



Synergy Resources Corporation

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

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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:	ISCSWA
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	18,906.22	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	12,349.93	7,103.18	4,220.43	3,816.52	10.449	CC
146 COMPANY #14-1 - OH - OH	12,500.00	7,103.47	4,223.09	3,815.08	10.350	ES
146 COMPANY #14-1 - OH - OH	13,200.00	7,104.82	4,305.18	3,880.81	10.145	SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,862.43	7,144.11	1,572.11	1,124.31	3.511	CC
ANDERSON #1-10-6-66(PA) - OH - OH	13,900.00	7,144.18	1,572.56	1,123.75	3.504	ES
ANDERSON #1-10-6-66(PA) - OH - OH	14,000.00	7,144.37	1,578.12	1,127.16	3.499	SF
ANDERSON #32-10(PR) - OH - OH	15,214.70	7,184.74	1,049.51	562.60	2.155	CC, ES
ANDERSON #32-10(PR) - OH - OH	15,300.00	7,184.91	1,052.98	563.24	2.150	SF
ANDERSON #42-10(PR) - OH - OH	13,936.72	7,172.25	863.00	412.12	1.914	CC, ES
ANDERSON #42-10(PR) - OH - OH	14,000.00	7,172.37	865.31	413.19	1.914	SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,559.98	7,162.58	313.82	-98.02	0.762	Level 1, CC, ES, SF
BLACK GOLD #5(PR) - OH - OH	17,211.39	7,180.67	788.20	245.19	1.452	Level 3, CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	17,970.57	7,163.16	1,540.38	976.55	2.732	CC
BLACK GOLD PETROLEUM #1(PR) - OH - OH	18,000.00	7,163.22	1,540.66	976.33	2.730	ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	17,948.24	7,177.62	200.06	-145.45	0.579	Level 1, CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	16,813.17	7,161.88	1,593.46	1,062.34	3.000	CC, ES
BLACKGOLD #3(PA) - OH - OH	16,900.00	7,162.05	1,595.82	1,063.46	2.998	SF
CARLSON #10-1(PA) - OH - OH	16,574.26	7,173.41	1,098.30	573.51	2.093	CC
CARLSON #10-1(PA) - OH - OH	16,600.00	7,173.46	1,098.60	572.81	2.089	ES, SF
CARLSON #14-1(PR) - OH - OH	0.00	0.00	2,854.30			
CARLSON #14-1(PR) - OH - OH	10,100.00	7,257.81	3,345.52	3,225.57	27.890	SF
CARLSON #14-2(SI) - OH - OH	9,857.16	7,105.66	4,157.86	3,822.02	12.380	CC
CARLSON #14-2(SI) - OH - OH	10,000.00	7,105.38	4,160.32	3,820.75	12.252	ES
CARLSON #14-2(SI) - OH - OH	10,900.00	7,103.64	4,286.65	3,926.04	11.887	SF
Fagerberg 11C-7-M - OH - OH	3,067.33	3,095.54	452.65	424.34	15.990	CC
Fagerberg 11C-7-M - OH - OH	3,100.00	3,124.21	452.84	424.25	15.835	ES
Fagerberg 11C-7-M - OH - OH	7,616.41	7,289.20	511.63	440.90	7.234	SF
Fagerberg 11N-7A-M - OH - OH	2,220.98	2,215.71	461.95	440.83	21.867	CC, ES
Fagerberg 11N-7A-M - OH - OH	7,084.02	7,499.76	645.89	575.80	9.216	SF
Fagerberg 15N-7A-M - OH - OH	1,009.77	948.06	727.16	716.67	69.296	CC, ES
Fagerberg 15N-7A-M - OH - OH	8,500.00	6,573.19	2,177.83	2,096.92	26.917	SF
Fagerberg 23N-7C-M - OH - OH	1,033.63	967.58	851.32	840.90	81.636	CC, ES
Fagerberg 23N-7C-M - OH - OH	7,700.00	7,156.73	1,177.17	1,105.80	16.494	SF
Fagerberg 25N(S)-7B-M - OH - OH	7,344.99	7,427.81	169.18	98.14	2.382	CC, ES, SF
Fagerberg 25N-7B-M - OH - OH	2,803.57	2,866.13	64.57	36.77	2.323	CC, ES, SF
Fagerberg 25N-7C-M - OH - OH	3,034.36	3,086.67	125.60	96.50	4.316	CC, ES
Fagerberg 25N-7C-M - OH - OH	3,100.00	3,147.35	127.81	98.13	4.306	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 9N-9C-L
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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 28N-18B-M - OH - OH	324.90	298.47	947.76	940.87	137.502	CC, ES
Fagerberg 28N-18B-M - OH - OH	9,000.00	6,979.00	2,796.45	2,701.10	29.328	SF
Fagerberg 36C-7-M - OH - OH	607.46	550.52	929.83	922.15	121.090	CC
Fagerberg 36C-7-M - OH - OH	700.00	629.93	930.06	921.95	114.641	ES
Fagerberg 36C-7-M - OH - OH	8,700.00	6,846.00	2,375.92	2,288.69	27.238	SF
Fagerberg 36N-7B-M - OH - OH	868.17	790.87	899.22	889.95	97.092	CC
Fagerberg 36N-7B-M - OH - OH	900.00	815.16	899.37	889.92	95.196	ES
Fagerberg 36N-7B-M - OH - OH	7,800.00	7,800.00	1,848.57	1,771.81	24.083	SF
Fagerberg 3C-18-M - OH - OH	100.00	88.01	802.89	799.41	230.860	CC, ES
Fagerberg 3C-18-M - OH - OH	9,200.00	6,506.79	3,146.29	3,050.25	32.760	SF
Fagerberg 6C-7-M - OH - OH	4,118.88	4,156.60	238.38	200.48	6.290	CC, ES
Fagerberg 6C-7-M - OH - OH	4,200.00	4,230.36	240.36	201.75	6.225	SF
Fagerberg 6N-7C-M - OH - OH	3,907.96	3,955.72	152.70	116.69	4.240	CC, ES, SF
Falken 16C-9-L - OH - Plan #1	200.00	200.00	89.99	83.31	13.483	CC, ES
Falken 16C-9-L - OH - Plan #1	18,906.26	19,048.42	1,322.43	640.22	1.938	SF
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	104.92	98.25	15.721	CC, ES
Falken 16N-9B-L - OH - Plan #1	18,906.26	18,887.00	1,646.43	963.90	2.412	SF
Falken 30C-14-S - OH - Plan #1	200.00	200.00	165.03	158.36	24.727	CC, ES
Falken 30C-14-S - OH - Plan #1	13,400.00	13,555.88	2,592.54	2,226.72	7.087	SF
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	150.10	143.43	22.490	CC, ES
Falken 30N-14B-S - OH - Plan #1	13,400.00	13,368.87	2,382.89	2,016.33	6.501	SF
Falken 31C-14-S - Plan #1 - Plan #1	200.00	200.00	225.15	218.48	33.735	CC, ES
Falken 31C-14-S - Plan #1 - Plan #1	13,200.00	13,480.77	3,493.88	3,145.64	10.033	SF
Falken 31N-14B-S - OH - Plan #1	200.00	200.00	210.21	203.54	31.497	CC, ES
Falken 31N-14B-S - OH - Plan #1	13,100.00	13,256.62	3,269.26	2,922.23	9.421	SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	29.87	23.20	4.476	CC
Falken 32C-9-L - OH - Plan #1	15,027.81	15,166.53	275.24	-151.86	0.644	Level 1, SF
Falken 32C-9-L - OH - Plan #1	18,906.26	19,040.84	444.48	-219.13	0.670	Level 1, ES
Falken 32N-9B-L - OH - Plan #1	320.79	320.74	14.68	7.73	2.113	CC
Falken 32N-9B-L - OH - Plan #1	15,900.00	15,853.85	109.42	-285.30	0.277	Level 1, SF
Falken 32N-9B-L - OH - Plan #1	18,906.26	18,857.04	229.70	-417.94	0.355	Level 1, ES
Falken 33C-9-L - OH - Plan #1	200.00	200.00	60.11	53.44	9.007	CC, ES
Falken 33C-9-L - OH - Plan #1	18,906.26	19,022.43	903.19	222.63	1.327	Level 3, SF
Falken 33N-9A-L - OH - Plan #1	200.00	200.00	45.17	38.50	6.768	CC
Falken 33N-9A-L - OH - Plan #1	18,906.26	18,707.40	584.11	-69.76	0.893	Level 1, ES, SF
Falken 33N-9B-L - OH - Plan #1	200.00	200.00	30.24	23.57	4.531	CC
Falken 33N-9B-L - OH - Plan #1	18,906.26	18,839.89	439.97	-238.14	0.649	Level 1, ES, SF
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	75.05	68.37	11.244	CC, ES
Falken 33N-9C-L - OH - Plan #1	18,906.26	18,917.04	1,098.04	413.81	1.605	SF
Falken 34C-9-L - OH - Plan #1	200.00	200.00	120.23	113.55	18.014	CC, ES
Falken 34C-9-L - OH - Plan #1	18,906.26	19,118.22	1,732.48	1,049.39	2.536	SF
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	135.16	128.48	20.251	CC, ES
Falken 34N-9C-L - OH - Plan #1	18,906.26	19,012.31	1,930.14	1,246.49	2.823	SF
Falken 4N-14A-S - OH - Plan #1	200.00	200.00	179.97	173.30	26.966	CC, ES
Falken 4N-14A-S - OH - Plan #1	13,000.00	13,002.01	2,813.25	2,468.64	8.164	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	194.91	188.23	29.204	CC, ES
Falken 4N-14C-S - OH - Plan #1	13,100.00	13,210.89	3,044.15	2,697.78	8.789	SF
Falken 9C-9-L - OH - Plan #1	200.00	200.00	14.93	8.26	2.237	CC
Falken 9C-9-L - OH - Plan #1	18,906.26	19,016.51	318.66	-330.11	0.491	Level 1, ES, SF
GILLESPIE #11-1(PA) - OH - OH	9,915.48	7,130.46	1,139.79	801.54	3.370	CC, ES
GILLESPIE #11-1(PA) - OH - OH	10,000.00	7,130.62	1,142.92	802.68	3.359	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,889.54	6,600.00	2,374.07	2,095.49	8.522	CC
Harvesters Resources #15M-303(PR) - OH - OH	15,900.00	6,600.00	2,374.10	2,095.30	8.516	ES

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
Reference Well: Falken 9N-9C-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Falken 9N-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

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						
Harvesters Resources #15M-303(PR) - OH - OH	16,100.00	6,600.00	2,383.38	2,101.39	8.452	SF
Harvesters Resources #15M-423(PR) - OH - OH	15,553.12	6,635.00	2,370.00	2,100.83	8.805	CC
Harvesters Resources #15M-423(PR) - OH - OH	15,600.00	6,635.00	2,370.46	2,100.34	8.776	ES
Harvesters Resources #15M-423(PR) - OH - OH	15,800.00	6,647.64	2,382.70	2,109.18	8.711	SF
Harvesters Resources #15R-243(PR) - OH - OH	15,078.86	6,574.00	2,418.58	2,163.25	9.472	CC
Harvesters Resources #15R-243(PR) - OH - OH	15,100.00	6,574.00	2,418.67	2,162.88	9.456	ES
Harvesters Resources #15R-403(PR) - OH - OH	15,400.00	6,583.26	2,439.76	2,179.03	9.357	SF
Harvesters Resources #15R-323(PR) - OH - OH	14,245.32	6,600.00	2,391.73	2,159.43	10.296	CC
Harvesters Resources #15R-323(PR) - OH - OH	14,300.00	6,600.00	2,392.36	2,158.62	10.235	ES
Harvesters Resources #15R-323(PR) - OH - OH	14,600.00	6,600.00	2,417.89	2,178.20	10.088	SF
Harvesters Resources #15R-403(PR) - OH - OH	14,576.00	6,700.00	2,382.15	2,135.36	9.653	CC
Harvesters Resources #15R-403(PR) - OH - OH	14,600.00	6,700.00	2,382.27	2,134.85	9.628	ES
Harvesters Resources #15R-403(PR) - OH - OH	14,900.00	6,700.00	2,403.44	2,149.93	9.481	SF
Harvesters Resources #15U-203(PR) - OH - OH	13,370.03	6,556.28	2,392.29	2,186.05	11.600	CC
Harvesters Resources #15U-203(PR) - OH - OH	13,400.00	6,556.26	2,392.48	2,185.40	11.553	ES
Harvesters Resources #15U-203(PR) - OH - OH	13,800.00	6,555.94	2,430.63	2,215.06	11.276	SF
Harvesters Resources #15U-443(PR) - OH - OH	13,830.93	6,661.61	2,366.90	2,147.34	10.780	CC
Harvesters Resources #15U-443(PR) - OH - OH	13,900.00	6,661.57	2,367.91	2,146.50	10.695	ES
Harvesters Resources #15U-443(PR) - OH - OH	14,200.00	6,661.40	2,395.50	2,167.98	10.529	SF
J.R. #1(PA) - OH - OH	8,493.61	7,037.70	1,085.71	785.89	3.621	CC
J.R. #1(PA) - OH - OH	8,500.00	7,037.71	1,085.72	785.77	3.620	ES
J.R. #1(PA) - OH - OH	8,600.00	7,037.90	1,090.91	788.93	3.613	SF
Jeff #1 - OH - OH	11,201.82	7,102.26	2,687.18	2,531.07	17.213	CC
Jeff #1 - OH - OH	11,300.00	7,102.69	2,688.98	2,530.22	16.938	ES
Jeff #1 - OH - OH	11,900.00	7,105.28	2,776.40	2,605.32	16.229	SF
JOHNSON #1(PA) - OH - OH	9,883.92	7,171.67	1,383.90	1,263.07	11.453	CC
JOHNSON #1(PA) - OH - OH	9,900.00	7,171.75	1,383.99	1,262.74	11.415	ES
JOHNSON #1(PA) - OH - OH	10,100.00	7,172.69	1,400.66	1,275.10	11.155	SF
JOHNSON #11-16G6(TA) - OH - OH	200.00	181.00	1,133.12	1,124.16	126.396	CC
JOHNSON #11-16G6(TA) - OH - OH	8,908.21	7,113.50	1,141.60	829.54	3.658	ES
JOHNSON #11-16G6(TA) - OH - OH	9,000.00	7,113.68	1,145.28	831.14	3.646	SF
JOHNSON #2(PA) - OH - OH	8,650.10	7,115.14	173.09	83.33	1.928	CC, ES, SF
KRISTY #1(PA) - OH - OH	12,443.53	7,111.20	2,743.51	2,552.89	14.392	CC
KRISTY #1(PA) - OH - OH	12,500.00	7,111.17	2,744.09	2,551.92	14.279	ES
KRISTY #1(PA) - OH - OH	13,000.00	7,110.97	2,799.38	2,596.51	13.799	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	18,906.26	10,344.80	504.66	378.83	4.011	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	18,906.26	10,411.23	238.49	118.31	1.985	CC, ES, SF
Merritt #6-66-9-0857BH(PR) - OH - OH	18,906.26	10,208.56	415.49	307.22	3.838	CC, ES, SF
MICHAEL I #14-2 - OH - OH	9,963.88	7,113.55	2,826.79	2,487.85	8.340	CC
MICHAEL I #14-2 - OH - OH	10,000.00	7,113.62	2,827.02	2,487.13	8.317	ES
MICHAEL I #14-2 - OH - OH	10,500.00	7,114.59	2,877.18	2,525.51	8.182	SF
Montera #10-33(PR) - OH - OH	15,112.18	7,161.54	92.28	-390.95	0.191	Level 1, CC, ES, SF
Montera #10-34(PR) - OH - OH	15,546.45	7,149.39	1,770.02	1,275.01	3.576	CC
Montera #10-34(PR) - OH - OH	15,600.00	7,149.50	1,770.83	1,274.86	3.570	ES, SF
Montera #10-43(SI) - OH - OH	13,767.41	7,151.92	193.53	-251.86	0.435	Level 1, CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,419.69	7,153.37	319.92	-59.89	0.842	Level 1, CC, ES, SF
MONTERA I #11-14(PR) - OH - OH	11,087.70	7,134.73	1,490.41	1,120.39	4.028	CC
MONTERA I #11-14(PR) - OH - OH	11,100.00	7,134.75	1,490.47	1,120.10	4.024	ES
MONTERA I #11-14(PR) - OH - OH	11,200.00	7,134.95	1,494.64	1,121.83	4.009	SF
MONTERA I #14-8 - OH - OH	200.00	178.00	4,049.53	4,040.65	456.023	CC
MONTERA I #14-8 - OH - OH	8,400.00	7,109.52	4,314.89	4,014.61	14.370	ES
MONTERA I #14-8 - OH - OH	9,600.00	7,111.84	4,500.05	4,173.53	13.782	SF
OPAL #1(PA) - OH - OH	12,603.58	7,179.67	1,066.29	652.63	2.578	CC, ES

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Offset Well - Wellbore - Design						
Falken 9-11 PAD						
OPAL #1(PA) - OH - OH	12,700.00	7,179.85	1,070.64	654.95	2.576	SF
OTTOSON #2(PA) - OH - OH	1,872.60	1,823.64	3,845.72	3,828.22	219.747	CC
OTTOSON #2(PA) - OH - OH	3,000.00	2,939.40	3,848.92	3,821.42	139.985	ES
OTTOSON #2(PA) - OH - OH	10,000.00	7,148.99	4,925.17	4,816.84	45.467	SF
OTTOSON #3(PR) - OH - OH	3,559.84	3,438.10	1,372.69	1,340.44	42.567	CC
OTTOSON #3(PR) - OH - OH	3,600.00	3,470.78	1,372.81	1,340.23	42.133	ES
OTTOSON #3(PR) - OH - OH	7,550.00	7,070.83	1,529.43	1,460.55	22.206	SF
OTTOSON I #12-12(PR) - OH - OH	5,097.56	4,962.63	116.60	70.39	2.523	CC
OTTOSON I #12-12(PR) - OH - OH	5,100.00	4,965.03	116.60	70.36	2.522	ES
OTTOSON I #12-12(PR) - OH - OH	5,200.00	5,063.89	118.35	71.05	2.502	SF
OTTOSON I #12-25(PR) - OH - OH	6,596.48	6,442.14	984.20	924.84	16.579	CC
OTTOSON I #12-25(PR) - OH - OH	6,600.00	6,445.68	984.21	924.81	16.571	ES
OTTOSON I #12-25(PR) - OH - OH	6,700.00	6,546.20	989.94	929.76	16.452	SF
POP I #14-17 - OH - OH	200.00	175.00	3,564.77	3,555.97	405.270	CC
POP I #14-17 - OH - OH	9,200.00	7,108.07	3,699.79	3,380.76	11.597	ES
POP I #14-17 - OH - OH	10,000.00	7,109.62	3,795.97	3,458.24	11.240	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,564.47	7,143.39	145.75	-377.72	0.278	Level 1, CC, ES, SF
SOUTHARD #2(PR) - OH - OH	7,297.03	7,020.46	1,194.86	1,128.65	18.045	CC
SOUTHARD #2(PR) - OH - OH	7,300.00	7,021.89	1,194.87	1,128.62	18.036	ES
SOUTHARD #2(PR) - OH - OH	7,500.00	7,088.81	1,211.27	1,142.90	17.716	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	-132.35	-3,866.74	-4,242.76	5,740.56					
100.00	100.00	64.00	64.00	3.28	3.47	-132.35	-3,866.74	-4,242.76	5,740.44	5,733.69	6.75	850.469		
200.00	200.00	164.00	164.00	3.34	5.16	-132.35	-3,866.74	-4,242.76	5,740.44	5,731.95	8.49	675.805		
300.00	299.98	263.98	263.98	3.44	8.16	147.65	-3,866.74	-4,242.76	5,741.92	5,730.32	11.60	494.922		
400.00	399.84	363.84	363.84	3.60	11.44	147.63	-3,866.74	-4,242.76	5,746.34	5,731.30	15.04	382.132		
500.00	499.45	463.45	463.45	3.81	14.80	147.60	-3,866.74	-4,242.76	5,753.71	5,735.10	18.61	309.200		
600.00	598.70	562.70	562.70	4.06	18.20	147.55	-3,866.74	-4,242.76	5,764.02	5,741.77	22.25	259.042		
700.00	697.47	661.47	661.47	4.34	21.60	147.49	-3,866.74	-4,242.76	5,777.26	5,751.32	25.94	222.743		
785.50	781.43	745.43	745.43	4.61	24.50	147.43	-3,866.74	-4,242.76	5,790.90	5,761.79	29.11	198.939		
800.00	795.63	759.63	759.63	4.66	24.99	147.44	-3,866.74	-4,242.76	5,793.40	5,763.75	29.65	195.389		
900.00	893.55	857.55	857.55	5.02	28.38	147.55	-3,866.74	-4,242.76	5,810.62	5,777.24	33.38	174.075		
1,000.00	991.47	955.47	955.47	5.40	31.78	147.66	-3,866.74	-4,242.76	5,827.86	5,790.72	37.14	156.929		
1,100.00	1,089.39	1,053.39	1,053.39	5.80	35.18	147.76	-3,866.74	-4,242.76	5,845.12	5,804.20	40.92	142.859		
1,200.00	1,187.31	1,151.31	1,151.31	6.21	38.59	147.87	-3,866.74	-4,242.76	5,862.39	5,817.68	44.71	131.118		
1,300.00	1,285.22	1,249.22	1,249.22	6.64	41.99	147.97	-3,866.74	-4,242.76	5,879.69	5,831.17	48.52	121.179		
1,400.00	1,383.14	1,347.14	1,347.14	7.08	45.40	148.07	-3,866.74	-4,242.76	5,897.01	5,844.67	52.34	112.664		
1,500.00	1,481.06	1,445.06	1,445.06	7.52	48.81	148.18	-3,866.74	-4,242.76	5,914.34	5,858.17	56.17	105.290		
1,600.00	1,578.98	1,542.98	1,542.98	7.98	52.22	148.28	-3,866.74	-4,242.76	5,931.70	5,871.69	60.01	98.845		
1,700.00	1,676.90	1,640.90	1,640.90	8.44	55.64	148.38	-3,866.74	-4,242.76	5,949.07	5,885.21	63.85	93.165		
1,800.00	1,774.82	1,738.82	1,738.82	8.90	59.05	148.48	-3,866.74	-4,242.76	5,966.46	5,898.76	67.71	88.124		
1,900.00	1,872.74	1,836.74	1,836.74	9.37	62.46	148.59	-3,866.74	-4,242.76	5,983.87	5,912.31	71.56	83.620		
2,000.00	1,970.66	1,934.66	1,934.66	9.84	65.88	148.69	-3,866.74	-4,242.76	6,001.30	5,925.88	75.42	79.573		
2,100.00	2,068.57	2,032.57	2,032.57	10.32	69.29	148.79	-3,866.74	-4,242.76	6,018.74	5,939.46	79.28	75.916		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
2,200.00	2,166.49	2,130.49	2,130.49	10.80	72.70	148.89	-3,866.74	-4,242.76	6,036.21	5,953.06	83.15	72.597		
2,300.00	2,264.41	2,228.41	2,228.41	11.28	76.12	148.98	-3,866.74	-4,242.76	6,053.69	5,966.67	87.01	69.571		
2,400.00	2,362.33	2,326.33	2,326.33	11.76	79.53	149.08	-3,866.74	-4,242.76	6,071.19	5,980.30	90.88	66.801		
2,500.00	2,460.25	2,424.25	2,424.25	12.24	82.95	149.18	-3,866.74	-4,242.76	6,088.70	5,993.95	94.76	64.256		
2,600.00	2,558.17	2,522.17	2,522.17	12.73	86.37	149.28	-3,866.74	-4,242.76	6,106.24	6,007.61	98.63	61.911		
2,700.00	2,656.09	2,620.09	2,620.09	13.22	89.78	149.37	-3,866.74	-4,242.76	6,123.79	6,021.28	102.51	59.741		
2,800.00	2,754.01	2,718.01	2,718.01	13.71	93.20	149.47	-3,866.74	-4,242.76	6,141.35	6,034.97	106.38	57.729		
2,900.00	2,851.92	2,815.92	2,815.92	14.20	96.61	149.56	-3,866.74	-4,242.76	6,158.94	6,048.68	110.26	55.858		
3,000.00	2,949.84	2,913.84	2,913.84	14.69	100.03	149.66	-3,866.74	-4,242.76	6,176.54	6,062.40	114.14	54.114		
3,100.00	3,047.76	3,011.76	3,011.76	15.18	103.45	149.75	-3,866.74	-4,242.76	6,194.15	6,076.14	118.02	52.485		
3,200.00	3,145.68	3,109.68	3,109.68	15.67	106.86	149.85	-3,866.74	-4,242.76	6,211.79	6,089.89	121.90	50.958		
3,300.00	3,243.60	3,207.60	3,207.60	16.17	110.28	149.94	-3,866.74	-4,242.76	6,229.44	6,103.66	125.78	49.526		
3,400.00	3,341.52	3,305.52	3,305.52	16.66	113.70	150.03	-3,866.74	-4,242.76	6,247.10	6,117.44	129.66	48.179		
3,500.00	3,439.44	3,403.44	3,403.44	17.16	117.11	150.13	-3,866.74	-4,242.76	6,264.79	6,131.24	133.55	46.911		
3,600.00	3,537.36	3,501.36	3,501.36	17.65	120.53	150.22	-3,866.74	-4,242.76	6,282.48	6,145.05	137.43	45.714		
3,700.00	3,635.27	3,600.73	3,599.27	18.15	124.00	150.31	-3,866.74	-4,242.76	6,300.20	6,158.83	141.36	44.567		
3,800.00	3,733.19	3,702.81	3,697.19	18.65	127.56	150.40	-3,866.74	-4,242.76	6,317.92	6,172.53	145.39	43.454		
3,900.00	3,831.11	3,804.89	3,795.11	19.14	131.12	150.49	-3,866.74	-4,242.76	6,335.67	6,186.24	149.42	42.401		
4,000.00	3,929.03	3,906.97	3,893.03	19.64	134.69	150.58	-3,866.74	-4,242.76	6,353.43	6,199.97	153.45	41.403		
4,100.00	4,026.95	4,009.05	3,990.95	20.14	138.25	150.67	-3,866.74	-4,242.76	6,371.20	6,213.72	157.49	40.456		
4,200.00	4,124.87	4,088.87	4,088.87	20.64	141.04	150.76	-3,866.74	-4,242.76	6,388.99	6,228.25	160.74	39.748		
4,300.00	4,222.79	4,186.79	4,186.79	21.14	144.45	150.85	-3,866.74	-4,242.76	6,406.80	6,242.17	164.63	38.917		
4,400.00	4,320.71	4,284.71	4,284.71	21.64	147.87	150.93	-3,866.74	-4,242.76	6,424.62	6,256.10	168.51	38.126		
4,500.00	4,418.62	4,382.62	4,382.62	22.14	151.29	151.02	-3,866.74	-4,242.76	6,442.45	6,270.05	172.40	37.369		
4,600.00	4,516.54	4,480.54	4,480.54	22.64	154.71	151.11	-3,866.74	-4,242.76	6,460.30	6,284.01	176.29	36.647		
4,700.00	4,614.46	4,578.46	4,578.46	23.14	158.12	151.19	-3,866.74	-4,242.76	6,478.16	6,297.99	180.17	35.955		
4,800.00	4,712.38	4,676.38	4,676.38	23.64	161.54	151.28	-3,866.74	-4,242.76	6,496.04	6,311.98	184.06	35.293		
4,900.00	4,810.30	4,774.30	4,774.30	24.14	164.96	151.37	-3,866.74	-4,242.76	6,513.93	6,325.98	187.95	34.658		
5,000.00	4,908.22	4,872.22	4,872.22	24.64	168.38	151.45	-3,866.74	-4,242.76	6,531.83	6,340.00	191.84	34.049		
5,100.00	5,006.14	4,970.14	4,970.14	25.14	171.79	151.53	-3,866.74	-4,242.76	6,549.75	6,354.03	195.72	33.464		
5,200.00	5,104.06	5,068.06	5,068.06	25.64	175.21	151.62	-3,866.74	-4,242.76	6,567.69	6,368.08	199.61	32.902		
5,300.00	5,201.97	5,165.97	5,165.97	26.14	178.63	151.70	-3,866.74	-4,242.76	6,585.63	6,382.13	203.50	32.362		
5,400.00	5,299.89	5,263.89	5,263.89	26.64	182.05	151.79	-3,866.74	-4,242.76	6,603.59	6,396.21	207.39	31.842		
5,500.00	5,397.81	5,361.81	5,361.81	27.15	185.46	151.87	-3,866.74	-4,242.76	6,621.57	6,410.29	211.28	31.341		
5,600.00	5,495.73	5,459.73	5,459.73	27.65	188.88	151.95	-3,866.74	-4,242.76	6,639.56	6,424.39	215.16	30.858		
5,700.00	5,593.65	5,557.65	5,557.65	28.15	192.30	152.03	-3,866.74	-4,242.76	6,657.56	6,438.50	219.05	30.393		
5,800.00	5,691.57	5,655.57	5,655.57	28.65	195.72	152.11	-3,866.74	-4,242.76	6,675.57	6,452.63	222.94	29.943		
5,900.00	5,789.49	5,753.49	5,753.49	29.15	199.14	152.19	-3,866.74	-4,242.76	6,693.60	6,466.77	226.83	29.509		
6,000.00	5,887.41	5,851.41	5,851.41	29.66	202.55	152.27	-3,866.74	-4,242.76	6,711.64	6,480.92	230.72	29.090		
6,100.00	5,985.32	5,949.32	5,949.32	30.16	205.97	152.35	-3,866.74	-4,242.76	6,729.69	6,495.08	234.61	28.685		
6,200.00	6,083.24	6,047.24	6,047.24	30.66	209.39	152.43	-3,866.74	-4,242.76	6,747.75	6,509.26	238.50	28.293		
6,300.00	6,181.16	6,145.16	6,145.16	31.16	212.81	152.51	-3,866.74	-4,242.76	6,765.83	6,523.45	242.38	27.914		
6,400.00	6,279.08	6,243.08	6,243.08	31.67	216.23	152.59	-3,866.74	-4,242.76	6,783.92	6,537.65	246.27	27.546		
6,490.03	6,367.24	6,331.24	6,331.24	32.12	219.30	152.66	-3,866.74	-4,242.76	6,800.22	6,550.45	249.77	27.225		
6,500.00	6,377.01	6,341.01	6,341.01	32.17	219.64	153.70	-3,866.74	-4,242.76	6,801.97	6,551.80	250.16	27.190		
6,550.00	6,426.43	6,409.57	6,390.43	32.40	222.04	162.53	-3,866.74	-4,242.76	6,808.90	6,556.12	252.78	26.936		
6,600.00	6,476.27	6,440.27	6,440.27	32.61	223.11	-162.59	-3,866.74	-4,242.76	6,812.77	6,558.71	254.06	26.816		
6,650.00	6,526.21	6,509.79	6,490.21	32.80	225.54	-76.33	-3,866.74	-4,242.76	6,813.55	6,556.87	256.68	26.545		
6,700.00	6,575.96	6,539.96	6,539.96	32.98	226.59	-55.45	-3,866.74	-4,242.76	6,811.24	6,553.33	257.90	26.410		
6,750.00	6,625.19	6,589.19	6,589.19	33.16	228.31	-49.52	-3,866.74	-4,242.76	6,805.85	6,546.06	259.79	26.197		
6,800.00	6,673.62	6,637.62	6,637.62	33.35	230.00	-47.16	-3,866.74	-4,242.76	6,797.44	6,535.80	261.64	25.980		
6,850.00	6,720.94	6,684.94	6,684.94	33.55	231.65	-46.25	-3,866.74	-4,242.76	6,786.05	6,522.60	263.45	25.759		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
6,900.00	6,766.86	6,730.86	6,730.86	33.76	233.25	-46.16	-3,866.74	-4,242.76	6,771.77	6,506.57	265.20	25.535		
6,950.00	6,811.10	6,775.10	6,775.10	33.98	234.80	-46.63	-3,866.74	-4,242.76	6,754.70	6,487.82	266.89	25.309		
7,000.00	6,853.38	6,817.38	6,817.38	34.23	236.27	-47.56	-3,866.74	-4,242.76	6,734.97	6,466.46	268.51	25.083		
7,050.00	6,893.45	6,857.45	6,857.45	34.50	237.67	-48.89	-3,866.74	-4,242.76	6,712.70	6,442.65	270.05	24.857		
7,100.00	6,931.05	6,904.95	6,895.05	34.79	239.33	-50.60	-3,866.74	-4,242.76	6,688.06	6,416.20	271.86	24.601		
7,150.00	6,965.96	6,929.96	6,929.96	35.12	240.20	-52.69	-3,866.74	-4,242.76	6,661.22	6,388.32	272.89	24.409		
7,200.00	6,997.96	6,961.96	6,961.96	35.47	241.32	-55.18	-3,866.74	-4,242.76	6,632.35	6,358.17	274.18	24.190		
7,250.00	7,026.85	7,009.16	6,990.85	35.86	242.97	-58.06	-3,866.74	-4,242.76	6,601.66	6,325.64	276.01	23.918		
7,300.00	7,052.45	7,016.45	7,016.45	36.29	243.22	-61.35	-3,866.74	-4,242.76	6,569.35	6,292.88	276.47	23.761		
7,350.00	7,074.61	7,038.61	7,038.61	36.76	243.99	-65.04	-3,866.74	-4,242.76	6,535.64	6,258.17	277.47	23.554		
7,400.00	7,093.19	7,057.19	7,057.19	37.27	244.64	-69.11	-3,866.74	-4,242.76	6,500.74	6,222.38	278.37	23.353		
7,450.00	7,108.07	7,072.07	7,072.07	37.81	245.16	-73.54	-3,866.74	-4,242.76	6,464.90	6,185.75	279.16	23.159		
7,500.00	7,119.17	7,083.17	7,083.17	38.39	245.55	-78.26	-3,866.74	-4,242.76	6,428.35	6,148.50	279.84	22.971		
7,550.00	7,126.41	7,109.59	7,090.41	38.99	246.47	-83.19	-3,866.74	-4,242.76	6,391.31	6,110.22	281.09	22.738		
7,600.00	7,129.75	7,106.25	7,093.75	39.62	246.36	-88.22	-3,866.74	-4,242.76	6,354.03	6,072.71	281.32	22.586		
7,616.41	7,130.00	7,106.00	7,094.00	39.83	246.35	-89.88	-3,866.74	-4,242.76	6,341.78	6,060.35	281.43	22.534		
7,700.00	7,130.16	7,105.84	7,094.16	40.97	246.34	-89.88	-3,866.74	-4,242.76	6,279.63	5,997.55	282.08	22.262		
7,800.00	7,130.35	7,105.65	7,094.35	42.46	246.33	-89.88	-3,866.74	-4,242.76	6,205.95	5,922.98	282.96	21.932		
7,900.00	7,130.55	7,105.45	7,094.55	44.09	246.33	-89.88	-3,866.74	-4,242.76	6,133.01	5,849.04	283.97	21.597		
8,000.00	7,130.74	7,105.26	7,094.74	45.84	246.32	-89.89	-3,866.74	-4,242.76	6,060.84	5,775.74	285.10	21.258		
8,100.00	7,130.94	7,105.06	7,094.94	47.70	246.31	-89.89	-3,866.74	-4,242.76	5,989.48	5,703.13	286.35	20.916		
8,200.00	7,131.13	7,104.87	7,095.13	49.65	246.31	-89.89	-3,866.74	-4,242.76	5,918.94	5,631.22	287.72	20.572		
8,300.00	7,131.32	7,104.68	7,095.32	51.70	246.30	-89.89	-3,866.74	-4,242.76	5,849.26	5,560.06	289.20	20.226		
8,400.00	7,131.52	7,104.48	7,095.52	53.81	246.29	-89.90	-3,866.74	-4,242.76	5,780.48	5,489.68	290.79	19.878		
8,500.00	7,131.71	7,104.29	7,095.71	55.99	246.29	-89.90	-3,866.74	-4,242.76	5,712.61	5,420.11	292.50	19.531		
8,600.00	7,131.90	7,104.10	7,095.90	58.24	246.28	-89.90	-3,866.74	-4,242.76	5,645.70	5,351.40	294.30	19.183		
8,700.00	7,132.10	7,103.90	7,096.10	60.53	246.27	-89.90	-3,866.74	-4,242.76	5,579.78	5,283.57	296.21	18.837		
8,800.00	7,132.29	7,103.71	7,096.29	62.87	246.27	-89.91	-3,866.74	-4,242.76	5,514.89	5,216.66	298.22	18.492		
8,900.00	7,132.49	7,103.51	7,096.49	65.25	246.26	-89.91	-3,866.74	-4,242.76	5,451.05	5,150.72	300.33	18.150		
9,000.00	7,132.68	7,103.32	7,096.68	67.68	246.25	-89.91	-3,866.74	-4,242.76	5,388.32	5,085.79	302.53	17.811		
9,100.00	7,132.87	7,103.13	7,096.87	70.13	246.25	-89.91	-3,866.74	-4,242.76	5,326.73	5,021.91	304.82	17.475		
9,200.00	7,133.07	7,102.93	7,097.07	72.61	246.24	-89.92	-3,866.74	-4,242.76	5,266.31	4,959.12	307.19	17.143		
9,300.00	7,133.26	7,102.74	7,097.26	75.13	246.23	-89.92	-3,866.74	-4,242.76	5,207.11	4,897.46	309.65	16.816		
9,400.00	7,133.46	7,102.54	7,097.46	77.66	246.23	-89.92	-3,866.74	-4,242.76	5,149.18	4,836.98	312.20	16.493		
9,500.00	7,133.65	7,102.35	7,097.65	80.22	246.22	-89.92	-3,866.74	-4,242.76	5,092.55	4,777.73	314.82	16.176		
9,600.00	7,133.84	7,102.16	7,097.84	82.80	246.21	-89.93	-3,866.74	-4,242.76	5,037.27	4,719.76	317.51	15.865		
9,700.00	7,134.04	7,101.96	7,098.04	85.40	246.21	-89.93	-3,866.74	-4,242.76	4,983.38	4,663.11	320.28	15.560		
9,800.00	7,134.23	7,101.77	7,098.23	88.01	246.20	-89.93	-3,866.74	-4,242.76	4,930.94	4,607.82	323.11	15.261		
9,900.00	7,134.43	7,101.57	7,098.43	90.64	246.19	-89.94	-3,866.74	-4,242.76	4,879.97	4,553.96	326.01	14.969		
10,000.00	7,134.62	7,101.38	7,098.62	93.28	246.19	-89.94	-3,866.74	-4,242.76	4,830.54	4,501.57	328.97	14.684		
10,100.00	7,134.81	7,101.19	7,098.81	95.94	246.18	-89.94	-3,866.74	-4,242.76	4,782.69	4,450.70	331.99	14.406		
10,200.00	7,135.01	7,100.99	7,099.01	98.61	246.17	-89.94	-3,866.74	-4,242.76	4,736.47	4,401.41	335.07	14.136		
10,300.00	7,135.20	7,100.80	7,099.20	101.28	246.17	-89.95	-3,866.74	-4,242.76	4,691.93	4,353.74	338.19	13.874		
10,400.00	7,135.39	7,100.61	7,099.39	103.97	246.16	-89.95	-3,866.74	-4,242.76	4,649.11	4,307.76	341.35	13.620		
10,500.00	7,135.59	7,100.41	7,099.59	106.67	246.15	-89.95	-3,866.74	-4,242.76	4,608.06	4,263.50	344.56	13.374		
10,600.00	7,135.78	7,100.22	7,099.78	109.38	246.15	-89.95	-3,866.74	-4,242.76	4,568.83	4,221.03	347.80	13.136		
10,700.00	7,135.98	7,100.02	7,099.98	112.09	246.14	-89.96	-3,866.74	-4,242.76	4,531.47	4,180.40	351.07	12.908		
10,800.00	7,136.17	7,100.17	7,100.17	114.81	246.14	-89.96	-3,866.74	-4,242.76	4,496.03	4,141.65	354.38	12.687		
10,900.00	7,136.36	7,100.36	7,100.36	117.54	246.15	-89.96	-3,866.74	-4,242.76	4,462.54	4,104.84	357.70	12.476		
11,000.00	7,136.56	7,100.56	7,100.56	120.28	246.16	-89.96	-3,866.74	-4,242.76	4,431.06	4,070.02	361.04	12.273		
11,100.00	7,136.75	7,100.75	7,100.75	123.02	246.16	-89.97	-3,866.74	-4,242.76	4,401.63	4,037.24	364.39	12.080		
11,200.00	7,136.95	7,100.95	7,100.95	125.76	246.17	-89.97	-3,866.74	-4,242.76	4,374.28	4,006.55	367.73	11.895		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
11,300.00	7,137.14	7,101.14	7,101.14	128.52	246.18	-89.97	-3,866.74	-4,242.76	4,349.06	3,978.00	371.06	11.720		
11,400.00	7,137.33	7,101.33	7,101.33	131.27	246.18	-89.97	-3,866.74	-4,242.76	4,326.01	3,951.62	374.39	11.555		
11,500.00	7,137.53	7,101.53	7,101.53	134.03	246.19	-89.98	-3,866.74	-4,242.76	4,305.16	3,927.47	377.69	11.399		
11,600.00	7,137.72	7,101.72	7,101.72	136.80	246.20	-89.98	-3,866.74	-4,242.76	4,286.54	3,905.58	380.96	11.252		
11,700.00	7,137.92	7,101.92	7,101.92	139.57	246.20	-89.98	-3,866.74	-4,242.76	4,270.18	3,885.98	384.19	11.115		
11,800.00	7,138.11	7,102.11	7,102.11	142.34	246.21	-89.99	-3,866.74	-4,242.76	4,256.10	3,868.72	387.39	10.987		
11,900.00	7,138.30	7,102.30	7,102.30	145.12	246.22	-89.99	-3,866.74	-4,242.76	4,244.34	3,853.81	390.53	10.868		
12,000.00	7,138.50	7,102.50	7,102.50	147.90	246.23	-89.99	-3,866.74	-4,242.76	4,234.91	3,841.29	393.62	10.759		
12,100.00	7,138.69	7,102.69	7,102.69	150.68	246.23	-89.99	-3,866.74	-4,242.76	4,227.82	3,831.17	396.65	10.659		
12,200.00	7,138.88	7,102.88	7,102.88	153.47	246.24	-90.00	-3,866.74	-4,242.76	4,223.09	3,823.48	399.61	10.568		
12,300.00	7,139.08	7,103.08	7,103.08	156.26	246.25	-90.00	-3,866.74	-4,242.76	4,220.72	3,818.23	402.49	10.487		
12,349.93	7,139.18	7,103.18	7,103.18	157.65	246.25	-90.00	-3,866.74	-4,242.76	4,220.43	3,816.52	403.90	10.449 CC		
12,400.00	7,139.27	7,103.27	7,103.27	159.05	246.25	-90.00	-3,866.74	-4,242.76	4,220.72	3,815.43	405.29	10.414		
12,500.00	7,139.47	7,103.47	7,103.47	161.85	246.26	-90.00	-3,866.74	-4,242.76	4,223.09	3,815.08	408.02	10.350 ES		
12,600.00	7,139.66	7,103.66	7,103.66	164.64	246.27	-90.01	-3,866.74	-4,242.76	4,227.83	3,817.18	410.65	10.296		
12,700.00	7,139.85	7,103.85	7,103.85	167.44	246.27	-90.01	-3,866.74	-4,242.76	4,234.92	3,821.74	413.18	10.249		
12,800.00	7,140.05	7,104.05	7,104.05	170.24	246.28	-90.01	-3,866.74	-4,242.76	4,244.36	3,828.73	415.63	10.212		
12,900.00	7,140.24	7,104.24	7,104.24	173.05	246.29	-90.01	-3,866.74	-4,242.76	4,256.12	3,838.15	417.97	10.183		
13,000.00	7,140.44	7,104.44	7,104.44	175.85	246.29	-90.02	-3,866.74	-4,242.76	4,270.20	3,849.99	420.21	10.162		
13,100.00	7,140.63	7,104.63	7,104.63	178.66	246.30	-90.02	-3,866.74	-4,242.76	4,286.56	3,864.22	422.34	10.150		
13,200.00	7,140.82	7,104.82	7,104.82	181.47	246.31	-90.02	-3,866.74	-4,242.76	4,305.18	3,880.81	424.37	10.145 SF		
13,300.00	7,141.02	7,105.02	7,105.02	184.28	246.31	-90.03	-3,866.74	-4,242.76	4,326.04	3,899.74	426.30	10.148		
13,400.00	7,141.21	7,105.21	7,105.21	187.10	246.32	-90.03	-3,866.74	-4,242.76	4,349.10	3,920.98	428.11	10.159		
13,500.00	7,141.41	7,105.41	7,105.41	189.91	246.33	-90.03	-3,866.74	-4,242.76	4,374.32	3,944.49	429.83	10.177		
13,600.00	7,141.60	7,105.60	7,105.60	192.73	246.33	-90.03	-3,866.74	-4,242.76	4,401.67	3,970.23	431.43	10.202		
13,700.00	7,141.79	7,105.79	7,105.79	195.54	246.34	-90.04	-3,866.74	-4,242.76	4,431.10	3,998.17	432.94	10.235		
13,800.00	7,141.99	7,105.99	7,105.99	198.36	246.35	-90.04	-3,866.74	-4,242.76	4,462.59	4,028.25	434.34	10.275		
13,900.00	7,142.18	7,106.18	7,106.18	201.18	246.35	-90.04	-3,866.74	-4,242.76	4,496.08	4,060.44	435.64	10.321		
14,000.00	7,142.37	7,106.37	7,106.37	204.01	246.36	-90.04	-3,866.74	-4,242.76	4,531.52	4,094.69	436.84	10.374		
14,100.00	7,142.57	7,106.57	7,106.57	206.83	246.37	-90.05	-3,866.74	-4,242.76	4,568.89	4,130.94	437.94	10.433		
14,200.00	7,142.76	7,106.76	7,106.76	209.65	246.37	-90.05	-3,866.74	-4,242.76	4,608.12	4,169.16	438.95	10.498		
14,300.00	7,142.96	7,106.96	7,106.96	212.48	246.38	-90.05	-3,866.74	-4,242.76	4,649.17	4,209.29	439.88	10.569		
14,400.00	7,143.15	7,107.15	7,107.15	215.30	246.39	-90.05	-3,866.74	-4,242.76	4,691.99	4,251.27	440.71	10.646		
14,500.00	7,143.34	7,107.34	7,107.34	218.13	246.39	-90.06	-3,866.74	-4,242.76	4,736.54	4,295.07	441.47	10.729		
14,600.00	7,143.54	7,107.54	7,107.54	220.96	246.40	-90.06	-3,866.74	-4,242.76	4,782.76	4,340.62	442.14	10.817		
14,700.00	7,143.73	7,107.73	7,107.73	223.79	246.41	-90.06	-3,866.74	-4,242.76	4,830.61	4,387.87	442.74	10.911		
14,800.00	7,143.93	7,107.93	7,107.93	226.62	246.41	-90.06	-3,866.74	-4,242.76	4,880.04	4,436.78	443.26	11.009		
14,838.32	7,144.00	7,108.00	7,108.00	227.70	246.42	-90.07	-3,866.74	-4,242.76	4,899.39	4,455.95	443.44	11.049		
14,900.00	7,144.12	7,108.12	7,108.12	229.45	246.42	-90.06	-3,866.74	-4,242.76	4,930.44	4,486.72	443.71	11.112		
15,000.00	7,144.32	7,108.32	7,108.32	232.26	246.43	-90.06	-3,866.74	-4,242.76	4,979.55	4,535.45	444.10	11.213		
15,027.81	7,144.37	7,108.37	7,108.37	233.04	246.43	-90.06	-3,866.74	-4,242.76	4,992.94	4,548.74	444.19	11.240		
15,100.00	7,144.51	7,108.51	7,108.51	235.07	246.43	-90.06	-3,866.74	-4,242.76	5,027.94	4,583.53	444.41	11.314		
15,200.00	7,144.71	7,108.71	7,108.71	237.87	246.44	-90.07	-3,866.74	-4,242.76	5,077.72	4,633.06	444.67	11.419		
15,300.00	7,144.91	7,108.91	7,108.91	240.68	246.45	-90.07	-3,866.74	-4,242.76	5,128.98	4,684.11	444.86	11.529		
15,400.00	7,145.10	7,109.10	7,109.10	243.48	246.46	-90.07	-3,866.74	-4,242.76	5,181.65	4,736.65	445.00	11.644		
15,500.00	7,145.30	7,109.30	7,109.30	246.29	246.46	-90.07	-3,866.74	-4,242.76	5,235.70	4,790.62	445.08	11.763		
15,600.00	7,145.50	7,109.50	7,109.50	249.10	246.47	-90.08	-3,866.74	-4,242.76	5,291.10	4,845.98	445.12	11.887		
15,700.00	7,145.69	7,109.69	7,109.69	251.91	246.48	-90.08	-3,866.74	-4,242.76	5,347.79	4,902.68	445.11	12.015		
15,800.00	7,145.89	7,109.89	7,109.89	254.71	246.48	-90.08	-3,866.74	-4,242.76	5,405.73	4,960.68	445.05	12.146		
15,900.00	7,146.09	7,110.09	7,110.09	257.52	246.49	-90.08	-3,866.74	-4,242.76	5,464.89	5,019.93	444.96	12.282		
16,000.00	7,146.28	7,110.28	7,110.28	260.34	246.50	-90.09	-3,866.74	-4,242.76	5,525.23	5,080.40	444.83	12.421		
16,100.00	7,146.48	7,110.48	7,110.48	263.15	246.50	-90.09	-3,866.74	-4,242.76	5,586.70	5,142.05	444.66	12.564		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
16,200.00	7,146.68	7,110.68	7,110.68	265.96	246.51	-90.09	-3,866.74	-4,242.76	5,649.28	5,204.82	444.45	12.711		
16,300.00	7,146.87	7,110.87	7,110.87	268.77	246.52	-90.09	-3,866.74	-4,242.76	5,712.92	5,268.70	444.22	12.861		
16,400.00	7,147.07	7,111.07	7,111.07	271.58	246.52	-90.10	-3,866.74	-4,242.76	5,777.59	5,333.63	443.96	13.014		
16,500.00	7,147.27	7,111.27	7,111.27	274.40	246.53	-90.10	-3,866.74	-4,242.76	5,843.26	5,399.58	443.67	13.170		
16,600.00	7,147.46	7,111.46	7,111.46	277.21	246.54	-90.10	-3,866.74	-4,242.76	5,909.89	5,466.52	443.36	13.330		
16,700.00	7,147.66	7,111.66	7,111.66	280.03	246.54	-90.10	-3,866.74	-4,242.76	5,977.45	5,534.41	443.03	13.492		
16,800.00	7,147.86	7,111.86	7,111.86	282.84	246.55	-90.11	-3,866.74	-4,242.76	6,045.90	5,603.22	442.68	13.658		
16,900.00	7,148.05	7,112.05	7,112.05	285.66	246.56	-90.11	-3,866.74	-4,242.76	6,115.23	5,672.92	442.31	13.826		
17,000.00	7,148.25	7,112.25	7,112.25	288.48	246.57	-90.11	-3,866.74	-4,242.76	6,185.40	5,743.48	441.92	13.997		
17,100.00	7,148.45	7,112.45	7,112.45	291.29	246.57	-90.11	-3,866.74	-4,242.76	6,256.38	5,814.86	441.52	14.170		
17,200.00	7,148.64	7,112.64	7,112.64	294.11	246.58	-90.12	-3,866.74	-4,242.76	6,328.14	5,887.03	441.11	14.346		
17,300.00	7,148.84	7,112.84	7,112.84	296.93	246.59	-90.12	-3,866.74	-4,242.76	6,400.66	5,959.98	440.68	14.525		
17,400.00	7,149.04	7,113.04	7,113.04	299.75	246.59	-90.12	-3,866.74	-4,242.76	6,473.92	6,033.67	440.24	14.705		
17,500.00	7,149.23	7,113.23	7,113.23	302.57	246.60	-90.13	-3,866.74	-4,242.76	6,547.88	6,108.08	439.80	14.888		
17,600.00	7,149.43	7,113.43	7,113.43	305.39	246.61	-90.13	-3,866.74	-4,242.76	6,622.52	6,183.18	439.34	15.074		
17,700.00	7,149.63	7,113.63	7,113.63	308.21	246.61	-90.13	-3,866.74	-4,242.76	6,697.83	6,258.95	438.88	15.261		
17,800.00	7,149.82	7,113.82	7,113.82	311.03	246.62	-90.13	-3,866.74	-4,242.76	6,773.77	6,335.36	438.41	15.451		
17,900.00	7,150.02	7,114.02	7,114.02	313.85	246.63	-90.14	-3,866.74	-4,242.76	6,850.34	6,412.40	437.94	15.642		
18,000.00	7,150.22	7,114.22	7,114.22	316.67	246.63	-90.14	-3,866.74	-4,242.76	6,927.50	6,490.04	437.46	15.836		
18,100.00	7,150.41	7,114.41	7,114.41	319.49	246.64	-90.14	-3,866.74	-4,242.76	7,005.23	6,568.26	436.98	16.031		
18,200.00	7,150.61	7,114.61	7,114.61	322.32	246.65	-90.14	-3,866.74	-4,242.76	7,083.53	6,647.04	436.49	16.228		
18,300.00	7,150.81	7,114.81	7,114.81	325.14	246.65	-90.15	-3,866.74	-4,242.76	7,162.37	6,726.36	436.01	16.427		
18,400.00	7,151.00	7,115.00	7,115.00	327.96	246.66	-90.15	-3,866.74	-4,242.76	7,241.73	6,806.21	435.52	16.628		
18,500.00	7,151.20	7,115.20	7,115.20	330.78	246.67	-90.15	-3,866.74	-4,242.76	7,321.59	6,886.57	435.03	16.830		
18,600.00	7,151.40	7,115.40	7,115.40	333.61	246.68	-90.15	-3,866.74	-4,242.76	7,401.95	6,967.41	434.54	17.034		
18,700.00	7,151.59	7,115.59	7,115.59	336.43	246.68	-90.16	-3,866.74	-4,242.76	7,482.78	7,048.73	434.05	17.239		
18,800.00	7,151.79	7,115.79	7,115.79	339.26	246.69	-90.16	-3,866.74	-4,242.76	7,564.06	7,130.50	433.56	17.446		
18,906.26	7,152.00	7,116.00	7,116.00	342.26	246.70	-90.16	-3,866.74	-4,242.76	7,650.93	7,217.88	433.04	17.668		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-101.77	-1,187.71	-5,700.15	5,822.58					
100.00	100.00	102.00	102.00	3.28	3.75	-101.77	-1,187.71	-5,700.15	5,822.58	5,815.54	7.03	827.831		
200.00	200.00	202.00	202.00	3.34	6.24	-101.77	-1,187.71	-5,700.15	5,822.58	5,813.00	9.58	608.086		
300.00	299.98	301.98	301.98	3.44	9.39	178.23	-1,187.71	-5,700.15	5,824.32	5,811.49	12.83	453.907		
400.00	399.84	401.84	401.84	3.60	12.71	178.23	-1,187.71	-5,700.15	5,829.55	5,813.24	16.31	357.321		
500.00	499.45	501.45	501.45	3.81	16.10	178.23	-1,187.71	-5,700.15	5,838.26	5,818.36	19.91	293.306		
600.00	598.70	600.70	600.70	4.06	19.50	178.22	-1,187.71	-5,700.15	5,850.44	5,826.89	23.56	248.357		
700.00	697.47	700.53	699.47	4.34	22.95	178.22	-1,187.71	-5,700.15	5,866.08	5,838.80	27.28	215.021		
785.50	781.43	783.43	783.43	4.61	25.81	178.21	-1,187.71	-5,700.15	5,882.17	5,851.76	30.41	193.400		
800.00	795.63	802.37	797.63	4.66	26.47	178.21	-1,187.71	-5,700.15	5,885.11	5,853.99	31.12	189.106		
900.00	893.55	904.45	895.55	5.02	30.01	178.22	-1,187.71	-5,700.15	5,905.40	5,870.42	34.98	168.798		
1,000.00	991.47	1,006.53	993.47	5.40	33.55	178.22	-1,187.71	-5,700.15	5,925.69	5,886.81	38.88	152.429		
1,100.00	1,089.39	1,108.61	1,091.39	5.80	37.10	178.23	-1,187.71	-5,700.15	5,945.97	5,903.19	42.79	138.971		
1,200.00	1,187.31	1,189.31	1,189.31	6.21	39.91	178.24	-1,187.71	-5,700.15	5,966.26	5,920.29	45.97	129.789		
1,300.00	1,285.22	1,287.22	1,287.22	6.64	43.32	178.24	-1,187.71	-5,700.15	5,986.55	5,936.78	49.76	120.298		
1,400.00	1,383.14	1,385.14	1,385.14	7.08	46.73	178.25	-1,187.71	-5,700.15	6,006.83	5,953.26	53.57	112.129		
1,500.00	1,481.06	1,483.06	1,483.06	7.52	50.14	178.25	-1,187.71	-5,700.15	6,027.12	5,969.73	57.39	105.026		
1,600.00	1,578.98	1,580.98	1,580.98	7.98	53.55	178.26	-1,187.71	-5,700.15	6,047.41	5,986.20	61.21	98.797		
1,700.00	1,676.90	1,678.90	1,678.90	8.44	56.96	178.27	-1,187.71	-5,700.15	6,067.69	6,002.65	65.04	93.292		
1,800.00	1,774.82	1,776.82	1,776.82	8.90	60.37	178.27	-1,187.71	-5,700.15	6,087.98	6,019.11	68.88	88.391		
1,900.00	1,872.74	1,874.74	1,874.74	9.37	63.79	178.28	-1,187.71	-5,700.15	6,108.27	6,035.55	72.72	84.002		
2,000.00	1,970.66	1,972.66	1,972.66	9.84	67.20	178.28	-1,187.71	-5,700.15	6,128.56	6,052.00	76.56	80.049		
2,100.00	2,068.57	2,070.57	2,070.57	10.32	70.61	178.29	-1,187.71	-5,700.15	6,148.84	6,068.43	80.41	76.471		
2,200.00	2,166.49	2,168.49	2,168.49	10.80	74.03	178.29	-1,187.71	-5,700.15	6,169.13	6,084.87	84.26	73.217		
2,300.00	2,264.41	2,266.41	2,266.41	11.28	77.44	178.30	-1,187.71	-5,700.15	6,189.42	6,101.31	88.11	70.245		
2,400.00	2,362.33	2,364.33	2,364.33	11.76	80.86	178.31	-1,187.71	-5,700.15	6,209.70	6,117.74	91.97	67.520		
2,500.00	2,460.25	2,462.25	2,462.25	12.24	84.28	178.31	-1,187.71	-5,700.15	6,229.99	6,134.17	95.83	65.014		
2,600.00	2,558.17	2,560.17	2,560.17	12.73	87.69	178.32	-1,187.71	-5,700.15	6,250.28	6,150.59	99.69	62.700		
2,700.00	2,656.09	2,658.09	2,658.09	13.22	91.11	178.32	-1,187.71	-5,700.15	6,270.57	6,167.02	103.55	60.558		
2,800.00	2,754.01	2,756.01	2,756.01	13.71	94.52	178.33	-1,187.71	-5,700.15	6,290.85	6,183.44	107.41	58.569		
2,900.00	2,851.92	2,853.92	2,853.92	14.20	97.94	178.33	-1,187.71	-5,700.15	6,311.14	6,199.87	111.27	56.717		
3,000.00	2,949.84	2,951.84	2,951.84	14.69	101.36	178.34	-1,187.71	-5,700.15	6,331.43	6,216.29	115.14	54.989		
3,100.00	3,047.76	3,049.76	3,049.76	15.18	104.77	178.34	-1,187.71	-5,700.15	6,351.72	6,232.71	119.01	53.373		
3,200.00	3,145.68	3,147.68	3,147.68	15.67	108.19	178.35	-1,187.71	-5,700.15	6,372.00	6,249.13	122.87	51.858		
3,300.00	3,243.60	3,245.60	3,245.60	16.17	111.61	178.35	-1,187.71	-5,700.15	6,392.29	6,265.55	126.74	50.435		
3,400.00	3,341.52	3,343.52	3,343.52	16.66	115.02	178.36	-1,187.71	-5,700.15	6,412.58	6,281.97	130.61	49.097		
3,500.00	3,439.44	3,441.44	3,441.44	17.16	118.44	178.36	-1,187.71	-5,700.15	6,432.87	6,298.39	134.48	47.835		
3,600.00	3,537.36	3,539.36	3,539.36	17.65	121.86	178.37	-1,187.71	-5,700.15	6,453.16	6,314.80	138.35	46.643		
3,700.00	3,635.27	3,637.27	3,637.27	18.15	125.27	178.37	-1,187.71	-5,700.15	6,473.44	6,331.22	142.22	45.516		
3,800.00	3,733.19	3,735.19	3,735.19	18.65	128.69	178.38	-1,187.71	-5,700.15	6,493.73	6,347.64	146.10	44.448		
3,900.00	3,831.11	3,833.11	3,833.11	19.14	132.11	178.38	-1,187.71	-5,700.15	6,514.02	6,364.05	149.97	43.436		
4,000.00	3,929.03	3,931.03	3,931.03	19.64	135.53	178.39	-1,187.71	-5,700.15	6,534.31	6,380.47	153.84	42.474		
4,100.00	4,026.95	4,028.95	4,028.95	20.14	138.94	178.39	-1,187.71	-5,700.15	6,554.60	6,396.88	157.71	41.560		
4,200.00	4,124.87	4,126.87	4,126.87	20.64	142.36	178.40	-1,187.71	-5,700.15	6,574.88	6,413.30	161.59	40.689		
4,300.00	4,222.79	4,224.79	4,224.79	21.14	145.78	178.40	-1,187.71	-5,700.15	6,595.17	6,429.71	165.46	39.859		
4,400.00	4,320.71	4,322.71	4,322.71	21.64	149.20	178.41	-1,187.71	-5,700.15	6,615.46	6,446.12	169.34	39.067		
4,500.00	4,418.62	4,420.62	4,420.62	22.14	152.61	178.41	-1,187.71	-5,700.15	6,635.75	6,462.54	173.21	38.310		
4,600.00	4,516.54	4,518.54	4,518.54	22.64	156.03	178.42	-1,187.71	-5,700.15	6,656.04	6,478.95	177.09	37.586		
4,700.00	4,614.46	4,616.46	4,616.46	23.14	159.45	178.42	-1,187.71	-5,700.15	6,676.33	6,495.36	180.96	36.893		
4,800.00	4,712.38	4,714.38	4,714.38	23.64	162.87	178.43	-1,187.71	-5,700.15	6,696.61	6,511.77	184.84	36.229		
4,900.00	4,810.30	4,812.30	4,812.30	24.14	166.28	178.43	-1,187.71	-5,700.15	6,716.90	6,528.19	188.72	35.593		
5,000.00	4,908.22	4,910.22	4,910.22	24.64	169.70	178.44	-1,187.71	-5,700.15	6,737.19	6,544.60	192.59	34.982		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,008.14	5,008.14	25.14	173.12	178.44	-1,187.71	-5,700.15	6,757.48	6,561.01	196.47	34.395		
5,200.00	5,104.06	5,106.06	5,106.06	25.64	176.54	178.45	-1,187.71	-5,700.15	6,777.77	6,577.42	200.35	33.830		
5,300.00	5,201.97	5,203.97	5,203.97	26.14	179.96	178.45	-1,187.71	-5,700.15	6,798.06	6,593.83	204.22	33.287		
5,400.00	5,299.89	5,301.89	5,301.89	26.64	183.37	178.46	-1,187.71	-5,700.15	6,818.35	6,610.24	208.10	32.765		
5,500.00	5,397.81	5,400.19	5,399.81	27.15	186.80	178.46	-1,187.71	-5,700.15	6,838.64	6,626.64	211.99	32.259		
5,600.00	5,495.73	5,502.27	5,497.73	27.65	190.37	178.47	-1,187.71	-5,700.15	6,858.92	6,642.91	216.02	31.752		
5,700.00	5,593.65	5,604.35	5,595.65	28.15	193.93	178.47	-1,187.71	-5,700.15	6,879.21	6,659.17	220.04	31.264		
