42	317.87	8.234		
9,600.00	7,129.42	7,107.42	7,107.42	79.76	246.40	-90.06	-3,908.64	-214.45	2,654.70	2,335.44	319.26	8.315		
9,700.00	7,129.66	7,107.66	7,107.66	82.29	246.41	-90.06	-3,908.64	-214.45	2,695.30	2,374.73	320.57	8.408		
9,800.00	7,129.90	7,107.90	7,107.90	84.84	246.41	-90.07	-3,908.64	-214.45	2,738.95	2,417.17	321.78	8.512		
9,900.00	7,130.14	7,108.14	7,108.14	87.41	246.42	-90.08	-3,908.64	-214.45	2,785.51	2,462.61	322.90	8.627		
10,000.00	7,130.38	7,108.38	7,108.38	90.00	246.43	-90.08	-3,908.64	-214.45	2,834.83	2,510.89	323.94	8.751		
10,100.00	7,130.62	7,108.62	7,108.62	92.60	246.44	-90.09	-3,908.64	-214.45	2,886.78	2,561.89	324.89	8.885		
10,200.00	7,130.86	7,108.86	7,108.86	95.22	246.45	-90.09	-3,908.64	-214.45	2,941.21	2,615.44	325.76	9.029		
10,300.00	7,131.09	7,109.09	7,109.09	97.85	246.46	-90.10	-3,908.64	-214.45	2,997.98	2,671.42	326.56	9.180		
10,400.00	7,131.33	7,109.33	7,109.33	100.50	246.46	-90.10	-3,908.64	-214.45	3,056.98	2,729.69	327.29	9.340		
10,500.00	7,131.57	7,109.57	7,109.57	103.16	246.47	-90.11	-3,908.64	-214.45	3,118.06	2,790.11	327.95	9.508		
10,600.00	7,131.81	7,109.81	7,109.81	105.82	246.48	-90.11	-3,908.64	-214.45	3,181.12	2,852.57	328.55	9.682		
10,700.00	7,132.05	7,110.05	7,110.05	108.50	246.49	-90.12	-3,908.64	-214.45	3,246.04	2,916.94	329.09	9.864		
10,800.00	7,132.29	7,110.29	7,110.29	111.19	246.50	-90.13	-3,908.64	-214.45	3,312.70	2,983.12	329.58	10.051		
10,900.00	7,132.53	7,110.53	7,110.53	113.88	246.51	-90.13	-3,908.64	-214.45	3,381.00	3,050.98	330.02	10.245		
11,000.00	7,132.77	7,110.77	7,110.77	116.58	246.51	-90.14	-3,908.64	-214.45	3,450.85	3,120.44	330.42	10.444		
11,100.00	7,133.01	7,111.01	7,111.01	119.29	246.52	-90.14	-3,908.64	-214.45	3,522.16	3,191.39	330.77	10.648		
11,200.00	7,133.25	7,111.25	7,111.25	122.01	246.53	-90.15	-3,908.64	-214.45	3,594.83	3,263.74	331.09	10.858		
11,300.00	7,133.49	7,111.49	7,111.49	124.73	246.54	-90.15	-3,908.64	-214.45	3,668.79	3,337.42	331.37	11.072		
11,400.00	7,133.73	7,111.73	7,111.73	127.46	246.55	-90.16	-3,908.64	-214.45	3,743.96	3,412.34	331.62	11.290		
11,500.00	7,133.97	7,111.97	7,111.97	130.19	246.56	-90.17	-3,908.64	-214.45	3,820.27	3,488.42	331.84	11.512		
11,600.00	7,134.21	7,112.21	7,112.21	132.93	246.56	-90.17	-3,908.64	-214.45	3,897.65	3,565.61	332.04	11.738		
11,700.00	7,134.45	7,112.45	7,112.45	135.68	246.57	-90.18	-3,908.64	-214.45	3,976.04	3,643.82	332.21	11.968		
11,800.00	7,134.69	7,112.69	7,112.69	138.43	246.58	-90.18	-3,908.64	-214.45	4,055.38	3,723.01	332.37	12.201		
11,900.00	7,134.93	7,112.93	7,112.93	141.18	246.59	-90.19	-3,908.64	-214.45	4,135.61	3,803.11	332.50	12.438		
12,000.00	7,135.17	7,113.17	7,113.17	143.94	246.60	-90.19	-3,908.64	-214.45	4,216.69	3,884.07	332.62	12.677		
12,100.00	7,135.41	7,113.41	7,113.41	146.70	246.61	-90.20	-3,908.64	-214.45	4,298.57	3,965.85	332.72	12.920		
12,200.00	7,135.65	7,113.65	7,113.65	149.46	246.61	-90.20	-3,908.64	-214.45	4,381.20	4,048.39	332.81	13.164		
12,300.00	7,135.89	7,113.89	7,113.89	152.23	246.62	-90.21	-3,908.64	-214.45	4,464.54	4,131.66	332.88	13.412		
12,400.00	7,136.13	7,114.13	7,114.13	155.00	246.63	-90.22	-3,908.64	-214.45	4,548.55	4,215.61	332.94	13.662		
12,500.00	7,136.37	7,114.37	7,114.37	157.78	246.64	-90.22	-3,908.64	-214.45	4,633.20	4,300.20	333.00	13.914		
12,600.00	7,136.61	7,114.61	7,114.61	160.55	246.65	-90.23	-3,908.64	-214.45	4,718.45	4,385.41	333.04	14.168		
12,700.00	7,136.85	7,114.85	7,114.85	163.33	246.66	-90.23	-3,908.64	-214.45	4,804.26	4,471.19	333.08	14.424		
12,800.00	7,137.09	7,115.09	7,115.09	166.12	246.66	-90.24	-3,908.64	-214.45	4,890.62	4,557.52	333.10	14.682		
12,900.00	7,137.33	7,115.33	7,115.33	168.90	246.67	-90.24	-3,908.64	-214.45	4,977.49	4,644.36	333.13	14.942		
13,000.00	7,137.57	7,115.57	7,115.57	171.69	246.68	-90.25	-3,908.64	-214.45	5,064.84	4,731.70	333.14	15.203		
13,100.00	7,137.81	7,115.81	7,115.81	174.48	246.69	-90.25	-3,908.64	-214.45	5,152.65	4,819.50	333.15	15.466		
13,200.00	7,138.05	7,116.05	7,116.05	177.27	246.70	-90.26	-3,908.64	-214.45	5,240.90	4,907.74	333.16	15.731		
13,300.00	7,138.29	7,116.29	7,116.29	180.07	246.71	-90.27	-3,908.64	-214.45	5,329.56	4,996.40	333.16	15.997		
13,400.00	7,138.53	7,116.53	7,116.53	182.86	246.71	-90.27	-3,908.64	-214.45	5,418.62	5,085.46	333.16	16.264		
13,500.00	7,138.77	7,116.77	7,116.77	185.66	246.72	-90.28	-3,908.64	-214.45	5,508.05	5,174.89	333.16	16.533		
13,600.00	7,139.01	7,117.01	7,117.01	188.46	246.73	-90.28	-3,908.64	-214.45	5,597.84	5,264.69	333.15	16.803		
13,700.00	7,139.25	7,117.25	7,117.25	191.26	246.74	-90.29	-3,908.64	-214.45	5,687.97	5,354.83	333.14	17.074		
13,800.00	7,139.49	7,117.49	7,117.49	194.06	246.75	-90.29	-3,908.64	-214.45	5,778.43	5,445.30	333.13	17.346		
13,900.00	7,139.73	7,117.73	7,117.73	196.87	246.76	-90.30	-3,908.64	-214.45	5,869.20	5,536.08	333.12	17.619		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,117.97	7,117.97	199.68	246.77	-90.31	-3,908.64	-214.45	5,960.26	5,627.16	333.10	17.893		
14,100.00	7,140.21	7,118.21	7,118.21	202.48	246.77	-90.31	-3,908.64	-214.45	6,051.60	5,718.52	333.09	18.168		
14,200.00	7,140.45	7,118.45	7,118.45	205.29	246.78	-90.32	-3,908.64	-214.45	6,143.21	5,810.14	333.07	18.444		
14,300.00	7,140.69	7,118.69	7,118.69	208.10	246.79	-90.32	-3,908.64	-214.45	6,235.08	5,902.03	333.05	18.721		
14,400.00	7,140.93	7,118.93	7,118.93	210.91	246.80	-90.33	-3,908.64	-214.45	6,327.20	5,994.17	333.03	18.999		
14,500.00	7,141.17	7,119.17	7,119.17	213.73	246.81	-90.33	-3,908.64	-214.45	6,419.56	6,086.54	333.01	19.277		
14,600.00	7,141.41	7,119.41	7,119.41	216.54	246.82	-90.34	-3,908.64	-214.45	6,512.14	6,179.14	333.00	19.556		
14,700.00	7,141.65	7,119.65	7,119.65	219.36	246.82	-90.34	-3,908.64	-214.45	6,604.93	6,271.95	332.98	19.836		
14,800.00	7,141.89	7,119.89	7,119.89	222.17	246.83	-90.35	-3,908.64	-214.45	6,697.93	6,364.98	332.96	20.116		
14,900.00	7,142.13	7,120.13	7,120.13	224.99	246.84	-90.36	-3,908.64	-214.45	6,791.14	6,458.20	332.94	20.398		
15,000.00	7,142.36	7,120.36	7,120.36	227.81	246.85	-90.36	-3,908.64	-214.45	6,884.53	6,551.61	332.92	20.679		
15,100.00	7,142.60	7,120.60	7,120.60	230.63	246.86	-90.37	-3,908.64	-214.45	6,978.10	6,645.20	332.90	20.961		
15,200.00	7,142.84	7,120.84	7,120.84	233.45	246.87	-90.37	-3,908.64	-214.45	7,071.86	6,738.97	332.88	21.244		
15,300.00	7,143.08	7,121.08	7,121.08	236.27	246.87	-90.38	-3,908.64	-214.45	7,165.78	6,832.91	332.87	21.528		
15,400.00	7,143.32	7,121.32	7,121.32	239.09	246.88	-90.38	-3,908.64	-214.45	7,259.86	6,927.01	332.85	21.811		
15,500.00	7,143.56	7,121.56	7,121.56	241.91	246.89	-90.39	-3,908.64	-214.45	7,354.10	7,021.27	332.83	22.096		
15,600.00	7,143.80	7,121.80	7,121.80	244.73	246.90	-90.40	-3,908.64	-214.45	7,448.49	7,115.67	332.82	22.380		
15,700.00	7,144.04	7,122.04	7,122.04	247.56	246.91	-90.40	-3,908.64	-214.45	7,543.02	7,210.22	332.80	22.665		
15,800.00	7,144.28	7,122.28	7,122.28	250.38	246.92	-90.41	-3,908.64	-214.45	7,637.69	7,304.91	332.79	22.951		
15,900.00	7,144.52	7,122.52	7,122.52	253.21	246.92	-90.41	-3,908.64	-214.45	7,732.50	7,399.73	332.77	23.237		
16,000.00	7,144.76	7,122.76	7,122.76	256.03	246.93	-90.42	-3,908.64	-214.45	7,827.44	7,494.68	332.76	23.523		
16,100.00	7,145.00	7,123.00	7,123.00	258.86	246.94	-90.42	-3,908.64	-214.45	7,922.50	7,589.75	332.75	23.809		
16,200.00	7,145.24	7,123.24	7,123.24	261.69	246.95	-90.43	-3,908.64	-214.45	8,017.68	7,684.95	332.73	24.096		
16,300.00	7,145.48	7,123.48	7,123.48	264.52	246.96	-90.43	-3,908.64	-214.45	8,112.98	7,780.25	332.72	24.384		
16,400.00	7,145.72	7,123.72	7,123.72	267.35	246.97	-90.44	-3,908.64	-214.45	8,208.39	7,875.67	332.71	24.671		
16,500.00	7,145.96	7,123.96	7,123.96	270.18	246.97	-90.45	-3,908.64	-214.45	8,303.90	7,971.20	332.70	24.959		
16,600.00	7,146.20	7,124.20	7,124.20	273.01	246.98	-90.45	-3,908.64	-214.45	8,399.52	8,066.83	332.70	25.247		
16,700.00	7,146.44	7,124.44	7,124.44	275.84	246.99	-90.46	-3,908.64	-214.45	8,495.25	8,162.56	332.69	25.535		
16,800.00	7,146.68	7,124.68	7,124.68	278.67	247.00	-90.46	-3,908.64	-214.45	8,591.07	8,258.38	332.68	25.824		
16,900.00	7,146.92	7,124.92	7,124.92	281.50	247.01	-90.47	-3,908.64	-214.45	8,686.98	8,354.30	332.68	26.112		
17,000.00	7,147.16	7,125.16	7,125.16	284.33	247.02	-90.47	-3,908.64	-214.45	8,782.99	8,450.31	332.67	26.401		
17,100.00	7,147.40	7,125.40	7,125.40	287.16	247.02	-90.48	-3,908.64	-214.45	8,879.08	8,546.41	332.67	26.690		
17,200.00	7,147.64	7,125.64	7,125.64	290.00	247.03	-90.49	-3,908.64	-214.45	8,975.26	8,642.59	332.67	26.980		
17,300.00	7,147.88	7,125.88	7,125.88	292.83	247.04	-90.49	-3,908.64	-214.45	9,071.52	8,738.85	332.66	27.269		
17,400.00	7,148.12	7,126.12	7,126.12	295.66	247.05	-90.50	-3,908.64	-214.45	9,167.86	8,835.20	332.66	27.559		
17,500.00	7,148.36	7,126.36	7,126.36	298.50	247.06	-90.50	-3,908.64	-214.45	9,264.28	8,931.61	332.66	27.849		
17,600.00	7,148.60	7,126.60	7,126.60	301.33	247.07	-90.51	-3,908.64	-214.45	9,360.77	9,028.11	332.66	28.139		
17,700.00	7,148.84	7,126.84	7,126.84	304.17	247.07	-90.51	-3,908.64	-214.45	9,457.34	9,124.67	332.67	28.429		
17,800.00	7,149.08	7,127.08	7,127.08	307.00	247.08	-90.52	-3,908.64	-214.45	9,553.98	9,221.31	332.67	28.719		
17,900.00	7,149.32	7,127.32	7,127.32	309.84	247.09	-90.52	-3,908.64	-214.45	9,650.68	9,318.01	332.67	29.009		
18,000.00	7,149.56	7,127.56	7,127.56	312.68	247.10	-90.53	-3,908.64	-214.45	9,747.45	9,414.78	332.68	29.300		
18,100.00	7,149.80	7,127.80	7,127.80	315.51	247.11	-90.54	-3,908.64	-214.45	9,844.29	9,511.61	332.68	29.590		
18,200.00	7,150.04	7,128.04	7,128.04	318.35	247.12	-90.54	-3,908.64	-214.45	9,941.19	9,608.50	332.69	29.881		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-70.43	1,559.24	-4,385.90	4,654.82					
100.00	100.00	140.00	140.00	3.28	4.54	-70.43	1,559.24	-4,385.90	4,654.82	4,646.99	7.83	594.734		
200.00	200.00	240.00	240.00	3.34	7.40	-70.43	1,559.24	-4,385.90	4,654.82	4,644.08	10.74	433.546		
300.00	299.98	339.98	339.98	3.44	10.64	152.32	1,559.24	-4,385.90	4,656.36	4,642.28	14.08	330.662		
400.00	399.84	439.84	439.84	3.59	14.00	152.30	1,559.24	-4,385.90	4,661.00	4,643.41	17.59	264.943		
500.00	499.45	539.45	539.45	3.80	17.40	152.28	1,559.24	-4,385.90	4,668.72	4,647.53	21.19	220.291		
600.00	598.70	638.70	638.70	4.04	20.81	152.25	1,559.24	-4,385.90	4,679.52	4,654.67	24.85	188.309		
700.00	697.47	737.47	737.47	4.32	24.22	152.21	1,559.24	-4,385.90	4,693.40	4,664.86	28.54	164.436		
800.00	795.62	835.62	835.62	4.65	27.62	152.16	1,559.24	-4,385.90	4,710.35	4,678.09	32.26	146.031		
900.00	893.06	933.06	933.06	5.01	31.00	152.09	1,559.24	-4,385.90	4,730.34	4,694.36	35.98	131.474		
1,000.00	989.64	1,029.64	1,029.64	5.42	34.36	152.01	1,559.24	-4,385.90	4,753.37	4,713.67	39.70	119.719		
1,044.50	1,032.32	1,072.32	1,072.32	5.61	35.84	151.98	1,559.24	-4,385.90	4,764.60	4,723.23	41.36	115.189		
1,100.00	1,085.43	1,125.43	1,125.43	5.86	37.69	152.07	1,559.24	-4,385.90	4,778.97	4,735.54	43.43	110.046		
1,200.00	1,181.11	1,221.11	1,221.11	6.33	41.02	152.23	1,559.24	-4,385.90	4,804.90	4,757.74	47.16	101.890		
1,300.00	1,276.80	1,316.80	1,316.80	6.81	44.35	152.39	1,559.24	-4,385.90	4,830.86	4,779.96	50.91	94.900		
1,400.00	1,372.49	1,412.49	1,412.49	7.31	47.68	152.54	1,559.24	-4,385.90	4,856.86	4,802.19	54.67	88.846		
1,500.00	1,468.17	1,508.17	1,508.17	7.83	51.01	152.70	1,559.24	-4,385.90	4,882.89	4,824.45	58.44	83.556		
1,600.00	1,563.86	1,603.86	1,603.86	8.35	54.34	152.85	1,559.24	-4,385.90	4,908.96	4,846.74	62.22	78.897		
1,700.00	1,659.55	1,700.45	1,699.55	8.88	57.71	153.01	1,559.24	-4,385.90	4,935.06	4,869.02	66.04	74.728		
1,800.00	1,755.23	1,804.77	1,795.23	9.42	61.35	153.16	1,559.24	-4,385.90	4,961.19	4,891.05	70.14	70.736		
1,900.00	1,850.92	1,909.08	1,890.92	9.97	64.98	153.31	1,559.24	-4,385.90	4,987.36	4,913.12	74.24	67.180		
2,000.00	1,946.61	1,986.61	1,986.61	10.52	67.69	153.45	1,559.24	-4,385.90	5,013.55	4,936.14	77.41	64.765		
2,100.00	2,042.29	2,082.29	2,082.29	11.07	71.02	153.60	1,559.24	-4,385.90	5,039.78	4,958.56	81.22	62.051		
2,200.00	2,137.98	2,177.98	2,177.98	11.63	74.36	153.75	1,559.24	-4,385.90	5,066.04	4,981.01	85.03	59.577		
2,300.00	2,233.67	2,273.67	2,273.67	12.19	77.70	153.89	1,559.24	-4,385.90	5,092.33	5,003.48	88.85	57.315		
2,400.00	2,329.35	2,369.35	2,369.35	12.76	81.04	154.03	1,559.24	-4,385.90	5,118.65	5,025.98	92.67	55.238		
2,500.00	2,425.04	2,465.04	2,465.04	13.32	84.37	154.17	1,559.24	-4,385.90	5,145.00	5,048.51	96.49	53.324		
2,600.00	2,520.72	2,560.72	2,560.72	13.89	87.71	154.31	1,559.24	-4,385.90	5,171.38	5,071.07	100.31	51.555		
2,700.00	2,616.41	2,656.41	2,656.41	14.46	91.05	154.45	1,559.24	-4,385.90	5,197.78	5,093.65	104.13	49.916		
2,800.00	2,712.10	2,752.10	2,752.10	15.03	94.39	154.59	1,559.24	-4,385.90	5,224.22	5,116.26	107.96	48.392		
2,900.00	2,807.78	2,847.78	2,847.78	15.60	97.73	154.72	1,559.24	-4,385.90	5,250.68	5,138.90	111.78	46.973		
3,000.00	2,903.47	2,943.47	2,943.47	16.18	101.06	154.85	1,559.24	-4,385.90	5,277.17	5,161.56	115.61	45.647		
3,100.00	2,999.16	3,039.16	3,039.16	16.75	104.40	154.99	1,559.24	-4,385.90	5,303.68	5,184.25	119.44	44.406		
3,200.00	3,094.84	3,134.84	3,134.84	17.33	107.74	155.12	1,559.24	-4,385.90	5,330.23	5,206.96	123.26	43.242		
3,300.00	3,190.53	3,230.53	3,230.53	17.90	111.08	155.25	1,559.24	-4,385.90	5,356.79	5,229.70	127.09	42.149		
3,400.00	3,286.22	3,326.22	3,326.22	18.48	114.42	155.38	1,559.24	-4,385.90	5,383.39	5,252.47	130.92	41.119		
3,500.00	3,381.90	3,421.90	3,421.90	19.06	117.76	155.50	1,559.24	-4,385.90	5,410.01	5,275.25	134.75	40.148		
3,600.00	3,477.59	3,517.59	3,517.59	19.64	121.10	155.63	1,559.24	-4,385.90	5,436.65	5,298.07	138.58	39.230		
3,700.00	3,573.28	3,613.28	3,613.28	20.22	124.44	155.75	1,559.24	-4,385.90	5,463.32	5,320.91	142.42	38.362		
3,800.00	3,668.96	3,708.96	3,708.96	20.80	127.78	155.88	1,559.24	-4,385.90	5,490.01	5,343.77	146.25	37.539		
3,900.00	3,764.65	3,804.65	3,804.65	21.38	131.12	156.00	1,559.24	-4,385.90	5,516.73	5,366.65	150.08	36.759		
4,000.00	3,860.33	3,900.33	3,900.33	21.96	134.46	156.12	1,559.24	-4,385.90	5,543.47	5,389.56	153.91	36.017		
4,100.00	3,956.02	4,003.98	3,996.02	22.54	138.07	156.24	1,559.24	-4,385.90	5,570.24	5,412.22	158.02	35.250		
4,200.00	4,051.71	4,108.29	4,091.71	23.13	141.71	156.36	1,559.24	-4,385.90	5,597.02	5,434.87	162.15	34.517		
4,300.00	4,147.39	4,187.39	4,187.39	23.71	144.47	156.48	1,559.24	-4,385.90	5,623.83	5,458.42	165.41	34.000		
4,400.00	4,243.08	4,283.08	4,283.08	24.29	147.81	156.59	1,559.24	-4,385.90	5,650.66	5,481.42	169.24	33.388		
4,500.00	4,338.77	4,378.77	4,378.77	24.88	151.15	156.71	1,559.24	-4,385.90	5,677.52	5,504.44	173.07	32.804		
4,600.00	4,434.45	4,474.45	4,474.45	25.46	154.49	156.83	1,559.24	-4,385.90	5,704.39	5,527.48	176.91	32.245		
4,700.00	4,530.14	4,570.14	4,570.14	26.04	157.83	156.94	1,559.24	-4,385.90	5,731.29	5,550.55	180.74	31.710		
4,800.00	4,625.83	4,665.83	4,665.83	26.63	161.17	157.05	1,559.24	-4,385.90	5,758.20	5,573.63	184.57	31.197		
4,900.00	4,721.51	4,761.51	4,761.51	27.21	164.51	157.16	1,559.24	-4,385.90	5,785.14	5,596.73	188.41	30.705		
5,000.00	4,817.20	4,857.20	4,857.20	27.80	167.85	157.27	1,559.24	-4,385.90	5,812.10	5,619.86	192.24	30.233		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,952.89	4,952.89	28.38	171.19	157.38	1,559.24	-4,385.90	5,839.08	5,643.00	196.08	29.780		
5,200.00	5,008.57	5,048.57	5,048.57	28.97	174.53	157.49	1,559.24	-4,385.90	5,866.08	5,666.17	199.91	29.344		
5,300.00	5,104.26	5,144.26	5,144.26	29.55	177.87	157.60	1,559.24	-4,385.90	5,893.09	5,689.35	203.74	28.924		
5,400.00	5,199.94	5,239.94	5,239.94	30.14	181.21	157.71	1,559.24	-4,385.90	5,920.13	5,712.55	207.58	28.520		
5,500.00	5,295.63	5,335.63	5,335.63	30.72	184.55	157.81	1,559.24	-4,385.90	5,947.19	5,735.78	211.41	28.131		
5,600.00	5,391.32	5,431.32	5,431.32	31.31	187.89	157.92	1,559.24	-4,385.90	5,974.26	5,759.02	215.24	27.756		
5,700.00	5,487.00	5,527.00	5,527.00	31.90	191.23	158.02	1,559.24	-4,385.90	6,001.35	5,782.28	219.08	27.394		
5,800.00	5,582.69	5,622.69	5,622.69	32.48	194.57	158.12	1,559.24	-4,385.90	6,028.47	5,805.55	222.91	27.044		
5,900.00	5,678.38	5,718.38	5,718.38	33.07	197.91	158.22	1,559.24	-4,385.90	6,055.59	5,828.85	226.75	26.707		
6,000.00	5,774.06	5,814.06	5,814.06	33.65	201.25	158.32	1,559.24	-4,385.90	6,082.74	5,852.16	230.58	26.380		
6,100.00	5,869.75	5,909.75	5,909.75	34.24	204.59	158.42	1,559.24	-4,385.90	6,109.91	5,875.49	234.41	26.065		
6,200.00	5,965.44	6,005.44	6,005.44	34.83	207.93	158.52	1,559.24	-4,385.90	6,137.09	5,898.84	238.25	25.759		
6,300.00	6,061.12	6,101.12	6,101.12	35.41	211.27	158.62	1,559.24	-4,385.90	6,164.29	5,922.21	242.08	25.464		
6,400.00	6,156.81	6,203.19	6,196.81	36.00	214.83	158.72	1,559.24	-4,385.90	6,191.50	5,945.37	246.14	25.155		
6,500.00	6,252.50	6,307.50	6,292.50	36.59	218.47	158.82	1,559.24	-4,385.90	6,218.74	5,968.46	250.27	24.848		
6,600.00	6,348.18	6,388.18	6,388.18	37.18	221.29	158.91	1,559.24	-4,385.90	6,245.99	5,992.40	253.58	24.631		
6,636.04	6,382.67	6,422.67	6,422.67	37.39	222.49	158.95	1,559.24	-4,385.90	6,255.81	6,000.85	254.96	24.536		
6,650.00	6,396.05	6,436.05	6,436.05	37.47	222.96	155.52	1,559.24	-4,385.90	6,259.49	6,003.99	255.50	24.499		
6,700.00	6,444.38	6,484.38	6,484.38	37.74	224.65	140.51	1,559.24	-4,385.90	6,270.50	6,013.07	257.42	24.359		
6,750.00	6,493.07	6,533.07	6,533.07	37.98	226.35	121.63	1,559.24	-4,385.90	6,278.09	6,018.74	259.35	24.207		
6,800.00	6,541.82	6,581.82	6,581.82	38.18	228.05	101.93	1,559.24	-4,385.90	6,282.24	6,020.97	261.26	24.046		
6,850.00	6,590.35	6,630.35	6,630.35	38.35	229.74	85.44	1,559.24	-4,385.90	6,282.91	6,019.77	263.14	23.876		
6,900.00	6,638.34	6,678.34	6,678.34	38.50	231.42	73.53	1,559.24	-4,385.90	6,280.12	6,015.14	264.98	23.700		
6,950.00	6,685.50	6,725.50	6,725.50	38.64	233.07	65.39	1,559.24	-4,385.90	6,273.89	6,007.14	266.76	23.519		
7,000.00	6,731.54	6,771.54	6,771.54	38.77	234.67	59.92	1,559.24	-4,385.90	6,264.28	5,995.81	268.47	23.333		
7,050.00	6,776.18	6,816.18	6,816.18	38.90	236.23	56.29	1,559.24	-4,385.90	6,251.36	5,981.24	270.11	23.143		
7,100.00	6,819.14	6,859.14	6,859.14	39.03	237.73	53.96	1,559.24	-4,385.90	6,235.21	5,963.53	271.68	22.951		
7,150.00	6,860.16	6,900.16	6,900.16	39.16	239.16	52.62	1,559.24	-4,385.90	6,215.95	5,942.80	273.15	22.756		
7,200.00	6,898.98	6,938.98	6,938.98	39.31	240.52	52.06	1,559.24	-4,385.90	6,193.72	5,919.18	274.54	22.561		
7,250.00	6,935.36	6,975.36	6,975.36	39.47	241.79	52.18	1,559.24	-4,385.90	6,168.66	5,892.83	275.83	22.364		
7,300.00	6,969.08	7,009.08	7,009.08	39.65	242.96	52.90	1,559.24	-4,385.90	6,140.93	5,863.92	277.02	22.168		
7,350.00	6,999.94	7,039.94	7,039.94	39.85	244.04	54.21	1,559.24	-4,385.90	6,110.73	5,832.62	278.11	21.973		
7,400.00	7,027.74	7,067.74	7,067.74	40.08	245.01	56.12	1,559.24	-4,385.90	6,078.23	5,799.14	279.09	21.779		
7,450.00	7,052.31	7,107.69	7,092.31	40.34	246.41	58.64	1,559.24	-4,385.90	6,043.67	5,763.15	280.51	21.545		
7,500.00	7,073.49	7,113.49	7,113.49	40.63	246.61	61.81	1,559.24	-4,385.90	6,007.24	5,726.49	280.76	21.397		
7,550.00	7,091.17	7,131.17	7,131.17	40.95	247.23	65.68	1,559.24	-4,385.90	5,969.19	5,687.76	281.43	21.210		
7,600.00	7,105.22	7,145.22	7,145.22	41.31	247.72	70.29	1,559.24	-4,385.90	5,929.75	5,647.75	282.00	21.028		
7,650.00	7,115.57	7,155.57	7,155.57	41.71	248.08	75.66	1,559.24	-4,385.90	5,889.16	5,606.70	282.46	20.849		
7,700.00	7,122.15	7,162.15	7,162.15	42.15	248.31	81.74	1,559.24	-4,385.90	5,847.67	5,564.85	282.82	20.676		
7,750.00	7,124.91	7,164.91	7,164.91	42.62	248.40	88.44	1,559.24	-4,385.90	5,805.54	5,522.47	283.07	20.509		
7,759.54	7,125.00	7,165.00	7,165.00	42.72	248.41	89.78	1,559.24	-4,385.90	5,797.45	5,514.34	283.11	20.478		
7,800.00	7,125.10	7,165.10	7,165.10	43.13	248.41	89.78	1,559.24	-4,385.90	5,763.15	5,479.89	283.26	20.346		
7,900.00	7,125.34	7,165.34	7,165.34	44.28	248.42	89.79	1,559.24	-4,385.90	5,678.71	5,395.02	283.69	20.017		
8,000.00	7,125.58	7,165.58	7,165.58	45.61	248.43	89.79	1,559.24	-4,385.90	5,594.79	5,310.57	284.22	19.685		
8,100.00	7,125.82	7,165.82	7,165.82	47.10	248.44	89.79	1,559.24	-4,385.90	5,511.41	5,226.56	284.85	19.349		
8,200.00	7,126.06	7,166.06	7,166.06	48.72	248.44	89.80	1,559.24	-4,385.90	5,428.59	5,143.02	285.57	19.010		
8,300.00	7,126.30	7,166.30	7,166.30	50.48	248.45	89.80	1,559.24	-4,385.90	5,346.35	5,059.95	286.40	18.667		
8,400.00	7,126.54	7,166.54	7,166.54	52.34	248.46	89.81	1,559.24	-4,385.90	5,264.73	4,977.39	287.34	18.322		
8,500.00	7,126.78	7,166.78	7,166.78	54.30	248.47	89.81	1,559.24	-4,385.90	5,183.76	4,895.37	288.39	17.975		
8,600.00	7,127.02	7,167.02	7,167.02	56.35	248.48	89.82	1,559.24	-4,385.90	5,103.45	4,813.91	289.55	17.626		
8,700.00	7,127.26	7,167.26	7,167.26	58.47	248.49	89.82	1,559.24	-4,385.90	5,023.86	4,733.04	290.82	17.275		
8,800.00	7,127.50	7,167.50	7,167.50	60.66	248.49	89.83	1,559.24	-4,385.90	4,945.01	4,652.81	292.20	16.923		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,167.74	7,167.74	62.90	248.50	89.83	1,559.24	-4,385.90	4,866.93	4,573.23	293.70	16.571		
9,000.00	7,127.98	7,167.98	7,167.98	65.19	248.51	89.84	1,559.24	-4,385.90	4,789.67	4,494.36	295.31	16.219		
9,100.00	7,128.22	7,168.22	7,168.22	67.53	248.52	89.84	1,559.24	-4,385.90	4,713.26	4,416.23	297.04	15.868		
9,200.00	7,128.46	7,168.46	7,168.46	69.92	248.53	89.84	1,559.24	-4,385.90	4,637.76	4,338.88	298.88	15.517		
9,300.00	7,128.70	7,168.70	7,168.70	72.33	248.54	89.85	1,559.24	-4,385.90	4,563.19	4,262.36	300.83	15.169		
9,400.00	7,128.94	7,168.94	7,168.94	74.78	248.54	89.85	1,559.24	-4,385.90	4,489.61	4,186.71	302.90	14.822		
9,500.00	7,129.18	7,169.18	7,169.18	77.26	248.55	89.86	1,559.24	-4,385.90	4,417.07	4,111.99	305.09	14.478		
9,600.00	7,129.42	7,169.42	7,169.42	79.76	248.56	89.86	1,559.24	-4,385.90	4,345.62	4,038.24	307.38	14.138		
9,700.00	7,129.66	7,169.66	7,169.66	82.29	248.57	89.87	1,559.24	-4,385.90	4,275.32	3,965.53	309.79	13.801		
9,800.00	7,129.90	7,169.90	7,169.90	84.84	248.58	89.87	1,559.24	-4,385.90	4,206.22	3,893.91	312.31	13.468		
9,900.00	7,130.14	7,170.14	7,170.14	87.41	248.59	89.88	1,559.24	-4,385.90	4,138.38	3,823.44	314.94	13.140		
10,000.00	7,130.38	7,170.38	7,170.38	90.00	248.59	89.88	1,559.24	-4,385.90	4,071.87	3,754.19	317.68	12.817		
10,100.00	7,130.62	7,170.62	7,170.62	92.60	248.60	89.88	1,559.24	-4,385.90	4,006.75	3,686.22	320.53	12.500		
10,200.00	7,130.86	7,170.86	7,170.86	95.22	248.61	89.89	1,559.24	-4,385.90	3,943.09	3,619.61	323.49	12.189		
10,300.00	7,131.09	7,171.09	7,171.09	97.85	248.62	89.89	1,559.24	-4,385.90	3,880.97	3,554.42	326.54	11.885		
10,400.00	7,131.33	7,171.33	7,171.33	100.50	248.63	89.90	1,559.24	-4,385.90	3,820.45	3,490.75	329.70	11.588		
10,500.00	7,131.57	7,171.57	7,171.57	103.16	248.64	89.90	1,559.24	-4,385.90	3,761.61	3,428.66	332.96	11.298		