5,800.00	5,691.57	5,706.43	5,693.57	28.65	197.49	178.47	-1,187.71	-5,700.15	6,899.50	6,675.44	224.06	30.793		
5,900.00	5,789.49	5,808.51	5,791.49	29.15	201.06	178.48	-1,187.71	-5,700.15	6,919.79	6,691.70	228.09	30.338		
6,000.00	5,887.41	5,889.41	5,889.41	29.66	203.88	178.48	-1,187.71	-5,700.15	6,940.08	6,708.71	231.37	29.996		
6,100.00	5,985.32	5,987.32	5,987.32	30.16	207.30	178.49	-1,187.71	-5,700.15	6,960.37	6,725.12	235.25	29.587		
6,200.00	6,083.24	6,085.24	6,085.24	30.66	210.72	178.49	-1,187.71	-5,700.15	6,980.66	6,741.53	239.13	29.192		
6,300.00	6,181.16	6,183.16	6,183.16	31.16	214.13	178.50	-1,187.71	-5,700.15	7,000.95	6,757.94	243.01	28.810		
6,400.00	6,279.08	6,281.08	6,281.08	31.67	217.55	178.50	-1,187.71	-5,700.15	7,021.24	6,774.35	246.89	28.439		
6,490.03	6,367.24	6,369.24	6,369.24	32.12	220.63	178.50	-1,187.71	-5,700.15	7,039.50	6,789.12	250.38	28.115		
6,500.00	6,377.01	6,379.01	6,379.01	32.17	220.97	179.47	-1,187.71	-5,700.15	7,041.45	6,790.68	250.77	28.080		
6,550.00	6,426.43	6,428.43	6,428.43	32.40	222.70	-171.96	-1,187.71	-5,700.15	7,048.96	6,796.25	252.71	27.893		
6,600.00	6,476.27	6,478.27	6,478.27	32.61	224.44	-137.24	-1,187.71	-5,700.15	7,052.66	6,798.00	254.66	27.694		
6,650.00	6,526.21	6,528.21	6,528.21	32.80	226.18	-51.02	-1,187.71	-5,700.15	7,052.54	6,795.94	256.60	27.485		
6,700.00	6,575.96	6,577.96	6,577.96	32.98	227.91	-30.08	-1,187.71	-5,700.15	7,048.59	6,790.09	258.50	27.267		
6,750.00	6,625.19	6,627.19	6,627.19	33.16	229.63	-23.98	-1,187.71	-5,700.15	7,040.84	6,780.47	260.37	27.041		
6,800.00	6,673.62	6,675.62	6,675.62	33.35	231.32	-21.34	-1,187.71	-5,700.15	7,029.34	6,767.14	262.20	26.809		
6,850.00	6,720.94	6,722.94	6,722.94	33.55	232.98	-20.05	-1,187.71	-5,700.15	7,014.16	6,750.19	263.98	26.571		
6,900.00	6,766.86	6,768.86	6,768.86	33.76	234.58	-19.47	-1,187.71	-5,700.15	6,995.40	6,729.72	265.69	26.330		
6,950.00	6,811.10	6,813.10	6,813.10	33.98	236.12	-19.34	-1,187.71	-5,700.15	6,973.18	6,705.86	267.32	26.085		
7,000.00	6,853.38	6,855.38	6,855.38	34.23	237.60	-19.57	-1,187.71	-5,700.15	6,947.63	6,678.75	268.87	25.840		
7,050.00	6,893.45	6,904.55	6,895.45	34.50	239.32	-20.12	-1,187.71	-5,700.15	6,918.91	6,648.26	270.65	25.564		
7,100.00	6,931.05	6,933.05	6,933.05	34.79	240.31	-20.98	-1,187.71	-5,700.15	6,887.20	6,615.51	271.70	25.349		
7,150.00	6,965.96	6,967.96	6,967.96	35.12	241.53	-22.19	-1,187.71	-5,700.15	6,852.71	6,579.75	272.95	25.106		
7,200.00	6,997.96	7,000.04	6,999.96	35.47	242.65	-23.82	-1,187.71	-5,700.15	6,815.64	6,541.54	274.11	24.865		
7,250.00	7,026.85	7,028.85	7,028.85	35.86	243.65	-25.96	-1,187.71	-5,700.15	6,776.23	6,501.09	275.14	24.629		
7,300.00	7,052.45	7,054.45	7,054.45	36.29	244.55	-28.79	-1,187.71	-5,700.15	6,734.72	6,458.67	276.05	24.396		
7,350.00	7,074.61	7,076.61	7,076.61	36.76	245.32	-32.56	-1,187.71	-5,700.15	6,691.37	6,414.52	276.85	24.170		
7,400.00	7,093.19	7,104.81	7,095.19	37.27	246.31	-37.64	-1,187.71	-5,700.15	6,646.45	6,368.60	277.85	23.921		
7,450.00	7,108.07	7,110.07	7,110.07	37.81	246.49	-44.61	-1,187.71	-5,700.15	6,600.24	6,322.18	278.06	23.737		
7,500.00	7,119.17	7,121.17	7,121.17	38.39	246.88	-54.24	-1,187.71	-5,700.15	6,553.02	6,274.54	278.48	23.532		
7,550.00	7,126.41	7,128.41	7,128.41	38.99	247.13	-67.31	-1,187.71	-5,700.15	6,505.08	6,226.32	278.77	23.335		
7,600.00	7,129.75	7,131.75	7,131.75	39.62	247.25	-83.73	-1,187.71	-5,700.15	6,456.73	6,177.80	278.93	23.148		
7,616.41	7,130.00	7,132.00	7,132.00	39.83	247.25	-89.56	-1,187.71	-5,700.15	6,440.82	6,161.87	278.95	23.089		
7,700.00	7,130.16	7,132.16	7,132.16	40.97	247.26	-89.56	-1,187.71	-5,700.15	6,359.79	6,080.73	279.06	22.790		
7,800.00	7,130.35	7,132.35	7,132.35	42.46	247.27	-89.57	-1,187.71	-5,700.15	6,262.94	5,983.74	279.20	22.432		
7,900.00	7,130.55	7,132.55	7,132.55	44.09	247.27	-89.58	-1,187.71	-5,700.15	6,166.19	5,886.82	279.37	22.072		
8,000.00	7,130.74	7,132.74	7,132.74	45.84	247.28	-89.59	-1,187.71	-5,700.15	6,069.55	5,789.98	279.57	21.710		
8,100.00	7,130.94	7,132.94	7,132.94	47.70	247.29	-89.59	-1,187.71	-5,700.15	5,973.02	5,693.22	279.80	21.348		
8,200.00	7,131.13	7,133.13	7,133.13	49.65	247.29	-89.60	-1,187.71	-5,700.15	5,876.61	5,596.55	280.06	20.984		
8,300.00	7,131.32	7,133.32	7,133.32	51.70	247.30	-89.61	-1,187.71	-5,700.15	5,780.31	5,499.97	280.35	20.618		
8,400.00	7,131.52	7,133.52	7,133.52	53.81	247.31	-89.61	-1,187.71	-5,700.15	5,684.15	5,403.47	280.68	20.252		
8,500.00	7,131.71	7,133.71	7,133.71	55.99	247.31	-89.62	-1,187.71	-5,700.15	5,588.12	5,307.08	281.04	19.884		
8,600.00	7,131.90	7,133.90	7,133.90	58.24	247.32	-89.63	-1,187.71	-5,700.15	5,492.23	5,210.78	281.45	19.514		
8,700.00	7,132.10	7,134.10	7,134.10	60.53	247.33	-89.64	-1,187.71	-5,700.15	5,396.49	5,114.59	281.90	19.144		
8,800.00	7,132.29	7,134.29	7,134.29	62.87	247.33	-89.64	-1,187.71	-5,700.15	5,300.91	5,018.52	282.39	18.772		
8,900.00	7,132.49	7,134.49	7,134.49	65.25	247.34	-89.65	-1,187.71	-5,700.15	5,205.49	4,922.56	282.93	18.399		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,134.68	7,134.68	67.68	247.35	-89.66	-1,187.71	-5,700.15	5,110.25	4,826.73	283.52	18.024		
9,100.00	7,132.87	7,134.87	7,134.87	70.13	247.36	-89.66	-1,187.71	-5,700.15	5,015.19	4,731.03	284.17	17.649		
9,200.00	7,133.07	7,135.07	7,135.07	72.61	247.36	-89.67	-1,187.71	-5,700.15	4,920.33	4,635.47	284.87	17.272		
9,300.00	7,133.26	7,135.26	7,135.26	75.13	247.37	-89.68	-1,187.71	-5,700.15	4,825.68	4,540.05	285.63	16.895		
9,400.00	7,133.46	7,135.46	7,135.46	77.66	247.38	-89.68	-1,187.71	-5,700.15	4,731.25	4,444.80	286.45	16.517		
9,500.00	7,133.65	7,135.65	7,135.65	80.22	247.38	-89.69	-1,187.71	-5,700.15	4,637.05	4,349.71	287.34	16.138		
9,600.00	7,133.84	7,135.84	7,135.84	82.80	247.39	-89.70	-1,187.71	-5,700.15	4,543.10	4,254.80	288.30	15.758		
9,700.00	7,134.04	7,136.04	7,136.04	85.40	247.40	-89.71	-1,187.71	-5,700.15	4,449.41	4,160.08	289.33	15.378		
9,800.00	7,134.23	7,136.23	7,136.23	88.01	247.40	-89.71	-1,187.71	-5,700.15	4,356.01	4,065.56	290.44	14.998		
9,900.00	7,134.43	7,136.43	7,136.43	90.64	247.41	-89.72	-1,187.71	-5,700.15	4,262.90	3,971.27	291.63	14.617		
10,000.00	7,134.62	7,136.62	7,136.62	93.28	247.42	-89.73	-1,187.71	-5,700.15	4,170.11	3,877.20	292.91	14.237		
10,100.00	7,134.81	7,136.81	7,136.81	95.94	247.42	-89.73	-1,187.71	-5,700.15	4,077.67	3,783.39	294.28	13.857		
10,200.00	7,135.01	7,137.01	7,137.01	98.61	247.43	-89.74	-1,187.71	-5,700.15	3,985.58	3,689.84	295.74	13.477		
10,300.00	7,135.20	7,137.20	7,137.20	101.28	247.44	-89.75	-1,187.71	-5,700.15	3,893.89	3,596.59	297.30	13.097		
10,400.00	7,135.39	7,137.39	7,137.39	103.97	247.44	-89.76	-1,187.71	-5,700.15	3,802.62	3,503.65	298.97	12.719		
10,500.00	7,135.59	7,137.59	7,137.59	106.67	247.45	-89.76	-1,187.71	-5,700.15	3,711.79	3,411.05	300.75	12.342		
10,600.00	7,135.78	7,137.78	7,137.78	109.38	247.46	-89.77	-1,187.71	-5,700.15	3,621.46	3,318.81	302.64	11.966		
10,700.00	7,135.98	7,137.98	7,137.98	112.09	247.46	-89.78	-1,187.71	-5,700.15	3,531.64	3,226.97	304.66	11.592		
10,800.00	7,136.17	7,138.17	7,138.17	114.81	247.47	-89.78	-1,187.71	-5,700.15	3,442.38	3,135.56	306.82	11.220		
10,900.00	7,136.36	7,138.36	7,138.36	117.54	247.48	-89.79	-1,187.71	-5,700.15	3,353.73	3,044.62	309.10	10.850		
11,000.00	7,136.56	7,138.56	7,138.56	120.28	247.48	-89.80	-1,187.71	-5,700.15	3,265.73	2,954.19	311.54	10.483		
11,100.00	7,136.75	7,138.75	7,138.75	123.02	247.49	-89.80	-1,187.71	-5,700.15	3,178.45	2,864.32	314.13	10.118		
11,200.00	7,136.95	7,138.95	7,138.95	125.76	247.50	-89.81	-1,187.71	-5,700.15	3,091.93	2,775.05	316.88	9.757		
11,300.00	7,137.14	7,139.14	7,139.14	128.52	247.50	-89.82	-1,187.71	-5,700.15	3,006.25	2,686.45	319.81	9.400		
11,400.00	7,137.33	7,139.33	7,139.33	131.27	247.51	-89.83	-1,187.71	-5,700.15	2,921.48	2,598.57	322.91	9.047		
11,500.00	7,137.53	7,139.53	7,139.53	134.03	247.52	-89.83	-1,187.71	-5,700.15	2,837.71	2,511.50	326.21	8.699		
11,600.00	7,137.72	7,139.72	7,139.72	136.80	247.52	-89.84	-1,187.71	-5,700.15	2,755.01	2,425.31	329.71	8.356		
11,700.00	7,137.92	7,139.92	7,139.92	139.57	247.53	-89.85	-1,187.71	-5,700.15	2,673.50	2,340.09	333.41	8.019		
11,800.00	7,138.11	7,140.11	7,140.11	142.34	247.54	-89.85	-1,187.71	-5,700.15	2,593.29	2,255.95	337.34	7.687		
11,900.00	7,138.30	7,140.30	7,140.30	145.12	247.54	-89.86	-1,187.71	-5,700.15	2,514.49	2,172.99	341.50	7.363		
12,000.00	7,138.50	7,140.50	7,140.50	147.90	247.55	-89.87	-1,187.71	-5,700.15	2,437.25	2,091.35	345.89	7.046		
12,100.00	7,138.69	7,140.69	7,140.69	150.68	247.56	-89.88	-1,187.71	-5,700.15	2,361.71	2,011.18	350.53	6.737		
12,200.00	7,138.88	7,140.88	7,140.88	153.47	247.57	-89.88	-1,187.71	-5,700.15	2,288.06	1,932.64	355.42	6.438		
12,300.00	7,139.08	7,141.08	7,141.08	156.26	247.57	-89.89	-1,187.71	-5,700.15	2,216.46	1,855.91	360.56	6.147		
12,400.00	7,139.27	7,141.27	7,141.27	159.05	247.58	-89.90	-1,187.71	-5,700.15	2,147.14	1,781.20	365.94	5.867		
12,500.00	7,139.47	7,141.47	7,141.47	161.85	247.59	-89.90	-1,187.71	-5,700.15	2,080.32	1,708.75	371.57	5.599		
12,600.00	7,139.66	7,141.66	7,141.66	164.64	247.59	-89.91	-1,187.71	-5,700.15	2,016.25	1,638.83	377.42	5.342		
12,700.00	7,139.85	7,141.85	7,141.85	167.44	247.60	-89.92	-1,187.71	-5,700.15	1,955.19	1,571.72	383.48	5.099		
12,800.00	7,140.05	7,142.05	7,142.05	170.24	247.61	-89.92	-1,187.71	-5,700.15	1,897.44	1,507.74	389.70	4.869		
12,900.00	7,140.24	7,142.24	7,142.24	173.05	247.61	-89.93	-1,187.71	-5,700.15	1,843.31	1,447.26	396.06	4.654		
13,000.00	7,140.44	7,142.44	7,142.44	175.85	247.62	-89.94	-1,187.71	-5,700.15	1,793.13	1,390.65	402.48	4.455		
13,100.00	7,140.63	7,142.63	7,142.63	178.66	247.63	-89.95	-1,187.71	-5,700.15	1,747.24	1,338.33	408.91	4.273		
13,200.00	7,140.82	7,142.82	7,142.82	181.47	247.63	-89.95	-1,187.71	-5,700.15	1,705.97	1,290.72	415.26	4.108		
13,300.00	7,141.02	7,143.02	7,143.02	184.28	247.64	-89.96	-1,187.71	-5,700.15	1,669.69	1,248.26	421.43	3.962		
13,400.00	7,141.21	7,143.21	7,143.21	187.10	247.65	-89.97	-1,187.71	-5,700.15	1,638.71	1,211.40	427.31	3.835		
13,500.00	7,141.41	7,143.41	7,143.41	189.91	247.65	-89.97	-1,187.71	-5,700.15	1,613.35	1,180.54	432.80	3.728		
13,600.00	7,141.60	7,143.60	7,143.60	192.73	247.66	-89.98	-1,187.71	-5,700.15	1,593.87	1,156.07	437.79	3.641		
13,700.00	7,141.79	7,143.79	7,143.79	195.54	247.67	-89.99	-1,187.71	-5,700.15	1,580.48	1,138.30	442.18	3.574		
13,800.00	7,141.99	7,143.99	7,143.99	198.36	247.67	-90.00	-1,187.71	-5,700.15	1,573.35	1,127.48	445.88	3.529		
13,862.43	7,142.11	7,144.11	7,144.11	200.12	247.68	-90.00	-1,187.71	-5,700.15	1,572.11	1,124.31	447.80	3.511 CC		
13,900.00	7,142.18	7,144.18	7,144.18	201.18	247.68	-90.00	-1,187.71	-5,700.15	1,572.56	1,123.75	448.81	3.504 ES		
14,000.00	7,142.37	7,144.37	7,144.37	204.01	247.69	-90.01	-1,187.71	-5,700.15	1,578.12	1,127.16	450.96	3.499 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,144.57	7,144.57	206.83	247.69	-90.02	-1,187.71	-5,700.15	1,589.96	1,137.67	452.30	3.515		
14,200.00	7,142.76	7,144.76	7,144.76	209.65	247.70	-90.02	-1,187.71	-5,700.15	1,607.95	1,155.10	452.85	3.551		
14,300.00	7,142.96	7,144.96	7,144.96	212.48	247.71	-90.03	-1,187.71	-5,700.15	1,631.87	1,179.21	452.67	3.605		
14,400.00	7,143.15	7,145.15	7,145.15	215.30	247.71	-90.04	-1,187.71	-5,700.15	1,661.48	1,209.68	451.80	3.677		
14,500.00	7,143.34	7,145.34	7,145.34	218.13	247.72	-90.05	-1,187.71	-5,700.15	1,696.48	1,246.13	450.35	3.767		
14,600.00	7,143.54	7,145.54	7,145.54	220.96	247.73	-90.05	-1,187.71	-5,700.15	1,736.53	1,288.15	448.38	3.873		
14,700.00	7,143.73	7,145.73	7,145.73	223.79	247.73	-90.06	-1,187.71	-5,700.15	1,781.31	1,335.32	445.99	3.994		
14,800.00	7,143.93	7,145.93	7,145.93	226.62	247.74	-90.07	-1,187.71	-5,700.15	1,830.46	1,387.19	443.27	4.129		
14,838.32	7,144.00	7,146.00	7,146.00	227.70	247.74	-90.07	-1,187.71	-5,700.15	1,850.38	1,408.22	442.16	4.185		
14,900.00	7,144.12	7,146.12	7,146.12	229.45	247.75	-90.07	-1,187.71	-5,700.15	1,883.08	1,442.80	440.28	4.277		
15,000.00	7,144.32	7,146.32	7,146.32	232.26	247.75	-90.07	-1,187.71	-5,700.15	1,936.77	1,499.76	437.02	4.432		
15,027.81	7,144.37	7,146.37	7,146.37	233.04	247.76	-90.07	-1,187.71	-5,700.15	1,951.84	1,515.77	436.06	4.476		
15,100.00	7,144.51	7,146.51	7,146.51	235.07	247.76	-90.08	-1,187.71	-5,700.15	1,991.94	1,558.40	433.54	4.595		
15,200.00	7,144.71	7,146.71	7,146.71	237.87	247.77	-90.08	-1,187.71	-5,700.15	2,050.39	1,620.43	429.96	4.769		
15,300.00	7,144.91	7,146.91	7,146.91	240.68	247.78	-90.09	-1,187.71	-5,700.15	2,111.96	1,685.63	426.32	4.954		
15,400.00	7,145.10	7,147.10	7,147.10	243.48	247.78	-90.10	-1,187.71	-5,700.15	2,176.38	1,753.70	422.68	5.149		
15,500.00	7,145.30	7,147.30	7,147.30	246.29	247.79	-90.11	-1,187.71	-5,700.15	2,243.42	1,824.36	419.06	5.353		
15,600.00	7,145.50	7,147.50	7,147.50	249.10	247.80	-90.11	-1,187.71	-5,700.15	2,312.83	1,897.34	415.49	5.567		
15,700.00	7,145.69	7,147.69	7,147.69	251.91	247.80	-90.12	-1,187.71	-5,700.15	2,384.42	1,972.43	411.99	5.788		
15,800.00	7,145.89	7,147.89	7,147.89	254.71	247.81	-90.13	-1,187.71	-5,700.15	2,458.00	2,049.42	408.58	6.016		
15,900.00	7,146.09	7,148.09	7,148.09	257.52	247.82	-90.13	-1,187.71	-5,700.15	2,533.38	2,128.12	405.26	6.251		
16,000.00	7,146.28	7,148.28	7,148.28	260.34	247.82	-90.14	-1,187.71	-5,700.15	2,610.42	2,208.37	402.05	6.493		
16,100.00	7,146.48	7,148.48	7,148.48	263.15	247.83	-90.15	-1,187.71	-5,700.15	2,688.97	2,290.03	398.94	6.740		
16,200.00	7,146.68	7,148.68	7,148.68	265.96	247.84	-90.15	-1,187.71	-5,700.15	2,768.91	2,372.95	395.95	6.993		
16,300.00	7,146.87	7,148.87	7,148.87	268.77	247.84	-90.16	-1,187.71	-5,700.15	2,850.11	2,457.03	393.08	7.251		
16,400.00	7,147.07	7,149.07	7,149.07	271.58	247.85	-90.17	-1,187.71	-5,700.15	2,932.47	2,542.16	390.31	7.513		
16,500.00	7,147.27	7,149.27	7,149.27	274.40	247.86	-90.17	-1,187.71	-5,700.15	3,015.90	2,628.25	387.66	7.780		
16,600.00	7,147.46	7,149.46	7,149.46	277.21	247.86	-90.18	-1,187.71	-5,700.15	3,100.32	2,715.20	385.11	8.050		
16,700.00	7,147.66	7,149.66	7,149.66	280.03	247.87	-90.19	-1,187.71	-5,700.15	3,185.63	2,802.96	382.67	8.325		
16,800.00	7,147.86	7,149.86	7,149.86	282.84	247.88	-90.19	-1,187.71	-5,700.15	3,271.77	2,891.44	380.33	8.602		
16,900.00	7,148.05	7,150.05	7,150.05	285.66	247.89	-90.20	-1,187.71	-5,700.15	3,358.69	2,980.59	378.09	8.883		
17,000.00	7,148.25	7,150.25	7,150.25	288.48	247.89	-90.21	-1,187.71	-5,700.15	3,446.31	3,070.36	375.95	9.167		
17,100.00	7,148.45	7,150.45	7,150.45	291.29	247.90	-90.22	-1,187.71	-5,700.15	3,534.59	3,160.70	373.89	9.453		
17,200.00	7,148.64	7,150.64	7,150.64	294.11	247.91	-90.22	-1,187.71	-5,700.15	3,623.48	3,251.55	371.93	9.742		
17,300.00	7,148.84	7,150.84	7,150.84	296.93	247.91	-90.23	-1,187.71	-5,700.15	3,712.94	3,342.89	370.04	10.034		
17,400.00	7,149.04	7,151.04	7,151.04	299.75	247.92	-90.24	-1,187.71	-5,700.15	3,802.92	3,434.68	368.23	10.327		
17,500.00	7,149.23	7,151.23	7,151.23	302.57	247.93	-90.24	-1,187.71	-5,700.15	3,893.38	3,526.88	366.50	10.623		
17,600.00	7,149.43	7,151.43	7,151.43	305.39	247.93	-90.25	-1,187.71	-5,700.15	3,984.31	3,619.46	364.85	10.921		
17,700.00	7,149.63	7,151.63	7,151.63	308.21	247.94	-90.26	-1,187.71	-5,700.15	4,075.66	3,712.40	363.25	11.220		
17,800.00	7,149.82	7,151.82	7,151.82	311.03	247.95	-90.26	-1,187.71	-5,700.15	4,167.40	3,805.68	361.73	11.521		
17,900.00	7,150.02	7,152.02	7,152.02	313.85	247.95	-90.27	-1,187.71	-5,700.15	4,259.52	3,899.26	360.27	11.823		
18,000.00	7,150.22	7,152.22	7,152.22	316.67	247.96	-90.28	-1,187.71	-5,700.15	4,351.99	3,993.13	358.86	12.127		
18,100.00	7,150.41	7,152.41	7,152.41	319.49	247.97	-90.28	-1,187.71	-5,700.15	4,444.78	4,087.27	357.52	12.432		
18,200.00	7,150.61	7,152.61	7,152.61	322.32	247.97	-90.29	-1,187.71	-5,700.15	4,537.88	4,181.66	356.22	12.739		
18,300.00	7,150.81	7,152.81	7,152.81	325.14	247.98	-90.30	-1,187.71	-5,700.15	4,631.27	4,276.29	354.98	13.047		
18,400.00	7,151.00	7,153.00	7,153.00	327.96	247.99	-90.30	-1,187.71	-5,700.15	4,724.92	4,371.14	353.79	13.355		
18,500.00	7,151.20	7,153.20	7,153.20	330.78	247.99	-90.31	-1,187.71	-5,700.15	4,818.84	4,466.20	352.64	13.665		
18,600.00	7,151.40	7,153.40	7,153.40	333.61	248.00	-90.32	-1,187.71	-5,700.15	4,912.99	4,561.45	351.53	13.976		
18,700.00	7,151.59	7,153.59	7,153.59	336.43	248.01	-90.33	-1,187.71	-5,700.15	5,007.37	4,656.90	350.47	14.287		
18,800.00	7,151.79	7,153.79	7,153.79	339.26	248.02	-90.33	-1,187.71	-5,700.15	5,101.96	4,752.51	349.45	14.600		
18,906.26	7,152.00	7,154.00	7,154.00	342.26	248.02	-90.34	-1,187.71	-5,700.15	5,202.70	4,854.29	348.41	14.933		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-78.47	1,441.84	-7,067.15	7,212.73					
100.00	100.00	140.00	140.00	3.28	4.54	-78.47	1,441.84	-7,067.15	7,212.73	7,204.90	7.83	921.553		
200.00	200.00	240.00	240.00	3.34	7.40	-78.47	1,441.84	-7,067.15	7,212.73	7,201.99	10.74	671.788		
300.00	299.98	339.98	339.98	3.44	10.64	-158.46	1,441.84	-7,067.15	7,214.35	7,200.27	14.08	512.219		
400.00	399.84	439.84	439.84	3.60	14.00	-158.44	1,441.84	-7,067.15	7,219.22	7,201.62	17.60	410.192		
500.00	499.45	539.45	539.45	3.81	17.40	-158.41	1,441.84	-7,067.15	7,227.33	7,206.13	21.20	340.849		
600.00	598.70	638.70	638.70	4.06	20.81	-158.36	1,441.84	-7,067.15	7,238.67	7,213.81	24.86	291.153		
700.00	697.47	737.47	737.47	4.34	24.22	-158.30	1,441.84	-7,067.15	7,253.23	7,224.68	28.55	254.025		
785.50	781.43	821.43	821.43	4.61	27.13	-158.23	1,441.84	-7,067.15	7,268.23	7,236.50	31.73	229.101		
800.00	795.63	835.63	835.63	4.66	27.62	-158.24	1,441.84	-7,067.15	7,270.97	7,238.70	32.27	225.339		
900.00	893.55	933.55	933.55	5.02	31.02	-158.30	1,441.84	-7,067.15	7,289.87	7,253.88	35.99	202.557		
1,000.00	991.47	1,031.47	1,031.47	5.40	34.42	-158.36	1,441.84	-7,067.15	7,308.79	7,269.05	39.74	183.929		
1,100.00	1,089.39	1,129.39	1,129.39	5.80	37.82	-158.41	1,441.84	-7,067.15	7,327.71	7,284.20	43.50	168.434		
1,200.00	1,187.31	1,227.31	1,227.31	6.21	41.23	-158.47	1,441.84	-7,067.15	7,346.64	7,299.35	47.29	155.355		
1,300.00	1,285.22	1,325.22	1,325.22	6.64	44.64	-158.53	1,441.84	-7,067.15	7,365.58	7,314.49	51.09	144.178		
1,400.00	1,383.14	1,423.14	1,423.14	7.08	48.05	-158.59	1,441.84	-7,067.15	7,384.52	7,329.62	54.90	134.520		
1,500.00	1,481.06	1,521.06	1,521.06	7.52	51.46	-158.64	1,441.84	-7,067.15	7,403.47	7,344.76	58.71	126.096		
1,600.00	1,578.98	1,618.98	1,618.98	7.98	54.87	-158.70	1,441.84	-7,067.15	7,422.43	7,359.89	62.54	118.686		
1,700.00	1,676.90	1,716.90	1,716.90	8.44	58.28	-158.76	1,441.84	-7,067.15	7,441.39	7,375.02	66.37	112.120		
1,800.00	1,774.82	1,814.82	1,814.82	8.90	61.70	-158.81	1,441.84	-7,067.15	7,460.36	7,390.16	70.21	106.262		
1,900.00	1,872.74	1,912.74	1,912.74	9.37	65.11	-158.87	1,441.84	-7,067.15	7,479.34	7,405.29	74.05	101.006		
2,000.00	1,970.66	2,010.66	2,010.66	9.84	68.53	-158.93	1,441.84	-7,067.15	7,498.33	7,420.43	77.89	96.263		
2,100.00	2,068.57	2,108.57	2,108.57	10.32	71.94	-158.98	1,441.84	-7,067.15	7,517.32	7,435.58	81.74	91.962		
2,200.00	2,166.49	2,206.49	2,206.49	10.80	75.35	-159.04	1,441.84	-7,067.15	7,536.32	7,450.72	85.60	88.045		
2,300.00	2,264.41	2,304.41	2,304.41	11.28	78.77	-159.09	1,441.84	-7,067.15	7,555.32	7,465.87	89.45	84.463		
2,400.00	2,362.33	2,402.33	2,402.33	11.76	82.19	-159.15	1,441.84	-7,067.15	7,574.34	7,481.03	93.31	81.176		
2,500.00	2,460.25	2,500.25	2,500.25	12.24	85.60	-159.20	1,441.84	-7,067.15	7,593.36	7,496.19	97.17	78.147		
2,600.00	2,558.17	2,601.83	2,598.17	12.73	89.14	-159.25	1,441.84	-7,067.15	7,612.38	7,511.23	101.16	75.254		
2,700.00	2,656.09	2,703.91	2,696.09	13.22	92.71	-159.31	1,441.84	-7,067.15	7,631.42	7,526.25	105.16	72.567		
2,800.00	2,754.01	2,805.99	2,794.01	13.71	96.27	-159.36	1,441.84	-7,067.15	7,650.45	7,541.28	109.17	70.076		
2,900.00	2,851.92	2,908.08	2,891.92	14.20	99.83	-159.42	1,441.84	-7,067.15	7,669.50	7,556.32	113.18	67.761		
3,000.00	2,949.84	2,989.84	2,989.84	14.69	102.68	-159.47	1,441.84	-7,067.15	7,688.55	7,572.06	116.49	66.003		
3,100.00	3,047.76	3,087.76	3,087.76	15.18	106.10	-159.52	1,441.84	-7,067.15	7,707.61	7,587.25	120.35	64.041		
3,200.00	3,145.68	3,185.68	3,185.68	15.67	109.52	-159.57	1,441.84	-7,067.15	7,726.67	7,602.45	124.22	62.200		
3,300.00	3,243.60	3,283.60	3,283.60	16.17	112.93	-159.63	1,441.84	-7,067.15	7,745.74	7,617.65	128.09	60.470		
3,400.00	3,341.52	3,381.52	3,381.52	16.66	116.35	-159.68	1,441.84	-7,067.15	7,764.82	7,632.86	131.96	58.841		
3,500.00	3,439.44	3,479.44	3,479.44	17.16	119.77	-159.73	1,441.84	-7,067.15	7,783.90	7,648.07	135.83	57.304		
3,600.00	3,537.36	3,577.36	3,577.36	17.65	123.18	-159.78	1,441.84	-7,067.15	7,802.99	7,663.29	139.71	55.853		
3,700.00	3,635.27	3,675.27	3,675.27	18.15	126.60	-159.83	1,441.84	-7,067.15	7,822.09	7,678.51	143.58	54.480		
3,800.00	3,733.19	3,773.19	3,773.19	18.65	130.02	-159.88	1,441.84	-7,067.15	7,841.19	7,693.74	147.45	53.178		
3,900.00	3,831.11	3,871.11	3,871.11	19.14	133.44	-159.93	1,441.84	-7,067.15	7,860.30	7,708.97	151.32	51.943		
4,000.00	3,929.03	3,969.03	3,969.03	19.64	136.85	-159.98	1,441.84	-7,067.15	7,879.41	7,724.21	155.20	50.770		
4,100.00	4,026.95	4,066.95	4,066.95	20.14	140.27	-160.04	1,441.84	-7,067.15	7,898.53	7,739.46	159.07	49.654		
4,200.00	4,124.87	4,164.87	4,164.87	20.64	143.69	-160.09	1,441.84	-7,067.15	7,917.65	7,754.71	162.95	48.590		
4,300.00	4,222.79	4,262.79	4,262.79	21.14	147.11	-160.13	1,441.84	-7,067.15	7,936.79	7,769.96	166.82	47.576		
4,400.00	4,320.71	4,360.71	4,360.71	21.64	150.52	-160.18	1,441.84	-7,067.15	7,955.92	7,785.22	170.70	46.608		
4,500.00	4,418.62	4,458.62	4,458.62	22.14	153.94	-160.23	1,441.84	-7,067.15	7,975.06	7,800.49	174.57	45.683		
4,600.00	4,516.54	4,556.54	4,556.54	22.64	157.36	-160.28	1,441.84	-7,067.15	7,994.21	7,815.76	178.45	44.798		
4,700.00	4,614.46	4,654.46	4,654.46	23.14	160.78	-160.33	1,441.84	-7,067.15	8,013.37	7,831.04	182.33	43.951		
4,800.00	4,712.38	4,752.38	4,752.38	23.64	164.19	-160.38	1,441.84	-7,067.15	8,032.53	7,846.32	186.20	43.139		
4,900.00	4,810.30	4,850.30	4,850.30	24.14	167.61	-160.43	1,441.84	-7,067.15	8,051.69	7,861.61	190.08	42.360		
5,000.00	4,908.22	4,948.22	4,948.22	24.64	171.03	-160.48	1,441.84	-7,067.15	8,070.86	7,876.90	193.96	41.612		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,046.14	5,046.14	25.14	174.45	-160.52	1,441.84	-7,067.15	8,090.04	7,892.20	197.83	40.893		
5,200.00	5,104.06	5,144.06	5,144.06	25.64	177.86	-160.57	1,441.84	-7,067.15	8,109.22	7,907.51	201.71	40.202		
5,300.00	5,201.97	5,241.97	5,241.97	26.14	181.28	-160.62	1,441.84	-7,067.15	8,128.40	7,922.82	205.59	39.537		
5,400.00	5,299.89	5,339.89	5,339.89	26.64	184.70	-160.67	1,441.84	-7,067.15	8,147.60	7,938.13	209.47	38.897		
5,500.00	5,397.81	5,437.81	5,437.81	27.15	188.12	-160.71	1,441.84	-7,067.15	8,166.79	7,953.45	213.34	38.280		
5,600.00	5,495.73	5,535.73	5,535.73	27.65	191.54	-160.76	1,441.84	-7,067.15	8,186.00	7,968.77	217.22	37.685		
5,700.00	5,593.65	5,633.65	5,633.65	28.15	194.95	-160.81	1,441.84	-7,067.15	8,205.20	7,984.10	221.10	37.111		
5,800.00	5,691.57	5,731.57	5,731.57	28.65	198.37	-160.85	1,441.84	-7,067.15	8,224.42	7,999.44	224.98	36.556		
5,900.00	5,789.49	5,829.49	5,829.49	29.15	201.79	-160.90	1,441.84	-7,067.15	8,243.64	8,014.78	228.86	36.021		
6,000.00	5,887.41	5,927.41	5,927.41	29.66	205.21	-160.95	1,441.84	-7,067.15	8,262.86	8,030.12	232.74	35.503		
6,100.00	5,985.32	6,025.32	6,025.32	30.16	208.62	-160.99	1,441.84	-7,067.15	8,282.09	8,045.47	236.62	35.002		
6,200.00	6,083.24	6,123.24	6,123.24	30.66	212.04	-161.04	1,441.84	-7,067.15	8,301.32	8,060.83	240.50	34.518		
6,300.00	6,181.16	6,221.16	6,221.16	31.16	215.46	-161.08	1,441.84	-7,067.15	8,320.56	8,076.19	244.37	34.048		
6,400.00	6,279.08	6,319.08	6,319.08	31.67	218.88	-161.13	1,441.84	-7,067.15	8,339.80	8,091.55	248.25	33.594		
6,490.03	6,367.24	6,407.24	6,407.24	32.12	221.96	-161.17	1,441.84	-7,067.15	8,357.14	8,105.39	251.75	33.197		
6,500.00	6,377.01	6,417.01	6,417.01	32.17	222.30	-160.27	1,441.84	-7,067.15	8,358.98	8,106.84	252.13	33.153		
6,550.00	6,426.43	6,466.43	6,466.43	32.40	224.02	-151.95	1,441.84	-7,067.15	8,365.92	8,111.84	254.08	32.926		
6,600.00	6,476.27	6,516.27	6,516.27	32.61	225.76	-117.34	1,441.84	-7,067.15	8,368.98	8,112.95	256.03	32.688		
6,650.00	6,526.21	6,566.21	6,566.21	32.80	227.51	-31.11	1,441.84	-7,067.15	8,368.16	8,110.19	257.96	32.439		
6,700.00	6,575.96	6,615.96	6,615.96	32.98	229.24	-10.02	1,441.84	-7,067.15	8,363.44	8,103.58	259.87	32.184		
6,750.00	6,625.19	6,665.19	6,665.19	33.16	230.96	-3.64	1,441.84	-7,067.15	8,354.87	8,093.13	261.74	31.921		
6,800.00	6,673.62	6,713.62	6,713.62	33.35	232.65	-0.57	1,441.84	-7,067.15	8,342.49	8,078.93	263.56	31.653		
6,850.00	6,720.94	6,760.94	6,760.94	33.55	234.30	1.30	1,441.84	-7,067.15	8,326.39	8,061.05	265.33	31.381		
6,900.00	6,766.86	6,806.86	6,806.86	33.76	235.91	2.64	1,441.84	-7,067.15	8,306.65	8,039.61	267.04	31.107		
6,950.00	6,811.10	6,851.10	6,851.10	33.98	237.45	3.73	1,441.84	-7,067.15	8,283.40	8,014.73	268.67	30.831		
7,000.00	6,853.38	6,893.38	6,893.38	34.23	239.39	4.71	1,441.84	-7,067.15	8,256.79	7,986.11	270.68	30.504		
7,050.00	6,893.45	6,933.45	6,933.45	34.50	240.32	5.66	1,441.84	-7,067.15	8,226.98	7,955.31	271.67	30.283		
7,100.00	6,931.05	6,971.05	6,971.05	34.79	241.64	6.66	1,441.84	-7,067.15	8,194.15	7,921.13	273.02	30.013		
7,150.00	6,965.96	7,005.96	7,005.96	35.12	242.86	7.76	1,441.84	-7,067.15	8,158.51	7,884.23	274.27	29.746		
7,200.00	6,997.96	7,037.96	7,037.96	35.47	243.97	9.06	1,441.84	-7,067.15	8,120.27	7,844.86	275.41	29.484		
7,250.00	7,026.85	7,066.85	7,066.85	35.86	244.98	10.64	1,441.84	-7,067.15	8,079.68	7,803.25	276.43	29.229		
7,300.00	7,052.45	7,102.45	7,102.45	36.29	246.40	12.65	1,441.84	-7,067.15	8,036.98	7,759.13	277.86	28.925		
7,350.00	7,074.61	7,114.61	7,114.61	36.76	246.65	15.35	1,441.84	-7,067.15	7,992.44	7,714.34	278.10	28.739		
7,400.00	7,093.19	7,133.19	7,133.19	37.27	247.30	19.15	1,441.84	-7,067.15	7,946.34	7,667.58	278.75	28.507		
7,450.00	7,108.07	7,148.07	7,148.07	37.81	247.82	24.86	1,441.84	-7,067.15	7,898.95	7,619.68	279.27	28.284		
7,500.00	7,119.17	7,159.17	7,159.17	38.39	248.20	34.18	1,441.84	-7,067.15	7,850.57	7,570.91	279.66	28.072		
7,550.00	7,126.41	7,166.41	7,166.41	38.99	248.46	50.54	1,441.84	-7,067.15	7,801.50	7,521.59	279.91	27.871		
7,600.00	7,129.75	7,169.75	7,169.75	39.62	248.57	78.23	1,441.84	-7,067.15	7,752.05	7,472.01	280.04	27.682		
7,616.41	7,130.00	7,170.00	7,170.00	39.83	248.58	89.17	1,441.84	-7,067.15	7,735.79	7,455.73	280.06	27.622		
7,700.00	7,130.16	7,170.16	7,170.16	40.97	248.59	89.18	1,441.84	-7,067.15	7,652.95	7,372.85	280.09	27.323		
7,800.00	7,130.35	7,170.35	7,170.35	42.46	248.59	89.19	1,441.84	-7,067.15	7,553.87	7,273.72	280.14	26.964		
7,900.00	7,130.55	7,170.55	7,170.55	44.09	248.60	89.20	1,441.84	-7,067.15	7,454.81	7,174.60	280.20	26.605		
8,000.00	7,130.74	7,170.74	7,170.74	45.84	248.61	89.21	1,441.84	-7,067.15	7,355.78	7,075.51	280.27	26.245		
8,100.00	7,130.94	7,170.94	7,170.94	47.70	248.61	89.22	1,441.84	-7,067.15	7,256.78	6,976.42	280.35	25.885		
8,200.00	7,131.13	7,171.13	7,171.13	49.65	248.62	89.24	1,441.84	-7,067.15	7,157.80	6,877.36	280.44	25.524		
8,300.00	7,131.32	7,171.32	7,171.32	51.70	248.63	89.25	1,441.84	-7,067.15	7,058.85	6,778.32	280.54	25.162		
8,400.00	7,131.52	7,171.52	7,171.52	53.81	248.63	89.26	1,441.84	-7,067.15	6,959.93	6,679.29	280.65	24.800		
8,500.00	7,131.71	7,171.71	7,171.71	55.99	248.64	89.27	1,441.84	-7,067.15	6,861.05	6,580.28	280.77	24.437		
8,600.00	7,131.90	7,171.90	7,171.90	58.24	248.65	89.28	1,441.84	-7,067.15	6,762.20	6,481.30	280.90	24.073		
8,700.00	7,132.10	7,172.10	7,172.10	60.53	248.65	89.29	1,441.84	-7,067.15	6,663.38	6,382.33	281.05	23.709		
8,800.00	7,132.29	7,172.29	7,172.29	62.87	248.66	89.30	1,441.84	-7,067.15	6,564.59	6,283.39	281.21	23.344		
8,900.00	7,132.49	7,172.49	7,172.49	65.25	248.67	89.31	1,441.84	-7,067.15	6,465.85	6,184.47	281.38	22.979		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,172.68	7,172.68	67.68	248.67	89.32	1,441.84	-7,067.15	6,367.14	6,085.57	281.57	22.613		
9,100.00	7,132.87	7,172.87	7,172.87	70.13	248.68	89.33	1,441.84	-7,067.15	6,268.48	5,986.70	281.78	22.246		
9,200.00	7,133.07	7,173.07	7,173.07	72.61	248.69	89.34	1,441.84	-7,067.15	6,169.85	5,887.85	282.01	21.878		
9,300.00	7,133.26	7,173.26	7,173.26	75.13	248.70	89.35	1,441.84	-7,067.15	6,071.28	5,789.03	282.25	21.510		
9,400.00	7,133.46	7,173.46	7,173.46	77.66	248.70	89.36	1,441.84	-7,067.15	5,972.75	5,690.23	282.51	21.141		
9,500.00	7,133.65	7,173.65	7,173.65	80.22	248.71	89.38	1,441.84	-7,067.15	5,874.27	5,591.46	282.80	20.772		
9,600.00	7,133.84	7,173.84	7,173.84	82.80	248.72	89.39	1,441.84	-7,067.15	5,775.84	5,492.73	283.11	20.401		
9,700.00	7,134.04	7,174.04	7,174.04	85.40	248.72	89.40	1,441.84	-7,067.15	5,677.46	5,394.02	283.44	20.030		
9,800.00	7,134.23	7,174.23	7,174.23	88.01	248.73	89.41	1,441.84	-7,067.15	5,579.15	5,295.35	283.80	19.659		
9,900.00	7,134.43	7,174.43	7,174.43	90.64	248.74	89.42	1,441.84	-7,067.15	5,480.89	5,196.71	284.18	19.286		
10,000.00	7,134.62	7,174.62	7,174.62	93.28	248.74	89.43	1,441.84	-7,067.15	5,382.70	5,098.11	284.60	18.913		
10,100.00	7,134.81	7,174.81	7,174.81	95.94	248.75	89.44	1,441.84	-7,067.15	5,284.58	4,999.54	285.04	18.540		
10,200.00	7,135.01	7,175.01	7,175.01	98.61	248.76	89.45	1,441.84	-7,067.15	5,186.53	4,901.01	285.52	18.165		
10,300.00	7,135.20	7,175.20	7,175.20	101.28	248.76	89.46	1,441.84	-7,067.15	5,088.56	4,802.53	286.03	17.790		
10,400.00	7,135.39	7,175.39	7,175.39	103.97	248.77	89.47	1,441.84	-7,067.15	4,990.66	4,704.08	286.58	17.415		
10,500.00	7,135.59	7,175.59	7,175.59	106.67	248.78	89.48	1,441.84	-7,067.15	4,892.85	4,605.69	287.17	17.038		
10,600.00	7,135.78	7,175.78	7,175.78	109.38	248.78	89.49	1,441.84	-7,067.15	4,795.13	4,507.34	287.79	16.662		
10,700.00	7,135.98	7,175.98	7,175.98	112.09	248.79	89.50	1,441.84	-7,067.15	4,697.51	4,409.04	288.47	16.284		
10,800.00	7,136.17	7,176.17	7,176.17	114.81	248.80	89.52	1,441.84	-7,067.15	4,599.99	4,310.80	289.19	15.906		
10,900.00	7,136.36	7,176.36	7,176.36	117.54	248.80	89.53	1,441.84	-7,067.15	4,502.58	4,212.62	289.96	15.528		
11,000.00	7,136.56	7,176.56	7,176.56	120.28	248.81	89.54	1,441.84	-7,067.15	4,405.28	4,114.49	290.79	15.150		
11,100.00	7,136.75	7,176.75	7,176.75	123.02	248.82	89.55	1,441.84	-7,067.15	4,308.11	4,016.44	291.67	14.771		
11,200.00	7,136.95	7,176.95	7,176.95	125.76	248.82	89.56	1,441.84	-7,067.15	4,211.07	3,918.46	292.61	14.391		
11,300.00	7,137.14	7,177.14	7,177.14	128.52	248.83	89.57	1,441.84	-7,067.15	4,114.17	3,820.55	293.62	14.012		
11,400.00	7,137.33	7,177.33	7,177.33	131.27	248.84	89.58	1,441.84	-7,067.15	4,017.42	3,722.72	294.70	13.632		
11,500.00	7,137.53	7,177.53	7,177.53	134.03	248.84	89.59	1,441.84	-7,067.15	3,920.84	3,624.99	295.85	13.253		
11,600.00	7,137.72	7,177.72	7,177.72	136.80	248.85	89.60	1,441.84	-7,067.15	3,824.43	3,527.34	297.09	12.873		
11,700.00	7,137.92	7,177.92	7,177.92	139.57	248.86	89.61	1,441.84	-7,067.15	3,728.22	3,429.81	298.41	12.494		
11,800.00	7,138.11	7,178.11	7,178.11	142.34	248.86	89.62	1,441.84	-7,067.15	3,632.20	3,332.38	299.82	12.115		
11,900.00	7,138.30	7,178.30	7,178.30	145.12	248.87	89.63	1,441.84	-7,067.15	3,536.41	3,235.07	301.33	11.736		
12,000.00	7,138.50	7,178.50	7,178.50	147.90	248.88	89.65	1,441.84	-7,067.15	3,440.86	3,137.90	302.95	11.358		
12,100.00	7,138.69	7,178.69	7,178.69	150.68	248.88	89.66	1,441.84	-7,067.15	3,345.56	3,040.87	304.69	10.980		
12,200.00	7,138.88	7,178.88	7,178.88	153.47	248.89	89.67	1,441.84	-7,067.15	3,250.55	2,944.00	306.55	10.604		
12,300.00	7,139.08	7,179.08	7,179.08	156.26	248.90	89.68	1,441.84	-7,067.15	3,155.85	2,847.31	308.54	10.228		
12,400.00	7,139.27	7,179.27	7,179.27	159.05	248.91	89.69	1,441.84	-7,067.15	3,061.48	2,750.81	310.68	9.854		
12,500.00	7,139.47	7,179.47	7,179.47	161.85	248.91	89.70	1,441.84	-7,067.15	2,967.49	2,654.51	312.97	9.482		
12,600.00	7,139.66	7,179.66	7,179.66	164.64	248.92	89.71	1,441.84	-7,067.15	2,873.90	2,558.46	315.44	9.111		
12,700.00	7,139.85	7,179.85	7,179.85	167.44	248.93	89.72	1,441.84	-7,067.15	2,780.75	2,462.66	318.09	8.742		
12,800.00	7,140.05	7,180.05	7,180.05	170.24	248.93	89.73	1,441.84	-7,067.15	2,688.10	2,367.16	320.94	8.376		
12,900.00	7,140.24	7,180.24	7,180.24	173.05	248.94	89.74	1,441.84	-7,067.15	2,595.99	2,271.98	324.01	8.012		
13,000.00	7,140.44	7,180.44	7,180.44	175.85	248.95	89.75	1,441.84	-7,067.15	2,504.49	2,177.17	327.32	7.651		
13,100.00	7,140.63	7,180.63	7,180.63	178.66	248.95	89.76	1,441.84	-7,067.15	2,413.66	2,082.77	330.89	7.294		
13,200.00	7,140.82	7,180.82	7,180.82	181.47	248.96	89.77	1,441.84	-7,067.15	2,323.59	1,988.84	334.75	6.941		
13,300.00	7,141.02	7,181.02	7,181.02	184.28	248.97	89.79	1,441.84	-7,067.15	2,234.36	1,895.45	338.91	6.593		
13,400.00	7,141.21	7,181.21	7,181.21	187.10	248.97	89.80	1,441.84	-7,067.15	2,146.08	1,802.66	343.42	6.249		
13,500.00	7,141.41	7,181.41	7,181.41	189.91	248.98	89.81	1,441.84	-7,067.15	2,058.87	1,710.58	348.29	5.911		
13,600.00	7,141.60	7,181.60	7,181.60	192.73	248.99	89.82	1,441.84	-7,067.15	1,972.88	1,619.30	353.57	5.580		
13,700.00	7,141.79	7,181.79	7,181.79	195.54	248.99	89.83	1,441.84	-7,067.15	1,888.27	1,528.98	359.29	5.256		
13,800.00	7,141.99	7,181.99	7,181.99	198.36	249.00	89.84	1,441.84	-7,067.15	1,805.23	1,439.75	365.48	4.939		
13,900.00	7,142.18	7,182.18	7,182.18	201.18	249.01	89.85	1,441.84	-7,067.15	1,723.99	1,351.81	372.18	4.632		
14,000.00	7,142.37	7,182.37	7,182.37	204.01	249.01	89.86	1,441.84	-7,067.15	1,644.82	1,265.41	379.41	4.335		
14,100.00	7,142.57	7,182.57	7,182.57	206.83	249.02	89.87	1,441.84	-7,067.15	1,568.04	1,180.83	387.21	4.050		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	7,182.76	7,182.76	209.65	249.03	89.88	1,441.84	-7,067.15	1,494.00	1,098.42	395.58	3.777		
14,300.00	7,142.96	7,182.96	7,182.96	212.48	249.03	89.89	1,441.84	-7,067.15	1,423.14	1,018.63	404.52	3.518		
14,400.00	7,143.15	7,183.15	7,183.15	215.30	249.04	89.90	1,441.84	-7,067.15	1,355.96	941.97	413.99	3.275		
14,500.00	7,143.34	7,183.34	7,183.34	218.13	249.05	89.92	1,441.84	-7,067.15	1,293.03	869.11	423.91	3.050		
14,600.00	7,143.54	7,183.54	7,183.54	220.96	249.05	89.93	1,441.84	-7,067.15	1,235.00	800.83	434.17	2.845		
14,700.00	7,143.73	7,183.73	7,183.73	223.79	249.06	89.94	1,441.84	-7,067.15	1,182.59	738.05	444.54	2.660		
14,800.00	7,143.93	7,183.93	7,183.93	226.62	249.07	89.95	1,441.84	-7,067.15	1,136.58	681.81	454.77	2.499		
14,838.32	7,144.00	7,184.00	7,184.00	227.70	249.07	89.95	1,441.84	-7,067.15	1,120.81	662.25	458.57	2.444		
14,900.00	7,144.12	7,184.12	7,184.12	229.45	249.07	89.96	1,441.84	-7,067.15	1,098.40	633.90	464.50	2.365		
15,000.00	7,144.32	7,184.32	7,184.32	232.26	249.08	89.98	1,441.84	-7,067.15	1,071.38	598.05	473.34	2.263		
15,027.81	7,144.37	7,184.37	7,184.37	233.04	249.08	89.98	1,441.84	-7,067.15	1,066.02	590.46	475.56	2.242		
15,100.00	7,144.51	7,184.51	7,184.51	235.07	249.09	89.99	1,441.84	-7,067.15	1,055.76	575.03	480.73	2.196		
15,200.00	7,144.71	7,184.71	7,184.71	237.87	249.09	90.00	1,441.84	-7,067.15	1,049.62	563.34	486.28	2.158		
15,214.70	7,144.74	7,184.74	7,184.74	238.28	249.10	90.00	1,441.84	-7,067.15	1,049.51	562.60	486.92	2.155 CC, ES		
15,300.00	7,144.91	7,184.91	7,184.91	240.68	249.10	90.01	1,441.84	-7,067.15	1,052.98	563.24	489.74	2.150 SF		
15,400.00	7,145.10	7,185.10	7,185.10	243.48	249.11	90.02	1,441.84	-7,067.15	1,065.75	574.68	491.06	2.170		
15,500.00	7,145.30	7,185.30	7,185.30	246.29	249.12	90.03	1,441.84	-7,067.15	1,087.60	597.23	490.37	2.218		
15,600.00	7,145.50	7,185.50	7,185.50	249.10	249.12	90.04	1,441.84	-7,067.15	1,118.01	630.10	487.90	2.291		
15,700.00	7,145.69	7,185.69	7,185.69	251.91	249.13	90.05	1,441.84	-7,067.15	1,156.29	672.29	484.00	2.389		
15,800.00	7,145.89	7,185.89	7,185.89	254.71	249.14	90.06	1,441.84	-7,067.15	1,201.69	722.69	479.00	2.509		
15,900.00	7,146.09	7,186.09	7,186.09	257.52	249.14	90.07	1,441.84	-7,067.15	1,253.44	780.18	473.26	2.649		
16,000.00	7,146.28	7,186.28	7,186.28	260.34	249.15	90.08	1,441.84	-7,067.15	1,310.79	843.72	467.07	2.806		
16,100.00	7,146.48	7,186.48	7,186.48	263.15	249.16	90.10	1,441.84	-7,067.15	1,373.04	912.37	460.67	2.981		
16,200.00	7,146.68	7,186.68	7,186.68	265.96	249.16	90.11	1,441.84	-7,067.15	1,439.55	985.30	454.24	3.169		
16,300.00	7,146.87	7,186.87	7,186.87	268.77	249.17	90.12	1,441.84	-7,067.15	1,509.75	1,061.84	447.92	3.371		
16,400.00	7,147.07	7,187.07	7,187.07	271.58	249.18	90.13	1,441.84	-7,067.15	1,583.17	1,141.38	441.79	3.584		
16,500.00	7,147.27	7,187.27	7,187.27	274.40	249.18	90.14	1,441.84	-7,067.15	1,659.36	1,223.46	435.90	3.807		
16,600.00	7,147.46	7,187.46	7,187.46	277.21	249.19	90.15	1,441.84	-7,067.15	1,737.97	1,307.66	430.31	4.039		
16,700.00	7,147.66	7,187.66	7,187.66	280.03	249.20	90.16	1,441.84	-7,067.15	1,818.68	1,393.67	425.01	4.279		
16,800.00	7,147.86	7,187.86	7,187.86	282.84	249.20	90.17	1,441.84	-7,067.15	1,901.22	1,481.21	420.01	4.527		
16,900.00	7,148.05	7,188.05	7,188.05	285.66	249.21	90.18	1,441.84	-7,067.15	1,985.37	1,570.06	415.31	4.780		
17,000.00	7,148.25	7,188.25	7,188.25	288.48	249.22	90.19	1,441.84	-7,067.15	2,070.94	1,660.04	410.90	5.040		
17,100.00	7,148.45	7,188.45	7,188.45	291.29	249.23	90.20	1,441.84	-7,067.15	2,157.74	1,750.98	406.76	5.305		
17,200.00	7,148.64	7,188.64	7,188.64	294.11	249.23	90.21	1,441.84	-7,067.15	2,245.64	1,842.76	402.88	5.574		
17,300.00	7,148.84	7,188.84	7,188.84	296.93	249.24	90.22	1,441.84	-7,067.15	2,334.51	1,935.28	399.24	5.847		
17,400.00	7,149.04	7,189.04	7,189.04	299.75	249.25	90.23	1,441.84	-7,067.15	2,424.25	2,028.43	395.82	6.125		
17,500.00	7,149.23	7,189.23	7,189.23	302.57	249.25	90.25	1,441.84	-7,067.15	2,514.77	2,122.15	392.62	6.405		
17,600.00	7,149.43	7,189.43	7,189.43	305.39	249.26	90.26	1,441.84	-7,067.15	2,605.98	2,216.36	389.61	6.689		
17,700.00	7,149.63	7,189.63	7,189.63	308.21	249.27	90.27	1,441.84	-7,067.15	2,697.81	2,311.02	386.79	6.975		
17,800.00	7,149.82	7,189.82	7,189.82	311.03	249.27	90.28	1,441.84	-7,067.15	2,790.20	2,406.07	384.13	7.264		
17,900.00	7,150.02	7,209.98	7,190.02	313.85	249.98	90.29	1,441.84	-7,067.15	2,883.11	2,500.78	382.33	7.541		
18,000.00	7,150.22	7,209.78	7,190.22	316.67	249.97	90.30	1,441.84	-7,067.15	2,976.47	2,596.51	379.96	7.834		
18,100.00	7,150.41	7,209.59	7,190.41	319.49	249.96	90.31	1,441.84	-7,067.15	3,070.25	2,692.53	377.72	8.128		
18,200.00	7,150.61	7,209.39	7,190.61	322.32	249.96	90.32	1,441.84	-7,067.15	3,164.41	2,788.80	375.61	8.425		
18,300.00	7,150.81	7,209.19	7,190.81	325.14	249.95	90.33	1,441.84	-7,067.15	3,258.92	2,885.30	373.62	8.723		
18,400.00	7,151.00	7,209.00	7,191.00	327.96	249.94	90.34	1,441.84	-7,067.15	3,353.74	2,982.02	371.73	9.022		
18,500.00	7,151.20	7,208.80	7,191.20	330.78	249.94	90.35	1,441.84	-7,067.15	3,448.86	3,078.92	369.94	9.323		
18,600.00	7,151.40	7,208.60	7,191.40	333.61	249.93	90.36	1,441.84	-7,067.15	3,544.25	3,176.00	368.25	9.625		
18,700.00	7,151.59	7,208.41	7,191.59	336.43	249.92	90.37	1,441.84	-7,067.15	3,639.89	3,273.25	366.64	9.928		
18,800.00	7,151.79	7,208.21	7,191.79	339.26	249.92	90.39	1,441.84	-7,067.15	3,735.75	3,370.64	365.11	10.232		
18,906.26	7,152.00	7,208.00	7,192.00	342.26	249.91	90.40	1,441.84	-7,067.15	3,837.85	3,474.28	363.57	10.556		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-77.70	1,248.41	-5,724.06	5,858.62					
100.00	100.00	130.00	130.00	3.28	4.31	-77.70	1,248.41	-5,724.06	5,858.62	5,851.03	7.59	771.621		
200.00	200.00	230.00	230.00	3.34	7.09	-77.70	1,248.41	-5,724.06	5,858.62	5,848.19	10.43	561.958		
300.00	299.98	329.98	329.98	3.44	10.31	-157.69	1,248.41	-5,724.06	5,860.23	5,846.48	13.75	426.107		
400.00	399.84	429.84	429.84	3.60	13.66	-157.67	1,248.41	-5,724.06	5,865.08	5,847.82	17.26	339.798		
500.00	499.45	529.45	529.45	3.81	17.06	-157.64	1,248.41	-5,724.06	5,873.14	5,852.28	20.86	281.535		
600.00	598.70	628.70	628.70	4.06	20.47	-157.60	1,248.41	-5,724.06	5,884.42	5,859.91	24.52	240.011		
700.00	697.47	727.47	727.47	4.34	23.88	-157.55	1,248.41	-5,724.06	5,898.91	5,870.70	28.21	209.127		
785.50	781.43	811.43	811.43	4.61	26.78	-157.49	1,248.41	-5,724.06	5,913.83	5,882.45	31.38	188.468		
800.00	795.63	825.63	825.63	4.66	27.28	-157.50	1,248.41	-5,724.06	5,916.55	5,884.63	31.92	185.355		
900.00	893.55	923.55	923.55	5.02	30.67	-157.58	1,248.41	-5,724.06	5,935.37	5,899.72	35.64	166.526		
1,000.00	991.47	1,021.47	1,021.47	5.40	34.07	-157.65	1,248.41	-5,724.06	5,954.19	5,914.80	39.39	151.161		
1,100.00	1,089.39	1,119.39	1,119.39	5.80	37.48	-157.73	1,248.41	-5,724.06	5,973.02	5,929.86	43.16	138.400		
1,200.00	1,187.31	1,217.31	1,217.31	6.21	40.88	-157.80	1,248.41	-5,724.06	5,991.86	5,944.92	46.94	127.644		
1,300.00	1,285.22	1,315.22	1,315.22	6.64	44.29	-157.87	1,248.41	-5,724.06	6,010.71	5,959.98	50.74	118.462		
1,400.00	1,383.14	1,413.14	1,413.14	7.08	47.70	-157.95	1,248.41	-5,724.06	6,029.58	5,975.03	54.55	110.537		
1,500.00	1,481.06	1,511.06	1,511.06	7.52	51.11	-158.02	1,248.41	-5,724.06	6,048.45	5,990.08	58.37	103.630		
1,600.00	1,578.98	1,608.98	1,608.98	7.98	54.52	-158.09	1,248.41	-5,724.06	6,067.33	6,005.13	62.19	97.559		
1,700.00	1,676.90	1,706.90	1,706.90	8.44	57.94	-158.16	1,248.41	-5,724.06	6,086.21	6,020.19	66.02	92.183		
1,800.00	1,774.82	1,804.82	1,804.82	8.90	61.35	-158.23	1,248.41	-5,724.06	6,105.11	6,035.25	69.86	87.390		
1,900.00	1,872.74	1,902.74	1,902.74	9.37	64.76	-158.30	1,248.41	-5,724.06	6,124.02	6,050.32	73.70	83.092		
2,000.00	1,970.66	2,000.66	2,000.66	9.84	68.18	-158.37	1,248.41	-5,724.06	6,142.93	6,065.39	77.55	79.215		
2,100.00	2,068.57	2,101.43	2,098.57	10.32	71.69	-158.44	1,248.41	-5,724.06	6,161.86	6,080.36	81.50	75.609		
2,200.00	2,166.49	2,203.51	2,196.49	10.80	75.25	-158.51	1,248.41	-5,724.06	6,180.79	6,095.30	85.49	72.295		
2,300.00	2,264.41	2,305.59	2,294.41	11.28	78.81	-158.58	1,248.41	-5,724.06	6,199.73	6,110.24	89.49	69.275		
2,400.00	2,362.33	2,407.67	2,392.33	11.76	82.37	-158.65	1,248.41	-5,724.06	6,218.68	6,125.18	93.50	66.512		
2,500.00	2,460.25	2,509.75	2,490.25	12.24	85.93	-158.71	1,248.41	-5,724.06	6,237.64	6,140.14	97.50	63.975		
2,600.00	2,558.17	2,588.17	2,588.17	12.73	88.67	-158.78	1,248.41	-5,724.06	6,256.61	6,155.92	100.68	62.142		
2,700.00	2,656.09	2,686.09	2,686.09	13.22	92.08	-158.85	1,248.41	-5,724.06	6,275.58	6,171.04	104.55	60.028		
2,800.00	2,754.01	2,784.01	2,784.01	13.71	95.50	-158.91	1,248.41	-5,724.06	6,294.57	6,186.16	108.41	58.063		
2,900.00	2,851.92	2,881.92	2,881.92	14.20	98.92	-158.98	1,248.41	-5,724.06	6,313.56	6,201.28	112.27	56.233		
3,000.00	2,949.84	2,979.84	2,979.84	14.69	102.33	-159.05	1,248.41	-5,724.06	6,332.56	6,216.42	116.14	54.525		
3,100.00	3,047.76	3,077.76	3,077.76	15.18	105.75	-159.11	1,248.41	-5,724.06	6,351.56	6,231.56	120.01	52.926		
3,200.00	3,145.68	3,175.68	3,175.68	15.67	109.17	-159.18	1,248.41	-5,724.06	6,370.58	6,246.70	123.88	51.426		
3,300.00	3,243.60	3,273.60	3,273.60	16.17	112.58	-159.24	1,248.41	-5,724.06	6,389.60	6,261.86	127.75	50.018		
3,400.00	3,341.52	3,371.52	3,371.52	16.66	116.00	-159.30	1,248.41	-5,724.06	6,408.63	6,277.02	131.62	48.691		
3,500.00	3,439.44	3,469.44	3,469.44	17.16	119.42	-159.37	1,248.41	-5,724.06	6,427.67	6,292.19	135.49	47.441		
3,600.00	3,537.36	3,567.36	3,567.36	17.65	122.83	-159.43	1,248.41	-5,724.06	6,446.72	6,307.36	139.36	46.259		
3,700.00	3,635.27	3,665.27	3,665.27	18.15	126.25	-159.49	1,248.41	-5,724.06	6,465.77	6,322.54	143.23	45.142		
3,800.00	3,733.19	3,763.19	3,763.19	18.65	129.67	-159.56	1,248.41	-5,724.06	6,484.84	6,337.73	147.11	44.083		
3,900.00	3,831.11	3,861.11	3,861.11	19.14	133.09	-159.62	1,248.41	-5,724.06	6,503.91	6,352.93	150.98	43.078		
4,000.00	3,929.03	3,959.03	3,959.03	19.64	136.50	-159.68	1,248.41	-5,724.06	6,522.98	6,368.13	154.85	42.124		
4,100.00	4,026.95	4,056.95	4,056.95	20.14	139.92	-159.74	1,248.41	-5,724.06	6,542.07	6,383.34	158.73	41.216		
4,200.00	4,124.87	4,154.87	4,154.87	20.64	143.34	-159.80	1,248.41	-5,724.06	6,561.16	6,398.56	162.60	40.351		
4,300.00	4,222.79	4,252.79	4,252.79	21.14	146.76	-159.87	1,248.41	-5,724.06	6,580.26	6,413.78	166.48	39.527		
4,400.00	4,320.71	4,350.71	4,350.71	21.64	150.17	-159.93	1,248.41	-5,724.06	6,599.36	6,429.01	170.35	38.740		
4,500.00	4,418.62	4,448.62	4,448.62	22.14	153.59	-159.99	1,248.41	-5,724.06	6,618.47	6,444.25	174.23	37.988		
4,600.00	4,516.54	4,546.54	4,546.54	22.64	157.01	-160.05	1,248.41	-5,724.06	6,637.59	6,459.49	178.10	37.268		
4,700.00	4,614.46	4,644.46	4,644.46	23.14	160.43	-160.11	1,248.41	-5,724.06	6,656.72	6,474.74	181.98	36.580		
4,800.00	4,712.38	4,742.38	4,742.38	23.64	163.84	-160.16	1,248.41	-5,724.06	6,675.86	6,490.00	185.86	35.920		
4,900.00	4,810.30	4,840.30	4,840.30	24.14	167.26	-160.22	1,248.41	-5,724.06	6,695.00	6,505.26	189.73	35.286		
5,000.00	4,908.22	4,938.22	4,938.22	24.64	170.68	-160.28	1,248.41	-5,724.06	6,714.14	6,520.53	193.61	34.679		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,036.14	5,036.14	25.14	174.10	-160.34	1,248.41	-5,724.06	6,733.30	6,535.81	197.49	34.095		
5,200.00	5,104.06	5,134.06	5,134.06	25.64	177.52	-160.40	1,248.41	-5,724.06	6,752.46	6,551.09	201.36	33.534		
5,300.00	5,201.97	5,231.97	5,231.97	26.14	180.93	-160.45	1,248.41	-5,724.06	6,771.62	6,566.38	205.24	32.993		
5,400.00	5,299.89	5,329.89	5,329.89	26.64	184.35	-160.51	1,248.41	-5,724.06	6,790.80	6,581.68	209.12	32.473		
5,500.00	5,397.81	5,427.81	5,427.81	27.15	187.77	-160.57	1,248.41	-5,724.06	6,809.98	6,596.98	213.00	31.972		
5,600.00	5,495.73	5,525.73	5,525.73	27.65	191.19	-160.63	1,248.41	-5,724.06	6,829.17	6,612.29	216.88	31.489		
5,700.00	5,593.65	5,623.65	5,623.65	28.15	194.60	-160.68	1,248.41	-5,724.06	6,848.36	6,627.60	220.75	31.023		
5,800.00	5,691.57	5,721.57	5,721.57	28.65	198.02	-160.74	1,248.41	-5,724.06	6,867.56	6,642.93	224.63	30.572		
5,900.00	5,789.49	5,819.49	5,819.49	29.15	201.44	-160.79	1,248.41	-5,724.06	6,886.76	6,658.25	228.51	30.138		
6,000.00	5,887.41	5,917.41	5,917.41	29.66	204.86	-160.85	1,248.41	-5,724.06	6,905.98	6,673.59	232.39	29.717		
6,100.00	5,985.32	6,015.32	6,015.32	30.16	208.28	-160.90	1,248.41	-5,724.06	6,925.19	6,688.93	236.27	29.311		
6,200.00	6,083.24	6,113.24	6,113.24	30.66	211.69	-160.96	1,248.41	-5,724.06	6,944.42	6,704.27	240.15	28.917		
6,300.00	6,181.16	6,211.16	6,211.16	31.16	215.11	-161.01	1,248.41	-5,724.06	6,963.65	6,719.62	244.03	28.536		
6,400.00	6,279.08	6,309.08	6,309.08	31.67	218.53	-161.07	1,248.41	-5,724.06	6,982.89	6,734.98	247.91	28.167		
6,490.03	6,367.24	6,402.76	6,397.24	32.12	221.80	-161.11	1,248.41	-5,724.06	7,000.21	6,748.62	251.59	27.824		
6,500.00	6,377.01	6,407.01	6,407.01	32.17	221.95	-160.22	1,248.41	-5,724.06	7,002.05	6,750.27	251.79	27.810		
6,550.00	6,426.43	6,456.43	6,456.43	32.40	223.67	-151.90	1,248.41	-5,724.06	7,008.99	6,755.26	253.73	27.624		
6,600.00	6,476.27	6,506.27	6,506.27	32.61	225.41	-117.30	1,248.41	-5,724.06	7,012.05	6,756.37	255.68	27.425		
6,650.00	6,526.21	6,556.21	6,556.21	32.80	227.16	-31.07	1,248.41	-5,724.06	7,011.23	6,753.61	257.61	27.216		
6,700.00	6,575.96	6,605.96	6,605.96	32.98	228.89	-9.98	1,248.41	-5,724.06	7,006.51	6,746.99	259.52	26.998		
6,750.00	6,625.19	6,655.19	6,655.19	33.16	230.61	-3.60	1,248.41	-5,724.06	6,997.94	6,736.55	261.39	26.772		
6,800.00	6,673.62	6,703.62	6,703.62	33.35	232.30	-0.53	1,248.41	-5,724.06	6,985.56	6,722.35	263.21	26.539		
6,850.00	6,720.94	6,750.94	6,750.94	33.55	233.95	1.34	1,248.41	-5,724.06	6,969.45	6,704.47	264.98	26.301		
6,900.00	6,766.86	6,803.14	6,796.86	33.76	235.78	2.69	1,248.41	-5,724.06	6,949.72	6,682.81	266.91	26.038		
6,950.00	6,811.10	6,841.10	6,841.10	33.98	237.10	3.78	1,248.41	-5,724.06	6,926.47	6,658.15	268.32	25.814		
7,000.00	6,853.38	6,883.38	6,883.38	34.23	238.58	4.76	1,248.41	-5,724.06	6,899.86	6,629.99	269.87	25.568		
7,050.00	6,893.45	6,923.45	6,923.45	34.50	239.98	5.72	1,248.41	-5,724.06	6,870.05	6,598.73	271.32	25.321		
7,100.00	6,931.05	6,961.05	6,961.05	34.79	241.29	6.73	1,248.41	-5,724.06	6,837.22	6,564.55	272.68	25.075		
7,150.00	6,965.96	7,004.04	6,995.96	35.12	242.79	7.85	1,248.41	-5,724.06	6,801.58	6,527.38	274.21	24.804		
7,200.00	6,997.96	7,027.96	7,027.96	35.47	243.62	9.16	1,248.41	-5,724.06	6,763.35	6,488.29	275.06	24.588		
7,250.00	7,026.85	7,056.85	7,056.85	35.86	244.63	10.76	1,248.41	-5,724.06	6,722.77	6,446.68	276.08	24.350		
7,300.00	7,052.45	7,082.45	7,082.45	36.29	245.53	12.80	1,248.41	-5,724.06	6,680.07	6,403.09	276.98	24.117		
7,350.00	7,074.61	7,104.61	7,104.61	36.76	246.30	15.54	1,248.41	-5,724.06	6,635.54	6,357.78	277.76	23.890		
7,400.00	7,093.19	7,123.19	7,123.19	37.27	246.95	19.39	1,248.41	-5,724.06	6,589.44	6,311.04	278.41	23.668		
7,450.00	7,108.07	7,138.07	7,138.07	37.81	247.47	25.18	1,248.41	-5,724.06	6,542.06	6,263.14	278.92	23.455		
7,500.00	7,119.17	7,149.17	7,149.17	38.39	247.85	34.59	1,248.41	-5,724.06	6,493.70	6,214.38	279.31	23.249		
7,550.00	7,126.41	7,156.41	7,156.41	38.99	248.11	51.00	1,248.41	-5,724.06	6,444.64	6,165.07	279.57	23.052		
7,600.00	7,129.75	7,159.75	7,159.75	39.62	248.22	78.42	1,248.41	-5,724.06	6,395.20	6,115.50	279.70	22.865		
7,616.41	7,130.00	7,160.00	7,160.00	39.83	248.23	89.19	1,248.41	-5,724.06	6,378.95	6,099.23	279.71	22.805		
7,700.00	7,130.16	7,160.16	7,160.16	40.97	248.24	89.20	1,248.41	-5,724.06	6,296.13	6,016.38	279.75	22.506		
7,800.00	7,130.35	7,160.35	7,160.35	42.46	248.24	89.21	1,248.41	-5,724.06	6,197.09	5,917.28	279.81	22.148		
7,900.00	7,130.55	7,160.55	7,160.55	44.09	248.25	89.22	1,248.41	-5,724.06	6,098.08	5,818.21	279.87	21.789		
8,000.00	7,130.74	7,160.74	7,160.74	45.84	248.26	89.24	1,248.41	-5,724.06	5,999.10	5,719.16	279.95	21.429		
8,100.00	7,130.94	7,160.94	7,160.94	47.70	248.26	89.25	1,248.41	-5,724.06	5,900.16	5,620.13	280.03	21.070		
8,200.00	7,131.13	7,161.13	7,161.13	49.65	248.27	89.26	1,248.41	-5,724.06	5,801.26	5,521.13	280.13	20.709		
8,300.00	7,131.32	7,161.32	7,161.32	51.70	248.28	89.27	1,248.41	-5,724.06	5,702.39	5,422.15	280.24	20.349		
8,400.00	7,131.52	7,161.52	7,161.52	53.81	248.29	89.29	1,248.41	-5,724.06	5,603.56	5,323.20	280.36	19.987		
8,500.00	7,131.71	7,161.71	7,161.71	55.99	248.29	89.30	1,248.41	-5,724.06	5,504.78	5,224.28	280.49	19.625		
8,600.00	7,131.90	7,161.90	7,161.90	58.24	248.30	89.31	1,248.41	-5,724.06	5,406.03	5,125.39	280.64	19.263		
8,700.00	7,132.10	7,162.10	7,162.10	60.53	248.31	89.33	1,248.41	-5,724.06	5,307.34	5,026.53	280.81	18.900		
8,800.00	7,132.29	7,162.29	7,162.29	62.87	248.31	89.34	1,248.41	-5,724.06	5,208.70	4,927.70	281.00	18.537		
8,900.00	7,132.49	7,162.49	7,162.49	65.25	248.32	89.35	1,248.41	-5,724.06	5,110.11	4,828.91	281.20	18.173		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,162.68	7,162.68	67.68	248.33	89.36	1,248.41	-5,724.06	5,011.57	4,730.15	281.42	17.808		
9,100.00	7,132.87	7,162.87	7,162.87	70.13	248.33	89.38	1,248.41	-5,724.06	4,913.10	4,631.42	281.67	17.443		
9,200.00	7,133.07	7,163.07	7,163.07	72.61	248.34	89.39	1,248.41	-5,724.06	4,814.68	4,532.74	281.94	17.077		
9,300.00	7,133.26	7,163.26	7,163.26	75.13	248.35	89.40	1,248.41	-5,724.06	4,716.34	4,434.10	282.24	16.710		
9,400.00	7,133.46	7,163.46	7,163.46	77.66	248.35	89.42	1,248.41	-5,724.06	4,618.06	4,335.50	282.57	16.343		
9,500.00	7,133.65	7,163.65	7,163.65	80.22	248.36	89.43	1,248.41	-5,724.06	4,519.86	4,236.94	282.92	15.976		
9,600.00	7,133.84	7,163.84	7,163.84	82.80	248.37	89.44	1,248.41	-5,724.06	4,421.74	4,138.43	283.31	15.607		
9,700.00	7,134.04	7,164.04	7,164.04	85.40	248.37	89.45	1,248.41	-5,724.06	4,323.71	4,039.97	283.74	15.238		
9,800.00	7,134.23	7,164.23	7,164.23	88.01	248.38	89.47	1,248.41	-5,724.06	4,225.77	3,941.57	284.20	14.869		
9,900.00	7,134.43	7,164.43	7,164.43	90.64	248.39	89.48	1,248.41	-5,724.06	4,127.93	3,843.22	284.70	14.499		
10,000.00	7,134.62	7,164.62	7,164.62	93.28	248.39	89.49	1,248.41	-5,724.06	4,030.19	3,744.94	285.25	14.128		
10,100.00	7,134.81	7,164.81	7,164.81	95.94	248.40	89.51	1,248.41	-5,724.06	3,932.57	3,646.72	285.85	13.757		
10,200.00	7,135.01	7,165.01	7,165.01	98.61	248.41	89.52	1,248.41	-5,724.06	3,835.07	3,548.56	286.51	13.386		
10,300.00	7,135.20	7,165.20	7,165.20	101.28	248.41	89.53	1,248.41	-5,724.06	3,737.70	3,450.49	287.22	13.014		
10,400.00	7,135.39	7,165.39	7,165.39	103.97	248.42	89.54	1,248.41	-5,724.06	3,640.48	3,352.49	287.99	12.641		
10,500.00	7,135.59	7,165.59	7,165.59	106.67	248.43	89.56	1,248.41	-5,724.06	3,543.41	3,254.58	288.83	12.268		
10,600.00	7,135.78	7,165.78	7,165.78	109.38	248.43	89.57	1,248.41	-5,724.06	3,446.51	3,156.76	289.75	11.895		
10,700.00	7,135.98	7,165.98	7,165.98	112.09	248.44	89.58	1,248.41	-5,724.06	3,349.79	3,059.04	290.74	11.521		
10,800.00	7,136.17	7,166.17	7,166.17	114.81	248.45	89.60	1,248.41	-5,724.06	3,253.26	2,961.43	291.83	11.148		
10,900.00	7,136.36	7,166.36	7,166.36	117.54	248.45	89.61	1,248.41	-5,724.06	3,156.96	2,863.95	293.01	10.774		
11,000.00	7,136.56	7,166.56	7,166.56	120.28	248.46	89.62	1,248.41	-5,724.06	3,060.89	2,766.59	294.30	10.401		
11,100.00	7,136.75	7,166.75	7,166.75	123.02	248.47	89.63	1,248.41	-5,724.06	2,965.08	2,669.38	295.70	10.027		
11,200.00	7,136.95	7,166.95	7,166.95	125.76	248.47	89.65	1,248.41	-5,724.06	2,869.56	2,572.34	297.22	9.655		
11,300.00	7,137.14	7,167.14	7,167.14	128.52	248.48	89.66	1,248.41	-5,724.06	2,774.35	2,475.46	298.89	9.282		
11,400.00	7,137.33	7,167.33	7,167.33	131.27	248.49	89.67	1,248.41	-5,724.06	2,679.49	2,378.79	300.70	8.911		
11,500.00	7,137.53	7,167.53	7,167.53	134.03	248.50	89.69	1,248.41	-5,724.06	2,585.02	2,282.34	302.68	8.540		
11,600.00	7,137.72	7,167.72	7,167.72	136.80	248.50	89.70	1,248.41	-5,724.06	2,490.98	2,186.13	304.85	8.171		
11,700.00	7,137.92	7,167.92	7,167.92	139.57	248.51	89.71	1,248.41	-5,724.06	2,397.43	2,090.21	307.22	7.804		
11,800.00	7,138.11	7,168.11	7,168.11	142.34	248.52	89.72	1,248.41	-5,724.06	2,304.41	1,994.60	309.81	7.438		
11,900.00	7,138.30	7,168.30	7,168.30	145.12	248.52	89.74	1,248.41	-5,724.06	2,212.01	1,899.36	312.65	7.075		
12,000.00	7,138.50	7,168.50	7,168.50	147.90	248.53	89.75	1,248.41	-5,724.06	2,120.29	1,804.53	315.76	6.715		
12,100.00	7,138.69	7,168.69	7,168.69	150.68	248.54	89.76	1,248.41	-5,724.06	2,029.36	1,710.17	319.18	6.358		
12,200.00	7,138.88	7,168.88	7,168.88	153.47	248.54	89.78	1,248.41	-5,724.06	1,939.31	1,616.37	322.94	6.005		
12,300.00	7,139.08	7,169.08	7,169.08	156.26	248.55	89.79	1,248.41	-5,724.06	1,850.30	1,523.22	327.07	5.657		
12,400.00	7,139.27	7,169.27	7,169.27	159.05	248.56	89.80	1,248.41	-5,724.06	1,762.46	1,430.83	331.63	5.315		
12,500.00	7,139.47	7,169.47	7,169.47	161.85	248.56	89.82	1,248.41	-5,724.06	1,675.98	1,339.34	336.64	4.979		
12,600.00	7,139.66	7,169.66	7,169.66	164.64	248.57	89.83	1,248.41	-5,724.06	1,591.09	1,248.92	342.17	4.650		
12,700.00	7,139.85	7,169.85	7,169.85	167.44	248.58	89.84	1,248.41	-5,724.06	1,508.05	1,159.80	348.26	4.330		
12,800.00	7,140.05	7,170.05	7,170.05	170.24	248.58	89.85	1,248.41	-5,724.06	1,427.19	1,072.24	354.96	4.021		
12,900.00	7,140.24	7,170.24	7,170.24	173.05	248.59	89.87	1,248.41	-5,724.06	1,348.90	986.59	362.31	3.723		
13,000.00	7,140.44	7,170.44	7,170.44	175.85	248.60	89.88	1,248.41	-5,724.06	1,273.66	903.31	370.34	3.439		
13,100.00	7,140.63	7,170.63	7,170.63	178.66	248.60	89.89	1,248.41	-5,724.06	1,202.02	822.96	379.06	3.171		
13,200.00	7,140.82	7,170.82	7,170.82	181.47	248.61	89.91	1,248.41	-5,724.06	1,134.69	746.26	388.43	2.921		
13,300.00	7,141.02	7,171.02	7,171.02	184.28	248.62	89.92	1,248.41	-5,724.06	1,072.46	674.12	398.34	2.692		
13,400.00	7,141.21	7,171.21	7,171.21	187.10	248.62	89.93	1,248.41	-5,724.06	1,016.28	607.70	408.58	2.487		
13,500.00	7,141.41	7,171.41	7,171.41	189.91	248.63	89.94	1,248.41	-5,724.06	967.20	548.36	418.85	2.309		
13,600.00	7,141.60	7,171.60	7,171.60	192.73	248.64	89.96	1,248.41	-5,724.06	926.36	497.69	428.67	2.161		
13,700.00	7,141.79	7,171.79	7,171.79	195.54	248.64	89.97	1,248.41	-5,724.06	884.87	457.38	437.49	2.045		
13,800.00	7,141.99	7,171.99	7,171.99	198.36	248.65	89.98	1,248.41	-5,724.06	843.76	429.08	444.68	1.965		
13,900.00	7,142.18	7,172.18	7,172.18	201.18	248.66	90.00	1,248.41	-5,724.06	803.78	414.10	449.67	1.921		
13,936.72	7,142.25	7,172.25	7,172.25	202.22	248.66	90.00	1,248.41	-5,724.06	863.00	412.12	450.88	1.914 CC, ES		
14,000.00	7,142.37	7,172.37	7,172.37	204.01	248.66	90.01	1,248.41	-5,724.06	865.31	413.19	452.12	1.914 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,172.57	7,172.57	206.83	248.67	90.02	1,248.41	-5,724.06	878.31	426.36	451.94	1.943		
14,200.00	7,142.76	7,172.76	7,172.76	209.65	248.68	90.03	1,248.41	-5,724.06	902.26	452.89	449.38	2.008		
14,300.00	7,142.96	7,172.96	7,172.96	212.48	248.68	90.05	1,248.41	-5,724.06	936.34	491.48	444.86	2.105		
14,400.00	7,143.15	7,173.15	7,173.15	215.30	248.69	90.06	1,248.41	-5,724.06	979.49	540.54	438.95	2.231		
14,500.00	7,143.34	7,173.34	7,173.34	218.13	248.70	90.07	1,248.41	-5,724.06	1,030.56	598.39	432.16	2.385		
14,600.00	7,143.54	7,173.54	7,173.54	220.96	248.70	90.09	1,248.41	-5,724.06	1,088.44	663.48	424.97	2.561		
14,700.00	7,143.73	7,173.73	7,173.73	223.79	248.71	90.10	1,248.41	-5,724.06	1,152.11	734.42	417.69	2.758		
14,800.00	7,143.93	7,173.93	7,173.93	226.62	248.72	90.11	1,248.41	-5,724.06	1,220.66	810.10	410.57	2.973		
14,838.32	7,144.00	7,174.00	7,174.00	227.70	248.72	90.12	1,248.41	-5,724.06	1,248.06	840.15	407.91	3.060		
14,900.00	7,144.12	7,174.12	7,174.12	229.45	248.73	90.13	1,248.41	-5,724.06	1,293.76	889.96	403.80	3.204		
15,000.00	7,144.32	7,174.32	7,174.32	232.26	248.73	90.15	1,248.41	-5,724.06	1,372.24	974.57	397.66	3.451		
15,027.81	7,144.37	7,174.37	7,174.37	233.04	248.73	90.16	1,248.41	-5,724.06	1,394.91	998.83	396.08	3.522		
15,100.00	7,144.51	7,174.51	7,174.51	235.07	248.74	90.17	1,248.41	-5,724.06	1,454.81	1,062.64	392.17	3.710		
15,200.00	7,144.71	7,174.71	7,174.71	237.87	248.75	90.19	1,248.41	-5,724.06	1,539.51	1,152.40	387.11	3.977		
15,300.00	7,144.91	7,174.91	7,174.91	240.68	248.75	90.20	1,248.41	-5,724.06	1,625.96	1,243.50	382.46	4.251		
15,400.00	7,145.10	7,175.10	7,175.10	243.48	248.76	90.22	1,248.41	-5,724.06	1,713.88	1,335.69	378.20	4.532		
15,500.00	7,145.30	7,175.30	7,175.30	246.29	248.77	90.23	1,248.41	-5,724.06	1,803.06	1,428.78	374.28	4.817		
15,600.00	7,145.50	7,175.50	7,175.50	249.10	248.77	90.24	1,248.41	-5,724.06	1,893.32	1,522.65	370.68	5.108		
15,700.00	7,145.69	7,175.69	7,175.69	251.91	248.78	90.26	1,248.41	-5,724.06	1,984.52	1,617.15	367.37	5.402		
15,800.00	7,145.89	7,175.89	7,175.89	254.71	248.79	90.27	1,248.41	-5,724.06	2,076.52	1,712.21	364.32	5.700		
15,900.00	7,146.09	7,176.09	7,176.09	257.52	248.79	90.29	1,248.41	-5,724.06	2,169.24	1,807.73	361.50	6.001		
16,000.00	7,146.28	7,176.28	7,176.28	260.34	248.80	90.30	1,248.41	-5,724.06	2,262.57	1,903.67	358.91	6.304		
16,100.00	7,146.48	7,176.48	7,176.48	263.15	248.81	90.31	1,248.41	-5,724.06	2,356.45	1,999.95	356.50	6.610		
16,200.00	7,146.68	7,176.68	7,176.68	265.96	248.81	90.33	1,248.41	-5,724.06	2,450.82	2,096.55	354.27	6.918		
16,300.00	7,146.87	7,176.87	7,176.87	268.77	248.82	90.34	1,248.41	-5,724.06	2,545.62	2,193.41	352.21	7.228		
16,400.00	7,147.07	7,177.07	7,177.07	271.58	248.83	90.36	1,248.41	-5,724.06	2,640.80	2,290.51	350.28	7.539		
16,500.00	7,147.27	7,177.27	7,177.27	274.40	248.83	90.37	1,248.41	-5,724.06	2,736.32	2,387.83	348.49	7.852		
16,600.00	7,147.46	7,177.46	7,177.46	277.21	248.84	90.39	1,248.41	-5,724.06	2,832.15	2,485.33	346.82	8.166		
16,700.00	7,147.66	7,177.66	7,177.66	280.03	248.85	90.40	1,248.41	-5,724.06	2,928.26	2,583.01	345.25	8.481		
16,800.00	7,147.86	7,177.86	7,177.86	282.84	248.86	90.41	1,248.41	-5,724.06	3,024.63	2,680.83	343.79	8.798		
16,900.00	7,148.05	7,178.05	7,178.05	285.66	248.86	90.43	1,248.41	-5,724.06	3,121.22	2,778.80	342.42	9.115		
17,000.00	7,148.25	7,178.25	7,178.25	288.48	248.87	90.44	1,248.41	-5,724.06	3,218.02	2,876.88	341.14	9.433		
17,100.00	7,148.45	7,178.45	7,178.45	291.29	248.88	90.46	1,248.41	-5,724.06	3,315.01	2,975.08	339.93	9.752		
17,200.00	7,148.64	7,178.64	7,178.64	294.11	248.88	90.47	1,248.41	-5,724.06	3,412.17	3,073.38	338.79	10.072		
17,300.00	7,148.84	7,178.84	7,178.84	296.93	248.89	90.48	1,248.41	-5,724.06	3,509.50	3,171.78	337.72	10.392		
17,400.00	7,149.04	7,179.04	7,179.04	299.75	248.90	90.50	1,248.41	-5,724.06	3,606.97	3,270.25	336.71	10.712		
17,500.00	7,149.23	7,179.23	7,179.23	302.57	248.90	90.51	1,248.41	-5,724.06	3,704.57	3,368.81	335.76	11.033		
17,600.00	7,149.43	7,179.43	7,179.43	305.39	248.91	90.53	1,248.41	-5,724.06	3,802.30	3,467.44	334.86	11.355		
17,700.00	7,149.63	7,179.63	7,179.63	308.21	248.92	90.54	1,248.41	-5,724.06	3,900.14	3,566.14	334.01	11.677		
17,800.00	7,149.82	7,179.82	7,179.82	311.03	248.92	90.56	1,248.41	-5,724.06	3,998.09	3,664.89	333.20	11.999		
17,900.00	7,150.02	7,180.02	7,180.02	313.85	248.93	90.57	1,248.41	-5,724.06	4,096.14	3,763.71	332.44	12.321		
18,000.00	7,150.22	7,180.22	7,180.22	316.67	248.94	90.58	1,248.41	-5,724.06	4,194.29	3,862.57	331.72	12.644		
18,100.00	7,150.41	7,180.41	7,180.41	319.49	248.94	90.60	1,248.41	-5,724.06	4,292.51	3,961.49	331.03	12.967		
18,200.00	7,150.61	7,180.61	7,180.61	322.32	248.95	90.61	1,248.41	-5,724.06	4,390.82	4,060.44	330.38	13.290		
18,300.00	7,150.81	7,180.81	7,180.81	325.14	248.96	90.63	1,248.41	-5,724.06	4,489.20	4,159.45	329.76	13.614		
18,400.00	7,151.00	7,181.00	7,181.00	327.96	248.97	90.64	1,248.41	-5,724.06	4,587.66	4,258.49	329.17	13.937		
18,500.00	7,151.20	7,181.20	7,181.20	330.78	248.97	90.65	1,248.41	-5,724.06	4,686.18	4,357.57	328.61	14.261		
18,600.00	7,151.40	7,181.40	7,181.40	333.61	248.98	90.67	1,248.41	-5,724.06	4,784.75	4,456.68	328.08	14.584		
18,700.00	7,151.59	7,181.59	7,181.59	336.43	248.99	90.68	1,248.41	-5,724.06	4,883.39	4,555.82	327.57	14.908		
18,800.00	7,151.79	7,181.79	7,181.79	339.26	248.99	90.70	1,248.41	-5,724.06	4,982.08	4,655.00	327.08	15.232		
18,906.26	7,152.00	7,182.00	7,182.00	342.26	249.00	90.71	1,248.41	-5,724.06	5,087.01	4,760.42	326.60	15.576		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-89.43	43.37	-4,371.96	4,372.17					
100.00	100.00	123.00	123.00	3.28	4.15	-89.43	43.37	-4,371.96	4,372.17	4,364.73	7.44	587.787		
200.00	200.00	223.00	223.00	3.34	6.87	-89.43	43.37	-4,371.96	4,372.17	4,361.96	10.21	428.238		
300.00	299.98	322.98	322.98	3.44	10.08	-169.43	43.37	-4,371.96	4,373.89	4,360.37	13.52	323.473		
400.00	399.84	422.84	422.84	3.60	13.42	-169.42	43.37	-4,371.96	4,379.03	4,362.01	17.02	257.229		
500.00	499.45	522.45	522.45	3.81	16.82	-169.41	43.37	-4,371.96	4,387.60	4,366.98	20.62	212.757		
600.00	598.70	621.70	621.70	4.06	20.23	-169.40	43.37	-4,371.96	4,399.58	4,375.30	24.28	181.217		
700.00	697.47	720.47	720.47	4.34	23.63	-169.38	43.37	-4,371.96	4,414.96	4,387.00	27.97	157.860		
785.50	781.43	804.43	804.43	4.61	26.54	-169.36	43.37	-4,371.96	4,430.80	4,399.66	31.14	142.294		
800.00	795.63	818.63	818.63	4.66	27.03	-169.36	43.37	-4,371.96	4,433.69	4,402.01	31.68	139.952		
900.00	893.55	916.55	916.55	5.02	30.43	-169.41	43.37	-4,371.96	4,453.66	4,418.26	35.40	125.809		
1,000.00	991.47	1,014.47	1,014.47	5.40	33.83	-169.46	43.37	-4,371.96	4,473.62	4,434.48	39.15	114.283		
1,100.00	1,089.39	1,112.39	1,112.39	5.80	37.23	-169.51	43.37	-4,371.96	4,493.59	4,450.68	42.91	104.720		
1,200.00	1,187.31	1,210.31	1,210.31	6.21	40.64	-169.55	43.37	-4,371.96	4,513.56	4,466.87	46.69	96.666		
1,300.00	1,285.22	1,308.22	1,308.22	6.64	44.05	-169.60	43.37	-4,371.96	4,533.54	4,483.05	50.49	89.795		
1,400.00	1,383.14	1,406.14	1,406.14	7.08	47.46	-169.65	43.37	-4,371.96	4,553.51	4,499.22	54.29	83.869		
1,500.00	1,481.06	1,504.06	1,504.06	7.52	50.87	-169.69	43.37	-4,371.96	4,573.49	4,515.38	58.11	78.706		
1,600.00	1,578.98	1,601.98	1,601.98	7.98	54.28	-169.74	43.37	-4,371.96	4,593.48	4,531.54	61.93	74.170		
1,700.00	1,676.90	1,700.10	1,699.90	8.44	57.70	-169.78	43.37	-4,371.96	4,613.46	4,547.69	65.77	70.148		
1,800.00	1,774.82	1,802.18	1,797.82	8.90	61.26	-169.83	43.37	-4,371.96	4,633.45	4,563.70	69.75	66.432		
1,900.00	1,872.74	1,904.26	1,895.74	9.37	64.82	-169.87	43.37	-4,371.96	4,653.44	4,579.71	73.73	63.113		
2,000.00	1,970.66	2,006.34	1,993.66	9.84	68.37	-169.91	43.37	-4,371.96	4,673.43	4,595.71	77.72	60.131		
2,100.00	2,068.57	2,108.43	2,091.57	10.32	71.93	-169.96	43.37	-4,371.96	4,693.43	4,611.72	81.71	57.438		
2,200.00	2,166.49	2,189.49	2,189.49	10.80	74.76	-170.00	43.37	-4,371.96	4,713.43	4,628.45	84.98	55.468		
2,300.00	2,264.41	2,287.41	2,287.41	11.28	78.18	-170.04	43.37	-4,371.96	4,733.43	4,644.60	88.83	53.288		
2,400.00	2,362.33	2,385.33	2,385.33	11.76	81.59	-170.09	43.37	-4,371.96	4,753.43	4,660.75	92.68	51.287		
2,500.00	2,460.25	2,483.25	2,483.25	12.24	85.01	-170.13	43.37	-4,371.96	4,773.44	4,676.90	96.54	49.445		
2,600.00	2,558.17	2,581.17	2,581.17	12.73	88.42	-170.17	43.37	-4,371.96	4,793.45	4,693.05	100.40	47.744		
2,700.00	2,656.09	2,679.09	2,679.09	13.22	91.84	-170.21	43.37	-4,371.96	4,813.46	4,709.20	104.26	46.168		
2,800.00	2,754.01	2,777.01	2,777.01	13.71	95.26	-170.25	43.37	-4,371.96	4,833.47	4,725.35	108.12	44.704		
2,900.00	2,851.92	2,874.92	2,874.92	14.20	98.67	-170.29	43.37	-4,371.96	4,853.49	4,741.50	111.98	43.341		
3,000.00	2,949.84	2,972.84	2,972.84	14.69	102.09	-170.33	43.37	-4,371.96	4,873.51	4,757.66	115.85	42.068		
3,100.00	3,047.76	3,070.76	3,070.76	15.18	105.51	-170.37	43.37	-4,371.96	4,893.53	4,773.81	119.72	40.876		
3,200.00	3,145.68	3,168.68	3,168.68	15.67	108.92	-170.41	43.37	-4,371.96	4,913.55	4,789.97	123.58	39.760		
3,300.00	3,243.60	3,266.60	3,266.60	16.17	112.34	-170.45	43.37	-4,371.96	4,933.57	4,806.12	127.45	38.710		
3,400.00	3,341.52	3,364.52	3,364.52	16.66	115.76	-170.49	43.37	-4,371.96	4,953.60	4,822.28	131.32	37.722		
3,500.00	3,439.44	3,462.44	3,462.44	17.16	119.17	-170.53	43.37	-4,371.96	4,973.63	4,838.44	135.19	36.791		
3,600.00	3,537.36	3,560.36	3,560.36	17.65	122.59	-170.57	43.37	-4,371.96	4,993.66	4,854.61	139.06	35.911		
3,700.00	3,635.27	3,658.27	3,658.27	18.15	126.01	-170.60	43.37	-4,371.96	5,013.70	4,870.77	142.93	35.079		
3,800.00	3,733.19	3,756.19	3,756.19	18.65	129.43	-170.64	43.37	-4,371.96	5,033.73	4,886.93	146.80	34.290		
3,900.00	3,831.11	3,854.11	3,854.11	19.14	132.84	-170.68	43.37	-4,371.96	5,053.77	4,903.10	150.67	33.542		
4,000.00	3,929.03	3,952.03	3,952.03	19.64	136.26	-170.72	43.37	-4,371.96	5,073.81	4,919.27	154.54	32.831		
4,100.00	4,026.95	4,049.95	4,049.95	20.14	139.68	-170.75	43.37	-4,371.96	5,093.85	4,935.44	158.41	32.155		
4,200.00	4,124.87	4,147.87	4,147.87	20.64	143.09	-170.79	43.37	-4,371.96	5,113.89	4,951.61	162.29	31.511		
4,300.00	4,222.79	4,245.79	4,245.79	21.14	146.51	-170.83	43.37	-4,371.96	5,133.94	4,967.78	166.16	30.897		
4,400.00	4,320.71	4,343.71	4,343.71	21.64	149.93	-170.86	43.37	-4,371.96	5,153.99	4,983.95	170.03	30.311		
4,500.00	4,418.62	4,441.62	4,441.62	22.14	153.35	-170.90	43.37	-4,371.96	5,174.04	5,000.13	173.91	29.751		
4,600.00	4,516.54	4,539.54	4,539.54	22.64	156.76	-170.93	43.37	-4,371.96	5,194.09	5,016.30	177.78	29.216		
4,700.00	4,614.46	4,637.46	4,637.46	23.14	160.18	-170.97	43.37	-4,371.96	5,214.14	5,032.48	181.66	28.703		
4,800.00	4,712.38	4,735.38	4,735.38	23.64	163.60	-171.00	43.37	-4,371.96	5,234.20	5,048.66	185.53	28.212		
4,900.00	4,810.30	4,833.30	4,833.30	24.14	167.02	-171.04	43.37	-4,371.96	5,254.25	5,064.85	189.41	27.740		
5,000.00	4,908.22	4,931.22	4,931.22	24.64	170.44	-171.07	43.37	-4,371.96	5,274.31	5,081.03	193.28	27.288		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,029.14	5,029.14	25.14	173.85	-171.11	43.37	-4,371.96	5,294.37	5,097.21	197.16	26.853		
5,200.00	5,104.06	5,127.06	5,127.06	25.64	177.27	-171.14	43.37	-4,371.96	5,314.44	5,113.40	201.04	26.435		
5,300.00	5,201.97	5,224.97	5,224.97	26.14	180.69	-171.17	43.37	-4,371.96	5,334.50	5,129.59	204.91	26.033		
5,400.00	5,299.89	5,322.89	5,322.89	26.64	184.11	-171.21	43.37	-4,371.96	5,354.57	5,145.78	208.79	25.646		
5,500.00	5,397.81	5,420.81	5,420.81	27.15	187.52	-171.24	43.37	-4,371.96	5,374.63	5,161.97	212.67	25.273		
5,600.00	5,495.73	5,518.73	5,518.73	27.65	190.94	-171.27	43.37	-4,371.96	5,394.70	5,178.16	216.54	24.913		
5,700.00	5,593.65	5,616.65	5,616.65	28.15	194.36	-171.31	43.37	-4,371.96	5,414.78	5,194.36	220.42	24.566		
5,800.00	5,691.57	5,714.57	5,714.57	28.65	197.78	-171.34	43.37	-4,371.96	5,434.85	5,210.55	224.30	24.231		
5,900.00	5,789.49	5,812.49	5,812.49	29.15	201.20	-171.37	43.37	-4,371.96	5,454.92	5,226.75	228.18	23.907		
6,000.00	5,887.41	5,910.41	5,910.41	29.66	204.61	-171.40	43.37	-4,371.96	5,475.00	5,242.95	232.05	23.594		
6,100.00	5,985.32	6,008.32	6,008.32	30.16	208.03	-171.43	43.37	-4,371.96	5,495.08	5,259.15	235.93	23.291		
6,200.00	6,083.24	6,106.24	6,106.24	30.66	211.45	-171.46	43.37	-4,371.96	5,515.16	5,275.35	239.81	22.998		
6,300.00	6,181.16	6,204.16	6,204.16	31.16	214.87	-171.50	43.37	-4,371.96	5,535.24	5,291.55	243.69	22.715		
6,400.00	6,279.08	6,302.08	6,302.08	31.67	218.29	-171.53	43.37	-4,371.96	5,555.32	5,307.75	247.57	22.440		
6,490.03	6,367.24	6,409.76	6,390.24	32.12	222.04	-171.55	43.37	-4,371.96	5,573.40	5,321.66	251.74	22.140		
6,500.00	6,377.01	6,400.01	6,400.01	32.17	221.70	-170.62	43.37	-4,371.96	5,575.33	5,323.88	251.44	22.173		
6,550.00	6,426.43	6,449.43	6,449.43	32.40	223.43	-162.19	43.37	-4,371.96	5,582.67	5,329.28	253.39	22.032		
6,600.00	6,476.27	6,500.73	6,499.27	32.61	225.22	-127.53	43.37	-4,371.96	5,586.11	5,330.72	255.39	21.873		
6,650.00	6,526.21	6,549.21	6,549.21	32.80	226.91	-41.31	43.37	-4,371.96	5,585.64	5,328.36	257.27	21.711		
6,700.00	6,575.96	6,601.04	6,598.96	32.98	228.72	-20.32	43.37	-4,371.96	5,581.25	5,322.00	259.25	21.528		
6,750.00	6,625.19	6,648.19	6,648.19	33.16	230.37	-14.10	43.37	-4,371.96	5,572.98	5,311.93	261.05	21.348		
6,800.00	6,673.62	6,703.38	6,696.62	33.35	232.29	-11.26	43.37	-4,371.96	5,560.86	5,297.76	263.11	21.135		
6,850.00	6,720.94	6,743.94	6,743.94	33.55	233.71	-9.71	43.37	-4,371.96	5,544.99	5,280.35	264.64	20.953		
6,900.00	6,766.86	6,789.86	6,789.86	33.76	235.31	-8.78	43.37	-4,371.96	5,525.46	5,259.11	266.35	20.745		
6,950.00	6,811.10	6,834.10	6,834.10	33.98	236.86	-8.21	43.37	-4,371.96	5,502.38	5,234.41	267.97	20.533		
7,000.00	6,853.38	6,876.38	6,876.38	34.23	238.33	-7.89	43.37	-4,371.96	5,475.91	5,206.39	269.51	20.318		
7,050.00	6,893.45	6,916.45	6,916.45	34.50	239.73	-7.76	43.37	-4,371.96	5,446.20	5,175.23	270.96	20.099		
7,100.00	6,931.05	6,954.05	6,954.05	34.79	241.04	-7.78	43.37	-4,371.96	5,413.43	5,141.12	272.31	19.879		
7,150.00	6,965.96	6,988.96	6,988.96	35.12	242.26	-7.96	43.37	-4,371.96	5,377.82	5,104.26	273.56	19.659		
7,200.00	6,997.96	7,020.96	7,020.96	35.47	243.38	-8.30	43.37	-4,371.96	5,339.57	5,064.89	274.69	19.439		
7,250.00	7,026.85	7,049.85	7,049.85	35.86	244.39	-8.83	43.37	-4,371.96	5,298.93	5,023.23	275.70	19.220		
7,300.00	7,052.45	7,075.45	7,075.45	36.29	245.28	-9.63	43.37	-4,371.96	5,256.14	4,979.56	276.59	19.004		
7,350.00	7,074.61	7,102.39	7,097.61	36.76	246.22	-10.81	43.37	-4,371.96	5,211.48	4,933.96	277.52	18.779		
7,400.00	7,093.19	7,116.19	7,116.19	37.27	246.70	-12.60	43.37	-4,371.96	5,165.21	4,887.22	277.99	18.581		
7,450.00	7,108.07	7,131.07	7,131.07	37.81	247.22	-15.49	43.37	-4,371.96	5,117.61	4,839.12	278.49	18.376		
7,500.00	7,119.17	7,142.17	7,142.17	38.39	247.61	-20.71	43.37	-4,371.96	5,069.00	4,790.13	278.87	18.177		
7,550.00	7,126.41	7,149.41	7,149.41	38.99	247.86	-32.24	43.37	-4,371.96	5,019.65	4,740.54	279.11	17.984		
7,600.00	7,129.75	7,152.75	7,152.75	39.62	247.98	-66.71	43.37	-4,371.96	4,969.88	4,690.66	279.22	17.799		
7,616.41	7,130.00	7,153.00	7,153.00	39.83	247.99	-88.25	43.37	-4,371.96	4,953.51	4,674.28	279.23	17.740		
7,700.00	7,130.16	7,153.16	7,153.16	40.97	247.99	-88.28	43.37	-4,371.96	4,870.09	4,590.84	279.24	17.440		
7,800.00	7,130.35	7,153.35	7,153.35	42.46	248.00	-88.32	43.37	-4,371.96	4,770.30	4,491.04	279.26	17.082		
7,900.00	7,130.55	7,153.55	7,153.55	44.09	248.01	-88.35	43.37	-4,371.96	4,670.52	4,391.24	279.28	16.724		
8,000.00	7,130.74	7,153.74	7,153.74	45.84	248.01	-88.39	43.37	-4,371.96	4,570.75	4,291.45	279.30	16.365		
8,100.00	7,130.94	7,153.94	7,153.94	47.70	248.02	-88.42	43.37	-4,371.96	4,471.00	4,191.67	279.33	16.006		
8,200.00	7,131.13	7,154.13	7,154.13	49.65	248.03	-88.46	43.37	-4,371.96	4,371.25	4,091.89	279.35	15.648		
8,300.00	7,131.32	7,154.32	7,154.32	51.70	248.03	-88.49	43.37	-4,371.96	4,271.51	3,992.12	279.39	15.289		
8,400.00	7,131.52	7,154.52	7,154.52	53.81	248.04	-88.53	43.37	-4,371.96	4,171.79	3,892.36	279.43	14.930		
8,500.00	7,131.71	7,154.71	7,154.71	55.99	248.05	-88.56	43.37	-4,371.96	4,072.08	3,792.61	279.47	14.571		
8,600.00	7,131.90	7,154.90	7,154.90	58.24	248.05	-88.60	43.37	-4,371.96	3,972.38	3,692.87	279.52	14.212		
8,700.00	7,132.10	7,155.10	7,155.10	60.53	248.06	-88.63	43.37	-4,371.96	3,872.71	3,593.13	279.57	13.852		
8,800.00	7,132.29	7,155.29	7,155.29	62.87	248.07	-88.67	43.37	-4,371.96	3,773.04	3,493.41	279.64	13.493		
8,900.00	7,132.49	7,155.49	7,155.49	65.25	248.07	-88.70	43.37	-4,371.96	3,673.40	3,393.69	279.70	13.133		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,155.68	7,155.68	67.68	248.08	-88.74	43.37	-4,371.96	3,573.77	3,293.99	279.78	12.773		
9,100.00	7,132.87	7,155.87	7,155.87	70.13	248.09	-88.78	43.37	-4,371.96	3,474.17	3,194.30	279.87	12.414		
9,200.00	7,133.07	7,156.07	7,156.07	72.61	248.10	-88.81	43.37	-4,371.96	3,374.59	3,094.63	279.97	12.054		
9,300.00	7,133.26	7,156.26	7,156.26	75.13	248.10	-88.85	43.37	-4,371.96	3,275.04	2,994.97	280.08	11.693		
9,400.00	7,133.46	7,156.46	7,156.46	77.66	248.11	-88.88	43.37	-4,371.96	3,175.52	2,895.32	280.20	11.333		
9,500.00	7,133.65	7,156.65	7,156.65	80.22	248.12	-88.92	43.37	-4,371.96	3,076.02	2,795.69	280.33	10.973		
9,600.00	7,133.84	7,156.84	7,156.84	82.80	248.12	-88.95	43.37	-4,371.96	2,976.56	2,696.07	280.49	10.612		
9,700.00	7,134.04	7,157.04	7,157.04	85.40	248.13	-88.99	43.37	-4,371.96	2,877.14	2,596.47	280.66	10.251		
9,800.00	7,134.23	7,157.23	7,157.23	88.01	248.14	-89.02	43.37	-4,371.96	2,777.76	2,496.90	280.86	9.890		
9,900.00	7,134.43	7,157.43	7,157.43	90.64	248.14	-89.06	43.37	-4,371.96	2,678.42	2,397.34	281.08	9.529		
10,000.00	7,134.62	7,157.62	7,157.62	93.28	248.15	-89.09	43.37	-4,371.96	2,579.14	2,297.80	281.33	9.168		
10,100.00	7,134.81	7,157.81	7,157.81	95.94	248.16	-89.13	43.37	-4,371.96	2,479.91	2,198.29	281.62	8.806		
10,200.00	7,135.01	7,158.01	7,158.01	98.61	248.16	-89.16	43.37	-4,371.96	2,380.75	2,098.80	281.94	8.444		
10,300.00	7,135.20	7,158.20	7,158.20	101.28	248.17	-89.20	43.37	-4,371.96	2,281.66	1,999.34	282.32	8.082		
10,400.00	7,135.39	7,158.39	7,158.39	103.97	248.18	-89.24	43.37	-4,371.96	2,182.65	1,899.91	282.75	7.719		
10,500.00	7,135.59	7,158.59	7,158.59	106.67	248.18	-89.27	43.37	-4,371.96	2,083.74	1,800.50	283.24	7.357		
10,600.00	7,135.78	7,158.78	7,158.78	109.38	248.19	-89.31	43.37	-4,371.96	1,984.94	1,701.13	283.81	6.994		
10,700.00	7,135.98	7,158.98	7,158.98	112.09	248.20	-89.34	43.37	-4,371.96	1,886.26	1,601.78	284.48	6.631		
10,800.00	7,136.17	7,159.17	7,159.17	114.81	248.20	-89.38	43.37	-4,371.96	1,787.73	1,502.48	285.26	6.267		
10,900.00	7,136.36	7,159.36	7,159.36	117.54	248.21	-89.41	43.37	-4,371.96	1,689.38	1,403.20	286.17	5.903		
11,000.00	7,136.56	7,159.56	7,159.56	120.28	248.22	-89.45	43.37	-4,371.96	1,591.23	1,303.97	287.26	5.539		
11,100.00	7,136.75	7,159.75	7,159.75	123.02	248.22	-89.48	43.37	-4,371.96	1,493.32	1,204.78	288.54	5.175		
11,200.00	7,136.95	7,159.95	7,159.95	125.76	248.23	-89.52	43.37	-4,371.96	1,395.71	1,105.63	290.08	4.811		
11,300.00	7,137.14	7,160.14	7,160.14	128.52	248.24	-89.55	43.37	-4,371.96	1,298.47	1,006.53	291.94	4.448		
11,400.00	7,137.33	7,160.33	7,160.33	131.27	248.24	-89.59	43.37	-4,371.96	1,201.68	907.48	294.19	4.085		
11,500.00	7,137.53	7,160.53	7,160.53	134.03	248.25	-89.62	43.37	-4,371.96	1,105.45	808.50	296.95	3.723		
11,600.00	7,137.72	7,160.72	7,160.72	136.80	248.26	-89.66	43.37	-4,371.96	1,009.97	709.60	300.36	3.362		
11,700.00	7,137.92	7,160.92	7,160.92	139.57	248.26	-89.70	43.37	-4,371.96	915.45	610.83	304.62	3.005		
11,800.00	7,138.11	7,161.11	7,161.11	142.34	248.27	-89.73	43.37	-4,371.96	822.22	512.23	309.99	2.652		
11,900.00	7,138.30	7,161.30	7,161.30	145.12	248.28	-89.77	43.37	-4,371.96	730.79	413.95	316.84	2.307		
12,000.00	7,138.50	7,161.50	7,161.50	147.90	248.28	-89.80	43.37	-4,371.96	641.92	316.25	325.66	1.971		
12,100.00	7,138.69	7,161.69	7,161.69	150.68	248.29	-89.84	43.37	-4,371.96	556.83	219.73	337.11	1.652		
12,200.00	7,138.88	7,161.88	7,161.88	153.47	248.30	-89.87	43.37	-4,371.96	477.56	125.70	351.87	1.357 Level 3		
12,300.00	7,139.08	7,162.08	7,162.08	156.26	248.30	-89.91	43.37	-4,371.96	407.52	37.28	370.24	1.101 Level 2		
12,400.00	7,139.27	7,162.27	7,162.27	159.05	248.31	-89.94	43.37	-4,371.96	352.25	-38.42	390.66	0.902 Level 1		
12,500.00	7,139.47	7,162.47	7,162.47	161.85	248.32	-89.98	43.37	-4,371.96	319.50	-87.85	407.36	0.784 Level 1		
12,559.98	7,139.58	7,162.58	7,162.58	163.52	248.32	-90.00	43.37	-4,371.96	313.82	-98.02	411.85	0.762 Level 1, CC, ES, SF		
12,600.00	7,139.66	7,162.66	7,162.66	164.64	248.33	-90.01	43.37	-4,371.96	316.36	-95.36	411.73	0.768 Level 1		
12,700.00	7,139.85	7,162.85	7,162.85	167.44	248.33	-90.05	43.37	-4,371.96	343.64	-58.28	401.92	0.855 Level 1		
12,800.00	7,140.05	7,163.05	7,163.05	170.24	248.34	-90.08	43.37	-4,371.96	395.09	9.93	385.16	1.026 Level 2		
12,900.00	7,140.24	7,163.24	7,163.24	173.05	248.35	-90.12	43.37	-4,371.96	462.71	94.38	368.33	1.256 Level 3		
13,000.00	7,140.44	7,163.44	7,163.44	175.85	248.35	-90.16	43.37	-4,371.96	540.47	186.38	354.09	1.526		
13,100.00	7,140.63	7,163.63	7,163.63	178.66	248.36	-90.19	43.37	-4,371.96	624.59	281.87	342.72	1.822		
13,200.00	7,140.82	7,163.82	7,163.82	181.47	248.37	-90.23	43.37	-4,371.96	712.82	379.07	333.75	2.136		
13,300.00	7,141.02	7,164.02	7,164.02	184.28	248.37	-90.26	43.37	-4,371.96	803.81	477.15	326.67	2.461		
13,400.00	7,141.21	7,164.21	7,164.21	187.10	248.38	-90.30	43.37	-4,371.96	896.73	575.72	321.00	2.794		
13,500.00	7,141.41	7,164.41	7,164.41	189.91	248.39	-90.33	43.37	-4,371.96	991.02	674.60	316.43	3.132		
13,600.00	7,141.60	7,164.60	7,164.60	192.73	248.39	-90.37	43.37	-4,371.96	1,086.34	773.66	312.68	3.474		
13,700.00	7,141.79	7,164.79	7,164.79	195.54	248.40	-90.40	43.37	-4,371.96	1,182.43	872.84	309.58	3.819		
13,800.00	7,141.99	7,164.99	7,164.99	198.36	248.41	-90.44	43.37	-4,371.96	1,279.12	972.12	306.99	4.167		
13,900.00	7,142.18	7,165.18	7,165.18	201.18	248.41	-90.47	43.37	-4,371.96	1,376.28	1,071.47	304.81	4.515		
14,000.00	7,142.37	7,165.37	7,165.37	204.01	248.42	-90.51	43.37	-4,371.96	1,473.82	1,170.87	302.95	4.865		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,165.57	7,165.57	206.83	248.43	-90.55	43.37	-4,371.96	1,571.67	1,270.31	301.36	5.215		
14,200.00	7,142.76	7,165.76	7,165.76	209.65	248.43	-90.58	43.37	-4,371.96	1,669.78	1,369.79	299.98	5.566		
14,300.00	7,142.96	7,165.96	7,165.96	212.48	248.44	-90.62	43.37	-4,371.96	1,768.09	1,469.31	298.79	5.918		
14,400.00	7,143.15	7,166.15	7,166.15	215.30	248.45	-90.65	43.37	-4,371.96	1,866.59	1,568.84	297.75	6.269		
14,500.00	7,143.34	7,166.34	7,166.34	218.13	248.45	-90.69	43.37	-4,371.96	1,965.24	1,668.40	296.84	6.621		
14,600.00	7,143.54	7,166.54	7,166.54	220.96	248.46	-90.72	43.37	-4,371.96	2,064.02	1,767.98	296.03	6.972		
14,700.00	7,143.73	7,166.73	7,166.73	223.79	248.47	-90.76	43.37	-4,371.96	2,162.91	1,867.58	295.32	7.324		
14,800.00	7,143.93	7,166.93	7,166.93	226.62	248.47	-90.79	43.37	-4,371.96	2,261.90	1,967.20	294.70	7.675		
14,838.32	7,144.00	7,167.00	7,167.00	227.70	248.48	-90.81	43.37	-4,371.96	2,299.85	2,005.38	294.47	7.810		
14,900.00	7,144.12	7,167.12	7,167.12	229.45	248.48	-90.72	43.37	-4,371.96	2,360.88	2,066.77	294.11	8.027		
15,000.00	7,144.32	7,167.32	7,167.32	232.26	248.49	-90.61	43.37	-4,371.96	2,459.45	2,166.01	293.45	8.381		
15,027.81	7,144.37	7,167.37	7,167.37	233.04	248.49	-90.59	43.37	-4,371.96	2,486.78	2,193.53	293.25	8.480		
15,100.00	7,144.51	7,167.51	7,167.51	235.07	248.49	-90.60	43.37	-4,371.96	2,557.71	2,264.95	292.76	8.737		
15,200.00	7,144.71	7,167.71	7,167.71	237.87	248.50	-90.63	43.37	-4,371.96	2,656.07	2,363.93	292.14	9.092		
15,300.00	7,144.91	7,167.91	7,167.91	240.68	248.51	-90.65	43.37	-4,371.96	2,754.55	2,462.96	291.58	9.447		
15,400.00	7,145.10	7,168.10	7,168.10	243.48	248.52	-90.67	43.37	-4,371.96	2,853.13	2,562.04	291.09	9.802		
15,500.00	7,145.30	7,168.30	7,168.30	246.29	248.52	-90.70	43.37	-4,371.96	2,951.81	2,661.17	290.65	10.156		
15,600.00	7,145.50	7,168.50	7,168.50	249.10	248.53	-90.72	43.37	-4,371.96	3,050.58	2,760.33	290.25	10.510		
15,700.00	7,145.69	7,168.69	7,168.69	251.91	248.54	-90.75	43.37	-4,371.96	3,149.42	2,859.53	289.90	10.864		
15,800.00	7,145.89	7,168.89	7,168.89	254.71	248.54	-90.77	43.37	-4,371.96	3,248.34	2,958.76	289.58	11.217		
15,900.00	7,146.09	7,169.09	7,169.09	257.52	248.55	-90.79	43.37	-4,371.96	3,347.31	3,058.02	289.30	11.571		
16,000.00	7,146.28	7,169.28	7,169.28	260.34	248.56	-90.82	43.37	-4,371.96	3,446.35	3,157.31	289.04	11.923		
16,100.00	7,146.48	7,169.48	7,169.48	263.15	248.56	-90.84	43.37	-4,371.96	3,545.44	3,256.62	288.82	12.276		
16,200.00	7,146.68	7,169.68	7,169.68	265.96	248.57	-90.87	43.37	-4,371.96	3,644.59	3,355.97	288.62	12.628		
16,300.00	7,146.87	7,169.87	7,169.87	268.77	248.58	-90.89	43.37	-4,371.96	3,743.77	3,455.33	288.44	12.979		
16,400.00	7,147.07	7,170.07	7,170.07	271.58	248.58	-90.91	43.37	-4,371.96	3,843.00	3,554.72	288.28	13.331		
16,500.00	7,147.27	7,170.27	7,170.27	274.40	248.59	-90.94	43.37	-4,371.96	3,942.27	3,654.12	288.15	13.681		
16,600.00	7,147.46	7,170.46	7,170.46	277.21	248.60	-90.96	43.37	-4,371.96	4,041.57	3,753.55	288.03	14.032		
16,700.00	7,147.66	7,170.66	7,170.66	280.03	248.60	-90.99	43.37	-4,371.96	4,140.91	3,852.99	287.92	14.382		
16,800.00	7,147.86	7,170.86	7,170.86	282.84	248.61	-91.01	43.37	-4,371.96	4,240.28	3,952.45	287.83	14.732		
16,900.00	7,148.05	7,171.05	7,171.05	285.66	248.62	-91.03	43.37	-4,371.96	4,339.68	4,051.92	287.75	15.081		
17,000.00	7,148.25	7,171.25	7,171.25	288.48	248.62	-91.06	43.37	-4,371.96	4,439.10	4,151.41	287.69	15.430		
17,100.00	7,148.45	7,171.45	7,171.45	291.29	248.63	-91.08	43.37	-4,371.96	4,538.55	4,250.92	287.64	15.779		
17,200.00	7,148.64	7,171.64	7,171.64	294.11	248.64	-91.11	43.37	-4,371.96	4,638.03	4,350.43	287.59	16.127		
17,300.00	7,148.84	7,171.84	7,171.84	296.93	248.65	-91.13	43.37	-4,371.96	4,737.52	4,449.96	287.56	16.475		
17,400.00	7,149.04	7,172.04	7,172.04	299.75	248.65	-91.15	43.37	-4,371.96	4,837.04	4,549.50	287.54	16.822		
17,500.00	7,149.23	7,172.23	7,172.23	302.57	248.66	-91.18	43.37	-4,371.96	4,936.58	4,649.06	287.52	17.170		
17,600.00	7,149.43	7,172.43	7,172.43	305.39	248.67	-91.20	43.37	-4,371.96	5,036.13	4,748.62	287.51	17.516		
17,700.00	7,149.63	7,172.63	7,172.63	308.21	248.67	-91.23	43.37	-4,371.96	5,135.70	4,848.19	287.51	17.863		
17,800.00	7,149.82	7,172.82	7,172.82	311.03	248.68	-91.25	43.37	-4,371.96	5,235.29	4,947.77	287.52	18.209		
17,900.00	7,150.02	7,173.02	7,173.02	313.85	248.69	-91.27	43.37	-4,371.96	5,334.89	5,047.36	287.53	18.554		
18,000.00	7,150.22	7,173.22	7,173.22	316.67	248.69	-91.30	43.37	-4,371.96	5,434.51	5,146.96	287.55	18.899		
18,100.00	7,150.41	7,173.41	7,173.41	319.49	248.70	-91.32	43.37	-4,371.96	5,534.14	5,246.57	287.57	19.244		
18,200.00	7,150.61	7,173.61	7,173.61	322.32	248.71	-91.35	43.37	-4,371.96	5,633.79	5,346.19	287.60	19.589		
18,300.00	7,150.81	7,173.81	7,173.81	325.14	248.71	-91.37	43.37	-4,371.96	5,733.45	5,445.81	287.64	19.933		
18,400.00	7,151.00	7,174.00	7,174.00	327.96	248.72	-91.39	43.37	-4,371.96	5,833.12	5,545.44	287.67	20.277		
18,500.00	7,151.20	7,174.20	7,174.20	330.78	248.73	-91.42	43.37	-4,371.96	5,932.80	5,645.08	287.72	20.620		
18,600.00	7,151.40	7,174.40	7,174.40	333.61	248.73	-91.44	43.37	-4,371.96	6,032.49	5,744.72	287.77	20.963		
18,700.00	7,151.59	7,174.59	7,174.59	336.43	248.74	-91.47	43.37	-4,371.96	6,132.19	5,844.37	287.82	21.306		
18,800.00	7,151.79	7,174.79	7,174.79	339.26	248.75	-91.49	43.37	-4,371.96	6,231.90	5,944.03	287.87	21.648		
18,906.26	7,152.00	7,175.00	7,175.00	342.26	248.76	-91.52	43.37	-4,371.96	6,337.86	6,049.93	287.93	22.011		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-93.09	-484.71	-8,978.27	8,991.34					
100.00	100.00	132.00	132.00	3.28	4.35	-93.09	-484.71	-8,978.27	8,991.34	8,983.70	7.64	1,177.154		
200.00	200.00	232.00	232.00	3.34	7.15	-93.09	-484.71	-8,978.27	8,991.34	8,980.85	10.49	857.352		
300.00	299.98	331.98	331.98	3.44	10.38	-173.09	-484.71	-8,978.27	8,993.07	8,979.25	13.82	650.764		
400.00	399.84	431.84	431.84	3.60	13.73	-173.08	-484.71	-8,978.27	8,998.27	8,980.94	17.33	519.264		
500.00	499.45	531.45	531.45	3.81	17.12	-173.06	-484.71	-8,978.27	9,006.92	8,985.99	20.93	430.312		
600.00	598.70	630.70	630.70	4.06	20.54	-173.04	-484.71	-8,978.27	9,019.02	8,994.43	24.59	366.796		
700.00	697.47	729.47	729.47	4.34	23.95	-173.02	-484.71	-8,978.27	9,034.55	9,006.27	28.28	319.473		
785.50	781.43	813.43	813.43	4.61	26.85	-172.99	-484.71	-8,978.27	9,050.53	9,019.08	31.45	287.765		
800.00	795.63	827.63	827.63	4.66	27.34	-172.99	-484.71	-8,978.27	9,053.46	9,021.46	31.99	282.981		
900.00	893.55	925.55	925.55	5.02	30.74	-173.01	-484.71	-8,978.27	9,073.61	9,037.89	35.71	254.067		
1,000.00	991.47	1,023.47	1,023.47	5.40	34.14	-173.02	-484.71	-8,978.27	9,093.76	9,054.30	39.46	230.462		
1,100.00	1,089.39	1,121.39	1,121.39	5.80	37.55	-173.04	-484.71	-8,978.27	9,113.91	9,070.69	43.22	210.851		
1,200.00	1,187.31	1,219.31	1,219.31	6.21	40.95	-173.06	-484.71	-8,978.27	9,134.06	9,087.06	47.01	194.316		
1,300.00	1,285.22	1,317.22	1,317.22	6.64	44.36	-173.07	-484.71	-8,978.27	9,154.22	9,103.41	50.80	180.197		
1,400.00	1,383.14	1,415.14	1,415.14	7.08	47.77	-173.09	-484.71	-8,978.27	9,174.37	9,119.76	54.61	168.006		
1,500.00	1,481.06	1,513.06	1,513.06	7.52	51.18	-173.10	-484.71	-8,978.27	9,194.52	9,136.10	58.42	157.380		
1,600.00	1,578.98	1,610.98	1,610.98	7.98	54.59	-173.12	-484.71	-8,978.27	9,214.68	9,152.43	62.25	148.039		
1,700.00	1,676.90	1,708.90	1,708.90	8.44	58.01	-173.13	-484.71	-8,978.27	9,234.84	9,168.76	66.07	139.764		
1,800.00	1,774.82	1,806.82	1,806.82	8.90	61.42	-173.15	-484.71	-8,978.27	9,254.99	9,185.08	69.91	132.386		
1,900.00	1,872.74	1,904.74	1,904.74	9.37	64.83	-173.16	-484.71	-8,978.27	9,275.15	9,201.40	73.75	125.768		