10,600.00	7,131.81	7,171.81	7,171.81	105.82	248.64	89.91	1,559.24	-4,385.90	3,704.54	3,368.24	336.30	11.015		
10,700.00	7,132.05	7,172.05	7,172.05	108.50	248.65	89.91	1,559.24	-4,385.90	3,649.32	3,309.58	339.74	10.742		
10,800.00	7,132.29	7,172.29	7,172.29	111.19	248.66	89.92	1,559.24	-4,385.90	3,596.04	3,252.78	343.26	10.476		
10,900.00	7,132.53	7,172.53	7,172.53	113.88	248.67	89.92	1,559.24	-4,385.90	3,544.77	3,197.92	346.85	10.220		
11,000.00	7,132.77	7,172.77	7,172.77	116.58	248.68	89.92	1,559.24	-4,385.90	3,495.62	3,145.10	350.52	9.973		
11,100.00	7,133.01	7,173.01	7,173.01	119.29	248.69	89.93	1,559.24	-4,385.90	3,448.66	3,094.42	354.24	9.735		
11,200.00	7,133.25	7,173.25	7,173.25	122.01	248.69	89.93	1,559.24	-4,385.90	3,403.99	3,045.97	358.02	9.508		
11,300.00	7,133.49	7,173.49	7,173.49	124.73	248.70	89.94	1,559.24	-4,385.90	3,361.71	2,999.87	361.84	9.291		
11,400.00	7,133.73	7,173.73	7,173.73	127.46	248.71	89.94	1,559.24	-4,385.90	3,321.90	2,956.21	365.69	9.084		
11,500.00	7,133.97	7,173.97	7,173.97	130.19	248.72	89.95	1,559.24	-4,385.90	3,284.65	2,915.09	369.56	8.888		
11,600.00	7,134.21	7,174.21	7,174.21	132.93	248.73	89.95	1,559.24	-4,385.90	3,250.05	2,876.62	373.43	8.703		
11,700.00	7,134.45	7,174.45	7,174.45	135.68	248.74	89.96	1,559.24	-4,385.90	3,218.19	2,840.90	377.29	8.530		
11,800.00	7,134.69	7,174.69	7,174.69	138.43	248.75	89.96	1,559.24	-4,385.90	3,189.15	2,808.01	381.14	8.367		
11,900.00	7,134.93	7,174.93	7,174.93	141.18	248.75	89.97	1,559.24	-4,385.90	3,163.00	2,778.06	384.94	8.217		
12,000.00	7,135.17	7,175.17	7,175.17	143.94	248.76	89.97	1,559.24	-4,385.90	3,139.83	2,751.14	388.69	8.078		
12,100.00	7,135.41	7,175.41	7,175.41	146.70	248.77	89.97	1,559.24	-4,385.90	3,119.68	2,727.32	392.37	7.951		
12,200.00	7,135.65	7,175.65	7,175.65	149.46	248.78	89.98	1,559.24	-4,385.90	3,102.63	2,706.67	395.96	7.836		
12,300.00	7,135.89	7,175.89	7,175.89	152.23	248.79	89.98	1,559.24	-4,385.90	3,088.73	2,689.28	399.45	7.732		
12,400.00	7,136.13	7,176.13	7,176.13	155.00	248.80	89.99	1,559.24	-4,385.90	3,078.01	2,675.18	402.83	7.641		
12,500.00	7,136.37	7,176.37	7,176.37	157.78	248.80	89.99	1,559.24	-4,385.90	3,070.52	2,664.44	406.08	7.561		
12,600.00	7,136.61	7,176.61	7,176.61	160.55	248.81	90.00	1,559.24	-4,385.90	3,066.27	2,657.08	409.19	7.494		
12,680.42	7,136.80	7,176.80	7,176.80	162.79	248.82	90.00	1,559.24	-4,385.90	3,065.21	2,653.64	411.57	7.448 CC		
12,700.00	7,136.85	7,176.85	7,176.85	163.33	248.82	90.00	1,559.24	-4,385.90	3,065.28	2,653.14	412.14	7.438		
12,800.00	7,137.09	7,177.09	7,177.09	166.12	248.83	90.01	1,559.24	-4,385.90	3,067.55	2,652.62	414.92	7.393 ES		
12,900.00	7,137.33	7,177.33	7,177.33	168.90	248.84	90.01	1,559.24	-4,385.90	3,073.07	2,655.53	417.54	7.360		
13,000.00	7,137.57	7,177.57	7,177.57	171.69	248.85	90.01	1,559.24	-4,385.90	3,081.83	2,661.86	419.97	7.338		
13,100.00	7,137.81	7,177.81	7,177.81	174.48	248.85	90.02	1,559.24	-4,385.90	3,093.80	2,671.58	422.22	7.328 SF		
13,200.00	7,138.05	7,178.05	7,178.05	177.27	248.86	90.02	1,559.24	-4,385.90	3,108.94	2,684.66	424.28	7.328		
13,300.00	7,138.29	7,178.29	7,178.29	180.07	248.87	90.03	1,559.24	-4,385.90	3,127.21	2,701.06	426.15	7.338		
13,400.00	7,138.53	7,178.53	7,178.53	182.86	248.88	90.03	1,559.24	-4,385.90	3,148.55	2,720.71	427.83	7.359		
13,500.00	7,138.77	7,178.77	7,178.77	185.66	248.89	90.04	1,559.24	-4,385.90	3,172.89	2,743.56	429.33	7.390		
13,600.00	7,139.01	7,179.01	7,179.01	188.46	248.90	90.04	1,559.24	-4,385.90	3,200.18	2,769.54	430.64	7.431		
13,700.00	7,139.25	7,179.25	7,179.25	191.26	248.90	90.05	1,559.24	-4,385.90	3,230.34	2,798.56	431.78	7.481		
13,800.00	7,139.49	7,179.49	7,179.49	194.06	248.91	90.05	1,559.24	-4,385.90	3,263.28	2,830.54	432.74	7.541		
13,900.00	7,139.73	7,179.73	7,179.73	196.87	248.92	90.05	1,559.24	-4,385.90	3,298.93	2,865.38	433.54	7.609		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,179.97	7,179.97	199.68	248.93	90.06	1,559.24	-4,385.90	3,337.19	2,903.00	434.19	7.686		
14,100.00	7,140.21	7,180.21	7,180.21	202.48	248.94	90.06	1,559.24	-4,385.90	3,377.98	2,943.30	434.68	7.771		
14,200.00	7,140.45	7,180.45	7,180.45	205.29	248.95	90.07	1,559.24	-4,385.90	3,421.21	2,986.17	435.04	7.864		
14,300.00	7,140.69	7,180.69	7,180.69	208.10	248.95	90.07	1,559.24	-4,385.90	3,466.78	3,031.51	435.27	7.965		
14,400.00	7,140.93	7,180.93	7,180.93	210.91	248.96	90.08	1,559.24	-4,385.90	3,514.61	3,079.24	435.37	8.073		
14,500.00	7,141.17	7,181.17	7,181.17	213.73	248.97	90.08	1,559.24	-4,385.90	3,564.60	3,129.23	435.37	8.188		
14,600.00	7,141.41	7,181.41	7,181.41	216.54	248.98	90.09	1,559.24	-4,385.90	3,616.67	3,181.41	435.26	8.309		
14,700.00	7,141.65	7,181.65	7,181.65	219.36	248.99	90.09	1,559.24	-4,385.90	3,670.73	3,235.66	435.07	8.437		
14,800.00	7,141.89	7,181.89	7,181.89	222.17	249.00	90.10	1,559.24	-4,385.90	3,726.68	3,291.90	434.78	8.571		
14,900.00	7,142.13	7,182.13	7,182.13	224.99	249.00	90.10	1,559.24	-4,385.90	3,784.45	3,350.03	434.42	8.711		
15,000.00	7,142.36	7,182.36	7,182.36	227.81	249.01	90.10	1,559.24	-4,385.90	3,843.95	3,409.96	433.99	8.857		
15,100.00	7,142.60	7,182.60	7,182.60	230.63	249.02	90.11	1,559.24	-4,385.90	3,905.11	3,471.61	433.50	9.008		
15,200.00	7,142.84	7,182.84	7,182.84	233.45	249.03	90.11	1,559.24	-4,385.90	3,967.85	3,534.89	432.96	9.164		
15,300.00	7,143.08	7,183.08	7,183.08	236.27	249.04	90.12	1,559.24	-4,385.90	4,032.09	3,599.72	432.37	9.326		
15,400.00	7,143.32	7,183.32	7,183.32	239.09	249.05	90.12	1,559.24	-4,385.90	4,097.76	3,666.02	431.74	9.491		
15,500.00	7,143.56	7,183.56	7,183.56	241.91	249.05	90.13	1,559.24	-4,385.90	4,164.80	3,733.73	431.07	9.662		
15,600.00	7,143.80	7,183.80	7,183.80	244.73	249.06	90.13	1,559.24	-4,385.90	4,233.14	3,802.77	430.37	9.836		
15,700.00	7,144.04	7,184.04	7,184.04	247.56	249.07	90.14	1,559.24	-4,385.90	4,302.72	3,873.08	429.64	10.015		
15,800.00	7,144.28	7,184.28	7,184.28	250.38	249.08	90.14	1,559.24	-4,385.90	4,373.48	3,944.58	428.89	10.197		
15,900.00	7,144.52	7,184.52	7,184.52	253.21	249.09	90.14	1,559.24	-4,385.90	4,445.36	4,017.23	428.13	10.383		
16,000.00	7,144.76	7,184.76	7,184.76	256.03	249.10	90.15	1,559.24	-4,385.90	4,518.31	4,090.96	427.34	10.573		
16,100.00	7,145.00	7,185.00	7,185.00	258.86	249.11	90.15	1,559.24	-4,385.90	4,592.28	4,165.73	426.55	10.766		
16,200.00	7,145.24	7,185.24	7,185.24	261.69	249.11	90.16	1,559.24	-4,385.90	4,667.22	4,241.47	425.75	10.962		
16,300.00	7,145.48	7,185.48	7,185.48	264.52	249.12	90.16	1,559.24	-4,385.90	4,743.08	4,318.14	424.94	11.162		
16,400.00	7,145.72	7,185.72	7,185.72	267.35	249.13	90.17	1,559.24	-4,385.90	4,819.83	4,395.70	424.13	11.364		
16,500.00	7,145.96	7,185.96	7,185.96	270.18	249.14	90.17	1,559.24	-4,385.90	4,897.42	4,474.10	423.32	11.569		
16,600.00	7,146.20	7,186.20	7,186.20	273.01	249.15	90.18	1,559.24	-4,385.90	4,975.80	4,553.30	422.50	11.777		
16,700.00	7,146.44	7,186.44	7,186.44	275.84	249.16	90.18	1,559.24	-4,385.90	5,054.95	4,633.26	421.69	11.987		
16,800.00	7,146.68	7,186.68	7,186.68	278.67	249.16	90.18	1,559.24	-4,385.90	5,134.82	4,713.94	420.89	12.200		
16,900.00	7,146.92	7,186.92	7,186.92	281.50	249.17	90.19	1,559.24	-4,385.90	5,215.39	4,795.31	420.08	12.415		
17,000.00	7,147.16	7,187.16	7,187.16	284.33	249.18	90.19	1,559.24	-4,385.90	5,296.62	4,877.34	419.28	12.633		
17,100.00	7,147.40	7,187.40	7,187.40	287.16	249.19	90.20	1,559.24	-4,385.90	5,378.49	4,960.00	418.49	12.852		
17,200.00	7,147.64	7,187.64	7,187.64	290.00	249.20	90.20	1,559.24	-4,385.90	5,460.96	5,043.25	417.71	13.074		
17,300.00	7,147.88	7,187.88	7,187.88	292.83	249.21	90.21	1,559.24	-4,385.90	5,544.00	5,127.07	416.93	13.297		
17,400.00	7,148.12	7,188.12	7,188.12	295.66	249.21	90.21	1,559.24	-4,385.90	5,627.60	5,211.43	416.17	13.522		
17,500.00	7,148.36	7,188.36	7,188.36	298.50	249.22	90.22	1,559.24	-4,385.90	5,711.72	5,296.31	415.41	13.750		
17,600.00	7,148.60	7,188.60	7,188.60	301.33	249.23	90.22	1,559.24	-4,385.90	5,796.35	5,381.69	414.66	13.978		
17,700.00	7,148.84	7,188.84	7,188.84	304.17	249.24	90.22	1,559.24	-4,385.90	5,881.46	5,467.54	413.93	14.209		
17,800.00	7,149.08	7,189.08	7,189.08	307.00	249.25	90.23	1,559.24	-4,385.90	5,967.04	5,553.84	413.20	14.441		
17,900.00	7,149.32	7,189.32	7,189.32	309.84	249.26	90.23	1,559.24	-4,385.90	6,053.05	5,640.57	412.49	14.675		
18,000.00	7,149.56	7,189.56	7,189.56	312.68	249.26	90.24	1,559.24	-4,385.90	6,139.49	5,727.71	411.78	14.910		
18,100.00	7,149.80	7,189.80	7,189.80	315.51	249.27	90.24	1,559.24	-4,385.90	6,226.34	5,815.25	411.09	15.146		
18,200.00	7,150.04	7,190.04	7,190.04	318.35	249.28	90.25	1,559.24	-4,385.90	6,313.57	5,902.47	411.10	15.358		
18,300.00	7,150.28	7,190.28	7,190.28	321.19	249.29	90.25	1,559.24	-4,385.90	6,401.18	5,990.77	410.41	15.597		
18,400.00	7,150.52	7,190.52	7,190.52	324.03	249.30	90.26	1,559.24	-4,385.90	6,489.14	6,079.41	409.74	15.837		
18,500.00	7,150.76	7,190.76	7,190.76	326.86	249.31	90.26	1,559.24	-4,385.90	6,577.45	6,168.38	409.07	16.079		
18,600.00	7,151.00	7,191.00	7,191.00	329.70	249.32	90.27	1,559.24	-4,385.90	6,666.09	6,257.68	408.42	16.322		
18,700.00	7,151.24	7,191.24	7,191.24	332.54	249.33	90.27	1,559.24	-4,385.90	6,755.05	6,347.28	407.77	16.566		
18,800.00	7,151.48	7,191.48	7,191.48	335.38	249.34	90.27	1,559.24	-4,385.90	6,844.31	6,437.17	407.14	16.811		
18,900.00	7,151.72	7,191.72	7,191.72	338.22	249.35	90.28	1,559.24	-4,385.90	6,933.87	6,527.35	406.52	17.057		
19,000.00	7,151.96	7,191.96	7,191.96	341.06	249.36	90.28	1,559.24	-4,385.90	7,023.71	6,617.79	405.91	17.304		
19,018.30	7,152.00	7,192.00	7,192.00	341.58	249.37	90.28	1,559.24	-4,385.90	7,040.17	6,634.37	405.80	17.349		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	164.10	-3,586.57	1,021.88	3,729.31					
100.00	100.00	78.96	78.96	3.28	3.28	164.10	-3,586.83	1,021.56	3,729.50	3,722.93	6.57	567.710		
200.00	200.00	168.97	168.96	3.34	3.32	164.12	-3,587.57	1,020.82	3,730.06	3,723.40	6.66	560.179		
300.00	299.98	291.68	291.66	3.44	3.44	26.90	-3,588.25	1,020.58	3,729.01	3,722.12	6.88	541.748		
400.00	399.84	384.84	384.83	3.59	3.58	26.97	-3,588.30	1,020.76	3,724.45	3,717.28	7.18	519.010		
500.00	499.45	491.32	491.31	3.80	3.79	27.10	-3,588.41	1,021.11	3,716.87	3,709.29	7.58	490.104		
600.00	598.70	584.70	584.69	4.04	4.01	27.27	-3,588.40	1,021.56	3,706.13	3,698.09	8.04	460.785		
700.00	697.47	686.90	686.89	4.32	4.28	27.51	-3,588.51	1,021.87	3,692.40	3,683.81	8.59	429.722		
800.00	795.62	793.37	793.36	4.65	4.59	27.81	-3,588.42	1,022.27	3,675.45	3,666.24	9.21	398.949		
900.00	893.06	898.95	898.94	5.01	4.91	28.18	-3,588.07	1,022.68	3,655.27	3,645.39	9.88	370.013		
1,000.00	989.64	982.95	982.93	5.42	5.19	28.57	-3,587.89	1,022.85	3,632.17	3,621.65	10.52	345.285		
1,044.50	1,032.32	1,022.53	1,022.52	5.61	5.32	28.76	-3,587.91	1,022.91	3,621.04	3,610.22	10.83	334.465		
1,100.00	1,085.43	1,074.49	1,074.47	5.86	5.50	28.88	-3,587.96	1,022.97	3,606.84	3,595.62	11.22	321.461		
1,200.00	1,181.11	1,173.65	1,173.64	6.33	5.85	29.11	-3,588.06	1,023.00	3,581.28	3,569.32	11.96	299.413		
1,300.00	1,276.80	1,263.43	1,263.41	6.81	6.17	29.33	-3,588.14	1,023.00	3,555.75	3,543.05	12.69	280.130		
1,400.00	1,372.49	1,366.82	1,366.81	7.31	6.54	29.57	-3,588.32	1,023.12	3,530.38	3,516.89	13.50	261.598		
1,500.00	1,468.17	1,462.80	1,462.78	7.83	6.90	29.80	-3,588.22	1,023.13	3,504.79	3,490.50	14.29	245.316		
1,600.00	1,563.86	1,558.65	1,558.63	8.35	7.26	30.04	-3,588.30	1,022.90	3,479.36	3,464.27	15.09	230.589		
1,700.00	1,659.55	1,649.99	1,649.97	8.88	7.60	30.27	-3,588.32	1,022.73	3,453.95	3,438.06	15.89	217.380		
1,800.00	1,755.23	1,738.07	1,738.06	9.42	7.94	30.50	-3,588.61	1,022.50	3,428.86	3,412.16	16.69	205.426		
1,900.00	1,850.92	1,830.81	1,830.79	9.97	8.30	30.75	-3,589.05	1,022.09	3,403.93	3,386.41	17.52	194.264		
2,000.00	1,946.61	1,927.61	1,927.59	10.52	8.68	31.01	-3,589.60	1,021.67	3,379.17	3,360.79	18.38	183.885		
2,100.00	2,042.29	2,032.32	2,032.30	11.07	9.10	31.30	-3,589.94	1,020.98	3,354.18	3,334.91	19.27	174.102		
2,200.00	2,137.98	2,125.49	2,125.46	11.63	9.47	31.56	-3,590.33	1,020.13	3,329.31	3,309.18	20.12	165.467		
2,300.00	2,233.67	2,229.02	2,228.98	12.19	9.89	31.86	-3,590.58	1,019.08	3,304.31	3,283.30	21.02	157.210		
2,400.00	2,329.35	2,320.74	2,320.70	12.76	10.26	32.14	-3,590.83	1,018.05	3,279.41	3,257.53	21.88	149.874		
2,500.00	2,425.04	2,416.35	2,416.31	13.32	10.65	32.42	-3,591.09	1,017.19	3,254.63	3,231.86	22.76	142.976		
2,600.00	2,520.72	2,513.57	2,513.52	13.89	11.05	32.71	-3,591.32	1,016.38	3,229.91	3,206.25	23.66	136.536		
2,700.00	2,616.41	2,615.46	2,615.41	14.46	11.47	33.03	-3,591.44	1,015.40	3,205.12	3,180.56	24.57	130.454		
2,800.00	2,712.10	2,711.85	2,711.79	15.03	11.87	33.33	-3,591.43	1,014.62	3,180.34	3,154.87	25.47	124.883		
2,900.00	2,807.78	2,812.10	2,812.04	15.60	12.28	33.64	-3,591.32	1,013.84	3,155.54	3,129.16	26.38	119.617		
3,000.00	2,903.47	2,898.84	2,898.77	16.18	12.65	33.92	-3,591.32	1,013.04	3,130.91	3,103.66	27.25	114.879		
3,100.00	2,999.16	2,986.24	2,986.17	16.75	13.01	34.20	-3,591.53	1,012.29	3,106.61	3,078.47	28.13	110.418		
3,200.00	3,094.84	3,083.07	3,083.00	17.33	13.42	34.52	-3,591.86	1,011.69	3,082.52	3,053.47	29.05	106.107		
3,300.00	3,190.53	3,173.16	3,173.09	17.90	13.80	34.81	-3,592.14	1,011.43	3,058.55	3,028.60	29.95	102.136		
3,400.00	3,286.22	3,267.49	3,267.42	18.48	14.19	35.11	-3,592.53	1,011.49	3,034.82	3,003.96	30.86	98.352		
3,500.00	3,381.90	3,366.02	3,365.94	19.06	14.61	35.44	-3,592.93	1,011.42	3,011.14	2,979.35	31.78	94.737		
3,600.00	3,477.59	3,457.01	3,456.93	19.64	14.99	35.74	-3,593.26	1,011.46	2,987.52	2,954.83	32.69	91.390		
3,700.00	3,573.28	3,552.60	3,552.53	20.22	15.39	36.06	-3,593.80	1,011.47	2,964.20	2,930.58	33.61	88.184		
3,800.00	3,668.96	3,647.28	3,647.20	20.80	15.80	36.40	-3,594.27	1,011.10	2,940.85	2,906.31	34.54	85.144		
3,900.00	3,764.65	3,741.98	3,741.90	21.38	16.20	36.73	-3,594.93	1,010.76	2,917.78	2,882.31	35.47	82.264		
4,000.00	3,860.33	3,845.70	3,845.62	21.96	16.64	37.10	-3,595.37	1,010.65	2,894.60	2,858.17	36.43	79.463		
4,100.00	3,956.02	3,943.86	3,943.78	22.54	17.06	37.46	-3,595.62	1,010.55	2,871.35	2,833.98	37.37	76.836		
4,200.00	4,051.71	4,040.87	4,040.79	23.13	17.47	37.81	-3,595.82	1,010.59	2,848.18	2,809.87	38.31	74.347		
4,300.00	4,147.39	4,138.21	4,138.13	23.71	17.88	38.17	-3,595.94	1,010.70	2,825.04	2,785.79	39.25	71.979		
4,400.00	4,243.08	4,232.47	4,232.38	24.29	18.27	38.52	-3,596.01	1,011.09	2,801.99	2,761.82	40.18	69.742		
4,500.00	4,338.77	4,325.74	4,325.66	24.88	18.66	38.87	-3,596.21	1,011.42	2,779.17	2,738.06	41.11	67.611		
4,600.00	4,434.45	4,422.67	4,422.58	25.46	19.07	39.24	-3,596.36	1,012.00	2,756.42	2,714.38	42.05	65.556		
4,700.00	4,530.14	4,513.85	4,513.76	26.04	19.45	39.59	-3,596.60	1,012.50	2,733.89	2,690.91	42.98	63.615		
4,800.00	4,625.83	4,608.02	4,607.93	26.63	19.85	39.96	-3,596.96	1,012.87	2,711.57	2,667.65	43.92	61.741		
4,900.00	4,721.51	4,704.67	4,704.58	27.21	20.26	40.34	-3,597.34	1,013.26	2,689.38	2,644.51	44.87	59.936		
5,000.00	4,817.20	4,784.63	4,784.53	27.80	20.60	40.67	-3,597.90	1,013.59	2,667.60	2,621.82	45.78	58.267		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,876.43	4,876.33	28.38	20.99	41.05	-3,598.92	1,013.77	2,646.32	2,599.59	46.73	56.629		
5,200.00	5,008.57	4,972.03	4,971.92	28.97	21.40	41.46	-3,600.04	1,013.68	2,625.23	2,577.54	47.69	55.043		
5,300.00	5,104.26	5,074.41	5,074.30	29.55	21.85	41.91	-3,601.16	1,013.35	2,604.19	2,555.51	48.68	53.497		
5,400.00	5,199.94	5,170.21	5,170.09	30.14	22.26	42.35	-3,602.01	1,012.89	2,583.10	2,533.45	49.65	52.027		
5,500.00	5,295.63	5,270.47	5,270.34	30.72	22.69	42.80	-3,602.90	1,012.64	2,562.16	2,511.52	50.63	50.603		
5,600.00	5,391.32	5,375.03	5,374.91	31.31	23.14	43.28	-3,603.52	1,012.61	2,541.08	2,489.45	51.63	49.218		
5,700.00	5,487.00	5,482.49	5,482.36	31.90	23.60	43.78	-3,603.72	1,012.50	2,519.76	2,467.14	52.63	47.879		
5,800.00	5,582.69	5,569.02	5,568.90	32.48	23.97	44.19	-3,603.77	1,012.25	2,498.48	2,444.90	53.58	46.631		
5,900.00	5,678.38	5,671.19	5,671.06	33.07	24.40	44.68	-3,604.09	1,012.11	2,477.62	2,423.05	54.57	45.405		
6,000.00	5,774.06	5,768.76	5,768.63	33.65	24.81	45.16	-3,604.03	1,012.23	2,456.54	2,401.00	55.54	44.230		
6,100.00	5,869.75	5,859.42	5,859.29	34.24	25.19	45.60	-3,604.10	1,012.54	2,435.75	2,379.24	56.50	43.107		
6,200.00	5,965.44	5,958.87	5,958.74	34.83	25.61	46.09	-3,604.30	1,012.75	2,415.25	2,357.75	57.49	42.010		
6,300.00	6,061.12	6,052.79	6,052.66	35.41	26.00	46.57	-3,604.26	1,012.81	2,394.69	2,336.22	58.47	40.957		
6,400.00	6,156.81	6,148.38	6,148.25	36.00	26.40	47.07	-3,604.48	1,013.02	2,374.56	2,315.11	59.45	39.941		
6,500.00	6,252.50	6,251.19	6,251.06	36.59	26.83	47.60	-3,604.40	1,013.19	2,354.32	2,293.87	60.45	38.946		
6,600.00	6,348.18	6,352.14	6,352.01	37.18	27.25	48.14	-3,604.14	1,013.54	2,334.08	2,272.63	61.44	37.987		
6,636.04	6,382.67	6,389.29	6,389.17	37.39	27.40	48.34	-3,603.96	1,013.59	2,326.76	2,264.96	61.80	37.648		
6,650.00	6,396.05	6,403.70	6,403.57	37.47	27.46	44.87	-3,603.88	1,013.60	2,323.90	2,261.96	61.94	37.518		
6,700.00	6,444.38	6,447.68	6,447.56	37.74	27.65	29.50	-3,603.68	1,013.64	2,313.43	2,251.03	62.40	37.074		
6,750.00	6,493.07	6,492.58	6,492.45	37.98	27.83	9.95	-3,603.54	1,013.73	2,302.62	2,239.80	62.82	36.652		
6,800.00	6,541.82	6,541.80	6,541.67	38.18	28.04	-10.70	-3,603.44	1,013.84	2,291.49	2,228.27	63.22	36.246		
6,850.00	6,590.35	6,591.60	6,591.47	38.35	28.24	-28.43	-3,603.30	1,013.87	2,280.04	2,216.44	63.59	35.855		
6,900.00	6,638.34	6,647.86	6,647.73	38.50	28.48	-41.91	-3,603.03	1,013.85	2,268.29	2,204.34	63.95	35.468		
6,950.00	6,685.50	6,704.45	6,704.31	38.64	28.71	-51.91	-3,602.52	1,013.86	2,256.26	2,191.95	64.30	35.088		
7,000.00	6,731.54	6,751.73	6,751.59	38.77	28.91	-59.46	-3,602.00	1,013.88	2,244.17	2,179.54	64.63	34.724		
7,050.00	6,776.18	6,798.10	6,797.96	38.90	29.10	-65.43	-3,601.44	1,013.93	2,232.24	2,167.29	64.95	34.369		
7,100.00	6,819.14	6,839.93	6,839.79	39.03	29.28	-70.29	-3,600.93	1,014.04	2,220.68	2,155.42	65.26	34.026		
7,150.00	6,860.16	6,921.00	6,878.86	39.16	29.61	-74.35	-3,600.48	1,014.24	2,209.70	2,143.95	65.75	33.608		
7,200.00	6,898.98	6,917.46	6,917.31	39.31	29.60	-77.85	-3,600.06	1,014.57	2,199.50	2,133.61	65.89	33.383		
7,250.00	6,935.36	6,953.47	6,953.32	39.47	29.75	-80.87	-3,599.67	1,014.87	2,190.25	2,124.05	66.20	33.083		
7,300.00	6,969.08	6,986.80	6,986.64	39.65	29.89	-83.48	-3,599.30	1,015.15	2,182.15	2,115.62	66.53	32.800		
7,350.00	6,999.94	7,017.25	7,017.09	39.85	30.02	-85.71	-3,598.97	1,015.41	2,175.39	2,108.53	66.86	32.536		
7,400.00	7,027.74	7,044.62	7,044.46	40.08	30.13	-87.57	-3,598.67	1,015.64	2,170.15	2,102.94	67.21	32.291		
7,450.00	7,052.31	7,068.76	7,068.60	40.34	30.23	-89.09	-3,598.41	1,015.85	2,166.59	2,099.02	67.56	32.067		
7,500.00	7,073.49	7,089.51	7,089.34	40.63	30.32	-90.25	-3,598.18	1,016.02	2,164.85	2,096.91	67.94	31.865		
7,520.06	7,081.01	7,096.85	7,096.68	40.76	30.35	-90.61	-3,598.10	1,016.08	2,164.69	2,096.60	68.10	31.788 CC, ES		
7,550.00	7,091.17	7,106.74	7,106.57	40.95	30.39	-91.06	-3,597.99	1,016.17	2,165.05	2,096.72	68.33	31.686		
7,600.00	7,105.22	7,120.35	7,120.18	41.31	30.45	-91.51	-3,597.85	1,016.28	2,167.27	2,098.54	68.73	31.531		
7,650.00	7,115.57	7,130.25	7,130.08	41.71	30.49	-91.61	-3,597.74	1,016.37	2,171.56	2,102.40	69.15	31.402		
7,700.00	7,122.15	7,136.39	7,136.22	42.15	30.52	-91.34	-3,597.67	1,016.42	2,177.93	2,108.35	69.58	31.301		
7,750.00	7,124.91	7,138.72	7,138.55	42.62	30.53	-90.71	-3,597.64	1,016.44	2,186.35	2,116.34	70.01	31.228		
7,759.54	7,125.00	7,138.73	7,138.56	42.72	30.53	-90.55	-3,597.64	1,016.44	2,188.19	2,118.09	70.09	31.218		
7,800.00	7,125.10	7,138.48	7,138.31	43.13	30.52	-90.54	-3,597.65	1,016.43	2,196.49	2,126.03	70.45	31.177		
7,900.00	7,125.34	7,137.86	7,137.69	44.28	30.52	-90.53	-3,597.65	1,016.43	2,220.03	2,148.62	71.42	31.085		
8,000.00	7,125.58	7,137.24	7,137.07	45.61	30.52	-90.51	-3,597.66	1,016.42	2,247.79	2,175.32	72.47	31.017		
8,100.00	7,125.82	7,136.63	7,136.46	47.10	30.52	-90.49	-3,597.67	1,016.42	2,279.59	2,206.01	73.58	30.981 SF		
8,200.00	7,126.06	7,136.01	7,135.84	48.72	30.51	-90.48	-3,597.67	1,016.41	2,315.28	2,240.55	74.73	30.983		
8,300.00	7,126.30	7,135.39	7,135.23	50.48	30.51	-90.46	-3,597.68	1,016.41	2,354.68	2,278.79	75.89	31.027		
8,400.00	7,126.54	7,134.78	7,134.61	52.34	30.51	-90.44	-3,597.69	1,016.40	2,397.60	2,320.55	77.05	31.116		
8,500.00	7,126.78	7,134.16	7,133.99	54.30	30.51	-90.43	-3,597.69	1,016.40	2,443.87	2,365.66	78.20	31.250		
8,600.00	7,127.02	7,133.54	7,133.38	56.35	30.50	-90.41	-3,597.70	1,016.39	2,493.28	2,413.96	79.33	31.431		
8,700.00	7,127.26	7,132.93	7,132.76	58.47	30.50	-90.39	-3,597.71	1,016.39	2,545.67	2,465.26	80.42	31.656		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,132.31	7,132.14	60.66	30.50	-90.38	-3,597.71	1,016.38	2,600.85	2,519.39	81.47	31.926		
8,900.00	7,127.74	7,131.69	7,131.53	62.90	30.50	-90.36	-3,597.72	1,016.38	2,658.65	2,576.18	82.47	32.237		
9,000.00	7,127.98	7,131.08	7,130.91	65.19	30.49	-90.35	-3,597.73	1,016.37	2,718.90	2,635.47	83.43	32.589		
9,100.00	7,128.22	7,130.46	7,130.29	67.53	30.49	-90.33	-3,597.73	1,016.37	2,781.44	2,697.10	84.34	32.979		
9,200.00	7,128.46	7,129.85	7,129.68	69.92	30.49	-90.31	-3,597.74	1,016.36	2,846.11	2,760.91	85.20	33.404		
9,300.00	7,128.70	7,129.23	7,129.06	72.33	30.49	-90.30	-3,597.75	1,016.36	2,912.79	2,826.77	86.02	33.862		
9,400.00	7,128.94	7,128.61	7,128.44	74.78	30.48	-90.28	-3,597.76	1,016.35	2,981.33	2,894.54	86.79	34.352		
9,500.00	7,129.18	7,128.00	7,127.83	77.26	30.48	-90.26	-3,597.76	1,016.35	3,051.61	2,964.10	87.51	34.871		
9,600.00	7,129.42	7,127.38	7,127.21	79.76	30.48	-90.25	-3,597.77	1,016.34	3,123.51	3,035.31	88.19	35.417		
9,700.00	7,129.66	7,126.76	7,126.59	82.29	30.48	-90.23	-3,597.78	1,016.34	3,196.92	3,108.08	88.83	35.988		
9,800.00	7,129.90	7,126.15	7,125.98	84.84	30.47	-90.21	-3,597.78	1,016.33	3,271.73	3,182.30	89.44	36.582		
9,900.00	7,130.14	7,125.53	7,125.36	87.41	30.47	-90.20	-3,597.79	1,016.33	3,347.87	3,257.87	90.00	37.198		
10,000.00	7,130.38	7,124.91	7,124.74	90.00	30.47	-90.18	-3,597.80	1,016.32	3,425.23	3,334.70	90.53	37.834		
10,100.00	7,130.62	7,124.30	7,124.13	92.60	30.47	-90.16	-3,597.80	1,016.31	3,503.74	3,412.71	91.03	38.489		
10,200.00	7,130.86	7,123.68	7,123.51	95.22	30.46	-90.15	-3,597.81	1,016.31	3,583.31	3,491.81	91.50	39.162		
10,300.00	7,131.09	7,123.06	7,122.89	97.85	30.46	-90.13	-3,597.82	1,016.30	3,663.89	3,571.95	91.94	39.851		
10,400.00	7,131.33	7,122.45	7,122.28	100.50	30.46	-90.11	-3,597.82	1,016.30	3,745.41	3,653.05	92.36	40.554		
10,500.00	7,131.57	7,121.83	7,121.66	103.16	30.46	-90.10	-3,597.83	1,016.29	3,827.80	3,735.05	92.75	41.272		
10,600.00	7,131.81	7,121.21	7,121.04	105.82	30.45	-90.08	-3,597.84	1,016.29	3,911.01	3,817.90	93.11	42.003		
10,700.00	7,132.05	7,120.60	7,120.43	108.50	30.45	-90.07	-3,597.84	1,016.28	3,995.00	3,901.54	93.46	42.745		
10,800.00	7,132.29	7,119.98	7,119.81	111.19	30.45	-90.05	-3,597.85	1,016.28	4,079.70	3,985.91	93.79	43.499		
10,900.00	7,132.53	7,119.36	7,119.19	113.88	30.44	-90.03	-3,597.86	1,016.27	4,165.09	4,070.99	94.10	44.264		
11,000.00	7,132.77	7,118.75	7,118.58	116.58	30.44	-90.02	-3,597.86	1,016.27	4,251.11	4,156.72	94.39	45.039		
11,100.00	7,133.01	7,118.13	7,117.96	119.29	30.44	-90.00	-3,597.87	1,016.26	4,337.73	4,243.06	94.66	45.822		
11,200.00	7,133.25	7,117.51	7,117.34	122.01	30.44	-89.98	-3,597.88	1,016.26	4,424.91	4,329.99	94.93	46.614		
11,300.00	7,133.49	7,116.90	7,116.73	124.73	30.43	-89.97	-3,597.88	1,016.25	4,512.63	4,417.45	95.17	47.415		
11,400.00	7,133.73	7,116.28	7,116.11	127.46	30.43	-89.95	-3,597.89	1,016.25	4,600.84	4,505.44	95.41	48.222		
11,500.00	7,133.97	7,115.66	7,115.49	130.19	30.43	-89.93	-3,597.90	1,016.24	4,689.53	4,593.90	95.63	49.037		
11,600.00	7,134.21	7,115.05	7,114.88	132.93	30.43	-89.92	-3,597.90	1,016.24	4,778.67	4,682.83	95.84	49.858		
11,700.00	7,134.45	7,114.43	7,114.26	135.68	30.42	-89.90	-3,597.91	1,016.23	4,868.23	4,772.18	96.05	50.686		
11,800.00	7,134.69	7,113.81	7,113.64	138.43	30.42	-89.88	-3,597.92	1,016.23	4,958.19	4,861.95	96.24	51.519		
11,900.00	7,134.93	7,113.20	7,113.03	141.18	30.42	-89.87	-3,597.92	1,016.22	5,048.52	4,952.10	96.42	52.357		
12,000.00	7,135.17	7,112.58	7,112.41	143.94	30.42	-89.85	-3,597.93	1,016.22	5,139.22	5,042.62	96.60	53.201		
12,100.00	7,135.41	7,111.96	7,111.79	146.70	30.41	-89.84	-3,597.94	1,016.21	5,230.25	5,133.48	96.77	54.049		
12,200.00	7,135.65	7,111.35	7,111.18	149.46	30.41	-89.82	-3,597.94	1,016.21	5,321.60	5,224.67	96.93	54.902		
12,300.00	7,135.89	7,110.73	7,110.56	152.23	30.41	-89.80	-3,597.95	1,016.20	5,413.26	5,316.18	97.08	55.759		
12,400.00	7,136.13	7,110.11	7,109.95	155.00	30.41	-89.79	-3,597.96	1,016.19	5,505.21	5,407.98	97.23	56.619		
12,500.00	7,136.37	7,109.50	7,109.33	157.78	30.40	-89.77	-3,597.96	1,016.19	5,597.44	5,500.07	97.37	57.484		
12,600.00	7,136.61	7,108.88	7,108.71	160.55	30.40	-89.75	-3,597.97	1,016.18	5,689.93	5,592.42	97.51	58.351		
12,700.00	7,136.85	7,108.26	7,108.10	163.33	30.40	-89.74	-3,597.98	1,016.18	5,782.67	5,685.02	97.64	59.222		
12,800.00	7,137.09	7,107.65	7,107.48	166.12	30.40	-89.72	-3,597.98	1,016.17	5,875.64	5,777.87	97.77	60.096		
12,900.00	7,137.33	7,107.03	7,106.86	168.90	30.39	-89.70	-3,597.99	1,016.17	5,968.85	5,870.95	97.89	60.973		
13,000.00	7,137.57	7,106.41	7,106.25	171.69	30.39	-89.69	-3,598.00	1,016.16	6,062.27	5,964.26	98.01	61.852		
13,100.00	7,137.81	7,105.80	7,105.63	174.48	30.39	-89.67	-3,598.00	1,016.16	6,155.90	6,057.77	98.13	62.734		
13,200.00	7,138.05	7,105.18	7,105.01	177.27	30.39	-89.65	-3,598.01	1,016.15	6,249.72	6,151.48	98.24	63.618		
13,300.00	7,138.29	7,104.56	7,104.40	180.07	30.38	-89.64	-3,598.02	1,016.15	6,343.73	6,245.39	98.35	64.504		
13,400.00	7,138.53	7,103.95	7,103.78	182.86	30.38	-89.62	-3,598.02	1,016.14	6,437.93	6,339.48	98.45	65.392		
13,500.00	7,138.77	7,103.33	7,103.16	185.66	30.38	-89.60	-3,598.03	1,016.14	6,532.29	6,433.74	98.55	66.282		
13,600.00	7,139.01	7,102.71	7,102.55	188.46	30.38	-89.59	-3,598.04	1,016.13	6,626.82	6,528.17	98.65	67.174		
13,700.00	7,139.25	7,102.10	7,101.93	191.26	30.37	-89.57	-3,598.04	1,016.13	6,721.51	6,622.77	98.75	68.067		
13,800.00	7,139.49	7,101.48	7,101.31	194.06	30.37	-89.56	-3,598.05	1,016.12	6,816.36	6,717.51	98.84	68.961		
13,900.00	7,139.73	7,100.86	7,100.70	196.87	30.37	-89.54	-3,598.06	1,016.12	6,911.34	6,812.41	98.93	69.858		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,100.25	7,100.08	199.68	30.36	-89.52	-3,598.06	1,016.11	7,006.47	6,907.44	99.02	70.755		
14,100.00	7,140.21	7,099.63	7,099.46	202.48	30.36	-89.51	-3,598.07	1,016.11	7,101.73	7,002.62	99.11	71.653		
14,200.00	7,140.45	7,099.01	7,098.85	205.29	30.36	-89.49	-3,598.08	1,016.10	7,197.12	7,097.92	99.20	72.553		
14,300.00	7,140.69	7,098.40	7,098.23	208.10	30.36	-89.47	-3,598.08	1,016.10	7,292.63	7,193.35	99.28	73.453		
14,400.00	7,140.93	7,097.78	7,097.61	210.91	30.35	-89.46	-3,598.09	1,016.09	7,388.26	7,288.89	99.37	74.355		
14,500.00	7,141.17	7,097.16	7,097.00	213.73	30.35	-89.44	-3,598.10	1,016.09	7,484.00	7,384.56	99.45	75.257		
14,600.00	7,141.41	7,096.55	7,096.38	216.54	30.35	-89.42	-3,598.11	1,016.08	7,579.86	7,480.33	99.53	76.160		
14,700.00	7,141.65	7,095.93	7,095.76	219.36	30.35	-89.41	-3,598.11	1,016.07	7,675.82	7,576.21	99.60	77.063		
14,800.00	7,141.89	7,095.31	7,095.15	222.17	30.34	-89.39	-3,598.12	1,016.07	7,771.88	7,672.20	99.68	77.967		
14,900.00	7,142.13	7,094.70	7,094.53	224.99	30.34	-89.37	-3,598.13	1,016.06	7,868.04	7,768.28	99.76	78.872		
15,000.00	7,142.36	7,094.08	7,093.91	227.81	30.34	-89.36	-3,598.13	1,016.06	7,964.30	7,864.46	99.83	79.777		
15,100.00	7,142.60	7,093.46	7,093.30	230.63	30.34	-89.34	-3,598.14	1,016.05	8,060.64	7,960.74	99.91	80.682		
15,200.00	7,142.84	7,092.85	7,092.68	233.45	30.33	-89.32	-3,598.15	1,016.05	8,157.08	8,057.10	99.98	81.588		
15,300.00	7,143.08	7,092.23	7,092.06	236.27	30.33	-89.31	-3,598.15	1,016.04	8,253.59	8,153.54	100.05	82.494		
15,400.00	7,143.32	7,091.61	7,091.45	239.09	30.33	-89.29	-3,598.16	1,016.04	8,350.19	8,250.07	100.12	83.400		
15,500.00	7,143.56	7,091.00	7,090.83	241.91	30.33	-89.28	-3,598.17	1,016.03	8,446.87	8,346.68	100.19	84.306		
15,600.00	7,143.80	7,090.38	7,090.21	244.73	30.32	-89.26	-3,598.17	1,016.03	8,543.63	8,443.37	100.26	85.212		
15,700.00	7,144.04	7,089.76	7,089.60	247.56	30.32	-89.24	-3,598.18	1,016.02	8,640.46	8,540.13	100.33	86.119		
15,800.00	7,144.28	7,089.15	7,088.98	250.38	30.32	-89.23	-3,598.19	1,016.02	8,737.36	8,636.96	100.40	87.025		
15,900.00	7,144.52	7,088.53	7,088.36	253.21	30.32	-89.21	-3,598.19	1,016.01	8,834.33	8,733.86	100.47	87.931		
16,000.00	7,144.76	7,087.91	7,087.75	256.03	30.31	-89.19	-3,598.20	1,016.01	8,931.37	8,830.83	100.54	88.837		
16,100.00	7,145.00	7,087.30	7,087.13	258.86	30.31	-89.18	-3,598.21	1,016.00	9,028.47	8,927.87	100.60	89.743		
16,200.00	7,145.24	7,086.68	7,086.52	261.69	30.31	-89.16	-3,598.21	1,016.00	9,125.63	9,024.96	100.67	90.648		
16,300.00	7,145.48	7,086.06	7,085.90	264.52	30.31	-89.14	-3,598.22	1,015.99	9,222.86	9,122.12	100.74	91.554		
16,400.00	7,145.72	7,085.45	7,085.28	267.35	30.30	-89.13	-3,598.23	1,015.99	9,320.14	9,219.34	100.80	92.459		
16,500.00	7,145.96	7,084.83	7,084.67	270.18	30.30	-89.11	-3,598.23	1,015.98	9,417.48	9,316.61	100.87	93.364		
16,600.00	7,146.20	7,084.21	7,084.05	273.01	30.30	-89.09	-3,598.24	1,015.98	9,514.88	9,413.94	100.93	94.268		
16,700.00	7,146.44	7,083.60	7,083.43	275.84	30.30	-89.08	-3,598.25	1,015.97	9,612.33	9,511.33	101.00	95.172		
16,800.00	7,146.68	7,082.98	7,082.82	278.67	30.29	-89.06	-3,598.25	1,015.97	9,709.83	9,608.76	101.06	96.076		
16,900.00	7,146.92	7,082.36	7,082.20	281.50	30.29	-89.04	-3,598.26	1,015.96	9,807.38	9,706.25	101.13	96.979		
17,000.00	7,147.16	7,081.75	7,081.58	284.33	30.29	-89.03	-3,598.27	1,015.95	9,904.98	9,803.78	101.19	97.881		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.64	-1,080.88	985.62	1,463.23					
100.00	100.00	69.24	69.24	3.28	3.28	137.64	-1,080.82	985.50	1,462.68	1,456.11	6.57	222.693		
200.00	200.00	173.56	173.56	3.34	3.32	137.65	-1,080.53	984.98	1,462.13	1,455.47	6.66	219.543		
300.00	299.98	271.53	271.53	3.44	3.42	0.41	-1,080.18	984.46	1,459.76	1,452.91	6.86	212.914		
400.00	399.84	373.77	373.77	3.59	3.56	0.41	-1,079.86	983.99	1,453.99	1,446.83	7.16	203.148		
500.00	499.45	475.97	475.96	3.80	3.76	0.42	-1,079.35	983.34	1,444.48	1,436.93	7.55	191.269		
600.00	598.70	575.13	575.12	4.04	3.98	0.43	-1,078.77	982.68	1,431.42	1,423.40	8.02	178.489		
700.00	697.47	675.16	675.15	4.32	4.24	0.45	-1,078.23	981.94	1,414.89	1,406.34	8.56	165.367		
800.00	795.62	775.28	775.26	4.65	4.52	0.47	-1,077.68	980.99	1,394.79	1,385.64	9.15	152.453		
900.00	893.06	871.89	871.86	5.01	4.82	0.50	-1,077.14	979.97	1,371.20	1,361.43	9.78	140.234		
1,000.00	989.64	968.97	968.93	5.42	5.13	0.53	-1,076.61	978.99	1,344.28	1,333.83	10.45	128.672		
1,044.50	1,032.32	1,011.88	1,011.84	5.61	5.27	0.55	-1,076.39	978.48	1,331.19	1,320.43	10.76	123.726		
1,100.00	1,085.43	1,064.12	1,064.08	5.86	5.45	0.57	-1,076.14	977.87	1,314.46	1,303.32	11.14	117.969		
1,200.00	1,181.11	1,158.44	1,158.39	6.33	5.78	0.60	-1,075.69	976.87	1,284.38	1,272.53	11.85	108.394		
1,300.00	1,276.80	1,255.22	1,255.17	6.81	6.13	0.63	-1,075.09	976.02	1,254.33	1,241.74	12.59	99.650		
1,400.00	1,372.49	1,351.33	1,351.27	7.31	6.48	0.65	-1,074.39	975.04	1,224.11	1,210.77	13.34	91.743		
1,500.00	1,468.17	1,445.87	1,445.80	7.83	6.83	0.69	-1,073.80	974.05	1,193.95	1,179.84	14.11	84.617		
1,600.00	1,563.86	1,540.31	1,540.23	8.35	7.19	0.71	-1,073.15	973.20	1,163.83	1,148.94	14.89	78.156		
1,700.00	1,659.55	1,634.37	1,634.29	8.88	7.55	0.74	-1,072.54	972.48	1,133.82	1,118.14	15.68	72.296		
1,800.00	1,755.23	1,729.96	1,729.87	9.42	7.92	0.78	-1,072.19	971.55	1,103.89	1,087.40	16.49	66.946		
1,900.00	1,850.92	1,824.69	1,824.60	9.97	8.29	0.83	-1,071.74	970.58	1,073.85	1,056.55	17.30	62.066		
2,000.00	1,946.61	1,912.98	1,912.88	10.52	8.64	0.86	-1,071.52	970.12	1,044.29	1,026.19	18.11	57.672		
2,100.00	2,042.29	2,005.43	2,005.34	11.07	9.01	0.91	-1,071.75	969.79	1,015.19	996.26	18.93	53.631		
2,200.00	2,137.98	2,099.28	2,099.19	11.63	9.38	0.97	-1,072.33	969.41	986.32	966.56	19.76	49.919		
2,300.00	2,233.67	2,194.17	2,194.07	12.19	9.76	1.04	-1,072.99	969.14	957.58	936.99	20.59	46.496		
2,400.00	2,329.35	2,290.88	2,290.88	12.76	10.15	1.12	-1,073.68	968.84	928.85	907.41	21.44	43.324		
2,500.00	2,425.04	2,386.88	2,386.78	13.32	10.54	1.22	-1,074.46	968.33	900.04	877.76	22.29	40.385		
2,600.00	2,520.72	2,481.36	2,481.24	13.89	10.92	1.31	-1,075.22	967.92	871.30	848.16	23.14	37.660		
2,700.00	2,616.41	2,577.11	2,577.00	14.46	11.31	1.40	-1,075.98	967.67	842.65	818.66	23.99	35.126		
2,800.00	2,712.10	2,672.04	2,671.92	15.03	11.70	1.51	-1,076.76	967.42	814.03	789.19	24.85	32.764		
2,900.00	2,807.78	2,768.26	2,768.13	15.60	12.10	1.62	-1,077.61	967.20	785.48	759.78	25.70	30.558		
3,000.00	2,903.47	2,863.08	2,862.95	16.18	12.49	1.72	-1,078.31	967.11	756.91	730.34	26.57	28.491		
3,100.00	2,999.16	2,958.58	2,958.45	16.75	12.88	1.84	-1,079.16	967.09	728.50	701.07	27.43	26.558		
3,200.00	3,094.84	3,055.05	3,054.92	17.33	13.28	1.96	-1,079.98	967.03	700.04	671.75	28.30	24.740		
3,300.00	3,190.53	3,152.14	3,152.00	17.90	13.68	2.11	-1,080.81	966.81	671.48	642.31	29.16	23.025		
3,400.00	3,286.22	3,248.35	3,248.21	18.48	14.08	2.26	-1,081.41	966.54	642.72	612.69	30.03	21.402		
3,500.00	3,381.90	3,342.37	3,342.23	19.06	14.47	2.43	-1,082.10	966.33	614.09	583.18	30.91	19.870		
3,600.00	3,477.59	3,433.81	3,433.66	19.64	14.85	2.63	-1,083.24	966.23	585.91	554.12	31.79	18.431		
3,700.00	3,573.28	3,523.80	3,523.63	20.22	15.23	2.88	-1,085.35	966.45	558.76	526.08	32.68	17.098		
3,800.00	3,668.96	3,617.15	3,616.93	20.80	15.62	3.18	-1,088.22	967.06	532.41	498.84	33.57	15.861		
3,900.00	3,764.65	3,713.62	3,713.35	21.38	16.03	3.53	-1,091.35	967.85	506.31	471.86	34.45	14.697		
4,000.00	3,860.33	3,810.94	3,810.61	21.96	16.44	3.91	-1,094.42	968.63	480.15	444.82	35.33	13.591		
4,100.00	3,956.02	3,909.30	3,908.93	22.54	16.85	4.34	-1,097.26	969.27	453.72	417.51	36.21	12.532		
4,200.00	4,051.71	4,005.75	4,005.34	23.13	17.26	4.82	-1,099.93	969.70	427.11	390.02	37.09	11.515		
4,300.00	4,147.39	4,102.77	4,102.33	23.71	17.66	5.35	-1,102.50	970.11	400.42	362.44	37.97	10.545		
4,400.00	4,243.08	4,200.17	4,199.69	24.29	18.07	5.96	-1,104.83	970.46	373.53	334.68	38.85	9.614		
4,500.00	4,338.77	4,296.58	4,296.08	24.88	18.48	6.64	-1,106.96	970.76	346.51	306.77	39.74	8.719		
4,600.00	4,434.45	4,393.80	4,393.28	25.46	18.89	7.42	-1,108.90	971.02	319.37	278.75	40.62	7.862		
4,700.00	4,530.14	4,490.75	4,490.22	26.04	19.30	8.37	-1,110.66	971.01	291.99	250.48	41.51	7.034		
4,800.00	4,625.83	4,586.69	4,586.14	26.63	19.70	9.56	-1,112.40	970.77	264.56	222.14	42.41	6.238		
4,900.00	4,721.51	4,682.87	4,682.30	27.21	20.11	11.02	-1,114.15	970.51	237.26	193.94	43.32	5.476		
5,000.00	4,817.20	4,779.10	4,778.52	27.80	20.51	12.78	-1,115.69	970.42	210.04	165.80	44.25	4.747		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,875.06	4,874.47	28.38	20.92	14.93	-1,116.96	970.67	183.00	137.80	45.20	4.049		
5,200.00	5,008.57	4,971.74	4,971.15	28.97	21.33	17.71	-1,117.99	971.15	156.15	109.99	46.16	3.383		
5,300.00	5,104.26	5,067.88	5,067.29	29.55	21.73	21.69	-1,118.72	971.33	129.39	82.17	47.22	2.740		
5,400.00	5,199.94	5,164.00	5,163.40	30.14	22.14	27.82	-1,119.45	971.22	103.45	55.00	48.44	2.135		
5,500.00	5,295.63	5,260.03	5,259.43	30.72	22.55	37.67	-1,119.82	971.20	78.98	28.95	50.03	1.579		
5,600.00	5,391.32	5,355.73	5,355.13	31.31	22.95	55.02	-1,120.03	971.02	58.49	6.08	52.41	1.116	Level 2	
5,700.00	5,487.00	5,451.37	5,450.77	31.90	23.36	83.95	-1,120.23	970.49	48.05	-7.08	55.13	0.872	Level 1	
5,714.90	5,501.26	5,465.61	5,465.01	31.98	23.42	88.98	-1,120.23	970.38	47.85	-7.53	55.38	0.864	Level 1, CC, ES, SF	
5,800.00	5,582.69	5,546.90	5,546.30	32.48	23.76	115.90	-1,119.99	969.66	54.11	-1.33	55.44	0.976	Level 1	
5,900.00	5,678.38	5,642.28	5,641.67	33.07	24.16	137.10	-1,119.37	968.84	72.99	18.33	54.66	1.335	Level 3	
6,000.00	5,774.06	5,737.59	5,736.97	33.65	24.57	149.12	-1,118.47	967.95	97.80	43.30	54.50	1.794		
6,100.00	5,869.75	5,833.14	5,832.52	34.24	24.97	156.26	-1,117.55	967.25	124.89	70.05	54.84	2.277		
6,200.00	5,965.44	5,928.52	5,927.89	34.83	25.38	160.86	-1,116.61	966.66	153.07	97.66	55.41	2.762		
6,300.00	6,061.12	6,023.63	6,023.00	35.41	25.78	164.00	-1,115.73	966.05	181.87	125.78	56.10	3.242		
6,400.00	6,156.81	6,117.59	6,116.93	36.00	26.18	166.44	-1,114.06	965.44	211.51	154.73	56.78	3.725		
6,500.00	6,252.50	6,211.81	6,211.13	36.59	26.57	168.38	-1,111.86	964.67	241.86	184.32	57.53	4.204		
6,600.00	6,348.18	6,305.55	6,304.82	37.18	26.97	169.99	-1,109.05	963.86	272.82	214.53	58.29	4.680		
6,636.04	6,382.67	6,340.66	6,339.91	37.39	27.12	170.54	-1,107.85	963.66	284.03	225.41	58.62	4.845		
6,650.00	6,396.05	6,354.30	6,353.54	37.47	27.18	167.23	-1,107.39	963.62	288.23	229.49	58.75	4.906		
6,700.00	6,444.38	6,403.66	6,402.87	37.74	27.39	152.97	-1,105.74	963.66	301.34	242.15	59.19	5.091		
6,750.00	6,493.07	6,453.95	6,453.14	37.98	27.60	135.23	-1,104.26	963.89	311.39	251.77	59.62	5.223		
6,800.00	6,541.82	6,504.47	6,503.65	38.18	27.81	117.03	-1,103.14	964.23	318.45	258.41	60.04	5.304		
6,850.00	6,590.35	6,554.78	6,553.95	38.35	28.03	102.39	-1,102.43	964.63	322.71	262.27	60.44	5.339		
6,900.00	6,638.34	6,604.70	6,603.87	38.50	28.24	92.67	-1,102.14	965.06	324.39	263.56	60.84	5.332		
6,950.00	6,685.50	6,651.98	6,651.15	38.64	28.44	86.98	-1,102.16	965.36	323.98	262.80	61.18	5.295		
7,000.00	6,731.54	6,698.49	6,697.66	38.77	28.63	84.28	-1,102.41	965.48	321.96	260.39	61.57	5.229		
7,050.00	6,776.18	6,743.20	6,742.36	38.90	28.82	83.68	-1,102.77	965.47	318.88	256.88	62.00	5.143		
7,100.00	6,819.14	6,786.27	6,785.43	39.03	29.01	84.62	-1,103.15	965.42	315.39	252.87	62.53	5.044		
7,150.00	6,860.16	6,827.80	6,826.96	39.16	29.18	86.67	-1,103.56	965.32	312.24	249.05	63.19	4.941		
7,200.00	6,898.98	6,867.38	6,866.54	39.31	29.35	89.45	-1,104.04	965.17	310.20	246.18	64.02	4.845		
7,226.20	6,918.36	6,887.20	6,886.35	39.40	29.44	91.07	-1,104.32	965.08	309.88	245.36	64.52	4.803		
7,250.00	6,935.36	6,904.61	6,903.76	39.47	29.51	92.59	-1,104.58	964.99	310.18	245.17	65.01	4.771		
7,300.00	6,969.08	6,938.43	6,937.58	39.65	29.65	95.67	-1,105.08	964.81	313.11	246.99	66.12	4.736		
7,350.00	6,999.94	6,969.51	6,968.65	39.85	29.79	98.50	-1,105.53	964.63	319.79	252.50	67.30	4.752		
7,400.00	7,027.74	6,997.55	6,996.70	40.08	29.91	100.83	-1,105.93	964.46	330.80	262.34	68.46	4.832		
7,450.00	7,052.31	7,022.49	7,021.62	40.34	30.01	102.50	-1,106.29	964.32	346.40	276.88	69.52	4.983		
7,500.00	7,073.49	7,044.01	7,043.15	40.63	30.10	103.34	-1,106.60	964.20	366.60	296.19	70.41	5.207		
7,550.00	7,091.17	7,062.00	7,061.13	40.95	30.18	103.25	-1,106.86	964.10	391.14	320.05	71.09	5.502		
7,600.00	7,105.22	7,076.34	7,075.47	41.31	30.24	102.14	-1,107.07	964.03	419.58	348.00	71.58	5.862		
7,650.00	7,115.57	7,086.94	7,086.07	41.71	30.29	99.95	-1,107.23	963.98	451.37	379.48	71.89	6.279		
7,700.00	7,122.15	7,093.76	7,092.89	42.15	30.31	96.66	-1,107.33	963.95	485.93	413.88	72.05	6.744		
7,750.00	7,124.91	7,096.76	7,095.89	42.62	30.33	92.28	-1,107.37	963.94	522.67	450.58	72.10	7.250		
7,759.54	7,125.00	7,096.90	7,096.03	42.72	30.33	91.33	-1,107.38	963.94	529.88	457.79	72.09	7.350		
7,800.00	7,125.10	7,097.18	7,096.31	43.13	30.33	91.37	-1,107.38	963.94	561.19	489.13	72.06	7.787		
7,900.00	7,125.34	7,097.88	7,097.01	44.28	30.33	91.49	-1,107.39	963.93	642.98	571.07	71.91	8.942		
8,000.00	7,125.58	7,098.58	7,097.71	45.61	30.34	91.61	-1,107.40	963.93	729.32	657.62	71.70	10.172		
8,100.00	7,125.82	7,099.28	7,098.41	47.10	30.34	91.72	-1,107.41	963.93	818.78	747.28	71.49	11.453		
8,200.00	7,126.06	7,099.98	7,099.11	48.72	30.34	91.84	-1,107.42	963.92	910.43	839.13	71.29	12.770		
8,300.00	7,126.30	7,100.68	7,099.81	50.48	30.34	91.95	-1,107.43	963.92	1,003.67	932.56	71.11	14.113		
8,400.00	7,126.54	7,101.38	7,100.51	52.34	30.35	92.07	-1,107.44	963.92	1,098.11	1,027.15	70.96	15.476		
8,500.00	7,126.78	7,102.08	7,101.21	54.30	30.35	92.19	-1,107.45	963.91	1,193.45	1,122.63	70.82	16.853		
8,600.00	7,127.02	7,102.78	7,101.91	56.35	30.35	92.30	-1,107.46	963.91	1,289.50	1,218.80	70.69	18.241		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,127.26	7,103.49	7,102.61	58.47	30.36	92.42	-1,107.48	963.91	1,386.10	1,315.52	70.58	19.638		
8,800.00	7,127.50	7,104.19	7,103.32	60.66	30.36	92.54	-1,107.49	963.90	1,483.16	1,412.67	70.49	21.041		
8,900.00	7,127.74	7,104.89	7,104.02	62.90	30.36	92.65	-1,107.50	963.90	1,580.58	1,510.17	70.41	22.449		
9,000.00	7,127.98	7,105.59	7,104.72	65.19	30.37	92.77	-1,107.51	963.90	1,678.30	1,607.97	70.33	23.862		
9,100.00	7,128.22	7,106.29	7,105.42	67.53	30.37	92.88	-1,107.52	963.89	1,776.28	1,706.01	70.27	25.278		
9,200.00	7,128.46	7,106.99	7,106.12	69.92	30.37	93.00	-1,107.53	963.89	1,874.47	1,804.26	70.21	26.697		
9,300.00	7,128.70	7,107.70	7,106.82	72.33	30.37	93.12	-1,107.54	963.89	1,972.85	1,902.68	70.16	28.118		
9,400.00	7,128.94	7,108.40	7,107.53	74.78	30.38	93.23	-1,107.55	963.89	2,071.38	2,001.25	70.12	29.540		
9,500.00	7,129.18	7,109.10	7,108.23	77.26	30.38	93.35	-1,107.56	963.88	2,170.04	2,099.95	70.08	30.963		
9,600.00	7,129.42	7,109.80	7,108.93	79.76	30.38	93.47	-1,107.57	963.88	2,268.82	2,198.77	70.05	32.388		
9,700.00	7,129.66	7,110.50	7,109.63	82.29	30.39	93.58	-1,107.58	963.88	2,367.70	2,297.68	70.03	33.812		
9,800.00	7,129.90	7,111.21	7,110.33	84.84	30.39	93.70	-1,107.59	963.87	2,466.67	2,396.67	70.00	35.237		
9,900.00	7,130.14	7,111.91	7,111.04	87.41	30.39	93.81	-1,107.60	963.87	2,565.72	2,495.74	69.98	36.662		
10,000.00	7,130.38	7,112.61	7,111.74	90.00	30.39	93.93	-1,107.61	963.87	2,664.85	2,594.88	69.97	38.087		
10,100.00	7,130.62	7,113.31	7,112.44	92.60	30.40	94.05	-1,107.62	963.86	2,764.03	2,694.08	69.96	39.511		
10,200.00	7,130.86	7,114.01	7,113.14	95.22	30.40	94.16	-1,107.63	963.86	2,863.27	2,793.33	69.95	40.935		
10,300.00	7,131.09	7,114.72	7,113.84	97.85	30.40	94.28	-1,107.64	963.86	2,962.57	2,892.62	69.94	42.358		
10,400.00	7,131.33	7,115.42	7,114.54	100.50	30.41	94.39	-1,107.65	963.85	3,061.90	2,991.97	69.94	43.780		
10,500.00	7,131.57	7,116.12	7,115.25	103.16	30.41	94.51	-1,107.66	963.85	3,161.28	3,091.35	69.94	45.202		
10,600.00	7,131.81	7,116.82	7,115.95	105.82	30.41	94.63	-1,107.68	963.85	3,260.70	3,190.76	69.94	46.622		
10,700.00	7,132.05	7,117.52	7,116.65	108.50	30.42	94.74	-1,107.69	963.84	3,360.15	3,290.21	69.94	48.041		
10,800.00	7,132.29	7,118.23	7,117.35	111.19	30.42	94.86	-1,107.70	963.84	3,459.64	3,389.69	69.95	49.459		
10,900.00	7,132.53	7,118.93	7,118.05	113.88	30.42	94.97	-1,107.71	963.84	3,559.15	3,489.19	69.96	50.875		
11,000.00	7,132.77	7,119.63	7,118.76	116.58	30.42	95.09	-1,107.72	963.84	3,658.69	3,588.72	69.97	52.291		
11,100.00	7,133.01	7,120.33	7,119.46	119.29	30.43	95.21	-1,107.73	963.83	3,758.25	3,688.27	69.98	53.704		
11,200.00	7,133.25	7,121.03	7,120.16	122.01	30.43	95.32	-1,107.74	963.83	3,857.84	3,787.84	70.00	55.116		
11,300.00	7,133.49	7,121.74	7,120.86	124.73	30.43	95.44	-1,107.75	963.83	3,957.44	3,887.43	70.01	56.526		
11,400.00	7,133.73	7,122.44	7,121.56	127.46	30.44	95.55	-1,107.76	963.82	4,057.07	3,987.04	70.03	57.934		
11,500.00	7,133.97	7,123.14	7,122.27	130.19	30.44	95.67	-1,107.77	963.82	4,156.71	4,086.67	70.05	59.341		
11,600.00	7,134.21	7,123.84	7,122.97	132.93	30.44	95.79	-1,107.78	963.82	4,256.37	4,186.31	70.07	60.746		
11,700.00	7,134.45	7,124.54	7,123.67	135.68	30.45	95.90	-1,107.79	963.81	4,356.05	4,285.96	70.09	62.148		
11,800.00	7,134.69	7,125.25	7,124.37	138.43	30.45	96.02	-1,107.80	963.81	4,455.74	4,385.62	70.12	63.549		
11,900.00	7,134.93	7,125.95	7,125.07	141.18	30.45	96.13	-1,107.81	963.81	4,555.44	4,485.30	70.14	64.947		
12,000.00	7,135.17	7,126.65	7,125.78	143.94	30.45	96.25	-1,107.82	963.80	4,655.16	4,584.99	70.17	66.343		
12,100.00	7,135.41	7,127.35	7,126.48	146.70	30.46	96.36	-1,107.83	963.80	4,754.89	4,684.69	70.20	67.737		
12,200.00	7,135.65	7,128.05	7,127.18	149.46	30.46	96.48	-1,107.84	963.80	4,854.63	4,784.40	70.23	69.129		
12,300.00	7,135.89	7,128.76	7,127.88	152.23	30.46	96.59	-1,107.85	963.79	4,954.38	4,884.12	70.26	70.518		
12,400.00	7,136.13	7,129.46	7,128.58	155.00	30.47	96.71	-1,107.86	963.79	5,054.14	4,983.85	70.29	71.905		
12,500.00	7,136.37	7,130.16	7,129.29	157.78	30.47	96.82	-1,107.88	963.79	5,153.90	5,083.58	70.32	73.290		
12,600.00	7,136.61	7,130.86	7,129.99	160.55	30.47	96.94	-1,107.89	963.78	5,253.68	5,183.32	70.36	74.671		
12,700.00	7,136.85	7,131.57	7,130.69	163.33	30.48	97.06	-1,107.90	963.78	5,353.47	5,283.07	70.39	76.051		
12,800.00	7,137.09	7,132.27	7,131.39	166.12	30.48	97.17	-1,107.91	963.78	5,453.26	5,382.83	70.43	77.427		
12,900.00	7,137.33	7,132.97	7,132.10	168.90	30.48	97.29	-1,107.92	963.78	5,553.06	5,482.59	70.47	78.801		
13,000.00	7,137.57	7,133.67	7,132.80	171.69	30.48	97.40	-1,107.93	963.77	5,652.87	5,582.36	70.51	80.173		
13,100.00	7,137.81	7,134.37	7,133.50	174.48	30.49	97.52	-1,107.94	963.77	5,752.68	5,682.13	70.55	81.541		
13,200.00	7,138.05	7,135.08	7,134.20	177.27	30.49	97.63	-1,107.95	963.77	5,852.50	5,781.91	70.59	82.907		
13,300.00	7,138.29	7,135.78	7,134.90	180.07	30.49	97.75	-1,107.96	963.76	5,952.33	5,881.69	70.63	84.269		
13,400.00	7,138.53	7,136.48	7,135.61	182.86	30.50	97.86	-1,107.97	963.76	6,052.16	5,981.48	70.68	85.629		