2,000.00	1,970.66	2,002.66	2,002.66	9.84	68.25	-173.18	-484.71	-8,978.27	9,295.31	9,217.71	77.59	119.798		
2,100.00	2,068.57	2,100.57	2,100.57	10.32	71.66	-173.19	-484.71	-8,978.27	9,315.46	9,234.03	81.44	114.386		
2,200.00	2,166.49	2,201.51	2,198.49	10.80	75.18	-173.21	-484.71	-8,978.27	9,335.62	9,250.23	85.39	109.325		
2,300.00	2,264.41	2,303.59	2,296.41	11.28	78.74	-173.22	-484.71	-8,978.27	9,355.78	9,266.39	89.39	104.661		
2,400.00	2,362.33	2,405.67	2,394.33	11.76	82.30	-173.24	-484.71	-8,978.27	9,375.94	9,282.55	93.39	100.394		
2,500.00	2,460.25	2,507.75	2,492.25	12.24	85.86	-173.25	-484.71	-8,978.27	9,396.10	9,298.71	97.39	96.475		
2,600.00	2,558.17	2,609.83	2,590.17	12.73	89.42	-173.26	-484.71	-8,978.27	9,416.26	9,314.87	101.40	92.864		
2,700.00	2,656.09	2,688.09	2,688.09	13.22	92.15	-173.28	-484.71	-8,978.27	9,436.43	9,331.85	104.57	90.238		
2,800.00	2,754.01	2,786.01	2,786.01	13.71	95.57	-173.29	-484.71	-8,978.27	9,456.59	9,348.15	108.43	87.210		
2,900.00	2,851.92	2,883.92	2,883.92	14.20	98.99	-173.31	-484.71	-8,978.27	9,476.75	9,364.45	112.30	84.389		
3,000.00	2,949.84	2,981.84	2,981.84	14.69	102.40	-173.32	-484.71	-8,978.27	9,496.91	9,380.75	116.16	81.755		
3,100.00	3,047.76	3,079.76	3,079.76	15.18	105.82	-173.34	-484.71	-8,978.27	9,517.08	9,397.05	120.03	79.290		
3,200.00	3,145.68	3,177.68	3,177.68	15.67	109.24	-173.35	-484.71	-8,978.27	9,537.24	9,413.35	123.89	76.979		
3,300.00	3,243.60	3,275.60	3,275.60	16.17	112.65	-173.36	-484.71	-8,978.27	9,557.41	9,429.65	127.76	74.806		
3,400.00	3,341.52	3,373.52	3,373.52	16.66	116.07	-173.38	-484.71	-8,978.27	9,577.57	9,445.94	131.63	72.761		
3,500.00	3,439.44	3,471.44	3,471.44	17.16	119.49	-173.39	-484.71	-8,978.27	9,597.74	9,462.24	135.50	70.832		
3,600.00	3,537.36	3,569.36	3,569.36	17.65	122.90	-173.41	-484.71	-8,978.27	9,617.91	9,478.54	139.37	69.010		
3,700.00	3,635.27	3,667.27	3,667.27	18.15	126.32	-173.42	-484.71	-8,978.27	9,638.07	9,494.83	143.24	67.286		
3,800.00	3,733.19	3,765.19	3,765.19	18.65	129.74	-173.43	-484.71	-8,978.27	9,658.24	9,511.13	147.11	65.653		
3,900.00	3,831.11	3,863.11	3,863.11	19.14	133.16	-173.45	-484.71	-8,978.27	9,678.41	9,527.43	150.98	64.103		
4,000.00	3,929.03	3,961.03	3,961.03	19.64	136.57	-173.46	-484.71	-8,978.27	9,698.58	9,543.72	154.85	62.630		
4,100.00	4,026.95	4,058.95	4,058.95	20.14	139.99	-173.48	-484.71	-8,978.27	9,718.75	9,560.02	158.73	61.229		
4,200.00	4,124.87	4,156.87	4,156.87	20.64	143.41	-173.49	-484.71	-8,978.27	9,738.92	9,576.32	162.60	59.895		
4,300.00	4,222.79	4,254.79	4,254.79	21.14	146.83	-173.50	-484.71	-8,978.27	9,759.09	9,592.62	166.47	58.622		
4,400.00	4,320.71	4,352.71	4,352.71	21.64	150.24	-173.52	-484.71	-8,978.27	9,779.26	9,608.91	170.35	57.408		
4,500.00	4,418.62	4,450.62	4,450.62	22.14	153.66	-173.53	-484.71	-8,978.27	9,799.43	9,625.21	174.22	56.247		
4,600.00	4,516.54	4,548.54	4,548.54	22.64	157.08	-173.54	-484.71	-8,978.27	9,819.60	9,641.51	178.10	55.136		
4,700.00	4,614.46	4,646.46	4,646.46	23.14	160.50	-173.56	-484.71	-8,978.27	9,839.78	9,657.81	181.97	54.073		
4,800.00	4,712.38	4,744.38	4,744.38	23.64	163.91	-173.57	-484.71	-8,978.27	9,859.95	9,674.10	185.85	53.054		
4,900.00	4,810.30	4,842.30	4,842.30	24.14	167.33	-173.58	-484.71	-8,978.27	9,880.12	9,690.40	189.72	52.077		
5,000.00	4,908.22	4,940.22	4,940.22	24.64	170.75	-173.60	-484.71	-8,978.27	9,900.30	9,706.70	193.60	51.139		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,038.14	5,038.14	25.14	174.17	-173.61	-484.71	-8,978.27	9,920.47	9,723.00	197.47	50.237		
5,200.00	5,104.06	5,136.06	5,136.06	25.64	177.58	-173.62	-484.71	-8,978.27	9,940.65	9,739.30	201.35	49.370		
5,300.00	5,201.97	5,233.97	5,233.97	26.14	181.00	-173.63	-484.71	-8,978.27	9,960.82	9,755.60	205.23	48.536		
5,400.00	5,299.89	5,331.89	5,331.89	26.64	184.42	-173.65	-484.71	-8,978.27	9,981.00	9,771.90	209.10	47.733		
7,200.00	6,997.96	7,029.96	7,029.96	35.47	243.69	-11.60	-484.71	-8,978.27	9,968.69	9,693.68	275.01	36.249		
7,250.00	7,026.85	7,058.85	7,058.85	35.86	244.70	-12.48	-484.71	-8,978.27	9,928.20	9,652.18	276.02	35.969		
7,300.00	7,052.45	7,084.45	7,084.45	36.29	245.59	-13.75	-484.71	-8,978.27	9,885.57	9,608.66	276.91	35.699		
7,350.00	7,074.61	7,106.61	7,106.61	36.76	246.37	-15.55	-484.71	-8,978.27	9,841.06	9,563.38	277.68	35.440		
7,400.00	7,093.19	7,125.19	7,125.19	37.27	247.02	-18.23	-484.71	-8,978.27	9,794.94	9,516.62	278.32	35.193		
7,450.00	7,108.07	7,140.07	7,140.07	37.81	247.54	-22.43	-484.71	-8,978.27	9,747.50	9,468.67	278.83	34.959		
7,500.00	7,119.17	7,151.17	7,151.17	38.39	247.92	-29.65	-484.71	-8,978.27	9,699.03	9,419.82	279.21	34.738		
7,550.00	7,126.41	7,158.41	7,158.41	38.99	248.18	-43.85	-484.71	-8,978.27	9,649.83	9,370.38	279.46	34.531		
7,600.00	7,129.75	7,161.75	7,161.75	39.62	248.29	-74.39	-484.71	-8,978.27	9,600.21	9,320.63	279.57	34.339		
7,616.41	7,130.00	7,162.00	7,162.00	39.83	248.30	-88.87	-484.71	-8,978.27	9,583.88	9,304.30	279.59	34.279		
7,700.00	7,130.16	7,162.16	7,162.16	40.97	248.31	-88.88	-484.71	-8,978.27	9,500.69	9,221.09	279.60	33.979		
7,800.00	7,130.35	7,162.35	7,162.35	42.46	248.31	-88.89	-484.71	-8,978.27	9,401.19	9,121.55	279.63	33.620		
7,900.00	7,130.55	7,162.55	7,162.55	44.09	248.32	-88.90	-484.71	-8,978.27	9,301.69	9,022.03	279.66	33.261		
8,000.00	7,130.74	7,162.74	7,162.74	45.84	248.33	-88.91	-484.71	-8,978.27	9,202.20	8,922.51	279.70	32.901		
8,100.00	7,130.94	7,162.94	7,162.94	47.70	248.33	-88.93	-484.71	-8,978.27	9,102.73	8,822.99	279.74	32.540		
8,200.00	7,131.13	7,163.13	7,163.13	49.65	248.34	-88.94	-484.71	-8,978.27	9,003.27	8,723.48	279.78	32.179		
8,300.00	7,131.32	7,163.32	7,163.32	51.70	248.35	-88.95	-484.71	-8,978.27	8,903.82	8,623.98	279.84	31.818		
8,400.00	7,131.52	7,163.52	7,163.52	53.81	248.36	-88.96	-484.71	-8,978.27	8,804.38	8,524.48	279.89	31.456		
8,500.00	7,131.71	7,163.71	7,163.71	55.99	248.36	-88.97	-484.71	-8,978.27	8,704.95	8,424.99	279.96	31.094		
8,600.00	7,131.90	7,163.90	7,163.90	58.24	248.37	-88.99	-484.71	-8,978.27	8,605.54	8,325.51	280.03	30.731		
8,700.00	7,132.10	7,164.10	7,164.10	60.53	248.38	-89.00	-484.71	-8,978.27	8,506.14	8,226.04	280.10	30.368		
8,800.00	7,132.29	7,164.29	7,164.29	62.87	248.38	-89.01	-484.71	-8,978.27	8,406.76	8,126.57	280.19	30.004		
8,900.00	7,132.49	7,164.49	7,164.49	65.25	248.39	-89.02	-484.71	-8,978.27	8,307.39	8,027.11	280.28	29.640		
9,000.00	7,132.68	7,164.68	7,164.68	67.68	248.40	-89.03	-484.71	-8,978.27	8,208.03	7,927.66	280.38	29.275		
9,100.00	7,132.87	7,164.87	7,164.87	70.13	248.40	-89.05	-484.71	-8,978.27	8,108.70	7,828.21	280.49	28.910		
9,200.00	7,133.07	7,165.07	7,165.07	72.61	248.41	-89.06	-484.71	-8,978.27	8,009.38	7,728.77	280.60	28.544		
9,300.00	7,133.26	7,165.26	7,165.26	75.13	248.42	-89.07	-484.71	-8,978.27	7,910.07	7,629.35	280.72	28.177		
9,400.00	7,133.46	7,165.46	7,165.46	77.66	248.42	-89.08	-484.71	-8,978.27	7,810.78	7,529.93	280.86	27.810		
9,500.00	7,133.65	7,165.65	7,165.65	80.22	248.43	-89.09	-484.71	-8,978.27	7,711.52	7,430.52	281.00	27.443		
9,600.00	7,133.84	7,165.84	7,165.84	82.80	248.44	-89.10	-484.71	-8,978.27	7,612.27	7,331.11	281.15	27.075		
9,700.00	7,134.04	7,166.04	7,166.04	85.40	248.44	-89.12	-484.71	-8,978.27	7,513.04	7,231.72	281.32	26.707		
9,800.00	7,134.23	7,166.23	7,166.23	88.01	248.45	-89.13	-484.71	-8,978.27	7,413.83	7,132.34	281.49	26.338		
9,900.00	7,134.43	7,166.43	7,166.43	90.64	248.46	-89.14	-484.71	-8,978.27	7,314.64	7,032.96	281.68	25.968		
10,000.00	7,134.62	7,166.62	7,166.62	93.28	248.46	-89.15	-484.71	-8,978.27	7,215.48	6,933.60	281.88	25.598		
10,100.00	7,134.81	7,166.81	7,166.81	95.94	248.47	-89.16	-484.71	-8,978.27	7,116.34	6,834.25	282.09	25.227		
10,200.00	7,135.01	7,167.01	7,167.01	98.61	248.48	-89.18	-484.71	-8,978.27	7,017.22	6,734.91	282.32	24.856		
10,300.00	7,135.20	7,167.20	7,167.20	101.28	248.48	-89.19	-484.71	-8,978.27	6,918.13	6,635.57	282.56	24.484		
10,400.00	7,135.39	7,167.39	7,167.39	103.97	248.49	-89.20	-484.71	-8,978.27	6,819.06	6,536.25	282.81	24.112		
10,500.00	7,135.59	7,167.59	7,167.59	106.67	248.50	-89.21	-484.71	-8,978.27	6,720.03	6,436.95	283.08	23.739		
10,600.00	7,135.78	7,167.78	7,167.78	109.38	248.50	-89.22	-484.71	-8,978.27	6,621.02	6,337.65	283.37	23.365		
10,700.00	7,135.98	7,167.98	7,167.98	112.09	248.51	-89.23	-484.71	-8,978.27	6,522.04	6,238.37	283.67	22.991		
10,800.00	7,136.17	7,168.17	7,168.17	114.81	248.52	-89.25	-484.71	-8,978.27	6,423.09	6,139.10	284.00	22.617		
10,900.00	7,136.36	7,168.36	7,168.36	117.54	248.52	-89.26	-484.71	-8,978.27	6,324.18	6,039.84	284.34	22.242		
11,000.00	7,136.56	7,168.56	7,168.56	120.28	248.53	-89.27	-484.71	-8,978.27	6,225.30	5,940.60	284.70	21.866		
11,100.00	7,136.75	7,168.75	7,168.75	123.02	248.54	-89.28	-484.71	-8,978.27	6,126.46	5,841.37	285.09	21.490		
11,200.00	7,136.95	7,168.95	7,168.95	125.76	248.54	-89.29	-484.71	-8,978.27	6,027.66	5,742.16	285.50	21.113		
11,300.00	7,137.14	7,169.14	7,169.14	128.52	248.55	-89.31	-484.71	-8,978.27	5,928.89	5,642.96	285.93	20.735		
11,400.00	7,137.33	7,169.33	7,169.33	131.27	248.56	-89.32	-484.71	-8,978.27	5,830.17	5,543.79	286.39	20.358		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
11,500.00	7,137.53	7,169.53	7,169.53	134.03	248.56	-89.33	-484.71	-8,978.27	5,731.50	5,444.62	286.87	19.979		
11,600.00	7,137.72	7,169.72	7,169.72	136.80	248.57	-89.34	-484.71	-8,978.27	5,632.87	5,345.48	287.39	19.600		
11,700.00	7,137.92	7,169.92	7,169.92	139.57	248.58	-89.35	-484.71	-8,978.27	5,534.28	5,246.36	287.93	19.221		
11,800.00	7,138.11	7,170.11	7,170.11	142.34	248.59	-89.37	-484.71	-8,978.27	5,435.75	5,147.25	288.50	18.841		
11,900.00	7,138.30	7,170.30	7,170.30	145.12	248.59	-89.38	-484.71	-8,978.27	5,337.28	5,048.17	289.11	18.461		
12,000.00	7,138.50	7,170.50	7,170.50	147.90	248.60	-89.39	-484.71	-8,978.27	5,238.86	4,949.11	289.75	18.080		
12,100.00	7,138.69	7,170.69	7,170.69	150.68	248.61	-89.40	-484.71	-8,978.27	5,140.51	4,850.07	290.43	17.699		
12,200.00	7,138.88	7,170.88	7,170.88	153.47	248.61	-89.41	-484.71	-8,978.27	5,042.21	4,751.06	291.16	17.318		
12,300.00	7,139.08	7,171.08	7,171.08	156.26	248.62	-89.42	-484.71	-8,978.27	4,943.99	4,652.07	291.92	16.936		
12,400.00	7,139.27	7,171.27	7,171.27	159.05	248.63	-89.44	-484.71	-8,978.27	4,845.84	4,553.12	292.73	16.554		
12,500.00	7,139.47	7,171.47	7,171.47	161.85	248.63	-89.45	-484.71	-8,978.27	4,747.77	4,454.19	293.58	16.172		
12,600.00	7,139.66	7,171.66	7,171.66	164.64	248.64	-89.46	-484.71	-8,978.27	4,649.78	4,355.29	294.49	15.789		
12,700.00	7,139.85	7,171.85	7,171.85	167.44	248.65	-89.47	-484.71	-8,978.27	4,551.87	4,256.43	295.45	15.407		
12,800.00	7,140.05	7,172.05	7,172.05	170.24	248.65	-89.48	-484.71	-8,978.27	4,454.06	4,157.60	296.46	15.024		
12,900.00	7,140.24	7,172.24	7,172.24	173.05	248.66	-89.50	-484.71	-8,978.27	4,356.35	4,058.81	297.54	14.641		
13,000.00	7,140.44	7,172.44	7,172.44	175.85	248.67	-89.51	-484.71	-8,978.27	4,258.75	3,960.07	298.68	14.258		
13,100.00	7,140.63	7,172.63	7,172.63	178.66	248.67	-89.52	-484.71	-8,978.27	4,161.26	3,861.36	299.89	13.876		
13,200.00	7,140.82	7,172.82	7,172.82	181.47	248.68	-89.53	-484.71	-8,978.27	4,063.89	3,762.71	301.18	13.493		
13,300.00	7,141.02	7,173.02	7,173.02	184.28	248.69	-89.54	-484.71	-8,978.27	3,966.65	3,664.11	302.55	13.111		
13,400.00	7,141.21	7,173.21	7,173.21	187.10	248.69	-89.55	-484.71	-8,978.27	3,869.55	3,565.56	304.00	12.729		
13,500.00	7,141.41	7,173.41	7,173.41	189.91	248.70	-89.57	-484.71	-8,978.27	3,772.61	3,467.07	305.54	12.347		
13,600.00	7,141.60	7,173.60	7,173.60	192.73	248.71	-89.58	-484.71	-8,978.27	3,675.83	3,368.65	307.18	11.966		
13,700.00	7,141.79	7,173.79	7,173.79	195.54	248.71	-89.59	-484.71	-8,978.27	3,579.22	3,270.30	308.92	11.586		
13,800.00	7,141.99	7,173.99	7,173.99	198.36	248.72	-89.60	-484.71	-8,978.27	3,482.81	3,172.03	310.78	11.207		
13,900.00	7,142.18	7,174.18	7,174.18	201.18	248.73	-89.61	-484.71	-8,978.27	3,386.60	3,073.84	312.76	10.828		
14,000.00	7,142.37	7,174.37	7,174.37	204.01	248.73	-89.63	-484.71	-8,978.27	3,290.62	2,975.75	314.88	10.451		
14,100.00	7,142.57	7,174.57	7,174.57	206.83	248.74	-89.64	-484.71	-8,978.27	3,194.89	2,877.76	317.13	10.074		
14,200.00	7,142.76	7,174.76	7,174.76	209.65	248.75	-89.65	-484.71	-8,978.27	3,099.43	2,779.88	319.54	9.700		
14,300.00	7,142.96	7,174.96	7,174.96	212.48	248.75	-89.66	-484.71	-8,978.27	3,004.26	2,682.13	322.13	9.326		
14,400.00	7,143.15	7,175.15	7,175.15	215.30	248.76	-89.67	-484.71	-8,978.27	2,909.42	2,584.53	324.89	8.955		
14,500.00	7,143.34	7,175.34	7,175.34	218.13	248.77	-89.69	-484.71	-8,978.27	2,814.93	2,487.07	327.85	8.586		
14,600.00	7,143.54	7,175.54	7,175.54	220.96	248.77	-89.70	-484.71	-8,978.27	2,720.84	2,389.80	331.04	8.219		
14,700.00	7,143.73	7,175.73	7,175.73	223.79	248.78	-89.71	-484.71	-8,978.27	2,627.18	2,292.72	334.46	7.855		
14,800.00	7,143.93	7,175.93	7,175.93	226.62	248.79	-89.72	-484.71	-8,978.27	2,534.01	2,195.87	338.14	7.494		
14,838.32	7,144.00	7,176.00	7,176.00	227.70	248.79	-89.73	-484.71	-8,978.27	2,498.44	2,158.82	339.63	7.356		
14,900.00	7,144.12	7,176.12	7,176.12	229.45	248.79	-89.71	-484.71	-8,978.27	2,441.13	2,099.08	342.05	7.137		
15,000.00	7,144.32	7,176.32	7,176.32	232.26	248.80	-89.69	-484.71	-8,978.27	2,347.61	2,001.69	345.92	6.786		
15,027.81	7,144.37	7,176.37	7,176.37	233.04	248.80	-89.69	-484.71	-8,978.27	2,321.48	1,974.49	346.99	6.690		
15,100.00	7,144.51	7,176.51	7,176.51	235.07	248.81	-89.70	-484.71	-8,978.27	2,253.72	1,903.87	349.84	6.442		
15,200.00	7,144.71	7,176.71	7,176.71	237.87	248.82	-89.71	-484.71	-8,978.27	2,160.31	1,806.24	354.08	6.101		
15,300.00	7,144.91	7,176.91	7,176.91	240.68	248.82	-89.73	-484.71	-8,978.27	2,067.53	1,708.84	358.68	5.764		
15,400.00	7,145.10	7,177.10	7,177.10	243.48	248.83	-89.74	-484.71	-8,978.27	1,975.45	1,611.74	363.71	5.431		
15,500.00	7,145.30	7,177.30	7,177.30	246.29	248.84	-89.76	-484.71	-8,978.27	1,884.18	1,514.99	369.19	5.104		
15,600.00	7,145.50	7,177.50	7,177.50	249.10	248.84	-89.77	-484.71	-8,978.27	1,793.84	1,418.64	375.19	4.781		
15,700.00	7,145.69	7,177.69	7,177.69	251.91	248.85	-89.78	-484.71	-8,978.27	1,704.57	1,322.80	381.78	4.465		
15,800.00	7,145.89	7,177.89	7,177.89	254.71	248.86	-89.80	-484.71	-8,978.27	1,616.57	1,227.56	389.01	4.156		
15,900.00	7,146.09	7,178.09	7,178.09	257.52	248.86	-89.81	-484.71	-8,978.27	1,530.04	1,133.08	396.96	3.854		
16,000.00	7,146.28	7,178.28	7,178.28	260.34	248.87	-89.83	-484.71	-8,978.27	1,445.24	1,039.54	405.71	3.562		
16,100.00	7,146.48	7,178.48	7,178.48	263.15	248.88	-89.84	-484.71	-8,978.27	1,362.52	947.18	415.33	3.281		
16,200.00	7,146.68	7,178.68	7,178.68	265.96	248.88	-89.86	-484.71	-8,978.27	1,282.25	856.36	425.90	3.011		
16,300.00	7,146.87	7,178.87	7,178.87	268.77	248.89	-89.87	-484.71	-8,978.27	1,204.95	767.49	437.46	2.754		
16,400.00	7,147.07	7,179.07	7,179.07	271.58	248.90	-89.88	-484.71	-8,978.27	1,131.20	681.20	450.01	2.514		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
16,500.00	7,147.27	7,179.27	7,179.27	274.40	248.90	-89.90	-484.71	-8,978.27	1,061.76	598.28	463.48	2.291		
16,600.00	7,147.46	7,179.46	7,179.46	277.21	248.91	-89.91	-484.71	-8,978.27	997.53	519.83	477.69	2.088		
16,700.00	7,147.66	7,179.66	7,179.66	280.03	248.92	-89.93	-484.71	-8,978.27	939.57	447.28	492.29	1.909		
16,800.00	7,147.86	7,179.86	7,179.86	282.84	248.93	-89.94	-484.71	-8,978.27	889.10	382.44	506.66	1.755		
16,900.00	7,148.05	7,180.05	7,180.05	285.66	248.93	-89.96	-484.71	-8,978.27	847.48	327.50	519.98	1.630		
17,000.00	7,148.25	7,180.25	7,180.25	288.48	248.94	-89.97	-484.71	-8,978.27	816.06	284.89	531.17	1.536		
17,100.00	7,148.45	7,180.45	7,180.45	291.29	248.95	-89.98	-484.71	-8,978.27	796.03	256.93	539.10	1.477	Level 3	
17,200.00	7,148.64	7,180.64	7,180.64	294.11	248.95	-90.00	-484.71	-8,978.27	788.28	245.41	542.87	1.452	Level 3	
17,211.39	7,148.67	7,180.67	7,180.67	294.43	248.95	-90.00	-484.71	-8,978.27	788.20	245.19	543.01	1.452	Level 3, CC, ES, SF	
17,300.00	7,148.84	7,180.84	7,180.84	296.93	248.96	-90.01	-484.71	-8,978.27	793.17	251.12	542.05	1.463	Level 3	
17,400.00	7,149.04	7,181.04	7,181.04	299.75	248.97	-90.03	-484.71	-8,978.27	810.45	273.63	536.83	1.510		
17,500.00	7,149.23	7,181.23	7,181.23	302.57	248.97	-90.04	-484.71	-8,978.27	839.38	311.41	527.97	1.590		
17,600.00	7,149.43	7,181.43	7,181.43	305.39	248.98	-90.06	-484.71	-8,978.27	878.79	362.25	516.54	1.701		
17,700.00	7,149.63	7,181.63	7,181.63	308.21	248.99	-90.07	-484.71	-8,978.27	927.36	423.75	503.61	1.841		
17,800.00	7,149.82	7,181.82	7,181.82	311.03	248.99	-90.08	-484.71	-8,978.27	983.73	493.62	490.11	2.007		
17,900.00	7,150.02	7,182.02	7,182.02	313.85	249.00	-90.10	-484.71	-8,978.27	1,046.63	569.94	476.69	2.196		
18,000.00	7,150.22	7,182.22	7,182.22	316.67	249.01	-90.11	-484.71	-8,978.27	1,114.97	651.18	463.79	2.404		
18,100.00	7,150.41	7,182.41	7,182.41	319.49	249.01	-90.13	-484.71	-8,978.27	1,187.80	736.14	451.67	2.630		
18,200.00	7,150.61	7,182.61	7,182.61	322.32	249.02	-90.14	-484.71	-8,978.27	1,264.36	823.93	440.42	2.871		
18,300.00	7,150.81	7,182.81	7,182.81	325.14	249.03	-90.16	-484.71	-8,978.27	1,343.99	913.90	430.09	3.125		
18,400.00	7,151.00	7,183.00	7,183.00	327.96	249.04	-90.17	-484.71	-8,978.27	1,426.20	1,005.55	420.65	3.390		
18,500.00	7,151.20	7,183.20	7,183.20	330.78	249.04	-90.18	-484.71	-8,978.27	1,510.55	1,098.50	412.05	3.666		
18,600.00	7,151.40	7,183.40	7,183.40	333.61	249.05	-90.20	-484.71	-8,978.27	1,596.71	1,192.50	404.21	3.950		
18,700.00	7,151.59	7,183.59	7,183.59	336.43	249.06	-90.21	-484.71	-8,978.27	1,684.40	1,287.32	397.08	4.242		
18,800.00	7,151.79	7,183.79	7,183.79	339.26	249.06	-90.23	-484.71	-8,978.27	1,773.39	1,382.81	390.58	4.540		
18,906.26	7,152.00	7,184.00	7,184.00	342.26	249.07	-90.24	-484.71	-8,978.27	1,869.18	1,484.87	384.31	4.864		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-97.46	-1,270.62	-9,702.48	9,785.32					
100.00	100.00	113.00	113.00	3.28	3.95	-97.46	-1,270.62	-9,702.48	9,785.32	9,778.09	7.23	1,352.721		
200.00	200.00	213.00	213.00	3.34	6.57	-97.46	-1,270.62	-9,702.48	9,785.32	9,775.42	9.91	987.917		
300.00	299.98	312.98	312.98	3.44	9.75	-177.46	-1,270.62	-9,702.48	9,787.06	9,773.87	13.19	741.880		
400.00	399.84	412.84	412.84	3.60	13.08	-177.46	-1,270.62	-9,702.48	9,792.29	9,775.61	16.69	586.860		
500.00	499.45	512.45	512.45	3.81	16.47	-177.45	-1,270.62	-9,702.48	9,801.00	9,780.72	20.28	483.261		
600.00	598.70	611.70	611.70	4.06	19.88	-177.44	-1,270.62	-9,702.48	9,813.17	9,789.24	23.93	409.997		
700.00	697.47	710.47	710.47	4.34	23.29	-177.43	-1,270.62	-9,702.48	9,828.80	9,801.18	27.62	355.811		
785.50	781.43	805.57	794.43	4.61	26.58	-177.42	-1,270.62	-9,702.48	9,844.89	9,813.71	31.18	315.744		
800.00	795.63	808.63	808.63	4.66	26.69	-177.42	-1,270.62	-9,702.48	9,847.83	9,816.49	31.34	314.264		
900.00	893.55	906.55	906.55	5.02	30.08	-177.43	-1,270.62	-9,702.48	9,868.10	9,833.05	35.06	281.498		
1,000.00	991.47	1,004.47	1,004.47	5.40	33.48	-177.43	-1,270.62	-9,702.48	9,888.38	9,849.58	38.80	254.851		
1,100.00	1,089.39	1,102.39	1,102.39	5.80	36.89	-177.44	-1,270.62	-9,702.48	9,908.66	9,866.09	42.57	232.784		
1,200.00	1,187.31	1,200.31	1,200.31	6.21	40.29	-177.44	-1,270.62	-9,702.48	9,928.93	9,882.58	46.35	214.228		
1,300.00	1,285.22	1,301.78	1,298.22	6.64	43.82	-177.45	-1,270.62	-9,702.48	9,949.21	9,898.94	50.27	197.931		
1,400.00	1,383.14	1,403.86	1,396.14	7.08	47.38	-177.45	-1,270.62	-9,702.48	9,969.48	9,915.27	54.22	183.881		
1,500.00	1,481.06	1,505.94	1,494.06	7.52	50.93	-177.46	-1,270.62	-9,702.48	9,989.76	9,931.58	58.18	171.712		
8,100.00	7,130.94	7,143.94	7,143.94	47.70	247.67	-89.38	-1,270.62	-9,702.48	9,915.63	9,636.19	279.45	35.483		
8,200.00	7,131.13	7,144.13	7,144.13	49.65	247.68	-89.38	-1,270.62	-9,702.48	9,917.20	9,537.64	279.56	35.116		
8,300.00	7,131.32	7,144.32	7,144.32	51.70	247.69	-89.39	-1,270.62	-9,702.48	9,918.79	9,439.11	279.69	34.749		
8,400.00	7,131.52	7,144.52	7,144.52	53.81	247.69	-89.40	-1,270.62	-9,702.48	9,920.42	9,340.59	279.83	34.380		
8,500.00	7,131.71	7,144.71	7,144.71	55.99	247.70	-89.40	-1,270.62	-9,702.48	9,922.08	9,242.10	279.98	34.010		
8,600.00	7,131.90	7,144.90	7,144.90	58.24	247.71	-89.41	-1,270.62	-9,702.48	9,923.78	9,143.63	280.15	33.638		
8,700.00	7,132.10	7,145.10	7,145.10	60.53	247.71	-89.41	-1,270.62	-9,702.48	9,925.52	9,045.18	280.34	33.265		
8,800.00	7,132.29	7,145.29	7,145.29	62.87	247.72	-89.42	-1,270.62	-9,702.48	9,927.29	8,946.75	280.54	32.892		
8,900.00	7,132.49	7,145.49	7,145.49	65.25	247.73	-89.43	-1,270.62	-9,702.48	9,929.09	8,848.34	280.75	32.516		
9,000.00	7,132.68	7,145.68	7,145.68	67.68	247.73	-89.43	-1,270.62	-9,702.48	9,930.94	8,749.96	280.99	32.140		
9,100.00	7,132.87	7,145.87	7,145.87	70.13	247.74	-89.44	-1,270.62	-9,702.48	9,932.83	8,651.59	281.24	31.763		
9,200.00	7,133.07	7,146.07	7,146.07	72.61	247.75	-89.45	-1,270.62	-9,702.48	9,934.77	8,553.26	281.51	31.384		
9,300.00	7,133.26	7,146.26	7,146.26	75.13	247.75	-89.45	-1,270.62	-9,702.48	9,936.74	8,454.94	281.80	31.004		
9,400.00	7,133.46	7,146.46	7,146.46	77.66	247.76	-89.46	-1,270.62	-9,702.48	9,938.76	8,356.66	282.11	30.622		
9,500.00	7,133.65	7,146.65	7,146.65	80.22	247.77	-89.47	-1,270.62	-9,702.48	9,940.83	8,258.39	282.44	30.240		
9,600.00	7,133.84	7,146.84	7,146.84	82.80	247.77	-89.47	-1,270.62	-9,702.48	9,942.95	8,160.16	282.79	29.856		
9,700.00	7,134.04	7,147.04	7,147.04	85.40	247.78	-89.48	-1,270.62	-9,702.48	9,945.11	8,061.95	283.16	29.471		
9,800.00	7,134.23	7,147.23	7,147.23	88.01	247.79	-89.48	-1,270.62	-9,702.48	9,947.33	7,963.78	283.56	29.085		
9,900.00	7,134.43	7,147.43	7,147.43	90.64	247.79	-89.49	-1,270.62	-9,702.48	9,949.60	7,865.63	283.98	28.698		
10,000.00	7,134.62	7,147.62	7,147.62	93.28	247.80	-89.50	-1,270.62	-9,702.48	9,951.93	7,767.51	284.42	28.310		
10,100.00	7,134.81	7,147.81	7,147.81	95.94	247.81	-89.50	-1,270.62	-9,702.48	9,954.32	7,669.43	284.89	27.921		
10,200.00	7,135.01	7,148.01	7,148.01	98.61	247.81	-89.51	-1,270.62	-9,702.48	9,956.77	7,571.38	285.38	27.531		
10,300.00	7,135.20	7,148.20	7,148.20	101.28	247.82	-89.52	-1,270.62	-9,702.48	9,959.27	7,473.37	285.91	27.139		
10,400.00	7,135.39	7,148.39	7,148.39	103.97	247.83	-89.52	-1,270.62	-9,702.48	9,961.85	7,375.39	286.46	26.747		
10,500.00	7,135.59	7,148.59	7,148.59	106.67	247.83	-89.53	-1,270.62	-9,702.48	9,964.49	7,277.45	287.03	26.354		
10,600.00	7,135.78	7,148.78	7,148.78	109.38	247.84	-89.54	-1,270.62	-9,702.48	9,967.20	7,179.55	287.64	25.960		
10,700.00	7,135.98	7,148.98	7,148.98	112.09	247.85	-89.54	-1,270.62	-9,702.48	9,969.98	7,081.70	288.28	25.565		
10,800.00	7,136.17	7,149.17	7,149.17	114.81	247.85	-89.55	-1,270.62	-9,702.48	9,972.84	6,983.89	288.95	25.170		
10,900.00	7,136.36	7,149.36	7,149.36	117.54	247.86	-89.55	-1,270.62	-9,702.48	9,975.77	6,886.12	289.66	24.773		
11,000.00	7,136.56	7,149.56	7,149.56	120.28	247.87	-89.56	-1,270.62	-9,702.48	9,978.79	6,788.40	290.39	24.376		
11,100.00	7,136.75	7,149.75	7,149.75	123.02	247.87	-89.57	-1,270.62	-9,702.48	9,981.90	6,690.73	291.17	23.979		
11,200.00	7,136.95	7,149.95	7,149.95	125.76	247.88	-89.57	-1,270.62	-9,702.48	9,985.09	6,593.11	291.98	23.581		
11,300.00	7,137.14	7,150.14	7,150.14	128.52	247.89	-89.58	-1,270.62	-9,702.48	9,988.37	6,495.55	292.82	23.182		
11,400.00	7,137.33	7,150.33	7,150.33	131.27	247.89	-89.59	-1,270.62	-9,702.48	9,991.75	6,398.05	293.71	22.784		
11,500.00	7,137.53	7,150.53	7,150.53	134.03	247.90	-89.59	-1,270.62	-9,702.48	9,995.24	6,300.60	294.64	22.384		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
11,600.00	7,137.72	7,150.72	7,150.72	136.80	247.91	-89.60	-1,270.62	-9,702.48	6,498.82	6,203.22	295.60	21.985		
11,700.00	7,137.92	7,150.92	7,150.92	139.57	247.92	-89.61	-1,270.62	-9,702.48	6,402.52	6,105.91	296.61	21.585		
11,800.00	7,138.11	7,151.11	7,151.11	142.34	247.92	-89.61	-1,270.62	-9,702.48	6,306.33	6,008.66	297.67	21.186		
11,900.00	7,138.30	7,151.30	7,151.30	145.12	247.93	-89.62	-1,270.62	-9,702.48	6,210.27	5,911.49	298.77	20.786		
12,000.00	7,138.50	7,151.50	7,151.50	147.90	247.94	-89.63	-1,270.62	-9,702.48	6,114.33	5,814.40	299.92	20.386		
12,100.00	7,138.69	7,151.69	7,151.69	150.68	247.94	-89.63	-1,270.62	-9,702.48	6,018.52	5,717.39	301.12	19.987		
12,200.00	7,138.88	7,151.88	7,151.88	153.47	247.95	-89.64	-1,270.62	-9,702.48	5,922.85	5,620.47	302.38	19.588		
12,300.00	7,139.08	7,152.08	7,152.08	156.26	247.96	-89.64	-1,270.62	-9,702.48	5,827.32	5,523.64	303.68	19.189		
12,400.00	7,139.27	7,152.27	7,152.27	159.05	247.96	-89.65	-1,270.62	-9,702.48	5,731.95	5,426.90	305.05	18.790		
12,500.00	7,139.47	7,152.47	7,152.47	161.85	247.97	-89.66	-1,270.62	-9,702.48	5,636.74	5,330.27	306.47	18.393		
12,600.00	7,139.66	7,152.66	7,152.66	164.64	247.98	-89.66	-1,270.62	-9,702.48	5,541.70	5,233.74	307.95	17.995		
12,700.00	7,139.85	7,152.85	7,152.85	167.44	247.98	-89.67	-1,270.62	-9,702.48	5,446.83	5,137.33	309.50	17.599		
12,800.00	7,140.05	7,153.05	7,153.05	170.24	247.99	-89.68	-1,270.62	-9,702.48	5,352.15	5,041.04	311.11	17.203		
12,900.00	7,140.24	7,153.24	7,153.24	173.05	248.00	-89.68	-1,270.62	-9,702.48	5,257.67	4,944.87	312.80	16.809		
13,000.00	7,140.44	7,153.44	7,153.44	175.85	248.00	-89.69	-1,270.62	-9,702.48	5,163.40	4,848.84	314.55	16.415		
13,100.00	7,140.63	7,153.63	7,153.63	178.66	248.01	-89.70	-1,270.62	-9,702.48	5,069.34	4,752.96	316.38	16.023		
13,200.00	7,140.82	7,153.82	7,153.82	181.47	248.02	-89.70	-1,270.62	-9,702.48	4,975.52	4,657.22	318.29	15.632		
13,300.00	7,141.02	7,154.02	7,154.02	184.28	248.02	-89.71	-1,270.62	-9,702.48	4,881.94	4,561.65	320.29	15.242		
13,400.00	7,141.21	7,154.21	7,154.21	187.10	248.03	-89.71	-1,270.62	-9,702.48	4,788.62	4,466.25	322.37	14.854		
13,500.00	7,141.41	7,154.41	7,154.41	189.91	248.04	-89.72	-1,270.62	-9,702.48	4,695.58	4,371.04	324.54	14.468		
13,600.00	7,141.60	7,154.60	7,154.60	192.73	248.04	-89.73	-1,270.62	-9,702.48	4,602.83	4,276.02	326.81	14.084		
13,700.00	7,141.79	7,154.79	7,154.79	195.54	248.05	-89.73	-1,270.62	-9,702.48	4,510.39	4,181.21	329.18	13.702		
13,800.00	7,141.99	7,154.99	7,154.99	198.36	248.06	-89.74	-1,270.62	-9,702.48	4,418.28	4,086.62	331.66	13.322		
13,900.00	7,142.18	7,155.18	7,155.18	201.18	248.06	-89.75	-1,270.62	-9,702.48	4,326.52	3,992.27	334.25	12.944		
14,000.00	7,142.37	7,155.37	7,155.37	204.01	248.07	-89.75	-1,270.62	-9,702.48	4,235.13	3,898.18	336.95	12.569		
14,100.00	7,142.57	7,155.57	7,155.57	206.83	248.08	-89.76	-1,270.62	-9,702.48	4,144.14	3,804.36	339.78	12.197		
14,200.00	7,142.76	7,155.76	7,155.76	209.65	248.08	-89.77	-1,270.62	-9,702.48	4,053.57	3,710.84	342.74	11.827		
14,300.00	7,142.96	7,155.96	7,155.96	212.48	248.09	-89.77	-1,270.62	-9,702.48	3,963.46	3,617.63	345.83	11.461		
14,400.00	7,143.15	7,156.15	7,156.15	215.30	248.10	-89.78	-1,270.62	-9,702.48	3,873.83	3,524.76	349.07	11.098		
14,500.00	7,143.34	7,156.34	7,156.34	218.13	248.10	-89.79	-1,270.62	-9,702.48	3,784.72	3,432.27	352.46	10.738		
14,600.00	7,143.54	7,156.54	7,156.54	220.96	248.11	-89.79	-1,270.62	-9,702.48	3,696.17	3,340.17	356.01	10.382		
14,700.00	7,143.73	7,156.73	7,156.73	223.79	248.12	-89.80	-1,270.62	-9,702.48	3,608.22	3,248.50	359.72	10.031		
14,800.00	7,143.93	7,156.93	7,156.93	226.62	248.12	-89.80	-1,270.62	-9,702.48	3,520.91	3,157.29	363.62	9.683		
14,838.32	7,144.00	7,157.00	7,157.00	227.70	248.13	-89.81	-1,270.62	-9,702.48	3,487.64	3,122.48	365.16	9.551		
14,900.00	7,144.12	7,157.12	7,157.12	229.45	248.13	-89.80	-1,270.62	-9,702.48	3,433.97	3,066.31	367.65	9.340		
15,000.00	7,144.32	7,157.32	7,157.32	232.26	248.14	-89.79	-1,270.62	-9,702.48	3,346.14	2,974.49	371.64	9.004		
15,027.81	7,144.37	7,157.37	7,157.37	233.04	248.14	-89.78	-1,270.62	-9,702.48	3,321.54	2,948.80	372.74	8.911		
15,100.00	7,144.51	7,157.51	7,157.51	235.07	248.15	-89.79	-1,270.62	-9,702.48	3,257.75	2,882.12	375.63	8.673		
15,200.00	7,144.71	7,157.71	7,157.71	237.87	248.15	-89.80	-1,270.62	-9,702.48	3,169.99	2,790.18	379.81	8.346		
15,300.00	7,144.91	7,157.91	7,157.91	240.68	248.16	-89.80	-1,270.62	-9,702.48	3,082.97	2,698.76	384.21	8.024		
15,400.00	7,145.10	7,158.10	7,158.10	243.48	248.17	-89.81	-1,270.62	-9,702.48	2,996.76	2,607.93	388.83	7.707		
15,500.00	7,145.30	7,158.30	7,158.30	246.29	248.17	-89.82	-1,270.62	-9,702.48	2,911.44	2,517.74	393.70	7.395		
15,600.00	7,145.50	7,158.50	7,158.50	249.10	248.18	-89.83	-1,270.62	-9,702.48	2,827.08	2,428.27	398.81	7.089		
15,700.00	7,145.69	7,158.69	7,158.69	251.91	248.19	-89.83	-1,270.62	-9,702.48	2,743.77	2,339.57	404.19	6.788		
15,800.00	7,145.89	7,158.89	7,158.89	254.71	248.19	-89.84	-1,270.62	-9,702.48	2,661.61	2,251.75	409.86	6.494		
15,900.00	7,146.09	7,159.09	7,159.09	257.52	248.20	-89.85	-1,270.62	-9,702.48	2,580.70	2,164.90	415.81	6.206		
16,000.00	7,146.28	7,159.28	7,159.28	260.34	248.21	-89.86	-1,270.62	-9,702.48	2,501.18	2,079.12	422.06	5.926		
16,100.00	7,146.48	7,159.48	7,159.48	263.15	248.21	-89.86	-1,270.62	-9,702.48	2,423.18	1,994.56	428.62	5.653		
16,200.00	7,146.68	7,159.68	7,159.68	265.96	248.22	-89.87	-1,270.62	-9,702.48	2,346.85	1,911.35	435.50	5.389		
16,300.00	7,146.87	7,159.87	7,159.87	268.77	248.23	-89.88	-1,270.62	-9,702.48	2,272.35	1,829.66	442.69	5.133		
16,400.00	7,147.07	7,160.07	7,160.07	271.58	248.23	-89.89	-1,270.62	-9,702.48	2,199.88	1,749.68	450.20	4.886		
16,500.00	7,147.27	7,160.27	7,160.27	274.40	248.24	-89.89	-1,270.62	-9,702.48	2,129.64	1,671.62	458.02	4.650		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,147.46	7,160.46	7,160.46	277.21	248.25	-89.90	-1,270.62	-9,702.48	2,061.85	1,595.74	466.12	4.423		
16,700.00	7,147.66	7,160.66	7,160.66	280.03	248.26	-89.91	-1,270.62	-9,702.48	1,996.78	1,522.30	474.48	4.208		
16,800.00	7,147.86	7,160.86	7,160.86	282.84	248.26	-89.91	-1,270.62	-9,702.48	1,934.69	1,451.64	483.05	4.005		
16,900.00	7,148.05	7,161.05	7,161.05	285.66	248.27	-89.92	-1,270.62	-9,702.48	1,875.87	1,384.09	491.78	3.814		
17,000.00	7,148.25	7,161.25	7,161.25	288.48	248.28	-89.93	-1,270.62	-9,702.48	1,820.65	1,320.06	500.60	3.637		
17,100.00	7,148.45	7,161.45	7,161.45	291.29	248.28	-89.94	-1,270.62	-9,702.48	1,769.37	1,259.98	509.39	3.473		
17,200.00	7,148.64	7,161.64	7,161.64	294.11	248.29	-89.94	-1,270.62	-9,702.48	1,722.37	1,204.31	518.06	3.325		
17,300.00	7,148.84	7,161.84	7,161.84	296.93	248.30	-89.95	-1,270.62	-9,702.48	1,680.01	1,153.55	526.46	3.191		
17,400.00	7,149.04	7,162.04	7,162.04	299.75	248.30	-89.96	-1,270.62	-9,702.48	1,642.66	1,108.22	534.44	3.074		
17,500.00	7,149.23	7,162.23	7,162.23	302.57	248.31	-89.97	-1,270.62	-9,702.48	1,610.66	1,068.83	541.82	2.973		
17,600.00	7,149.43	7,162.43	7,162.43	305.39	248.32	-89.97	-1,270.62	-9,702.48	1,584.33	1,035.88	548.45	2.889		
17,700.00	7,149.63	7,162.63	7,162.63	308.21	248.32	-89.98	-1,270.62	-9,702.48	1,563.96	1,009.82	554.15	2.822		
17,800.00	7,149.82	7,162.82	7,162.82	311.03	248.33	-89.99	-1,270.62	-9,702.48	1,549.80	991.03	558.77	2.774		
17,900.00	7,150.02	7,163.02	7,163.02	313.85	248.34	-89.99	-1,270.62	-9,702.48	1,542.00	979.81	562.19	2.743		
17,970.57	7,150.16	7,163.16	7,163.16	315.84	248.34	-90.00	-1,270.62	-9,702.48	1,540.38	976.55	563.84	2.732 CC		
18,000.00	7,150.22	7,163.22	7,163.22	316.67	248.34	-90.00	-1,270.62	-9,702.48	1,540.66	976.33	564.33	2.730 ES, SF		
18,100.00	7,150.41	7,163.41	7,163.41	319.49	248.35	-90.01	-1,270.62	-9,702.48	1,545.81	980.65	565.16	2.735		
18,200.00	7,150.61	7,163.61	7,163.61	322.32	248.36	-90.02	-1,270.62	-9,702.48	1,557.37	992.68	564.70	2.758		
18,300.00	7,150.81	7,163.81	7,163.81	325.14	248.37	-90.02	-1,270.62	-9,702.48	1,575.21	1,012.22	563.00	2.798		
18,400.00	7,151.00	7,164.00	7,164.00	327.96	248.37	-90.03	-1,270.62	-9,702.48	1,599.12	1,038.95	560.17	2.855		
18,500.00	7,151.20	7,164.20	7,164.20	330.78	248.38	-90.04	-1,270.62	-9,702.48	1,628.82	1,072.49	556.34	2.928		
18,600.00	7,151.40	7,164.40	7,164.40	333.61	248.39	-90.05	-1,270.62	-9,702.48	1,664.02	1,112.36	551.66	3.016		
18,700.00	7,151.59	7,164.59	7,164.59	336.43	248.39	-90.05	-1,270.62	-9,702.48	1,704.36	1,158.07	546.29	3.120		
18,800.00	7,151.79	7,164.79	7,164.79	339.26	248.40	-90.06	-1,270.62	-9,702.48	1,749.49	1,209.12	540.38	3.238		
18,906.26	7,152.00	7,165.00	7,165.00	342.26	248.41	-90.07	-1,270.62	-9,702.48	1,802.30	1,268.63	533.67	3.377		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	23.94	23.94	3.28	3.28	-89.73	44.90	-9,701.96	9,702.06					
100.00	100.00	115.89	115.89	3.28	3.29	-89.73	45.09	-9,702.02	9,702.13	9,695.55	6.58	1,475.202		
200.00	200.00	207.30	207.30	3.34	3.35	-89.73	45.47	-9,702.15	9,702.28	9,695.59	6.69	1,451.242		
300.00	299.98	299.03	299.03	3.44	3.45	-169.72	45.87	-9,702.37	9,704.23	9,697.34	6.89	1,407.979		
400.00	399.84	418.28	418.28	3.60	3.64	-169.71	46.10	-9,702.57	9,709.55	9,702.31	7.24	1,341.039		
500.00	499.45	521.38	521.37	3.81	3.85	-169.69	46.01	-9,702.61	9,718.17	9,710.51	7.66	1,269.226		
600.00	598.70	616.11	616.10	4.06	4.08	-169.66	45.89	-9,702.69	9,730.24	9,722.11	8.13	1,196.924		
700.00	697.47	737.25	737.24	4.34	4.40	-169.62	45.97	-9,702.67	9,745.61	9,736.88	8.74	1,115.480		
785.50	781.43	835.16	835.15	4.61	4.69	-169.58	45.97	-9,702.44	9,761.26	9,751.97	9.29	1,050.706		
800.00	795.63	849.55	849.55	4.66	4.74	-169.59	45.95	-9,702.40	9,764.12	9,754.73	9.38	1,040.483		
900.00	893.55	930.56	930.56	5.02	4.99	-169.61	45.73	-9,702.19	9,783.85	9,773.89	9.96	981.962		
1,000.00	991.47	1,000.00	1,000.00	5.40	5.22	-169.62	45.52	-9,702.25	9,803.90	9,793.36	10.54	930.593		
1,100.00	1,089.39	1,100.00	1,102.04	5.80	5.56	-169.65	45.11	-9,702.39	9,824.01	9,812.77	11.24	874.360		
1,200.00	1,187.31	1,168.90	1,168.89	6.21	5.80	-169.66	44.74	-9,702.54	9,844.22	9,832.37	11.85	830.730		
1,300.00	1,285.22	1,273.01	1,273.00	6.64	6.17	-169.69	44.09	-9,703.10	9,864.74	9,852.13	12.61	782.339		
1,400.00	1,383.14	1,361.64	1,361.63	7.08	6.50	-169.71	43.54	-9,703.42	9,885.09	9,871.76	13.33	741.624		
1,500.00	1,481.06	1,438.67	1,438.65	7.52	6.78	-169.73	43.20	-9,703.88	9,905.65	9,891.63	14.02	706.654		
1,600.00	1,578.98	1,521.96	1,521.94	7.98	7.10	-169.75	42.74	-9,704.53	9,926.40	9,911.66	14.74	673.397		
1,700.00	1,676.90	1,618.73	1,618.71	8.44	7.47	-169.78	42.30	-9,705.35	9,947.21	9,931.69	15.53	640.665		
1,800.00	1,774.82	1,723.53	1,723.50	8.90	7.87	-169.80	41.98	-9,706.20	9,967.99	9,951.64	16.35	609.533		
1,900.00	1,872.74	1,817.72	1,817.69	9.37	8.24	-169.82	41.87	-9,706.92	9,988.73	9,971.58	17.15	582.556		
8,000.00	7,130.74	7,115.74	7,115.37	45.84	30.42	-81.37	69.00	-9,740.81	9,936.31	9,874.68	61.63	161.216		
8,100.00	7,130.94	7,116.37	7,116.00	47.70	30.42	-81.46	69.00	-9,740.81	9,836.40	9,774.75	61.64	159.572		
8,200.00	7,131.13	7,117.00	7,116.64	49.65	30.42	-81.54	69.00	-9,740.82	9,736.48	9,674.83	61.65	157.923		
8,300.00	7,131.32	7,117.63	7,117.27	51.70	30.43	-81.63	69.01	-9,740.82	9,636.57	9,574.90	61.67	156.271		
8,400.00	7,131.52	7,118.27	7,117.90	53.81	30.43	-81.72	69.01	-9,740.82	9,536.66	9,474.98	61.68	154.614		
8,500.00	7,131.71	7,118.90	7,118.53	55.99	30.43	-81.81	69.01	-9,740.83	9,436.75	9,375.05	61.70	152.954		
8,600.00	7,131.90	7,119.53	7,119.17	58.24	30.44	-81.90	69.02	-9,740.83	9,336.84	9,275.13	61.71	151.290		
8,700.00	7,132.10	7,120.16	7,119.80	60.53	30.44	-81.99	69.02	-9,740.83	9,236.93	9,175.20	61.74	149.622		
8,800.00	7,132.29	7,120.80	7,120.43	62.87	30.44	-82.08	69.02	-9,740.83	9,137.03	9,075.27	61.76	147.950		
8,900.00	7,132.49	7,121.43	7,121.06	65.25	30.44	-82.17	69.03	-9,740.84	9,037.13	8,975.35	61.78	146.275		
9,000.00	7,132.68	7,122.06	7,121.70	67.68	30.45	-82.26	69.03	-9,740.84	8,937.23	8,875.42	61.81	144.595		
9,100.00	7,132.87	7,122.69	7,122.33	70.13	30.45	-82.34	69.03	-9,740.84	8,837.33	8,775.50	61.84	142.913		
9,200.00	7,133.07	7,123.33	7,122.96	72.61	30.45	-82.43	69.04	-9,740.84	8,737.44	8,675.57	61.87	141.227		
9,300.00	7,133.26	7,123.96	7,123.59	75.13	30.45	-82.52	69.04	-9,740.85	8,637.55	8,575.64	61.90	139.537		
9,400.00	7,133.46	7,124.59	7,124.23	77.66	30.46	-82.61	69.04	-9,740.85	8,537.66	8,475.72	61.94	137.844		
9,500.00	7,133.65	7,125.22	7,124.86	80.22	30.46	-82.70	69.05	-9,740.85	8,437.77	8,375.79	61.98	136.147		
9,600.00	7,133.84	7,125.86	7,125.49	82.80	30.46	-82.79	69.05	-9,740.85	8,337.88	8,275.87	62.02	134.447		
9,700.00	7,134.04	7,126.49	7,126.12	85.40	30.47	-82.88	69.06	-9,740.86	8,238.00	8,175.94	62.06	132.744		
9,800.00	7,134.23	7,127.12	7,126.76	88.01	30.47	-82.97	69.06	-9,740.86	8,138.12	8,076.02	62.11	131.038		
9,900.00	7,134.43	7,127.75	7,127.39	90.64	30.47	-83.06	69.06	-9,740.86	8,038.25	7,976.09	62.15	129.328		
10,000.00	7,134.62	7,128.39	7,128.02	93.28	30.47	-83.15	69.07	-9,740.87	7,938.37	7,876.17	62.21	127.615		
10,100.00	7,134.81	7,129.02	7,128.65	95.94	30.48	-83.24	69.07	-9,740.87	7,838.50	7,776.24	62.26	125.899		
10,200.00	7,135.01	7,129.65	7,129.28	98.61	30.48	-83.33	69.07	-9,740.87	7,738.64	7,676.32	62.32	124.180		
10,300.00	7,135.20	7,130.28	7,129.92	101.28	30.48	-83.42	69.08	-9,740.87	7,638.77	7,576.39	62.38	122.458		
10,400.00	7,135.39	7,130.92	7,130.55	103.97	30.48	-83.51	69.08	-9,740.88	7,538.91	7,476.47	62.44	120.733		
10,500.00	7,135.59	7,131.55	7,131.18	106.67	30.49	-83.59	69.08	-9,740.88	7,439.06	7,376.55	62.51	119.005		
10,600.00	7,135.78	7,132.18	7,131.81	109.38	30.49	-83.68	69.09	-9,740.88	7,339.20	7,276.62	62.58	117.275		
10,700.00	7,135.98	7,132.81	7,132.45	112.09	30.49	-83.77	69.09	-9,740.88	7,239.36	7,176.70	62.66	115.541		
10,800.00	7,136.17	7,133.44	7,133.08	114.81	30.49	-83.86	69.09	-9,740.89	7,139.51	7,076.78	62.74	113.804		
10,900.00	7,136.36	7,134.08	7,133.71	117.54	30.50	-83.95	69.10	-9,740.89	7,039.67	6,976.85	62.82	112.065		
11,000.00	7,136.56	7,134.71	7,134.34	120.28	30.50	-84.04	69.10	-9,740.89	6,939.84	6,876.93	62.91	110.322		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
11,100.00	7,136.75	7,135.34	7,134.98	123.02	30.50	-84.13	69.10	-9,740.90	6,840.01	6,777.01	63.00	108.577		
11,200.00	7,136.95	7,135.97	7,135.61	125.76	30.51	-84.22	69.11	-9,740.90	6,740.18	6,677.09	63.09	106.829		
11,300.00	7,137.14	7,136.61	7,136.24	128.52	30.51	-84.31	69.11	-9,740.90	6,640.36	6,577.17	63.19	105.079		
11,400.00	7,137.33	7,137.24	7,136.87	131.27	30.51	-84.40	69.11	-9,740.90	6,540.55	6,477.25	63.30	103.325		
11,500.00	7,137.53	7,137.87	7,137.51	134.03	30.51	-84.49	69.12	-9,740.91	6,440.74	6,377.33	63.41	101.569		
11,600.00	7,137.72	7,138.50	7,138.14	136.80	30.52	-84.58	69.12	-9,740.91	6,340.94	6,277.41	63.53	99.811		
11,700.00	7,137.92	7,139.14	7,138.77	139.57	30.52	-84.67	69.13	-9,740.91	6,241.14	6,177.49	63.65	98.049		
11,800.00	7,138.11	7,139.77	7,139.40	142.34	30.52	-84.76	69.13	-9,740.91	6,141.35	6,077.56	63.78	96.285		
11,900.00	7,138.30	7,140.40	7,140.04	145.12	30.52	-84.85	69.13	-9,740.92	6,041.56	5,977.65	63.92	94.518		
12,000.00	7,138.50	7,141.03	7,140.67	147.90	30.53	-84.94	69.14	-9,740.92	5,941.79	5,877.73	64.06	92.748		
12,100.00	7,138.69	7,141.67	7,141.30	150.68	30.53	-85.03	69.14	-9,740.92	5,842.02	5,777.81	64.21	90.976		
12,200.00	7,138.88	7,142.30	7,141.93	153.47	30.53	-85.12	69.14	-9,740.93	5,742.26	5,677.89	64.37	89.201		
12,300.00	7,139.08	7,142.93	7,142.56	156.26	30.54	-85.21	69.15	-9,740.93	5,642.51	5,577.97	64.54	87.424		
12,400.00	7,139.27	7,143.56	7,143.20	159.05	30.54	-85.30	69.15	-9,740.93	5,542.76	5,478.05	64.72	85.644		
12,500.00	7,139.47	7,144.20	7,143.83	161.85	30.54	-85.39	69.15	-9,740.93	5,443.03	5,378.12	64.91	83.861		
12,600.00	7,139.66	7,144.83	7,144.46	164.64	30.54	-85.48	69.16	-9,740.94	5,343.31	5,278.20	65.10	82.075		
12,700.00	7,139.85	7,145.46	7,145.09	167.44	30.55	-85.57	69.16	-9,740.94	5,243.59	5,178.28	65.31	80.287		
12,800.00	7,140.05	7,146.09	7,145.73	170.24	30.55	-85.66	69.16	-9,740.94	5,143.89	5,078.36	65.53	78.496		
12,900.00	7,140.24	7,146.73	7,146.36	173.05	30.55	-85.75	69.17	-9,740.94	5,044.20	4,978.44	65.76	76.703		
13,000.00	7,140.44	7,147.36	7,146.99	175.85	30.55	-85.84	69.17	-9,740.95	4,944.52	4,878.51	66.01	74.907		
13,100.00	7,140.63	7,147.99	7,147.62	178.66	30.56	-85.93	69.17	-9,740.95	4,844.86	4,778.59	66.27	73.108		
13,200.00	7,140.82	7,148.62	7,148.26	181.47	30.56	-86.02	69.18	-9,740.95	4,745.20	4,678.66	66.55	71.307		
13,300.00	7,141.02	7,149.25	7,148.89	184.28	30.56	-86.11	69.18	-9,740.95	4,645.57	4,578.73	66.84	69.504		
13,400.00	7,141.21	7,149.89	7,149.52	187.10	30.56	-86.21	69.18	-9,740.96	4,545.95	4,478.80	67.15	67.698		
13,500.00	7,141.41	7,150.52	7,150.15	189.91	30.57	-86.30	69.19	-9,740.96	4,446.34	4,378.86	67.48	65.889		
13,600.00	7,141.60	7,151.15	7,150.79	192.73	30.57	-86.39	69.19	-9,740.96	4,346.76	4,278.92	67.83	64.079		
13,700.00	7,141.79	7,151.78	7,151.42	195.54	30.57	-86.48	69.20	-9,740.97	4,247.19	4,178.98	68.21	62.266		
13,800.00	7,141.99	7,152.42	7,152.05	198.36	30.58	-86.57	69.20	-9,740.97	4,147.65	4,079.03	68.61	60.451		
13,900.00	7,142.18	7,153.05	7,152.68	201.18	30.58	-86.66	69.20	-9,740.97	4,048.12	3,979.08	69.04	58.634		
14,000.00	7,142.37	7,153.68	7,153.32	204.01	30.58	-86.75	69.21	-9,740.97	3,948.62	3,879.13	69.50	56.816		
14,100.00	7,142.57	7,154.31	7,153.95	206.83	30.58	-86.84	69.21	-9,740.98	3,849.15	3,779.16	69.99	54.996		
14,200.00	7,142.76	7,154.95	7,154.58	209.65	30.59	-86.93	69.21	-9,740.98	3,749.71	3,679.19	70.52	53.176		
14,300.00	7,142.96	7,155.58	7,155.21	212.48	30.59	-87.02	69.22	-9,740.98	3,650.29	3,579.21	71.08	51.354		
14,400.00	7,143.15	7,156.21	7,155.84	215.30	30.59	-87.11	69.22	-9,740.98	3,550.91	3,479.22	71.69	49.533		
14,500.00	7,143.34	7,156.84	7,156.48	218.13	30.59	-87.20	69.22	-9,740.99	3,451.56	3,379.22	72.34	47.711		
14,600.00	7,143.54	7,157.48	7,157.11	220.96	30.60	-87.29	69.23	-9,740.99	3,352.25	3,279.20	73.05	45.890		
14,700.00	7,143.73	7,158.11	7,157.74	223.79	30.60	-87.38	69.23	-9,740.99	3,252.99	3,179.18	73.81	44.071		
14,800.00	7,143.93	7,158.74	7,158.37	226.62	30.60	-87.47	69.23	-9,741.00	3,153.77	3,079.13	74.64	42.254		
14,838.32	7,144.00	7,158.98	7,158.62	227.70	30.60	-87.51	69.23	-9,741.00	3,115.76	3,040.79	74.97	41.558		
14,900.00	7,144.12	7,159.37	7,159.00	229.45	30.61	-87.07	69.24	-9,741.00	3,054.52	2,979.03	75.49	40.462		
15,000.00	7,144.32	7,159.98	7,159.62	232.26	30.61	-85.88	69.24	-9,741.00	2,954.96	2,878.77	76.19	38.785		
15,027.81	7,144.37	7,160.15	7,159.78	233.04	30.61	-85.34	69.24	-9,741.00	2,927.23	2,850.88	76.35	38.340		
15,100.00	7,144.51	7,160.58	7,160.22	235.07	30.61	-85.46	69.24	-9,741.00	2,855.21	2,778.46	76.75	37.200		
15,200.00	7,144.71	7,161.18	7,160.81	237.87	30.61	-85.63	69.25	-9,741.01	2,755.47	2,678.12	77.35	35.624		
15,300.00	7,144.91	7,161.78	7,161.41	240.68	30.62	-85.80	69.25	-9,741.01	2,655.74	2,577.75	77.99	34.051		
15,400.00	7,145.10	7,162.38	7,162.01	243.48	30.62	-85.97	69.25	-9,741.01	2,556.04	2,477.35	78.69	32.483		
15,500.00	7,145.30	7,162.97	7,162.61	246.29	30.62	-86.14	69.26	-9,741.01	2,456.36	2,376.91	79.45	30.918		
15,600.00	7,145.50	7,163.57	7,163.21	249.10	30.62	-86.31	69.26	-9,741.02	2,356.71	2,276.43	80.27	29.359		
15,700.00	7,145.69	7,164.17	7,163.81	251.91	30.63	-86.48	69.26	-9,741.02	2,257.09	2,175.91	81.18	27.804		
15,800.00	7,145.89	7,164.77	7,164.40	254.71	30.63	-86.65	69.27	-9,741.02	2,157.50	2,075.33	82.17	26.255		
15,900.00	7,146.09	7,165.37	7,165.00	257.52	30.63	-86.82	69.27	-9,741.02	2,057.95	1,974.68	83.28	24.713		
16,000.00	7,146.28	7,165.97	7,165.60	260.34	30.63	-86.99	69.27	-9,741.03	1,958.45	1,873.95	84.50	23.177		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
16,100.00	7,146.48	7,166.57	7,166.20	263.15	30.64	-87.16	69.28	-9,741.03	1,859.01	1,773.14	85.87	21.650		
16,200.00	7,146.68	7,167.16	7,166.80	265.96	30.64	-87.33	69.28	-9,741.03	1,759.62	1,672.22	87.40	20.133		
16,300.00	7,146.87	7,167.76	7,167.40	268.77	30.64	-87.50	69.28	-9,741.03	1,660.31	1,571.17	89.14	18.626		
16,400.00	7,147.07	7,168.36	7,167.99	271.58	30.64	-87.68	69.29	-9,741.04	1,561.09	1,469.97	91.12	17.133		
16,500.00	7,147.27	7,168.96	7,168.59	274.40	30.65	-87.85	69.29	-9,741.04	1,461.97	1,368.58	93.39	15.654		
16,600.00	7,147.46	7,169.56	7,169.19	277.21	30.65	-88.02	69.29	-9,741.04	1,362.98	1,266.96	96.02	14.194		
16,700.00	7,147.66	7,170.16	7,169.79	280.03	30.65	-88.19	69.30	-9,741.04	1,264.15	1,165.05	99.11	12.756		
16,800.00	7,147.86	7,170.75	7,170.39	282.84	30.65	-88.36	69.30	-9,741.05	1,165.52	1,062.77	102.75	11.343		
16,900.00	7,148.05	7,171.35	7,170.99	285.66	30.66	-88.53	69.30	-9,741.05	1,067.14	960.03	107.11	9.963		
17,000.00	7,148.25	7,171.95	7,171.58	288.48	30.66	-88.70	69.31	-9,741.05	969.10	856.68	112.42	8.620		
17,100.00	7,148.45	7,172.55	7,172.18	291.29	30.66	-88.87	69.31	-9,741.05	871.50	752.53	118.98	7.325		
17,200.00	7,148.64	7,173.15	7,172.78	294.11	30.66	-89.05	69.31	-9,741.06	774.51	647.28	127.24	6.087		
17,300.00	7,148.84	7,173.75	7,173.38	296.93	30.67	-89.22	69.32	-9,741.06	678.40	540.52	137.89	4.920		
17,400.00	7,149.04	7,174.34	7,173.98	299.75	30.67	-89.39	69.32	-9,741.06	583.60	431.61	151.99	3.840		
17,500.00	7,149.23	7,174.94	7,174.58	302.57	30.67	-89.56	69.32	-9,741.06	490.85	319.61	171.25	2.866		
17,600.00	7,149.43	7,175.54	7,175.17	305.39	30.67	-89.73	69.33	-9,741.07	401.61	203.24	198.38	2.024		
17,700.00	7,149.63	7,176.14	7,175.77	308.21	30.68	-89.90	69.33	-9,741.07	318.82	81.55	237.27	1.344	Level 3	
17,800.00	7,149.82	7,176.74	7,176.37	311.03	30.68	-90.07	69.33	-9,741.07	249.00	-40.96	289.96	0.859	Level 1	
17,900.00	7,150.02	7,177.34	7,176.97	313.85	30.68	-90.24	69.34	-9,741.07	205.79	-133.19	338.98	0.607	Level 1	
17,948.24	7,150.12	7,177.62	7,177.26	315.21	30.68	-90.33	69.34	-9,741.08	200.06	-145.45	345.51	0.579	Level 1, CC, ES, SF	
18,000.00	7,150.22	7,177.93	7,177.57	316.67	30.68	-90.42	69.34	-9,741.08	206.65	-126.69	333.34	0.620	Level 1	
18,100.00	7,150.41	7,178.53	7,178.17	319.49	30.69	-90.59	69.34	-9,741.08	251.10	-25.93	277.04	0.906	Level 1	
18,200.00	7,150.61	7,179.13	7,178.76	322.32	30.69	-90.76	69.35	-9,741.08	321.56	99.91	221.65	1.451	Level 3	
18,300.00	7,150.81	7,179.73	7,179.36	325.14	30.69	-90.93	69.35	-9,741.09	404.66	222.76	181.91	2.225		
18,400.00	7,151.00	7,180.33	7,179.96	327.96	30.69	-91.10	69.35	-9,741.09	494.07	339.46	154.61	3.196		
18,500.00	7,151.20	7,180.93	7,180.56	330.78	30.70	-91.27	69.36	-9,741.09	586.90	451.41	135.49	4.332		
18,600.00	7,151.40	7,181.52	7,181.16	333.61	30.70	-91.44	69.36	-9,741.09	681.76	560.07	121.69	5.603		
18,700.00	7,151.59	7,182.12	7,181.76	336.43	30.70	-91.62	69.36	-9,741.10	777.91	666.47	111.44	6.980		
18,800.00	7,151.79	7,182.72	7,182.35	339.26	30.70	-91.79	69.37	-9,741.10	874.92	771.26	103.66	8.440		
18,906.26	7,152.00	7,183.36	7,182.99	342.26	30.71	-91.97	69.37	-9,741.10	978.67	881.37	97.30	10.058		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-98.46	-1,271.05	-8,543.86	8,637.89					
100.00	100.00	114.00	114.00	3.28	3.97	-98.46	-1,271.05	-8,543.86	8,637.89	8,630.64	7.25	1,190.883		
200.00	200.00	214.00	214.00	3.34	6.60	-98.46	-1,271.05	-8,543.86	8,637.89	8,627.96	9.94	869.416		
300.00	299.98	313.98	313.98	3.44	9.78	-178.46	-1,271.05	-8,543.86	8,639.64	8,626.41	13.23	653.274		
400.00	399.84	413.84	413.84	3.60	13.12	-178.46	-1,271.05	-8,543.86	8,644.87	8,628.15	16.72	517.046		
500.00	499.45	513.45	513.45	3.81	16.51	-178.46	-1,271.05	-8,543.86	8,653.58	8,633.26	20.32	425.965		
600.00	598.70	612.70	612.70	4.06	19.92	-178.45	-1,271.05	-8,543.86	8,665.76	8,641.79	23.97	361.536		
700.00	697.47	711.47	711.47	4.34	23.32	-178.45	-1,271.05	-8,543.86	8,681.40	8,653.74	27.66	313.879		
785.50	781.43	804.57	795.43	4.61	26.55	-178.44	-1,271.05	-8,543.86	8,697.49	8,666.35	31.15	279.253		
800.00	795.63	809.63	809.63	4.66	26.72	-178.44	-1,271.05	-8,543.86	8,700.43	8,669.06	31.37	277.339		
900.00	893.55	907.55	907.55	5.02	30.12	-178.44	-1,271.05	-8,543.86	8,720.72	8,685.63	35.09	248.519		
1,000.00	991.47	1,005.47	1,005.47	5.40	33.52	-178.45	-1,271.05	-8,543.86	8,741.01	8,702.18	38.84	225.075		
1,100.00	1,089.39	1,103.39	1,103.39	5.80	36.92	-178.45	-1,271.05	-8,543.86	8,761.30	8,718.70	42.60	205.658		
1,200.00	1,187.31	1,201.31	1,201.31	6.21	40.33	-178.45	-1,271.05	-8,543.86	8,781.59	8,735.21	46.38	189.328		
1,300.00	1,285.22	1,300.78	1,299.22	6.64	43.79	-178.46	-1,271.05	-8,543.86	8,801.88	8,751.65	50.23	175.224		
1,400.00	1,383.14	1,402.86	1,397.14	7.08	47.34	-178.46	-1,271.05	-8,543.86	8,822.17	8,767.98	54.18	162.820		
1,500.00	1,481.06	1,504.94	1,495.06	7.52	50.90	-178.47	-1,271.05	-8,543.86	8,842.46	8,784.31	58.14	152.079		
1,600.00	1,578.98	1,607.02	1,592.98	7.98	54.45	-178.47	-1,271.05	-8,543.86	8,862.74	8,800.63	62.11	142.690		
1,700.00	1,676.90	1,709.10	1,690.90	8.44	58.01	-178.47	-1,271.05	-8,543.86	8,883.03	8,816.95	66.09	134.415		
1,800.00	1,774.82	1,788.82	1,788.82	8.90	60.79	-178.48	-1,271.05	-8,543.86	8,903.32	8,834.04	69.29	128.499		
1,900.00	1,872.74	1,886.74	1,886.74	9.37	64.20	-178.48	-1,271.05	-8,543.86	8,923.61	8,850.48	73.13	122.029		
2,000.00	1,970.66	1,984.66	1,984.66	9.84	67.62	-178.48	-1,271.05	-8,543.86	8,943.90	8,866.93	76.97	116.199		
2,100.00	2,068.57	2,082.57	2,082.57	10.32	71.03	-178.49	-1,271.05	-8,543.86	8,964.19	8,883.37	80.82	110.919		
2,200.00	2,166.49	2,180.49	2,180.49	10.80	74.45	-178.49	-1,271.05	-8,543.86	8,984.48	8,899.81	84.67	106.114		
2,300.00	2,264.41	2,278.41	2,278.41	11.28	77.86	-178.49	-1,271.05	-8,543.86	9,004.77	8,916.25	88.52	101.725		
2,400.00	2,362.33	2,376.33	2,376.33	11.76	81.28	-178.50	-1,271.05	-8,543.86	9,025.06	8,932.68	92.38	97.699		
2,500.00	2,460.25	2,474.25	2,474.25	12.24	84.69	-178.50	-1,271.05	-8,543.86	9,045.35	8,949.11	96.23	93.994		
2,600.00	2,558.17	2,572.17	2,572.17	12.73	88.11	-178.50	-1,271.05	-8,543.86	9,065.64	8,965.54	100.09	90.572		
2,700.00	2,656.09	2,670.09	2,670.09	13.22	91.53	-178.51	-1,271.05	-8,543.86	9,085.92	8,981.97	103.95	87.403		
2,800.00	2,754.01	2,768.01	2,768.01	13.71	94.94	-178.51	-1,271.05	-8,543.86	9,106.21	8,998.40	107.82	84.460		
2,900.00	2,851.92	2,865.92	2,865.92	14.20	98.36	-178.51	-1,271.05	-8,543.86	9,126.50	9,014.82	111.68	81.720		
3,000.00	2,949.84	2,963.84	2,963.84	14.69	101.78	-178.52	-1,271.05	-8,543.86	9,146.79	9,031.25	115.54	79.162		
3,100.00	3,047.76	3,061.76	3,061.76	15.18	105.19	-178.52	-1,271.05	-8,543.86	9,167.08	9,047.67	119.41	76.769		
3,200.00	3,145.68	3,159.68	3,159.68	15.67	108.61	-178.52	-1,271.05	-8,543.86	9,187.37	9,064.09	123.28	74.526		
3,300.00	3,243.60	3,257.60	3,257.60	16.17	112.03	-178.53	-1,271.05	-8,543.86	9,207.66	9,080.51	127.15	72.418		
3,400.00	3,341.52	3,355.52	3,355.52	16.66	115.44	-178.53	-1,271.05	-8,543.86	9,227.95	9,096.93	131.01	70.434		
3,500.00	3,439.44	3,453.44	3,453.44	17.16	118.86	-178.53	-1,271.05	-8,543.86	9,248.24	9,113.35	134.88	68.564		
3,600.00	3,537.36	3,551.36	3,551.36	17.65	122.28	-178.54	-1,271.05	-8,543.86	9,268.53	9,129.77	138.75	66.798		
3,700.00	3,635.27	3,649.27	3,649.27	18.15	125.69	-178.54	-1,271.05	-8,543.86	9,288.82	9,146.19	142.63	65.127		
3,800.00	3,733.19	3,747.19	3,747.19	18.65	129.11	-178.54	-1,271.05	-8,543.86	9,309.11	9,162.61	146.50	63.545		
3,900.00	3,831.11	3,845.11	3,845.11	19.14	132.53	-178.55	-1,271.05	-8,543.86	9,329.40	9,179.03	150.37	62.043		
4,000.00	3,929.03	3,943.03	3,943.03	19.64	135.95	-178.55	-1,271.05	-8,543.86	9,349.69	9,195.45	154.24	60.617		
4,100.00	4,026.95	4,040.95	4,040.95	20.14	139.36	-178.55	-1,271.05	-8,543.86	9,369.98	9,211.86	158.11	59.261		
4,200.00	4,124.87	4,138.87	4,138.87	20.64	142.78	-178.55	-1,271.05	-8,543.86	9,390.27	9,228.28	161.99	57.969		
4,300.00	4,222.79	4,236.79	4,236.79	21.14	146.20	-178.56	-1,271.05	-8,543.86	9,410.56	9,244.69	165.86	56.737		
4,400.00	4,320.71	4,334.71	4,334.71	21.64	149.62	-178.56	-1,271.05	-8,543.86	9,430.85	9,261.11	169.74	55.562		
4,500.00	4,418.62	4,432.62	4,432.62	22.14	153.03	-178.56	-1,271.05	-8,543.86	9,451.13	9,277.52	173.61	54.439		
4,600.00	4,516.54	4,530.54	4,530.54	22.64	156.45	-178.57	-1,271.05	-8,543.86	9,471.42	9,293.94	177.49	53.365		
4,700.00	4,614.46	4,628.46	4,628.46	23.14	159.87	-178.57	-1,271.05	-8,543.86	9,491.71	9,310.35	181.36	52.336		
4,800.00	4,712.38	4,726.38	4,726.38	23.64	163.29	-178.57	-1,271.05	-8,543.86	9,512.00	9,326.77	185.24	51.351		
4,900.00	4,810.30	4,824.30	4,824.30	24.14	166.70	-178.58	-1,271.05	-8,543.86	9,532.29	9,343.18	189.11	50.406		
5,000.00	4,908.22	4,922.22	4,922.22	24.64	170.12	-178.58	-1,271.05	-8,543.86	9,552.58	9,359.60	192.99	49.498		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,020.14	5,020.14	25.14	173.54	-178.58	-1,271.05	-8,543.86	9,572.87	9,376.01	196.86	48.627		
5,200.00	5,104.06	5,118.06	5,118.06	25.64	176.96	-178.59	-1,271.05	-8,543.86	9,593.16	9,392.42	200.74	47.789		
5,300.00	5,201.97	5,215.97	5,215.97	26.14	180.37	-178.59	-1,271.05	-8,543.86	9,613.45	9,408.84	204.62	46.983		
5,400.00	5,299.89	5,313.89	5,313.89	26.64	183.79	-178.59	-1,271.05	-8,543.86	9,633.74	9,425.25	208.49	46.206		
5,500.00	5,397.81	5,411.81	5,411.81	27.15	187.21	-178.59	-1,271.05	-8,543.86	9,654.03	9,441.66	212.37	45.458		
5,600.00	5,495.73	5,509.73	5,509.73	27.65	190.63	-178.60	-1,271.05	-8,543.86	9,674.32	9,458.07	216.25	44.737		
5,700.00	5,593.65	5,607.65	5,607.65	28.15	194.05	-178.60	-1,271.05	-8,543.86	9,694.61	9,474.49	220.13	44.041		
5,800.00	5,691.57	5,705.57	5,705.57	28.65	197.46	-178.60	-1,271.05	-8,543.86	9,714.90	9,490.90	224.00	43.369		
5,900.00	5,789.49	5,803.49	5,803.49	29.15	200.88	-178.61	-1,271.05	-8,543.86	9,735.19	9,507.31	227.88	42.720		
6,000.00	5,887.41	5,901.41	5,901.41	29.66	204.30	-178.61	-1,271.05	-8,543.86	9,755.48	9,523.72	231.76	42.093		
6,100.00	5,985.32	6,000.68	5,999.32	30.16	207.76	-178.61	-1,271.05	-8,543.86	9,775.77	9,540.09	235.69	41.478		
6,200.00	6,083.24	6,102.76	6,097.24	30.66	211.33	-178.61	-1,271.05	-8,543.86	9,796.06	9,556.35	239.71	40.866		
6,300.00	6,181.16	6,204.84	6,195.16	31.16	214.89	-178.62	-1,271.05	-8,543.86	9,816.35	9,572.62	243.73	40.275		
6,400.00	6,279.08	6,306.92	6,293.08	31.67	218.45	-178.62	-1,271.05	-8,543.86	9,836.64	9,588.89	247.76	39.703		
6,490.03	6,367.24	6,381.24	6,381.24	32.12	221.05	-178.62	-1,271.05	-8,543.86	9,854.91	9,604.14	250.77	39.299		
6,500.00	6,377.01	6,408.99	6,391.01	32.17	222.02	-177.67	-1,271.05	-8,543.86	9,856.86	9,605.08	251.78	39.148		
6,550.00	6,426.43	6,440.43	6,440.43	32.40	223.11	-169.14	-1,271.05	-8,543.86	9,864.34	9,611.24	253.10	38.974		
6,600.00	6,476.27	6,509.73	6,490.27	32.61	225.53	-134.43	-1,271.05	-8,543.86	9,867.98	9,612.25	255.73	38.588		
6,650.00	6,526.21	6,540.21	6,540.21	32.80	226.60	-48.20	-1,271.05	-8,543.86	9,867.75	9,610.77	256.98	38.398		
6,700.00	6,575.96	6,589.96	6,589.96	32.98	228.33	-27.24	-1,271.05	-8,543.86	9,863.66	9,604.77	258.89	38.100		
6,750.00	6,625.19	6,639.19	6,639.19	33.16	230.05	-21.10	-1,271.05	-8,543.86	9,855.74	9,594.98	260.76	37.796		
6,800.00	6,673.62	6,687.62	6,687.62	33.35	231.74	-18.40	-1,271.05	-8,543.86	9,844.03	9,581.44	262.59	37.488		
6,850.00	6,720.94	6,734.94	6,734.94	33.55	233.39	-17.02	-1,271.05	-8,543.86	9,828.60	9,564.24	264.36	37.179		
6,900.00	6,766.86	6,780.86	6,780.86	33.76	235.00	-16.32	-1,271.05	-8,543.86	9,809.55	9,543.49	266.07	36.869		
6,950.00	6,811.10	6,825.10	6,825.10	33.98	236.54	-16.06	-1,271.05	-8,543.86	9,787.00	9,519.31	267.70	36.560		
7,000.00	6,853.38	6,867.38	6,867.38	34.23	238.02	-16.12	-1,271.05	-8,543.86	9,761.10	9,491.85	269.24	36.254		
7,050.00	6,893.45	6,907.45	6,907.45	34.50	239.42	-16.45	-1,271.05	-8,543.86	9,731.99	9,461.29	270.70	35.951		
7,100.00	6,931.05	6,945.05	6,945.05	34.79	240.73	-17.06	-1,271.05	-8,543.86	9,699.87	9,427.81	272.06	35.654		
7,150.00	6,965.96	6,979.96	6,979.96	35.12	241.95	-17.96	-1,271.05	-8,543.86	9,664.92	9,391.61	273.31	35.363		
7,200.00	6,997.96	7,011.96	7,011.96	35.47	243.06	-19.21	-1,271.05	-8,543.86	9,627.37	9,352.92	274.45	35.079		
7,250.00	7,026.85	7,040.85	7,040.85	35.86	244.07	-20.90	-1,271.05	-8,543.86	9,587.45	9,311.98	275.47	34.804		
7,300.00	7,052.45	7,066.45	7,066.45	36.29	244.97	-23.19	-1,271.05	-8,543.86	9,545.40	9,269.03	276.38	34.538		
7,350.00	7,074.61	7,088.61	7,088.61	36.76	245.74	-26.32	-1,271.05	-8,543.86	9,501.50	9,224.34	277.16	34.282		
7,400.00	7,093.19	7,107.19	7,107.19	37.27	246.39	-30.70	-1,271.05	-8,543.86	9,455.99	9,178.18	277.81	34.038		
7,450.00	7,108.07	7,122.07	7,122.07	37.81	246.91	-37.05	-1,271.05	-8,543.86	9,409.18	9,130.84	278.33	33.805		
7,500.00	7,119.17	7,133.17	7,133.17	38.39	247.30	-46.57	-1,271.05	-8,543.86	9,361.34	9,082.61	278.73	33.585		
7,550.00	7,126.41	7,140.41	7,140.41	38.99	247.55	-61.06	-1,271.05	-8,543.86	9,312.77	9,033.78	279.00	33.379		
7,600.00	7,129.75	7,143.75	7,143.75	39.62	247.67	-81.68	-1,271.05	-8,543.86	9,263.78	8,984.64	279.14	33.187		
7,616.41	7,130.00	7,144.00	7,144.00	39.83	247.67	-89.41	-1,271.05	-8,543.86	9,247.66	8,968.51	279.16	33.127		
7,700.00	7,130.16	7,144.16	7,144.16	40.97	247.68	-89.42	-1,271.05	-8,543.86	9,165.53	8,886.32	279.21	32.826		
7,800.00	7,130.35	7,144.35	7,144.35	42.46	247.69	-89.42	-1,271.05	-8,543.86	9,067.31	8,788.02	279.30	32.465		
7,900.00	7,130.55	7,144.55	7,144.55	44.09	247.69	-89.43	-1,271.05	-8,543.86	8,969.14	8,689.75	279.39	32.102		
8,000.00	7,130.74	7,144.74	7,144.74	45.84	247.70	-89.44	-1,271.05	-8,543.86	8,871.00	8,591.50	279.50	31.739		
8,100.00	7,130.94	7,144.94	7,144.94	47.70	247.71	-89.44	-1,271.05	-8,543.86	8,772.91	8,493.28	279.63	31.374		
8,200.00	7,131.13	7,145.13	7,145.13	49.65	247.71	-89.45	-1,271.05	-8,543.86	8,674.86	8,395.09	279.77	31.008		
8,300.00	7,131.32	7,145.32	7,145.32	51.70	247.72	-89.46	-1,271.05	-8,543.86	8,576.85	8,296.93	279.92	30.640		
8,400.00	7,131.52	7,145.52	7,145.52	53.81	247.73	-89.46	-1,271.05	-8,543.86	8,478.89	8,198.80	280.10	30.271		
8,500.00	7,131.71	7,145.71	7,145.71	55.99	247.73	-89.47	-1,271.05	-8,543.86	8,380.98	8,100.70	280.29	29.901		
8,600.00	7,131.90	7,145.90	7,145.90	58.24	247.74	-89.47	-1,271.05	-8,543.86	8,283.12	8,002.62	280.50	29.530		
8,700.00	7,132.10	7,146.10	7,146.10	60.53	247.75	-89.48	-1,271.05	-8,543.86	8,185.32	7,904.58	280.73	29.157		
8,800.00	7,132.29	7,146.29	7,146.29	62.87	247.75	-89.49	-1,271.05	-8,543.86	8,087.56	7,806.58	280.98	28.783		
8,900.00	7,132.49	7,146.49	7,146.49	65.25	247.76	-89.49	-1,271.05	-8,543.86	7,989.86	7,708.61	281.26	28.408		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,146.68	7,146.68	67.68	247.77	-89.50	-1,271.05	-8,543.86	7,892.22	7,610.67	281.55	28.031		
9,100.00	7,132.87	7,146.87	7,146.87	70.13	247.77	-89.51	-1,271.05	-8,543.86	7,794.64	7,512.77	281.87	27.653		
9,200.00	7,133.07	7,147.07	7,147.07	72.61	247.78	-89.51	-1,271.05	-8,543.86	7,697.12	7,414.90	282.21	27.274		
9,300.00	7,133.26	7,147.26	7,147.26	75.13	247.79	-89.52	-1,271.05	-8,543.86	7,599.66	7,317.08	282.58	26.894		
9,400.00	7,133.46	7,147.46	7,147.46	77.66	247.79	-89.53	-1,271.05	-8,543.86	7,502.27	7,219.30	282.98	26.512		
9,500.00	7,133.65	7,147.65	7,147.65	80.22	247.80	-89.53	-1,271.05	-8,543.86	7,404.95	7,121.56	283.40	26.129		
9,600.00	7,133.84	7,147.84	7,147.84	82.80	247.81	-89.54	-1,271.05	-8,543.86	7,307.71	7,023.86	283.85	25.745		
9,700.00	7,134.04	7,148.04	7,148.04	85.40	247.81	-89.55	-1,271.05	-8,543.86	7,210.54	6,926.21	284.33	25.360		
9,800.00	7,134.23	7,148.23	7,148.23	88.01	247.82	-89.55	-1,271.05	-8,543.86	7,113.44	6,828.60	284.84	24.973		
9,900.00	7,134.43	7,148.43	7,148.43	90.64	247.83	-89.56	-1,271.05	-8,543.86	7,016.43	6,731.05	285.38	24.586		
10,000.00	7,134.62	7,148.62	7,148.62	93.28	247.83	-89.57	-1,271.05	-8,543.86	6,919.51	6,633.55	285.96	24.198		
10,100.00	7,134.81	7,148.81	7,148.81	95.94	247.84	-89.57	-1,271.05	-8,543.86	6,822.67	6,536.10	286.57	23.808		
10,200.00	7,135.01	7,149.01	7,149.01	98.61	247.85	-89.58	-1,271.05	-8,543.86	6,725.92	6,438.71	287.21	23.418		
10,300.00	7,135.20	7,149.20	7,149.20	101.28	247.86	-89.59	-1,271.05	-8,543.86	6,629.27	6,341.38	287.90	23.027		
10,400.00	7,135.39	7,149.39	7,149.39	103.97	247.86	-89.59	-1,271.05	-8,543.86	6,532.73	6,244.11	288.62	22.634		
10,500.00	7,135.59	7,149.59	7,149.59	106.67	247.87	-89.60	-1,271.05	-8,543.86	6,436.28	6,146.91	289.38	22.242		
10,600.00	7,135.78	7,149.78	7,149.78	109.38	247.88	-89.60	-1,271.05	-8,543.86	6,339.95	6,049.77	290.18	21.848		
10,700.00	7,135.98	7,149.98	7,149.98	112.09	247.88	-89.61	-1,271.05	-8,543.86	6,243.74	5,952.71	291.03	21.454		
10,800.00	7,136.17	7,150.17	7,150.17	114.81	247.89	-89.62	-1,271.05	-8,543.86	6,147.64	5,855.73	291.92	21.060		
10,900.00	7,136.36	7,150.36	7,150.36	117.54	247.90	-89.62	-1,271.05	-8,543.86	6,051.67	5,758.82	292.85	20.665		
11,000.00	7,136.56	7,150.56	7,150.56	120.28	247.90	-89.63	-1,271.05	-8,543.86	5,955.84	5,662.00	293.84	20.269		
11,100.00	7,136.75	7,150.75	7,150.75	123.02	247.91	-89.64	-1,271.05	-8,543.86	5,860.14	5,565.27	294.87	19.874		
11,200.00	7,136.95	7,150.95	7,150.95	125.76	247.92	-89.64	-1,271.05	-8,543.86	5,764.59	5,468.63	295.95	19.478		
11,300.00	7,137.14	7,151.14	7,151.14	128.52	247.92	-89.65	-1,271.05	-8,543.86	5,669.19	5,372.10	297.09	19.082		
11,400.00	7,137.33	7,151.33	7,151.33	131.27	247.93	-89.66	-1,271.05	-8,543.86	5,573.95	5,275.66	298.29	18.686		
11,500.00	7,137.53	7,151.53	7,151.53	134.03	247.94	-89.66	-1,271.05	-8,543.86	5,478.89	5,179.34	299.54	18.291		
11,600.00	7,137.72	7,151.72	7,151.72	136.80	247.94	-89.67	-1,271.05	-8,543.86	5,384.00	5,083.14	300.86	17.896		
11,700.00	7,137.92	7,151.92	7,151.92	139.57	247.95	-89.68	-1,271.05	-8,543.86	5,289.30	4,987.06	302.24	17.501		
11,800.00	7,138.11	7,152.11	7,152.11	142.34	247.96	-89.68	-1,271.05	-8,543.86	5,194.80	4,891.12	303.68	17.106		
11,900.00	7,138.30	7,152.30	7,152.30	145.12	247.96	-89.69	-1,271.05	-8,543.86	5,100.51	4,795.31	305.19	16.712		
12,000.00	7,138.50	7,152.50	7,152.50	147.90	247.97	-89.70	-1,271.05	-8,543.86	5,006.44	4,699.65	306.78	16.319		
12,100.00	7,138.69	7,152.69	7,152.69	150.68	247.98	-89.70	-1,271.05	-8,543.86	4,912.60	4,604.16	308.44	15.927		
12,200.00	7,138.88	7,152.88	7,152.88	153.47	247.98	-89.71	-1,271.05	-8,543.86	4,819.01	4,508.83	310.18	15.536		
12,300.00	7,139.08	7,153.08	7,153.08	156.26	247.99	-89.71	-1,271.05	-8,543.86	4,725.69	4,413.68	312.01	15.146		
12,400.00	7,139.27	7,153.27	7,153.27	159.05	248.00	-89.72	-1,271.05	-8,543.86	4,632.64	4,318.72	313.92	14.758		
12,500.00	7,139.47	7,153.47	7,153.47	161.85	248.00	-89.73	-1,271.05	-8,543.86	4,539.89	4,223.97	315.92	14.370		
12,600.00	7,139.66	7,153.66	7,153.66	164.64	248.01	-89.73	-1,271.05	-8,543.86	4,447.45	4,129.44	318.02	13.985		
12,700.00	7,139.85	7,153.85	7,153.85	167.44	248.02	-89.74	-1,271.05	-8,543.86	4,355.35	4,035.14	320.21	13.601		
12,800.00	7,140.05	7,154.05	7,154.05	170.24	248.02	-89.75	-1,271.05	-8,543.86	4,263.60	3,941.09	322.52	13.220		
12,900.00	7,140.24	7,154.24	7,154.24	173.05	248.03	-89.75	-1,271.05	-8,543.86	4,172.24	3,847.31	324.93	12.840		
13,000.00	7,140.44	7,154.44	7,154.44	175.85	248.04	-89.76	-1,271.05	-8,543.86	4,081.27	3,753.81	327.46	12.463		
13,100.00	7,140.63	7,154.63	7,154.63	178.66	248.04	-89.77	-1,271.05	-8,543.86	3,990.74	3,660.63	330.12	12.089		
13,200.00	7,140.82	7,154.82	7,154.82	181.47	248.05	-89.77	-1,271.05	-8,543.86	3,900.68	3,567.78	332.90	11.717		
13,300.00	7,141.02	7,155.02	7,155.02	184.28	248.06	-89.78	-1,271.05	-8,543.86	3,811.11	3,475.29	335.82	11.349		
13,400.00	7,141.21	7,155.21	7,155.21	187.10	248.07	-89.79	-1,271.05	-8,543.86	3,722.06	3,383.18	338.88	10.983		
13,500.00	7,141.41	7,155.41	7,155.41	189.91	248.07	-89.79	-1,271.05	-8,543.86	3,633.59	3,291.50	342.10	10.622		
13,600.00	7,141.60	7,155.60	7,155.60	192.73	248.08	-89.80	-1,271.05	-8,543.86	3,545.74	3,200.27	345.47	10.264		
13,700.00	7,141.79	7,155.79	7,155.79	195.54	248.09	-89.81	-1,271.05	-8,543.86	3,458.54	3,109.53	349.01	9.910		
13,800.00	7,141.99	7,155.99	7,155.99	198.36	248.09	-89.81	-1,271.05	-8,543.86	3,372.05	3,019.32	352.73	9.560		
13,900.00	7,142.18	7,156.18	7,156.18	201.18	248.10	-89.82	-1,271.05	-8,543.86	3,286.33	2,929.70	356.63	9.215		
14,000.00	7,142.37	7,156.37	7,156.37	204.01	248.11	-89.82	-1,271.05	-8,543.86	3,201.44	2,840.70	360.73	8.875		
14,100.00	7,142.57	7,156.57	7,156.57	206.83	248.11	-89.83	-1,271.05	-8,543.86	3,117.44	2,752.40	365.04	8.540		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	7,156.76	7,156.76	209.65	248.12	-89.84	-1,271.05	-8,543.86	3,034.42	2,664.85	369.56	8.211		
14,300.00	7,142.96	7,156.96	7,156.96	212.48	248.13	-89.84	-1,271.05	-8,543.86	2,952.44	2,578.14	374.31	7.888		
14,400.00	7,143.15	7,157.15	7,157.15	215.30	248.13	-89.85	-1,271.05	-8,543.86	2,871.61	2,492.32	379.29	7.571		
14,500.00	7,143.34	7,157.34	7,157.34	218.13	248.14	-89.86	-1,271.05	-8,543.86	2,792.02	2,407.51	384.51	7.261		
14,600.00	7,143.54	7,157.54	7,157.54	220.96	248.15	-89.86	-1,271.05	-8,543.86	2,713.79	2,323.80	389.99	6.959		
14,700.00	7,143.73	7,157.73	7,157.73	223.79	248.15	-89.87	-1,271.05	-8,543.86	2,637.02	2,241.30	395.72	6.664		
14,800.00	7,143.93	7,157.93	7,157.93	226.62	248.16	-89.88	-1,271.05	-8,543.86	2,561.86	2,160.14	401.72	6.377		
14,838.32	7,144.00	7,158.00	7,158.00	227.70	248.16	-89.88	-1,271.05	-8,543.86	2,533.51	2,129.42	404.09	6.270		
14,900.00	7,144.12	7,158.12	7,158.12	229.45	248.17	-89.88	-1,271.05	-8,543.86	2,487.99	2,080.06	407.93	6.099		
15,000.00	7,144.32	7,158.32	7,158.32	232.26	248.17	-89.87	-1,271.05	-8,543.86	2,413.77	1,999.58	414.19	5.828		
15,027.81	7,144.37	7,158.37	7,158.37	233.04	248.18	-89.87	-1,271.05	-8,543.86	2,393.04	1,977.10	415.94	5.753		
15,100.00	7,144.51	7,158.51	7,158.51	235.07	248.18	-89.88	-1,271.05	-8,543.86	2,339.67	1,919.14	420.54	5.564		
15,200.00	7,144.71	7,158.71	7,158.71	237.87	248.19	-89.89	-1,271.05	-8,543.86	2,267.47	1,840.33	427.14	5.308		
15,300.00	7,144.91	7,158.91	7,158.91	240.68	248.19	-89.89	-1,271.05	-8,543.86	2,197.45	1,763.44	434.01	5.063		
15,400.00	7,145.10	7,159.10	7,159.10	243.48	248.20	-89.90	-1,271.05	-8,543.86	2,129.83	1,688.70	441.13	4.828		
15,500.00	7,145.30	7,159.30	7,159.30	246.29	248.21	-89.91	-1,271.05	-8,543.86	2,064.83	1,616.36	448.48	4.604		
15,600.00	7,145.50	7,159.50	7,159.50	249.10	248.21	-89.91	-1,271.05	-8,543.86	2,002.72	1,546.71	456.02	4.392		
15,700.00	7,145.69	7,159.69	7,159.69	251.91	248.22	-89.92	-1,271.05	-8,543.86	1,943.78	1,480.07	463.70	4.192		
15,800.00	7,145.89	7,159.89	7,159.89	254.71	248.23	-89.93	-1,271.05	-8,543.86	1,888.29	1,416.81	471.48	4.005		
15,900.00	7,146.09	7,160.09	7,160.09	257.52	248.24	-89.94	-1,271.05	-8,543.86	1,836.57	1,357.31	479.26	3.832		
16,000.00	7,146.28	7,160.28	7,160.28	260.34	248.24	-89.94	-1,271.05	-8,543.86	1,788.96	1,301.99	486.96	3.674		
16,100.00	7,146.48	7,160.48	7,160.48	263.15	248.25	-89.95	-1,271.05	-8,543.86	1,745.78	1,251.30	494.48	3.531		
16,200.00	7,146.68	7,160.68	7,160.68	265.96	248.26	-89.96	-1,271.05	-8,543.86	1,707.37	1,205.69	501.68	3.403		
16,300.00	7,146.87	7,160.87	7,160.87	268.77	248.26	-89.96	-1,271.05	-8,543.86	1,674.06	1,165.62	508.44	3.293		
16,400.00	7,147.07	7,161.07	7,161.07	271.58	248.27	-89.97	-1,271.05	-8,543.86	1,646.16	1,131.55	514.61	3.199		
16,500.00	7,147.27	7,161.27	7,161.27	274.40	248.28	-89.98	-1,271.05	-8,543.86	1,623.94	1,103.89	520.05	3.123		
16,600.00	7,147.46	7,161.46	7,161.46	277.21	248.28	-89.98	-1,271.05	-8,543.86	1,607.66	1,083.01	524.65	3.064		
16,700.00	7,147.66	7,161.66	7,161.66	280.03	248.29	-89.99	-1,271.05	-8,543.86	1,597.48	1,069.20	528.28	3.024		
16,800.00	7,147.86	7,161.86	7,161.86	282.84	248.30	-90.00	-1,271.05	-8,543.86	1,593.52	1,062.65	530.86	3.002		
16,813.17	7,147.88	7,161.88	7,161.88	283.22	248.30	-90.00	-1,271.05	-8,543.86	1,593.46	1,062.34	531.12	3.000 CC, ES		
16,900.00	7,148.05	7,162.05	7,162.05	285.66	248.30	-90.01	-1,271.05	-8,543.86	1,595.82	1,063.46	532.36	2.998 SF		
17,000.00	7,148.25	7,162.25	7,162.25	288.48	248.31	-90.01	-1,271.05	-8,543.86	1,604.38	1,071.61	532.76	3.011		
17,100.00	7,148.45	7,162.45	7,162.45	291.29	248.32	-90.02	-1,271.05	-8,543.86	1,619.07	1,086.97	532.10	3.043		
17,200.00	7,148.64	7,162.64	7,162.64	294.11	248.32	-90.03	-1,271.05	-8,543.86	1,639.74	1,109.31	530.43	3.091		
17,300.00	7,148.84	7,162.84	7,162.84	296.93	248.33	-90.03	-1,271.05	-8,543.86	1,666.17	1,138.32	527.85	3.157		
17,400.00	7,149.04	7,163.04	7,163.04	299.75	248.34	-90.04	-1,271.05	-8,543.86	1,698.08	1,173.61	524.47	3.238		
17,500.00	7,149.23	7,163.23	7,163.23	302.57	248.35	-90.05	-1,271.05	-8,543.86	1,735.18	1,214.76	520.42	3.334		
17,600.00	7,149.43	7,163.43	7,163.43	305.39	248.35	-90.06	-1,271.05	-8,543.86	1,777.14	1,261.31	515.82	3.445		
17,700.00	7,149.63	7,163.63	7,163.63	308.21	248.36	-90.06	-1,271.05	-8,543.86	1,823.62	1,312.82	510.80	3.570		
17,800.00	7,149.82	7,163.82	7,163.82	311.03	248.37	-90.07	-1,271.05	-8,543.86	1,874.28	1,368.82	505.46	3.708		
17,900.00	7,150.02	7,164.02	7,164.02	313.85	248.37	-90.08	-1,271.05	-8,543.86	1,928.81	1,428.89	499.92	3.858		
18,000.00	7,150.22	7,164.22	7,164.22	316.67	248.38	-90.08	-1,271.05	-8,543.86	1,986.87	1,492.62	494.26	4.020		
18,100.00	7,150.41	7,164.41	7,164.41	319.49	248.39	-90.09	-1,271.05	-8,543.86	2,048.18	1,559.63	488.55	4.192		
18,200.00	7,150.61	7,164.61	7,164.61	322.32	248.39	-90.10	-1,271.05	-8,543.86	2,112.44	1,629.58	482.86	4.375		
18,300.00	7,150.81	7,164.81	7,164.81	325.14	248.40	-90.11	-1,271.05	-8,543.86	2,179.39	1,702.16	477.23	4.567		
18,400.00	7,151.00	7,165.00	7,165.00	327.96	248.41	-90.11	-1,271.05	-8,543.86	2,248.81	1,777.10	471.71	4.767		
18,500.00	7,151.20	7,165.20	7,165.20	330.78	248.41	-90.12	-1,271.05	-8,543.86	2,320.45	1,854.13	466.32	4.976		
18,600.00	7,151.40	7,165.40	7,165.40	333.61	248.42	-90.13	-1,271.05	-8,543.86	2,394.13	1,933.04	461.09	5.192		
18,700.00	7,151.59	7,165.59	7,165.59	336.43	248.43	-90.13	-1,271.05	-8,543.86	2,469.66	2,013.64	456.02	5.416		
18,800.00	7,151.79	7,165.79	7,165.79	339.26	248.43	-90.14	-1,271.05	-8,543.86	2,546.88	2,095.75	451.13	5.646		
18,906.26	7,152.00	7,166.00	7,166.00	342.26	248.44	-90.15	-1,271.05	-8,543.86	2,630.61	2,184.48	446.13	5.896		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-80.38	1,428.79	-8,427.52	8,547.78					
100.00	100.00	126.00	126.00	3.28	4.22	-80.38	1,428.79	-8,427.52	8,547.78	8,540.28	7.50	1,139.185		
200.00	200.00	226.00	226.00	3.34	6.96	-80.38	1,428.79	-8,427.52	8,547.78	8,537.48	10.30	829.730		
300.00	299.98	325.98	325.98	3.44	10.18	-160.37	1,428.79	-8,427.52	8,549.43	8,535.81	13.62	627.680		
400.00	399.84	425.84	425.84	3.60	13.52	-160.35	1,428.79	-8,427.52	8,554.36	8,537.23	17.13	499.522		
500.00	499.45	525.45	525.45	3.81	16.92	-160.31	1,428.79	-8,427.52	8,562.57	8,541.84	20.72	413.163		
600.00	598.70	624.70	624.70	4.06	20.33	-160.26	1,428.79	-8,427.52	8,574.05	8,549.67	24.38	351.685		
700.00	697.47	723.47	723.47	4.34	23.74	-160.20	1,428.79	-8,427.52	8,588.79	8,560.72	28.07	305.984		
785.50	781.43	807.43	807.43	4.61	26.64	-160.13	1,428.79	-8,427.52	8,603.97	8,572.73	31.24	275.413		
800.00	795.63	821.63	821.63	4.66	27.14	-160.14	1,428.79	-8,427.52	8,606.74	8,574.96	31.78	270.806		
900.00	893.55	919.55	919.55	5.02	30.53	-160.18	1,428.79	-8,427.52	8,625.88	8,590.38	35.50	242.960		
1,000.00	991.47	1,017.47	1,017.47	5.40	33.93	-160.23	1,428.79	-8,427.52	8,645.02	8,605.77	39.25	220.255		
1,100.00	1,089.39	1,115.39	1,115.39	5.80	37.34	-160.27	1,428.79	-8,427.52	8,664.17	8,621.15	43.02	201.413		
1,200.00	1,187.31	1,213.31	1,213.31	6.21	40.74	-160.32	1,428.79	-8,427.52	8,683.32	8,636.52	46.80	185.539		
1,300.00	1,285.22	1,311.22	1,311.22	6.64	44.15	-160.36	1,428.79	-8,427.52	8,702.48	8,651.88	50.60	171.995		
1,400.00	1,383.14	1,409.14	1,409.14	7.08	47.56	-160.41	1,428.79	-8,427.52	8,721.64	8,667.23	54.40	160.310		
1,500.00	1,481.06	1,507.06	1,507.06	7.52	50.97	-160.45	1,428.79	-8,427.52	8,740.81	8,682.59	58.22	150.129		
1,600.00	1,578.98	1,604.98	1,604.98	7.98	54.38	-160.50	1,428.79	-8,427.52	8,759.98	8,697.93	62.05	141.184		
1,700.00	1,676.90	1,702.90	1,702.90	8.44	57.80	-160.54	1,428.79	-8,427.52	8,779.16	8,713.28	65.88	133.265		
1,800.00	1,774.82	1,800.82	1,800.82	8.90	61.21	-160.58	1,428.79	-8,427.52	8,798.34	8,728.63	69.71	126.206		
1,900.00	1,872.74	1,901.26	1,898.74	9.37	64.71	-160.63	1,428.79	-8,427.52	8,817.53	8,743.88	73.64	119.733		
2,000.00	1,970.66	2,003.34	1,996.66	9.84	68.27	-160.67	1,428.79	-8,427.52	8,836.72	8,759.09	77.63	113.826		
2,100.00	2,068.57	2,105.43	2,094.57	10.32	71.83	-160.71	1,428.79	-8,427.52	8,855.92	8,774.29	81.63	108.492		
2,200.00	2,166.49	2,207.51	2,192.49	10.80	75.39	-160.76	1,428.79	-8,427.52	8,875.12	8,789.50	85.62	103.652		
2,300.00	2,264.41	2,309.59	2,290.41	11.28	78.95	-160.80	1,428.79	-8,427.52	8,894.33	8,804.70	89.62	99.241		
2,400.00	2,362.33	2,388.33	2,388.33	11.76	81.70	-160.84	1,428.79	-8,427.52	8,913.54	8,820.73	92.81	96.039		
2,500.00	2,460.25	2,486.25	2,486.25	12.24	85.11	-160.89	1,428.79	-8,427.52	8,932.76	8,836.09	96.67	92.404		
2,600.00	2,558.17	2,584.17	2,584.17	12.73	88.53	-160.93	1,428.79	-8,427.52	8,951.98	8,851.45	100.53	89.047		
2,700.00	2,656.09	2,682.09	2,682.09	13.22	91.94	-160.97	1,428.79	-8,427.52	8,971.21	8,866.81	104.39	85.937		
2,800.00	2,754.01	2,780.01	2,780.01	13.71	95.36	-161.01	1,428.79	-8,427.52	8,990.44	8,882.18	108.26	83.047		
2,900.00	2,851.92	2,877.92	2,877.92	14.20	98.78	-161.05	1,428.79	-8,427.52	9,009.67	8,897.55	112.12	80.356		
3,000.00	2,949.84	2,975.84	2,975.84	14.69	102.19	-161.10	1,428.79	-8,427.52	9,028.91	8,912.93	115.99	77.843		
3,100.00	3,047.76	3,073.76	3,073.76	15.18	105.61	-161.14	1,428.79	-8,427.52	9,048.16	8,928.30	119.86	75.492		
3,200.00	3,145.68	3,171.68	3,171.68	15.67	109.03	-161.18	1,428.79	-8,427.52	9,067.41	8,943.68	123.72	73.288		
3,300.00	3,243.60	3,269.60	3,269.60	16.17	112.44	-161.22	1,428.79	-8,427.52	9,086.66	8,959.07	127.59	71.216		
3,400.00	3,341.52	3,367.52	3,367.52	16.66	115.86	-161.26	1,428.79	-8,427.52	9,105.92	8,974.46	131.46	69.266		
3,500.00	3,439.44	3,465.44	3,465.44	17.16	119.28	-161.30	1,428.79	-8,427.52	9,125.18	8,989.85	135.33	67.428		
3,600.00	3,537.36	3,563.36	3,563.36	17.65	122.70	-161.34	1,428.79	-8,427.52	9,144.45	9,005.25	139.20	65.691		
3,700.00	3,635.27	3,661.27	3,661.27	18.15	126.11	-161.38	1,428.79	-8,427.52	9,163.72	9,020.65	143.08	64.048		
3,800.00	3,733.19	3,759.19	3,759.19	18.65	129.53	-161.42	1,428.79	-8,427.52	9,183.00	9,036.05	146.95	62.491		
3,900.00	3,831.11	3,857.11	3,857.11	19.14	132.95	-161.46	1,428.79	-8,427.52	9,202.28	9,051.46	150.82	61.014		
4,000.00	3,929.03	3,955.03	3,955.03	19.64	136.36	-161.50	1,428.79	-8,427.52	9,221.57	9,066.87	154.70	59.611		
4,100.00	4,026.95	4,052.95	4,052.95	20.14	139.78	-161.54	1,428.79	-8,427.52	9,240.86	9,082.29	158.57	58.277		
4,200.00	4,124.87	4,150.87	4,150.87	20.64	143.20	-161.58	1,428.79	-8,427.52	9,260.15	9,097.71	162.44	57.005		
4,300.00	4,222.79	4,248.79	4,248.79	21.14	146.62	-161.62	1,428.79	-8,427.52	9,279.45	9,113.13	166.32	55.793		
4,400.00	4,320.71	4,346.71	4,346.71	21.64	150.03	-161.66	1,428.79	-8,427.52	9,298.75	9,128.56	170.19	54.636		
4,500.00	4,418.62	4,444.62	4,444.62	22.14	153.45	-161.70	1,428.79	-8,427.52	9,318.06	9,143.99	174.07	53.531		
4,600.00	4,516.54	4,542.54	4,542.54	22.64	156.87	-161.74	1,428.79	-8,427.52	9,337.37	9,159.42	177.94	52.474		
4,700.00	4,614.46	4,640.46	4,640.46	23.14	160.29	-161.78	1,428.79	-8,427.52	9,356.68	9,174.86	181.82	51.461		
4,800.00	4,712.38	4,738.38	4,738.38	23.64	163.70	-161.82	1,428.79	-8,427.52	9,376.00	9,190.31	185.70	50.491		
4,900.00	4,810.30	4,836.30	4,836.30	24.14	167.12	-161.86	1,428.79	-8,427.52	9,395.33	9,205.75	189.57	49.560		
5,000.00	4,908.22	4,934.22	4,934.22	24.64	170.54	-161.90	1,428.79	-8,427.52	9,414.65	9,221.20	193.45	48.667		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,032.14	5,032.14	25.14	173.96	-161.93	1,428.79	-8,427.52	9,433.99	9,236.66	197.33	47.809		
5,200.00	5,104.06	5,130.06	5,130.06	25.64	177.38	-161.97	1,428.79	-8,427.52	9,453.32	9,252.12	201.20	46.984		
5,300.00	5,201.97	5,227.97	5,227.97	26.14	180.79	-162.01	1,428.79	-8,427.52	9,472.66	9,267.58	205.08	46.190		
5,400.00	5,299.89	5,325.89	5,325.89	26.64	184.21	-162.05	1,428.79	-8,427.52	9,492.00	9,283.04	208.96	45.425		
5,500.00	5,397.81	5,423.81	5,423.81	27.15	187.63	-162.08	1,428.79	-8,427.52	9,511.35	9,298.51	212.84	44.688		
5,600.00	5,495.73	5,521.73	5,521.73	27.65	191.05	-162.12	1,428.79	-8,427.52	9,530.70	9,313.99	216.72	43.978		
5,700.00	5,593.65	5,619.65	5,619.65	28.15	194.46	-162.16	1,428.79	-8,427.52	9,550.06	9,329.46	220.59	43.293		
5,800.00	5,691.57	5,717.57	5,717.57	28.65	197.88	-162.20	1,428.79	-8,427.52	9,569.42	9,344.94	224.47	42.631		
5,900.00	5,789.49	5,815.49	5,815.49	29.15	201.30	-162.23	1,428.79	-8,427.52	9,588.78	9,360.43	228.35	41.991		
6,000.00	5,887.41	5,913.41	5,913.41	29.66	204.72	-162.27	1,428.79	-8,427.52	9,608.15	9,375.92	232.23	41.374		
6,100.00	5,985.32	6,011.32	6,011.32	30.16	208.14	-162.31	1,428.79	-8,427.52	9,627.52	9,391.41	236.11	40.776		
6,200.00	6,083.24	6,109.24	6,109.24	30.66	211.55	-162.34	1,428.79	-8,427.52	9,646.89	9,406.91	239.99	40.198		
6,300.00	6,181.16	6,207.16	6,207.16	31.16	214.97	-162.38	1,428.79	-8,427.52	9,666.27	9,422.40	243.87	39.638		
6,400.00	6,279.08	6,305.08	6,305.08	31.67	218.39	-162.42	1,428.79	-8,427.52	9,685.65	9,437.91	247.75	39.095		
6,490.03	6,367.24	6,406.76	6,393.24	32.12	221.94	-162.45	1,428.79	-8,427.52	9,703.11	9,451.40	251.71	38.549		
6,500.00	6,377.01	6,403.01	6,403.01	32.17	221.81	-161.54	1,428.79	-8,427.52	9,704.96	9,453.34	251.62	38.569		
6,550.00	6,426.43	6,452.43	6,452.43	32.40	223.53	-153.21	1,428.79	-8,427.52	9,711.96	9,458.39	253.57	38.301		
6,600.00	6,476.27	6,502.27	6,502.27	32.61	225.27	-118.59	1,428.79	-8,427.52	9,715.08	9,459.56	255.52	38.021		
6,650.00	6,526.21	6,552.21	6,552.21	32.80	227.02	-32.36	1,428.79	-8,427.52	9,714.30	9,456.84	257.45	37.732		
6,700.00	6,575.96	6,601.96	6,601.96	32.98	228.75	-11.28	1,428.79	-8,427.52	9,709.62	9,450.26	259.36	37.437		
6,750.00	6,625.19	6,651.19	6,651.19	33.16	230.47	-4.92	1,428.79	-8,427.52	9,701.07	9,439.84	261.23	37.136		
6,800.00	6,673.62	6,700.38	6,699.62	33.35	232.19	-1.88	1,428.79	-8,427.52	9,688.70	9,425.62	263.08	36.828		
6,850.00	6,720.94	6,746.94	6,746.94	33.55	233.81	-0.04	1,428.79	-8,427.52	9,672.59	9,407.77	264.82	36.525		
6,900.00	6,766.86	6,807.14	6,792.86	33.76	235.91	1.25	1,428.79	-8,427.52	9,652.85	9,385.82	267.03	36.149		
6,950.00	6,811.10	6,837.10	6,837.10	33.98	236.96	2.28	1,428.79	-8,427.52	9,629.58	9,361.42	268.16	35.910		
7,000.00	6,853.38	6,879.38	6,879.38	34.23	238.44	3.17	1,428.79	-8,427.52	9,602.94	9,333.24	269.70	35.606		
7,050.00	6,893.45	6,919.45	6,919.45	34.50	239.84	4.03	1,428.79	-8,427.52	9,573.09	9,301.93	271.16	35.305		
7,100.00	6,931.05	6,957.05	6,957.05	34.79	241.15	4.90	1,428.79	-8,427.52	9,540.21	9,267.70	272.51	35.009		
7,150.00	6,965.96	7,008.04	6,991.96	35.12	242.93	5.86	1,428.79	-8,427.52	9,504.50	9,230.19	274.32	34.648		
7,200.00	6,997.96	7,023.96	7,023.96	35.47	243.48	6.96	1,428.79	-8,427.52	9,466.20	9,191.31	274.89	34.436		
7,250.00	7,026.85	7,052.85	7,052.85	35.86	244.49	8.29	1,428.79	-8,427.52	9,425.52	9,149.62	275.91	34.162		
7,300.00	7,052.45	7,078.45	7,078.45	36.29	245.39	9.98	1,428.79	-8,427.52	9,382.73	9,105.93	276.80	33.897		
7,350.00	7,074.61	7,100.61	7,100.61	36.76	246.16	12.25	1,428.79	-8,427.52	9,338.09	9,060.52	277.57	33.642		
7,400.00	7,093.19	7,119.19	7,119.19	37.27	246.81	15.47	1,428.79	-8,427.52	9,291.88	9,013.66	278.22	33.398		
7,450.00	7,108.07	7,134.07	7,134.07	37.81	247.33	20.39	1,428.79	-8,427.52	9,244.37	8,965.64	278.73	33.166		
7,500.00	7,119.17	7,145.17	7,145.17	38.39	247.71	28.71	1,428.79	-8,427.52	9,195.86	8,916.75	279.11	32.947		
7,550.00	7,126.41	7,152.41	7,152.41	38.99	247.97	44.56	1,428.79	-8,427.52	9,146.66	8,867.30	279.36	32.741		
7,600.00	7,129.75	7,155.75	7,155.75	39.62	248.08	75.64	1,428.79	-8,427.52	9,097.07	8,817.58	279.49	32.549		
7,616.41	7,130.00	7,156.00	7,156.00	39.83	248.09	88.98	1,428.79	-8,427.52	9,080.76	8,801.26	279.50	32.489		
7,700.00	7,130.16	7,156.16	7,156.16	40.97	248.10	88.99	1,428.79	-8,427.52	8,997.67	8,718.14	279.53	32.189		
7,800.00	7,130.35	7,156.35	7,156.35	42.46	248.10	89.01	1,428.79	-8,427.52	8,898.28	8,618.71	279.56	31.829		
7,900.00	7,130.55	7,156.55	7,156.55	44.09	248.11	89.02	1,428.79	-8,427.52	8,798.90	8,519.30	279.60	31.469		
8,000.00	7,130.74	7,156.74	7,156.74	45.84	248.12	89.03	1,428.79	-8,427.52	8,699.54	8,419.89	279.65	31.109		
8,100.00	7,130.94	7,156.94	7,156.94	47.70	248.13	89.04	1,428.79	-8,427.52	8,600.19	8,320.49	279.71	30.747		
8,200.00	7,131.13	7,157.13	7,157.13	49.65	248.13	89.05	1,428.79	-8,427.52	8,500.86	8,221.10	279.77	30.386		
8,300.00	7,131.32	7,157.32	7,157.32	51.70	248.14	89.06	1,428.79	-8,427.52	8,401.55	8,121.71	279.83	30.023		
8,400.00	7,131.52	7,157.52	7,157.52	53.81	248.15	89.07	1,428.79	-8,427.52	8,302.25	8,022.34	279.91	29.661		
8,500.00	7,131.71	7,157.71	7,157.71	55.99	248.15	89.08	1,428.79	-8,427.52	8,202.97	7,922.98	279.99	29.297		
8,600.00	7,131.90	7,157.90	7,157.90	58.24	248.16	89.10	1,428.79	-8,427.52	8,103.70	7,823.62	280.08	28.933		
8,700.00	7,132.10	7,158.10	7,158.10	60.53	248.17	89.11	1,428.79	-8,427.52	8,004.46	7,724.28	280.18	28.569		
8,800.00	7,132.29	7,158.29	7,158.29	62.87	248.17	89.12	1,428.79	-8,427.52	7,905.23	7,624.95	280.29	28.204		
8,900.00	7,132.49	7,158.49	7,158.49	65.25	248.18	89.13	1,428.79	-8,427.52	7,806.03	7,525.62	280.40	27.839		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,158.68	7,158.68	67.68	248.19	89.14	1,428.79	-8,427.52	7,706.84	7,426.31	280.53	27.473		
9,100.00	7,132.87	7,158.87	7,158.87	70.13	248.19	89.15	1,428.79	-8,427.52	7,607.68	7,327.01	280.66	27.106		
9,200.00	7,133.07	7,159.07	7,159.07	72.61	248.20	89.16	1,428.79	-8,427.52	7,508.53	7,227.72	280.81	26.739		
9,300.00	7,133.26	7,159.26	7,159.26	75.13	248.21	89.17	1,428.79	-8,427.52	7,409.41	7,128.45	280.97	26.371		
9,400.00	7,133.46	7,159.46	7,159.46	77.66	248.21	89.19	1,428.79	-8,427.52	7,310.32	7,029.18	281.14	26.003		
9,500.00	7,133.65	7,159.65	7,159.65	80.22	248.22	89.20	1,428.79	-8,427.52	7,211.25	6,929.93	281.32	25.634		
9,600.00	7,133.84	7,159.84	7,159.84	82.80	248.23	89.21	1,428.79	-8,427.52	7,112.20	6,830.69	281.51	25.264		
9,700.00	7,134.04	7,160.04	7,160.04	85.40	248.23	89.22	1,428.79	-8,427.52	7,013.18	6,731.46	281.72	24.894		
9,800.00	7,134.23	7,160.23	7,160.23	88.01	248.24	89.23	1,428.79	-8,427.52	6,914.19	6,632.25	281.94	24.523		
9,900.00	7,134.43	7,160.43	7,160.43	90.64	248.25	89.24	1,428.79	-8,427.52	6,815.23	6,533.05	282.18	24.152		
10,000.00	7,134.62	7,160.62	7,160.62	93.28	248.25	89.25	1,428.79	-8,427.52	6,716.31	6,433.87	282.44	23.780		
10,100.00	7,134.81	7,160.81	7,160.81	95.94	248.26	89.26	1,428.79	-8,427.52	6,617.41	6,334.70	282.71	23.407		
10,200.00	7,135.01	7,161.01	7,161.01	98.61	248.27	89.28	1,428.79	-8,427.52	6,518.55	6,235.55	282.99	23.034		
10,300.00	7,135.20	7,161.20	7,161.20	101.28	248.27	89.29	1,428.79	-8,427.52	6,419.72	6,136.42	283.30	22.660		
10,400.00	7,135.39	7,161.39	7,161.39	103.97	248.28	89.30	1,428.79	-8,427.52	6,320.93	6,037.30	283.63	22.286		
10,500.00	7,135.59	7,161.59	7,161.59	106.67	248.29	89.31	1,428.79	-8,427.52	6,222.17	5,938.20	283.97	21.911		
10,600.00	7,135.78	7,161.78	7,161.78	109.38	248.29	89.32	1,428.79	-8,427.52	6,123.46	5,839.12	284.34	21.535		
10,700.00	7,135.98	7,161.98	7,161.98	112.09	248.30	89.33	1,428.79	-8,427.52	6,024.79	5,740.06	284.73	21.159		
10,800.00	7,136.17	7,162.17	7,162.17	114.81	248.31	89.34	1,428.79	-8,427.52	5,926.17	5,641.02	285.15	20.783		
10,900.00	7,136.36	7,162.36	7,162.36	117.54	248.31	89.35	1,428.79	-8,427.52	5,827.59	5,542.00	285.59	20.405		
11,000.00	7,136.56	7,162.56	7,162.56	120.28	248.32	89.37	1,428.79	-8,427.52	5,729.06	5,443.00	286.06	20.027		
11,100.00	7,136.75	7,162.75	7,162.75	123.02	248.33	89.38	1,428.79	-8,427.52	5,630.58	5,344.02	286.56	19.649		
11,200.00	7,136.95	7,162.95	7,162.95	125.76	248.34	89.39	1,428.79	-8,427.52	5,532.16	5,245.07	287.09	19.270		
11,300.00	7,137.14	7,163.14	7,163.14	128.52	248.34	89.40	1,428.79	-8,427.52	5,433.80	5,146.15	287.65	18.890		
11,400.00	7,137.33	7,163.33	7,163.33	131.27	248.35	89.41	1,428.79	-8,427.52	5,335.49	5,047.25	288.24	18.511		
11,500.00	7,137.53	7,163.53	7,163.53	134.03	248.36	89.42	1,428.79	-8,427.52	5,237.25	4,948.38	288.87	18.130		
11,600.00	7,137.72	7,163.72	7,163.72	136.80	248.36	89.43	1,428.79	-8,427.52	5,139.08	4,849.54	289.54	17.749		
11,700.00	7,137.92	7,163.92	7,163.92	139.57	248.37	89.44	1,428.79	-8,427.52	5,040.98	4,750.74	290.25	17.368		
11,800.00	7,138.11	7,164.11	7,164.11	142.34	248.38	89.46	1,428.79	-8,427.52	4,942.96	4,651.96	291.00	16.986		
11,900.00	7,138.30	7,164.30	7,164.30	145.12	248.38	89.47	1,428.79	-8,427.52	4,845.01	4,553.22	291.79	16.604		
12,000.00	7,138.50	7,164.50	7,164.50	147.90	248.39	89.48	1,428.79	-8,427.52	4,747.16	4,454.52	292.63	16.222		
12,100.00	7,138.69	7,164.69	7,164.69	150.68	248.40	89.49	1,428.79	-8,427.52	4,649.39	4,355.86	293.53	15.840		
12,200.00	7,138.88	7,164.88	7,164.88	153.47	248.40	89.50	1,428.79	-8,427.52	4,551.72	4,257.25	294.48	15.457		
12,300.00	7,139.08	7,165.08	7,165.08	156.26	248.41	89.51	1,428.79	-8,427.52	4,454.16	4,158.67	295.48	15.074		
12,400.00	7,139.27	7,165.27	7,165.27	159.05	248.42	89.52	1,428.79	-8,427.52	4,356.70	4,060.15	296.55	14.691		
12,500.00	7,139.47	7,165.47	7,165.47	161.85	248.42	89.53	1,428.79	-8,427.52	4,259.36	3,961.68	297.68	14.309		
12,600.00	7,139.66	7,165.66	7,165.66	164.64	248.43	89.55	1,428.79	-8,427.52	4,162.15	3,863.27	298.88	13.926		
12,700.00	7,139.85	7,165.85	7,165.85	167.44	248.44	89.56	1,428.79	-8,427.52	4,065.08	3,764.92	300.16	13.543		
12,800.00	7,140.05	7,166.05	7,166.05	170.24	248.44	89.57	1,428.79	-8,427.52	3,968.15	3,666.63	301.51	13.161		
12,900.00	7,140.24	7,166.24	7,166.24	173.05	248.45	89.58	1,428.79	-8,427.52	3,871.37	3,568.42	302.96	12.779		
13,000.00	7,140.44	7,166.44	7,166.44	175.85	248.46	89.59	1,428.79	-8,427.52	3,774.76	3,470.28	304.49	12.397		
13,100.00	7,140.63	7,166.63	7,166.63	178.66	248.46	89.60	1,428.79	-8,427.52	3,678.34	3,372.22	306.12	12.016		
13,200.00	7,140.82	7,166.82	7,166.82	181.47	248.47	89.61	1,428.79	-8,427.52	3,582.11	3,274.26	307.85	11.636		
13,300.00	7,141.02	7,167.02	7,167.02	184.28	248.48	89.62	1,428.79	-8,427.52	3,486.09	3,176.39	309.70	11.256		
13,400.00	7,141.21	7,167.21	7,167.21	187.10	248.48	89.64	1,428.79	-8,427.52	3,390.31	3,078.63	311.67	10.878		
13,500.00	7,141.41	7,167.41	7,167.41	189.91	248.49	89.65	1,428.79	-8,427.52	3,294.77	2,981.00	313.78	10.500		
13,600.00	7,141.60	7,167.60	7,167.60	192.73	248.50	89.66	1,428.79	-8,427.52	3,199.51	2,883.49	316.02	10.124		
13,700.00	7,141.79	7,167.79	7,167.79	195.54	248.50	89.67	1,428.79	-8,427.52	3,104.54	2,786.12	318.42	9.750		
13,800.00	7,141.99	7,167.99	7,167.99	198.36	248.51	89.68	1,428.79	-8,427.52	3,009.91	2,688.92	320.99	9.377		