13,500.00	7,138.77	7,137.18	7,136.31	185.66	30.50	97.97	-1,107.98	963.76	6,152.00	6,081.27	70.72	86.986		
13,600.00	7,139.01	7,137.89	7,137.01	188.46	30.50	98.09	-1,107.99	963.75	6,251.84	6,181.07	70.77	88.340		
13,700.00	7,139.25	7,138.59	7,137.71	191.26	30.51	98.20	-1,108.00	963.75	6,351.69	6,280.87	70.82	89.691		
13,800.00	7,139.49	7,139.29	7,138.42	194.06	30.51	98.32	-1,108.01	963.75	6,451.54	6,380.67	70.87	91.038		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,139.99	7,139.12	196.87	30.51	98.43	-1,108.02	963.74	6,551.40	6,480.48	70.92	92.383		
14,000.00	7,139.97	7,140.70	7,139.82	199.68	30.51	98.55	-1,108.03	963.74	6,651.26	6,580.29	70.97	93.724		
14,100.00	7,140.21	7,141.40	7,140.52	202.48	30.52	98.66	-1,108.04	963.74	6,751.12	6,680.10	71.02	95.062		
14,200.00	7,140.45	7,142.10	7,141.22	205.29	30.52	98.78	-1,108.05	963.73	6,850.99	6,779.92	71.07	96.397		
14,300.00	7,140.69	7,142.80	7,141.93	208.10	30.52	98.89	-1,108.06	963.73	6,950.86	6,879.74	71.12	97.729		
14,400.00	7,140.93	7,143.51	7,142.63	210.91	30.53	99.01	-1,108.08	963.73	7,050.74	6,979.56	71.18	99.057		
14,500.00	7,141.17	7,144.21	7,143.33	213.73	30.53	99.12	-1,108.09	963.73	7,150.62	7,079.38	71.23	100.382		
14,600.00	7,141.41	7,144.91	7,144.03	216.54	30.53	99.23	-1,108.10	963.72	7,250.50	7,179.21	71.29	101.704		
14,700.00	7,141.65	7,145.61	7,144.74	219.36	30.54	99.35	-1,108.11	963.72	7,350.39	7,279.04	71.35	103.022		
14,800.00	7,141.89	7,146.32	7,145.44	222.17	30.54	99.46	-1,108.12	963.72	7,450.27	7,378.87	71.41	104.336		
14,900.00	7,142.13	7,147.02	7,146.14	224.99	30.54	99.58	-1,108.13	963.71	7,550.17	7,478.70	71.47	105.647		
15,000.00	7,142.36	7,147.72	7,146.84	227.81	30.54	99.69	-1,108.14	963.71	7,650.06	7,578.53	71.53	106.955		
15,100.00	7,142.60	7,148.42	7,147.55	230.63	30.55	99.80	-1,108.15	963.71	7,749.96	7,678.37	71.59	108.259		
15,200.00	7,142.84	7,149.13	7,148.25	233.45	30.55	99.92	-1,108.16	963.70	7,849.86	7,778.21	71.65	109.559		
15,300.00	7,143.08	7,149.83	7,148.95	236.27	30.55	100.03	-1,108.17	963.70	7,949.76	7,878.05	71.71	110.856		
15,400.00	7,143.32	7,150.53	7,149.65	239.09	30.56	100.14	-1,108.18	963.70	8,049.66	7,977.89	71.78	112.149		
15,500.00	7,143.56	7,151.23	7,150.36	241.91	30.56	100.26	-1,108.19	963.69	8,149.57	8,077.73	71.84	113.439		
15,600.00	7,143.80	7,151.94	7,151.06	244.73	30.56	100.37	-1,108.20	963.69	8,249.48	8,177.57	71.91	114.725		
15,700.00	7,144.04	7,152.64	7,151.76	247.56	30.57	100.49	-1,108.21	963.69	8,349.39	8,277.42	71.97	116.007		
15,800.00	7,144.28	7,153.34	7,152.46	250.38	30.57	100.60	-1,108.22	963.68	8,449.30	8,377.26	72.04	117.285		
15,900.00	7,144.52	7,154.04	7,153.17	253.21	30.57	100.71	-1,108.23	963.68	8,549.22	8,477.11	72.11	118.560		
16,000.00	7,144.76	7,154.75	7,153.87	256.03	30.57	100.82	-1,108.24	963.68	8,649.13	8,576.96	72.18	119.830		
16,100.00	7,145.00	7,155.45	7,154.57	258.86	30.58	100.94	-1,108.25	963.68	8,749.05	8,676.81	72.25	121.097		
16,200.00	7,145.24	7,156.15	7,155.27	261.69	30.58	101.05	-1,108.27	963.67	8,848.97	8,776.65	72.32	122.360		
16,300.00	7,145.48	7,156.86	7,155.98	264.52	30.58	101.16	-1,108.28	963.67	8,948.90	8,876.51	72.39	123.619		
16,400.00	7,145.72	7,157.56	7,156.68	267.35	30.59	101.28	-1,108.29	963.67	9,048.82	8,976.36	72.46	124.874		
16,500.00	7,145.96	7,158.26	7,157.38	270.18	30.59	101.39	-1,108.30	963.66	9,148.75	9,076.21	72.54	126.126		
16,600.00	7,146.20	7,158.96	7,158.09	273.01	30.59	101.50	-1,108.31	963.66	9,248.67	9,176.06	72.61	127.373		
16,700.00	7,146.44	7,159.67	7,158.79	275.84	30.60	101.61	-1,108.32	963.66	9,348.60	9,275.92	72.69	128.616		
16,800.00	7,146.68	7,160.37	7,159.49	278.67	30.60	101.73	-1,108.33	963.65	9,448.53	9,375.77	72.76	129.856		
16,900.00	7,146.92	7,161.07	7,160.19	281.50	30.60	101.84	-1,108.34	963.65	9,548.46	9,475.62	72.84	131.091		
17,000.00	7,147.16	7,161.77	7,160.90	284.33	30.60	101.95	-1,108.35	963.65	9,648.40	9,575.48	72.92	132.323		
17,100.00	7,147.40	7,162.48	7,161.60	287.16	30.61	102.06	-1,108.36	963.64	9,748.33	9,675.34	72.99	133.550		
17,200.00	7,147.64	7,163.18	7,162.30	290.00	30.61	102.18	-1,108.37	963.64	9,848.27	9,775.19	73.07	134.773		
17,300.00	7,147.88	7,163.88	7,163.00	292.83	30.61	102.29	-1,108.38	963.64	9,948.20	9,875.05	73.15	135.992		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	75.48	242.64	937.18	968.79					
100.00	100.00	65.17	65.17	3.28	3.28	75.48	242.70	937.09	968.01	961.45	6.57	147.390		
200.00	200.00	167.75	167.74	3.34	3.32	75.46	242.97	936.63	967.64	960.99	6.66	145.381		
300.00	299.98	266.97	266.97	3.44	3.41	-61.93	243.17	936.06	966.32	959.47	6.85	141.070		
400.00	399.84	362.98	362.97	3.59	3.54	-62.24	243.25	935.80	963.62	956.49	7.13	135.056		
500.00	499.45	456.90	456.90	3.80	3.71	-62.74	243.28	936.05	959.85	952.34	7.50	127.898		
600.00	598.70	547.94	547.93	4.04	3.91	-63.39	243.09	937.01	955.26	947.32	7.95	120.202		
700.00	697.47	639.51	639.48	4.32	4.14	-64.20	242.76	938.92	950.20	941.74	8.46	112.306		
800.00	795.62	735.04	734.98	4.65	4.41	-65.24	242.30	941.46	944.35	935.30	9.05	104.366		
900.00	893.06	831.32	831.21	5.01	4.70	-66.48	241.63	944.29	937.56	927.87	9.70	96.675		
1,000.00	989.64	928.58	928.42	5.42	5.01	-67.95	240.92	947.33	930.01	919.60	10.41	89.360		
1,044.50	1,032.32	973.86	973.68	5.61	5.16	-68.70	240.51	948.68	926.32	915.58	10.75	86.196		
1,100.00	1,085.43	1,028.03	1,027.82	5.86	5.34	-69.55	239.92	950.21	921.64	910.46	11.17	82.473		
1,200.00	1,181.11	1,122.39	1,122.14	6.33	5.67	-71.04	238.86	953.03	913.86	901.89	11.97	76.371		
1,300.00	1,276.80	1,218.15	1,217.84	6.81	6.01	-72.59	237.97	956.01	906.97	894.18	12.79	70.899		
1,400.00	1,372.49	1,318.01	1,317.66	7.31	6.38	-74.22	236.97	958.89	900.58	886.92	13.66	65.937		
1,500.00	1,468.17	1,413.86	1,413.47	7.83	6.74	-75.83	236.26	961.39	894.81	880.28	14.53	61.580		
1,600.00	1,563.86	1,509.59	1,509.17	8.35	7.10	-77.47	235.72	963.89	889.90	874.48	15.42	57.712		
1,700.00	1,659.55	1,610.01	1,609.56	8.88	7.48	-79.21	235.18	966.27	885.61	869.27	16.34	54.201		
1,800.00	1,755.23	1,716.31	1,715.84	9.42	7.89	-81.10	234.56	967.71	881.28	863.99	17.29	50.969		
1,900.00	1,850.92	1,816.97	1,816.50	9.97	8.28	-82.94	233.77	968.20	877.02	858.79	18.23	48.110		
2,000.00	1,946.61	1,913.45	1,912.97	10.52	8.66	-84.71	232.87	968.41	873.37	854.21	19.16	45.580		
2,100.00	2,042.29	2,006.41	2,005.93	11.07	9.02	-86.44	232.25	968.66	870.81	850.73	20.09	43.355		
2,200.00	2,137.98	2,107.49	2,107.01	11.63	9.42	-88.33	231.55	968.74	869.03	847.98	21.04	41.297		
2,300.00	2,233.67	2,200.75	2,200.27	12.19	9.80	-90.09	230.84	968.73	868.06	846.09	21.97	39.502		
2,337.63	2,269.68	2,236.51	2,236.02	12.40	9.94	-90.76	230.61	968.75	867.99	845.66	22.33	38.874 CC		
2,400.00	2,329.35	2,295.76	2,295.28	12.76	10.18	-91.88	230.23	968.82	868.19	845.27	22.91	37.889 ES		
2,500.00	2,425.04	2,387.17	2,386.68	13.32	10.55	-93.60	229.90	969.02	869.53	845.69	23.84	36.475		
2,600.00	2,520.72	2,481.43	2,480.94	13.89	10.93	-95.39	229.96	969.32	872.18	847.41	24.77	35.206		
2,700.00	2,616.41	2,578.42	2,577.94	14.46	11.33	-97.22	230.06	969.60	875.79	850.08	25.72	34.054		
2,800.00	2,712.10	2,677.40	2,676.91	15.03	11.73	-99.07	230.01	969.66	880.09	853.42	26.67	33.001		
2,900.00	2,807.78	2,775.54	2,775.05	15.60	12.13	-100.90	229.77	969.40	884.97	857.36	27.61	32.050		
3,000.00	2,903.47	2,876.66	2,876.17	16.18	12.55	-102.77	229.23	968.86	890.42	861.85	28.57	31.171		
3,100.00	2,999.16	2,976.84	2,976.34	16.75	12.96	-104.57	227.97	968.29	896.16	866.64	29.51	30.366		
3,200.00	3,094.84	3,066.51	3,066.00	17.33	13.33	-106.16	226.81	967.81	902.76	872.36	30.41	29.689		
3,300.00	3,190.53	3,160.18	3,159.67	17.90	13.72	-107.81	226.29	967.53	910.93	879.61	31.31	29.090		
3,400.00	3,286.22	3,254.69	3,254.17	18.48	14.11	-109.43	225.60	967.45	919.87	887.65	32.22	28.549		
3,500.00	3,381.90	3,347.50	3,346.98	19.06	14.50	-110.97	225.05	967.81	929.93	896.82	33.11	28.083		
3,600.00	3,477.59	3,439.67	3,439.15	19.64	14.88	-112.44	224.49	968.83	941.01	907.01	34.00	27.678		
3,700.00	3,573.28	3,537.05	3,536.51	20.22	15.29	-113.91	224.00	970.77	953.19	918.28	34.91	27.304		
3,800.00	3,668.96	3,643.99	3,643.41	20.80	15.74	-115.45	222.28	972.94	964.99	929.12	35.88	26.898		
3,900.00	3,764.65	3,738.62	3,738.02	21.38	16.14	-116.84	220.69	973.73	976.95	940.19	36.77	26.572		
4,000.00	3,860.33	3,827.88	3,827.28	21.96	16.51	-118.15	219.85	974.34	990.14	952.52	37.62	26.322		
4,100.00	3,956.02	3,920.09	3,919.49	22.54	16.90	-119.50	219.56	974.53	1,004.38	965.90	38.48	26.102		
4,200.00	4,051.71	4,012.69	4,012.09	23.13	17.28	-120.82	219.65	974.80	1,019.62	980.29	39.34	25.920		
4,300.00	4,147.39	4,113.92	4,113.31	23.71	17.71	-122.22	219.56	974.96	1,035.26	995.01	40.25	25.721		
4,400.00	4,243.08	4,211.78	4,211.18	24.29	18.12	-123.55	219.24	974.79	1,051.16	1,010.03	41.14	25.553		
4,500.00	4,338.77	4,313.87	4,313.26	24.88	18.55	-124.92	218.51	974.27	1,067.18	1,025.14	42.05	25.379		
4,600.00	4,434.45	4,414.74	4,414.12	25.46	18.97	-126.23	217.38	973.63	1,083.34	1,040.39	42.95	25.222		
4,700.00	4,530.14	4,533.43	4,532.77	26.04	19.48	-127.72	214.51	972.51	1,098.74	1,054.78	43.96	24.994		
4,800.00	4,625.83	4,652.73	4,651.94	26.63	19.98	-129.20	209.10	970.68	1,112.51	1,067.56	44.96	24.746		
4,900.00	4,721.51	4,756.93	4,755.92	27.21	20.42	-130.44	202.78	969.07	1,125.31	1,079.44	45.87	24.533		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,817.20	4,851.25	4,850.06	27.80	20.83	-131.51	196.91	968.25	1,138.49	1,091.76	46.73	24.362		
5,100.00	4,912.89	4,942.63	4,941.28	28.38	21.21	-132.52	191.52	967.68	1,152.41	1,104.84	47.58	24.222		
5,200.00	5,008.57	5,029.39	5,027.91	28.97	21.58	-133.47	186.92	966.86	1,167.32	1,118.93	48.39	24.123		
5,300.00	5,104.26	5,111.22	5,109.67	29.55	21.93	-134.34	183.54	966.10	1,183.72	1,134.55	49.16	24.077		
5,400.00	5,199.94	5,197.02	5,195.42	30.14	22.30	-135.24	180.86	965.25	1,201.48	1,151.53	49.96	24.051		
5,500.00	5,295.63	5,277.23	5,275.61	30.72	22.63	-136.07	179.22	964.30	1,220.65	1,169.95	50.70	24.077		
5,600.00	5,391.32	5,364.38	5,362.75	31.31	23.00	-136.96	178.39	963.07	1,241.22	1,189.73	51.48	24.110		
5,700.00	5,487.00	5,448.85	5,447.20	31.90	23.36	-137.80	178.09	961.63	1,262.71	1,210.47	52.24	24.172		
5,800.00	5,582.69	5,530.28	5,528.61	32.48	23.70	-138.61	178.67	959.98	1,285.58	1,232.62	52.96	24.274		
5,900.00	5,678.38	5,617.55	5,615.85	33.07	24.07	-139.44	180.14	958.11	1,309.69	1,255.96	53.73	24.375		
6,000.00	5,774.06	5,732.06	5,730.34	33.65	24.55	-140.49	181.47	955.99	1,333.62	1,278.88	54.75	24.360		
6,100.00	5,869.75	5,845.82	5,844.07	34.24	25.03	-141.48	180.93	954.07	1,356.24	1,300.49	55.75	24.328		
6,200.00	5,965.44	5,946.60	5,944.84	34.83	25.45	-142.30	179.77	953.09	1,378.44	1,321.80	56.64	24.335		
6,300.00	6,061.12	6,040.92	6,039.16	35.41	25.85	-143.05	178.52	952.21	1,400.71	1,343.22	57.49	24.366		
6,400.00	6,156.81	6,132.35	6,130.57	36.00	26.24	-143.74	177.64	951.56	1,423.54	1,365.23	58.31	24.414		
6,500.00	6,252.50	6,228.74	6,226.96	36.59	26.65	-144.44	176.81	950.88	1,446.68	1,387.51	59.17	24.449		
6,600.00	6,348.18	6,325.76	6,323.97	37.18	27.06	-145.14	175.84	950.05	1,469.90	1,409.87	60.04	24.483		
6,636.04	6,382.67	6,359.44	6,357.65	37.39	27.21	-145.38	175.50	949.76	1,478.33	1,417.99	60.34	24.500		
6,650.00	6,396.05	6,372.52	6,370.72	37.47	27.26	-149.04	175.38	949.65	1,481.59	1,421.13	60.46	24.507		
6,700.00	6,444.38	6,420.71	6,418.91	37.74	27.47	-164.89	174.94	949.27	1,493.00	1,432.12	60.88	24.524		
6,750.00	6,493.07	6,470.68	6,468.88	37.98	27.68	-175.41	174.47	948.92	1,503.86	1,442.55	61.31	24.530		
6,800.00	6,541.82	6,519.54	6,517.74	38.18	27.88	-154.95	173.99	948.63	1,514.10	1,452.37	61.72	24.531		
6,850.00	6,590.35	6,566.46	6,564.65	38.35	28.08	-137.75	173.57	948.38	1,523.72	1,461.60	62.12	24.529		
6,900.00	6,638.34	6,613.62	6,611.81	38.50	28.28	-125.16	173.20	948.14	1,532.75	1,470.22	62.53	24.512		
6,950.00	6,685.50	6,661.98	6,660.17	38.64	28.49	-116.39	172.80	947.83	1,541.13	1,478.16	62.96	24.476		
7,000.00	6,731.54	6,709.29	6,707.48	38.77	28.69	-110.28	172.37	947.45	1,548.88	1,485.47	63.41	24.427		
7,050.00	6,776.18	6,752.19	6,750.37	38.90	28.87	-105.93	171.99	947.03	1,556.13	1,492.29	63.84	24.375		
7,100.00	6,819.14	6,794.07	6,792.25	39.03	29.05	-102.81	171.64	946.54	1,562.99	1,498.69	64.30	24.309		
7,150.00	6,860.16	6,835.72	6,833.90	39.16	29.23	-100.58	171.32	945.98	1,569.54	1,504.76	64.78	24.227		
7,200.00	6,898.98	6,875.54	6,873.70	39.31	29.40	-98.97	170.98	945.40	1,575.87	1,510.57	65.30	24.133		
7,250.00	6,935.36	6,912.36	6,910.52	39.47	29.55	-97.77	170.67	944.82	1,582.12	1,516.29	65.83	24.032		
7,300.00	6,969.08	6,945.37	6,943.52	39.65	29.69	-96.85	170.40	944.33	1,588.45	1,522.07	66.39	23.926		
7,350.00	6,999.94	6,975.53	6,973.69	39.85	29.82	-96.12	170.19	943.93	1,595.01	1,528.04	66.98	23.815		
7,400.00	7,027.74	7,002.88	7,001.03	40.08	29.94	-95.52	170.01	943.60	1,601.92	1,534.33	67.60	23.698		
7,450.00	7,052.31	7,028.57	7,026.72	40.34	30.05	-95.02	169.85	943.33	1,609.28	1,541.02	68.26	23.576		
7,500.00	7,073.49	7,050.69	7,048.84	40.63	30.14	-94.51	169.70	943.12	1,617.18	1,548.23	68.95	23.455		
7,550.00	7,091.17	7,069.13	7,067.27	40.95	30.22	-93.96	169.56	942.98	1,625.71	1,556.05	69.66	23.338		
7,600.00	7,105.22	7,083.79	7,081.93	41.31	30.28	-93.32	169.46	942.87	1,634.93	1,564.54	70.38	23.229		
7,650.00	7,115.57	7,094.61	7,092.76	41.71	30.33	-92.59	169.37	942.81	1,644.86	1,573.75	71.11	23.131		
7,700.00	7,122.15	7,101.57	7,099.71	42.15	30.36	-91.73	169.32	942.77	1,655.52	1,583.69	71.83	23.047		
7,750.00	7,124.91	7,104.63	7,102.78	42.62	30.37	-90.76	169.29	942.75	1,666.86	1,594.32	72.54	22.979		
7,759.54	7,125.00	7,104.78	7,102.92	42.72	30.37	-90.56	169.29	942.75	1,669.10	1,596.43	72.67	22.968		
7,800.00	7,125.10	7,105.10	7,103.24	43.13	30.37	-90.57	169.29	942.75	1,679.10	1,605.87	73.23	22.928		
7,900.00	7,125.34	7,105.88	7,104.03	44.28	30.38	-90.60	169.28	942.74	1,707.68	1,633.05	74.64	22.880 SF		
8,000.00	7,125.58	7,106.69	7,104.83	45.61	30.38	-90.63	169.28	942.74	1,741.55	1,665.52	76.03	22.907		
8,100.00	7,125.82	7,107.50	7,105.64	47.10	30.38	-90.66	169.27	942.73	1,780.39	1,703.01	77.38	23.009		
8,200.00	7,126.06	7,108.31	7,106.45	48.72	30.39	-90.68	169.26	942.73	1,823.89	1,745.22	78.67	23.185		
8,300.00	7,126.30	7,109.11	7,107.26	50.48	30.39	-90.71	169.26	942.72	1,871.73	1,791.85	79.89	23.430		
8,400.00	7,126.54	7,109.92	7,108.07	52.34	30.39	-90.74	169.25	942.72	1,923.58	1,842.56	81.02	23.742		
8,500.00	7,126.78	7,110.73	7,108.87	54.30	30.40	-90.77	169.25	942.72	1,979.13	1,897.06	82.07	24.115		
8,600.00	7,127.02	7,111.54	7,109.68	56.35	30.40	-90.80	169.24	942.71	2,038.08	1,955.04	83.04	24.545		
8,700.00	7,127.26	7,112.35	7,110.49	58.47	30.40	-90.83	169.23	942.71	2,100.13	2,016.21	83.92	25.026		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,113.15	7,111.30	60.66	30.41	90.86	169.23	942.70	2,165.03	2,080.31	84.72	25.555		
8,900.00	7,127.74	7,113.96	7,112.10	62.90	30.41	90.88	169.22	942.70	2,232.52	2,147.07	85.45	26.127		
9,000.00	7,127.98	7,114.77	7,112.91	65.19	30.41	90.91	169.21	942.69	2,302.37	2,216.26	86.11	26.738		
9,100.00	7,128.22	7,115.58	7,113.72	67.53	30.42	90.94	169.21	942.69	2,374.39	2,287.68	86.71	27.384		
9,200.00	7,128.46	7,116.38	7,114.53	69.92	30.42	90.97	169.20	942.68	2,448.37	2,361.12	87.24	28.063		
9,300.00	7,128.70	7,117.19	7,115.33	72.33	30.42	91.00	169.20	942.68	2,524.14	2,436.41	87.73	28.771		
9,400.00	7,128.94	7,118.00	7,116.14	74.78	30.43	91.03	169.19	942.67	2,601.55	2,513.38	88.17	29.506		
9,500.00	7,129.18	7,118.81	7,116.95	77.26	30.43	91.06	169.18	942.67	2,680.46	2,591.89	88.57	30.264		
9,600.00	7,129.42	7,119.61	7,117.76	79.76	30.43	91.08	169.18	942.67	2,760.73	2,671.80	88.93	31.045		
9,700.00	7,129.66	7,120.42	7,118.56	82.29	30.44	91.11	169.17	942.66	2,842.25	2,753.00	89.25	31.845		
9,800.00	7,129.90	7,121.23	7,119.37	84.84	30.44	91.14	169.16	942.66	2,924.92	2,835.38	89.55	32.664		
9,900.00	7,130.14	7,122.04	7,120.18	87.41	30.44	91.17	169.16	942.65	3,008.65	2,918.83	89.81	33.499		
10,000.00	7,130.38	7,122.84	7,120.99	90.00	30.45	91.20	169.15	942.65	3,093.34	3,003.28	90.05	34.349		
10,100.00	7,130.62	7,123.65	7,121.79	92.60	30.45	91.23	169.14	942.64	3,178.91	3,088.64	90.28	35.213		
10,200.00	7,130.86	7,124.46	7,122.60	95.22	30.46	91.26	169.14	942.64	3,265.31	3,174.84	90.48	36.090		
10,300.00	7,131.09	7,125.27	7,123.41	97.85	30.46	91.28	169.13	942.63	3,352.47	3,261.81	90.66	36.978		
10,400.00	7,131.33	7,126.07	7,124.22	100.50	30.46	91.31	169.13	942.63	3,440.32	3,349.49	90.83	37.877		
10,500.00	7,131.57	7,126.88	7,125.02	103.16	30.47	91.34	169.12	942.62	3,528.82	3,437.84	90.98	38.786		
10,600.00	7,131.81	7,127.69	7,125.83	105.82	30.47	91.37	169.11	942.62	3,617.92	3,526.80	91.12	39.703		
10,700.00	7,132.05	7,128.50	7,126.64	108.50	30.47	91.40	169.11	942.62	3,707.58	3,616.32	91.26	40.629		
10,800.00	7,132.29	7,129.30	7,127.45	111.19	30.48	91.43	169.10	942.61	3,797.75	3,706.37	91.38	41.562		
10,900.00	7,132.53	7,130.11	7,128.25	113.88	30.48	91.45	169.09	942.61	3,888.40	3,796.91	91.49	42.502		
11,000.00	7,132.77	7,130.92	7,129.06	116.58	30.48	91.48	169.09	942.60	3,979.50	3,887.91	91.59	43.449		
11,100.00	7,133.01	7,131.73	7,129.87	119.29	30.49	91.51	169.08	942.60	4,071.01	3,979.33	91.69	44.401		
11,200.00	7,133.25	7,132.53	7,130.67	122.01	30.49	91.54	169.07	942.59	4,162.92	4,071.14	91.78	45.359		
11,300.00	7,133.49	7,133.34	7,131.48	124.73	30.49	91.57	169.07	942.59	4,255.19	4,163.33	91.86	46.322		
11,400.00	7,133.73	7,134.15	7,132.29	127.46	30.50	91.60	169.06	942.58	4,347.81	4,255.87	91.94	47.289		
11,500.00	7,133.97	7,134.95	7,133.10	130.19	30.50	91.63	169.06	942.58	4,440.74	4,348.73	92.02	48.261		
11,600.00	7,134.21	7,135.76	7,133.90	132.93	30.50	91.65	169.05	942.58	4,533.98	4,441.89	92.09	49.237		
11,700.00	7,134.45	7,136.57	7,134.71	135.68	30.51	91.68	169.04	942.57	4,627.49	4,535.34	92.15	50.216		
11,800.00	7,134.69	7,137.38	7,135.52	138.43	30.51	91.71	169.04	942.57	4,721.28	4,629.06	92.22	51.199		
11,900.00	7,134.93	7,138.18	7,136.32	141.18	30.51	91.74	169.03	942.56	4,815.31	4,723.03	92.28	52.184		
12,000.00	7,135.17	7,138.99	7,137.13	143.94	30.52	91.77	169.02	942.56	4,909.58	4,817.24	92.33	53.173		
12,100.00	7,135.41	7,139.80	7,137.94	146.70	30.52	91.80	169.02	942.55	5,004.07	4,911.68	92.39	54.164		
12,200.00	7,135.65	7,140.60	7,138.75	149.46	30.52	91.83	169.01	942.55	5,098.77	5,006.33	92.44	55.157		
12,300.00	7,135.89	7,141.41	7,139.55	152.23	30.53	91.85	169.01	942.54	5,193.67	5,101.18	92.49	56.153		
12,400.00	7,136.13	7,142.22	7,140.36	155.00	30.53	91.88	169.00	942.54	5,288.75	5,196.21	92.54	57.150		
12,500.00	7,136.37	7,143.03	7,141.17	157.78	30.53	91.91	168.99	942.53	5,384.02	5,291.43	92.59	58.150		
12,600.00	7,136.61	7,143.83	7,141.97	160.55	30.54	91.94	168.99	942.53	5,479.45	5,386.82	92.64	59.151		
12,700.00	7,136.85	7,144.64	7,142.78	163.33	30.54	91.97	168.98	942.53	5,575.05	5,482.37	92.68	60.153		
12,800.00	7,137.09	7,145.45	7,143.59	166.12	30.54	92.00	168.97	942.52	5,670.79	5,578.07	92.73	61.157		
12,900.00	7,137.33	7,146.25	7,144.39	168.90	30.55	92.02	168.97	942.52	5,766.68	5,673.91	92.77	62.162		
13,000.00	7,137.57	7,147.06	7,145.20	171.69	30.55	92.05	168.96	942.51	5,862.71	5,769.90	92.81	63.168		
13,100.00	7,137.81	7,147.87	7,146.01	174.48	30.55	92.08	168.95	942.51	5,958.87	5,866.01	92.85	64.175		
13,200.00	7,138.05	7,148.67	7,146.82	177.27	30.56	92.11	168.95	942.50	6,055.15	5,962.25	92.89	65.183		
13,300.00	7,138.29	7,149.48	7,147.62	180.07	30.56	92.14	168.94	942.50	6,151.55	6,058.61	92.94	66.191		
13,400.00	7,138.53	7,150.29	7,148.43	182.86	30.57	92.17	168.94	942.49	6,248.06	6,155.09	92.98	67.201		
13,500.00	7,138.77	7,151.09	7,149.24	185.66	30.57	92.20	168.93	942.49	6,344.68	6,251.67	93.02	68.210		
13,600.00	7,139.01	7,151.90	7,150.04	188.46	30.57	92.22	168.92	942.48	6,441.41	6,348.35	93.06	69.220		
13,700.00	7,139.25	7,152.71	7,150.85	191.26	30.58	92.25	168.92	942.48	6,538.23	6,445.14	93.10	70.231		
13,800.00	7,139.49	7,153.52	7,151.66	194.06	30.58	92.28	168.91	942.48	6,635.15	6,542.01	93.14	71.241		
13,900.00	7,139.73	7,154.32	7,152.46	196.87	30.58	92.31	168.90	942.47	6,732.16	6,638.98	93.18	72.252		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,155.13	7,153.27	199.68	30.59	92.34	168.90	942.47	6,829.25	6,736.03	93.22	73.263		
14,100.00	7,140.21	7,155.94	7,154.08	202.48	30.59	92.37	168.89	942.46	6,926.43	6,833.17	93.26	74.274		
14,200.00	7,140.45	7,156.74	7,154.88	205.29	30.59	92.40	168.88	942.46	7,023.68	6,930.39	93.29	75.285		
14,300.00	7,140.69	7,157.55	7,155.69	208.10	30.60	92.42	168.88	942.45	7,121.01	7,027.68	93.33	76.295		
14,400.00	7,140.93	7,158.36	7,156.50	210.91	30.60	92.45	168.87	942.45	7,218.42	7,125.04	93.37	77.306		
14,500.00	7,141.17	7,159.16	7,157.30	213.73	30.60	92.48	168.87	942.44	7,315.89	7,222.47	93.42	78.316		
14,600.00	7,141.41	7,159.97	7,158.11	216.54	30.61	92.51	168.86	942.44	7,413.43	7,319.98	93.46	79.326		
14,700.00	7,141.65	7,160.78	7,158.92	219.36	30.61	92.54	168.85	942.44	7,511.04	7,417.54	93.50	80.335		
14,800.00	7,141.89	7,161.58	7,159.72	222.17	30.61	92.57	168.85	942.43	7,608.70	7,515.17	93.54	81.344		
14,900.00	7,142.13	7,162.39	7,160.53	224.99	30.62	92.59	168.84	942.43	7,706.43	7,612.85	93.58	82.353		
15,000.00	7,142.36	7,163.20	7,161.34	227.81	30.62	92.62	168.83	942.42	7,804.22	7,710.60	93.62	83.361		
15,100.00	7,142.60	7,164.00	7,162.14	230.63	30.62	92.65	168.83	942.42	7,902.06	7,808.40	93.66	84.368		
15,200.00	7,142.84	7,164.81	7,162.95	233.45	30.63	92.68	168.82	942.41	7,999.95	7,906.25	93.70	85.375		
15,300.00	7,143.08	7,165.62	7,163.76	236.27	30.63	92.71	168.82	942.41	8,097.90	8,004.15	93.75	86.381		
15,400.00	7,143.32	7,166.42	7,164.56	239.09	30.63	92.74	168.81	942.40	8,195.89	8,102.10	93.79	87.387		
15,500.00	7,143.56	7,167.23	7,165.37	241.91	30.64	92.76	168.80	942.40	8,293.93	8,200.10	93.83	88.391		
15,600.00	7,143.80	7,168.04	7,166.18	244.73	30.64	92.79	168.80	942.39	8,392.02	8,298.15	93.88	89.395		
15,700.00	7,144.04	7,168.84	7,166.98	247.56	30.64	92.82	168.79	942.39	8,490.15	8,396.23	93.92	90.398		
15,800.00	7,144.28	7,169.65	7,167.79	250.38	30.65	92.85	168.78	942.39	8,588.33	8,494.37	93.96	91.400		
15,900.00	7,144.52	7,170.46	7,168.60	253.21	30.65	92.88	168.78	942.38	8,686.55	8,592.54	94.01	92.401		
16,000.00	7,144.76	7,171.26	7,169.40	256.03	30.65	92.91	168.77	942.38	8,784.81	8,690.75	94.05	93.401		
16,100.00	7,145.00	7,172.07	7,170.21	258.86	30.66	92.94	168.76	942.37	8,883.10	8,789.00	94.10	94.400		
16,200.00	7,145.24	7,172.87	7,171.01	261.69	30.66	92.96	168.76	942.37	8,981.44	8,887.29	94.15	95.398		
16,300.00	7,145.48	7,173.68	7,171.82	264.52	30.66	92.99	168.75	942.36	9,079.81	8,985.61	94.19	96.395		
16,400.00	7,145.72	7,174.49	7,172.63	267.35	30.67	93.02	168.75	942.36	9,178.21	9,083.97	94.24	97.391		
16,500.00	7,145.96	7,175.29	7,173.43	270.18	30.67	93.05	168.74	942.35	9,276.65	9,182.36	94.29	98.386		