13,900.00	7,142.18	7,168.18	7,168.18	201.18	248.52	89.69	1,428.79	-8,427.52	2,915.62	2,591.89	323.74	9.006		
14,000.00	7,142.37	7,168.37	7,168.37	204.01	248.52	89.70	1,428.79	-8,427.52	2,821.74	2,495.06	326.68	8.638		
14,100.00	7,142.57	7,168.57	7,168.57	206.83	248.53	89.71	1,428.79	-8,427.52	2,728.28	2,398.44	329.84	8.272		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	7,168.76	7,168.76	209.65	248.54	89.73	1,428.79	-8,427.52	2,635.31	2,302.08	333.23	7.908		
14,300.00	7,142.96	7,168.96	7,168.96	212.48	248.54	89.74	1,428.79	-8,427.52	2,542.87	2,205.99	336.88	7.548		
14,400.00	7,143.15	7,169.15	7,169.15	215.30	248.55	89.75	1,428.79	-8,427.52	2,451.03	2,110.22	340.81	7.192		
14,500.00	7,143.34	7,169.34	7,169.34	218.13	248.56	89.76	1,428.79	-8,427.52	2,359.85	2,014.80	345.05	6.839		
14,600.00	7,143.54	7,169.54	7,169.54	220.96	248.57	89.77	1,428.79	-8,427.52	2,269.41	1,919.79	349.62	6.491		
14,700.00	7,143.73	7,169.73	7,169.73	223.79	248.57	89.78	1,428.79	-8,427.52	2,179.80	1,825.24	354.56	6.148		
14,800.00	7,143.93	7,169.93	7,169.93	226.62	248.58	89.79	1,428.79	-8,427.52	2,091.14	1,731.24	359.90	5.810		
14,838.32	7,144.00	7,170.00	7,170.00	227.70	248.58	89.80	1,428.79	-8,427.52	2,057.44	1,695.38	362.06	5.683		
14,900.00	7,144.12	7,170.12	7,170.12	229.45	248.59	89.81	1,428.79	-8,427.52	2,003.88	1,638.13	365.75	5.479		
15,000.00	7,144.32	7,170.32	7,170.32	232.26	248.59	89.84	1,428.79	-8,427.52	1,919.60	1,547.17	372.42	5.154		
15,027.81	7,144.37	7,170.37	7,170.37	233.04	248.59	89.84	1,428.79	-8,427.52	1,896.78	1,522.34	374.44	5.066		
15,100.00	7,144.51	7,170.51	7,170.51	235.07	248.60	89.85	1,428.79	-8,427.52	1,838.40	1,458.50	379.90	4.839		
15,200.00	7,144.71	7,170.71	7,170.71	237.87	248.61	89.86	1,428.79	-8,427.52	1,759.22	1,371.25	387.97	4.534		
15,300.00	7,144.91	7,170.91	7,170.91	240.68	248.61	89.87	1,428.79	-8,427.52	1,682.26	1,285.62	396.64	4.241		
15,400.00	7,145.10	7,171.10	7,171.10	243.48	248.62	89.88	1,428.79	-8,427.52	1,607.84	1,201.90	405.94	3.961		
15,500.00	7,145.30	7,171.30	7,171.30	246.29	248.63	89.89	1,428.79	-8,427.52	1,536.33	1,120.46	415.87	3.694		
15,600.00	7,145.50	7,171.50	7,171.50	249.10	248.63	89.90	1,428.79	-8,427.52	1,468.14	1,041.74	426.40	3.443		
15,700.00	7,145.69	7,171.69	7,171.69	251.91	248.64	89.91	1,428.79	-8,427.52	1,403.78	966.29	437.48	3.209		
15,800.00	7,145.89	7,171.89	7,171.89	254.71	248.65	89.92	1,428.79	-8,427.52	1,343.78	894.76	449.02	2.993		
15,900.00	7,146.09	7,172.09	7,172.09	257.52	248.65	89.93	1,428.79	-8,427.52	1,288.75	827.90	460.86	2.796		
16,000.00	7,146.28	7,172.28	7,172.28	260.34	248.66	89.94	1,428.79	-8,427.52	1,239.37	766.60	472.77	2.622		
16,100.00	7,146.48	7,172.48	7,172.48	263.15	248.67	89.95	1,428.79	-8,427.52	1,196.32	711.87	484.45	2.469		
16,200.00	7,146.68	7,172.68	7,172.68	265.96	248.67	89.96	1,428.79	-8,427.52	1,160.31	664.77	495.55	2.341		
16,300.00	7,146.87	7,172.87	7,172.87	268.77	248.68	89.97	1,428.79	-8,427.52	1,132.02	626.40	505.63	2.239		
16,400.00	7,147.07	7,173.07	7,173.07	271.58	248.69	89.98	1,428.79	-8,427.52	1,112.04	597.77	514.27	2.162		
16,500.00	7,147.27	7,173.27	7,173.27	274.40	248.70	89.99	1,428.79	-8,427.52	1,100.80	579.72	521.09	2.113		
16,574.26	7,147.41	7,173.41	7,173.41	276.49	248.70	90.00	1,428.79	-8,427.52	1,098.30	573.51	524.79	2.093 CC		
16,600.00	7,147.46	7,173.46	7,173.46	277.21	248.70	90.00	1,428.79	-8,427.52	1,098.60	572.81	525.79	2.089 ES, SF		
16,700.00	7,147.66	7,173.66	7,173.66	280.03	248.71	90.01	1,428.79	-8,427.52	1,105.47	577.24	528.23	2.093		
16,800.00	7,147.86	7,173.86	7,173.86	282.84	248.72	90.02	1,428.79	-8,427.52	1,121.25	592.81	528.44	2.122		
16,900.00	7,148.05	7,174.05	7,174.05	285.66	248.72	90.03	1,428.79	-8,427.52	1,145.58	618.99	526.59	2.175		
17,000.00	7,148.25	7,174.25	7,174.25	288.48	248.73	90.04	1,428.79	-8,427.52	1,177.92	654.95	522.98	2.252		
17,100.00	7,148.45	7,174.45	7,174.45	291.29	248.74	90.05	1,428.79	-8,427.52	1,217.64	699.70	517.94	2.351		
17,200.00	7,148.64	7,174.64	7,174.64	294.11	248.74	90.06	1,428.79	-8,427.52	1,264.04	752.18	511.86	2.469		
17,300.00	7,148.84	7,174.84	7,174.84	296.93	248.75	90.07	1,428.79	-8,427.52	1,316.41	811.35	505.07	2.606		
17,400.00	7,149.04	7,175.04	7,175.04	299.75	248.76	90.08	1,428.79	-8,427.52	1,374.08	876.22	497.86	2.760		
17,500.00	7,149.23	7,175.23	7,175.23	302.57	248.76	90.10	1,428.79	-8,427.52	1,436.40	945.93	490.47	2.929		
17,600.00	7,149.43	7,175.43	7,175.43	305.39	248.77	90.11	1,428.79	-8,427.52	1,502.79	1,019.72	483.08	3.111		
17,700.00	7,149.63	7,175.63	7,175.63	308.21	248.78	90.12	1,428.79	-8,427.52	1,572.75	1,096.93	475.82	3.305		
17,800.00	7,149.82	7,175.82	7,175.82	311.03	248.78	90.13	1,428.79	-8,427.52	1,645.81	1,177.02	468.78	3.511		
17,900.00	7,150.02	7,176.02	7,176.02	313.85	248.79	90.14	1,428.79	-8,427.52	1,721.58	1,259.55	462.03	3.726		
18,000.00	7,150.22	7,176.22	7,176.22	316.67	248.80	90.15	1,428.79	-8,427.52	1,799.71	1,344.13	455.58	3.950		
18,100.00	7,150.41	7,176.41	7,176.41	319.49	248.81	90.16	1,428.79	-8,427.52	1,879.92	1,430.45	449.47	4.182		
18,200.00	7,150.61	7,176.61	7,176.61	322.32	248.81	90.17	1,428.79	-8,427.52	1,961.95	1,518.25	443.70	4.422		
18,300.00	7,150.81	7,176.81	7,176.81	325.14	248.82	90.18	1,428.79	-8,427.52	2,045.58	1,607.33	438.26	4.668		
18,400.00	7,151.00	7,177.00	7,177.00	327.96	248.83	90.19	1,428.79	-8,427.52	2,130.62	1,697.49	433.13	4.919		
18,500.00	7,151.20	7,177.20	7,177.20	330.78	248.83	90.20	1,428.79	-8,427.52	2,216.91	1,788.60	428.31	5.176		
18,600.00	7,151.40	7,177.40	7,177.40	333.61	248.84	90.21	1,428.79	-8,427.52	2,304.31	1,880.53	423.78	5.438		
18,700.00	7,151.59	7,177.59	7,177.59	336.43	248.85	90.22	1,428.79	-8,427.52	2,392.69	1,973.17	419.52	5.703		
18,800.00	7,151.79	7,177.79	7,177.79	339.26	248.85	90.23	1,428.79	-8,427.52	2,481.96	2,066.44	415.52	5.973		
18,906.26	7,152.00	7,178.00	7,178.00	342.26	248.86	90.24	1,428.79	-8,427.52	2,577.68	2,166.16	411.53	6.264		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-167.46	-2,786.20	-619.67	2,854.30					
100.00	100.00	83.18	83.18	3.28	3.28	-167.46	-2,786.32	-619.68	2,854.41	2,847.84	6.57	434.488		
200.00	200.00	188.28	188.28	3.34	3.33	-167.46	-2,786.58	-619.59	2,854.63	2,847.96	6.67	427.974		
300.00	299.98	282.12	282.12	3.44	3.43	112.55	-2,786.78	-619.43	2,855.48	2,848.61	6.87	415.621		
400.00	399.84	381.37	381.37	3.60	3.57	112.60	-2,787.12	-619.52	2,857.84	2,850.66	7.17	398.400		
500.00	499.45	483.72	483.72	3.81	3.77	112.70	-2,787.38	-619.70	2,861.49	2,853.92	7.57	377.850		
600.00	598.70	581.95	581.94	4.06	3.99	112.83	-2,787.60	-619.79	2,866.48	2,858.44	8.05	356.304		
700.00	697.47	692.52	692.52	4.34	4.28	113.03	-2,787.74	-619.71	2,872.75	2,864.13	8.62	333.294		
785.50	781.43	770.18	770.17	4.61	4.50	113.18	-2,787.70	-619.65	2,879.12	2,870.00	9.11	315.878		
800.00	795.63	783.03	783.02	4.66	4.54	113.23	-2,787.71	-619.67	2,880.31	2,871.11	9.20	313.011		
900.00	893.55	877.01	877.01	5.02	4.83	113.58	-2,787.86	-619.89	2,888.73	2,878.89	9.84	293.495		
1,000.00	991.47	991.24	991.24	5.40	5.19	114.00	-2,787.91	-619.93	2,897.12	2,886.53	10.59	273.610		
1,100.00	1,089.39	1,079.59	1,079.58	5.80	5.49	114.33	-2,787.76	-619.85	2,905.40	2,894.12	11.28	257.537		
1,200.00	1,187.31	1,174.67	1,174.67	6.21	5.82	114.67	-2,787.86	-619.93	2,914.08	2,902.05	12.02	242.358		
1,300.00	1,285.22	1,270.51	1,270.50	6.64	6.17	115.02	-2,788.00	-619.96	2,922.91	2,910.12	12.79	228.519		
1,400.00	1,383.14	1,370.01	1,370.01	7.08	6.53	115.38	-2,788.20	-619.93	2,931.89	2,918.30	13.59	215.759		
1,500.00	1,481.06	1,468.61	1,468.60	7.52	6.90	115.73	-2,788.35	-619.82	2,940.91	2,926.51	14.40	204.254		
1,600.00	1,578.98	1,568.22	1,568.21	7.98	7.28	116.08	-2,788.49	-619.71	2,950.03	2,934.81	15.22	193.773		
1,700.00	1,676.90	1,665.01	1,665.00	8.44	7.65	116.42	-2,788.62	-619.48	2,959.22	2,943.17	16.05	184.386		
1,800.00	1,774.82	1,763.25	1,763.24	8.90	8.03	116.77	-2,788.70	-619.59	2,968.58	2,951.69	16.89	175.775		
1,900.00	1,872.74	1,868.93	1,868.93	9.37	8.45	117.14	-2,788.74	-619.42	2,977.92	2,960.15	17.77	167.626		
2,000.00	1,970.66	1,958.87	1,958.86	9.84	8.80	117.45	-2,788.59	-619.48	2,987.25	2,968.67	18.58	160.745		
2,100.00	2,068.57	2,049.95	2,049.94	10.32	9.16	117.77	-2,788.77	-619.77	2,997.09	2,977.68	19.41	154.388		
2,200.00	2,166.49	2,155.19	2,155.18	10.80	9.58	118.14	-2,788.89	-620.21	3,007.01	2,986.70	20.31	148.081		
2,300.00	2,264.41	2,258.85	2,258.84	11.28	10.00	118.50	-2,788.71	-620.54	3,016.73	2,995.53	21.20	142.318		
2,400.00	2,362.33	2,363.34	2,363.33	11.76	10.42	118.86	-2,788.45	-620.69	3,026.44	3,004.35	22.09	136.975		
2,500.00	2,460.25	2,464.39	2,464.38	12.24	10.83	119.20	-2,788.07	-620.48	3,036.02	3,013.04	22.98	132.112		
2,600.00	2,558.17	2,562.96	2,562.95	12.73	11.23	119.53	-2,787.70	-620.25	3,045.69	3,021.84	23.86	127.654		
2,700.00	2,656.09	2,658.14	2,658.13	13.22	11.62	119.84	-2,787.34	-620.04	3,055.47	3,030.74	24.73	123.578		
2,800.00	2,754.01	2,749.37	2,749.36	13.71	11.99	120.14	-2,787.22	-619.67	3,065.51	3,039.93	25.58	119.859		
2,900.00	2,851.92	2,845.86	2,845.85	14.20	12.39	120.45	-2,787.24	-619.47	3,075.85	3,049.39	26.45	116.279		
3,000.00	2,949.84	2,947.99	2,947.98	14.69	12.81	120.79	-2,786.98	-619.59	3,086.16	3,058.80	27.36	112.817		
3,100.00	3,047.76	3,042.42	3,042.40	15.18	13.20	121.10	-2,786.70	-619.75	3,096.54	3,068.32	28.23	109.708		
3,200.00	3,145.68	3,132.62	3,132.61	15.67	13.58	121.39	-2,786.73	-619.72	3,107.25	3,078.17	29.08	106.861		
3,300.00	3,243.60	3,225.39	3,225.38	16.17	13.96	121.69	-2,786.89	-619.88	3,118.25	3,088.31	29.94	104.142		
3,400.00	3,341.52	3,320.81	3,320.79	16.66	14.36	121.99	-2,787.25	-619.87	3,129.46	3,098.64	30.82	101.538		
3,500.00	3,439.44	3,417.02	3,417.00	17.16	14.76	122.29	-2,787.70	-619.77	3,140.82	3,109.12	31.70	99.069		
3,600.00	3,537.36	3,510.71	3,510.69	17.65	15.15	122.58	-2,788.22	-619.73	3,152.37	3,119.79	32.57	96.773		
3,700.00	3,635.27	3,603.49	3,603.47	18.15	15.54	122.86	-2,788.86	-619.75	3,164.15	3,130.71	33.44	94.614		
3,800.00	3,733.19	3,698.94	3,698.91	18.65	15.94	123.16	-2,789.62	-619.82	3,176.13	3,141.81	34.32	92.534		
3,900.00	3,831.11	3,800.01	3,799.99	19.14	16.36	123.46	-2,790.41	-619.89	3,188.19	3,152.96	35.23	90.490		
4,000.00	3,929.03	3,898.66	3,898.63	19.64	16.78	123.76	-2,791.16	-619.86	3,200.28	3,164.15	36.13	88.577		
4,100.00	4,026.95	3,989.64	3,989.61	20.14	17.16	124.03	-2,791.95	-619.83	3,212.54	3,175.55	36.99	86.847		
4,200.00	4,124.87	4,085.43	4,085.39	20.64	17.56	124.31	-2,792.92	-619.83	3,225.03	3,187.16	37.88	85.148		
4,300.00	4,222.79	4,183.96	4,183.91	21.14	17.98	124.59	-2,794.01	-619.69	3,237.62	3,198.85	38.77	83.501		
4,400.00	4,320.71	4,278.40	4,278.35	21.64	18.37	124.86	-2,795.14	-619.42	3,250.32	3,210.67	39.65	81.971		
4,500.00	4,418.62	4,382.33	4,382.27	22.14	18.81	125.16	-2,796.31	-619.31	3,263.10	3,222.52	40.58	80.416		
4,600.00	4,516.54	4,478.32	4,478.26	22.64	19.22	125.43	-2,797.12	-619.50	3,275.83	3,234.37	41.46	79.004		
4,700.00	4,614.46	4,577.15	4,577.08	23.14	19.63	125.73	-2,797.79	-620.13	3,288.71	3,246.34	42.36	77.629		
4,800.00	4,712.38	4,675.40	4,675.33	23.64	20.05	126.01	-2,798.50	-620.58	3,301.62	3,258.36	43.26	76.316		
4,900.00	4,810.30	4,779.85	4,779.78	24.14	20.49	126.30	-2,799.36	-620.66	3,314.54	3,270.35	44.19	75.003		
5,000.00	4,908.22	4,879.23	4,879.16	24.64	20.91	126.57	-2,800.28	-620.20	3,327.36	3,282.27	45.10	73.784		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,981.70	4,981.62	25.14	21.34	126.85	-2,801.15	-619.73	3,340.21	3,294.20	46.02	72.588		
5,200.00	5,104.06	5,085.44	5,085.36	25.64	21.78	127.13	-2,801.76	-619.41	3,352.97	3,306.02	46.94	71.428		
5,300.00	5,201.97	5,181.82	5,181.73	26.14	22.19	127.39	-2,802.19	-619.20	3,365.71	3,317.88	47.83	70.367		
5,400.00	5,299.89	5,280.76	5,280.68	26.64	22.61	127.66	-2,802.60	-619.12	3,378.57	3,329.84	48.73	69.328		
5,500.00	5,397.81	5,380.95	5,380.86	27.15	23.04	127.93	-2,802.93	-619.07	3,391.44	3,341.80	49.64	68.318		
5,600.00	5,495.73	5,474.41	5,474.32	27.65	23.43	128.18	-2,803.23	-619.07	3,404.40	3,353.88	50.52	67.392		
5,700.00	5,593.65	5,570.78	5,570.70	28.15	23.84	128.44	-2,803.63	-619.16	3,417.55	3,366.14	51.41	66.482		
5,800.00	5,691.57	5,666.65	5,666.56	28.65	24.25	128.69	-2,803.99	-619.35	3,430.79	3,378.50	52.29	65.609		
5,900.00	5,789.49	5,761.42	5,761.33	29.15	24.65	128.95	-2,804.33	-619.74	3,444.19	3,391.02	53.17	64.774		
6,000.00	5,887.41	5,860.07	5,859.98	29.66	25.07	129.22	-2,804.62	-620.35	3,457.72	3,403.64	54.07	63.946		
6,100.00	5,985.32	5,960.42	5,960.32	30.16	25.49	129.49	-2,804.69	-621.22	3,471.24	3,416.26	54.98	63.135		
6,200.00	6,083.24	6,055.52	6,055.42	30.66	25.90	129.76	-2,804.51	-622.43	3,484.82	3,428.96	55.86	62.383		
6,300.00	6,181.16	6,152.98	6,152.86	31.16	26.31	130.03	-2,804.32	-623.87	3,498.58	3,441.83	56.75	61.644		
6,400.00	6,279.08	6,254.53	6,254.40	31.67	26.74	130.32	-2,803.93	-625.50	3,512.33	3,454.66	57.67	60.906		
6,490.03	6,367.24	6,341.85	6,341.71	32.12	27.11	130.56	-2,803.51	-626.93	3,524.72	3,466.25	58.47	60.283		
6,500.00	6,377.01	6,351.15	6,351.00	32.17	27.15	131.62	-2,803.46	-627.10	3,526.06	3,467.51	58.56	60.218		
6,550.00	6,426.43	6,398.19	6,398.03	32.40	27.35	140.57	-2,803.23	-627.95	3,531.67	3,472.69	58.98	59.881		
6,600.00	6,476.27	6,447.69	6,447.53	32.61	27.56	175.57	-2,802.97	-628.89	3,535.36	3,475.96	59.39	59.523		
6,650.00	6,526.21	6,497.45	6,497.28	32.80	27.77	-98.07	-2,802.71	-629.86	3,537.08	3,477.29	59.79	59.154		
6,700.00	6,575.96	6,551.90	6,551.71	32.98	28.00	-77.12	-2,802.40	-630.90	3,536.80	3,476.59	60.21	58.741		
6,750.00	6,625.19	6,606.11	6,605.92	33.16	28.23	-71.14	-2,802.04	-631.86	3,534.49	3,473.86	60.63	58.300		
6,800.00	6,673.62	6,657.23	6,657.03	33.35	28.45	-68.74	-2,801.69	-632.69	3,530.20	3,469.17	61.03	57.844		
6,850.00	6,720.94	6,708.49	6,708.28	33.55	28.67	-67.79	-2,801.35	-633.44	3,524.01	3,462.57	61.44	57.356		
6,900.00	6,766.86	6,764.18	6,763.97	33.76	28.90	-67.69	-2,800.89	-634.18	3,515.93	3,454.04	61.88	56.815		
6,950.00	6,811.10	6,818.94	6,818.72	33.98	29.13	-68.14	-2,800.30	-634.83	3,506.03	3,443.70	62.33	56.246		
7,000.00	6,853.38	6,873.42	6,873.19	34.23	29.37	-69.01	-2,799.53	-635.46	3,494.43	3,431.63	62.80	55.645		
7,050.00	6,893.45	6,920.78	6,920.54	34.50	29.57	-70.16	-2,798.70	-636.02	3,481.27	3,418.02	63.25	55.044		
7,100.00	6,931.05	6,961.17	6,960.91	34.79	29.74	-71.52	-2,797.87	-636.60	3,466.78	3,403.10	63.68	54.439		
7,150.00	6,965.96	6,998.97	6,998.70	35.12	29.90	-73.09	-2,797.01	-637.26	3,451.14	3,387.01	64.13	53.812		
7,200.00	6,997.96	7,038.36	7,038.07	35.47	30.06	-74.90	-2,796.00	-638.05	3,434.50	3,369.87	64.63	53.143		
7,250.00	7,026.85	7,074.40	7,074.09	35.86	30.22	-76.84	-2,794.96	-638.85	3,417.01	3,351.87	65.14	52.455		
7,300.00	7,052.45	7,106.71	7,106.37	36.29	30.36	-78.89	-2,793.94	-639.62	3,398.88	3,333.20	65.68	51.751		
7,350.00	7,074.61	7,128.84	7,128.48	36.76	30.45	-80.89	-2,793.22	-640.16	3,380.32	3,314.10	66.21	51.053		
7,400.00	7,093.19	7,148.59	7,148.21	37.27	30.54	-82.94	-2,792.58	-640.64	3,361.52	3,294.74	66.78	50.338		
7,450.00	7,108.07	7,164.68	7,164.29	37.81	30.61	-84.97	-2,792.06	-641.03	3,342.66	3,275.28	67.37	49.614		
7,500.00	7,119.17	7,177.00	7,176.60	38.39	30.66	-86.96	-2,791.66	-641.33	3,323.91	3,255.92	67.99	48.886		
7,550.00	7,126.41	7,185.49	7,185.08	38.99	30.70	-88.87	-2,791.38	-641.54	3,305.43	3,236.80	68.63	48.162		
7,600.00	7,129.75	7,190.08	7,189.67	39.62	30.72	-90.68	-2,791.23	-641.65	3,287.38	3,218.10	69.29	47.447		
7,616.41	7,130.00	7,190.73	7,190.33	39.83	30.72	-91.25	-2,791.21	-641.67	3,281.57	3,212.07	69.50	47.216		
7,700.00	7,130.16	7,192.99	7,192.58	40.97	30.73	-91.29	-2,791.14	-641.72	3,253.08	3,182.40	70.67	46.031		
7,800.00	7,130.35	7,195.69	7,195.28	42.46	30.74	-91.34	-2,791.05	-641.79	3,221.50	3,149.27	72.23	44.600		
7,900.00	7,130.55	7,198.39	7,197.98	44.09	30.76	-91.39	-2,790.96	-641.86	3,192.75	3,118.80	73.95	43.174		
8,000.00	7,130.74	7,201.10	7,200.68	45.84	30.77	-91.44	-2,790.87	-641.92	3,166.89	3,091.08	75.81	41.772		
8,100.00	7,130.94	7,203.80	7,203.38	47.70	30.78	-91.50	-2,790.79	-641.99	3,144.00	3,066.20	77.80	40.410		
8,200.00	7,131.13	7,206.50	7,206.08	49.65	30.79	-91.55	-2,790.70	-642.05	3,124.14	3,044.25	79.90	39.102		
8,300.00	7,131.32	7,209.20	7,208.77	51.70	30.80	-91.60	-2,790.61	-642.12	3,107.38	3,025.29	82.08	37.857		
8,400.00	7,131.52	7,211.90	7,211.47	53.81	30.81	-91.65	-2,790.52	-642.19	3,093.75	3,009.41	84.34	36.683		
8,500.00	7,131.71	7,214.60	7,214.17	55.99	30.83	-91.70	-2,790.43	-642.25	3,083.30	2,996.66	86.65	35.585		
8,600.00	7,131.90	7,217.30	7,216.87	58.24	30.84	-91.75	-2,790.35	-642.32	3,076.07	2,987.09	88.99	34.567		
8,700.00	7,132.10	7,220.00	7,219.57	60.53	30.85	-91.80	-2,790.26	-642.38	3,072.08	2,980.73	91.35	33.629		
8,772.82	7,132.24	7,221.97	7,221.53	62.23	30.86	-91.83	-2,790.20	-642.43	3,071.22	2,978.14	93.08	32.995		
8,800.00	7,132.29	7,222.70	7,222.27	62.87	30.86	-91.85	-2,790.17	-642.45	3,071.34	2,977.62	93.72	32.772		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,225.40	7,224.97	65.25	30.87	-91.90	-2,790.08	-642.52	3,073.85	2,977.77	96.08	31.994		
9,000.00	7,132.68	7,228.10	7,227.66	67.68	30.89	-91.95	-2,790.00	-642.58	3,079.60	2,981.19	98.41	31.294		
9,100.00	7,132.87	7,230.80	7,230.36	70.13	30.90	-92.00	-2,789.91	-642.65	3,088.58	2,987.88	100.71	30.669		
9,200.00	7,133.07	7,233.51	7,233.06	72.61	30.91	-92.05	-2,789.82	-642.71	3,100.76	2,997.81	102.96	30.117		
9,300.00	7,133.26	7,236.21	7,235.76	75.13	30.92	-92.10	-2,789.73	-642.78	3,116.10	3,010.95	105.15	29.635		
9,400.00	7,133.46	7,238.91	7,238.46	77.66	30.93	-92.15	-2,789.64	-642.85	3,134.56	3,027.28	107.28	29.219		
9,500.00	7,133.65	7,241.61	7,241.16	80.22	30.94	-92.20	-2,789.56	-642.91	3,156.07	3,046.73	109.34	28.866		
9,600.00	7,133.84	7,244.31	7,243.86	82.80	30.96	-92.25	-2,789.47	-642.98	3,180.58	3,069.26	111.32	28.572		
9,700.00	7,134.04	7,247.01	7,246.55	85.40	30.97	-92.30	-2,789.38	-643.04	3,208.02	3,094.81	113.22	28.335		
9,800.00	7,134.23	7,249.71	7,249.25	88.01	30.98	-92.35	-2,789.29	-643.11	3,238.32	3,123.29	115.03	28.151		
9,900.00	7,134.43	7,252.41	7,251.95	90.64	30.99	-92.40	-2,789.21	-643.17	3,271.39	3,154.63	116.76	28.018		
10,000.00	7,134.62	7,255.11	7,254.65	93.28	31.00	-92.45	-2,789.12	-643.24	3,307.15	3,188.75	118.40	27.932		
10,100.00	7,134.81	7,257.81	7,257.35	95.94	31.02	-92.50	-2,789.03	-643.31	3,345.52	3,225.57	119.95	27.890 SF		
10,200.00	7,135.01	7,260.51	7,260.05	98.61	31.03	-92.55	-2,788.94	-643.37	3,386.40	3,264.99	121.42	27.891		
10,300.00	7,135.20	7,263.21	7,262.75	101.28	31.04	-92.60	-2,788.85	-643.44	3,429.72	3,306.92	122.79	27.931		
10,400.00	7,135.39	7,265.92	7,265.44	103.97	31.05	-92.65	-2,788.77	-643.50	3,475.36	3,351.28	124.09	28.007		
10,500.00	7,135.59	7,268.62	7,268.14	106.67	31.06	-92.70	-2,788.68	-643.57	3,523.26	3,397.96	125.30	28.119		
10,600.00	7,135.78	7,271.32	7,270.84	109.38	31.07	-92.75	-2,788.59	-643.64	3,573.31	3,446.88	126.43	28.263		
10,700.00	7,135.98	7,274.02	7,273.54	112.09	31.09	-92.80	-2,788.50	-643.70	3,625.42	3,497.94	127.48	28.438		
10,800.00	7,136.17	7,276.72	7,276.24	114.81	31.10	-92.85	-2,788.42	-643.77	3,679.51	3,551.05	128.47	28.642		
10,900.00	7,136.36	7,279.42	7,278.94	117.54	31.11	-92.91	-2,788.33	-643.83	3,735.50	3,606.12	129.38	28.873		
11,000.00	7,136.56	7,282.12	7,281.64	120.28	31.12	-92.96	-2,788.24	-643.90	3,793.29	3,663.07	130.22	29.129		
11,100.00	7,136.75	7,284.82	7,284.33	123.02	31.13	-93.01	-2,788.15	-643.97	3,852.81	3,721.81	131.00	29.410		
11,200.00	7,136.95	7,287.52	7,287.03	125.76	31.15	-93.06	-2,788.06	-644.03	3,913.98	3,782.26	131.73	29.713		
11,300.00	7,137.14	7,290.22	7,289.73	128.52	31.16	-93.11	-2,787.98	-644.10	3,976.72	3,844.33	132.39	30.037		
11,400.00	7,137.33	7,292.92	7,292.43	131.27	31.17	-93.16	-2,787.89	-644.16	4,040.97	3,907.96	133.01	30.382		
11,500.00	7,137.53	7,295.62	7,295.13	134.03	31.18	-93.21	-2,787.80	-644.23	4,106.63	3,973.06	133.57	30.745		
11,600.00	7,137.72	7,298.32	7,297.83	136.80	31.19	-93.26	-2,787.71	-644.30	4,173.66	4,039.58	134.09	31.126		
11,700.00	7,137.92	7,301.03	7,300.53	139.57	31.21	-93.31	-2,787.63	-644.36	4,241.99	4,107.43	134.56	31.524		
11,800.00	7,138.11	7,303.73	7,303.22	142.34	31.22	-93.36	-2,787.54	-644.43	4,311.55	4,176.56	135.00	31.938		
11,900.00	7,138.30	7,306.43	7,305.92	145.12	31.23	-93.41	-2,787.45	-644.49	4,382.29	4,246.90	135.39	32.367		
12,000.00	7,138.50	7,309.13	7,308.62	147.90	31.24	-93.46	-2,787.36	-644.56	4,454.15	4,318.39	135.76	32.810		
12,100.00	7,138.69	7,311.83	7,311.32	150.68	31.25	-93.51	-2,787.27	-644.62	4,527.07	4,390.99	136.09	33.266		
12,200.00	7,138.88	7,314.53	7,314.02	153.47	31.26	-93.56	-2,787.19	-644.69	4,601.02	4,464.63	136.39	33.735		
12,300.00	7,139.08	7,317.23	7,316.72	156.26	31.28	-93.61	-2,787.10	-644.76	4,675.93	4,539.27	136.66	34.216		
12,400.00	7,139.27	7,319.93	7,319.42	159.05	31.29	-93.66	-2,787.01	-644.82	4,751.76	4,614.85	136.90	34.709		
12,500.00	7,139.47	7,322.63	7,322.11	161.85	31.30	-93.71	-2,786.92	-644.89	4,828.47	4,691.34	137.13	35.212		
12,600.00	7,139.66	7,325.33	7,324.81	164.64	31.31	-93.76	-2,786.84	-644.95	4,906.01	4,768.69	137.33	35.725		
12,700.00	7,139.85	7,328.03	7,327.51	167.44	31.32	-93.81	-2,786.75	-645.02	4,984.36	4,846.85	137.51	36.248		
12,800.00	7,140.05	7,330.73	7,330.21	170.24	31.34	-93.86	-2,786.66	-645.09	5,063.47	4,925.80	137.67	36.780		
12,900.00	7,140.24	7,333.44	7,332.91	173.05	31.35	-93.91	-2,786.57	-645.15	5,143.30	5,005.49	137.81	37.321		
13,000.00	7,140.44	7,336.14	7,335.61	175.85	31.36	-93.96	-2,786.48	-645.22	5,223.83	5,085.89	137.94	37.870		
13,100.00	7,140.63	7,338.84	7,338.31	178.66	31.37	-94.01	-2,786.40	-645.28	5,305.01	5,166.96	138.06	38.427		
13,200.00	7,140.82	7,341.54	7,341.01	181.47	31.38	-94.06	-2,786.31	-645.35	5,386.83	5,248.68	138.16	38.991		
13,300.00	7,141.02	7,344.24	7,343.70	184.28	31.39	-94.11	-2,786.22	-645.42	5,469.26	5,331.01	138.24	39.563		
13,400.00	7,141.21	7,346.94	7,346.40	187.10	31.41	-94.16	-2,786.13	-645.48	5,552.25	5,413.93	138.32	40.141		
13,500.00	7,141.41	7,349.64	7,349.10	189.91	31.42	-94.21	-2,786.05	-645.55	5,635.80	5,497.42	138.39	40.725		
13,600.00	7,141.60	7,352.34	7,351.80	192.73	31.43	-94.26	-2,785.96	-645.61	5,719.88	5,581.44	138.44	41.316		
13,700.00	7,141.79	7,355.04	7,354.50	195.54	31.44	-94.31	-2,785.87	-645.68	5,804.46	5,665.97	138.49	41.912		
13,800.00	7,141.99	7,357.74	7,357.20	198.36	31.45	-94.36	-2,785.78	-645.75	5,889.52	5,750.99	138.53	42.514		
13,900.00	7,142.18	7,360.44	7,359.90	201.18	31.47	-94.41	-2,785.69	-645.81	5,975.04	5,836.48	138.56	43.121		
14,000.00	7,142.37	7,363.14	7,362.59	204.01	31.48	-94.47	-2,785.61	-645.88	6,061.01	5,922.42	138.59	43.734		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,365.85	7,365.29	206.83	31.49	-94.52	-2,785.52	-645.94	6,147.40	6,008.79	138.61	44.351		
14,200.00	7,142.76	7,368.55	7,367.99	209.65	31.50	-94.57	-2,785.43	-646.01	6,234.19	6,095.57	138.62	44.972		
14,300.00	7,142.96	7,371.25	7,370.69	212.48	31.51	-94.62	-2,785.34	-646.07	6,321.37	6,182.74	138.63	45.598		
14,400.00	7,143.15	7,373.95	7,373.39	215.30	31.53	-94.67	-2,785.26	-646.14	6,408.93	6,270.29	138.64	46.228		
14,500.00	7,143.34	7,376.65	7,376.09	218.13	31.54	-94.72	-2,785.17	-646.21	6,496.85	6,358.21	138.64	46.862		
14,600.00	7,143.54	7,379.35	7,378.79	220.96	31.55	-94.77	-2,785.08	-646.27	6,585.10	6,446.47	138.63	47.500		
14,700.00	7,143.73	7,382.05	7,381.48	223.79	31.56	-94.82	-2,784.99	-646.34	6,673.69	6,535.07	138.63	48.142		
14,800.00	7,143.93	7,384.75	7,384.18	226.62	31.57	-94.87	-2,784.90	-646.40	6,762.60	6,623.98	138.62	48.786		
14,838.32	7,144.00	7,385.79	7,385.22	227.70	31.58	-94.89	-2,784.87	-646.43	6,796.75	6,658.14	138.61	49.034		
14,900.00	7,144.12	7,387.43	7,386.86	229.45	31.58	-94.72	-2,784.82	-646.47	6,851.51	6,712.91	138.60	49.433		
15,000.00	7,144.32	7,390.01	7,389.43	232.26	31.60	-94.47	-2,784.73	-646.53	6,939.22	6,800.65	138.57	50.076		
15,027.81	7,144.37	7,390.70	7,390.13	233.04	31.60	-94.40	-2,784.71	-646.55	6,963.38	6,824.81	138.56	50.254		
15,100.00	7,144.51	7,392.50	7,391.92	235.07	31.61	-94.43	-2,784.65	-646.59	7,026.03	6,887.49	138.54	50.716		
15,200.00	7,144.71	7,394.99	7,394.41	237.87	31.62	-94.47	-2,784.57	-646.65	7,113.11	6,974.62	138.50	51.359		
15,300.00	7,144.91	7,397.47	7,396.89	240.68	31.63	-94.51	-2,784.49	-646.71	7,200.54	7,062.08	138.46	52.006		
15,400.00	7,145.10	7,399.96	7,399.38	243.48	31.64	-94.55	-2,784.41	-646.78	7,288.28	7,149.87	138.41	52.656		
15,500.00	7,145.30	7,402.45	7,401.86	246.29	31.65	-94.59	-2,784.33	-646.84	7,376.33	7,237.97	138.37	53.310		
15,600.00	7,145.50	7,404.93	7,404.35	249.10	31.66	-94.64	-2,784.25	-646.90	7,464.69	7,326.37	138.32	53.966		
15,700.00	7,145.69	7,407.42	7,406.83	251.91	31.67	-94.68	-2,784.17	-646.96	7,553.33	7,415.06	138.27	54.626		
15,800.00	7,145.89	7,409.91	7,409.32	254.71	31.68	-94.72	-2,784.09	-647.02	7,642.26	7,504.03	138.22	55.289		
15,900.00	7,146.09	7,412.39	7,411.80	257.52	31.69	-94.76	-2,784.01	-647.08	7,731.45	7,593.28	138.17	55.955		
16,000.00	7,146.28	7,414.88	7,414.29	260.34	31.71	-94.80	-2,783.92	-647.14	7,820.90	7,682.78	138.12	56.623		
16,100.00	7,146.48	7,417.37	7,416.77	263.15	31.72	-94.84	-2,783.84	-647.20	7,910.61	7,772.54	138.07	57.294		
16,200.00	7,146.68	7,419.85	7,419.25	265.96	31.73	-94.88	-2,783.76	-647.26	8,000.56	7,862.54	138.02	57.967		
16,300.00	7,146.87	7,422.34	7,421.74	268.77	31.74	-94.92	-2,783.68	-647.32	8,090.74	7,952.78	137.97	58.643		
16,400.00	7,147.07	7,424.83	7,424.22	271.58	31.75	-94.96	-2,783.60	-647.38	8,181.15	8,043.24	137.91	59.320		
16,500.00	7,147.27	7,427.31	7,426.71	274.40	31.76	-95.00	-2,783.52	-647.44	8,271.79	8,133.92	137.86	60.000		
16,600.00	7,147.46	7,429.80	7,429.19	277.21	31.77	-95.04	-2,783.44	-647.50	8,362.63	8,224.82	137.81	60.683		
16,700.00	7,147.66	7,432.29	7,431.68	280.03	31.78	-95.09	-2,783.36	-647.56	8,453.68	8,315.93	137.76	61.367		
16,800.00	7,147.86	7,434.77	7,434.16	282.84	31.79	-95.13	-2,783.28	-647.63	8,544.93	8,407.23	137.70	62.053		
16,900.00	7,148.05	7,437.26	7,436.65	285.66	31.80	-95.17	-2,783.20	-647.69	8,636.38	8,498.72	137.65	62.740		
17,000.00	7,148.25	7,439.75	7,439.13	288.48	31.81	-95.21	-2,783.12	-647.75	8,728.01	8,590.40	137.60	63.430		
17,100.00	7,148.45	7,442.23	7,441.62	291.29	31.83	-95.25	-2,783.04	-647.81	8,819.82	8,682.27	137.55	64.121		
17,200.00	7,148.64	7,444.72	7,444.10	294.11	31.84	-95.29	-2,782.95	-647.87	8,911.80	8,774.30	137.50	64.814		
17,300.00	7,148.84	7,447.21	7,446.59	296.93	31.85	-95.33	-2,782.87	-647.93	9,003.96	8,866.51	137.45	65.508		
17,400.00	7,149.04	7,449.69	7,449.07	299.75	31.86	-95.37	-2,782.79	-647.99	9,096.28	8,958.88	137.40	66.204		
17,500.00	7,149.23	7,452.18	7,451.56	302.57	31.87	-95.41	-2,782.71	-648.05	9,188.76	9,051.41	137.35	66.901		
17,600.00	7,149.43	7,454.67	7,454.04	305.39	31.88	-95.45	-2,782.63	-648.11	9,281.40	9,144.10	137.30	67.599		
17,700.00	7,149.63	7,457.15	7,456.52	308.21	31.89	-95.49	-2,782.55	-648.17	9,374.19	9,236.94	137.25	68.298		
17,800.00	7,149.82	7,459.64	7,459.01	311.03	31.90	-95.54	-2,782.47	-648.23	9,467.12	9,329.92	137.21	68.999		
17,900.00	7,150.02	7,462.13	7,461.49	313.85	31.91	-95.58	-2,782.39	-648.29	9,560.20	9,423.04	137.16	69.701		
18,000.00	7,150.22	7,464.61	7,463.98	316.67	31.92	-95.62	-2,782.31	-648.35	9,653.41	9,516.30	137.12	70.404		
18,100.00	7,150.41	7,467.10	7,466.46	319.49	31.94	-95.66	-2,782.23	-648.41	9,746.76	9,609.69	137.07	71.107		
18,200.00	7,150.61	7,469.59	7,468.95	322.32	31.95	-95.70	-2,782.15	-648.47	9,840.24	9,703.21	137.03	71.812		
18,300.00	7,150.81	7,472.07	7,471.43	325.14	31.96	-95.74	-2,782.07	-648.54	9,933.84	9,796.86	136.98	72.518		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-155.60	-3,855.75	-1,749.23	4,234.17					
100.00	100.00	60.00	60.00	3.28	3.44	-155.60	-3,855.75	-1,749.23	4,233.98	4,227.25	6.73	629.320		
200.00	200.00	160.00	160.00	3.34	5.05	-155.60	-3,855.75	-1,749.23	4,233.98	4,225.59	8.39	504.811		
300.00	299.98	259.98	259.98	3.44	8.03	124.41	-3,855.75	-1,749.23	4,234.97	4,223.49	11.47	369.098		
400.00	399.84	359.84	359.84	3.60	11.30	124.41	-3,855.75	-1,749.23	4,237.93	4,223.03	14.90	284.375		
500.00	499.45	459.45	459.45	3.81	14.67	124.43	-3,855.75	-1,749.23	4,242.87	4,224.40	18.47	229.718		
600.00	598.70	558.70	558.70	4.06	18.06	124.45	-3,855.75	-1,749.23	4,249.80	4,227.68	22.11	192.199		
700.00	697.47	657.47	657.47	4.34	21.46	124.47	-3,855.75	-1,749.23	4,258.72	4,232.93	25.80	165.078		
785.50	781.43	741.43	741.43	4.61	24.36	124.50	-3,855.75	-1,749.23	4,267.95	4,238.98	28.97	147.305		
800.00	795.63	755.63	755.63	4.66	24.85	124.53	-3,855.75	-1,749.23	4,269.64	4,240.13	29.51	144.661		
900.00	893.55	853.55	853.55	5.02	28.24	124.75	-3,855.75	-1,749.23	4,281.34	4,248.09	33.26	128.738		
1,000.00	991.47	951.47	951.47	5.40	31.64	124.97	-3,855.75	-1,749.23	4,293.11	4,256.08	37.03	115.948		
1,100.00	1,089.39	1,049.39	1,049.39	5.80	35.04	125.19	-3,855.75	-1,749.23	4,304.94	4,264.12	40.82	105.465		
1,200.00	1,187.31	1,147.31	1,147.31	6.21	38.45	125.41	-3,855.75	-1,749.23	4,316.83	4,272.20	44.63	96.727		
1,300.00	1,285.22	1,245.22	1,245.22	6.64	41.85	125.62	-3,855.75	-1,749.23	4,328.78	4,280.33	48.45	89.338		
1,400.00	1,383.14	1,343.14	1,343.14	7.08	45.26	125.84	-3,855.75	-1,749.23	4,340.80	4,288.51	52.29	83.014		
1,500.00	1,481.06	1,441.06	1,441.06	7.52	48.67	126.05	-3,855.75	-1,749.23	4,352.88	4,296.74	56.14	77.542		
1,600.00	1,578.98	1,538.98	1,538.98	7.98	52.08	126.26	-3,855.75	-1,749.23	4,365.02	4,305.03	59.99	72.763		
1,700.00	1,676.90	1,636.90	1,636.90	8.44	55.50	126.47	-3,855.75	-1,749.23	4,377.21	4,313.37	63.85	68.556		
1,800.00	1,774.82	1,734.82	1,734.82	8.90	58.91	126.68	-3,855.75	-1,749.23	4,389.47	4,321.76	67.71	64.823		
1,900.00	1,872.74	1,832.74	1,832.74	9.37	62.32	126.89	-3,855.75	-1,749.23	4,401.79	4,330.21	71.58	61.491		
2,000.00	1,970.66	1,930.66	1,930.66	9.84	65.74	127.10	-3,855.75	-1,749.23	4,414.17	4,338.71	75.46	58.498		
2,100.00	2,068.57	2,028.57	2,028.57	10.32	69.15	127.31	-3,855.75	-1,749.23	4,426.60	4,347.27	79.34	55.796		
2,200.00	2,166.49	2,126.49	2,126.49	10.80	72.56	127.51	-3,855.75	-1,749.23	4,439.10	4,355.88	83.22	53.344		
2,300.00	2,264.41	2,224.41	2,224.41	11.28	75.98	127.72	-3,855.75	-1,749.23	4,451.65	4,364.55	87.10	51.111		
2,400.00	2,362.33	2,322.33	2,322.33	11.76	79.39	127.92	-3,855.75	-1,749.23	4,464.26	4,373.27	90.98	49.067		
2,500.00	2,460.25	2,420.25	2,420.25	12.24	82.81	128.12	-3,855.75	-1,749.23	4,476.92	4,382.05	94.87	47.190		
2,600.00	2,558.17	2,518.17	2,518.17	12.73	86.23	128.32	-3,855.75	-1,749.23	4,489.64	4,390.89	98.76	45.461		
2,700.00	2,656.09	2,616.09	2,616.09	13.22	89.64	128.52	-3,855.75	-1,749.23	4,502.42	4,399.77	102.65	43.863		
2,800.00	2,754.01	2,714.01	2,714.01	13.71	93.06	128.72	-3,855.75	-1,749.23	4,515.25	4,408.71	106.54	42.382		
2,900.00	2,851.92	2,811.92	2,811.92	14.20	96.47	128.92	-3,855.75	-1,749.23	4,528.14	4,417.71	110.43	41.005		
3,000.00	2,949.84	2,909.84	2,909.84	14.69	99.89	129.12	-3,855.75	-1,749.23	4,541.08	4,426.75	114.32	39.722		
3,100.00	3,047.76	3,007.76	3,007.76	15.18	103.31	129.31	-3,855.75	-1,749.23	4,554.07	4,435.85	118.22	38.523		
3,200.00	3,145.68	3,105.68	3,105.68	15.67	106.72	129.51	-3,855.75	-1,749.23	4,567.12	4,445.01	122.11	37.402		
3,300.00	3,243.60	3,203.60	3,203.60	16.17	110.14	129.70	-3,855.75	-1,749.23	4,580.22	4,454.21	126.00	36.350		
3,400.00	3,341.52	3,301.52	3,301.52	16.66	113.56	129.89	-3,855.75	-1,749.23	4,593.37	4,463.47	129.90	35.361		
3,500.00	3,439.44	3,400.56	3,399.44	17.16	117.01	130.09	-3,855.75	-1,749.23	4,606.57	4,472.74	133.84	34.420		
3,600.00	3,537.36	3,502.64	3,497.36	17.65	120.58	130.28	-3,855.75	-1,749.23	4,619.83	4,481.95	137.88	33.507		
3,700.00	3,635.27	3,604.73	3,595.27	18.15	124.14	130.47	-3,855.75	-1,749.23	4,633.13	4,491.21	141.92	32.646		
3,800.00	3,733.19	3,706.81	3,693.19	18.65	127.70	130.65	-3,855.75	-1,749.23	4,646.49	4,500.53	145.96	31.834		
3,900.00	3,831.11	3,808.89	3,791.11	19.14	131.26	130.84	-3,855.75	-1,749.23	4,659.90	4,509.89	150.00	31.065		
4,000.00	3,929.03	3,889.03	3,889.03	19.64	134.06	131.03	-3,855.75	-1,749.23	4,673.35	4,520.07	153.28	30.489		
4,100.00	4,026.95	3,986.95	3,986.95	20.14	137.48	131.21	-3,855.75	-1,749.23	4,686.86	4,529.68	157.18	29.819		
4,200.00	4,124.87	4,084.87	4,084.87	20.64	140.90	131.40	-3,855.75	-1,749.23	4,700.41	4,539.34	161.08	29.181		
4,300.00	4,222.79	4,182.79	4,182.79	21.14	144.31	131.58	-3,855.75	-1,749.23	4,714.02	4,549.04	164.98	28.574		
4,400.00	4,320.71	4,280.71	4,280.71	21.64	147.73	131.76	-3,855.75	-1,749.23	4,727.67	4,558.80	168.87	27.995		
4,500.00	4,418.62	4,378.62	4,378.62	22.14	151.15	131.94	-3,855.75	-1,749.23	4,741.37	4,568.60	172.77	27.443		
4,600.00	4,516.54	4,476.54	4,476.54	22.64	154.57	132.12	-3,855.75	-1,749.23	4,755.11	4,578.44	176.67	26.915		
4,700.00	4,614.46	4,574.46	4,574.46	23.14	157.98	132.30	-3,855.75	-1,749.23	4,768.91	4,588.34	180.57	26.410		
4,800.00	4,712.38	4,672.38	4,672.38	23.64	161.40	132.48	-3,855.75	-1,749.23	4,782.74	4,598.28	184.47	25.927		
4,900.00	4,810.30	4,770.30	4,770.30	24.14	164.82	132.65	-3,855.75	-1,749.23	4,796.63	4,608.26	188.37	25.464		
5,000.00	4,908.22	4,868.22	4,868.22	24.64	168.24	132.83	-3,855.75	-1,749.23	4,810.56	4,618.30	192.26	25.021		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,966.14	4,966.14	25.14	171.65	133.00	-3,855.75	-1,749.23	4,824.54	4,628.37	196.16	24.595		
5,200.00	5,104.06	5,064.06	5,064.06	25.64	175.07	133.18	-3,855.75	-1,749.23	4,838.56	4,638.49	200.06	24.185		
5,300.00	5,201.97	5,161.97	5,161.97	26.14	178.49	133.35	-3,855.75	-1,749.23	4,852.62	4,648.66	203.96	23.792		
5,400.00	5,299.89	5,259.89	5,259.89	26.64	181.91	133.52	-3,855.75	-1,749.23	4,866.73	4,658.87	207.86	23.414		
5,500.00	5,397.81	5,357.81	5,357.81	27.15	185.33	133.69	-3,855.75	-1,749.23	4,880.88	4,669.12	211.76	23.049		
5,600.00	5,495.73	5,455.73	5,455.73	27.65	188.74	133.86	-3,855.75	-1,749.23	4,895.08	4,679.42	215.66	22.699		
5,700.00	5,593.65	5,553.65	5,553.65	28.15	192.16	134.03	-3,855.75	-1,749.23	4,909.32	4,689.76	219.55	22.360		
5,800.00	5,691.57	5,651.57	5,651.57	28.65	195.58	134.20	-3,855.75	-1,749.23	4,923.60	4,700.14	223.45	22.034		
5,900.00	5,789.49	5,749.49	5,749.49	29.15	199.00	134.37	-3,855.75	-1,749.23	4,937.92	4,710.57	227.35	21.719		
6,000.00	5,887.41	5,847.41	5,847.41	29.66	202.41	134.53	-3,855.75	-1,749.23	4,952.28	4,721.03	231.25	21.415		
6,100.00	5,985.32	5,945.32	5,945.32	30.16	205.83	134.70	-3,855.75	-1,749.23	4,966.69	4,731.54	235.15	21.122		
6,200.00	6,083.24	6,043.24	6,043.24	30.66	209.25	134.86	-3,855.75	-1,749.23	4,981.14	4,742.09	239.05	20.838		
6,300.00	6,181.16	6,141.16	6,141.16	31.16	212.67	135.03	-3,855.75	-1,749.23	4,995.63	4,752.68	242.94	20.563		
6,400.00	6,279.08	6,239.08	6,239.08	31.67	216.09	135.19	-3,855.75	-1,749.23	5,010.15	4,763.31	246.84	20.297		
6,490.03	6,367.24	6,327.24	6,327.24	32.12	219.16	135.33	-3,855.75	-1,749.23	5,023.27	4,772.92	250.35	20.065		
6,500.00	6,377.01	6,337.01	6,337.01	32.17	219.50	136.38	-3,855.75	-1,749.23	5,024.68	4,773.94	250.74	20.039		
6,550.00	6,426.43	6,386.43	6,386.43	32.40	221.23	145.29	-3,855.75	-1,749.23	5,030.45	4,777.75	252.69	19.907		
6,600.00	6,476.27	6,436.27	6,436.27	32.61	222.97	-179.77	-3,855.75	-1,749.23	5,034.00	4,779.36	254.64	19.769		
6,650.00	6,526.21	6,486.21	6,486.21	32.80	224.71	-93.45	-3,855.75	-1,749.23	5,035.32	4,778.75	256.57	19.625		
6,700.00	6,575.96	6,535.96	6,535.96	32.98	226.45	-72.53	-3,855.75	-1,749.23	5,034.39	4,775.91	258.49	19.476		
6,750.00	6,625.19	6,585.19	6,585.19	33.16	228.17	-66.57	-3,855.75	-1,749.23	5,031.24	4,770.86	260.38	19.322		
6,800.00	6,673.62	6,633.62	6,633.62	33.35	229.86	-64.18	-3,855.75	-1,749.23	5,025.90	4,763.64	262.25	19.164		
6,850.00	6,720.94	6,680.94	6,680.94	33.55	231.51	-63.23	-3,855.75	-1,749.23	5,018.41	4,754.32	264.08	19.003		
6,900.00	6,766.86	6,726.86	6,726.86	33.76	233.11	-63.08	-3,855.75	-1,749.23	5,008.86	4,742.98	265.87	18.839		
6,950.00	6,811.10	6,771.10	6,771.10	33.98	234.66	-63.46	-3,855.75	-1,749.23	4,997.33	4,729.71	267.61	18.674		
7,000.00	6,853.38	6,813.38	6,813.38	34.23	236.13	-64.24	-3,855.75	-1,749.23	4,983.92	4,714.63	269.29	18.507		
7,050.00	6,893.45	6,853.45	6,853.45	34.50	237.53	-65.35	-3,855.75	-1,749.23	4,968.77	4,697.86	270.91	18.341		
7,100.00	6,931.05	6,891.05	6,891.05	34.79	239.47	-66.73	-3,855.75	-1,749.23	4,952.00	4,678.92	273.08	18.134		
7,150.00	6,965.96	6,925.96	6,925.96	35.12	240.06	-68.36	-3,855.75	-1,749.23	4,933.76	4,659.83	273.94	18.011		
7,200.00	6,997.96	6,957.96	6,957.96	35.47	241.18	-70.21	-3,855.75	-1,749.23	4,914.21	4,638.87	275.34	17.848		
7,250.00	7,026.85	6,986.85	6,986.85	35.86	242.19	-72.24	-3,855.75	-1,749.23	4,893.51	4,616.85	276.66	17.688		
7,300.00	7,052.45	7,012.45	7,012.45	36.29	243.08	-74.43	-3,855.75	-1,749.23	4,871.83	4,593.92	277.91	17.530		
7,350.00	7,074.61	7,034.61	7,034.61	36.76	243.86	-76.75	-3,855.75	-1,749.23	4,849.35	4,570.28	279.07	17.377		
7,400.00	7,093.19	7,053.19	7,053.19	37.27	244.50	-79.17	-3,855.75	-1,749.23	4,826.24	4,546.10	280.14	17.228		
7,450.00	7,108.07	7,068.07	7,068.07	37.81	245.02	-81.65	-3,855.75	-1,749.23	4,802.68	4,521.55	281.13	17.084		
7,500.00	7,119.17	7,079.17	7,079.17	38.39	245.41	-84.16	-3,855.75	-1,749.23	4,778.84	4,496.82	282.01	16.945		
7,550.00	7,126.41	7,086.41	7,086.41	38.99	245.66	-86.67	-3,855.75	-1,749.23	4,754.90	4,472.09	282.80	16.814		
7,600.00	7,129.75	7,089.75	7,089.75	39.62	245.78	-89.14	-3,855.75	-1,749.23	4,731.01	4,447.53	283.48	16.689		
7,616.41	7,130.00	7,090.00	7,090.00	39.83	245.79	-89.94	-3,855.75	-1,749.23	4,723.22	4,439.53	283.68	16.650		
7,700.00	7,130.16	7,109.84	7,109.84	40.97	246.48	-89.94	-3,855.75	-1,749.23	4,684.14	4,398.72	285.42	16.412		
7,800.00	7,130.35	7,109.65	7,109.65	42.46	246.47	-89.95	-3,855.75	-1,749.23	4,638.93	4,352.12	286.81	16.174		
7,900.00	7,130.55	7,109.45	7,109.55	44.09	246.47	-89.95	-3,855.75	-1,749.23	4,595.46	4,307.10	288.36	15.937		
8,000.00	7,130.74	7,109.26	7,109.74	45.84	246.46	-89.95	-3,855.75	-1,749.23	4,553.77	4,263.71	290.06	15.699		
8,100.00	7,130.94	7,109.06	7,109.94	47.70	246.45	-89.95	-3,855.75	-1,749.23	4,513.91	4,222.01	291.90	15.464		
8,200.00	7,131.13	7,108.87	7,109.13	49.65	246.45	-89.96	-3,855.75	-1,749.23	4,475.93	4,182.07	293.87	15.231		
8,300.00	7,131.32	7,108.68	7,109.32	51.70	246.44	-89.96	-3,855.75	-1,749.23	4,439.88	4,143.93	295.95	15.002		
8,400.00	7,131.52	7,108.48	7,109.52	53.81	246.43	-89.96	-3,855.75	-1,749.23	4,405.81	4,107.67	298.14	14.778		
8,500.00	7,131.71	7,108.29	7,109.71	55.99	246.43	-89.96	-3,855.75	-1,749.23	4,373.75	4,073.33	300.42	14.559		
8,600.00	7,131.90	7,108.10	7,109.90	58.24	246.42	-89.97	-3,855.75	-1,749.23	4,343.76	4,040.97	302.79	14.346		
8,700.00	7,132.10	7,107.90	7,109.20	60.53	246.41	-89.97	-3,855.75	-1,749.23	4,315.88	4,010.65	305.23	14.140		
8,800.00	7,132.29	7,107.71	7,109.29	62.87	246.41	-89.97	-3,855.75	-1,749.23	4,290.15	3,982.41	307.74	13.941		
8,900.00	7,132.49	7,107.51	7,109.49	65.25	246.40	-89.97	-3,855.75	-1,749.23	4,266.61	3,956.31	310.30	13.750		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,107.32	7,092.68	67.68	246.39	-89.98	-3,855.75	-1,749.23	4,245.30	3,932.39	312.91	13.567		
9,100.00	7,132.87	7,107.13	7,092.87	70.13	246.39	-89.98	-3,855.75	-1,749.23	4,226.24	3,910.69	315.55	13.393		
9,200.00	7,133.07	7,106.93	7,093.07	72.61	246.38	-89.98	-3,855.75	-1,749.23	4,209.48	3,891.26	318.22	13.228		
9,300.00	7,133.26	7,106.74	7,093.26	75.13	246.37	-89.99	-3,855.75	-1,749.23	4,195.03	3,874.12	320.91	13.072		
9,400.00	7,133.46	7,106.54	7,093.46	77.66	246.37	-89.99	-3,855.75	-1,749.23	4,182.92	3,859.32	323.60	12.926		
9,500.00	7,133.65	7,106.35	7,093.65	80.22	246.36	-89.99	-3,855.75	-1,749.23	4,173.18	3,846.87	326.30	12.789		
9,600.00	7,133.84	7,106.16	7,093.84	82.80	246.35	-89.99	-3,855.75	-1,749.23	4,165.81	3,836.81	329.00	12.662		
9,700.00	7,134.04	7,105.96	7,094.04	85.40	246.35	-90.00	-3,855.75	-1,749.23	4,160.83	3,829.15	331.68	12.545		
9,800.00	7,134.23	7,105.77	7,094.23	88.01	246.34	-90.00	-3,855.75	-1,749.23	4,158.26	3,823.92	334.34	12.437		
9,857.16	7,134.34	7,105.66	7,094.34	89.51	246.34	-90.00	-3,855.75	-1,749.23	4,157.86	3,822.02	335.85	12.380 CC		
9,900.00	7,134.43	7,105.57	7,094.43	90.64	246.33	-90.00	-3,855.75	-1,749.23	4,158.08	3,821.11	336.97	12.340		
10,000.00	7,134.62	7,105.38	7,094.62	93.28	246.33	-90.00	-3,855.75	-1,749.23	4,160.32	3,820.75	339.57	12.252 ES		
10,100.00	7,134.81	7,105.19	7,094.81	95.94	246.32	-90.01	-3,855.75	-1,749.23	4,164.95	3,822.82	342.13	12.174		
10,200.00	7,135.01	7,104.99	7,095.01	98.61	246.31	-90.01	-3,855.75	-1,749.23	4,171.97	3,827.33	344.64	12.105		
10,300.00	7,135.20	7,104.80	7,095.20	101.28	246.31	-90.01	-3,855.75	-1,749.23	4,181.38	3,834.27	347.11	12.046		
10,400.00	7,135.39	7,104.61	7,095.39	103.97	246.30	-90.01	-3,855.75	-1,749.23	4,193.15	3,843.64	349.51	11.997		
10,500.00	7,135.59	7,104.41	7,095.59	106.67	246.29	-90.02	-3,855.75	-1,749.23	4,207.27	3,855.40	351.86	11.957		
10,600.00	7,135.78	7,104.22	7,095.78	109.38	246.29	-90.02	-3,855.75	-1,749.23	4,223.70	3,869.55	354.15	11.926		
10,700.00	7,135.98	7,104.02	7,095.98	112.09	246.28	-90.02	-3,855.75	-1,749.23	4,242.43	3,886.06	356.37	11.905		
10,800.00	7,136.17	7,103.83	7,096.17	114.81	246.27	-90.03	-3,855.75	-1,749.23	4,263.42	3,904.90	358.52	11.892		
10,900.00	7,136.36	7,103.64	7,096.36	117.54	246.26	-90.03	-3,855.75	-1,749.23	4,286.65	3,926.04	360.60	11.887 SF		
11,000.00	7,136.56	7,103.44	7,096.56	120.28	246.26	-90.03	-3,855.75	-1,749.23	4,312.07	3,949.46	362.61	11.892		
11,100.00	7,136.75	7,103.25	7,096.75	123.02	246.25	-90.03	-3,855.75	-1,749.23	4,339.64	3,975.10	364.55	11.904		
11,200.00	7,136.95	7,103.05	7,096.95	125.76	246.24	-90.04	-3,855.75	-1,749.23	4,369.33	4,002.93	366.41	11.925		
11,300.00	7,137.14	7,102.86	7,097.14	128.52	246.24	-90.04	-3,855.75	-1,749.23	4,401.09	4,032.90	368.19	11.953		
11,400.00	7,137.33	7,102.67	7,097.33	131.27	246.23	-90.04	-3,855.75	-1,749.23	4,434.88	4,064.99	369.90	11.989		
11,500.00	7,137.53	7,102.47	7,097.53	134.03	246.22	-90.04	-3,855.75	-1,749.23	4,470.66	4,099.12	371.53	12.033		
11,600.00	7,137.72	7,102.28	7,097.72	136.80	246.22	-90.05	-3,855.75	-1,749.23	4,508.36	4,135.27	373.09	12.084		
11,700.00	7,137.92	7,102.08	7,097.92	139.57	246.21	-90.05	-3,855.75	-1,749.23	4,547.96	4,173.38	374.58	12.142		
11,800.00	7,138.11	7,101.89	7,098.11	142.34	246.20	-90.05	-3,855.75	-1,749.23	4,589.39	4,213.40	375.99	12.206		
11,900.00	7,138.30	7,101.70	7,098.30	145.12	246.20	-90.05	-3,855.75	-1,749.23	4,632.61	4,255.28	377.33	12.277		
12,000.00	7,138.50	7,101.50	7,098.50	147.90	246.19	-90.06	-3,855.75	-1,749.23	4,677.56	4,298.96	378.60	12.355		
12,100.00	7,138.69	7,101.31	7,098.69	150.68	246.18	-90.06	-3,855.75	-1,749.23	4,724.21	4,344.40	379.81	12.438		
12,200.00	7,138.88	7,101.12	7,098.88	153.47	246.18	-90.06	-3,855.75	-1,749.23	4,772.50	4,391.55	380.95	12.528		
12,300.00	7,139.08	7,100.92	7,099.08	156.26	246.17	-90.07	-3,855.75	-1,749.23	4,822.38	4,440.35	382.02	12.623		
12,400.00	7,139.27	7,100.73	7,099.27	159.05	246.16	-90.07	-3,855.75	-1,749.23	4,873.79	4,490.76	383.03	12.724		