16,600.00	7,146.20	7,176.10	7,174.24	273.01	30.68	93.08	168.73	942.35	9,375.13	9,280.79	94.34	99.379		
16,700.00	7,146.44	7,176.91	7,175.05	275.84	30.68	93.11	168.73	942.34	9,473.63	9,379.24	94.39	100.372		
16,800.00	7,146.68	7,177.71	7,175.85	278.67	30.68	93.13	168.72	942.34	9,572.17	9,477.73	94.43	101.363		
16,900.00	7,146.92	7,178.52	7,176.66	281.50	30.69	93.16	168.71	942.34	9,670.73	9,576.25	94.48	102.353		
17,000.00	7,147.16	7,179.33	7,177.46	284.33	30.69	93.19	168.71	942.33	9,769.33	9,674.79	94.53	103.341		
17,100.00	7,147.40	7,180.13	7,178.27	287.16	30.69	93.22	168.70	942.33	9,867.95	9,773.36	94.59	104.328		
17,200.00	7,147.64	7,180.94	7,179.08	290.00	30.70	93.25	168.69	942.32	9,966.60	9,871.96	94.64	105.314		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	101.57	-325.27	1,588.52	1,622.16					
100.00	100.00	58.68	58.68	3.28	3.28	101.57	-325.18	1,588.43	1,621.39	1,614.82	6.57	246.893		
200.00	200.00	155.13	155.13	3.34	3.31	101.56	-324.77	1,588.12	1,620.98	1,614.34	6.65	243.835		
300.00	299.98	251.02	251.02	3.44	3.39	-35.75	-324.62	1,588.27	1,619.69	1,612.85	6.83	237.094		
400.00	399.84	353.41	353.41	3.59	3.53	-35.91	-324.68	1,588.28	1,615.46	1,608.34	7.12	226.884		
500.00	499.45	444.19	444.19	3.80	3.69	-36.16	-324.56	1,588.38	1,608.50	1,601.02	7.48	215.000		
600.00	598.70	527.25	527.24	4.04	3.86	-36.51	-323.96	1,589.38	1,599.70	1,591.80	7.90	202.452		
700.00	697.47	612.17	612.14	4.32	4.07	-36.95	-323.42	1,591.18	1,589.07	1,580.68	8.39	189.400		
800.00	795.62	695.99	695.91	4.65	4.30	-37.49	-322.94	1,593.72	1,576.64	1,567.71	8.93	176.506		
900.00	893.06	786.42	786.28	5.01	4.57	-38.17	-322.40	1,597.12	1,562.28	1,552.74	9.54	163.684		
1,000.00	989.64	882.49	882.27	5.42	4.88	-39.01	-321.77	1,601.01	1,545.66	1,535.44	10.22	151.211		
1,044.50	1,032.32	924.44	924.18	5.61	5.01	-39.42	-321.45	1,602.73	1,537.48	1,526.94	10.54	145.901		
1,100.00	1,085.43	975.81	975.51	5.86	5.19	-39.81	-321.02	1,604.89	1,527.08	1,516.14	10.94	139.643		
1,200.00	1,181.11	1,063.31	1,062.91	6.33	5.49	-40.48	-320.49	1,608.83	1,508.83	1,497.17	11.66	129.399		
1,300.00	1,276.80	1,154.27	1,153.76	6.81	5.82	-41.16	-320.76	1,613.36	1,491.41	1,478.98	12.43	120.033		
1,400.00	1,372.49	1,245.68	1,245.05	7.31	6.16	-41.87	-320.94	1,618.14	1,474.46	1,461.24	13.22	111.562		
1,500.00	1,468.17	1,333.73	1,332.96	7.83	6.49	-42.57	-320.90	1,623.23	1,458.27	1,444.25	14.02	104.023		
1,600.00	1,563.86	1,419.99	1,419.03	8.35	6.83	-43.29	-320.42	1,628.79	1,442.97	1,428.14	14.83	97.276		
1,700.00	1,659.55	1,503.36	1,502.18	8.88	7.17	-44.00	-319.97	1,634.89	1,428.81	1,413.16	15.65	91.269		
1,800.00	1,755.23	1,593.77	1,592.28	9.42	7.54	-44.80	-319.12	1,642.14	1,415.62	1,399.10	16.52	85.716		
1,900.00	1,850.92	1,687.08	1,685.26	9.97	7.93	-45.65	-318.01	1,649.97	1,403.11	1,385.71	17.40	80.643		
2,000.00	1,946.61	1,787.84	1,785.67	10.52	8.35	-46.54	-317.70	1,658.40	1,390.95	1,372.63	18.32	75.922		
2,100.00	2,042.29	1,888.33	1,885.83	11.07	8.77	-47.43	-317.99	1,666.50	1,378.81	1,359.56	19.25	71.621		
2,200.00	2,137.98	2,000.16	1,997.35	11.63	9.24	-48.43	-318.19	1,674.82	1,366.40	1,346.17	20.23	67.534		
2,300.00	2,233.67	2,096.71	2,093.68	12.19	9.63	-49.33	-318.02	1,681.44	1,353.76	1,332.59	21.17	63.954		
2,400.00	2,329.35	2,198.86	2,195.59	12.76	10.06	-50.31	-317.59	1,688.25	1,341.30	1,319.17	22.13	60.608		
2,500.00	2,425.04	2,302.58	2,299.12	13.32	10.48	-51.31	-317.51	1,694.69	1,328.76	1,305.65	23.11	57.506		
2,600.00	2,520.72	2,411.59	2,407.96	13.89	10.93	-52.37	-317.85	1,700.70	1,315.87	1,291.77	24.11	54.589		
2,700.00	2,616.41	2,509.18	2,505.42	14.46	11.32	-53.34	-318.16	1,705.62	1,302.91	1,277.84	25.07	51.967		
2,800.00	2,712.10	2,599.44	2,595.56	15.03	11.69	-54.25	-318.40	1,710.35	1,290.53	1,264.51	26.02	49.597		
2,900.00	2,807.78	2,687.03	2,683.00	15.60	12.06	-55.14	-318.74	1,715.45	1,279.09	1,252.12	26.97	47.435		
3,000.00	2,903.47	2,782.54	2,778.32	16.18	12.46	-56.12	-319.25	1,721.47	1,268.49	1,240.54	27.94	45.396		
3,100.00	2,999.16	2,875.10	2,870.68	16.75	12.84	-57.08	-319.83	1,727.46	1,258.43	1,229.51	28.92	43.522		
3,200.00	3,094.84	2,968.93	2,964.28	17.33	13.24	-58.05	-320.66	1,733.90	1,249.12	1,219.22	29.90	41.781		
3,300.00	3,190.53	3,063.20	3,058.32	17.90	13.64	-59.05	-321.28	1,740.53	1,240.41	1,209.53	30.88	40.164		
3,400.00	3,286.22	3,157.92	3,152.81	18.48	14.04	-60.10	-321.09	1,747.23	1,232.35	1,200.47	31.88	38.659		
3,500.00	3,381.90	3,257.07	3,251.70	19.06	14.46	-61.19	-321.32	1,754.38	1,224.79	1,191.90	32.89	37.237		
3,600.00	3,477.59	3,360.68	3,355.06	19.64	14.90	-62.33	-322.04	1,761.55	1,217.28	1,183.35	33.93	35.880		
3,700.00	3,573.28	3,459.32	3,453.48	20.22	15.32	-63.42	-322.85	1,767.94	1,209.77	1,174.83	34.94	34.619		
3,800.00	3,668.96	3,551.46	3,545.40	20.80	15.71	-64.43	-324.17	1,774.23	1,202.88	1,166.93	35.94	33.467		
3,900.00	3,764.65	3,641.87	3,635.51	21.38	16.10	-65.38	-326.27	1,781.17	1,196.94	1,160.01	36.93	32.407		
4,000.00	3,860.33	3,738.98	3,732.20	21.96	16.52	-66.34	-329.73	1,789.51	1,191.84	1,153.88	37.96	31.398		
4,100.00	3,956.02	3,840.84	3,833.57	22.54	16.97	-67.29	-334.78	1,798.27	1,186.64	1,147.64	39.01	30.422		
4,200.00	4,051.71	3,937.14	3,929.38	23.13	17.39	-68.20	-339.46	1,806.63	1,181.88	1,141.84	40.03	29.522		
4,300.00	4,147.39	4,036.35	4,028.14	23.71	17.82	-69.17	-343.84	1,814.99	1,177.36	1,136.29	41.07	28.665		
4,400.00	4,243.08	4,136.20	4,127.58	24.29	18.26	-70.19	-347.68	1,823.12	1,173.16	1,131.04	42.12	27.855		
4,500.00	4,338.77	4,234.99	4,226.01	24.88	18.69	-71.21	-351.46	1,830.77	1,168.96	1,125.81	43.15	27.088		
4,600.00	4,434.45	4,330.40	4,321.08	25.46	19.10	-72.23	-354.41	1,838.26	1,165.55	1,121.37	44.18	26.383		
4,700.00	4,530.14	4,424.93	4,413.28	26.04	19.58	-73.46	-357.72	1,846.08	1,161.81	1,116.55	45.27	25.665		
4,800.00	4,625.83	4,523.85	4,514.01	26.63	20.05	-74.75	-360.44	1,851.95	1,157.30	1,110.95	46.34	24.971		
4,900.00	4,721.51	4,618.54	4,608.61	27.21	20.48	-76.04	-362.37	1,855.99	1,152.31	1,104.92	47.39	24.313		
5,000.00	4,817.20	4,714.04	4,704.05	27.80	20.91	-77.36	-363.94	1,859.19	1,147.38	1,098.94	48.44	23.688		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,863.30	4,853.28	28.38	21.33	-78.71	-364.97	1,861.30	1,142.44	1,092.97	49.47	23.094		
5,200.00	5,008.57	4,960.91	4,950.88	28.97	21.73	-80.05	-365.62	1,862.85	1,137.89	1,087.40	50.49	22.537		
5,300.00	5,104.26	5,059.67	5,049.63	29.55	22.14	-81.43	-366.00	1,864.10	1,133.89	1,082.38	51.51	22.012		
5,400.00	5,199.94	5,158.62	5,148.57	30.14	22.55	-82.83	-366.42	1,865.00	1,130.27	1,077.74	52.53	21.517		
5,500.00	5,295.63	5,261.35	5,251.28	30.72	22.97	-84.25	-367.76	1,866.17	1,127.01	1,073.46	53.55	21.045		
5,600.00	5,391.32	5,359.96	5,349.86	31.31	23.38	-85.57	-370.14	1,867.39	1,123.82	1,069.26	54.56	20.598		
5,700.00	5,487.00	5,451.47	5,441.34	31.90	23.76	-86.82	-372.05	1,868.50	1,121.44	1,065.90	55.54	20.190		
5,800.00	5,582.69	5,544.02	5,533.87	32.48	24.15	-88.11	-373.32	1,869.69	1,120.19	1,063.67	56.52	19.818		
5,891.68	5,670.42	5,629.70	5,619.54	33.02	24.50	-89.32	-374.20	1,870.67	1,119.75	1,062.33	57.42	19.501 CC		
5,900.00	5,678.38	5,637.08	5,626.92	33.07	24.53	-89.42	-374.27	1,870.77	1,119.75	1,062.25	57.50	19.474		
6,000.00	5,774.06	5,727.63	5,717.46	33.65	24.91	-90.70	-374.91	1,872.22	1,120.49	1,062.04	58.46	19.168 ES		
6,100.00	5,869.75	5,823.99	5,813.81	34.24	25.31	-92.05	-375.46	1,873.94	1,122.13	1,062.70	59.43	18.881		
6,200.00	5,965.44	5,924.58	5,914.38	34.83	25.73	-93.47	-376.07	1,875.38	1,124.19	1,063.77	60.42	18.608		
6,300.00	6,061.12	6,022.09	6,011.88	35.41	26.14	-94.87	-376.44	1,876.08	1,126.62	1,065.24	61.38	18.355		
6,400.00	6,156.81	6,115.12	6,104.92	36.00	26.52	-96.21	-376.53	1,876.72	1,129.95	1,067.63	62.32	18.132		
6,500.00	6,252.50	6,218.98	6,208.78	36.59	26.96	-97.71	-376.71	1,877.05	1,133.69	1,070.40	63.29	17.912		
6,600.00	6,348.18	6,321.48	6,311.27	37.18	27.39	-99.21	-376.97	1,876.36	1,137.51	1,073.26	64.25	17.703		
6,636.04	6,382.67	6,357.33	6,347.12	37.39	27.54	-99.74	-377.08	1,875.95	1,138.96	1,074.36	64.59	17.633		
6,650.00	6,396.05	6,371.25	6,361.04	37.47	27.59	-103.27	-377.13	1,875.78	1,139.63	1,074.90	64.72	17.608		
6,700.00	6,444.38	6,421.98	6,411.76	37.74	27.81	-118.78	-377.35	1,875.10	1,143.64	1,078.46	65.18	17.547		
6,750.00	6,493.07	6,473.78	6,463.56	37.98	28.02	-138.37	-377.65	1,874.29	1,150.04	1,084.44	65.60	17.530 SF		
6,800.00	6,541.82	6,524.13	6,513.90	38.18	28.23	-158.95	-378.00	1,873.39	1,158.73	1,092.73	66.00	17.557		
6,850.00	6,590.35	6,572.67	6,562.43	38.35	28.44	-176.48	-378.35	1,872.50	1,169.70	1,103.34	66.37	17.625		
6,900.00	6,638.34	6,622.40	6,612.14	38.50	28.64	-170.38	-378.69	1,871.56	1,182.87	1,116.14	66.73	17.726		
6,950.00	6,685.50	6,673.56	6,663.30	38.64	28.86	-160.84	-379.08	1,870.43	1,198.03	1,130.93	67.10	17.855		
7,000.00	6,731.54	6,724.46	6,714.18	38.77	29.07	-153.78	-379.52	1,869.09	1,215.11	1,147.64	67.47	18.009		
7,050.00	6,776.18	6,774.92	6,764.60	38.90	29.28	-148.35	-380.03	1,867.51	1,234.01	1,166.16	67.85	18.188		
7,100.00	6,819.14	6,820.66	6,810.31	39.03	29.48	-143.94	-380.53	1,865.88	1,254.71	1,186.49	68.22	18.393		
7,150.00	6,860.16	6,861.28	6,850.90	39.16	29.65	-140.14	-380.94	1,864.41	1,277.34	1,208.77	68.58	18.626		
7,200.00	6,898.98	6,899.85	6,889.45	39.31	29.81	-136.74	-381.28	1,863.02	1,301.89	1,232.95	68.94	18.885		
7,250.00	6,935.36	6,941.32	6,930.89	39.47	29.98	-133.70	-381.64	1,861.46	1,328.22	1,258.90	69.32	19.161		
7,300.00	6,969.08	6,980.27	6,969.80	39.65	30.15	-130.77	-382.01	1,859.86	1,356.19	1,286.50	69.69	19.460		
7,350.00	6,999.94	7,016.43	7,005.93	39.85	30.30	-127.85	-382.38	1,858.25	1,385.77	1,315.71	70.06	19.780		
7,400.00	7,027.74	7,044.62	7,034.08	40.08	30.42	-124.66	-382.61	1,856.94	1,416.95	1,346.55	70.40	20.126		
7,450.00	7,052.31	7,071.41	7,060.84	40.34	30.53	-121.33	-382.80	1,855.64	1,449.63	1,378.88	70.74	20.492		
7,500.00	7,073.49	7,104.96	7,084.44	40.63	30.68	-117.75	-382.93	1,854.46	1,483.67	1,412.57	71.11	20.866		
7,550.00	7,091.17	7,115.09	7,104.46	40.95	30.72	-113.86	-383.02	1,853.44	1,518.96	1,447.59	71.37	21.284		
7,600.00	7,105.22	7,131.59	7,120.94	41.31	30.79	-109.63	-383.10	1,852.59	1,555.31	1,483.67	71.65	21.707		
7,650.00	7,115.57	7,144.43	7,133.76	41.71	30.85	-105.05	-383.16	1,851.94	1,592.57	1,520.66	71.91	22.148		
7,700.00	7,122.15	7,153.53	7,142.86	42.15	30.89	-100.15	-383.20	1,851.47	1,630.53	1,558.39	72.13	22.604		
7,750.00	7,124.91	7,158.85	7,148.17	42.62	30.91	-94.99	-383.22	1,851.20	1,668.98	1,596.64	72.33	23.073		
7,759.54	7,125.00	7,159.43	7,148.75	42.72	30.91	-93.98	-383.23	1,851.17	1,676.35	1,603.98	72.37	23.164		
7,800.00	7,125.10	7,161.60	7,150.91	43.13	30.92	-94.10	-383.24	1,851.06	1,707.83	1,635.31	72.51	23.552		
7,900.00	7,125.34	7,166.95	7,156.26	44.28	30.94	-94.39	-383.26	1,850.79	1,787.17	1,714.31	72.86	24.529		
8,000.00	7,125.58	7,172.30	7,161.60	45.61	30.97	-94.67	-383.29	1,850.51	1,868.47	1,795.29	73.19	25.530		
8,100.00	7,125.82	7,177.66	7,166.95	47.10	30.99	-94.96	-383.31	1,850.24	1,951.51	1,878.01	73.50	26.551		
8,200.00	7,126.06	7,183.01	7,172.30	48.72	31.01	-95.25	-383.34	1,849.97	2,036.05	1,962.25	73.79	27.591		
8,300.00	7,126.30	7,188.37	7,177.64	50.48	31.04	-95.54	-383.36	1,849.69	2,121.92	2,047.85	74.07	28.647		
8,400.00	7,126.54	7,193.72	7,182.99	52.34	31.06	-95.82	-383.38	1,849.42	2,208.97	2,134.64	74.33	29.718		
8,500.00	7,126.78	7,199.07	7,188.34	54.30	31.08	-96.11	-383.41	1,849.15	2,297.07	2,222.49	74.57	30.802		
8,600.00	7,127.02	7,204.43	7,193.68	56.35	31.10	-96.39	-383.43	1,848.87	2,386.09	2,311.28	74.80	31.898		
8,700.00	7,127.26	7,209.78	7,199.03	58.47	31.13	-96.68	-383.46	1,848.60	2,475.93	2,400.91	75.02	33.004		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,215.13	7,204.38	60.66	31.15	96.96	-383.48	1,848.33	2,566.52	2,491.30	75.22	34.119		
8,900.00	7,127.74	7,220.49	7,209.73	62.90	31.17	97.25	-383.51	1,848.05	2,657.77	2,582.36	75.41	35.242		
9,000.00	7,127.98	7,225.84	7,215.07	65.19	31.20	97.53	-383.53	1,847.78	2,749.62	2,674.02	75.60	36.373		
9,100.00	7,128.22	7,231.20	7,220.42	67.53	31.22	97.82	-383.56	1,847.50	2,842.01	2,766.24	75.77	37.510		
9,200.00	7,128.46	7,236.55	7,225.77	69.92	31.24	98.10	-383.58	1,847.23	2,934.89	2,858.96	75.93	38.653		
9,300.00	7,128.70	7,241.90	7,231.11	72.33	31.27	98.38	-383.61	1,846.96	3,028.21	2,952.12	76.08	39.801		
9,400.00	7,128.94	7,247.26	7,236.46	74.78	31.29	98.67	-383.63	1,846.68	3,121.93	3,045.70	76.23	40.953		
9,500.00	7,129.18	7,252.61	7,241.81	77.26	31.31	98.95	-383.66	1,846.41	3,216.03	3,139.66	76.37	42.110		
9,600.00	7,129.42	7,257.97	7,247.15	79.76	31.34	99.23	-383.68	1,846.14	3,310.46	3,233.96	76.51	43.270		
9,700.00	7,129.66	7,263.32	7,252.50	82.29	31.36	99.51	-383.71	1,845.86	3,405.21	3,328.57	76.64	44.433		
9,800.00	7,129.90	7,268.67	7,257.85	84.84	31.38	99.79	-383.73	1,845.59	3,500.23	3,423.47	76.76	45.599		
9,900.00	7,130.14	7,274.03	7,263.19	87.41	31.40	100.07	-383.76	1,845.32	3,595.52	3,518.64	76.88	46.767		
10,000.00	7,130.38	7,279.38	7,268.54	90.00	31.43	100.35	-383.78	1,845.04	3,691.05	3,614.06	77.00	47.938		
10,100.00	7,130.62	7,284.73	7,273.89	92.60	31.45	100.63	-383.80	1,844.77	3,786.81	3,709.70	77.11	49.110		
10,200.00	7,130.86	7,290.09	7,279.23	95.22	31.47	100.91	-383.83	1,844.50	3,882.77	3,805.55	77.22	50.284		
10,300.00	7,131.09	7,295.44	7,284.58	97.85	31.50	101.19	-383.85	1,844.22	3,978.92	3,901.60	77.32	51.459		
10,400.00	7,131.33	7,300.80	7,289.93	100.50	31.52	101.47	-383.88	1,843.95	4,075.25	3,997.82	77.42	52.635		
10,500.00	7,131.57	7,306.15	7,295.27	103.16	31.54	101.75	-383.90	1,843.67	4,171.74	4,094.22	77.52	53.813		
10,600.00	7,131.81	7,311.50	7,300.62	105.82	31.57	102.02	-383.93	1,843.40	4,268.40	4,190.77	77.62	54.990		
10,700.00	7,132.05	7,316.86	7,305.97	108.50	31.59	102.30	-383.95	1,843.13	4,365.19	4,287.47	77.72	56.168		
10,800.00	7,132.29	7,322.21	7,311.31	111.19	31.61	102.58	-383.98	1,842.85	4,462.12	4,384.31	77.81	57.347		
10,900.00	7,132.53	7,327.57	7,316.66	113.88	31.63	102.85	-384.00	1,842.58	4,559.18	4,481.28	77.90	58.526		
11,000.00	7,132.77	7,332.92	7,322.01	116.58	31.66	103.13	-384.03	1,842.31	4,656.35	4,578.36	77.99	59.704		
11,100.00	7,133.01	7,338.27	7,327.35	119.29	31.68	103.40	-384.05	1,842.03	4,753.64	4,675.56	78.08	60.883		
11,200.00	7,133.25	7,343.63	7,332.70	122.01	31.70	103.67	-384.08	1,841.76	4,851.03	4,772.86	78.17	62.061		
11,300.00	7,133.49	7,348.98	7,338.05	124.73	31.73	103.95	-384.10	1,841.49	4,948.52	4,870.26	78.25	63.239		
11,400.00	7,133.73	7,354.33	7,343.39	127.46	31.75	104.22	-384.13	1,841.21	5,046.10	4,967.76	78.34	64.417		
11,500.00	7,133.97	7,359.69	7,348.74	130.19	31.77	104.49	-384.15	1,840.94	5,143.77	5,065.35	78.42	65.593		
11,600.00	7,134.21	7,365.04	7,354.09	132.93	31.80	104.76	-384.17	1,840.67	5,241.52	5,163.01	78.50	66.770		
11,700.00	7,134.45	7,370.40	7,359.43	135.68	31.82	105.03	-384.20	1,840.39	5,339.35	5,260.76	78.58	67.945		
11,800.00	7,134.69	7,375.75	7,364.78	138.43	31.84	105.30	-384.22	1,840.12	5,437.25	5,358.58	78.66	69.119		
11,900.00	7,134.93	7,381.10	7,370.13	141.18	31.87	105.57	-384.25	1,839.84	5,535.22	5,456.48	78.75	70.293		
12,000.00	7,135.17	7,386.46	7,375.47	143.94	31.89	105.84	-384.27	1,839.57	5,633.26	5,554.43	78.83	71.465		
12,100.00	7,135.41	7,391.81	7,380.82	146.70	31.91	106.11	-384.30	1,839.30	5,731.36	5,652.46	78.90	72.636		
12,200.00	7,135.65	7,397.16	7,386.17	149.46	31.93	106.37	-384.32	1,839.02	5,829.52	5,750.54	78.98	73.806		
12,300.00	7,135.89	7,402.52	7,391.52	152.23	31.96	106.64	-384.35	1,838.75	5,927.74	5,848.68	79.06	74.975		
12,400.00	7,136.13	7,407.87	7,396.86	155.00	31.98	106.90	-384.37	1,838.48	6,026.01	5,946.87	79.14	76.142		
12,500.00	7,136.37	7,413.22	7,402.20	157.78	31.87	106.66	-384.26	1,839.75	6,124.41	6,045.26	79.14	77.382		
12,600.00	7,136.61	7,418.57	7,407.54	160.55	31.87	106.66	-384.26	1,839.75	6,222.81	6,143.60	79.21	78.562		
12,700.00	7,136.85	7,423.92	7,412.88	163.33	31.87	106.66	-384.26	1,839.75	6,321.26	6,241.98	79.27	79.740		
12,800.00	7,137.09	7,429.27	7,418.22	166.12	31.87	106.66	-384.26	1,839.75	6,419.75	6,340.42	79.34	80.917		
12,900.00	7,137.33	7,434.62	7,423.56	168.90	31.87	106.66	-384.26	1,839.75	6,518.30	6,438.89	79.40	82.094		
13,000.00	7,137.57	7,440.00	7,428.90	171.69	31.87	106.66	-384.26	1,839.75	6,616.88	6,537.42	79.46	83.269		
13,100.00	7,137.81	7,445.35	7,434.24	174.48	31.87	106.66	-384.26	1,839.75	6,715.51	6,635.98	79.53	84.442		
13,200.00	7,138.05	7,450.70	7,439.58	177.27	31.87	106.66	-384.26	1,839.75	6,814.18	6,734.59	79.59	85.615		
13,300.00	7,138.29	7,456.05	7,444.92	180.07	31.87	106.66	-384.26	1,839.75	6,912.89	6,833.23	79.65	86.786		
13,400.00	7,138.53	7,461.40	7,450.26	182.86	31.87	106.66	-384.26	1,839.75	7,011.63	6,931.91	79.72	87.956		
13,500.00	7,138.77	7,466.75	7,455.60	185.66	31.87	106.66	-384.26	1,839.75	7,110.41	7,030.63	79.78	89.124		
13,600.00	7,139.01	7,472.10	7,460.94	188.46	31.87	106.66	-384.26	1,839.75	7,209.22	7,129.37	79.84	90.291		
13,700.00	7,139.25	7,477.45	7,466.28	191.26	31.87	106.66	-384.26	1,839.75	7,308.06	7,228.16	79.91	91.456		
13,800.00	7,139.49	7,482.80	7,471.62	194.06	31.87	106.66	-384.26	1,839.75	7,406.94	7,326.97	79.97	92.620		
13,900.00	7,139.73	7,488.15	7,476.96	196.87	31.87	106.66	-384.26	1,839.75	7,505.84	7,425.81	80.03	93.782		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,139.97	7,383.00	7,372.02	199.68	31.87	105.66	-384.26	1,839.75	7,604.78	7,524.68	80.10	94.943		
14,100.00	7,140.21	7,383.00	7,372.02	202.48	31.87	105.66	-384.26	1,839.75	7,703.74	7,623.58	80.16	96.102		
14,200.00	7,140.45	7,383.00	7,372.02	205.29	31.87	105.66	-384.26	1,839.75	7,802.73	7,722.50	80.23	97.259		
14,300.00	7,140.69	7,383.00	7,372.02	208.10	31.87	105.66	-384.26	1,839.75	7,901.74	7,821.45	80.29	98.414		
14,400.00	7,140.93	7,383.00	7,372.02	210.91	31.87	105.66	-384.26	1,839.75	8,000.78	7,920.42	80.36	99.567		
14,500.00	7,141.17	7,383.00	7,372.02	213.73	31.87	105.66	-384.26	1,839.75	8,099.84	8,019.42	80.42	100.719		
14,600.00	7,141.41	7,383.00	7,372.02	216.54	31.87	105.66	-384.26	1,839.75	8,198.92	8,118.44	80.49	101.868		
14,700.00	7,141.65	7,383.00	7,372.02	219.36	31.87	105.66	-384.26	1,839.75	8,298.03	8,217.48	80.55	103.016		
14,800.00	7,141.89	7,383.00	7,372.02	222.17	31.87	105.66	-384.26	1,839.75	8,397.16	8,316.54	80.62	104.162		
14,900.00	7,142.13	7,383.00	7,372.02	224.99	31.87	105.66	-384.26	1,839.75	8,496.30	8,415.62	80.68	105.305		
15,000.00	7,142.36	7,383.00	7,372.02	227.81	31.87	105.66	-384.26	1,839.75	8,595.47	8,514.72	80.75	106.447		
15,100.00	7,142.60	7,383.00	7,372.02	230.63	31.87	105.66	-384.26	1,839.75	8,694.66	8,613.84	80.82	107.587		
15,200.00	7,142.84	7,383.00	7,372.02	233.45	31.87	105.66	-384.26	1,839.75	8,793.86	8,712.98	80.88	108.724		
15,300.00	7,143.08	7,383.00	7,372.02	236.27	31.87	105.66	-384.26	1,839.75	8,893.09	8,812.14	80.95	109.860		
15,400.00	7,143.32	7,383.00	7,372.02	239.09	31.87	105.66	-384.26	1,839.75	8,992.33	8,911.31	81.02	110.993		
15,500.00	7,143.56	7,383.00	7,372.02	241.91	31.87	105.66	-384.26	1,839.75	9,091.58	9,010.50	81.08	112.124		
15,600.00	7,143.80	7,383.00	7,372.02	244.73	31.87	105.66	-384.26	1,839.75	9,190.86	9,109.70	81.15	113.253		
15,700.00	7,144.04	7,383.00	7,372.02	247.56	31.87	105.66	-384.26	1,839.75	9,290.15	9,208.92	81.22	114.380		
15,800.00	7,144.28	7,383.00	7,372.02	250.38	31.87	105.66	-384.26	1,839.75	9,389.45	9,308.16	81.29	115.504		
15,900.00	7,144.52	7,383.00	7,372.02	253.21	31.87	105.66	-384.26	1,839.75	9,488.77	9,407.41	81.36	116.626		
16,000.00	7,144.76	7,383.00	7,372.02	256.03	31.87	105.66	-384.26	1,839.75	9,588.10	9,506.67	81.43	117.746		
16,100.00	7,145.00	7,383.00	7,372.02	258.86	31.87	105.66	-384.26	1,839.75	9,687.45	9,605.95	81.50	118.864		
16,200.00	7,145.24	7,383.00	7,372.02	261.69	31.87	105.66	-384.26	1,839.75	9,786.81	9,705.23	81.57	119.979		
16,300.00	7,145.48	7,383.00	7,372.02	264.52	31.87	105.66	-384.26	1,839.75	9,886.18	9,804.54	81.64	121.091		
16,400.00	7,145.72	7,383.00	7,372.02	267.35	31.87	105.66	-384.26	1,839.75	9,985.56	9,903.85	81.71	122.202		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-162.53	-3,276.91	-1,031.05	3,435.38					
100.00	100.00	75.00	75.00	3.28	3.53	-162.53	-3,276.91	-1,031.05	3,435.29	3,428.47	6.82	503.980		
200.00	200.00	175.00	175.00	3.34	5.46	-162.53	-3,276.91	-1,031.05	3,435.29	3,426.49	8.80	390.550		
300.00	299.98	274.98	274.98	3.44	8.51	60.26	-3,276.91	-1,031.05	3,434.42	3,422.47	11.95	287.354		
400.00	399.84	374.84	374.84	3.59	11.80	60.38	-3,276.91	-1,031.05	3,431.83	3,416.43	15.40	222.891		
500.00	499.45	474.45	474.45	3.80	15.18	60.58	-3,276.91	-1,031.05	3,427.52	3,408.55	18.97	180.699		
600.00	598.70	573.70	573.70	4.04	18.57	60.86	-3,276.91	-1,031.05	3,421.53	3,398.92	22.61	151.331		
700.00	697.47	672.47	672.47	4.32	21.98	61.22	-3,276.91	-1,031.05	3,413.88	3,387.59	26.30	129.830		
800.00	795.62	770.62	770.62	4.65	25.37	61.66	-3,276.91	-1,031.05	3,404.63	3,374.62	30.01	113.453		
900.00	893.06	868.06	868.06	5.01	28.75	62.18	-3,276.91	-1,031.05	3,393.82	3,360.08	33.74	100.583		
1,000.00	989.64	964.64	964.64	5.42	32.10	62.78	-3,276.91	-1,031.05	3,381.54	3,344.05	37.48	90.211		
1,044.50	1,032.32	1,007.32	1,007.32	5.61	33.58	63.07	-3,276.91	-1,031.05	3,375.61	3,336.46	39.15	86.216		
1,100.00	1,085.43	1,060.43	1,060.43	5.86	35.43	63.31	-3,276.91	-1,031.05	3,368.08	3,326.84	41.24	81.677		
1,200.00	1,181.11	1,156.11	1,156.11	6.33	38.75	63.73	-3,276.91	-1,031.05	3,354.66	3,309.65	45.01	74.530		
1,300.00	1,276.80	1,251.80	1,251.80	6.81	42.08	64.17	-3,276.91	-1,031.05	3,341.45	3,292.64	48.81	68.463		
1,400.00	1,372.49	1,347.49	1,347.49	7.31	45.41	64.60	-3,276.91	-1,031.05	3,328.43	3,275.81	52.62	63.255		
1,500.00	1,468.17	1,443.17	1,443.17	7.83	48.75	65.04	-3,276.91	-1,031.05	3,315.62	3,259.17	56.45	58.739		
1,600.00	1,563.86	1,538.86	1,538.86	8.35	52.08	65.48	-3,276.91	-1,031.05	3,303.01	3,242.72	60.29	54.789		
1,700.00	1,659.55	1,634.55	1,634.55	8.88	55.41	65.92	-3,276.91	-1,031.05	3,290.61	3,226.48	64.14	51.307		
1,800.00	1,755.23	1,730.23	1,730.23	9.42	58.75	66.37	-3,276.91	-1,031.05	3,278.42	3,210.43	67.99	48.217		
1,900.00	1,850.92	1,825.92	1,825.92	9.97	62.08	66.82	-3,276.91	-1,031.05	3,266.45	3,194.59	71.86	45.456		
2,000.00	1,946.61	1,921.61	1,921.61	10.52	65.42	67.27	-3,276.91	-1,031.05	3,254.69	3,178.96	75.73	42.977		
2,100.00	2,042.29	2,017.29	2,017.29	11.07	68.76	67.73	-3,276.91	-1,031.05	3,243.14	3,163.54	79.61	40.738		
2,200.00	2,137.98	2,112.98	2,112.98	11.63	72.09	68.19	-3,276.91	-1,031.05	3,231.82	3,148.33	83.49	38.708		
2,300.00	2,233.67	2,208.67	2,208.67	12.19	75.43	68.65	-3,276.91	-1,031.05	3,220.72	3,133.34	87.38	36.859		
2,400.00	2,329.35	2,304.35	2,304.35	12.76	78.77	69.11	-3,276.91	-1,031.05	3,209.85	3,118.57	91.27	35.168		