12,500.00	7,139.47	7,100.53	7,099.47	161.85	246.16	-90.07	-3,855.75	-1,749.23	4,926.71	4,542.72	383.99	12.830		
12,600.00	7,139.66	7,100.34	7,099.66	164.64	246.15	-90.07	-3,855.75	-1,749.23	4,981.06	4,596.18	384.88	12.942		
12,700.00	7,139.85	7,100.15	7,099.85	167.44	246.14	-90.08	-3,855.75	-1,749.23	5,036.82	4,651.10	385.73	13.058		
12,800.00	7,140.05	7,100.05	7,100.05	170.24	246.14	-90.08	-3,855.75	-1,749.23	5,093.93	4,707.41	386.52	13.179		
12,900.00	7,140.24	7,100.24	7,100.24	173.05	246.15	-90.08	-3,855.75	-1,749.23	5,152.35	4,765.08	387.27	13.304		
13,000.00	7,140.44	7,100.44	7,100.44	175.85	246.15	-90.08	-3,855.75	-1,749.23	5,212.03	4,824.06	387.97	13.434		
13,100.00	7,140.63	7,100.63	7,100.63	178.66	246.16	-90.09	-3,855.75	-1,749.23	5,272.93	4,884.30	388.63	13.568		
13,200.00	7,140.82	7,100.82	7,100.82	181.47	246.17	-90.09	-3,855.75	-1,749.23	5,335.02	4,945.77	389.24	13.706		
13,300.00	7,141.02	7,101.02	7,101.02	184.28	246.17	-90.09	-3,855.75	-1,749.23	5,398.24	5,008.42	389.82	13.848		
13,400.00	7,141.21	7,101.21	7,101.21	187.10	246.18	-90.09	-3,855.75	-1,749.23	5,462.56	5,072.21	390.35	13.994		
13,500.00	7,141.41	7,101.41	7,101.41	189.91	246.19	-90.10	-3,855.75	-1,749.23	5,527.94	5,137.10	390.84	14.144		
13,600.00	7,141.60	7,101.60	7,101.60	192.73	246.19	-90.10	-3,855.75	-1,749.23	5,594.34	5,203.04	391.30	14.297		
13,700.00	7,141.79	7,101.79	7,101.79	195.54	246.20	-90.10	-3,855.75	-1,749.23	5,661.73	5,270.01	391.73	14.453		
13,800.00	7,141.99	7,101.99	7,101.99	198.36	246.21	-90.11	-3,855.75	-1,749.23	5,730.08	5,337.96	392.12	14.613		
13,900.00	7,142.18	7,102.18	7,102.18	201.18	246.21	-90.11	-3,855.75	-1,749.23	5,799.34	5,406.86	392.48	14.776		
14,000.00	7,142.37	7,102.37	7,102.37	204.01	246.22	-90.11	-3,855.75	-1,749.23	5,869.49	5,476.68	392.81	14.942		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,102.57	7,102.57	206.83	246.23	-90.11	-3,855.75	-1,749.23	5,940.50	5,547.38	393.12	15.111		
14,200.00	7,142.76	7,102.76	7,102.76	209.65	246.23	-90.12	-3,855.75	-1,749.23	6,012.33	5,618.92	393.40	15.283		
14,300.00	7,142.96	7,102.96	7,102.96	212.48	246.24	-90.12	-3,855.75	-1,749.23	6,084.95	5,691.29	393.66	15.457		
14,400.00	7,143.15	7,103.15	7,103.15	215.30	246.25	-90.12	-3,855.75	-1,749.23	6,158.34	5,764.45	393.89	15.635		
14,500.00	7,143.34	7,103.34	7,103.34	218.13	246.25	-90.12	-3,855.75	-1,749.23	6,232.48	5,838.37	394.11	15.814		
14,600.00	7,143.54	7,103.54	7,103.54	220.96	246.26	-90.13	-3,855.75	-1,749.23	6,307.32	5,913.02	394.30	15.996		
14,700.00	7,143.73	7,103.73	7,103.73	223.79	246.27	-90.13	-3,855.75	-1,749.23	6,382.86	5,988.38	394.47	16.181		
14,800.00	7,143.93	7,103.93	7,103.93	226.62	246.27	-90.13	-3,855.75	-1,749.23	6,459.06	6,064.43	394.63	16.367		
14,838.32	7,144.00	7,104.00	7,104.00	227.70	246.28	-90.13	-3,855.75	-1,749.23	6,488.43	6,093.74	394.69	16.439		
14,900.00	7,144.12	7,104.12	7,104.12	229.45	246.28	-90.13	-3,855.75	-1,749.23	6,535.48	6,140.71	394.77	16.555		
15,000.00	7,144.32	7,104.32	7,104.32	232.26	246.29	-90.12	-3,855.75	-1,749.23	6,610.43	6,215.54	394.89	16.740		
15,027.81	7,144.37	7,104.37	7,104.37	233.04	246.29	-90.12	-3,855.75	-1,749.23	6,630.98	6,236.06	394.92	16.791		
15,100.00	7,144.51	7,104.51	7,104.51	235.07	246.30	-90.12	-3,855.75	-1,749.23	6,684.34	6,289.35	394.99	16.923		
15,200.00	7,144.71	7,104.71	7,104.71	237.87	246.30	-90.13	-3,855.75	-1,749.23	6,758.83	6,363.76	395.08	17.108		
15,300.00	7,144.91	7,104.91	7,104.91	240.68	246.31	-90.13	-3,855.75	-1,749.23	6,833.97	6,438.83	395.15	17.295		
15,400.00	7,145.10	7,105.10	7,105.10	243.48	246.32	-90.13	-3,855.75	-1,749.23	6,909.75	6,514.54	395.20	17.484		
15,500.00	7,145.30	7,105.30	7,105.30	246.29	246.32	-90.13	-3,855.75	-1,749.23	6,986.13	6,590.88	395.25	17.675		
15,600.00	7,145.50	7,105.50	7,105.50	249.10	246.33	-90.14	-3,855.75	-1,749.23	7,063.10	6,667.82	395.28	17.869		
15,700.00	7,145.69	7,105.69	7,105.69	251.91	246.34	-90.14	-3,855.75	-1,749.23	7,140.64	6,745.34	395.30	18.064		
15,800.00	7,145.89	7,105.89	7,105.89	254.71	246.34	-90.14	-3,855.75	-1,749.23	7,218.74	6,823.42	395.31	18.261		
15,900.00	7,146.09	7,106.09	7,106.09	257.52	246.35	-90.14	-3,855.75	-1,749.23	7,297.37	6,902.05	395.32	18.460		
16,000.00	7,146.28	7,106.28	7,106.28	260.34	246.36	-90.15	-3,855.75	-1,749.23	7,376.51	6,981.21	395.31	18.660		
16,100.00	7,146.48	7,106.48	7,106.48	263.15	246.36	-90.15	-3,855.75	-1,749.23	7,456.16	7,060.87	395.29	18.862		
16,200.00	7,146.68	7,106.68	7,106.68	265.96	246.37	-90.15	-3,855.75	-1,749.23	7,536.30	7,141.03	395.27	19.066		
16,300.00	7,146.87	7,106.87	7,106.87	268.77	246.38	-90.15	-3,855.75	-1,749.23	7,616.90	7,221.66	395.24	19.272		
16,400.00	7,147.07	7,107.07	7,107.07	271.58	246.38	-90.16	-3,855.75	-1,749.23	7,697.96	7,302.76	395.20	19.479		
16,500.00	7,147.27	7,107.27	7,107.27	274.40	246.39	-90.16	-3,855.75	-1,749.23	7,779.46	7,384.30	395.16	19.687		
16,600.00	7,147.46	7,107.46	7,107.46	277.21	246.40	-90.16	-3,855.75	-1,749.23	7,861.38	7,466.27	395.11	19.897		
16,700.00	7,147.66	7,107.66	7,107.66	280.03	246.41	-90.16	-3,855.75	-1,749.23	7,943.72	7,548.67	395.05	20.108		
16,800.00	7,147.86	7,107.86	7,107.86	282.84	246.41	-90.17	-3,855.75	-1,749.23	8,026.46	7,631.47	394.99	20.320		
16,900.00	7,148.05	7,108.05	7,108.05	285.66	246.42	-90.17	-3,855.75	-1,749.23	8,109.59	7,714.66	394.93	20.534		
17,000.00	7,148.25	7,108.25	7,108.25	288.48	246.43	-90.17	-3,855.75	-1,749.23	8,193.10	7,798.24	394.86	20.749		
17,100.00	7,148.45	7,108.45	7,108.45	291.29	246.43	-90.17	-3,855.75	-1,749.23	8,276.97	7,882.19	394.79	20.966		
17,200.00	7,148.64	7,108.64	7,108.64	294.11	246.44	-90.18	-3,855.75	-1,749.23	8,361.20	7,966.49	394.71	21.183		
17,300.00	7,148.84	7,108.84	7,108.84	296.93	246.45	-90.18	-3,855.75	-1,749.23	8,445.77	8,051.14	394.63	21.402		
17,400.00	7,149.04	7,109.04	7,109.04	299.75	246.45	-90.18	-3,855.75	-1,749.23	8,530.68	8,136.13	394.55	21.621		
17,500.00	7,149.23	7,109.23	7,109.23	302.57	246.46	-90.18	-3,855.75	-1,749.23	8,615.91	8,221.44	394.47	21.842		
17,600.00	7,149.43	7,109.43	7,109.43	305.39	246.47	-90.19	-3,855.75	-1,749.23	8,701.45	8,307.07	394.38	22.064		
17,700.00	7,149.63	7,109.63	7,109.63	308.21	246.47	-90.19	-3,855.75	-1,749.23	8,787.30	8,393.01	394.29	22.286		
17,800.00	7,149.82	7,109.82	7,109.82	311.03	246.48	-90.19	-3,855.75	-1,749.23	8,873.45	8,479.25	394.20	22.510		
17,900.00	7,150.02	7,110.02	7,110.02	313.85	246.49	-90.19	-3,855.75	-1,749.23	8,959.88	8,565.77	394.11	22.735		
18,000.00	7,150.22	7,110.22	7,110.22	316.67	246.49	-90.20	-3,855.75	-1,749.23	9,046.59	8,652.58	394.01	22.960		
18,100.00	7,150.41	7,110.41	7,110.41	319.49	246.50	-90.20	-3,855.75	-1,749.23	9,133.58	8,739.66	393.92	23.187		
18,200.00	7,150.61	7,110.61	7,110.61	322.32	246.51	-90.20	-3,855.75	-1,749.23	9,220.83	8,827.01	393.82	23.414		
18,300.00	7,150.81	7,110.81	7,110.81	325.14	246.52	-90.21	-3,855.75	-1,749.23	9,308.33	8,914.61	393.72	23.642		
18,400.00	7,151.00	7,111.00	7,111.00	327.96	246.52	-90.21	-3,855.75	-1,749.23	9,396.09	9,002.46	393.62	23.871		
18,500.00	7,151.20	7,111.20	7,111.20	330.78	246.53	-90.21	-3,855.75	-1,749.23	9,484.08	9,090.56	393.52	24.101		
18,600.00	7,151.40	7,111.40	7,111.40	333.61	246.54	-90.21	-3,855.75	-1,749.23	9,572.31	9,178.89	393.42	24.331		
18,700.00	7,151.59	7,111.59	7,111.59	336.43	246.54	-90.22	-3,855.75	-1,749.23	9,660.78	9,267.46	393.32	24.562		
18,800.00	7,151.79	7,111.79	7,111.79	339.26	246.55	-90.22	-3,855.75	-1,749.23	9,749.46	9,356.24	393.22	24.794		
18,906.26	7,152.00	7,112.00	7,112.00	342.26	246.56	-90.22	-3,855.75	-1,749.23	9,843.94	9,450.83	393.11	25.041		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	144.25	-702.74	505.87	865.95					
100.00	100.00	93.56	93.56	3.28	0.21	144.28	-702.77	505.41	865.64	862.15	3.49	247.888		
200.00	200.00	198.67	198.65	3.34	0.44	144.37	-702.88	503.77	864.82	861.05	3.78	228.960		
300.00	299.98	303.64	303.59	3.44	0.68	64.68	-703.07	500.97	862.67	858.55	4.12	209.511		
400.00	399.84	415.92	415.81	3.60	1.08	65.30	-702.55	497.28	858.20	853.50	4.69	182.868		
500.00	499.45	521.59	521.40	3.81	1.54	66.03	-699.71	494.70	850.98	845.62	5.36	158.771		
600.00	598.70	624.91	624.63	4.06	1.99	66.96	-695.99	492.59	841.95	835.89	6.05	139.057		
700.00	697.47	727.78	727.39	4.34	2.44	68.11	-691.38	490.90	831.22	824.43	6.79	122.504		
785.50	781.43	815.32	814.79	4.61	2.82	69.27	-686.75	489.77	820.81	813.37	7.44	110.377		
800.00	795.63	830.13	829.58	4.66	2.88	69.45	-685.90	489.61	818.95	811.40	7.55	108.475		
900.00	893.55	929.32	928.60	5.02	3.32	70.65	-680.18	488.56	806.33	798.00	8.33	96.821		
1,000.00	991.47	1,029.15	1,028.24	5.40	3.75	71.93	-674.23	486.89	793.59	784.46	9.14	86.864		
1,100.00	1,089.39	1,135.20	1,134.08	5.80	4.22	73.50	-668.94	483.17	781.33	771.33	10.00	78.159		
1,200.00	1,187.31	1,263.73	1,262.01	6.21	4.80	75.61	-659.88	474.83	766.43	755.45	10.98	69.807		
1,300.00	1,285.22	1,393.03	1,390.10	6.64	5.38	77.94	-645.95	464.02	748.18	736.21	11.97	62.510		
1,400.00	1,383.14	1,517.59	1,512.68	7.08	5.95	80.17	-627.17	452.45	726.41	713.47	12.93	56.159		
1,500.00	1,481.06	1,619.23	1,612.23	7.52	6.42	81.98	-608.56	443.90	702.72	688.90	13.82	50.862		
1,600.00	1,578.98	1,727.31	1,717.84	7.98	6.92	83.94	-587.23	435.51	678.60	663.87	14.72	46.087		
1,700.00	1,676.90	1,814.88	1,803.34	8.44	7.33	85.73	-569.93	427.68	654.77	639.18	15.59	42.002		
1,800.00	1,774.82	1,905.40	1,891.86	8.90	7.76	87.76	-553.06	419.17	632.66	616.18	16.48	38.397		
1,900.00	1,872.74	2,005.47	1,989.77	9.37	8.23	90.04	-534.13	410.88	611.49	594.09	17.39	35.154		
2,000.00	1,970.66	2,098.00	2,080.15	9.84	8.67	92.25	-515.72	403.59	590.40	572.09	18.31	32.250		
2,100.00	2,068.57	2,189.05	2,169.28	10.32	9.11	94.62	-498.75	395.94	571.43	552.20	19.23	29.720		
2,200.00	2,166.49	2,289.20	2,267.33	10.80	9.59	97.28	-479.70	388.64	553.38	533.21	20.17	27.442		
2,300.00	2,264.41	2,381.45	2,357.58	11.28	10.03	99.74	-461.38	383.24	535.79	514.69	21.10	25.394		
2,400.00	2,362.33	2,475.65	2,449.96	11.76	10.47	102.38	-443.73	377.83	520.43	498.39	22.04	23.615		
2,500.00	2,460.25	2,581.18	2,553.26	12.24	10.98	105.46	-422.88	372.31	505.33	482.34	22.99	21.984		
2,600.00	2,558.17	2,673.85	2,643.74	12.73	11.42	108.34	-403.45	367.45	490.39	466.46	23.93	20.489		
2,700.00	2,656.09	2,770.10	2,737.79	13.22	11.89	111.56	-383.87	361.64	477.62	452.73	24.89	19.192		
2,800.00	2,754.01	2,860.85	2,826.35	13.71	12.33	114.88	-365.19	355.03	466.53	440.69	25.84	18.055		
2,900.00	2,851.92	2,951.95	2,915.38	14.20	12.77	118.38	-347.28	347.79	458.41	431.62	26.79	17.113		
3,000.00	2,949.84	3,037.72	2,999.33	14.69	13.19	121.77	-331.32	340.53	453.52	425.81	27.71	16.368		
3,067.33	3,015.78	3,095.54	3,056.16	15.02	13.47	124.01	-321.79	335.79	452.65	424.34	28.31	15.990 CC		
3,100.00	3,047.76	3,124.21	3,084.40	15.18	13.60	125.10	-317.36	333.50	452.84	424.25	28.60	15.835 ES		
3,200.00	3,145.68	3,218.42	3,177.36	15.67	14.05	128.56	-303.80	326.49	455.38	425.89	29.50	15.439		
3,300.00	3,243.60	3,310.19	3,268.13	16.17	14.47	131.69	-291.39	321.04	459.75	429.38	30.37	15.141		
3,400.00	3,341.52	3,399.35	3,356.56	16.66	14.88	134.52	-281.18	316.11	467.13	435.93	31.20	14.974		
3,500.00	3,439.44	3,488.91	3,445.62	17.16	15.28	137.08	-272.90	311.69	477.22	445.21	32.01	14.909		
3,600.00	3,537.36	3,584.80	3,541.17	17.65	15.70	139.52	-265.92	307.52	489.52	456.66	32.86	14.897		
3,700.00	3,635.27	3,684.45	3,640.61	18.15	16.13	141.66	-259.84	305.41	502.12	468.38	33.74	14.883		
3,800.00	3,733.19	3,782.74	3,738.81	18.65	16.54	143.31	-255.87	305.82	515.10	480.51	34.60	14.888		
3,900.00	3,831.11	3,881.55	3,837.56	19.14	16.95	144.77	-252.57	307.03	528.42	492.96	35.46	14.902		
4,000.00	3,929.03	3,973.12	3,929.09	19.64	17.33	146.05	-249.85	308.03	542.42	506.16	36.26	14.961		
4,100.00	4,026.95	4,064.55	4,020.49	20.14	17.71	147.25	-248.10	308.08	558.13	521.08	37.05	15.065		
4,200.00	4,124.87	4,161.86	4,117.80	20.64	18.12	148.46	-246.76	307.69	574.81	536.91	37.90	15.168		
4,300.00	4,222.79	4,250.08	4,206.01	21.14	18.48	149.46	-246.12	307.26	592.22	553.58	38.64	15.326		
4,400.00	4,320.71	4,339.42	4,295.34	21.64	18.83	150.36	-247.00	305.89	611.65	572.27	39.38	15.531		
4,500.00	4,418.62	4,436.00	4,391.88	22.14	19.21	151.24	-248.70	304.08	631.98	591.78	40.20	15.721		
4,600.00	4,516.54	4,531.91	4,487.75	22.64	19.58	151.96	-251.29	303.02	652.42	611.41	41.01	15.908		
4,700.00	4,614.46	4,633.44	4,589.22	23.14	19.98	152.59	-254.76	302.37	673.00	631.11	41.89	16.066		
4,800.00	4,712.38	4,742.89	4,698.65	23.64	20.41	153.33	-256.80	302.10	692.45	649.61	42.85	16.161		
4,900.00	4,810.30	4,845.54	4,801.29	24.14	20.81	154.03	-257.48	302.54	710.76	667.03	43.73	16.253		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,942.57	4,898.32	24.64	21.20	154.65	-258.08	303.20	728.93	684.37	44.56	16.357		
5,100.00	5,006.14	5,036.79	4,992.54	25.14	21.57	155.22	-258.93	303.63	747.52	702.15	45.37	16.476		
5,200.00	5,104.06	5,133.13	5,088.87	25.64	21.95	155.76	-260.06	303.92	766.45	720.25	46.20	16.590		
5,300.00	5,201.97	5,224.67	5,180.40	26.14	22.32	156.30	-260.93	303.37	786.06	739.08	46.98	16.730		
5,400.00	5,299.89	5,333.30	5,289.02	26.64	22.78	157.00	-260.56	302.42	805.29	757.34	47.95	16.794		
5,500.00	5,397.81	5,428.85	5,384.57	27.15	23.18	157.64	-259.33	301.69	824.03	775.24	48.79	16.888		
5,600.00	5,495.73	5,517.02	5,472.71	27.65	23.55	158.23	-258.27	299.94	843.92	794.36	49.56	17.028		
5,700.00	5,593.65	5,624.84	5,580.52	28.15	24.00	158.84	-257.87	298.89	863.48	812.96	50.52	17.091		
5,800.00	5,691.57	5,719.47	5,675.14	28.65	24.39	159.21	-259.22	299.27	882.85	831.51	51.35	17.194		
5,900.00	5,789.49	5,822.98	5,778.64	29.15	24.81	159.59	-260.95	299.36	902.68	850.43	52.25	17.275		
6,000.00	5,887.41	5,932.70	5,888.34	29.66	25.26	160.03	-261.02	300.94	920.51	867.29	53.22	17.297		
6,100.00	5,985.32	6,026.67	5,982.30	30.16	25.65	160.43	-260.71	301.82	938.69	884.65	54.04	17.369		
6,200.00	6,083.24	6,121.14	6,076.77	30.66	26.04	160.82	-260.27	302.35	957.18	902.30	54.88	17.443		
6,300.00	6,181.16	6,214.56	6,170.20	31.16	26.42	161.19	-260.30	302.60	976.19	920.50	55.69	17.528		
6,400.00	6,279.08	6,309.58	6,265.21	31.67	26.81	161.53	-260.79	302.69	995.63	939.11	56.52	17.614		
6,490.03	6,367.24	7,877.52	7,239.90	32.12	37.58	122.70	-244.58	1,169.72	994.80	956.69	38.11	26.102		
6,500.00	6,377.01	7,879.35	7,239.98	32.17	37.61	122.10	-244.54	1,171.55	986.35	947.94	38.41	25.677		
6,550.00	6,426.43	7,886.80	7,240.31	32.40	37.72	122.82	-244.41	1,178.99	943.95	903.97	39.98	23.610		
6,600.00	6,476.27	7,891.29	7,240.52	32.61	37.80	150.01	-244.33	1,183.48	901.81	860.17	41.64	21.658		
6,650.00	6,526.21	7,892.73	7,240.58	32.80	37.82	-130.61	-244.31	1,184.92	860.32	816.93	43.39	19.827		
6,700.00	6,575.96	7,891.02	7,240.51	32.98	37.79	-115.54	-244.33	1,183.21	819.86	774.62	45.24	18.121		
6,750.00	6,625.19	7,886.11	7,240.28	33.16	37.71	-114.22	-244.42	1,178.30	780.85	733.66	47.19	16.546		
6,800.00	6,673.62	7,877.93	7,239.92	33.35	37.58	-115.25	-244.57	1,170.13	743.69	694.45	49.23	15.106		
6,850.00	6,720.94	7,866.47	7,239.44	33.55	37.40	-116.58	-244.81	1,158.69	708.77	657.43	51.34	13.805		
6,900.00	6,766.86	7,851.73	7,238.87	33.76	37.17	-117.64	-245.15	1,143.96	676.49	623.00	53.49	12.647		
6,950.00	6,811.10	7,833.72	7,238.23	33.98	36.88	-118.26	-245.62	1,125.97	647.19	591.56	55.64	11.632		
7,000.00	6,853.38	7,812.52	7,237.56	34.23	36.55	-118.42	-246.27	1,104.79	621.17	563.43	57.73	10.759		
7,050.00	6,893.45	7,785.22	7,236.80	34.50	36.14	-117.88	-247.21	1,077.51	598.60	538.87	59.73	10.022		
7,100.00	6,931.05	7,752.50	7,235.83	34.79	35.67	-116.77	-248.33	1,044.83	579.38	517.81	61.57	9.410		
7,150.00	6,965.96	7,716.98	7,234.66	35.12	35.16	-115.34	-249.55	1,009.35	563.45	500.24	63.21	8.914		
7,200.00	6,997.96	7,660.90	7,232.74	35.47	34.42	-112.50	-250.52	953.31	550.18	485.65	64.53	8.526		
7,250.00	7,026.85	7,616.15	7,230.96	35.86	33.89	-110.53	-250.15	908.60	538.77	473.07	65.71	8.200		
7,300.00	7,052.45	7,573.74	7,228.50	36.29	33.37	-108.69	-249.79	866.27	529.63	462.94	66.69	7.942		
7,350.00	7,074.61	7,516.23	7,222.47	36.76	32.79	-105.94	-249.47	809.11	522.24	454.70	67.54	7.732		
7,400.00	7,093.19	7,465.16	7,211.40	37.27	32.28	-103.25	-249.74	759.28	516.10	447.74	68.36	7.550		
7,450.00	7,108.07	7,423.83	7,199.50	37.81	31.92	-100.99	-250.42	719.70	511.86	442.75	69.11	7.407		
7,500.00	7,119.17	7,383.45	7,186.03	38.39	31.57	-98.70	-251.55	681.66	509.71	440.02	69.69	7.314		
7,532.81	7,124.36	7,355.24	7,175.47	38.79	31.37	-97.07	-252.59	655.53	509.35	439.30	70.05	7.271		
7,550.00	7,126.41	7,340.77	7,169.56	38.99	31.28	-96.21	-253.19	642.34	509.45	439.23	70.21	7.256		
7,600.00	7,129.75	7,299.76	7,151.08	39.62	31.00	-93.70	-255.14	605.78	510.84	440.22	70.62	7.234		
7,616.41	7,130.00	7,289.20	7,145.89	39.83	30.92	-93.02	-255.67	596.61	511.63	440.90	70.73	7.234 SF		
7,700.00	7,130.16	7,207.42	7,099.04	40.97	30.49	-87.77	-259.26	529.83	517.54	446.45	71.09	7.280		
7,800.00	7,130.35	7,143.69	7,054.51	42.46	30.19	-82.88	-260.73	484.32	531.27	459.98	71.29	7.452		
7,900.00	7,130.55	7,096.33	7,018.19	44.09	29.99	-78.99	-262.06	453.98	556.19	484.92	71.27	7.804		
8,000.00	7,130.74	7,044.01	6,975.50	45.84	29.78	-74.58	-263.17	423.76	592.01	521.24	70.77	8.365		
8,100.00	7,130.94	6,999.00	6,937.09	47.70	29.61	-70.74	-263.20	400.32	637.50	567.35	70.15	9.087		
8,200.00	7,131.13	6,967.89	6,909.74	49.65	29.49	-68.11	-262.84	385.51	691.78	622.04	69.75	9.919		
8,300.00	7,131.32	6,939.49	6,884.26	51.70	29.38	-65.73	-262.38	372.97	753.60	684.26	69.34	10.868		
8,400.00	7,131.52	6,904.00	6,851.81	53.81	29.24	-62.81	-261.61	358.63	821.72	752.96	68.76	11.951		
8,500.00	7,131.71	6,904.00	6,851.81	55.99	29.24	-62.81	-261.61	358.63	894.71	825.82	68.89	12.988		
8,600.00	7,131.90	6,879.33	6,828.88	58.24	29.15	-60.84	-261.20	349.54	971.79	903.26	68.53	14.180		
8,700.00	7,132.10	6,864.87	6,815.32	60.53	29.09	-59.71	-261.12	344.53	1,052.31	983.95	68.35	15.395		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,132.29	6,851.74	6,802.92	62.87	29.04	-58.71	-261.17	340.20	1,135.51	1,067.32	68.19	16.651				
8,900.00	7,132.49	6,839.77	6,791.57	65.25	28.99	-57.82	-261.30	336.42	1,220.91	1,152.86	68.05	17.941				
9,000.00	7,132.68	6,812.00	6,765.02	67.68	28.88	-55.82	-261.94	328.31	1,308.41	1,240.64	67.77	19.306				
9,100.00	7,132.87	6,812.00	6,765.02	70.13	28.88	-55.82	-261.94	328.31	1,396.86	1,329.10	67.76	20.615				
9,200.00	7,133.07	6,812.00	6,765.02	72.61	28.88	-55.82	-261.94	328.31	1,486.76	1,419.04	67.72	21.953				
9,300.00	7,133.26	6,812.00	6,765.02	75.13	28.88	-55.82	-261.94	328.31	1,577.89	1,510.21	67.68	23.315				
9,400.00	7,133.46	6,812.00	6,765.02	77.66	28.88	-55.82	-261.94	328.31	1,670.02	1,602.40	67.62	24.697				
9,500.00	7,133.65	6,781.62	6,735.66	80.22	28.76	-53.71	-262.63	320.53	1,762.25	1,694.82	67.43	26.136				
9,600.00	7,133.84	6,774.03	6,728.27	82.80	28.73	-53.19	-262.72	318.78	1,855.55	1,788.20	67.35	27.550				
9,700.00	7,134.04	6,767.05	6,721.47	85.40	28.70	-52.72	-262.77	317.24	1,949.43	1,882.14	67.29	28.972				
9,800.00	7,134.23	6,760.63	6,715.19	88.01	28.68	-52.29	-262.80	315.87	2,043.82	1,976.60	67.23	30.403				
9,900.00	7,134.43	6,754.69	6,709.38	90.64	28.65	-51.90	-262.80	314.66	2,138.66	2,071.49	67.17	31.839				
10,000.00	7,134.62	6,718.00	6,673.27	93.28	28.51	-49.51	-262.36	308.20	2,234.69	2,167.68	67.00	33.352				
10,100.00	7,134.81	6,718.00	6,673.27	95.94	28.51	-49.51	-262.36	308.20	2,330.04	2,263.06	66.99	34.784				
10,200.00	7,135.01	6,718.00	6,673.27	98.61	28.51	-49.51	-262.36	308.20	2,425.77	2,358.81	66.97	36.223				
10,300.00	7,135.20	6,718.00	6,673.27	101.28	28.51	-49.51	-262.36	308.20	2,521.84	2,454.89	66.95	37.667				
10,400.00	7,135.39	6,718.00	6,673.27	103.97	28.51	-49.51	-262.36	308.20	2,618.19	2,551.26	66.93	39.116				
10,500.00	7,135.59	6,718.00	6,673.27	106.67	28.51	-49.51	-262.36	308.20	2,714.81	2,647.89	66.92	40.569				
10,600.00	7,135.78	6,718.00	6,673.27	109.38	28.51	-49.51	-262.36	308.20	2,811.67	2,744.77	66.90	42.026				
10,700.00	7,135.98	6,718.00	6,673.27	112.09	28.51	-49.51	-262.36	308.20	2,908.74	2,841.85	66.89	43.485				
10,800.00	7,136.17	6,718.00	6,673.27	114.81	28.51	-49.51	-262.36	308.20	3,006.00	2,939.12	66.88	44.946				
10,900.00	7,136.36	6,718.00	6,673.27	117.54	28.51	-49.51	-262.36	308.20	3,103.44	3,036.57	66.87	46.410				
11,000.00	7,136.56	6,718.00	6,673.27	120.28	28.51	-49.51	-262.36	308.20	3,201.03	3,134.17	66.86	47.874				
11,100.00	7,136.75	6,718.00	6,673.27	123.02	28.51	-49.51	-262.36	308.20	3,298.77	3,231.91	66.86	49.340				
11,200.00	7,136.95	6,718.00	6,673.27	125.76	28.51	-49.51	-262.36	308.20	3,396.64	3,329.78	66.85	50.807				
11,300.00	7,137.14	6,718.00	6,673.27	128.52	28.51	-49.51	-262.36	308.20	3,494.63	3,427.77	66.85	52.274				
11,400.00	7,137.33	6,718.00	6,673.27	131.27	28.51	-49.51	-262.36	308.20	3,592.73	3,525.87	66.85	53.740				
11,500.00	7,137.53	6,718.00	6,673.27	134.03	28.51	-49.51	-262.36	308.20	3,690.93	3,624.08	66.86	55.207				
11,600.00	7,137.72	6,718.00	6,673.27	136.80	28.51	-49.51	-262.36	308.20	3,789.23	3,722.37	66.86	56.674				
11,700.00	7,137.92	6,718.00	6,673.27	139.57	28.51	-49.51	-262.36	308.20	3,887.61	3,820.74	66.87	58.140				
11,800.00	7,138.11	6,718.00	6,673.27	142.34	28.51	-49.51	-262.36	308.20	3,986.08	3,919.20	66.88	59.605				
11,900.00	7,138.30	6,718.00	6,673.27	145.12	28.51	-49.51	-262.36	308.20	4,084.61	4,017.73	66.89	61.069				
12,000.00	7,138.50	6,718.00	6,673.27	147.90	28.51	-49.51	-262.36	308.20	4,183.22	4,116.33	66.90	62.532				
12,100.00	7,138.69	6,718.00	6,673.27	150.68	28.51	-49.51	-262.36	308.20	4,281.90	4,214.98	66.91	63.993				
12,200.00	7,138.88	6,718.00	6,673.27	153.47	28.51	-49.51	-262.36	308.20	4,380.63	4,313.70	66.93	65.453				
12,300.00	7,139.08	6,718.00	6,673.27	156.26	28.51	-49.51	-262.36	308.20	4,479.42	4,412.47	66.94	66.912				
12,400.00	7,139.27	6,718.00	6,673.27	159.05	28.51	-49.51	-262.36	308.20	4,578.26	4,511.30	66.96	68.369				
12,500.00	7,139.47	6,718.00	6,673.27	161.85	28.51	-49.51	-262.36	308.20	4,677.15	4,610.17	66.99	69.824				
12,600.00	7,139.66	6,718.00	6,673.27	164.64	28.51	-49.51	-262.36	308.20	4,776.09	4,709.08	67.01	71.277				
12,700.00	7,139.85	6,718.00	6,673.27	167.44	28.51	-49.51	-262.36	308.20	4,875.07	4,808.04	67.03	72.728				
12,800.00	7,140.05	6,718.00	6,673.27	170.24	28.51	-49.51	-262.36	308.20	4,974.09	4,907.03	67.06	74.176				
12,900.00	7,140.24	6,718.00	6,673.27	173.05	28.51	-49.51	-262.36	308.20	5,073.15	5,006.06	67.09	75.622				
13,000.00	7,140.44	6,718.00	6,673.27	175.85	28.51	-49.51	-262.36	308.20	5,172.25	5,105.13	67.11	77.066				
13,100.00	7,140.63	6,718.00	6,673.27	178.66	28.51	-49.51	-262.36	308.20	5,271.38	5,204.23	67.14	78.508				
13,200.00	7,140.82	6,718.00	6,673.27	181.47	28.51	-49.51	-262.36	308.20	5,370.54	5,303.36	67.18	79.946				
13,300.00	7,141.02	6,718.00	6,673.27	184.28	28.51	-49.51	-262.36	308.20	5,469.73	5,402.52	67.21	81.383				
13,400.00	7,141.21	6,718.00	6,673.27	187.10	28.51	-49.51	-262.36	308.20	5,568.95	5,501.71	67.24	82.816				
13,500.00	7,141.41	6,718.00	6,673.27	189.91	28.51	-49.51	-262.36	308.20	5,668.20	5,600.92	67.28	84.246				
13,600.00	7,141.60	6,718.00	6,673.27	192.73	28.51	-49.51	-262.36	308.20	5,767.48	5,700.16	67.32	85.674				
13,700.00	7,141.79	6,718.00	6,673.27	195.54	28.51	-49.51	-262.36	308.20	5,866.78	5,799.42	67.36	87.098				
13,800.00	7,141.99	6,676.48	6,632.05	198.36	28.33	-46.97	-261.67	303.34	5,964.51	5,897.14	67.37	88.539				
13,900.00	7,142.18	6,675.76	6,631.33	201.18	28.33	-46.92	-261.66	303.28	6,063.80	5,996.39	67.41	89.957				

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,675.05	6,630.62	204.01	28.33	-46.88	-261.65	303.22	6,163.11	6,095.66	67.45	91.373		
14,100.00	7,142.57	6,674.37	6,629.94	206.83	28.33	-46.84	-261.65	303.17	6,262.45	6,194.95	67.49	92.785		
14,200.00	7,142.76	6,673.70	6,629.28	209.65	28.32	-46.80	-261.64	303.11	6,361.80	6,294.26	67.54	94.194		
14,300.00	7,142.96	6,673.05	6,628.63	212.48	28.32	-46.76	-261.63	303.06	6,461.18	6,393.59	67.59	95.599		
14,400.00	7,143.15	6,672.42	6,628.00	215.30	28.32	-46.73	-261.63	303.02	6,560.57	6,492.93	67.63	97.001		
14,500.00	7,143.34	6,671.81	6,627.39	218.13	28.31	-46.69	-261.62	302.97	6,659.98	6,592.29	67.68	98.399		
14,600.00	7,143.54	6,671.22	6,626.80	220.96	28.31	-46.66	-261.62	302.92	6,759.40	6,691.67	67.73	99.794		
14,700.00	7,143.73	6,670.64	6,626.22	223.79	28.31	-46.62	-261.61	302.88	6,858.85	6,791.06	67.78	101.186		
14,800.00	7,143.93	6,670.07	6,625.66	226.62	28.31	-46.59	-261.61	302.84	6,958.30	6,890.47	67.84	102.574		
14,838.32	7,144.00	6,669.86	6,625.45	227.70	28.31	-46.58	-261.61	302.83	6,996.42	6,928.56	67.86	103.105		
14,900.00	7,144.12	6,669.52	6,625.11	229.45	28.31	-53.68	-261.60	302.80	7,057.72	6,989.83	67.89	103.959		
15,000.00	7,144.32	6,668.99	6,624.58	232.26	28.30	-61.68	-261.60	302.76	7,156.85	7,088.91	67.94	105.345		
15,027.81	7,144.37	6,668.84	6,624.43	233.04	28.30	-63.37	-261.60	302.75	7,184.34	7,116.39	67.95	105.730		
15,100.00	7,144.51	6,668.47	6,624.06	235.07	28.30	-63.35	-261.59	302.73	7,255.68	7,187.70	67.98	106.729		
15,200.00	7,144.71	6,667.96	6,623.56	237.87	28.30	-63.33	-261.59	302.69	7,354.53	7,286.51	68.03	108.108		
15,300.00	7,144.91	6,667.47	6,623.07	240.68	28.30	-63.30	-261.59	302.66	7,453.42	7,385.34	68.08	109.484		
15,400.00	7,145.10	6,625.00	6,580.63	243.48	28.12	-61.37	-261.52	301.26	7,553.92	7,485.82	68.10	110.919		
15,500.00	7,145.30	6,625.00	6,580.63	246.29	28.12	-61.37	-261.52	301.26	7,652.82	7,584.66	68.15	112.286		
15,600.00	7,145.50	6,625.00	6,580.63	249.10	28.12	-61.37	-261.52	301.26	7,751.75	7,683.54	68.21	113.650		
15,700.00	7,145.69	6,625.00	6,580.63	251.91	28.12	-61.37	-261.52	301.26	7,850.70	7,782.44	68.26	115.010		
15,800.00	7,145.89	6,625.00	6,580.63	254.71	28.12	-61.37	-261.52	301.26	7,949.69	7,881.37	68.32	116.366		
15,900.00	7,146.09	6,625.00	6,580.63	257.52	28.12	-61.37	-261.52	301.26	8,048.69	7,980.32	68.37	117.718		
16,000.00	7,146.28	6,625.00	6,580.63	260.34	28.12	-61.37	-261.52	301.26	8,147.72	8,079.29	68.43	119.066		
16,100.00	7,146.48	6,625.00	6,580.63	263.15	28.12	-61.37	-261.52	301.26	8,246.78	8,178.29	68.49	120.410		
16,200.00	7,146.68	6,625.00	6,580.63	265.96	28.12	-61.37	-261.52	301.26	8,345.86	8,277.31	68.55	121.750		
16,300.00	7,146.87	6,625.00	6,580.63	268.77	28.12	-61.37	-261.52	301.26	8,444.95	8,376.34	68.61	123.086		
16,400.00	7,147.07	6,625.00	6,580.63	271.58	28.12	-61.37	-261.52	301.26	8,544.07	8,475.40	68.67	124.417		
16,500.00	7,147.27	6,625.00	6,580.63	274.40	28.12	-61.37	-261.52	301.26	8,643.21	8,574.48	68.74	125.745		
16,600.00	7,147.46	6,625.00	6,580.63	277.21	28.12	-61.37	-261.52	301.26	8,742.37	8,673.57	68.80	127.068		
16,700.00	7,147.66	6,625.00	6,580.63	280.03	28.12	-61.37	-261.52	301.26	8,841.55	8,772.69	68.87	128.387		
16,800.00	7,147.86	6,625.00	6,580.63	282.84	28.12	-61.37	-261.52	301.26	8,940.75	8,871.82	68.93	129.702		
16,900.00	7,148.05	6,625.00	6,580.63	285.66	28.12	-61.37	-261.52	301.26	9,039.97	8,970.96	69.00	131.012		
17,000.00	7,148.25	6,625.00	6,580.63	288.48	28.12	-61.37	-261.52	301.26	9,139.20	9,070.13	69.07	132.318		
17,100.00	7,148.45	6,625.00	6,580.63	291.29	28.12	-61.37	-261.52	301.26	9,238.45	9,169.31	69.14	133.619		
17,200.00	7,148.64	6,625.00	6,580.63	294.11	28.12	-61.37	-261.52	301.26	9,337.71	9,268.50	69.21	134.917		
17,300.00	7,148.84	6,625.00	6,580.63	296.93	28.12	-61.37	-261.52	301.26	9,436.99	9,367.71	69.28	136.209		
17,400.00	7,149.04	6,625.00	6,580.63	299.75	28.12	-61.37	-261.52	301.26	9,536.29	9,466.93	69.36	137.498		
17,500.00	7,149.23	6,625.00	6,580.63	302.57	28.12	-61.37	-261.52	301.26	9,635.60	9,566.16	69.43	138.781		
17,600.00	7,149.43	6,625.00	6,580.63	305.39	28.12	-61.37	-261.52	301.26	9,734.92	9,665.41	69.51	140.061		
17,700.00	7,149.63	6,625.00	6,580.63	308.21	28.12	-61.37	-261.52	301.26	9,834.26	9,764.68	69.58	141.335		
17,800.00	7,149.82	6,625.00	6,580.63	311.03	28.12	-61.37	-261.52	301.26	9,933.61	9,863.95	69.66	142.605		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	139.00	-582.88	506.70	772.42					
100.00	100.00	91.79	91.78	3.28	3.29	139.09	-583.57	505.66	772.18	765.60	6.57	117.510		
200.00	200.00	195.87	195.77	3.34	3.32	139.41	-585.91	502.04	771.61	764.95	6.65	115.951		
300.00	299.98	306.61	306.43	3.44	3.43	59.82	-586.77	498.45	769.22	762.35	6.87	111.973		
400.00	399.84	435.83	435.54	3.60	3.62	60.37	-582.72	495.10	762.58	755.33	7.25	105.177		
500.00	499.45	563.29	562.56	3.81	3.90	61.34	-574.72	488.42	750.09	742.33	7.76	96.641		
600.00	598.70	660.97	659.72	4.06	4.14	62.45	-566.97	482.03	734.02	725.78	8.24	89.036		
700.00	697.47	839.00	835.36	4.34	4.69	65.18	-546.98	462.47	711.16	701.97	9.20	77.336		
785.50	781.43	912.99	907.67	4.61	4.94	66.92	-535.70	451.63	686.57	676.91	9.67	71.025		
800.00	795.63	923.48	917.95	4.66	4.98	67.12	-534.17	450.20	682.52	672.78	9.74	70.054		
900.00	893.55	997.48	990.72	5.02	5.24	68.54	-524.32	441.08	656.61	646.32	10.29	63.811		
1,000.00	991.47	1,076.12	1,068.43	5.40	5.53	70.16	-515.85	432.44	634.11	623.21	10.91	58.129		
1,100.00	1,089.39	1,172.59	1,163.86	5.80	5.89	72.32	-506.66	421.81	613.45	601.81	11.65	52.668		
1,200.00	1,187.31	1,272.60	1,262.69	6.21	6.29	74.73	-496.50	410.29	592.96	580.52	12.43	47.693		
1,300.00	1,285.22	1,363.72	1,352.79	6.64	6.65	76.98	-486.97	400.64	573.61	560.40	13.21	43.425		
1,400.00	1,383.14	1,458.89	1,446.96	7.08	7.04	79.44	-477.14	391.03	555.63	541.60	14.02	39.619		
1,500.00	1,481.06	1,558.12	1,545.12	7.52	7.45	82.13	-466.41	381.13	538.37	523.49	14.87	36.196		
1,600.00	1,578.98	1,654.13	1,640.01	7.98	7.86	84.86	-455.31	371.65	521.66	505.93	15.73	33.164		
1,700.00	1,676.90	1,744.56	1,729.52	8.44	8.24	87.51	-445.34	363.56	506.96	490.38	16.58	30.573		
1,800.00	1,774.82	1,840.49	1,824.51	8.90	8.65	90.47	-435.07	354.97	493.92	476.46	17.46	28.282		
1,900.00	1,872.74	1,943.76	1,926.66	9.37	9.10	93.81	-423.17	345.57	481.53	463.15	18.38	26.201		
2,000.00	1,970.66	2,029.49	2,011.55	9.84	9.47	96.65	-413.63	338.37	471.12	451.87	19.25	24.474		
2,100.00	2,068.57	2,111.28	2,092.77	10.32	9.82	99.39	-406.40	332.01	464.53	444.43	20.10	23.112		
2,200.00	2,166.49	2,197.61	2,178.73	10.80	10.18	102.22	-400.99	326.26	462.03	441.08	20.95	22.055		
2,220.98	2,187.04	2,215.71	2,196.78	10.90	10.26	102.79	-400.09	325.28	461.95	440.83	21.13	21.867 CC, ES		
2,300.00	2,264.41	2,282.16	2,263.09	11.28	10.53	104.87	-397.66	321.58	463.21	441.44	21.77	21.277		
2,400.00	2,362.33	2,368.31	2,349.11	11.76	10.88	107.47	-396.55	317.27	468.23	445.66	22.57	20.744		
2,500.00	2,460.25	2,468.27	2,449.04	12.24	11.28	110.14	-396.76	314.48	475.55	452.09	23.46	20.274		
2,600.00	2,558.17	2,557.05	2,537.77	12.73	11.63	112.46	-396.76	311.76	483.74	459.49	24.25	19.946		
2,700.00	2,656.09	2,650.92	2,631.59	13.22	11.99	114.65	-398.92	310.07	494.68	469.61	25.07	19.734		
2,800.00	2,754.01	2,766.12	2,746.77	13.71	12.43	116.91	-400.80	310.99	505.07	479.03	26.04	19.393		
2,900.00	2,851.92	2,862.90	2,843.54	14.20	12.83	118.98	-399.79	310.24	513.99	487.09	26.90	19.104		
3,000.00	2,949.84	2,949.81	2,930.45	14.69	13.17	120.70	-400.15	309.90	524.79	497.11	27.68	18.962		
3,100.00	3,047.76	3,056.72	3,037.33	15.18	13.58	122.48	-401.96	311.50	536.61	508.03	28.58	18.774		
3,200.00	3,145.68	3,161.88	3,142.47	15.67	13.99	124.20	-401.90	313.38	547.15	517.67	29.48	18.560		
3,300.00	3,243.60	3,257.15	3,237.73	16.17	14.38	125.84	-401.00	313.95	557.84	527.52	30.32	18.398		
3,400.00	3,341.52	3,351.61	3,332.18	16.66	14.77	127.47	-400.30	313.70	569.57	538.41	31.16	18.279		
3,500.00	3,439.44	3,450.29	3,430.86	17.16	15.18	129.13	-399.52	313.13	581.90	549.87	32.03	18.167		
3,600.00	3,537.36	3,546.67	3,527.23	17.65	15.59	130.72	-398.72	312.17	594.87	561.99	32.88	18.090		
3,700.00	3,635.27	3,645.21	3,625.75	18.15	16.00	132.36	-397.38	310.58	608.20	574.46	33.75	18.022		
3,800.00	3,733.19	3,744.26	3,724.80	18.65	16.40	133.71	-397.49	310.88	622.12	587.52	34.61	17.978		
3,900.00	3,831.11	3,852.43	3,832.94	19.14	16.83	134.98	-397.45	313.25	635.17	599.65	35.52	17.880		
4,000.00	3,929.03	3,948.39	3,928.87	19.64	17.22	136.07	-396.62	315.70	647.62	611.25	36.36	17.810		
4,100.00	4,026.95	4,034.99	4,015.44	20.14	17.56	136.99	-397.10	317.57	661.64	624.52	37.12	17.822		
4,200.00	4,124.87	4,122.72	4,103.14	20.64	17.91	137.85	-399.09	318.72	677.70	639.81	37.89	17.888		
4,300.00	4,222.79	4,212.49	4,192.85	21.14	18.27	138.65	-402.18	319.65	695.00	656.34	38.66	17.978		
4,400.00	4,320.71	4,298.82	4,279.10	21.64	18.62	139.47	-405.64	318.89	714.07	674.68	39.39	18.127		
4,500.00	4,418.62	4,398.08	4,378.27	22.14	19.02	140.53	-408.84	315.85	734.16	693.90	40.26	18.236		
4,600.00	4,516.54	4,517.28	4,497.41	22.64	19.51	141.78	-410.61	313.29	752.63	711.32	41.31	18.219		
4,700.00	4,614.46	4,634.89	4,615.03	23.14	19.99	142.87	-410.56	313.70	768.54	726.22	42.32	18.161		
4,800.00	4,712.38	4,740.33	4,720.44	23.64	20.42	143.76	-409.62	315.88	782.87	739.64	43.23	18.110		
4,900.00	4,810.30	4,841.81	4,821.87	24.14	20.84	144.52	-408.88	318.95	796.81	752.69	44.11	18.063		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,923.92	4,903.95	24.64	21.18	145.14	-408.49	320.66	811.71	766.85	44.86	18.095		
5,100.00	5,006.14	5,009.77	4,989.81	25.14	21.54	145.84	-408.47	320.71	828.48	782.86	45.62	18.162		
5,200.00	5,104.06	5,102.20	5,082.23	25.64	21.92	146.56	-409.19	320.06	846.48	800.06	46.42	18.234		
5,300.00	5,201.97	5,196.97	5,176.99	26.14	22.31	147.25	-410.41	319.31	865.03	817.78	47.25	18.307		
5,400.00	5,299.89	5,286.69	5,266.69	26.64	22.68	147.86	-412.05	318.35	884.26	836.23	48.03	18.409		
5,500.00	5,397.81	5,384.91	5,364.87	27.15	23.09	148.57	-413.56	316.30	904.17	855.27	48.90	18.491		
5,600.00	5,495.73	5,510.22	5,490.17	27.65	23.62	149.48	-413.43	314.42	922.77	872.77	50.01	18.454		
5,700.00	5,593.65	5,610.19	5,590.13	28.15	24.05	150.19	-412.16	314.20	939.77	888.89	50.89	18.468		
5,800.00	5,691.57	5,704.56	5,684.48	28.65	24.45	150.88	-410.43	313.46	957.00	905.27	51.72	18.502		
5,900.00	5,789.49	5,807.79	5,787.70	29.15	24.89	151.53	-409.46	313.39	974.34	921.71	52.63	18.512		
6,000.00	5,887.41	5,906.88	5,886.79	29.66	25.30	152.09	-408.66	314.45	990.99	937.49	53.51	18.521		
6,100.00	5,985.32	5,991.56	5,971.46	30.16	25.66	152.54	-408.74	314.92	1,008.67	954.41	54.26	18.590		
6,200.00	6,083.24	6,082.34	6,062.23	30.66	26.03	152.96	-410.16	314.99	1,027.64	972.58	55.06	18.665		
6,300.00	6,181.16	6,183.88	6,163.58	31.16	26.37	153.34	-408.87	315.40	1,047.59	991.54	55.81	18.739		
6,400.00	6,279.08	6,277.00	6,256.69	31.67	26.71	153.71	-400.65	1,223.51	925.05	876.49	48.56	19.049		
6,490.03	6,367.24	6,360.79	6,340.60	32.12	27.05	154.08	-400.30	1,237.28	862.16	809.83	52.33	16.475		
6,500.00	6,377.01	6,361.85	6,341.66	32.17	27.10	154.13	-400.27	1,238.34	855.48	802.72	52.76	16.214		
6,550.00	6,426.43	6,416.62	6,396.41	32.40	27.34	154.37	-400.19	1,242.11	822.84	767.89	54.95	14.974		
6,600.00	6,476.27	6,466.75	6,446.37	32.61	27.56	154.59	-400.16	1,243.23	791.95	734.80	57.16	13.856		
6,650.00	6,526.21	6,516.08	6,495.63	32.80	27.75	154.78	-400.20	1,241.56	763.25	703.91	59.34	12.863		
6,700.00	6,575.96	6,566.45	6,546.01	32.98	27.91	154.94	-400.31	1,236.94	737.15	675.70	61.45	11.996		
6,750.00	6,625.19	6,615.74	6,595.29	33.16	28.07	155.10	-400.50	1,229.24	714.02	650.58	63.44	11.255		
6,800.00	6,673.62	6,664.82	6,644.38	33.35	28.24	155.26	-400.81	1,217.33	694.17	628.92	65.24	10.639		
6,850.00	6,720.94	6,712.17	6,692.29	33.55	28.42	155.42	-401.28	1,200.71	677.78	610.98	66.80	10.146		
6,900.00	6,766.86	6,758.07	6,737.20	33.76	28.60	155.58	-401.88	1,180.65	664.92	596.84	68.07	9.768		
6,950.00	6,811.10	6,802.63	6,781.52	33.98	28.78	155.74	-402.64	1,157.25	655.54	586.51	69.03	9.497		
7,000.00	6,853.38	6,844.95	6,823.97	34.23	28.97	155.90	-403.56	1,130.62	649.49	579.83	69.66	9.324		
7,050.00	6,893.45	6,885.07	6,864.02	34.50	29.16	156.06	-404.70	1,099.41	646.44	576.44	70.00	9.234		
7,084.02	6,919.32	6,910.96	6,890.98	34.70	29.34	156.22	-405.55	1,076.56	645.89	575.80	70.09	9.216 SF		
7,100.00	6,931.05	6,922.68	6,902.60	34.79	29.38	156.26	-405.98	1,065.40	646.00	575.92	70.08	9.218		
7,150.00	6,965.96	6,957.59	6,937.68	35.12	29.71	156.59	-407.45	1,027.17	647.72	577.79	69.93	9.262		
7,200.00	6,997.96	6,989.59	6,969.00	35.47	30.04	156.92	-408.92	980.58	650.83	581.24	69.59	9.352		
7,250.00	7,026.85	7,018.48	6,997.99	35.86	30.43	157.25	-409.93	931.99	654.69	585.54	69.15	9.467		
7,300.00	7,052.45	7,044.08	6,973.67	36.29	30.86	157.58	-410.30	885.44	659.00	590.28	68.72	9.589		
7,350.00	7,074.61	7,066.24	6,971.96	36.76	31.33	157.91	-410.06	841.78	663.77	595.51	68.26	9.724		
7,400.00	7,093.19	7,084.82	6,964.00	37.27	31.84	158.24	-409.30	800.18	668.95	601.12	67.83	9.863		
7,450.00	7,108.07	7,100.00	6,953.63	37.81	32.40	158.57	-408.12	761.12	674.45	607.07	67.38	10.009		
7,500.00	7,119.17	7,111.10	6,939.95	38.39	33.01	158.90	-406.32	720.55	680.10	613.14	66.95	10.158		
7,550.00	7,126.41	7,096.92	6,924.29	38.99	33.67	159.23	-403.97	681.83	685.64	619.10	66.55	10.303		
7,600.00	7,129.75	7,064.35	6,910.52	39.62	34.38	159.56	-401.86	652.40	691.15	624.75	66.40	10.409		
7,616.41	7,130.00	7,055.15	6,906.35	39.83	34.60	159.70	-401.30	644.22	693.04	626.65	66.40	10.438		
7,700.00	7,130.16	7,010.19	6,884.17	40.97	36.17	160.23	-399.01	605.18	705.36	638.91	66.45	10.615		
7,800.00	7,130.35	6,959.51	6,855.79	42.46	37.85	160.82	-397.18	563.26	726.94	660.41	66.53	10.927		
7,900.00	7,130.55	6,913.05	6,826.87	44.09	39.57	161.41	-396.00	526.93	755.96	689.32	66.64	11.344		
8,000.00	7,130.74	6,866.13	6,795.13	45.84	41.33	162.00	-395.14	492.41	792.22	725.55	66.66	11.884		
8,100.00	7,130.94	6,820.65	6,762.40	47.70	43.10	162.59	-394.08	460.84	834.85	768.20	66.65	12.526		
8,200.00	7,131.13	6,801.00	6,747.71	49.65	44.91	163.18	-393.54	447.81	883.90	816.71	67.19	13.155		
8,300.00	7,131.32	6,762.11	6,717.47	51.70	46.76	163.77	-392.90	423.38	938.67	871.46	67.21	13.966		
8,400.00	7,131.52	6,739.95	6,699.52	53.81	48.64	164.36	-392.96	410.38	999.30	931.77	67.53	14.798		
8,500.00	7,131.71	6,707.00	6,671.95	55.99	50.55	164.95	-393.61	392.37	1,064.98	997.41	67.58	15.760		
8,600.00	7,131.90	6,707.00	6,671.95	58.24	52.41	165.54	-393.61	392.37	1,134.39	1,066.26	68.13	16.650		
8,700.00	7,132.10	6,707.00	6,671.95	60.53	54.26	166.13	-393.61	392.37	1,208.09	1,139.55	68.54	17.625		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,674.70	6,643.92	62.87	28.48	-53.98	-394.99	376.38	1,283.86	1,215.38	68.48	18.749		
8,900.00	7,132.49	6,662.71	6,633.27	65.25	28.43	-53.41	-395.70	370.91	1,362.79	1,294.17	68.63	19.858		
9,000.00	7,132.68	6,651.78	6,623.46	67.68	28.39	-52.89	-396.45	366.16	1,443.99	1,375.24	68.75	21.004		
9,100.00	7,132.87	6,642.00	6,586.99	70.13	28.23	-51.08	-399.95	350.69	1,528.36	1,459.76	68.60	22.279		
9,200.00	7,133.07	6,612.00	6,586.99	72.61	28.23	-51.08	-399.95	350.69	1,612.53	1,543.75	68.78	23.446		
9,300.00	7,133.26	6,612.00	6,586.99	75.13	28.23	-51.08	-399.95	350.69	1,698.42	1,629.51	68.91	24.648		
9,400.00	7,133.46	6,612.00	6,586.99	77.66	28.23	-51.08	-399.95	350.69	1,785.78	1,716.78	69.00	25.880		
9,500.00	7,133.65	6,612.00	6,586.99	80.22	28.23	-51.08	-399.95	350.69	1,874.40	1,805.33	69.07	27.138		
9,600.00	7,133.84	6,612.00	6,586.99	82.80	28.23	-51.08	-399.95	350.69	1,964.12	1,895.00	69.11	28.418		
9,700.00	7,134.04	6,612.00	6,586.99	85.40	28.23	-51.08	-399.95	350.69	2,054.78	1,985.64	69.14	29.718		
9,800.00	7,134.23	6,612.00	6,586.99	88.01	28.23	-51.08	-399.95	350.69	2,146.28	2,077.12	69.16	31.034		
9,900.00	7,134.43	6,612.00	6,586.99	90.64	28.23	-51.08	-399.95	350.69	2,238.50	2,169.33	69.17	32.364		
10,000.00	7,134.62	6,573.73	6,550.90	93.28	28.08	-49.40	-403.61	338.51	2,329.83	2,260.73	69.10	33.718		
10,100.00	7,134.81	6,568.19	6,545.61	95.94	28.05	-49.16	-404.10	336.96	2,422.79	2,353.69	69.10	35.064		
10,200.00	7,135.01	6,563.03	6,540.66	98.61	28.03	-48.93	-404.54	335.57	2,516.23	2,447.14	69.09	36.417		
10,300.00	7,135.20	6,558.21	6,536.03	101.28	28.01	-48.73	-404.95	334.32	2,610.11	2,541.02	69.09	37.778		
10,400.00	7,135.39	6,518.00	6,496.93	103.97	27.85	-47.01	-407.97	325.47	2,705.71	2,636.69	69.02	39.201		
10,500.00	7,135.59	6,518.00	6,496.93	106.67	27.85	-47.01	-407.97	325.47	2,800.05	2,731.01	69.03	40.561		
10,600.00	7,135.78	6,518.00	6,496.93	109.38	27.85	-47.01	-407.97	325.47	2,894.76	2,825.72	69.04	41.928		
10,700.00	7,135.98	6,518.00	6,496.93	112.09	27.85	-47.01	-407.97	325.47	2,989.82	2,920.78	69.05	43.301		
10,800.00	7,136.17	6,518.00	6,496.93	114.81	27.85	-47.01	-407.97	325.47	3,085.20	3,016.15	69.05	44.679		
10,900.00	7,136.36	6,518.00	6,496.93	117.54	27.85	-47.01	-407.97	325.47	3,180.86	3,111.80	69.06	46.062		
11,000.00	7,136.56	6,518.00	6,496.93	120.28	27.85	-47.01	-407.97	325.47	3,276.77	3,207.71	69.06	47.448		
11,100.00	7,136.75	6,518.00	6,496.93	123.02	27.85	-47.01	-407.97	325.47	3,372.93	3,303.87	69.06	48.838		
11,200.00	7,136.95	6,518.00	6,496.93	125.76	27.85	-47.01	-407.97	325.47	3,469.30	3,400.23	69.07	50.231		
11,300.00	7,137.14	6,518.00	6,496.93	128.52	27.85	-47.01	-407.97	325.47	3,565.87	3,496.80	69.07	51.627		
11,400.00	7,137.33	6,518.00	6,496.93	131.27	27.85	-47.01	-407.97	325.47	3,662.63	3,593.55	69.07	53.024		
11,500.00	7,137.53	6,518.00	6,496.93	134.03	27.85	-47.01	-407.97	325.47	3,759.55	3,690.48	69.08	54.424		
11,600.00	7,137.72	6,518.00	6,496.93	136.80	27.85	-47.01	-407.97	325.47	3,856.64	3,787.55	69.09	55.824		
11,700.00	7,137.92	6,518.00	6,496.93	139.57	27.85	-47.01	-407.97	325.47	3,953.87	3,884.77	69.09	57.226		
11,800.00	7,138.11	6,518.00	6,496.93	142.34	27.85	-47.01	-407.97	325.47	4,051.23	3,982.13	69.10	58.628		
11,900.00	7,138.30	6,518.00	6,496.93	145.12	27.85	-47.01	-407.97	325.47	4,148.72	4,079.61	69.11	60.031		
12,000.00	7,138.50	6,518.00	6,496.93	147.90	27.85	-47.01	-407.97	325.47	4,246.32	4,177.20	69.12	61.435		
12,100.00	7,138.69	6,518.00	6,496.93	150.68	27.85	-47.01	-407.97	325.47	4,344.04	4,274.91	69.13	62.838		
12,200.00	7,138.88	6,518.00	6,496.93	153.47	27.85	-47.01	-407.97	325.47	4,441.85	4,372.71	69.14	64.241		
12,300.00	7,139.08	6,518.00	6,496.93	156.26	27.85	-47.01	-407.97	325.47	4,539.76	4,470.61	69.16	65.644		
12,400.00	7,139.27	6,518.00	6,496.93	159.05	27.85	-47.01	-407.97	325.47	4,637.76	4,568.59	69.17	67.046		
12,500.00	7,139.47	6,518.00	6,496.93	161.85	27.85	-47.01	-407.97	325.47	4,735.85	4,666.66	69.19	68.447		
12,600.00	7,139.66	6,518.00	6,496.93	164.64	27.85	-47.01	-407.97	325.47	4,834.01	4,764.80	69.21	69.848		
12,700.00	7,139.85	6,518.00	6,496.93	167.44	27.85	-47.01	-407.97	325.47	4,932.25	4,863.02	69.23	71.247		
12,800.00	7,140.05	6,518.00	6,496.93	170.24	27.85	-47.01	-407.97	325.47	5,030.55	4,961.30	69.25	72.646		
12,900.00	7,140.24	6,518.00	6,496.93	173.05	27.85	-47.01	-407.97	325.47	5,128.92	5,059.65	69.27	74.043		
13,000.00	7,140.44	6,518.00	6,496.93	175.85	27.85	-47.01	-407.97	325.47	5,227.36	5,158.06	69.29	75.438		
13,100.00	7,140.63	6,518.00	6,496.93	178.66	27.85	-47.01	-407.97	325.47	5,325.85	5,256.53	69.32	76.832		
13,200.00	7,140.82	6,478.33	6,457.83	181.47	27.69	-45.37	-410.25	319.22	5,423.28	5,353.93	69.36	78.196		
13,300.00	7,141.02	6,476.68	6,456.19	184.28	27.68	-45.31	-410.33	319.00	5,521.79	5,452.40	69.38	79.583		
13,400.00	7,141.21	6,475.08	6,454.60	187.10	27.67	-45.24	-410.40	318.80	5,620.34	5,550.93	69.41	80.969		