2,500.00	2,425.04	2,400.04	2,400.04	13.32	82.11	69.58	-3,276.91	-1,031.05	3,199.20	3,104.03	95.17	33.616		
2,600.00	2,520.72	2,504.28	2,504.28	13.89	85.74	70.05	-3,276.91	-1,031.05	3,188.78	3,089.41	99.37	32.091		
2,700.00	2,616.41	2,600.59	2,600.59	14.46	89.38	70.52	-3,276.91	-1,031.05	3,178.59	3,075.02	103.57	30.690		
2,800.00	2,712.10	2,696.28	2,696.28	15.03	92.12	71.00	-3,276.91	-1,031.05	3,168.64	3,061.76	106.88	29.648		
2,900.00	2,807.78	2,791.96	2,791.96	15.60	95.46	71.48	-3,276.91	-1,031.05	3,158.92	3,048.13	110.78	28.514		
3,000.00	2,903.47	2,887.65	2,887.65	16.18	98.80	71.96	-3,276.91	-1,031.05	3,149.44	3,034.74	114.69	27.460		
3,100.00	2,999.16	2,983.34	2,983.34	16.75	102.14	72.45	-3,276.91	-1,031.05	3,140.20	3,021.59	118.61	26.476		
3,200.00	3,094.84	3,079.02	3,079.02	17.33	105.47	72.93	-3,276.91	-1,031.05	3,131.20	3,008.68	122.52	25.556		
3,300.00	3,190.53	3,174.71	3,174.71	17.90	108.81	73.42	-3,276.91	-1,031.05	3,122.45	2,996.01	126.44	24.696		
3,400.00	3,286.22	3,270.40	3,270.40	18.48	112.15	73.91	-3,276.91	-1,031.05	3,113.94	2,983.58	130.36	23.888		
3,500.00	3,381.90	3,366.08	3,366.08	19.06	115.49	74.41	-3,276.91	-1,031.05	3,105.68	2,971.40	134.28	23.129		
3,600.00	3,477.59	3,461.77	3,461.77	19.64	118.83	74.91	-3,276.91	-1,031.05	3,097.67	2,959.47	138.20	22.415		
3,700.00	3,573.28	3,557.46	3,557.46	20.22	122.17	75.40	-3,276.91	-1,031.05	3,089.92	2,947.79	142.12	21.741		
3,800.00	3,668.96	3,653.14	3,653.14	20.80	125.51	75.91	-3,276.91	-1,031.05	3,082.41	2,936.37	146.05	21.106		
3,900.00	3,764.65	3,748.83	3,748.83	21.38	128.85	76.41	-3,276.91	-1,031.05	3,075.17	2,925.20	149.97	20.505		
4,000.00	3,860.33	3,844.51	3,844.51	21.96	132.19	76.92	-3,276.91	-1,031.05	3,068.18	2,914.28	153.90	19.936		
4,100.00	3,956.02	3,940.20	3,940.20	22.54	135.53	77.42	-3,276.91	-1,031.05	3,061.46	2,903.62	157.83	19.397		
4,200.00	4,051.71	4,035.89	4,035.89	23.13	138.87	77.93	-3,276.91	-1,031.05	3,054.99	2,893.23	161.76	18.886		
4,300.00	4,147.39	4,131.57	4,131.57	23.71	142.21	78.45	-3,276.91	-1,031.05	3,048.79	2,883.10	165.69	18.400		
4,400.00	4,243.08	4,227.26	4,227.26	24.29	145.54	78.96	-3,276.91	-1,031.05	3,042.85	2,873.23	169.62	17.939		
4,500.00	4,338.77	4,322.95	4,322.95	24.88	148.88	79.47	-3,276.91	-1,031.05	3,037.18	2,863.62	173.55	17.500		
4,600.00	4,434.45	4,418.63	4,418.63	25.46	152.22	79.99	-3,276.91	-1,031.05	3,031.77	2,854.29	177.49	17.082		
4,700.00	4,530.14	4,514.32	4,514.32	26.04	155.56	80.51	-3,276.91	-1,031.05	3,026.64	2,845.22	181.42	16.683		
4,800.00	4,625.83	4,610.01	4,610.01	26.63	158.90	81.03	-3,276.91	-1,031.05	3,021.78	2,836.42	185.36	16.303		
4,900.00	4,721.51	4,705.69	4,705.69	27.21	162.24	81.55	-3,276.91	-1,031.05	3,017.18	2,827.65	189.33	15.919		
5,000.00	4,817.20	4,801.38	4,801.38	27.80	165.58	82.08	-3,276.91	-1,031.05	3,012.86	2,819.09	193.77	15.549		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,887.89	4,887.89	28.38	168.92	82.60	-3,276.91	-1,031.05	3,008.82	2,811.66	197.16	15.261		
5,200.00	5,008.57	4,983.57	4,983.57	28.97	172.26	83.13	-3,276.91	-1,031.05	3,005.05	2,803.95	201.10	14.943		
5,300.00	5,104.26	5,079.26	5,079.26	29.55	175.60	83.65	-3,276.91	-1,031.05	3,001.56	2,796.53	205.03	14.639		
5,400.00	5,199.94	5,174.94	5,174.94	30.14	178.94	84.18	-3,276.91	-1,031.05	2,998.34	2,789.37	208.97	14.348		
5,500.00	5,295.63	5,270.63	5,270.63	30.72	182.28	84.71	-3,276.91	-1,031.05	2,995.41	2,782.50	212.91	14.069		
5,600.00	5,391.32	5,366.32	5,366.32	31.31	185.62	85.24	-3,276.91	-1,031.05	2,992.75	2,775.91	216.84	13.802		
5,700.00	5,487.00	5,462.00	5,462.00	31.90	188.96	85.77	-3,276.91	-1,031.05	2,990.37	2,769.59	220.78	13.545		
5,800.00	5,582.69	5,557.69	5,557.69	32.48	192.30	86.31	-3,276.91	-1,031.05	2,988.28	2,763.56	224.71	13.298		
5,900.00	5,678.38	5,653.38	5,653.38	33.07	195.64	86.84	-3,276.91	-1,031.05	2,986.46	2,757.81	228.65	13.061		
6,000.00	5,774.06	5,749.06	5,749.06	33.65	198.98	87.37	-3,276.91	-1,031.05	2,984.93	2,752.34	232.58	12.834		
6,100.00	5,869.75	5,844.75	5,844.75	34.24	202.32	87.90	-3,276.91	-1,031.05	2,983.67	2,747.15	236.52	12.615		
6,200.00	5,965.44	5,940.44	5,940.44	34.83	205.66	88.44	-3,276.91	-1,031.05	2,982.70	2,742.25	240.45	12.404		
6,300.00	6,061.12	6,036.12	6,036.12	35.41	209.00	88.97	-3,276.91	-1,031.05	2,982.02	2,737.63	244.39	12.202		
6,400.00	6,156.81	6,131.81	6,131.81	36.00	212.34	89.51	-3,276.91	-1,031.05	2,981.61	2,733.29	248.32	12.007		
6,492.58	6,245.40	6,220.40	6,220.40	36.55	215.43	90.00	-3,276.91	-1,031.05	2,981.49	2,729.53	251.96	11.833		
6,500.00	6,252.50	6,227.50	6,227.50	36.59	215.68	90.04	-3,276.91	-1,031.05	2,981.49	2,729.24	252.25	11.819		
6,600.00	6,348.18	6,323.18	6,323.18	37.18	219.02	90.57	-3,276.91	-1,031.05	2,981.66	2,725.47	256.19	11.639		
6,636.04	6,382.67	6,357.67	6,357.67	37.39	220.23	90.77	-3,276.91	-1,031.05	2,981.78	2,724.18	257.60	11.575		
6,650.00	6,396.05	6,371.05	6,371.05	37.47	220.69	87.55	-3,276.91	-1,031.05	2,981.73	2,723.57	258.15	11.550		
6,700.00	6,444.38	6,419.38	6,419.38	37.74	222.38	73.08	-3,276.91	-1,031.05	2,979.64	2,719.53	260.11	11.455		
6,750.00	6,493.07	6,468.07	6,468.07	37.98	224.08	54.33	-3,276.91	-1,031.05	2,974.59	2,712.55	262.05	11.351		
6,800.00	6,541.82	6,516.82	6,516.82	38.18	225.78	34.38	-3,276.91	-1,031.05	2,966.60	2,702.65	263.95	11.239		
6,850.00	6,590.35	6,565.35	6,565.35	38.35	227.47	17.26	-3,276.91	-1,031.05	2,955.69	2,689.87	265.82	11.119		
6,900.00	6,638.34	6,613.34	6,613.34	38.50	229.15	4.30	-3,276.91	-1,031.05	2,941.91	2,674.26	267.65	10.992		
6,950.00	6,685.50	6,660.50	6,660.50	38.64	230.80	-5.29	-3,276.91	-1,031.05	2,925.34	2,655.91	269.43	10.858		
7,000.00	6,731.54	6,706.54	6,706.54	38.77	232.40	-12.68	-3,276.91	-1,031.05	2,906.09	2,634.92	271.17	10.717		
7,050.00	6,776.18	6,751.18	6,751.18	38.90	233.96	-18.72	-3,276.91	-1,031.05	2,884.28	2,611.43	272.86	10.571		
7,100.00	6,819.14	6,805.86	6,794.14	39.03	235.87	-23.98	-3,276.91	-1,031.05	2,860.07	2,585.17	274.90	10.404		
7,150.00	6,860.16	6,835.16	6,835.16	39.16	236.89	-28.84	-3,276.91	-1,031.05	2,833.61	2,557.56	276.06	10.265		
7,200.00	6,898.98	6,873.98	6,873.98	39.31	238.25	-33.54	-3,276.91	-1,031.05	2,805.12	2,527.56	277.56	10.106		
7,250.00	6,935.36	6,910.36	6,910.36	39.47	239.52	-38.25	-3,276.91	-1,031.05	2,774.79	2,495.80	278.99	9.946		
7,300.00	6,969.08	6,944.08	6,944.08	39.65	240.70	-43.08	-3,276.91	-1,031.05	2,742.86	2,462.53	280.33	9.784		
7,350.00	6,999.94	6,974.94	6,974.94	39.85	241.77	-48.09	-3,276.91	-1,031.05	2,709.58	2,427.98	281.60	9.622		
7,400.00	7,027.74	7,002.74	7,002.74	40.08	242.74	-53.30	-3,276.91	-1,031.05	2,675.21	2,392.43	282.78	9.460		
7,450.00	7,052.31	7,027.31	7,027.31	40.34	243.60	-58.68	-3,276.91	-1,031.05	2,640.02	2,356.15	283.87	9.300		
7,500.00	7,073.49	7,048.49	7,048.49	40.63	244.34	-64.17	-3,276.91	-1,031.05	2,604.28	2,319.42	284.86	9.142		
7,550.00	7,091.17	7,066.17	7,066.17	40.95	244.96	-69.65	-3,276.91	-1,031.05	2,568.30	2,282.54	285.76	8.988		
7,600.00	7,105.22	7,080.22	7,080.22	41.31	245.45	-75.00	-3,276.91	-1,031.05	2,532.36	2,245.80	286.56	8.837		
7,650.00	7,115.57	7,109.43	7,090.57	41.71	246.47	-80.10	-3,276.91	-1,031.05	2,496.75	2,208.82	287.93	8.672		
7,700.00	7,122.15	7,102.85	7,097.15	42.15	246.24	-84.84	-3,276.91	-1,031.05	2,461.75	2,173.68	288.07	8.546		
7,750.00	7,124.91	7,100.09	7,099.91	42.62	246.14	-89.12	-3,276.91	-1,031.05	2,427.64	2,139.27	288.37	8.418		
7,759.54	7,125.00	7,100.00	7,100.00	42.72	246.14	-89.88	-3,276.91	-1,031.05	2,421.26	2,132.81	288.45	8.394		
7,800.00	7,125.10	7,100.10	7,100.10	43.13	246.14	-89.88	-3,276.91	-1,031.05	2,394.47	2,105.66	288.81	8.291		
7,900.00	7,125.34	7,100.34	7,100.34	44.28	246.15	-89.89	-3,276.91	-1,031.05	2,329.95	2,040.14	289.81	8.040		
8,000.00	7,125.58	7,100.58	7,100.58	45.61	246.16	-89.90	-3,276.91	-1,031.05	2,268.00	1,977.02	290.98	7.794		
8,100.00	7,125.82	7,100.82	7,100.82	47.10	246.17	-89.90	-3,276.91	-1,031.05	2,208.84	1,916.52	292.32	7.556		
8,200.00	7,126.06	7,101.06	7,101.06	48.72	246.17	-89.91	-3,276.91	-1,031.05	2,152.71	1,858.86	293.85	7.326		
8,300.00	7,126.30	7,101.30	7,101.30	50.48	246.18	-89.92	-3,276.91	-1,031.05	2,099.84	1,804.29	295.55	7.105		
8,400.00	7,126.54	7,101.54	7,101.54	52.34	246.19	-89.93	-3,276.91	-1,031.05	2,050.49	1,753.07	297.42	6.894		
8,500.00	7,126.78	7,101.78	7,101.78	54.30	246.20	-89.93	-3,276.91	-1,031.05	2,004.91	1,705.46	299.45	6.695		
8,600.00	7,127.02	7,102.02	7,102.02	56.35	246.21	-89.94	-3,276.91	-1,031.05	1,963.37	1,661.75	301.62	6.509		
8,700.00	7,127.26	7,102.26	7,102.26	58.47	246.22	-89.95	-3,276.91	-1,031.05	1,926.14	1,622.22	303.92	6.338		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,127.50	7,102.50	7,102.50	60.66	246.23	-89.96	-3,276.91	-1,031.05	1,893.45	1,587.14	306.31	6.181		
8,900.00	7,127.74	7,102.74	7,102.74	62.90	246.23	-89.96	-3,276.91	-1,031.05	1,865.57	1,556.80	308.77	6.042		
9,000.00	7,127.98	7,102.98	7,102.98	65.19	246.24	-89.97	-3,276.91	-1,031.05	1,842.69	1,531.44	311.25	5.920		
9,100.00	7,128.22	7,103.22	7,103.22	67.53	246.25	-89.98	-3,276.91	-1,031.05	1,825.01	1,511.28	313.74	5.817		
9,200.00	7,128.46	7,103.46	7,103.46	69.92	246.26	-89.99	-3,276.91	-1,031.05	1,812.69	1,496.51	316.17	5.733		
9,300.00	7,128.70	7,103.70	7,103.70	72.33	246.27	-89.99	-3,276.91	-1,031.05	1,805.82	1,487.29	318.53	5.669		
9,374.17	7,128.87	7,103.87	7,103.87	74.15	246.27	-90.00	-3,276.91	-1,031.05	1,804.30	1,484.09	320.21	5.635 CC		
9,400.00	7,128.94	7,103.94	7,103.94	74.78	246.28	-90.00	-3,276.91	-1,031.05	1,804.49	1,483.71	320.78	5.625 ES		
9,500.00	7,129.18	7,104.18	7,104.18	77.26	246.28	-90.01	-3,276.91	-1,031.05	1,808.68	1,485.80	322.88	5.602		
9,600.00	7,129.42	7,104.42	7,104.42	79.76	246.29	-90.02	-3,276.91	-1,031.05	1,818.38	1,493.56	324.82	5.598 SF		
9,700.00	7,129.66	7,104.66	7,104.66	82.29	246.30	-90.02	-3,276.91	-1,031.05	1,833.49	1,506.91	326.57	5.614		
9,800.00	7,129.90	7,104.90	7,104.90	84.84	246.31	-90.03	-3,276.91	-1,031.05	1,853.87	1,525.74	328.13	5.650		
9,900.00	7,130.14	7,105.14	7,105.14	87.41	246.32	-90.04	-3,276.91	-1,031.05	1,879.36	1,549.87	329.49	5.704		
10,000.00	7,130.38	7,105.38	7,105.38	90.00	246.33	-90.05	-3,276.91	-1,031.05	1,909.76	1,579.11	330.65	5.776		
10,100.00	7,130.62	7,105.62	7,105.62	92.60	246.33	-90.06	-3,276.91	-1,031.05	1,944.82	1,613.20	331.62	5.865		
10,200.00	7,130.86	7,105.86	7,105.86	95.22	246.34	-90.06	-3,276.91	-1,031.05	1,984.31	1,651.91	332.40	5.970		
10,300.00	7,131.09	7,106.09	7,106.09	97.85	246.35	-90.07	-3,276.91	-1,031.05	2,027.97	1,694.95	333.02	6.090		
10,400.00	7,131.33	7,106.33	7,106.33	100.50	246.36	-90.08	-3,276.91	-1,031.05	2,075.53	1,742.05	333.48	6.224		
10,500.00	7,131.57	7,106.57	7,106.57	103.16	246.37	-90.09	-3,276.91	-1,031.05	2,126.73	1,792.93	333.81	6.371		
10,600.00	7,131.81	7,106.81	7,106.81	105.82	246.38	-90.09	-3,276.91	-1,031.05	2,181.32	1,847.31	334.01	6.531		
10,700.00	7,132.05	7,107.05	7,107.05	108.50	246.38	-90.10	-3,276.91	-1,031.05	2,239.05	1,904.94	334.11	6.702		
10,800.00	7,132.29	7,107.29	7,107.29	111.19	246.39	-90.11	-3,276.91	-1,031.05	2,299.67	1,965.56	334.11	6.883		
10,900.00	7,132.53	7,107.53	7,107.53	113.88	246.40	-90.12	-3,276.91	-1,031.05	2,362.98	2,028.94	334.04	7.074		
11,000.00	7,132.77	7,107.77	7,107.77	116.58	246.41	-90.12	-3,276.91	-1,031.05	2,428.75	2,094.85	333.90	7.274		
11,100.00	7,133.01	7,108.01	7,108.01	119.29	246.42	-90.13	-3,276.91	-1,031.05	2,496.80	2,163.09	333.71	7.482		
11,200.00	7,133.25	7,108.25	7,108.25	122.01	246.43	-90.14	-3,276.91	-1,031.05	2,566.93	2,233.46	333.47	7.698		
11,300.00	7,133.49	7,108.49	7,108.49	124.73	246.43	-90.15	-3,276.91	-1,031.05	2,639.00	2,305.80	333.20	7.920		
11,400.00	7,133.73	7,108.73	7,108.73	127.46	246.44	-90.15	-3,276.91	-1,031.05	2,712.84	2,379.93	332.90	8.149		
11,500.00	7,133.97	7,108.97	7,108.97	130.19	246.45	-90.16	-3,276.91	-1,031.05	2,788.31	2,455.72	332.58	8.384		
11,600.00	7,134.21	7,109.21	7,109.21	132.93	246.46	-90.17	-3,276.91	-1,031.05	2,865.28	2,533.03	332.24	8.624		
11,700.00	7,134.45	7,109.45	7,109.45	135.68	246.47	-90.18	-3,276.91	-1,031.05	2,943.63	2,611.74	331.90	8.869		
11,800.00	7,134.69	7,109.69	7,109.69	138.43	246.48	-90.18	-3,276.91	-1,031.05	3,023.27	2,691.73	331.54	9.119		
11,900.00	7,134.93	7,109.93	7,109.93	141.18	246.48	-90.19	-3,276.91	-1,031.05	3,104.08	2,772.90	331.18	9.373		
12,000.00	7,135.17	7,110.17	7,110.17	143.94	246.49	-90.20	-3,276.91	-1,031.05	3,185.98	2,855.16	330.82	9.631		
12,100.00	7,135.41	7,110.41	7,110.41	146.70	246.50	-90.21	-3,276.91	-1,031.05	3,268.89	2,938.43	330.46	9.892		
12,200.00	7,135.65	7,110.65	7,110.65	149.46	246.51	-90.22	-3,276.91	-1,031.05	3,352.73	3,022.63	330.10	10.157		
12,300.00	7,135.89	7,110.89	7,110.89	152.23	246.52	-90.22	-3,276.91	-1,031.05	3,437.43	3,107.69	329.74	10.425		
12,400.00	7,136.13	7,111.13	7,111.13	155.00	246.53	-90.23	-3,276.91	-1,031.05	3,522.94	3,193.55	329.39	10.695		
12,500.00	7,136.37	7,111.37	7,111.37	157.78	246.53	-90.24	-3,276.91	-1,031.05	3,609.19	3,280.15	329.05	10.969		
12,600.00	7,136.61	7,111.61	7,111.61	160.55	246.54	-90.25	-3,276.91	-1,031.05	3,696.14	3,367.43	328.71	11.244		
12,700.00	7,136.85	7,111.85	7,111.85	163.33	246.55	-90.25	-3,276.91	-1,031.05	3,783.73	3,455.35	328.38	11.522		
12,800.00	7,137.09	7,112.09	7,112.09	166.12	246.56	-90.26	-3,276.91	-1,031.05	3,871.92	3,543.86	328.06	11.803		
12,900.00	7,137.33	7,112.33	7,112.33	168.90	246.57	-90.27	-3,276.91	-1,031.05	3,960.67	3,632.93	327.74	12.085		
13,000.00	7,137.57	7,112.57	7,112.57	171.69	246.58	-90.28	-3,276.91	-1,031.05	4,049.95	3,722.51	327.44	12.369		
13,100.00	7,137.81	7,112.81	7,112.81	174.48	246.58	-90.28	-3,276.91	-1,031.05	4,139.72	3,812.58	327.14	12.654		
13,200.00	7,138.05	7,113.05	7,113.05	177.27	246.59	-90.29	-3,276.91	-1,031.05	4,229.94	3,903.09	326.85	12.941		
13,300.00	7,138.29	7,113.29	7,113.29	180.07	246.60	-90.30	-3,276.91	-1,031.05	4,320.60	3,994.03	326.57	13.230		
13,400.00	7,138.53	7,113.53	7,113.53	182.86	246.61	-90.31	-3,276.91	-1,031.05	4,411.66	4,085.36	326.30	13.520		
13,500.00	7,138.77	7,113.77	7,113.77	185.66	246.62	-90.31	-3,276.91	-1,031.05	4,503.10	4,177.06	326.04	13.812		
13,600.00	7,139.01	7,114.01	7,114.01	188.46	246.63	-90.32	-3,276.91	-1,031.05	4,594.90	4,269.11	325.78	14.104		
13,700.00	7,139.25	7,114.25	7,114.25	191.26	246.64	-90.33	-3,276.91	-1,031.05	4,687.03	4,361.49	325.54	14.398		
13,800.00	7,139.49	7,114.49	7,114.49	194.06	246.64	-90.34	-3,276.91	-1,031.05	4,779.48	4,454.18	325.30	14.693		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,139.73	7,114.73	7,114.73	196.87	246.65	-90.34	-3,276.91	-1,031.05	4,872.22	4,547.16	325.07	14.988		
14,000.00	7,139.97	7,114.97	7,114.97	199.68	246.66	-90.35	-3,276.91	-1,031.05	4,965.25	4,640.41	324.84	15.285		
14,100.00	7,140.21	7,115.21	7,115.21	202.48	246.67	-90.36	-3,276.91	-1,031.05	5,058.55	4,733.92	324.63	15.583		
14,200.00	7,140.45	7,115.45	7,115.45	205.29	246.68	-90.37	-3,276.91	-1,031.05	5,152.09	4,827.67	324.42	15.881		
14,300.00	7,140.69	7,115.69	7,115.69	208.10	246.69	-90.38	-3,276.91	-1,031.05	5,245.87	4,921.65	324.22	16.180		
14,400.00	7,140.93	7,115.93	7,115.93	210.91	246.69	-90.38	-3,276.91	-1,031.05	5,339.88	5,015.86	324.03	16.480		
14,500.00	7,141.17	7,116.17	7,116.17	213.73	246.70	-90.39	-3,276.91	-1,031.05	5,434.11	5,110.27	323.84	16.780		
14,600.00	7,141.41	7,116.41	7,116.41	216.54	246.71	-90.40	-3,276.91	-1,031.05	5,528.53	5,204.87	323.66	17.081		
14,700.00	7,141.65	7,116.65	7,116.65	219.36	246.72	-90.41	-3,276.91	-1,031.05	5,623.15	5,299.67	323.49	17.383		
14,800.00	7,141.89	7,116.89	7,116.89	222.17	246.73	-90.41	-3,276.91	-1,031.05	5,717.95	5,394.64	323.32	17.685		
14,900.00	7,142.13	7,117.13	7,117.13	224.99	246.74	-90.42	-3,276.91	-1,031.05	5,812.93	5,489.78	323.16	17.988		
15,000.00	7,142.36	7,117.36	7,117.36	227.81	246.74	-90.43	-3,276.91	-1,031.05	5,908.07	5,585.07	323.00	18.291		
15,100.00	7,142.60	7,117.60	7,117.60	230.63	246.75	-90.44	-3,276.91	-1,031.05	6,003.37	5,680.52	322.85	18.595		
15,200.00	7,142.84	7,117.84	7,117.84	233.45	246.76	-90.44	-3,276.91	-1,031.05	6,098.82	5,776.12	322.71	18.899		
15,300.00	7,143.08	7,118.08	7,118.08	236.27	246.77	-90.45	-3,276.91	-1,031.05	6,194.42	5,871.85	322.57	19.204		
15,400.00	7,143.32	7,118.32	7,118.32	239.09	246.78	-90.46	-3,276.91	-1,031.05	6,290.15	5,967.72	322.43	19.508		
15,500.00	7,143.56	7,118.56	7,118.56	241.91	246.79	-90.47	-3,276.91	-1,031.05	6,386.01	6,063.71	322.30	19.814		
15,600.00	7,143.80	7,118.80	7,118.80	244.73	246.79	-90.47	-3,276.91	-1,031.05	6,482.00	6,159.82	322.18	20.119		
15,700.00	7,144.04	7,119.04	7,119.04	247.56	246.80	-90.48	-3,276.91	-1,031.05	6,578.10	6,256.04	322.06	20.425		
15,800.00	7,144.28	7,119.28	7,119.28	250.38	246.81	-90.49	-3,276.91	-1,031.05	6,674.32	6,352.38	321.95	20.731		
15,900.00	7,144.52	7,119.52	7,119.52	253.21	246.82	-90.50	-3,276.91	-1,031.05	6,770.65	6,448.82	321.84	21.038		
16,000.00	7,144.76	7,119.76	7,119.76	256.03	246.83	-90.50	-3,276.91	-1,031.05	6,867.09	6,545.36	321.73	21.344		
16,100.00	7,145.00	7,120.00	7,120.00	258.86	246.84	-90.51	-3,276.91	-1,031.05	6,963.63	6,642.00	321.63	21.651		
16,200.00	7,145.24	7,120.24	7,120.24	261.69	246.84	-90.52	-3,276.91	-1,031.05	7,060.26	6,738.73	321.53	21.958		
16,300.00	7,145.48	7,120.48	7,120.48	264.52	246.85	-90.53	-3,276.91	-1,031.05	7,156.98	6,835.54	321.44	22.265		
16,400.00	7,145.72	7,120.72	7,120.72	267.35	246.86	-90.53	-3,276.91	-1,031.05	7,253.80	6,932.45	321.35	22.573		
16,500.00	7,145.96	7,120.96	7,120.96	270.18	246.87	-90.54	-3,276.91	-1,031.05	7,350.70	7,029.43	321.26	22.881		
16,600.00	7,146.20	7,121.20	7,121.20	273.01	246.88	-90.55	-3,276.91	-1,031.05	7,447.68	7,126.49	321.18	23.188		
16,700.00	7,146.44	7,121.44	7,121.44	275.84	246.89	-90.56	-3,276.91	-1,031.05	7,544.74	7,223.63	321.10	23.496		
16,800.00	7,146.68	7,121.68	7,121.68	278.67	246.89	-90.57	-3,276.91	-1,031.05	7,641.87	7,320.84	321.03	23.804		
16,900.00	7,146.92	7,121.92	7,121.92	281.50	246.90	-90.57	-3,276.91	-1,031.05	7,739.08	7,418.12	320.96	24.112		
17,000.00	7,147.16	7,122.16	7,122.16	284.33	246.91	-90.58	-3,276.91	-1,031.05	7,836.36	7,515.47	320.89	24.421		
17,100.00	7,147.40	7,122.40	7,122.40	287.16	246.92	-90.59	-3,276.91	-1,031.05	7,933.70	7,612.88	320.83	24.729		
17,200.00	7,147.64	7,122.64	7,122.64	290.00	246.93	-90.60	-3,276.91	-1,031.05	8,031.12	7,710.35	320.77	25.037		
17,300.00	7,147.88	7,122.88	7,122.88	292.83	246.94	-90.60	-3,276.91	-1,031.05	8,128.59	7,807.88	320.71	25.346		
17,400.00	7,148.12	7,123.12	7,123.12	295.66	246.94	-90.61	-3,276.91	-1,031.05	8,226.13	7,905.47	320.65	25.654		
17,500.00	7,148.36	7,123.36	7,123.36	298.50	246.95	-90.62	-3,276.91	-1,031.05	8,323.72	8,003.12	320.60	25.963		
17,600.00	7,148.60	7,123.60	7,123.60	301.33	246.96	-90.63	-3,276.91	-1,031.05	8,421.37	8,100.82	320.55	26.272		
17,700.00	7,148.84	7,123.84	7,123.84	304.17	246.97	-90.63	-3,276.91	-1,031.05	8,519.07	8,198.57	320.50	26.580		
17,800.00	7,149.08	7,124.08	7,124.08	307.00	246.98	-90.64	-3,276.91	-1,031.05	8,616.83	8,296.37	320.46	26.889		
17,900.00	7,149.32	7,124.32	7,124.32	309.84	246.99	-90.65	-3,276.91	-1,031.05	8,714.64	8,394.22	320.42	27.198		
18,000.00	7,149.56	7,124.56	7,124.56	312.68	247.00	-90.66	-3,276.91	-1,031.05	8,812.50	8,492.12	320.38	27.506		
18,100.00	7,149.80	7,124.80	7,124.80	315.51	247.00	-90.66	-3,276.91	-1,031.05	8,910.40	8,590.06	320.34	27.815		
18,200.00	7,150.04	7,125.04	7,125.04	318.35	247.01	-90.67	-3,276.91	-1,031.05	9,008.35	8,688.04	320.31	28.124		
18,300.00	7,150.28	7,125.28	7,125.28	321.19	247.02	-90.68	-3,276.91	-1,031.05	9,106.35	8,786.07	320.28	28.432		
18,400.00	7,150.52	7,125.52	7,125.52	324.03	247.03	-90.69	-3,276.91	-1,031.05	9,204.39	8,884.13	320.25	28.741		
18,500.00	7,150.76	7,125.76	7,125.76	326.86	247.04	-90.69	-3,276.91	-1,031.05	9,302.47	8,982.24	320.22	29.050		
18,600.00	7,151.00	7,126.00	7,126.00	329.70	247.05	-90.70	-3,276.91	-1,031.05	9,400.59	9,080.39	320.20	29.358		
18,700.00	7,151.24	7,126.24	7,126.24	332.54	247.05	-90.71	-3,276.91	-1,031.05	9,498.75	9,178.57	320.18	29.667		
18,800.00	7,151.48	7,126.48	7,126.48	335.38	247.06	-90.72	-3,276.91	-1,031.05	9,596.94	9,276.79	320.16	29.976		
18,900.00	7,151.72	7,126.72	7,126.72	338.22	247.07	-90.73	-3,276.91	-1,031.05	9,695.18	9,375.04	320.14	30.284		
19,000.00	7,151.96	7,126.96	7,126.96	341.06	247.08	-90.73	-3,276.91	-1,031.05	9,793.45	9,473.32	320.13	30.593		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design	Falken 9-11 PAD - POP I #14-17 - OH - OH											Offset Site Error:	0.00 ft
Survey Program:	100-2" Cone@2.448 Sigma											Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
19,018.30	7,152.00	7,127.00	7,127.00	341.58	247.08	-90.73	-3,276.91	-1,031.05	9,811.44	9,491.31	320.12	30.649	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-87.80	321.63	-8,360.09	8,366.28					
100.00	100.00	104.00	96.00	3.28	3.78	-87.80	321.63	-8,360.09	8,366.28	8,359.21	7.07	1,183.712		
200.00	200.00	204.00	196.00	3.34	6.30	-87.80	321.63	-8,360.09	8,366.28	8,356.64	9.63	868.344		
300.00	299.98	304.02	295.98	3.44	9.46	134.94	321.63	-8,360.09	8,367.51	8,354.62	12.90	648.874		
400.00	399.84	404.16	395.84	3.59	12.79	134.92	321.63	-8,360.09	8,371.21	8,354.83	16.38	510.937		
500.00	499.45	504.55	495.45	3.80	16.20	134.87	321.63	-8,360.09	8,377.37	8,357.38	20.00	418.933		
600.00	598.70	605.30	594.70	4.04	19.66	134.81	321.63	-8,360.09	8,386.00	8,362.30	23.70	353.861		
700.00	697.47	706.53	693.47	4.32	23.15	134.72	321.63	-8,360.09	8,397.08	8,369.61	27.47	305.633		
800.00	795.62	808.38	791.62	4.65	26.68	134.62	321.63	-8,360.09	8,410.63	8,379.31	31.32	268.555		
900.00	893.06	889.06	889.06	5.01	29.47	134.50	321.63	-8,360.09	8,426.62	8,392.15	34.47	244.477		
1,000.00	989.64	985.64	985.64	5.42	32.83	134.35	321.63	-8,360.09	8,445.05	8,406.85	38.21	221.045		
1,044.50	1,032.32	1,028.32	1,028.32	5.61	34.31	134.28	321.63	-8,360.09	8,454.04	8,414.17	39.87	212.039		
1,100.00	1,085.43	1,081.43	1,081.43	5.86	36.16	134.36	321.63	-8,360.09	8,465.56	8,423.61	41.95	201.822		
1,200.00	1,181.11	1,177.11	1,177.11	6.33	39.48	134.50	321.63	-8,360.09	8,486.35	8,440.65	45.70	185.693		
1,300.00	1,276.80	1,272.80	1,272.80	6.81	42.81	134.63	321.63	-8,360.09	8,507.19	8,457.71	49.47	171.949		
1,400.00	1,372.49	1,368.49	1,368.49	7.31	46.15	134.77	321.63	-8,360.09	8,528.07	8,474.81	53.26	160.110		
1,500.00	1,468.17	1,464.17	1,464.17	7.83	49.48	134.90	321.63	-8,360.09	8,549.01	8,491.94	57.06	149.812		
1,600.00	1,563.86	1,559.86	1,559.86	8.35	52.81	135.04	321.63	-8,360.09	8,569.99	8,509.11	60.88	140.778		
1,700.00	1,659.55	1,655.55	1,655.55	8.88	56.15	135.17	321.63	-8,360.09	8,591.02	8,526.32	64.69	132.793		
1,800.00	1,755.23	1,751.23	1,751.23	9.42	59.48	135.31	321.63	-8,360.09	8,612.09	8,543.57	68.52	125.686		
1,900.00	1,850.92	1,846.92	1,846.92	9.97	62.82	135.44	321.63	-8,360.09	8,633.21	8,560.86	72.35	119.323		
2,000.00	1,946.61	1,942.61	1,942.61	10.52	66.15	135.57	321.63	-8,360.09	8,654.38	8,578.19	76.19	113.592		
2,100.00	2,042.29	2,038.29	2,038.29	11.07	69.49	135.70	321.63	-8,360.09	8,675.60	8,595.57	80.03	108.407		
2,200.00	2,137.98	2,133.98	2,133.98	11.63	72.83	135.83	321.63	-8,360.09	8,696.85	8,612.98	83.87	103.693		
2,300.00	2,233.67	2,229.67	2,229.67	12.19	76.16	135.96	321.63	-8,360.09	8,718.16	8,630.44	87.72	99.389		
2,400.00	2,329.35	2,325.35	2,325.35	12.76	79.50	136.09	321.63	-8,360.09	8,739.51	8,647.94	91.57	95.444		
2,500.00	2,425.04	2,421.04	2,421.04	13.32	82.84	136.22	321.63	-8,360.09	8,760.90	8,665.48	95.42	91.817		
2,600.00	2,520.72	2,516.72	2,516.72	13.89	86.18	136.35	321.63	-8,360.09	8,782.34	8,683.07	99.27	88.469		
2,700.00	2,616.41	2,612.41	2,612.41	14.46	89.51	136.48	321.63	-8,360.09	8,803.82	8,700.69	103.12	85.371		
2,800.00	2,712.10	2,708.10	2,708.10	15.03	92.85	136.61	321.63	-8,360.09	8,825.34	8,718.36	106.98	82.496		
2,900.00	2,807.78	2,803.78	2,803.78	15.60	96.19	136.73	321.63	-8,360.09	8,846.91	8,736.07	110.84	79.820		
3,000.00	2,903.47	2,900.53	2,899.47	16.18	99.57	136.86	321.63	-8,360.09	8,868.52	8,753.79	114.73	77.299		
3,100.00	2,999.16	3,004.84	2,995.16	16.75	103.21	136.98	321.63	-8,360.09	8,890.17	8,771.28	118.89	74.777		
3,200.00	3,094.84	3,109.16	3,090.84	17.33	106.85	137.11	321.63	-8,360.09	8,911.86	8,788.81	123.05	72.425		
3,300.00	3,190.53	3,186.53	3,186.53	17.90	109.55	137.23	321.63	-8,360.09	8,933.60	8,807.33	126.27	70.750		
3,400.00	3,286.22	3,282.22	3,282.22	18.48	112.88	137.36	321.63	-8,360.09	8,955.38	8,825.24	130.13	68.818		
3,500.00	3,381.90	3,377.90	3,377.90	19.06	116.22	137.48	321.63	-8,360.09	8,977.19	8,843.20	133.99	66.998		
3,600.00	3,477.59	3,473.59	3,473.59	19.64	119.56	137.60	321.63	-8,360.09	8,999.05	8,861.20	137.85	65.280		
3,700.00	3,573.28	3,569.28	3,569.28	20.22	122.90	137.73	321.63	-8,360.09	9,020.95	8,879.24	141.71	63.656		
3,800.00	3,668.96	3,664.96	3,664.96	20.80	126.24	137.85	321.63	-8,360.09	9,042.89	8,897.32	145.58	62.118		
3,900.00	3,764.65	3,760.65	3,760.65	21.38	129.58	137.97	321.63	-8,360.09	9,064.87	8,915.44	149.44	60.660		
4,000.00	3,860.33	3,856.33	3,856.33	21.96	132.92	138.09	321.63	-8,360.09	9,086.89	8,933.60	153.30	59.276		
4,100.00	3,956.02	3,952.02	3,952.02	22.54	136.26	138.21	321.63	-8,360.09	9,108.95	8,951.79	157.16	57.959		
4,200.00	4,051.71	4,047.71	4,047.71	23.13	139.60	138.33	321.63	-8,360.09	9,131.05	8,970.03	161.02	56.706		
4,300.00	4,147.39	4,143.39	4,143.39	23.71	142.94	138.45	321.63	-8,360.09	9,153.19	8,988.30	164.89	55.512		
4,400.00	4,243.08	4,239.08	4,239.08	24.29	146.28	138.56	321.63	-8,360.09	9,175.37	9,006.62	168.75	54.373		
4,500.00	4,338.77	4,334.77	4,334.77	24.88	149.62	138.68	321.63	-8,360.09	9,197.58	9,024.97	172.61	53.285		
4,600.00	4,434.45	4,430.45	4,430.45	25.46	152.96	138.80	321.63	-8,360.09	9,219.83	9,043.36	176.47	52.245		
4,700.00	4,530.14	4,526.14	4,526.14	26.04	156.30	138.91	321.63	-8,360.09	9,242.12	9,061.79	180.33	51.250		
4,800.00	4,625.83	4,621.83	4,621.83	26.63	159.64	139.03	321.63	-8,360.09	9,264.45	9,080.25	184.20	50.297		
4,900.00	4,721.51	4,717.51	4,717.51	27.21	162.98	139.15	321.63	-8,360.09	9,286.82	9,098.76	188.06	49.383		
5,000.00	4,817.20	4,813.20	4,813.20	27.80	166.32	139.26	321.63	-8,360.09	9,309.22	9,117.30	191.92	48.506		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,908.89	4,908.89	28.38	169.66	139.38	321.63	-8,360.09	9,331.66	9,135.87	195.78	47.663		
5,200.00	5,008.57	5,004.57	5,004.57	28.97	173.00	139.49	321.63	-8,360.09	9,354.13	9,154.49	199.64	46.854		
5,300.00	5,104.26	5,100.26	5,100.26	29.55	176.34	139.60	321.63	-8,360.09	9,376.64	9,173.14	203.51	46.076		
5,400.00	5,199.94	5,204.06	5,195.94	30.14	179.96	139.71	321.63	-8,360.09	9,399.19	9,191.54	207.65	45.265		
5,500.00	5,295.63	5,308.37	5,291.63	30.72	183.60	139.83	321.63	-8,360.09	9,421.77	9,209.96	211.81	44.482		
5,600.00	5,391.32	5,387.32	5,387.32	31.31	186.35	139.94	321.63	-8,360.09	9,444.39	9,229.30	215.09	43.909		
5,700.00	5,487.00	5,483.00	5,483.00	31.90	189.69	140.05	321.63	-8,360.09	9,467.04	9,248.09	218.95	43.238		
5,800.00	5,582.69	5,578.69	5,578.69	32.48	193.03	140.16	321.63	-8,360.09	9,489.73	9,266.92	222.81	42.591		
5,900.00	5,678.38	5,674.38	5,674.38	33.07	196.37	140.27	321.63	-8,360.09	9,512.45	9,285.78	226.67	41.966		
6,000.00	5,774.06	5,770.06	5,770.06	33.65	199.71	140.38	321.63	-8,360.09	9,535.21	9,304.68	230.53	41.362		
6,100.00	5,869.75	5,865.75	5,865.75	34.24	203.05	140.49	321.63	-8,360.09	9,558.00	9,323.61	234.39	40.778		
6,200.00	5,965.44	5,961.44	5,961.44	34.83	206.39	140.60	321.63	-8,360.09	9,580.83	9,342.57	238.25	40.213		
6,300.00	6,061.12	6,057.12	6,057.12	35.41	209.73	140.71	321.63	-8,360.09	9,603.69	9,361.57	242.11	39.666		
6,400.00	6,156.81	6,152.81	6,152.81	36.00	213.07	140.81	321.63	-8,360.09	9,626.58	9,380.60	245.97	39.137		
6,500.00	6,252.50	6,248.50	6,248.50	36.59	216.41	140.92	321.63	-8,360.09	9,649.50	9,399.67	249.83	38.624		
6,600.00	6,348.18	6,344.18	6,344.18	37.18	219.75	141.03	321.63	-8,360.09	9,672.46	9,418.77	253.69	38.127		
6,636.04	6,382.67	6,378.67	6,378.67	37.39	220.96	141.07	321.63	-8,360.09	9,680.74	9,425.66	255.08	37.951		
6,650.00	6,396.05	6,407.95	6,392.05	37.47	221.98	137.75	321.63	-8,360.09	9,683.81	9,427.63	256.18	37.801		
6,700.00	6,444.38	6,440.38	6,440.38	37.74	223.11	123.08	321.63	-8,360.09	9,692.35	9,434.79	257.56	37.632		
6,750.00	6,493.07	6,489.07	6,489.07	37.98	224.81	104.42	321.63	-8,360.09	9,697.08	9,437.59	259.49	37.369		
6,800.00	6,541.82	6,537.82	6,537.82	38.18	226.51	84.85	321.63	-8,360.09	9,697.96	9,436.55	261.41	37.099		
6,850.00	6,590.35	6,586.35	6,586.35	38.35	228.21	68.40	321.63	-8,360.09	9,694.98	9,431.70	263.28	36.824		
6,900.00	6,638.34	6,634.34	6,634.34	38.50	229.88	56.43	321.63	-8,360.09	9,688.18	9,423.07	265.11	36.544		
6,950.00	6,685.50	6,681.50	6,681.50	38.64	231.53	48.15	321.63	-8,360.09	9,677.59	9,410.71	266.88	36.262		
7,000.00	6,731.54	6,727.54	6,727.54	38.77	233.14	42.44	321.63	-8,360.09	9,663.28	9,394.70	268.58	35.979		
7,050.00	6,776.18	6,772.18	6,772.18	38.90	234.69	38.49	321.63	-8,360.09	9,645.35	9,375.14	270.21	35.696		
7,100.00	6,819.14	6,815.14	6,815.14	39.03	236.19	35.74	321.63	-8,360.09	9,623.89	9,352.13	271.76	35.413		
7,150.00	6,860.16	6,856.16	6,856.16	39.16	237.63	33.89	321.63	-8,360.09	9,599.05	9,325.83	273.22	35.133		
7,200.00	6,898.98	6,905.02	6,894.98	39.31	239.33	32.73	321.63	-8,360.09	9,570.98	9,296.05	274.94	34.812		
7,250.00	6,935.36	6,931.36	6,931.36	39.47	240.25	32.15	321.63	-8,360.09	9,539.86	9,264.01	275.85	34.583		
7,300.00	6,969.08	6,965.08	6,965.08	39.65	241.43	32.10	321.63	-8,360.09	9,505.87	9,228.86	277.01	34.316		
7,350.00	6,999.94	7,004.06	6,995.94	39.85	242.79	32.57	321.63	-8,360.09	9,469.23	9,190.88	278.35	34.019		
7,400.00	7,027.74	7,023.74	7,023.74	40.08	243.48	33.62	321.63	-8,360.09	9,430.16	9,151.15	279.00	33.799		
7,450.00	7,052.31	7,048.31	7,048.31	40.34	244.33	35.34	321.63	-8,360.09	9,388.89	9,109.07	279.83	33.552		
7,500.00	7,073.49	7,069.49	7,069.49	40.63	245.07	37.94	321.63	-8,360.09	9,345.70	9,065.16	280.53	33.314		
7,550.00	7,091.17	7,087.17	7,087.17	40.95	245.69	41.75	321.63	-8,360.09	9,300.83	9,019.71	281.12	33.085		
7,600.00	7,105.22	7,101.22	7,101.22	41.31	246.18	47.31	321.63	-8,360.09	9,254.56	8,972.98	281.58	32.866		
7,650.00	7,115.57	7,111.57	7,111.57	41.71	246.54	55.55	321.63	-8,360.09	9,207.18	8,925.26	281.92	32.659		
7,700.00	7,122.15	7,118.15	7,118.15	42.15	246.77	67.86	321.63	-8,360.09	9,158.98	8,876.84	282.14	32.462		
7,750.00	7,124.91	7,120.91	7,120.91	42.62	246.87	85.43	321.63	-8,360.09	9,110.25	8,828.01	282.24	32.279		
7,759.54	7,125.00	7,121.00	7,121.00	42.72	246.87	89.34	321.63	-8,360.09	9,100.92	8,818.67	282.24	32.245		
7,800.00	7,125.10	7,121.10	7,121.10	43.13	246.87	89.35	321.63	-8,360.09	9,061.32	8,779.07	282.25	32.103		
7,900.00	7,125.34	7,121.34	7,121.34	44.28	246.88	89.36	321.63	-8,360.09	8,963.49	8,681.20	282.29	31.753		
8,000.00	7,125.58	7,121.58	7,121.58	45.61	246.89	89.36	321.63	-8,360.09	8,865.71	8,583.37	282.34	31.401		
8,100.00	7,125.82	7,121.82	7,121.82	47.10	246.90	89.37	321.63	-8,360.09	8,767.98	8,485.58	282.40	31.048		
8,200.00	7,126.06	7,122.06	7,122.06	48.72	246.91	89.38	321.63	-8,360.09	8,670.30	8,387.83	282.47	30.694		
8,300.00	7,126.30	7,122.30	7,122.30	50.48	246.92	89.38	321.63	-8,360.09	8,572.67	8,290.11	282.57	30.339		
8,400.00	7,126.54	7,122.54	7,122.54	52.34	246.92	89.39	321.63	-8,360.09	8,475.10	8,192.43	282.68	29.982		
8,500.00	7,126.78	7,122.78	7,122.78	54.30	246.93	89.40	321.63	-8,360.09	8,377.59	8,094.79	282.80	29.623		
8,600.00	7,127.02	7,123.02	7,123.02	56.35	246.94	89.41	321.63	-8,360.09	8,280.14	7,997.19	282.95	29.264		
8,700.00	7,127.26	7,123.26	7,123.26	58.47	246.95	89.41	321.63	-8,360.09	8,182.75	7,899.63	283.12	28.902		
8,800.00	7,127.50	7,123.50	7,123.50	60.66	246.96	89.42	321.63	-8,360.09	8,085.42	7,802.12	283.30	28.540		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,123.74	7,123.74	62.90	246.97	89.43	321.63	-8,360.09	7,988.16	7,704.65	283.51	28.176		
9,000.00	7,127.98	7,123.98	7,123.98	65.19	246.97	89.44	321.63	-8,360.09	7,890.96	7,607.22	283.74	27.810		
9,100.00	7,128.22	7,124.22	7,124.22	67.53	246.98	89.44	321.63	-8,360.09	7,793.84	7,509.84	284.00	27.444		
9,200.00	7,128.46	7,124.46	7,124.46	69.92	246.99	89.45	321.63	-8,360.09	7,696.79	7,412.51	284.27	27.075		
9,300.00	7,128.70	7,124.70	7,124.70	72.33	247.00	89.46	321.63	-8,360.09	7,599.82	7,315.24	284.58	26.705		
9,400.00	7,128.94	7,124.94	7,124.94	74.78	247.01	89.47	321.63	-8,360.09	7,502.92	7,218.01	284.91	26.334		
9,500.00	7,129.18	7,125.18	7,125.18	77.26	247.02	89.47	321.63	-8,360.09	7,406.11	7,120.84	285.27	25.961		
9,600.00	7,129.42	7,125.42	7,125.42	79.76	247.03	89.48	321.63	-8,360.09	7,309.39	7,023.72	285.67	25.587		
9,700.00	7,129.66	7,125.66	7,125.66	82.29	247.03	89.49	321.63	-8,360.09	7,212.75	6,926.66	286.09	25.212		
9,800.00	7,129.90	7,125.90	7,125.90	84.84	247.04	89.49	321.63	-8,360.09	7,116.21	6,829.66	286.54	24.835		
9,900.00	7,130.14	7,126.14	7,126.14	87.41	247.05	89.50	321.63	-8,360.09	7,019.76	6,732.73	287.03	24.456		
10,000.00	7,130.38	7,126.38	7,126.38	90.00	247.06	89.51	321.63	-8,360.09	6,923.42	6,635.86	287.56	24.077		
10,100.00	7,130.62	7,126.62	7,126.62	92.60	247.07	89.52	321.63	-8,360.09	6,827.18	6,539.06	288.12	23.696		
10,200.00	7,130.86	7,126.86	7,126.86	95.22	247.08	89.52	321.63	-8,360.09	6,731.05	6,442.33	288.72	23.313		
10,300.00	7,131.09	7,127.09	7,127.09	97.85	247.08	89.53	321.63	-8,360.09	6,635.03	6,345.67	289.36	22.930		
10,400.00	7,131.33	7,127.33	7,127.33	100.50	247.09	89.54	321.63	-8,360.09	6,539.13	6,249.09	290.04	22.546		
10,500.00	7,131.57	7,127.57	7,127.57	103.16	247.10	89.55	321.63	-8,360.09	6,443.36	6,152.60	290.76	22.160		
10,600.00	7,131.81	7,127.81	7,127.81	105.82	247.11	89.55	321.63	-8,360.09	6,347.72	6,056.19	291.53	21.774		
10,700.00	7,132.05	7,128.05	7,128.05	108.50	247.12	89.56	321.63	-8,360.09	6,252.22	5,959.87	292.35	21.386		
10,800.00	7,132.29	7,128.29	7,128.29	111.19	247.13	89.57	321.63	-8,360.09	6,156.85	5,863.64	293.21	20.998		
10,900.00	7,132.53	7,128.53	7,128.53	113.88	247.13	89.58	321.63	-8,360.09	6,061.64	5,767.51	294.13	20.609		
11,000.00	7,132.77	7,128.77	7,128.77	116.58	247.14	89.58	321.63	-8,360.09	5,966.58	5,671.49	295.09	20.219		
11,100.00	7,133.01	7,129.01	7,129.01	119.29	247.15	89.59	321.63	-8,360.09	5,871.69	5,575.58	296.12	19.829		
11,200.00	7,133.25	7,129.25	7,129.25	122.01	247.16	89.60	321.63	-8,360.09	5,776.97	5,479.78	297.19	19.438		
11,300.00	7,133.49	7,129.49	7,129.49	124.73	247.17	89.61	321.63	-8,360.09	5,682.43	5,384.10	298.33	19.048		
11,400.00	7,133.73	7,129.73	7,129.73	127.46	247.18	89.61	321.63	-8,360.09	5,588.09	5,288.56	299.53	18.656		
11,500.00	7,133.97	7,129.97	7,129.97	130.19	247.18	89.62	321.63	-8,360.09	5,493.94	5,193.15	300.79	18.265		
11,600.00	7,134.21	7,130.21	7,130.21	132.93	247.19	89.63	321.63	-8,360.09	5,400.00	5,097.89	302.11	17.874		
11,700.00	7,134.45	7,130.45	7,130.45	135.68	247.20	89.63	321.63	-8,360.09	5,306.28	5,002.77	303.51	17.483		
11,800.00	7,134.69	7,130.69	7,130.69	138.43	247.21	89.64	321.63	-8,360.09	5,212.80	4,907.82	304.97	17.093		
11,900.00	7,134.93	7,130.93	7,130.93	141.18	247.22	89.65	321.63	-8,360.09	5,119.56	4,813.05	306.51	16.703		
12,000.00	7,135.17	7,131.17	7,131.17	143.94	247.23	89.66	321.63	-8,360.09	5,026.58	4,718.45	308.13	16.313		
12,100.00	7,135.41	7,131.41	7,131.41	146.70	247.23	89.66	321.63	-8,360.09	4,933.88	4,624.05	309.83	15.924		
12,200.00	7,135.65	7,131.65	7,131.65	149.46	247.24	89.67	321.63	-8,360.09	4,841.47	4,529.85	311.62	15.537		
12,300.00	7,135.89	7,131.89	7,131.89	152.23	247.25	89.68	321.63	-8,360.09	4,749.36	4,435.88	313.49	15.150		
12,400.00	7,136.13	7,132.13	7,132.13	155.00	247.26	89.69	321.63	-8,360.09	4,657.59	4,342.13	315.45	14.765		
12,500.00	7,136.37	7,132.37	7,132.37	157.78	247.27	89.69	321.63	-8,360.09	4,566.15	4,248.64	317.51	14.381		
12,600.00	7,136.61	7,132.61	7,132.61	160.55	247.28	89.70	321.63	-8,360.09	4,475.08	4,155.41	319.67	13.999		
12,700.00	7,136.85	7,132.85	7,132.85	163.33	247.28	89.71	321.63	-8,360.09	4,384.41	4,062.47	321.94	13.619		
12,800.00	7,137.09	7,133.09	7,133.09	166.12	247.29	89.72	321.63	-8,360.09	4,294.14	3,969.83	324.31	13.241		
12,900.00	7,137.33	7,133.33	7,133.33	168.90	247.30	89.72	321.63	-8,360.09	4,204.32	3,877.51	326.80	12.865		
13,000.00	7,137.57	7,133.57	7,133.57	171.69	247.31	89.73	321.63	-8,360.09	4,114.97	3,785.55	329.42	12.492		
13,100.00	7,137.81	7,133.81	7,133.81	174.48	247.32	89.74	321.63	-8,360.09	4,026.11	3,693.96	332.16	12.121		
13,200.00	7,138.05	7,134.05	7,134.05	177.27	247.33	89.74	321.63	-8,360.09	3,937.79	3,602.77	335.03	11.754		
13,300.00	7,138.29	7,134.29	7,134.29	180.07	247.33	89.75	321.63	-8,360.09	3,850.05	3,512.01	338.04	11.389		
13,400.00	7,138.53	7,134.53	7,134.53	182.86	247.34	89.76	321.63	-8,360.09	3,762.91	3,421.71	341.20	11.029		
13,500.00	7,138.77	7,134.77	7,134.77	185.66	247.35	89.77	321.63	-8,360.09	3,676.43	3,331.92	344.51	10.672		
13,600.00	7,139.01	7,135.01	7,135.01	188.46	247.36	89.77	321.63	-8,360.09	3,590.65	3,242.67	347.98	10.319		
13,700.00	7,139.25	7,135.25	7,135.25	191.26	247.37	89.78	321.63	-8,360.09	3,505.63	3,154.01	351.61	9.970		
13,800.00	7,139.49	7,135.49	7,135.49	194.06	247.38	89.79	321.63	-8,360.09	3,421.41	3,065.98	355.43	9.626		
13,900.00	7,139.73	7,135.73	7,135.73	196.87	247.38	89.80	321.63	-8,360.09	3,338.07	2,978.64	359.42	9.287		
14,000.00	7,139.97	7,135.97	7,135.97	199.68	247.39	89.80	321.63	-8,360.09	3,255.66	2,892.05	363.61	8.954		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	7,136.21	7,136.21	202.48	247.40	89.81	321.63	-8,360.09	3,174.27	2,806.27	368.00	8.626		
14,200.00	7,140.45	7,136.45	7,136.45	205.29	247.41	89.82	321.63	-8,360.09	3,093.96	2,721.38	372.59	8.304		
14,300.00	7,140.69	7,136.69	7,136.69	208.10	247.42	89.83	321.63	-8,360.09	3,014.84	2,637.45	377.39	7.989		
14,400.00	7,140.93	7,136.93	7,136.93	210.91	247.43	89.83	321.63	-8,360.09	2,936.99	2,554.57	382.42	7.680		
14,500.00	7,141.17	7,137.17	7,137.17	213.73	247.44	89.84	321.63	-8,360.09	2,860.51	2,472.85	387.67	7.379		
14,600.00	7,141.41	7,137.41	7,137.41	216.54	247.44	89.85	321.63	-8,360.09	2,785.53	2,392.38	393.14	7.085		
14,700.00	7,141.65	7,137.65	7,137.65	219.36	247.45	89.86	321.63	-8,360.09	2,712.16	2,313.30	398.86	6.800		
14,800.00	7,141.89	7,137.89	7,137.89	222.17	247.46	89.86	321.63	-8,360.09	2,640.54	2,235.74	404.80	6.523		
14,900.00	7,142.13	7,138.13	7,138.13	224.99	247.47	89.87	321.63	-8,360.09	2,570.81	2,159.84	410.97	6.255		
15,000.00	7,142.36	7,138.36	7,138.36	227.81	247.48	89.88	321.63	-8,360.09	2,503.14	2,085.77	417.37	5.997		
15,100.00	7,142.60	7,138.60	7,138.60	230.63	247.49	89.88	321.63	-8,360.09	2,437.69	2,013.72	423.97	5.750		
15,200.00	7,142.84	7,138.84	7,138.84	233.45	247.49	89.89	321.63	-8,360.09	2,374.66	1,943.87	430.78	5.512		
15,300.00	7,143.08	7,139.08	7,139.08	236.27	247.50	89.90	321.63	-8,360.09	2,314.22	1,876.46	437.76	5.286		
15,400.00	7,143.32	7,139.32	7,139.32	239.09	247.51	89.91	321.63	-8,360.09	2,256.60	1,811.71	444.89	5.072		
15,500.00	7,143.56	7,139.56	7,139.56	241.91	247.52	89.91	321.63	-8,360.09	2,202.02	1,749.89	452.13	4.870		
15,600.00	7,143.80	7,139.80	7,139.80	244.73	247.53	89.92	321.63	-8,360.09	2,150.71	1,691.28	459.43	4.681		
15,700.00	7,144.04	7,140.04	7,140.04	247.56	247.54	89.93	321.63	-8,360.09	2,102.90	1,636.16	466.74	4.506		
15,800.00	7,144.28	7,140.28	7,140.28	250.38	247.54	89.94	321.63	-8,360.09	2,058.84	1,584.84	473.99	4.344		
15,900.00	7,144.52	7,140.52	7,140.52	253.21	247.55	89.94	321.63	-8,360.09	2,018.77	1,537.65	481.12	4.196		
16,000.00	7,144.76	7,140.76	7,140.76	256.03	247.56	89.95	321.63	-8,360.09	1,982.95	1,494.90	488.04	4.063		
16,100.00	7,145.00	7,141.00	7,141.00	258.86	247.57	89.96	321.63	-8,360.09	1,951.59	1,456.93	494.67	3.945		
16,200.00	7,145.24	7,141.24	7,141.24	261.69	247.58	89.97	321.63	-8,360.09	1,924.93	1,424.02	500.91	3.843		
16,300.00	7,145.48	7,141.48	7,141.48	264.52	247.59	89.97	321.63	-8,360.09	1,903.15	1,396.48	506.68	3.756		
16,400.00	7,145.72	7,141.72	7,141.72	267.35	247.59	89.98	321.63	-8,360.09	1,886.43	1,374.55	511.88	3.685		
16,500.00	7,145.96	7,141.96	7,141.96	270.18	247.60	89.99	321.63	-8,360.09	1,874.90	1,358.45	516.45	3.630		
16,600.00	7,146.20	7,142.20	7,142.20	273.01	247.61	90.00	321.63	-8,360.09	1,868.66	1,348.34	520.33	3.591		
16,666.82	7,146.36	7,142.36	7,142.36	274.90	247.62	90.00	321.63	-8,360.09	1,867.47	1,344.97	522.50	3.574 CC		
16,700.00	7,146.44	7,142.44	7,142.44	275.84	247.62	90.00	321.63	-8,360.09	1,867.76	1,344.31	523.45	3.568 ES		
16,800.00	7,146.68	7,142.68	7,142.68	278.67	247.63	90.01	321.63	-8,360.09	1,872.21	1,346.42	525.79	3.561 SF		
16,900.00	7,146.92	7,142.92	7,142.92	281.50	247.64	90.02	321.63	-8,360.09	1,881.97	1,354.62	527.35	3.569		
17,000.00	7,147.16	7,143.16	7,143.16	284.33	247.64	90.02	321.63	-8,360.09	1,896.95	1,368.82	528.14	3.592		
17,100.00	7,147.40	7,143.40	7,143.40	287.16	247.65	90.03	321.63	-8,360.09	1,917.05	1,388.88	528.17	3.630		
17,200.00	7,147.64	7,143.64	7,143.64	290.00	247.66	90.04	321.63	-8,360.09	1,942.09	1,414.58	527.51	3.682		
17,300.00	7,147.88	7,143.88	7,143.88	292.83	247.67	90.05	321.63	-8,360.09	1,971.89	1,445.69	526.20	3.747		
17,400.00	7,148.12	7,144.12	7,144.12	295.66	247.68	90.05	321.63	-8,360.09	2,006.23	1,481.91	524.32	3.826		
17,500.00	7,148.36	7,144.36	7,144.36	298.50	247.69	90.06	321.63	-8,360.09	2,044.90	1,522.96	521.93	3.918		
17,600.00	7,148.60	7,144.60	7,144.60	301.33	247.69	90.07	321.63	-8,360.09	2,087.64	1,568.52	519.12	4.022		
17,700.00	7,148.84	7,144.84	7,144.84	304.17	247.70	90.08	321.63	-8,360.09	2,134.22	1,618.27	515.95	4.137		
17,800.00	7,149.08	7,145.08	7,145.08	307.00	247.71	90.08	321.63	-8,360.09	2,184.38	1,671.89	512.49	4.262		
17,900.00	7,149.32	7,145.32	7,145.32	309.84	247.72	90.09	321.63	-8,360.09	2,237.89	1,729.09	508.80	4.398		
18,000.00	7,149.56	7,145.56	7,145.56	312.68	247.73	90.10	321.63	-8,360.09	2,294.51	1,789.56	504.95	4.544		
18,100.00	7,149.80	7,145.80	7,145.80	315.51	247.74	90.11	321.63	-8,360.09	2,354.02	1,853.03	500.99	4.699		
18,200.00	7,150.04	7,146.04	7,146.04	318.35	247.74	90.11	321.63	-8,360.09	2,416.21	1,919.25	496.95	4.862		
18,300.00	7,150.28	7,146.28	7,146.28	321.19	247.75	90.12	321.63	-8,360.09	2,480.86	1,987.98	492.88	5.033		
18,400.00	7,150.52	7,146.52	7,146.52	324.03	247.76	90.13	321.63	-8,360.09	2,547.81	2,058.99	488.82	5.212		
18,500.00	7,150.76	7,146.76	7,146.76	326.86	247.77	90.13	321.63	-8,360.09	2,616.86	2,132.08	484.78	5.398		
18,600.00	7,151.00	7,147.00	7,147.00	329.70	247.78	90.14	321.63	-8,360.09	2,687.86	2,207.07	480.78	5.591		
18,700.00	7,151.24	7,147.24	7,147.24	332.54	247.79	90.15	321.63	-8,360.09	2,760.65	2,283.80	476.86	5.789		
18,800.00	7,151.48	7,147.48	7,147.48	335.38	247.80	90.16	321.63	-8,360.09	2,835.11	2,362.10	473.01	5.994		
18,900.00	7,151.72	7,147.72	7,147.72	338.22	247.80	90.16	321.63	-8,360.09	2,911.10	2,441.85	469.25	6.204		
19,000.00	7,151.96	7,147.96	7,147.96	341.06	247.81	90.17	321.63	-8,360.09	2,988.50	2,522.92	465.58	6.419		
19,018.30	7,152.00	7,148.00	7,148.00	341.58	247.81	90.17	321.63	-8,360.09	3,002.80	2,537.88	464.92	6.459		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	31.29	1,577.09	958.54	1,845.76					
100.00	100.00	66.55	66.55	3.28	3.28	31.29	1,577.26	958.45	1,845.65	1,839.08	6.57	281.010 CC, ES		
200.00	200.00	171.34	171.34	3.34	3.32	31.26	1,577.91	957.95	1,845.94	1,839.28	6.66	277.231		
300.00	299.98	274.07	274.06	3.44	3.42	-106.05	1,578.15	957.37	1,846.32	1,839.46	6.86	269.207		
400.00	399.84	370.18	370.18	3.59	3.56	-106.18	1,578.21	957.19	1,847.74	1,840.59	7.15	258.552		
500.00	499.45	468.32	468.31	3.80	3.74	-106.39	1,578.49	957.03	1,850.35	1,842.82	7.53	245.811		
600.00	598.70	571.13	571.12	4.04	3.97	-106.70	1,578.65	956.97	1,853.95	1,845.95	8.00	231.734		
700.00	697.47	669.73	669.73	4.32	4.22	-107.07	1,578.59	956.96	1,858.49	1,849.95	8.54	217.720		
800.00	795.62	763.29	763.29	4.65	4.48	-107.48	1,578.71	956.91	1,864.34	1,855.22	9.12	204.392		
900.00	893.06	860.15	860.14	5.01	4.77	-107.99	1,579.00	957.00	1,871.66	1,861.89	9.77	191.512		
1,000.00	989.64	961.61	961.60	5.42	5.10	-108.58	1,579.04	957.25	1,880.20	1,869.71	10.49	179.185		
1,044.50	1,032.32	1,007.02	1,007.01	5.61	5.24	-108.87	1,578.99	957.28	1,884.37	1,873.53	10.83	173.986		
1,100.00	1,085.43	1,062.71	1,062.70	5.86	5.43	-109.34	1,578.85	957.29	1,889.73	1,878.47	11.26	167.835		
1,200.00	1,181.11	1,158.36	1,158.35	6.33	5.76	-110.13	1,578.50	957.29	1,899.60	1,887.56	12.04	157.746		
1,300.00	1,276.80	1,255.10	1,255.09	6.81	6.11	-110.92	1,578.22	957.31	1,909.92	1,897.06	12.85	148.576		
1,400.00	1,372.49	1,351.05	1,351.04	7.31	6.46	-111.69	1,577.76	957.41	1,920.49	1,906.81	13.69	140.328		
1,500.00	1,468.17	1,443.48	1,443.47	7.83	6.80	-112.43	1,577.42	957.59	1,931.56	1,917.04	14.52	133.032		
1,600.00	1,563.86	1,538.10	1,538.09	8.35	7.16	-113.18	1,577.25	957.74	1,943.13	1,927.76	15.37	126.384		
1,700.00	1,659.55	1,634.82	1,634.80	8.88	7.53	-113.94	1,577.08	957.73	1,955.01	1,938.76	16.25	120.313		
1,800.00	1,755.23	1,731.10	1,731.09	9.42	7.90	-114.69	1,576.90	957.81	1,967.27	1,950.14	17.13	114.836		
1,900.00	1,850.92	1,832.66	1,832.64	9.97	8.30	-115.46	1,576.45	958.00	1,979.67	1,961.63	18.04	109.722		
2,000.00	1,946.61	1,931.97	1,931.96	10.52	8.69	-116.21	1,575.80	958.03	1,992.17	1,973.22	18.95	105.122		
2,100.00	2,042.29	2,028.60	2,028.58	11.07	9.07	-116.93	1,575.10	957.98	2,004.92	1,985.06	19.85	100.989		
2,200.00	2,137.98	2,125.53	2,125.51	11.63	9.46	-117.64	1,574.40	957.82	2,017.95	1,997.19	20.76	97.204		
2,300.00	2,233.67	2,223.65	2,223.62	12.19	9.86	-118.37	1,573.73	957.30	2,031.22	2,009.55	21.67	93.713		
2,400.00	2,329.35	2,321.63	2,321.60	12.76	10.25	-119.09	1,573.00	956.49	2,044.68	2,022.09	22.59	90.505		
2,500.00	2,425.04	2,414.56	2,414.52	13.32	10.63	-119.77	1,572.34	955.66	2,058.48	2,034.99	23.49	87.641		
2,600.00	2,520.72	2,503.91	2,503.87	13.89	10.99	-120.42	1,571.92	954.87	2,072.83	2,048.46	24.37	85.065		
2,700.00	2,616.41	2,592.85	2,592.81	14.46	11.36	-121.06	1,571.80	954.07	2,087.78	2,062.54	25.25	82.701		
2,800.00	2,712.10	2,683.91	2,683.86	15.03	11.73	-121.70	1,571.91	953.32	2,103.30	2,077.17	26.13	80.488		
2,900.00	2,807.78	2,780.29	2,780.24	15.60	12.13	-122.38	1,572.10	952.63	2,119.22	2,092.17	27.04	78.361		
3,000.00	2,903.47	2,877.16	2,877.11	16.18	12.53	-123.04	1,572.21	951.93	2,135.36	2,107.40	27.96	76.374		
3,100.00	2,999.16	2,983.07	2,983.02	16.75	12.96	-123.75	1,572.07	951.26	2,151.57	2,122.65	28.92	74.399		
3,200.00	3,094.84	3,080.93	3,080.88	17.33	13.37	-124.40	1,571.57	950.64	2,167.69	2,137.85	29.84	72.642		
3,300.00	3,190.53	3,171.80	3,171.74	17.90	13.75	-124.99	1,571.18	949.99	2,184.16	2,153.43	30.73	71.083		
3,400.00	3,286.22	3,252.19	3,252.13	18.48	14.08	-125.51	1,571.17	949.37	2,201.29	2,169.73	31.56	69.755		
3,500.00	3,381.90	3,332.42	3,332.35	19.06	14.42	-126.03	1,571.84	948.80	2,219.45	2,187.07	32.38	68.537		
3,600.00	3,477.59	3,420.79	3,420.71	19.64	14.78	-126.59	1,572.93	948.44	2,238.31	2,205.06	33.25	67.319		
3,700.00	3,573.28	3,511.44	3,511.35	20.22	15.16	-127.15	1,574.25	948.13	2,257.62	2,223.50	34.13	66.156		
3,800.00	3,668.96	3,597.12	3,597.02	20.80	15.52	-127.66	1,575.75	948.04	2,277.49	2,242.52	34.97	65.120		
3,900.00	3,764.65	3,690.03	3,689.91	21.38	15.91	-128.21	1,577.61	948.05	2,297.85	2,261.99	35.86	64.076		
4,000.00	3,860.33	3,785.97	3,785.83	21.96	16.31	-128.78	1,579.58	947.95	2,318.46	2,281.69	36.76	63.062		
4,100.00	3,956.02	3,898.61	3,898.45	22.54	16.78	-129.43	1,581.52	947.65	2,338.96	2,301.20	37.76	61.940		
4,200.00	4,051.71	4,001.19	4,001.02	23.13	17.21	-130.02	1,582.74	946.93	2,359.13	2,320.42	38.70	60.957		
4,300.00	4,147.39	4,102.22	4,102.05	23.71	17.63	-130.59	1,583.68	946.11	2,379.25	2,339.62	39.63	60.033		
4,400.00	4,243.08	4,198.23	4,198.05	24.29	18.04	-131.13	1,584.43	945.48	2,399.46	2,358.92	40.54	59.195		
4,500.00	4,338.77	4,298.35	4,298.16	24.88	18.46	-131.67	1,585.10	944.88	2,419.76	2,378.30	41.46	58.364		
4,600.00	4,434.45	4,394.92	4,394.73	25.46	18.87	-132.19	1,585.63	944.26	2,440.15	2,397.78	42.36	57.599		
4,700.00	4,530.14	4,492.39	4,492.20	26.04	19.28	-132.70	1,586.09	943.79	2,460.67	2,417.39	43.27	56.863		
4,800.00	4,625.83	4,583.33	4,583.14	26.63	19.66	-133.17	1,586.55	943.45	2,481.41	2,437.27	44.15	56.210		
4,900.00	4,721.51	4,684.57	4,684.37	27.21	20.09	-133.68	1,587.09	943.04	2,502.36	2,457.29	45.08	55.515		
5,000.00	4,817.20	4,793.15	4,792.96	27.80	20.55	-134.22	1,587.24	942.60	2,523.10	2,477.05	46.05	54.794		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,912.89	4,896.04	4,895.85	28.38	20.98	-134.72	1,586.95	942.07	2,543.61	2,496.62	46.99	54.136		
5,200.00	5,008.57	5,000.78	5,000.58	28.97	21.42	-135.23	1,586.32	941.62	2,563.99	2,516.06	47.93	53.490		
5,300.00	5,104.26	5,109.83	5,109.63	29.55	21.89	-135.74	1,585.20	941.15	2,584.11	2,535.21	48.91	52.837		
5,400.00	5,199.94	5,191.50	5,191.29	30.14	22.23	-136.12	1,584.41	941.10	2,604.46	2,554.74	49.72	52.379		
5,500.00	5,295.63	5,310.16	5,309.95	30.72	22.73	-136.64	1,583.08	941.24	2,624.82	2,574.07	50.75	51.719		
5,600.00	5,391.32	5,392.23	5,392.00	31.31	23.08	-137.01	1,582.04	941.22	2,645.15	2,593.58	51.57	51.293		
5,700.00	5,487.00	5,493.08	5,492.85	31.90	23.51	-137.45	1,580.87	941.01	2,665.76	2,613.27	52.49	50.782		
5,800.00	5,582.69	5,584.41	5,584.17	32.48	23.89	-137.85	1,579.76	940.59	2,686.46	2,633.10	53.36	50.344		
5,900.00	5,678.38	5,682.44	5,682.19	33.07	24.31	-138.28	1,578.66	940.16	2,707.39	2,653.12	54.27	49.888		
6,000.00	5,774.06	5,775.11	5,774.85	33.65	24.70	-138.67	1,577.59	939.80	2,728.42	2,673.28	55.14	49.478		
6,100.00	5,869.75	5,869.67	5,869.41	34.24	25.10	-139.06	1,576.61	939.50	2,749.71	2,693.68	56.03	49.076		
6,200.00	5,965.44	5,961.91	5,961.64	34.83	25.49	-139.45	1,575.70	939.06	2,771.17	2,714.27	56.90	48.702		
6,300.00	6,061.12	6,048.45	6,048.19	35.41	25.86	-139.80	1,575.03	938.51	2,792.98	2,735.24	57.74	48.375		
6,400.00	6,156.81	6,138.52	6,138.25	36.00	26.24	-140.17	1,574.65	937.77	2,815.26	2,756.67	58.59	48.050		
6,500.00	6,252.50	6,235.59	6,235.31	36.59	26.66	-140.56	1,574.21	937.06	2,837.64	2,778.15	59.49	47.701		
6,600.00	6,348.18	6,325.91	6,325.63	37.18	27.04	-140.92	1,573.88	936.38	2,860.23	2,799.89	60.34	47.399		
6,636.04	6,382.67	6,357.58	6,357.30	37.39	27.17	-141.04	1,573.82	936.15	2,868.46	2,807.81	60.65	47.298		
6,650.00	6,396.05	6,369.87	6,369.58	37.47	27.23	-144.66	1,573.80	936.07	2,871.65	2,810.89	60.76	47.260		
6,700.00	6,444.38	6,415.87	6,415.59	37.74	27.42	-160.42	1,573.78	935.76	2,883.02	2,821.84	61.18	47.123		
6,750.00	6,493.07	6,465.76	6,465.47	37.98	27.63	-179.86	1,573.75	935.45	2,894.17	2,832.56	61.61	46.978		
6,800.00	6,541.82	6,514.49	6,514.21	38.18	27.84	-159.28	1,573.72	935.19	2,905.00	2,842.99	62.01	46.845		
6,850.00	6,590.35	6,560.29	6,560.00	38.35	28.04	-141.86	1,573.71	934.98	2,915.49	2,853.10	62.39	46.727		
6,900.00	6,638.34	6,605.99	6,605.71	38.50	28.23	-128.96	1,573.76	934.83	2,925.62	2,862.85	62.78	46.604		
6,950.00	6,685.50	6,653.99	6,653.71	38.64	28.44	-119.81	1,573.81	934.65	2,935.33	2,872.15	63.18	46.458		
7,000.00	6,731.54	6,700.91	6,700.63	38.77	28.63	-113.26	1,573.85	934.43	2,944.59	2,880.99	63.59	46.303		
7,050.00	6,776.18	6,743.41	6,743.13	38.90	28.82	-108.43	1,573.89	934.20	2,953.42	2,889.42	64.00	46.150		
7,100.00	6,819.14	6,784.38	6,784.10	39.03	28.99	-104.80	1,573.96	933.98	2,961.86	2,897.46	64.41	45.985		
7,150.00	6,860.16	6,825.97	6,825.68	39.16	29.17	-102.04	1,574.05	933.78	2,969.94	2,905.08	64.85	45.795		
7,200.00	6,898.98	6,866.78	6,866.49	39.31	29.34	-99.90	1,574.12	933.67	2,977.64	2,912.31	65.32	45.584		
7,250.00	6,935.36	6,904.90	6,904.61	39.47	29.50	-98.20	1,574.17	933.66	2,985.01	2,919.20	65.81	45.358		
7,300.00	6,969.08	6,936.61	6,936.32	39.65	29.64	-96.79	1,574.21	933.65	2,992.14	2,925.84	66.30	45.132		
7,350.00	6,999.94	6,966.08	6,965.80	39.85	29.76	-95.62	1,574.26	933.61	2,999.08	2,932.27	66.81	44.887		
7,400.00	7,027.74	6,992.71	6,992.42	40.08	29.87	-94.64	1,574.32	933.56	3,005.89	2,938.53	67.36	44.625		
7,450.00	7,052.31	7,017.25	7,016.96	40.34	29.98	-93.81	1,574.38	933.50	3,012.59	2,944.65	67.94	44.341		
7,500.00	7,073.49	7,038.74	7,038.45	40.63	30.07	-93.08	1,574.44	933.46	3,019.22	2,950.67	68.55	44.042		
7,550.00	7,091.17	7,056.62	7,056.33	40.95	30.14	-92.41	1,574.48	933.44	3,025.82	2,956.63	69.19	43.731		
7,600.00	7,105.22	7,070.80	7,070.51	41.31	30.20	-91.78	1,574.51	933.43	3,032.40	2,962.55	69.85	43.412		
7,650.00	7,115.57	7,081.21	7,080.92	41.71	30.25	-91.18	1,574.53	933.43	3,038.98	2,968.45	70.53	43.088		
7,700.00	7,122.15	7,087.79	7,087.50	42.15	30.28	-90.59	1,574.55	933.43	3,045.55	2,974.33	71.22	42.763		
7,750.00	7,124.91	7,090.54	7,090.25	42.62	30.29	-90.00	1,574.55	933.44	3,052.10	2,980.19	71.91	42.442		
7,759.54	7,125.00	7,090.63	7,090.34	42.72	30.29	-89.89	1,574.55	933.44	3,053.35	2,981.31	72.04	42.382		
7,800.00	7,125.10	7,090.70	7,090.41	43.13	30.29	-89.89	1,574.55	933.44	3,058.89	2,986.28	72.61	42.127		
7,900.00	7,125.34	7,090.89	7,090.60	44.28	30.29	-89.90	1,574.55	933.44	3,074.83	3,000.74	74.10	41.498		
8,000.00	7,125.58	7,091.08	7,090.79	45.61	30.29	-89.90	1,574.55	933.44	3,093.92	3,018.25	75.67	40.889		
8,100.00	7,125.82	7,091.26	7,090.97	47.10	30.29	-89.90	1,574.55	933.44	3,116.11	3,038.80	77.30	40.311		
8,200.00	7,126.06	7,091.45	7,091.16	48.72	30.29	-89.91	1,574.55	933.44	3,141.32	3,062.34	78.98	39.773		
8,300.00	7,126.30	7,091.63	7,091.34	50.48	30.29	-89.91	1,574.55	933.44	3,169.49	3,088.80	80.69	39.281		
8,400.00	7,126.54	7,091.81	7,091.52	52.34	30.29	-89.91	1,574.56	933.44	3,200.53	3,118.13	82.40	38.841		
8,500.00	7,126.78	7,091.99	7,091.70	54.30	30.29	-89.92	1,574.56	933.44	3,234.37	3,150.26	84.11	38.453		
8,600.00	7,127.02	7,092.17	7,091.88	56.35	30.30	-89.92	1,574.56	933.44	3,270.92	3,185.12	85.81	38.120		
8,700.00	7,127.26	7,092.35	7,092.06	58.47	30.30	-89.92	1,574.56	933.44	3,310.09	3,222.62	87.48	37.840		
8,800.00	7,127.50	7,092.52	7,092.24	60.66	30.30	-89.93	1,574.56	933.44	3,351.79	3,262.68	89.11	37.613		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,127.74	7,092.70	7,092.41	62.90	30.30	89.93	1,574.56	933.44	3,395.91	3,305.21	90.71	37.438		
9,000.00	7,127.98	7,092.87	7,092.59	65.19	30.30	89.93	1,574.56	933.44	3,442.38	3,350.13	92.26	37.313		
9,100.00	7,128.22	7,093.05	7,092.76	67.53	30.30	89.94	1,574.56	933.44	3,491.10	3,397.34	93.76	37.235		
9,200.00	7,128.46	7,093.22	7,092.93	69.92	30.30	89.94	1,574.56	933.44	3,541.97	3,446.76	95.21	37.201 SF		
9,300.00	7,128.70	7,093.39	7,093.10	72.33	30.30	89.94	1,574.56	933.44	3,594.90	3,498.29	96.61	37.211		
9,400.00	7,128.94	7,093.56	7,093.27	74.78	30.30	89.95	1,574.56	933.44	3,649.80	3,551.85	97.95	37.261		
9,500.00	7,129.18	7,093.73	7,093.44	77.26	30.30	89.95	1,574.56	933.44	3,706.59	3,607.35	99.24	37.349		
9,600.00	7,129.42	7,093.89	7,093.60	79.76	30.30	89.95	1,574.56	933.44	3,765.18	3,664.70	100.48	37.472		
9,700.00	7,129.66	7,094.06	7,093.77	82.29	30.30	89.96	1,574.56	933.44	3,825.49	3,723.83	101.66	37.630		
9,800.00	7,129.90	7,094.22	7,093.94	84.84	30.30	89.96	1,574.56	933.44	3,887.43	3,784.64	102.79	37.819		
9,900.00	7,130.14	7,094.39	7,094.10	87.41	30.30	89.96	1,574.56	933.44	3,950.93	3,847.06	103.87	38.037		
10,000.00	7,130.38	7,094.55	7,094.26	90.00	30.31	89.97	1,574.56	933.44	4,015.92	3,911.03	104.90	38.284		
10,100.00	7,130.62	7,094.71	7,094.42	92.60	30.31	89.97	1,574.56	933.44	4,082.33	3,976.45	105.88	38.556		
10,200.00	7,130.86	7,094.87	7,094.58	95.22	30.31	89.97	1,574.56	933.44	4,150.08	4,043.27	106.81	38.853		
10,300.00	7,131.09	7,095.03	7,094.74	97.85	30.31	89.98	1,574.56	933.44	4,219.12	4,111.41	107.70	39.173		
10,400.00	7,131.33	7,095.19	7,094.90	100.50	30.31	89.98	1,574.56	933.44	4,289.37	4,180.82	108.55	39.514		
10,500.00	7,131.57	7,095.35	7,095.06	103.16	30.31	89.98	1,574.56	933.44	4,360.79	4,251.43	109.36	39.876		
10,600.00	7,131.81	7,095.50	7,095.21	105.82	30.31	89.98	1,574.56	933.44	4,433.31	4,323.18	110.13	40.257		
10,700.00	7,132.05	7,095.66	7,095.37	108.50	30.31	89.99	1,574.56	933.44	4,506.88	4,396.03	110.86	40.655		
10,800.00	7,132.29	7,095.81	7,095.52	111.19	30.31	89.99	1,574.56	933.44	4,581.46	4,469.91	111.55	41.070		
10,900.00	7,132.53	7,095.96	7,095.68	113.88	30.31	89.99	1,574.56	933.44	4,656.99	4,544.77	112.21	41.501		
11,000.00	7,132.77	7,096.12	7,095.83	116.58	30.31	90.00	1,574.56	933.44	4,733.42	4,620.58	112.84	41.947		
11,100.00	7,133.01	7,096.27	7,095.98	119.29	30.31	90.00	1,574.56	933.44	4,810.72	4,697.28	113.44	42.407		
11,200.00	7,133.25	7,096.42	7,096.13	122.01	30.31	90.00	1,574.57	933.44	4,888.85	4,774.83	114.01	42.880		
11,300.00	7,133.49	7,096.57	7,096.28	124.73	30.31	90.00	1,574.57	933.44	4,967.75	4,853.20	114.56	43.365		
11,400.00	7,133.73	7,096.72	7,096.43	127.46	30.31	90.01	1,574.57	933.44	5,047.41	4,932.34	115.07	43.862		
11,500.00	7,133.97	7,096.86	7,096.58	130.19	30.32	90.01	1,574.57	933.44	5,127.78	5,012.21	115.57	44.370		
11,600.00	7,134.21	7,097.01	7,096.72	132.93	30.32	90.01	1,574.57	933.44	5,208.83	5,092.79	116.04	44.889		
11,700.00	7,134.45	7,097.16	7,096.87	135.68	30.32	90.02	1,574.57	933.44	5,290.52	5,174.04	116.49	45.417		
11,800.00	7,134.69	7,097.30	7,097.01	138.43	30.32	90.02	1,574.57	933.44	5,372.84	5,255.92	116.91	45.955		
11,900.00	7,134.93	7,097.44	7,097.16	141.18	30.32	90.02	1,574.57	933.44	5,455.75	5,338.42	117.32	46.502		
12,000.00	7,135.17	7,097.59	7,097.30	143.94	30.32	90.02	1,574.57	933.44	5,539.22	5,421.50	117.71	47.057		
12,100.00	7,135.41	7,097.73	7,097.44	146.70	30.32	90.03	1,574.57	933.44	5,623.23	5,505.14	118.09	47.619		
12,200.00	7,135.65	7,097.87	7,097.58	149.46	30.32	90.03	1,574.57	933.44	5,707.75	5,589.31	118.44	48.190		
12,300.00	7,135.89	7,098.01	7,097.72	152.23	30.32	90.03	1,574.57	933.44	5,792.77	5,673.99	118.78	48.767		
12,400.00	7,136.13	7,098.15	7,097.86	155.00	30.32	90.03	1,574.57	933.44	5,878.26	5,759.15	119.11	49.351		
12,500.00	7,136.37	7,098.29	7,098.00	157.78	30.32	90.04	1,574.57	933.44	5,964.21	5,844.78	119.42	49.942		
12,600.00	7,136.61	7,098.43	7,098.14	160.55	30.32	90.04	1,574.57	933.44	6,050.58	5,930.86	119.72	50.538		
12,700.00	7,136.85	7,098.56	7,098.27	163.33	30.32	90.04	1,574.57	933.44	6,137.37	6,017.36	120.01	51.141		
12,800.00	7,137.09	7,098.70	7,098.41	166.12	30.32	90.04	1,574.57	933.44	6,224.55	6,104.27	120.28	51.748		
12,900.00	7,137.33	7,098.83	7,098.55	168.90	30.32	90.05	1,574.57	933.44	6,312.11	6,191.57	120.55	52.362		
13,000.00	7,137.57	7,098.97	7,098.68	171.69	30.32	90.05	1,574.57	933.44	6,400.04	6,279.24	120.80	52.979		
13,100.00	7,137.81	7,099.10	7,098.81	174.48	30.32	90.05	1,574.57	933.44	6,488.32	6,367.28	121.05	53.602		
13,200.00	7,138.05	7,099.23	7,098.95	177.27	30.33	90.05	1,574.57	933.44	6,576.94	6,455.66	121.28	54.229		
13,300.00	7,138.29	7,099.37	7,099.08	180.07	30.33	90.06	1,574.57	933.44	6,665.87	6,544.37	121.51	54.861		
13,400.00	7,138.53	7,099.50	7,099.21	182.86	30.33	90.06	1,574.57	933.44	6,755.12	6,633.39	121.72	55.496		
13,500.00	7,138.77	7,099.63	7,099.34	185.66	30.33	90.06	1,574.57	933.44	6,844.66	6,722.73	121.93	56.135		
13,600.00	7,139.01	7,100.00	7,099.71	188.46	30.33	90.07	1,574.57	933.44	6,934.49	6,812.36	122.13	56.778		
13,700.00	7,139.25	7,100.00	7,099.71	191.26	30.33	90.07	1,574.57	933.44	7,024.59	6,902.26	122.33	57.425		
13,800.00	7,139.49	7,100.00	7,099.71	194.06	30.33	90.07	1,574.57	933.44	7,114.96	6,992.45	122.51	58.075		
13,900.00	7,139.73	7,100.00	7,099.71	196.87	30.33	90.07	1,574.57	933.44	7,205.58	7,082.89	122.69	58.728		
14,000.00	7,139.97	7,100.00	7,099.71	199.68	30.33	90.07	1,574.57	933.44	7,296.45	7,173.58	122.87	59.384		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 34N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 34N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,140.21	7,100.00	7,099.71	202.48	30.33	90.07	1,574.57	933.44	7,387.55	7,264.52	123.04	60.043		
14,200.00	7,140.45	7,100.00	7,099.71	205.29	30.33	90.07	1,574.57	933.44	7,478.88	7,355.68	123.20	60.705		
14,300.00	7,140.69	7,100.00	7,099.71	208.10	30.33	90.07	1,574.57	933.44	7,570.43	7,447.08	123.36	61.370		
14,400.00	7,140.93	7,100.00	7,099.71	210.91	30.33	90.07	1,574.57	933.44	7,662.20	7,538.68	123.51	62.037		
14,500.00	7,141.17	7,100.00	7,099.71	213.73	30.33	90.07	1,574.57	933.44	7,754.16	7,630.50	123.66	62.706		
14,600.00	7,141.41	7,100.00	7,099.71	216.54	30.33	90.07	1,574.57	933.44	7,846.32	7,722.52	123.80	63.378		
14,700.00	7,141.65	7,100.00	7,099.71	219.36	30.33	90.07	1,574.57	933.44	7,938.67	7,814.73	123.94	64.051		
14,800.00	7,141.89	7,100.00	7,099.71	222.17	30.33	90.07	1,574.57	933.44	8,031.21	7,907.13	124.08	64.727		
14,900.00	7,142.13	7,100.00	7,099.71	224.99	30.33	90.07	1,574.57	933.44	8,123.92	7,999.71	124.21	65.405		
15,000.00	7,142.36	7,100.00	7,099.71	227.81	30.33	90.07	1,574.57	933.44	8,216.80	8,092.46	124.34	66.085		
15,100.00	7,142.60	7,100.00	7,099.71	230.63	30.33	90.07	1,574.57	933.44	8,309.85	8,185.39	124.46	66.766		
15,200.00	7,142.84	7,100.00	7,099.71	233.45	30.33	90.07	1,574.57	933.44	8,403.06	8,278.47	124.58	67.450		
15,300.00	7,143.08	7,100.00	7,099.71	236.27	30.33	90.07	1,574.57	933.44	8,496.42	8,371.72	124.70	68.134		
15,400.00	7,143.32	7,100.00	7,099.71	239.09	30.33	90.07	1,574.57	933.44	8,589.93	8,465.11	124.82	68.821		
15,500.00	7,143.56	7,100.00	7,099.71	241.91	30.33	90.07	1,574.57	933.44	8,683.58	8,558.66	124.93	69.509		
15,600.00	7,143.80	7,100.00	7,099.71	244.73	30.33	90.07	1,574.57	933.44	8,777.38	8,652.34	125.04	70.198		
15,700.00	7,144.04	7,100.00	7,099.71	247.56	30.33	90.07	1,574.57	933.44	8,871.31	8,746.17	125.14	70.888		
15,800.00	7,144.28	7,100.00	7,099.71	250.38	30.33	90.07	1,574.57	933.44	8,965.37	8,840.12	125.25	71.580		
15,900.00	7,144.52	7,100.00	7,099.71	253.21	30.33	90.07	1,574.57	933.44	9,059.56	8,934.21	125.35	72.273		
16,000.00	7,144.76	7,100.00	7,099.71	256.03	30.33	90.07	1,574.57	933.44	9,153.88	9,028.42	125.45	72.967		
16,100.00	7,145.00	7,100.00	7,099.71	258.86	30.33	90.07	1,574.57	933.44	9,248.31	9,122.76	125.55	73.662		
16,200.00	7,145.24	7,100.00	7,099.71	261.69	30.33	90.07	1,574.57	933.44	9,342.86	9,217.21	125.65	74.358		
16,300.00	7,145.48	7,100.00	7,099.71	264.52	30.33	90.07	1,574.57	933.44	9,437.52	9,311.78	125.74	75.056		
16,400.00	7,145.72	7,100.00	7,099.71	267.35	30.33	90.07	1,574.57	933.44	9,532.29	9,406.45	125.83	75.754		
16,500.00	7,145.96	7,100.00	7,099.71	270.18	30.33	90.07	1,574.57	933.44	9,627.16	9,501.24	125.92	76.453		
16,600.00	7,146.20	7,100.00	7,099.71	273.01	30.33	90.07	1,574.57	933.44	9,722.14	9,596.13	126.01	77.152		
16,700.00	7,146.44	7,100.00	7,099.71	275.84	30.33	90.07	1,574.57	933.44	9,817.22	9,691.12	126.10	77.853		
16,800.00	7,146.68	7,100.00	7,099.71	278.67	30.33	90.07	1,574.57	933.44	9,912.39	9,786.21	126.19	78.554		

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
Reference Well: Falken 34N-9C-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Falken 34N-9C-L
TVD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
MD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft (ASSU

Offset Depths are relative to Offset Datum

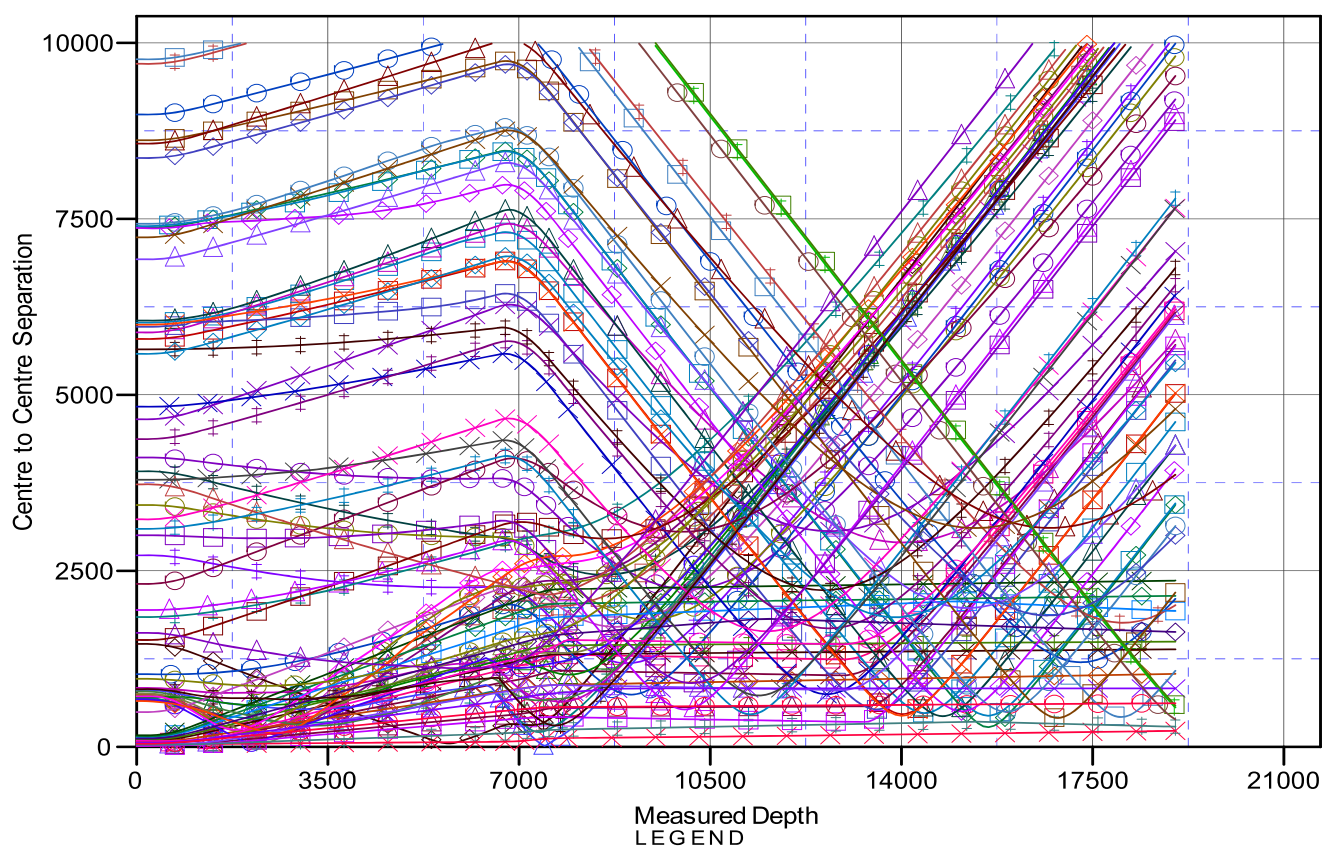
Central Meridian is -105.5000000

Coordinates are relative to: Falken 34N-9C-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Ladder Plot



Fagerberg 15N-7A-M, OH, OH V0
 CARLSON #14-2(S), OH, OH V0
 Falken 31N-14B-S, OH, Plan#1 V0
 Fagerberg 6C-7-M, OH, OH V0
 Falken 4N-14C-S, OH, Plan #1 V0
 ANDERSON #1-10-6-66(PA), OH, OH V0
 Harvesters Resources #15R-323(PR), OH, OH V0
 CARLSON #14-1(PR), OH, OH V0
 OTTOSON #3(PR), OH, OH V0
 Falken 33N-9A-L, OH, Plan#1 V0
 Montera #10-34(PR), OH, OH V0
 Fagerberg 36N-7B-M, OH, OH V0
 ANDERSON #42-10(PR), OH, OH V0
 SOUTHARD #2(PR), OH, OH V0
 MONTERA #14-8, OH, OH V0
 Harvesters Resources #15M-423(PR), OH, OH V0
 POP #14-17, OH, OH V0
 Fagerberg 25N-7C-M, OH, OH V0
 JOHNSTON #11-16G(TA), OH, OH V0
 Fagerberg 28N-18B-M, OH, OH V0
 Fagerberg 11C-7-M, OH, OH V0
 BLACKGOLD #5(PR), OH, OH V0
 Falken 33C-9-L, OH, Plan #1 V0
 Merr#6-66-9-0857BH(PR), OH, OH V0
 Falken 30C-14-S, OH, Plan#1 V0
 Falken 33N-9B-L, OH, Plan#1 V0
 Harvesters Resources #15U-203(PR), OH, OH V0
 JOHNSON #2(PA), OH, OH V0
 OPAL #1(PA), OH, OH V0
 Fagerberg 11N-7A-M, OH, OH V0
 Falken 30N-14B-S, OH, Plan#1 V0
 BLACKGOLD PETROLEUM #2(S), OH, OH V0
 Fagerberg 25N-7C-M, OH, OH V0
 Falken 9N-9C-L, OH, Plan #1 V0
 Falken 32N-9B-L, OH, Plan #1 V0
 Falken 32C-9-L, OH, Plan #1 V0
 KRISTY #1(PA), OH, OH V0
 Harvesters Resources #15R-243(PR), OH, OH V0
 Harvesters Resources #15R-403(PR), OH, OH V0
 Fagerberg 23N-7C-M, OH, OH V0
 Harvesters Resources #15U-443(PR), OH, OH V0
 Montera #19-33(PR), OH, OH V0
 Falken 4N-14A-S, OH, Plan#1 V0
 BLACKGOLD PETROLEUM #1(PR), OH, OH V0
 GILLESPIE #11-1(PA), OH, OH V0
 ANDERSON JANUARY #1(PR), OH, OH V0
 Fagerberg 6N-7C-M, OH, OH V0
 MONTERA #11-11(PR), OH, OH V0
 OTTOSON #2(PA), OH, OH V0
 MONTERA #11-14(PR), OH, OH V0
 Falken 33N-9C-L, OH, Plan #1 V0
 J.R. #1(PA), OH, OH V0
 146 COMPANY #14-1, OH, OH V0
 Merr#6-66-9-0857CH(PR), OH, OH V0
 Falken 16N-9B-L, OH, Plan#1 V0
 Falken 9C-9-L, OH, Plan #1 V0
 BLACKGOLD #3(PA), OH, OH V0
 Harvesters Resources #15M-303(PR), OH, OH V0
 Jeff #1, OH, OH V0
 CARLSON #10-1(PA), OH, OH V0
 Montera #10-43(S), OH, OH V0
 ANDERSON #32-10(PR), OH, OH V0
 JOHNSTON #1(PA), OH, OH V0
 MICHAEL #14-2, OH, OH V0
 OTTOSON #12-12(PR), OH, OH V0
 OTTOSON #12-25(PR), OH, OH V0
 Merr#6-66-9-0758CDH(PR), OH, OH V0
 SOUTH WOODS #10-3(PA), OH, OH V0
 Fagerberg 36C-7-M, OH, OH V0

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

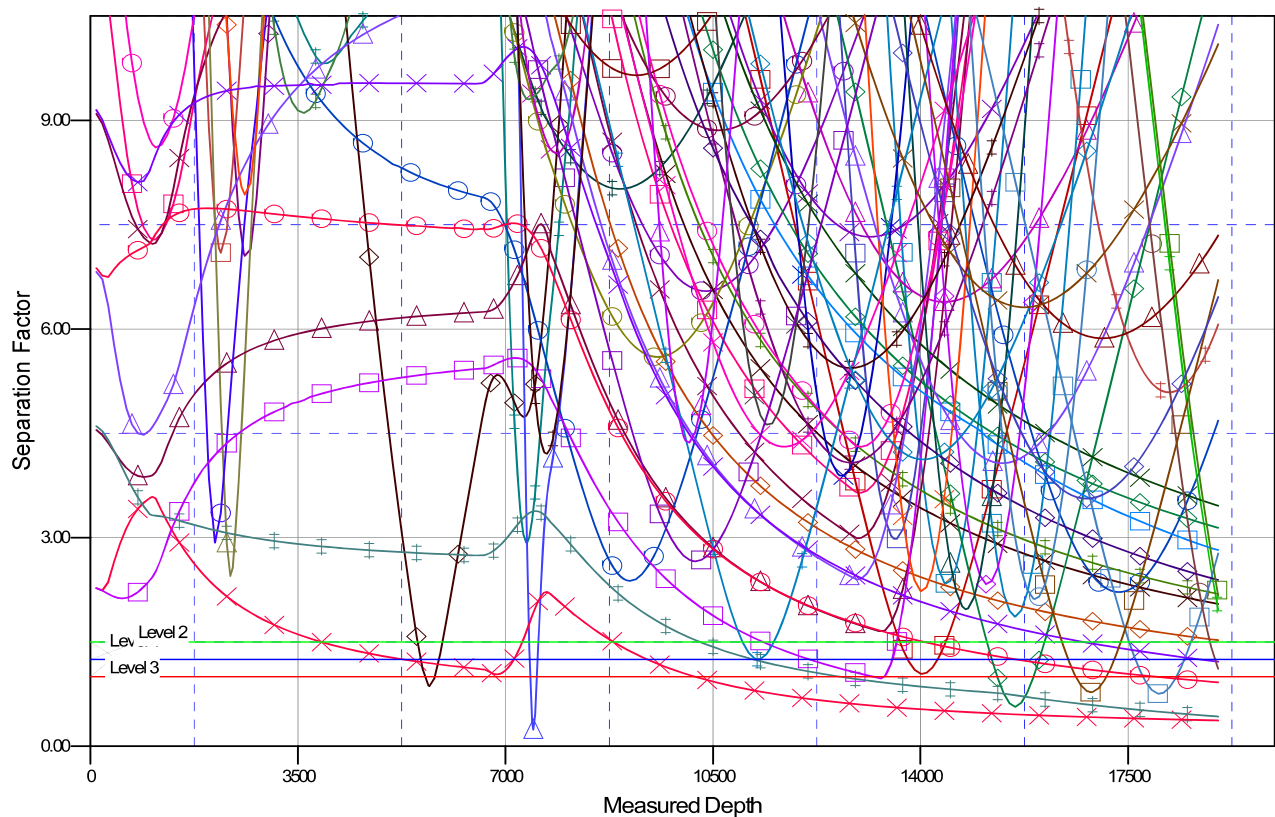
Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
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Well Error: 3.28 ft
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TVD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
MD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
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Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft (ASSU)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.5000000

Coordinates are relative to: Falken 34N-9C-L
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.49°

Separation Factor Plot



LEGEND

Fagerberg 15N-7A-M, OH, OH V0	Merrit#6-66-9-0857BH(PR), OH, OH V0	Fagerberg 6N-7C-M, OH, OH V0
CARLSON #14-2(S), OH, OH V0	Falken 30C-14-S, OH, Plan#1 V0	MONTERA #11-11(PR), OH, OH V0
Falken 31N-14B-S, OH, Plan#1 V0	Falken 33N-9B-L, OH, Plan#1 V0	OTTOSON #2(PA), OH, OH V0
Fagerberg 6C-7-M, OH, OH V0	Harvesters Resources #15U-203(PR), OH, OH V0	MONTERA #11-14(PR), OH, OH V0
Falken 4N-14C-S, OH, Plan#1 V0	JOHNSON #2(PA), OH, OH V0	Falken 33N-9C-L, OH, Plan#1 V0
ANDERSON #1-10-6-66(PA), OH, OH V0	OPAL #1(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
Harvesters Resources #15R-323(PR), OH, OH V0	Fagerberg 11N-7A-M, OH, OH V0	146 COMPANY #14-1, OH, OH V0
CARLSON #14-1(PR), OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Merrit#6-66-9-0857CH(PR), OH, OH V0
OTTOSON #3(PR), OH, OH V0	BLACK GOLD PETROLEUM #2(S), OH, OH V0	Falken 16N-9B-L, OH, Plan#1 V0
Falken 33N-9A-L, OH, Plan#1 V0	Fagerberg 25N-7C-M, OH, OH V0	Falken 9C-9-L, OH, Plan#1 V0
Montera #10-34(PR), OH, OH V0	Falken 9N-9C-L, OH, Plan#1 V0	BLACKGOLD #3(PA), OH, OH V0
Fagerberg 36N-7B-M, OH, OH V0	Falken 32N-9B-L, OH, Plan#1 V0	Harvesters Resources #15M-303(PR), OH, OH V0
ANDERSON #42-10(PR), OH, OH V0	Falken 32C-9-L, OH, Plan#1 V0	Jeff #1, OH, OH V0
SOUTHARD #42(PR), OH, OH V0	KRISTY #1(PA), OH, OH V0	CARLSON #10-1(PA), OH, OH V0
MONTERA #14-8, OH, OH V0	Harvesters Resources #15R-243(PR), OH, OH V0	Montera #10-43(S), OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0	Harvesters Resources #15R-403(PR), OH, OH V0	ANDERSON #32-10(PR), OH, OH V0
POP #14-17, OH, OH V0	Fagerberg 23N-7C-M, OH, OH V0	JOHNSON #1(PA), OH, OH V0
Fagerberg 25N(S)-7B-M, OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	MICHAEL #14-2, OH, OH V0
JOHNSON #11-16G(TA), OH, OH V0	Montera #10-33(PR), OH, OH V0	OTTOSON #12-12(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	Falken 4N-14A-S, OH, Plan#1 V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	Merrit#6-66-9-0758CDH(PR), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	GLESPIE #11-1(PA), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
Falken 33C-9-L, OH, Plan#1 V0	ANDERSON JANUARY #1(PR), OH, OH V0	Fagerberg 36C-7-M, OH, OH V0