13,500.00	7,141.41	6,473.53	6,453.07	189.91	27.67	-45.18	-410.48	318.60	5,718.94	5,649.50	69.44	82.353		
13,600.00	7,141.60	6,472.03	6,451.58	192.73	27.66	-45.12	-410.54	318.41	5,817.59	5,748.11	69.48	83.735		
13,700.00	7,141.79	6,470.57	6,450.14	195.54	27.65	-45.06	-410.61	318.23	5,916.28	5,846.77	69.51	85.114		
13,800.00	7,141.99	6,469.16	6,448.74	198.36	27.65	-45.00	-410.67	318.06	6,015.01	5,945.46	69.54	86.492		
13,900.00	7,142.18	6,467.79	6,447.38	201.18	27.64	-44.95	-410.73	317.90	6,113.78	6,044.20	69.58	87.867		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,466.47	6,446.06	204.01	27.64	-44.89	-410.78	317.74	6,212.58	6,142.96	69.62	89.239		
14,100.00	7,142.57	6,425.00	6,404.79	206.83	27.47	-43.25	-412.10	314.03	6,312.55	6,242.90	69.65	90.631		
14,200.00	7,142.76	6,425.00	6,404.79	209.65	27.47	-43.25	-412.10	314.03	6,411.35	6,341.66	69.69	91.997		
14,300.00	7,142.96	6,425.00	6,404.79	212.48	27.47	-43.25	-412.10	314.03	6,510.19	6,440.46	69.73	93.361		
14,400.00	7,143.15	6,425.00	6,404.79	215.30	27.47	-43.25	-412.10	314.03	6,609.07	6,539.29	69.77	94.722		
14,500.00	7,143.34	6,425.00	6,404.79	218.13	27.47	-43.25	-412.10	314.03	6,707.98	6,638.16	69.82	96.080		
14,600.00	7,143.54	6,425.00	6,404.79	220.96	27.47	-43.25	-412.10	314.03	6,806.92	6,737.06	69.86	97.435		
14,700.00	7,143.73	6,425.00	6,404.79	223.79	27.47	-43.25	-412.10	314.03	6,905.89	6,835.98	69.91	98.788		
14,800.00	7,143.93	6,425.00	6,404.79	226.62	27.47	-43.25	-412.10	314.03	7,004.89	6,934.93	69.95	100.138		
14,838.32	7,144.00	6,425.00	6,404.79	227.70	27.47	-43.25	-412.10	314.03	7,042.83	6,972.86	69.97	100.655		
14,900.00	7,144.12	6,425.00	6,404.79	229.45	27.47	-49.03	-412.10	314.03	7,103.85	7,033.85	70.00	101.486		
15,000.00	7,144.32	6,425.00	6,404.79	232.26	27.47	-56.24	-412.10	314.03	7,202.46	7,132.42	70.04	102.835		
15,027.81	7,144.37	6,425.00	6,404.79	233.04	27.47	-57.87	-412.10	314.03	7,229.80	7,159.75	70.05	103.211		
15,100.00	7,144.51	6,425.00	6,404.79	235.07	27.47	-57.87	-412.10	314.03	7,300.75	7,230.67	70.08	104.184		
15,200.00	7,144.71	6,425.00	6,404.79	237.87	27.47	-57.87	-412.10	314.03	7,399.06	7,328.95	70.11	105.528		
15,300.00	7,144.91	6,425.00	6,404.79	240.68	27.47	-57.87	-412.10	314.03	7,497.42	7,427.27	70.15	106.870		
15,400.00	7,145.10	6,425.00	6,404.79	243.48	27.47	-57.87	-412.10	314.03	7,595.83	7,525.63	70.20	108.209		
15,500.00	7,145.30	6,425.00	6,404.79	246.29	27.47	-57.87	-412.10	314.03	7,694.27	7,624.03	70.24	109.544		
15,600.00	7,145.50	6,425.00	6,404.79	249.10	27.47	-57.87	-412.10	314.03	7,792.75	7,722.47	70.28	110.877		
15,700.00	7,145.69	6,425.00	6,404.79	251.91	27.47	-57.87	-412.10	314.03	7,891.27	7,820.94	70.33	112.206		
15,800.00	7,145.89	6,425.00	6,404.79	254.71	27.47	-57.87	-412.10	314.03	7,989.83	7,919.45	70.38	113.532		
15,900.00	7,146.09	6,425.00	6,404.79	257.52	27.47	-57.87	-412.10	314.03	8,088.42	8,018.00	70.42	114.855		
16,000.00	7,146.28	6,425.00	6,404.79	260.34	27.47	-57.87	-412.10	314.03	8,187.05	8,116.58	70.47	116.174		
16,100.00	7,146.48	6,425.00	6,404.79	263.15	27.47	-57.87	-412.10	314.03	8,285.71	8,215.19	70.52	117.491		
16,200.00	7,146.68	6,425.00	6,404.79	265.96	27.47	-57.87	-412.10	314.03	8,384.40	8,313.83	70.57	118.803		
16,300.00	7,146.87	6,425.00	6,404.79	268.77	27.47	-57.87	-412.10	314.03	8,483.13	8,412.50	70.63	120.112		
16,400.00	7,147.07	6,425.00	6,404.79	271.58	27.47	-57.87	-412.10	314.03	8,581.88	8,511.20	70.68	121.418		
16,500.00	7,147.27	6,425.00	6,404.79	274.40	27.47	-57.87	-412.10	314.03	8,680.66	8,609.92	70.74	122.720		
16,600.00	7,147.46	6,425.00	6,404.79	277.21	27.47	-57.87	-412.10	314.03	8,779.47	8,708.67	70.79	124.018		
16,700.00	7,147.66	6,425.00	6,404.79	280.03	27.47	-57.87	-412.10	314.03	8,878.30	8,807.45	70.85	125.313		
16,800.00	7,147.86	6,425.00	6,404.79	282.84	27.47	-57.87	-412.10	314.03	8,977.16	8,906.25	70.91	126.604		
16,900.00	7,148.05	6,425.00	6,404.79	285.66	27.47	-57.87	-412.10	314.03	9,076.05	9,005.08	70.97	127.891		
17,000.00	7,148.25	6,425.00	6,404.79	288.48	27.47	-57.87	-412.10	314.03	9,174.96	9,103.93	71.03	129.175		
17,100.00	7,148.45	6,425.00	6,404.79	291.29	27.47	-57.87	-412.10	314.03	9,273.89	9,202.80	71.09	130.454		
17,200.00	7,148.64	6,425.00	6,404.79	294.11	27.47	-57.87	-412.10	314.03	9,372.85	9,301.70	71.15	131.730		
17,300.00	7,148.84	6,425.00	6,404.79	296.93	27.47	-57.87	-412.10	314.03	9,471.82	9,400.61	71.22	133.002		
17,400.00	7,149.04	6,425.00	6,404.79	299.75	27.47	-57.87	-412.10	314.03	9,570.82	9,499.54	71.28	134.270		
17,500.00	7,149.23	6,425.00	6,404.79	302.57	27.47	-57.87	-412.10	314.03	9,669.84	9,598.50	71.35	135.534		
17,600.00	7,149.43	6,425.00	6,404.79	305.39	27.47	-57.87	-412.10	314.03	9,768.88	9,697.47	71.41	136.794		
17,700.00	7,149.63	6,425.00	6,404.79	308.21	27.47	-57.87	-412.10	314.03	9,867.94	9,796.46	71.48	138.050		
17,800.00	7,149.82	6,425.00	6,404.79	311.03	27.47	-57.87	-412.10	314.03	9,967.02	9,895.47	71.55	139.302		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	139.97	-602.93	506.43	787.47					
100.00	100.00	75.31	75.31	3.28	3.28	139.98	-603.52	506.74	788.17	781.60	6.57	119.961		
200.00	200.00	168.86	168.82	3.34	3.31	140.03	-605.78	507.85	790.75	784.10	6.65	118.934		
300.00	299.98	293.79	293.73	3.44	3.42	60.29	-607.86	507.27	790.86	784.00	6.87	115.157		
400.00	399.84	432.98	432.77	3.60	3.64	61.17	-607.48	501.34	785.45	778.18	7.27	108.002		
500.00	499.45	558.32	557.43	3.81	3.92	62.72	-605.32	488.61	773.54	765.76	7.78	99.438		
600.00	598.70	651.35	649.74	4.06	4.15	64.34	-603.64	477.19	759.18	750.93	8.25	92.060		
700.00	697.47	726.84	724.59	4.34	4.37	66.03	-604.13	467.48	745.60	736.88	8.71	85.559		
785.50	781.43	781.89	779.20	4.61	4.53	67.46	-606.48	460.90	736.41	727.28	9.14	80.609		
800.00	795.63	795.00	792.20	4.66	4.57	67.78	-607.31	459.43	735.16	725.93	9.23	79.691		
900.00	893.55	861.59	858.15	5.02	4.79	69.45	-612.94	452.24	729.04	719.26	9.79	74.494		
1,000.00	991.47	939.89	935.57	5.40	5.06	71.48	-621.76	444.51	727.18	716.75	10.43	69.737		
1,009.77	1,001.03	948.06	943.65	5.43	5.09	71.68	-622.71	443.79	727.16	716.67	10.49	69.296 CC, ES		
1,100.00	1,089.39	1,019.12	1,014.00	5.80	5.34	73.42	-631.28	438.52	728.45	717.35	11.10	65.634		
1,200.00	1,187.31	1,093.33	1,087.47	6.21	5.60	75.10	-641.22	435.43	733.52	721.75	11.77	62.338		
1,300.00	1,285.22	1,170.00	1,163.21	6.64	5.88	76.68	-653.03	434.82	742.61	730.16	12.45	59.647		
1,400.00	1,383.14	1,252.59	1,244.59	7.08	6.18	78.27	-667.07	435.72	754.71	741.55	13.16	57.330		
1,500.00	1,481.06	1,338.24	1,328.80	7.52	6.51	79.90	-682.70	436.64	768.83	754.92	13.90	55.292		
1,600.00	1,578.98	1,427.40	1,416.22	7.98	6.86	81.61	-700.21	437.01	784.85	770.18	14.68	53.480		
1,700.00	1,676.90	1,516.36	1,503.31	8.44	7.23	83.28	-718.39	437.20	802.38	786.92	15.46	51.912		
1,800.00	1,774.82	1,608.61	1,593.49	8.90	7.62	84.94	-737.81	437.55	821.30	805.03	16.27	50.491		
1,900.00	1,872.74	1,700.38	1,683.17	9.37	8.02	86.51	-757.28	438.08	841.14	824.06	17.08	49.242		
2,000.00	1,970.66	1,798.27	1,778.72	9.84	8.46	88.11	-778.50	438.88	862.13	844.18	17.95	48.042		
2,100.00	2,068.57	1,905.60	1,883.84	10.32	8.94	89.75	-800.14	439.94	882.25	863.37	18.88	46.730		
2,200.00	2,166.49	2,008.96	1,985.23	10.80	9.41	91.26	-820.22	440.72	902.22	882.42	19.80	45.576		
2,300.00	2,264.41	2,104.14	2,078.69	11.28	9.85	92.67	-838.21	440.11	922.07	901.41	20.66	44.621		
2,400.00	2,362.33	2,203.16	2,175.92	11.76	10.30	94.03	-856.97	440.25	942.56	921.00	21.56	43.711		
2,500.00	2,460.25	2,298.28	2,269.38	12.24	10.74	95.27	-874.63	440.48	963.16	940.72	22.44	42.922		
2,600.00	2,558.17	2,394.99	2,364.38	12.73	11.19	96.57	-892.72	439.39	984.31	960.98	23.33	42.188		
2,700.00	2,656.09	2,496.98	2,464.65	13.22	11.67	97.85	-911.38	438.60	1,005.53	981.27	24.26	41.441		
2,800.00	2,754.01	2,593.13	2,559.24	13.71	12.12	98.98	-928.59	438.40	1,026.78	1,001.62	25.16	40.815		
2,900.00	2,851.92	2,695.48	2,659.99	14.20	12.60	100.13	-946.61	438.28	1,048.12	1,022.02	26.10	40.162		
3,000.00	2,949.84	2,784.50	2,747.62	14.69	13.02	101.19	-962.17	436.35	1,069.80	1,042.86	26.94	39.708		
3,100.00	3,047.76	2,871.93	2,833.56	15.18	13.44	102.25	-977.94	433.37	1,092.53	1,064.76	27.77	39.337		
3,200.00	3,145.68	2,964.60	2,924.58	15.67	13.88	103.31	-995.11	430.53	1,116.13	1,087.48	28.65	38.960		
3,300.00	3,243.60	3,063.17	3,021.41	16.17	14.35	104.38	-1,013.38	428.00	1,140.05	1,110.48	29.57	38.554		
3,400.00	3,341.52	3,157.03	3,113.64	16.66	14.81	105.31	-1,030.72	426.23	1,164.16	1,133.70	30.46	38.224		
3,500.00	3,439.44	3,253.56	3,208.48	17.16	15.27	106.23	-1,048.62	424.67	1,188.60	1,157.23	31.36	37.896		
3,600.00	3,537.36	3,353.10	3,316.22	17.65	15.80	107.17	-1,068.40	423.93	1,212.70	1,180.32	32.38	37.453		
3,700.00	3,635.27	3,460.10	3,411.70	18.15	16.26	107.94	-1,085.47	424.14	1,236.46	1,203.17	33.29	37.138		
3,800.00	3,733.19	3,561.16	3,511.22	18.65	16.74	108.70	-1,103.08	424.69	1,260.19	1,225.95	34.24	36.804		
3,900.00	3,831.11	3,670.11	3,618.64	19.14	17.26	109.48	-1,121.21	425.55	1,283.30	1,248.05	35.25	36.407		
4,000.00	3,929.03	3,758.91	3,706.33	19.64	17.68	110.17	-1,135.16	424.63	1,306.10	1,270.01	36.10	36.182		
4,100.00	4,026.95	3,829.57	3,775.93	20.14	18.02	110.75	-1,147.17	422.66	1,330.67	1,293.87	36.80	36.162		
4,200.00	4,124.87	3,912.17	3,857.11	20.64	18.42	111.41	-1,162.23	419.96	1,356.74	1,319.15	37.59	36.093		
4,300.00	4,222.79	3,995.59	3,938.94	21.14	18.83	112.07	-1,178.08	416.91	1,383.86	1,345.47	38.39	36.048		
4,400.00	4,320.71	4,086.39	4,027.93	21.64	19.27	112.77	-1,195.79	413.25	1,411.76	1,372.50	39.26	35.963		
4,500.00	4,418.62	4,169.94	4,109.73	22.14	19.69	113.37	-1,212.51	410.15	1,440.25	1,400.20	40.05	35.957		
4,600.00	4,516.54	4,272.15	4,209.72	22.64	20.20	114.07	-1,233.40	406.59	1,469.28	1,428.25	41.03	35.809		
4,700.00	4,614.46	4,380.93	4,316.33	23.14	20.73	114.76	-1,254.81	403.56	1,497.55	1,455.49	42.07	35.600		
4,800.00	4,712.38	4,460.54	4,394.32	23.64	21.13	115.23	-1,270.67	401.87	1,526.02	1,483.18	42.83	35.628		
4,900.00	4,810.30	4,545.78	4,477.62	24.14	21.56	115.66	-1,288.75	401.16	1,555.40	1,511.75	43.65	35.631		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,533.00	6,428.13	62.87	31.25	-70.15	-1,656.53	430.52	2,302.86	2,218.16	84.70	27.189		
8,900.00	7,132.49	6,533.00	6,428.13	65.25	31.25	-70.15	-1,656.53	430.52	2,351.33	2,265.38	85.95	27.357		
9,000.00	7,132.68	6,533.00	6,428.13	67.68	31.25	-70.15	-1,656.53	430.52	2,402.99	2,315.87	87.11	27.584		
9,100.00	7,132.87	6,533.00	6,428.13	70.13	31.25	-70.15	-1,656.53	430.52	2,457.63	2,369.44	88.19	27.867		
9,200.00	7,133.07	6,533.00	6,428.13	72.61	31.25	-70.15	-1,656.53	430.52	2,515.06	2,425.88	89.19	28.200		
9,300.00	7,133.26	6,533.00	6,428.13	75.13	31.25	-70.15	-1,656.53	430.52	2,575.10	2,485.00	90.10	28.580		
9,400.00	7,133.46	6,498.30	6,395.06	77.66	31.09	-69.21	-1,649.91	422.36	2,636.54	2,545.94	90.60	29.101		
9,500.00	7,133.65	6,493.87	6,390.81	80.22	31.07	-69.09	-1,649.08	421.47	2,700.96	2,609.63	91.33	29.573		
9,600.00	7,133.84	6,489.77	6,386.85	82.80	31.05	-68.98	-1,648.31	420.68	2,767.47	2,675.47	92.01	30.080		
9,700.00	7,134.04	6,485.96	6,383.18	85.40	31.03	-68.88	-1,647.60	419.97	2,835.92	2,743.30	92.62	30.619		
9,800.00	7,134.23	6,482.41	6,379.75	88.01	31.02	-68.78	-1,646.94	419.34	2,906.17	2,812.99	93.18	31.189		
9,900.00	7,134.43	6,479.10	6,376.55	90.64	31.00	-68.69	-1,646.32	418.76	2,978.11	2,884.41	93.69	31.786		
10,000.00	7,134.62	6,440.00	6,338.47	93.28	30.83	-67.63	-1,639.21	413.48	3,052.78	2,958.98	93.80	32.546		
10,100.00	7,134.81	6,440.00	6,338.47	95.94	30.83	-67.63	-1,639.21	413.48	3,127.56	3,033.30	94.26	33.180		
10,200.00	7,135.01	6,440.00	6,338.47	98.61	30.83	-67.63	-1,639.21	413.48	3,203.71	3,109.04	94.68	33.838		
10,300.00	7,135.20	6,440.00	6,338.47	101.28	30.83	-67.63	-1,639.21	413.48	3,281.15	3,186.09	95.06	34.517		
10,400.00	7,135.39	6,440.00	6,338.47	103.97	30.83	-67.63	-1,639.21	413.48	3,359.78	3,264.37	95.41	35.215		
10,500.00	7,135.59	6,440.00	6,338.47	106.67	30.83	-67.63	-1,639.21	413.48	3,439.51	3,343.79	95.72	35.932		
10,600.00	7,135.78	6,440.00	6,338.47	109.38	30.83	-67.63	-1,639.21	413.48	3,520.28	3,424.27	96.01	36.665		
10,700.00	7,135.98	6,440.00	6,338.47	112.09	30.83	-67.63	-1,639.21	413.48	3,602.02	3,505.75	96.27	37.414		
10,800.00	7,136.17	6,440.00	6,338.47	114.81	30.83	-67.63	-1,639.21	413.48	3,684.66	3,588.14	96.51	38.177		
10,900.00	7,136.36	6,440.00	6,338.47	117.54	30.83	-67.63	-1,639.21	413.48	3,768.14	3,671.40	96.73	38.954		
11,000.00	7,136.56	6,440.00	6,338.47	120.28	30.83	-67.63	-1,639.21	413.48	3,852.40	3,755.47	96.93	39.743		
11,100.00	7,136.75	6,440.00	6,338.47	123.02	30.83	-67.63	-1,639.21	413.48	3,937.40	3,840.29	97.12	40.543		
11,200.00	7,136.95	6,440.00	6,338.47	125.76	30.83	-67.63	-1,639.21	413.48	4,023.10	3,925.81	97.28	41.355		
11,300.00	7,137.14	6,440.00	6,338.47	128.52	30.83	-67.63	-1,639.21	413.48	4,109.43	4,012.00	97.44	42.176		
11,400.00	7,137.33	6,440.00	6,338.47	131.27	30.83	-67.63	-1,639.21	413.48	4,196.38	4,098.80	97.58	43.006		
11,500.00	7,137.53	6,440.00	6,338.47	134.03	30.83	-67.63	-1,639.21	413.48	4,283.90	4,186.19	97.70	43.845		
11,600.00	7,137.72	6,440.00	6,338.47	136.80	30.83	-67.63	-1,639.21	413.48	4,371.95	4,274.12	97.82	44.693		
11,700.00	7,137.92	6,440.00	6,338.47	139.57	30.83	-67.63	-1,639.21	413.48	4,460.50	4,362.57	97.93	45.547		
11,800.00	7,138.11	6,440.00	6,338.47	142.34	30.83	-67.63	-1,639.21	413.48	4,549.53	4,451.50	98.03	46.409		
11,900.00	7,138.30	6,440.00	6,338.47	145.12	30.83	-67.63	-1,639.21	413.48	4,639.00	4,540.88	98.12	47.277		
12,000.00	7,138.50	6,440.00	6,338.47	147.90	30.83	-67.63	-1,639.21	413.48	4,728.90	4,630.69	98.21	48.151		
12,100.00	7,138.69	6,440.00	6,338.47	150.68	30.83	-67.63	-1,639.21	413.48	4,819.20	4,720.91	98.29	49.031		
12,200.00	7,138.88	6,440.00	6,338.47	153.47	30.83	-67.63	-1,639.21	413.48	4,909.87	4,811.51	98.36	49.917		
12,300.00	7,139.08	6,440.00	6,338.47	156.26	30.83	-67.63	-1,639.21	413.48	5,000.90	4,902.47	98.43	50.807		
12,400.00	7,139.27	6,440.00	6,338.47	159.05	30.83	-67.63	-1,639.21	413.48	5,092.26	4,993.77	98.49	51.702		
12,500.00	7,139.47	6,440.00	6,338.47	161.85	30.83	-67.63	-1,639.21	413.48	5,183.94	5,085.39	98.55	52.601		
12,600.00	7,139.66	6,440.00	6,338.47	164.64	30.83	-67.63	-1,639.21	413.48	5,275.93	5,177.32	98.61	53.504		
12,700.00	7,139.85	6,440.00	6,338.47	167.44	30.83	-67.63	-1,639.21	413.48	5,368.20	5,269.54	98.66	54.411		
12,800.00	7,140.05	6,440.00	6,338.47	170.24	30.83	-67.63	-1,639.21	413.48	5,460.74	5,362.04	98.71	55.322		
12,900.00	7,140.24	6,440.00	6,338.47	173.05	30.83	-67.63	-1,639.21	413.48	5,553.55	5,454.79	98.75	56.236		
13,000.00	7,140.44	6,440.00	6,338.47	175.85	30.83	-67.63	-1,639.21	413.48	5,646.59	5,547.80	98.80	57.153		
13,100.00	7,140.63	6,440.00	6,338.47	178.66	30.83	-67.63	-1,639.21	413.48	5,739.88	5,641.04	98.84	58.073		
13,200.00	7,140.82	6,440.00	6,338.47	181.47	30.83	-67.63	-1,639.21	413.48	5,833.38	5,734.50	98.88	58.996		
13,300.00	7,141.02	6,440.00	6,338.47	184.28	30.83	-67.63	-1,639.21	413.48	5,927.10	5,828.18	98.92	59.921		
13,400.00	7,141.21	6,440.00	6,338.47	187.10	30.83	-67.63	-1,639.21	413.48	6,021.02	5,922.06	98.95	60.848		
13,500.00	7,141.41	6,440.00	6,338.47	189.91	30.83	-67.63	-1,639.21	413.48	6,115.13	6,016.14	98.99	61.778		
13,600.00	7,141.60	6,440.00	6,338.47	192.73	30.83	-67.63	-1,639.21	413.48	6,209.42	6,110.40	99.02	62.709		
13,700.00	7,141.79	6,440.00	6,338.47	195.54	30.83	-67.63	-1,639.21	413.48	6,303.89	6,204.84	99.05	63.643		
13,800.00	7,141.99	6,440.00	6,338.47	198.36	30.83	-67.63	-1,639.21	413.48	6,398.53	6,299.45	99.08	64.578		
13,900.00	7,142.18	6,440.00	6,338.47	201.18	30.83	-67.63	-1,639.21	413.48	6,493.33	6,394.22	99.11	65.514		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,440.00	6,338.47	204.01	30.83	-67.63	-1,639.21	413.48	6,588.29	6,489.15	99.14	66.452		
14,100.00	7,142.57	6,440.00	6,338.47	206.83	30.83	-67.63	-1,639.21	413.48	6,683.39	6,584.22	99.17	67.392		
14,200.00	7,142.76	6,401.10	6,300.34	209.65	30.64	-66.58	-1,632.33	410.13	6,777.98	6,679.06	98.92	68.520		
14,300.00	7,142.96	6,399.86	6,299.12	212.48	30.64	-66.54	-1,632.11	410.04	6,873.32	6,774.37	98.94	69.469		
14,400.00	7,143.15	6,398.65	6,297.93	215.30	30.63	-66.51	-1,631.90	409.96	6,968.78	6,869.82	98.96	70.420		
14,500.00	7,143.34	6,397.46	6,296.76	218.13	30.62	-66.48	-1,631.69	409.87	7,064.37	6,965.39	98.98	71.371		
14,600.00	7,143.54	6,396.30	6,295.63	220.96	30.62	-66.45	-1,631.49	409.79	7,160.08	7,061.08	99.00	72.323		
14,700.00	7,143.73	6,395.17	6,294.52	223.79	30.61	-66.42	-1,631.29	409.72	7,255.90	7,156.88	99.02	73.276		
14,800.00	7,143.93	6,394.07	6,293.43	226.62	30.61	-66.39	-1,631.10	409.64	7,351.84	7,252.80	99.04	74.230		
14,838.32	7,144.00	6,393.65	6,293.02	227.70	30.61	-66.38	-1,631.03	409.62	7,388.63	7,289.58	99.05	74.596		
14,900.00	7,144.12	6,393.01	6,292.39	229.45	30.60	-67.95	-1,630.92	409.57	7,447.70	7,348.64	99.06	75.183		
15,000.00	7,144.32	6,392.06	6,291.46	232.26	30.60	-70.13	-1,630.75	409.51	7,542.80	7,443.72	99.07	76.132		
15,027.81	7,144.37	6,391.82	6,291.22	233.04	30.60	-70.66	-1,630.71	409.49	7,569.08	7,470.00	99.08	76.396		
15,100.00	7,144.51	6,391.20	6,290.62	235.07	30.59	-70.65	-1,630.60	409.45	7,637.25	7,538.17	99.08	77.078		
15,200.00	7,144.71	6,390.37	6,289.79	237.87	30.59	-70.63	-1,630.45	409.40	7,731.81	7,632.71	99.10	78.023		
15,300.00	7,144.91	6,389.55	6,288.99	240.68	30.59	-70.61	-1,630.31	409.35	7,826.50	7,727.39	99.11	78.970		
15,400.00	7,145.10	6,388.75	6,288.21	243.48	30.58	-70.59	-1,630.17	409.30	7,921.32	7,822.20	99.12	79.917		
15,500.00	7,145.30	6,387.97	6,287.44	246.29	30.58	-70.57	-1,630.04	409.25	8,016.27	7,917.14	99.13	80.865		
15,600.00	7,145.50	6,387.20	6,286.69	249.10	30.58	-70.56	-1,629.90	409.20	8,111.33	8,012.19	99.14	81.813		
15,700.00	7,145.69	6,386.45	6,285.95	251.91	30.57	-70.54	-1,629.77	409.16	8,206.52	8,107.36	99.16	82.763		
15,800.00	7,145.89	6,385.72	6,285.23	254.71	30.57	-70.52	-1,629.64	409.11	8,301.81	8,202.64	99.17	83.712		
15,900.00	7,146.09	6,385.00	6,284.52	257.52	30.56	-70.51	-1,629.52	409.07	8,397.22	8,298.03	99.19	84.662		
16,000.00	7,146.28	6,345.00	6,245.16	260.34	30.37	-69.61	-1,622.62	407.23	8,493.38	8,394.45	98.92	85.857		
16,100.00	7,146.48	6,345.00	6,245.16	263.15	30.37	-69.61	-1,622.62	407.23	8,588.97	8,490.02	98.95	86.805		
16,200.00	7,146.68	6,345.00	6,245.16	265.96	30.37	-69.61	-1,622.62	407.23	8,684.66	8,585.69	98.97	87.753		
16,300.00	7,146.87	6,345.00	6,245.16	268.77	30.37	-69.61	-1,622.62	407.23	8,780.44	8,681.45	98.99	88.702		
16,400.00	7,147.07	6,345.00	6,245.16	271.58	30.37	-69.61	-1,622.62	407.23	8,876.32	8,777.31	99.01	89.650		
16,500.00	7,147.27	6,345.00	6,245.16	274.40	30.37	-69.61	-1,622.62	407.23	8,972.29	8,873.25	99.03	90.599		
16,600.00	7,147.46	6,345.00	6,245.16	277.21	30.37	-69.61	-1,622.62	407.23	9,068.34	8,969.29	99.06	91.547		
16,700.00	7,147.66	6,345.00	6,245.16	280.03	30.37	-69.61	-1,622.62	407.23	9,164.48	9,065.40	99.08	92.496		
16,800.00	7,147.86	6,345.00	6,245.16	282.84	30.37	-69.61	-1,622.62	407.23	9,260.70	9,161.60	99.10	93.444		
16,900.00	7,148.05	6,345.00	6,245.16	285.66	30.37	-69.61	-1,622.62	407.23	9,357.00	9,257.87	99.13	94.392		
17,000.00	7,148.25	6,345.00	6,245.16	288.48	30.37	-69.61	-1,622.62	407.23	9,453.38	9,354.22	99.15	95.339		
17,100.00	7,148.45	6,345.00	6,245.16	291.29	30.37	-69.61	-1,622.62	407.23	9,549.83	9,450.65	99.18	96.287		
17,200.00	7,148.64	6,345.00	6,245.16	294.11	30.37	-69.61	-1,622.62	407.23	9,646.35	9,547.15	99.21	97.234		
17,300.00	7,148.84	6,345.00	6,245.16	296.93	30.37	-69.61	-1,622.62	407.23	9,742.95	9,643.71	99.24	98.180		
17,400.00	7,149.04	6,345.00	6,245.16	299.75	30.37	-69.61	-1,622.62	407.23	9,839.61	9,740.35	99.26	99.127		
17,500.00	7,149.23	6,345.00	6,245.16	302.57	30.37	-69.61	-1,622.62	407.23	9,936.34	9,837.05	99.29	100.072		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	145.76	-742.81	505.60	898.62					
100.00	100.00	95.53	95.53	3.28	3.29	145.76	-742.52	505.41	898.23	891.66	6.57	136.683		
200.00	200.00	202.85	202.84	3.34	3.31	145.76	-741.50	504.74	897.09	890.45	6.65	134.937		
300.00	299.98	313.78	313.75	3.44	3.38	65.89	-739.33	503.83	894.31	887.48	6.83	130.919		
400.00	399.84	432.50	432.34	3.60	3.55	66.18	-734.00	503.73	888.42	881.26	7.16	124.041		
500.00	499.45	534.04	533.72	3.81	3.74	66.69	-728.28	503.06	879.87	872.31	7.56	116.419		
600.00	598.70	611.34	610.95	4.06	3.92	67.40	-725.59	501.77	871.23	863.26	7.96	109.407		
700.00	697.47	691.54	691.12	4.34	4.11	68.42	-725.42	499.66	863.68	855.24	8.44	102.331		
785.50	781.43	758.61	758.10	4.61	4.29	69.54	-727.52	496.72	858.17	849.29	8.89	96.545		
800.00	795.63	769.77	769.21	4.66	4.32	69.74	-728.10	496.10	857.37	848.40	8.97	95.600		
900.00	893.55	852.40	851.40	5.02	4.56	71.33	-734.22	490.21	853.43	843.87	9.56	89.293		
1,000.00	991.47	939.51	937.67	5.40	4.82	73.21	-742.78	481.75	851.47	841.26	10.21	83.436		
1,033.63	1,024.39	967.58	965.37	5.53	4.92	73.86	-746.01	478.52	851.32	840.90	10.43	81.636 CC, ES		
1,100.00	1,089.39	1,023.09	1,019.97	5.80	5.10	75.20	-753.11	471.44	851.90	841.02	10.88	78.291		
1,200.00	1,187.31	1,107.91	1,103.17	6.21	5.41	77.31	-764.98	460.01	854.85	843.26	11.59	73.729		
1,300.00	1,285.22	1,192.78	1,186.21	6.64	5.73	79.45	-777.85	448.16	860.27	847.94	12.33	69.765		
1,400.00	1,383.14	1,279.25	1,270.62	7.08	6.07	81.65	-791.81	435.64	868.07	854.98	13.09	66.295		
1,500.00	1,481.06	1,377.11	1,365.98	7.52	6.48	84.15	-807.87	420.61	877.59	863.66	13.93	63.017		
1,600.00	1,578.98	1,476.24	1,462.59	7.98	6.91	86.66	-823.47	404.81	888.07	873.28	14.78	60.075		
1,700.00	1,676.90	1,587.17	1,571.05	8.44	7.39	89.34	-839.19	387.62	898.81	883.10	15.71	57.214		
1,800.00	1,774.82	1,688.90	1,671.08	8.90	7.84	91.61	-851.70	373.99	909.57	892.98	16.60	54.807		
1,900.00	1,872.74	1,785.71	1,766.71	9.37	8.25	93.54	-862.75	363.88	921.01	903.56	17.45	52.774		
2,000.00	1,970.66	1,884.41	1,864.63	9.84	8.68	95.22	-873.36	357.42	933.05	914.73	18.32	50.930		
2,100.00	2,068.57	2,010.63	1,990.06	10.32	9.21	97.24	-885.46	350.40	945.00	925.67	19.33	48.900		
2,200.00	2,166.49	2,118.43	2,097.39	10.80	9.67	99.01	-892.20	342.95	954.17	933.93	20.24	47.133		
2,300.00	2,264.41	2,214.73	2,193.35	11.28	10.07	100.49	-898.06	337.27	963.97	942.86	21.11	45.663		
2,400.00	2,362.33	2,308.94	2,287.26	11.76	10.47	101.87	-903.90	332.61	974.49	952.52	21.97	44.361		
2,500.00	2,460.25	2,448.90	2,426.99	12.24	11.06	103.79	-909.10	327.08	982.94	959.91	23.04	42.672		
2,600.00	2,558.17	2,544.90	2,522.93	12.73	11.45	105.04	-911.19	324.38	990.55	966.65	23.90	41.440		
2,700.00	2,656.09	2,646.14	2,624.11	13.22	11.87	106.32	-913.27	321.64	998.52	973.73	24.80	40.270		
2,800.00	2,754.01	2,746.17	2,724.09	13.71	12.29	107.58	-914.81	318.83	1,006.48	980.80	25.69	39.185		
2,900.00	2,851.92	2,858.28	2,836.15	14.20	12.75	108.97	-916.03	315.78	1,014.52	987.90	26.62	38.104		
3,000.00	2,949.84	2,961.18	2,939.04	14.69	13.17	110.14	-915.81	314.60	1,021.42	993.90	27.52	37.111		
3,100.00	3,047.76	3,054.65	3,032.50	15.18	13.55	111.20	-915.74	313.41	1,028.90	1,000.51	28.39	36.247		
3,200.00	3,145.68	3,152.41	3,130.25	15.67	13.96	112.31	-915.89	311.92	1,037.03	1,007.77	29.27	35.432		
3,300.00	3,243.60	3,249.06	3,226.89	16.17	14.36	113.38	-916.02	310.51	1,045.53	1,015.38	30.15	34.681		
3,400.00	3,341.52	3,348.71	3,326.53	16.66	14.78	114.47	-916.12	308.98	1,054.39	1,023.36	31.04	33.969		
3,500.00	3,439.44	3,454.41	3,432.22	17.16	15.22	115.60	-915.75	307.56	1,063.16	1,031.20	31.96	33.269		
3,600.00	3,537.36	3,556.04	3,533.84	17.65	15.63	116.68	-914.79	306.28	1,071.70	1,038.85	32.85	32.624		
3,700.00	3,635.27	3,653.03	3,630.81	18.15	16.03	117.69	-913.77	305.22	1,080.45	1,046.72	33.72	32.038		
3,800.00	3,733.19	3,747.95	3,725.73	18.65	16.42	118.66	-912.92	304.06	1,089.72	1,055.13	34.59	31.503		
3,900.00	3,831.11	3,847.90	3,825.67	19.14	16.82	119.62	-912.48	303.62	1,099.49	1,064.02	35.48	30.993		
4,000.00	3,929.03	3,954.97	3,932.72	19.64	17.24	120.50	-911.98	305.78	1,108.65	1,072.27	36.38	30.476		
4,100.00	4,026.95	4,049.33	4,027.05	20.14	17.61	121.26	-911.64	307.80	1,118.10	1,080.87	37.22	30.039		
4,200.00	4,124.87	4,142.93	4,120.64	20.64	17.97	122.02	-911.42	309.43	1,128.03	1,089.97	38.06	29.636		
4,300.00	4,222.79	4,234.42	4,212.11	21.14	18.33	122.75	-911.74	310.79	1,138.80	1,099.90	38.90	29.278		
4,400.00	4,320.71	4,328.03	4,305.72	21.64	18.70	123.50	-912.25	311.67	1,150.18	1,110.44	39.74	28.942		
4,500.00	4,418.62	4,419.74	4,397.42	22.14	19.07	124.23	-913.15	312.27	1,162.28	1,121.70	40.58	28.642		
4,600.00	4,516.54	4,513.35	4,491.03	22.64	19.45	124.95	-914.50	312.72	1,175.07	1,133.64	41.43	28.362		
4,700.00	4,614.46	4,611.18	4,588.84	23.14	19.86	125.70	-916.02	313.03	1,188.24	1,145.93	42.31	28.086		
4,800.00	4,712.38	4,705.60	4,683.25	23.64	20.25	126.41	-917.46	313.32	1,201.58	1,158.42	43.17	27.837		
4,900.00	4,810.30	4,792.05	4,769.67	24.14	20.61	127.01	-919.68	313.77	1,215.92	1,171.94	43.98	27.650		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,885.46	4,863.04	24.64	21.01	127.68	-922.31	313.42	1,231.06	1,186.23	44.83	27.461		
5,100.00	5,006.14	4,985.63	4,963.18	25.14	21.44	128.44	-924.64	312.04	1,246.44	1,200.71	45.73	27.257		
5,200.00	5,104.06	5,087.50	5,065.01	25.64	21.88	129.21	-926.44	310.36	1,261.69	1,215.05	46.64	27.052		
5,300.00	5,201.97	5,210.45	5,187.94	26.14	22.40	130.12	-927.86	308.69	1,276.59	1,228.92	47.67	26.779		
5,400.00	5,299.89	5,331.49	5,308.96	26.64	22.90	131.04	-925.89	307.57	1,288.98	1,240.32	48.67	26.486		
5,500.00	5,397.81	5,431.19	5,408.61	27.15	23.31	131.83	-923.13	306.23	1,300.93	1,251.39	49.54	26.258		
5,600.00	5,495.73	5,515.19	5,492.56	27.65	23.66	132.51	-920.90	304.51	1,313.58	1,263.24	50.34	26.092		
5,700.00	5,593.65	5,594.56	5,571.90	28.15	24.00	133.13	-919.68	302.53	1,327.62	1,276.51	51.11	25.975		
5,800.00	5,691.57	5,679.65	5,656.98	28.65	24.37	133.72	-920.03	300.99	1,343.08	1,291.17	51.91	25.872		
5,900.00	5,789.49	5,775.23	5,752.54	29.15	24.78	134.32	-921.55	299.91	1,359.28	1,306.50	52.78	25.754		
6,000.00	5,887.41	5,906.24	5,883.53	29.66	25.33	135.15	-922.19	298.64	1,374.75	1,320.89	53.86	25.523		
6,100.00	5,985.32	5,999.04	5,976.32	30.16	25.72	135.76	-921.06	297.53	1,389.08	1,334.37	54.71	25.391		
6,200.00	6,083.24	6,093.79	6,071.06	30.66	26.12	136.36	-920.46	296.76	1,403.82	1,348.25	55.57	25.264		
6,300.00	6,181.16	6,192.47	6,169.74	31.16	26.54	136.95	-920.06	296.13	1,418.79	1,362.34	56.45	25.134		
6,400.00	6,279.08	7,747.45	7,146.31	31.67	37.46	109.15	-916.61	1,166.13	1,427.15	1,371.72	55.44	25.744		
6,490.03	6,367.24	7,762.79	7,146.50	32.12	37.71	108.42	-916.69	1,181.46	1,377.46	1,319.43	58.03	23.737		
6,500.00	6,377.01	7,764.48	7,146.52	32.17	37.74	108.71	-916.70	1,183.15	1,372.19	1,313.88	58.32	23.529		
6,550.00	6,426.43	7,771.21	7,146.64	32.40	37.85	114.10	-916.73	1,189.88	1,346.34	1,286.60	59.74	22.537		
6,600.00	6,476.27	7,774.87	7,146.71	32.61	37.91	146.02	-916.74	1,193.54	1,321.63	1,260.53	61.10	21.630		
6,650.00	6,526.21	7,775.29	7,146.72	32.80	37.92	-130.13	-916.74	1,193.96	1,298.35	1,235.96	62.39	20.810		
6,700.00	6,575.96	7,772.27	7,146.66	32.98	37.87	-111.10	-916.73	1,190.94	1,276.70	1,213.11	63.59	20.077		
6,750.00	6,625.19	7,765.66	7,146.54	33.16	37.76	-106.43	-916.71	1,184.33	1,256.88	1,192.18	64.70	19.427		
6,800.00	6,673.62	7,755.28	7,146.39	33.35	37.59	-104.72	-916.66	1,173.96	1,239.05	1,173.35	65.69	18.861		
6,850.00	6,720.94	7,741.02	7,146.26	33.55	37.36	-103.87	-916.57	1,159.69	1,223.29	1,156.73	66.56	18.378		
6,900.00	6,766.86	7,722.76	7,146.20	33.76	37.06	-103.25	-916.44	1,141.44	1,209.65	1,142.35	67.30	17.975		
6,950.00	6,811.10	7,700.40	7,146.33	33.98	36.70	-102.61	-916.23	1,119.07	1,198.10	1,130.22	67.88	17.650		
7,000.00	6,853.38	7,672.87	7,146.47	34.23	36.29	-101.81	-915.98	1,091.54	1,188.55	1,120.20	68.35	17.390		
7,050.00	6,893.45	7,642.83	7,146.35	34.50	35.84	-100.92	-915.77	1,061.51	1,180.87	1,112.16	68.70	17.188		
7,100.00	6,931.05	7,613.04	7,145.92	34.79	35.39	-100.03	-915.62	1,031.72	1,174.93	1,105.95	68.98	17.032		
7,150.00	6,965.96	7,580.76	7,144.05	35.12	34.69	-98.34	-915.28	979.48	1,170.40	1,101.43	68.97	16.970		
7,200.00	6,997.96	7,509.37	7,140.18	35.47	34.01	-96.71	-914.53	928.24	1,166.78	1,097.86	68.92	16.929		
7,250.00	7,026.85	7,474.52	7,136.52	35.86	33.60	-95.65	-913.98	893.59	1,164.22	1,095.12	69.11	16.847		
7,300.00	7,052.45	7,438.60	7,132.00	36.29	33.18	-94.56	-913.58	857.96	1,162.84	1,093.58	69.26	16.789		
7,350.00	7,074.61	7,392.00	7,124.63	36.76	32.67	-93.17	-913.25	811.96	1,162.42	1,093.10	69.31	16.770		
7,400.00	7,093.19	7,334.05	7,110.15	37.27	32.09	-91.42	-912.39	755.88	1,162.23	1,092.95	69.28	16.776		
7,412.58	7,097.28	7,322.00	7,106.36	37.40	31.97	-91.04	-912.14	744.45	1,162.21	1,092.91	69.30	16.771		
7,450.00	7,108.07	7,298.53	7,098.29	37.81	31.77	-90.28	-911.70	722.42	1,162.47	1,092.95	69.52	16.721		
7,500.00	7,119.17	7,268.73	7,086.87	38.39	31.52	-89.28	-911.39	694.89	1,163.65	1,093.81	69.84	16.662		
7,550.00	7,126.41	7,239.25	7,074.31	38.99	31.28	-88.27	-911.36	668.23	1,165.72	1,095.56	70.17	16.614		
7,600.00	7,129.75	7,210.60	7,060.90	39.62	31.06	-87.26	-911.59	642.91	1,168.60	1,098.07	70.53	16.568		
7,616.41	7,130.00	7,201.38	7,056.33	39.83	31.00	-86.93	-911.72	634.91	1,169.71	1,099.05	70.66	16.553		
7,700.00	7,130.16	7,156.73	7,032.44	40.97	30.70	-85.76	-912.77	597.21	1,177.17	1,105.80	71.37	16.494 SF		
7,800.00	7,130.35	7,085.86	6,989.26	42.46	30.28	-83.67	-915.11	541.11	1,190.16	1,118.03	72.13	16.500		
7,900.00	7,130.55	7,012.38	6,939.30	44.09	29.91	-81.28	-916.09	487.27	1,206.22	1,133.34	72.88	16.551		
8,000.00	7,130.74	6,960.70	6,900.92	45.84	29.68	-79.46	-916.17	452.68	1,226.81	1,153.02	73.79	16.626		
8,100.00	7,130.94	6,941.00	6,885.60	47.70	29.59	-78.74	-916.11	440.29	1,252.95	1,178.00	74.95	16.718		
8,200.00	7,131.13	6,896.07	6,849.16	49.65	29.41	-77.04	-916.12	414.03	1,284.47	1,208.70	75.77	16.952		
8,300.00	7,131.32	6,872.24	6,829.00	51.70	29.32	-76.12	-916.29	401.33	1,321.98	1,245.29	76.68	17.240		
8,400.00	7,131.52	6,846.00	6,806.19	53.81	29.21	-75.08	-916.62	388.36	1,364.98	1,287.53	77.45	17.625		
8,500.00	7,131.71	6,826.57	6,789.02	55.99	29.14	-74.31	-916.94	379.28	1,412.97	1,334.80	78.16	18.077		
8,600.00	7,131.90	6,801.02	6,766.26	58.24	29.04	-73.29	-917.48	367.69	1,465.42	1,386.71	78.71	18.618		
8,700.00	7,132.10	6,777.18	6,744.84	60.53	28.95	-72.35	-918.08	357.24	1,521.92	1,442.74	79.18	19.222		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,753.00	6,722.95	62.87	28.85	-71.40	-918.80	347.00	1,582.10	1,502.55	79.55	19.887		
8,900.00	7,132.49	6,753.00	6,722.95	65.25	28.85	-71.40	-918.80	347.00	1,645.84	1,565.81	80.03	20.565		
9,000.00	7,132.68	6,725.39	6,697.55	67.68	28.75	-70.31	-919.52	336.19	1,712.41	1,632.18	80.23	21.345		
9,100.00	7,132.87	6,713.43	6,686.38	70.13	28.70	-69.84	-919.73	331.94	1,781.99	1,701.52	80.47	22.146		
9,200.00	7,133.07	6,702.83	6,676.39	72.61	28.66	-69.42	-919.87	328.39	1,854.14	1,773.49	80.66	22.988		
9,300.00	7,133.26	6,693.36	6,667.41	75.13	28.62	-69.04	-919.95	325.39	1,928.62	1,847.82	80.80	23.868		
9,400.00	7,133.46	6,659.00	6,634.39	77.66	28.49	-67.65	-919.92	315.92	2,005.78	1,925.05	80.74	24.844		
9,500.00	7,133.65	6,659.00	6,634.39	80.22	28.49	-67.65	-919.92	315.92	2,083.92	2,003.04	80.88	25.767		
9,600.00	7,133.84	6,659.00	6,634.39	82.80	28.49	-67.65	-919.92	315.92	2,163.86	2,082.88	80.98	26.722		
9,700.00	7,134.04	6,659.00	6,634.39	85.40	28.49	-67.65	-919.92	315.92	2,245.40	2,164.35	81.05	27.705		
9,800.00	7,134.23	6,659.00	6,634.39	88.01	28.49	-67.65	-919.92	315.92	2,328.39	2,247.29	81.09	28.713		
9,900.00	7,134.43	6,659.00	6,634.39	90.64	28.49	-67.65	-919.92	315.92	2,412.66	2,331.54	81.12	29.743		
10,000.00	7,134.62	6,659.00	6,634.39	93.28	28.49	-67.65	-919.92	315.92	2,498.10	2,416.97	81.12	30.794		
10,100.00	7,134.81	6,659.00	6,634.39	95.94	28.49	-67.65	-919.92	315.92	2,584.58	2,503.46	81.12	31.862		
10,200.00	7,135.01	6,659.00	6,634.39	98.61	28.49	-67.65	-919.92	315.92	2,672.00	2,590.90	81.10	32.946		
10,300.00	7,135.20	6,659.00	6,634.39	101.28	28.49	-67.65	-919.92	315.92	2,760.28	2,679.20	81.08	34.045		
10,400.00	7,135.39	6,624.64	6,600.89	103.97	28.35	-66.27	-919.60	308.32	2,848.44	2,767.51	80.92	35.199		
10,500.00	7,135.59	6,620.21	6,596.54	106.67	28.33	-66.09	-919.56	307.45	2,937.95	2,857.07	80.88	36.325		
10,600.00	7,135.78	6,616.03	6,592.44	109.38	28.32	-65.93	-919.51	306.65	3,028.09	2,947.26	80.83	37.461		
10,700.00	7,135.98	6,612.08	6,588.55	112.09	28.30	-65.77	-919.47	305.92	3,118.81	3,038.03	80.79	38.606		
10,800.00	7,136.17	6,608.34	6,584.87	114.81	28.29	-65.62	-919.43	305.24	3,210.06	3,129.32	80.74	39.759		
10,900.00	7,136.36	6,604.79	6,581.38	117.54	28.27	-65.48	-919.39	304.62	3,301.80	3,221.11	80.69	40.920		
11,000.00	7,136.56	6,601.43	6,578.07	120.28	28.26	-65.35	-919.35	304.05	3,393.98	3,313.34	80.64	42.087		
11,100.00	7,136.75	6,564.00	6,541.04	123.02	28.11	-63.87	-918.89	298.64	3,487.46	3,406.98	80.48	43.332		
11,200.00	7,136.95	6,564.00	6,541.04	125.76	28.11	-63.87	-918.89	298.64	3,580.30	3,499.85	80.45	44.503		
11,300.00	7,137.14	6,564.00	6,541.04	128.52	28.11	-63.87	-918.89	298.64	3,673.51	3,593.09	80.42	45.679		
11,400.00	7,137.33	6,564.00	6,541.04	131.27	28.11	-63.87	-918.89	298.64	3,767.07	3,686.68	80.39	46.861		
11,500.00	7,137.53	6,564.00	6,541.04	134.03	28.11	-63.87	-918.89	298.64	3,860.95	3,780.59	80.36	48.048		
11,600.00	7,137.72	6,564.00	6,541.04	136.80	28.11	-63.87	-918.89	298.64	3,955.13	3,874.80	80.33	49.239		
11,700.00	7,137.92	6,564.00	6,541.04	139.57	28.11	-63.87	-918.89	298.64	4,049.59	3,969.30	80.30	50.434		
11,800.00	7,138.11	6,564.00	6,541.04	142.34	28.11	-63.87	-918.89	298.64	4,144.31	4,064.04	80.27	51.632		
11,900.00	7,138.30	6,564.00	6,541.04	145.12	28.11	-63.87	-918.89	298.64	4,239.27	4,159.04	80.24	52.833		
12,000.00	7,138.50	6,564.00	6,541.04	147.90	28.11	-63.87	-918.89	298.64	4,334.46	4,254.25	80.21	54.037		
12,100.00	7,138.69	6,564.00	6,541.04	150.68	28.11	-63.87	-918.89	298.64	4,429.87	4,349.68	80.19	55.244		
12,200.00	7,138.88	6,564.00	6,541.04	153.47	28.11	-63.87	-918.89	298.64	4,525.47	4,445.30	80.16	56.452		
12,300.00	7,139.08	6,564.00	6,541.04	156.26	28.11	-63.87	-918.89	298.64	4,621.25	4,541.11	80.14	57.663		
12,400.00	7,139.27	6,564.00	6,541.04	159.05	28.11	-63.87	-918.89	298.64	4,717.21	4,637.09	80.12	58.875		
12,500.00	7,139.47	6,564.00	6,541.04	161.85	28.11	-63.87	-918.89	298.64	4,813.34	4,733.24	80.10	60.089		
12,600.00	7,139.66	6,564.00	6,541.04	164.64	28.11	-63.87	-918.89	298.64	4,909.62	4,829.53	80.09	61.304		
12,700.00	7,139.85	6,564.00	6,541.04	167.44	28.11	-63.87	-918.89	298.64	5,006.05	4,925.97	80.07	62.520		
12,800.00	7,140.05	6,564.00	6,541.04	170.24	28.11	-63.87	-918.89	298.64	5,102.61	5,022.55	80.06	63.737		
12,900.00	7,140.24	6,564.00	6,541.04	173.05	28.11	-63.87	-918.89	298.64	5,199.30	5,119.26	80.04	64.955		
13,000.00	7,140.44	6,564.00	6,541.04	175.85	28.11	-63.87	-918.89	298.64	5,296.12	5,216.08	80.03	66.173		
13,100.00	7,140.63	6,564.00	6,541.04	178.66	28.11	-63.87	-918.89	298.64	5,393.05	5,313.03	80.03	67.391		
13,200.00	7,140.82	6,564.00	6,541.04	181.47	28.11	-63.87	-918.89	298.64	5,490.09	5,410.08	80.02	68.610		
13,300.00	7,141.02	6,564.00	6,541.04	184.28	28.11	-63.87	-918.89	298.64	5,587.24	5,507.23	80.01	69.829		
13,400.00	7,141.21	6,564.00	6,541.04	187.10	28.11	-63.87	-918.89	298.64	5,684.49	5,604.48	80.01	71.048		
13,500.00	7,141.41	6,564.00	6,541.04	189.91	28.11	-63.87	-918.89	298.64	5,781.83	5,701.82	80.01	72.266		
13,600.00	7,141.60	6,564.00	6,541.04	192.73	28.11	-63.87	-918.89	298.64	5,879.26	5,799.25	80.01	73.484		
13,700.00	7,141.79	6,564.00	6,541.04	195.54	28.11	-63.87	-918.89	298.64	5,976.77	5,896.76	80.01	74.702		
13,800.00	7,141.99	6,564.00	6,541.04	198.36	28.11	-63.87	-918.89	298.64	6,074.37	5,994.36	80.01	75.919		
13,900.00	7,142.18	6,564.00	6,541.04	201.18	28.11	-63.87	-918.89	298.64	6,172.04	6,092.02	80.01	77.136		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,564.00	6,541.04	204.01	28.11	-63.87	-918.89	298.64	6,269.78	6,189.76	80.02	78.352		
14,100.00	7,142.57	6,564.00	6,541.04	206.83	28.11	-63.87	-918.89	298.64	6,367.60	6,287.57	80.03	79.567		
14,200.00	7,142.76	6,564.00	6,541.04	209.65	28.11	-63.87	-918.89	298.64	6,465.48	6,385.44	80.04	80.782		
14,300.00	7,142.96	6,564.00	6,541.04	212.48	28.11	-63.87	-918.89	298.64	6,563.43	6,483.38	80.05	81.995		
14,400.00	7,143.15	6,564.00	6,541.04	215.30	28.11	-63.87	-918.89	298.64	6,661.43	6,581.38	80.06	83.207		
14,500.00	7,143.34	6,564.00	6,541.04	218.13	28.11	-63.87	-918.89	298.64	6,759.50	6,679.43	80.07	84.418		
14,600.00	7,143.54	6,564.00	6,541.04	220.96	28.11	-63.87	-918.89	298.64	6,857.62	6,777.53	80.09	85.628		
14,700.00	7,143.73	6,564.00	6,541.04	223.79	28.11	-63.87	-918.89	298.64	6,955.80	6,875.69	80.10	86.836		
14,800.00	7,143.93	6,564.00	6,541.04	226.62	28.11	-63.87	-918.89	298.64	7,054.02	6,973.90	80.12	88.044		
14,838.32	7,144.00	6,564.00	6,541.04	227.70	28.11	-63.87	-918.89	298.64	7,091.68	7,011.55	80.13	88.506		
14,900.00	7,144.12	6,564.00	6,541.04	229.45	28.11	-66.49	-918.89	298.64	7,152.18	7,072.05	80.14	89.250		
15,000.00	7,144.32	6,564.00	6,541.04	232.26	28.11	-69.83	-918.89	298.64	7,249.79	7,169.65	80.15	90.458		
15,027.81	7,144.37	6,564.00	6,541.04	233.04	28.11	-70.61	-918.89	298.64	7,276.82	7,196.68	80.15	90.794		
15,100.00	7,144.51	6,564.00	6,541.04	235.07	28.11	-70.61	-918.89	298.64	7,346.93	7,266.78	80.15	91.665		
15,200.00	7,144.71	6,564.00	6,541.04	237.87	28.11	-70.61	-918.89	298.64	7,444.12	7,363.96	80.16	92.870		
15,300.00	7,144.91	6,564.00	6,541.04	240.68	28.11	-70.61	-918.89	298.64	7,541.38	7,461.21	80.16	94.074		
15,400.00	7,145.10	6,564.00	6,541.04	243.48	28.11	-70.61	-918.89	298.64	7,638.71	7,558.53	80.17	95.276		
15,500.00	7,145.30	6,564.00	6,541.04	246.29	28.11	-70.61	-918.89	298.64	7,736.10	7,655.92	80.19	96.478		
15,600.00	7,145.50	6,564.00	6,541.04	249.10	28.11	-70.61	-918.89	298.64	7,833.57	7,753.37	80.20	97.678		
15,700.00	7,145.69	6,564.00	6,541.04	251.91	28.11	-70.61	-918.89	298.64	7,931.09	7,850.88	80.21	98.876		
15,800.00	7,145.89	6,564.00	6,541.04	254.71	28.11	-70.61	-918.89	298.64	8,028.68	7,948.45	80.23	100.073		
15,900.00	7,146.09	6,564.00	6,541.04	257.52	28.11	-70.61	-918.89	298.64	8,126.33	8,046.08	80.25	101.268		
16,000.00	7,146.28	6,564.00	6,541.04	260.34	28.11	-70.61	-918.89	298.64	8,224.03	8,143.76	80.26	102.461		
16,100.00	7,146.48	6,564.00	6,541.04	263.15	28.11	-70.61	-918.89	298.64	8,321.79	8,241.50	80.29	103.653		
16,200.00	7,146.68	6,564.00	6,541.04	265.96	28.11	-70.61	-918.89	298.64	8,419.60	8,339.29	80.31	104.843		
16,300.00	7,146.87	6,564.00	6,541.04	268.77	28.11	-70.61	-918.89	298.64	8,517.46	8,437.13	80.33	106.031		
16,400.00	7,147.07	6,564.00	6,541.04	271.58	28.11	-70.61	-918.89	298.64	8,615.37	8,535.01	80.35	107.217		
16,500.00	7,147.27	6,564.00	6,541.04	274.40	28.11	-70.61	-918.89	298.64	8,713.32	8,632.94	80.38	108.401		
16,600.00	7,147.46	6,564.00	6,541.04	277.21	28.11	-70.61	-918.89	298.64	8,811.33	8,730.92	80.41	109.583		
16,700.00	7,147.66	6,564.00	6,541.04	280.03	28.11	-70.61	-918.89	298.64	8,909.37	8,828.94	80.44	110.763		
16,800.00	7,147.86	6,564.00	6,541.04	282.84	28.11	-70.61	-918.89	298.64	9,007.46	8,927.00	80.47	111.940		
16,900.00	7,148.05	6,564.00	6,541.04	285.66	28.11	-70.61	-918.89	298.64	9,105.60	9,025.10	80.50	113.116		
17,000.00	7,148.25	6,564.00	6,541.04	288.48	28.11	-70.61	-918.89	298.64	9,203.77	9,123.24	80.53	114.290		
17,100.00	7,148.45	6,564.00	6,541.04	291.29	28.11	-70.61	-918.89	298.64	9,301.98	9,221.42	80.56	115.461		
17,200.00	7,148.64	6,564.00	6,541.04	294.11	28.11	-70.61	-918.89	298.64	9,400.23	9,319.63	80.60	116.629		
17,300.00	7,148.84	6,564.00	6,541.04	296.93	28.11	-70.61	-918.89	298.64	9,498.51	9,417.88	80.64	117.796		
17,400.00	7,149.04	6,564.00	6,541.04	299.75	28.11	-70.61	-918.89	298.64	9,596.83	9,516.16	80.67	118.960		
17,500.00	7,149.23	6,564.00	6,541.04	302.57	28.11	-70.61	-918.89	298.64	9,695.19	9,614.48	80.71	120.122		
17,600.00	7,149.43	6,564.00	6,541.04	305.39	28.11	-70.61	-918.89	298.64	9,793.58	9,712.83	80.75	121.281		
17,700.00	7,149.63	6,564.00	6,541.04	308.21	28.11	-70.61	-918.89	298.64	9,892.00	9,811.21	80.79	122.438		
17,800.00	7,149.82	6,564.00	6,541.04	311.03	28.11	-70.61	-918.89	298.64	9,990.45	9,909.62	80.83	123.592		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	143.46	-682.70	505.87	849.77					
100.00	100.00	90.65	90.65	3.28	3.29	143.44	-682.46	506.06	849.62	843.04	6.57	129.302		
200.00	200.00	192.49	192.49	3.34	3.31	143.37	-681.59	506.71	849.31	842.67	6.64	127.827		
300.00	299.98	294.32	294.30	3.44	3.34	63.38	-680.10	507.82	848.01	841.23	6.79	124.961		
400.00	399.84	411.37	411.31	3.60	3.45	63.67	-677.52	508.78	844.45	837.40	7.05	119.792		
500.00	499.45	544.01	543.79	3.81	3.67	64.46	-671.96	506.03	836.02	828.52	7.50	111.532		
600.00	598.70	667.67	666.99	4.06	3.94	65.50	-662.22	501.79	822.35	814.31	8.04	102.315		
700.00	697.47	772.12	770.88	4.34	4.22	66.72	-652.22	497.55	805.72	797.13	8.59	93.781		
785.50	781.43	872.09	870.19	4.61	4.51	68.14	-641.67	493.17	789.83	780.66	9.16	86.192		
800.00	795.63	890.98	888.91	4.66	4.57	68.37	-639.31	492.30	786.82	777.55	9.27	84.841		
900.00	893.55	1,011.42	1,007.92	5.02	4.97	69.78	-621.82	486.39	764.42	754.40	10.02	76.309		
1,000.00	991.47	1,123.96	1,118.51	5.40	5.37	71.06	-601.87	480.53	739.45	728.68	10.77	68.672		
1,100.00	1,089.39	1,217.91	1,210.69	5.80	5.72	72.17	-584.31	475.71	714.03	702.56	11.48	62.210		
1,200.00	1,187.31	1,313.44	1,304.53	6.21	6.09	73.43	-567.17	470.55	689.42	677.19	12.23	56.390		
1,300.00	1,285.22	1,423.87	1,412.69	6.64	6.54	74.95	-545.83	464.37	663.86	650.81	13.05	50.864		
1,400.00	1,383.14	1,538.15	1,523.95	7.08	7.03	76.53	-520.53	457.99	636.22	622.32	13.90	45.765		
1,500.00	1,481.06	1,637.26	1,619.88	7.52	7.46	77.98	-496.36	452.06	606.73	592.01	14.72	41.209		
1,600.00	1,578.98	1,724.14	1,704.06	7.98	7.85	79.33	-475.31	447.48	578.06	562.52	15.54	37.205		
1,700.00	1,676.90	1,809.72	1,787.26	8.44	8.24	80.70	-455.56	444.21	551.33	534.96	16.37	33.682		
1,800.00	1,774.82	1,899.35	1,874.68	8.90	8.64	82.18	-435.92	441.86	526.48	509.25	17.22	30.567		
1,900.00	1,872.74	1,990.72	1,963.97	9.37	9.05	83.89	-416.73	439.28	502.84	484.75	18.09	27.790		
2,000.00	1,970.66	2,087.62	2,058.83	9.84	9.49	85.93	-397.20	436.23	480.43	461.45	18.98	25.307		
2,100.00	2,068.57	2,187.96	2,156.86	10.32	9.95	88.30	-376.11	432.38	457.68	437.79	19.89	23.016		
2,200.00	2,166.49	2,290.79	2,257.07	10.80	10.43	90.87	-353.30	429.11	434.72	413.93	20.79	20.910		
2,300.00	2,264.41	2,380.47	2,344.26	11.28	10.85	93.23	-332.45	426.87	411.70	389.99	21.72	18.958		
2,400.00	2,362.33	2,473.67	2,435.33	11.76	11.28	96.02	-312.81	424.34	391.60	368.95	22.65	17.291		
2,500.00	2,460.25	2,575.33	2,534.45	12.24	11.76	99.52	-290.56	420.59	371.75	348.17	23.58	15.768		
2,600.00	2,558.17	2,668.36	2,624.96	12.73	12.21	103.09	-269.35	416.95	352.37	327.84	24.53	14.364		
2,700.00	2,656.09	2,766.82	2,720.91	13.22	12.68	107.22	-247.59	413.26	335.32	309.84	25.48	13.160		
2,800.00	2,754.01	2,860.47	2,812.04	13.71	13.13	111.31	-226.12	411.13	319.10	292.66	26.44	12.067		
2,900.00	2,851.92	2,964.01	2,912.67	14.20	13.63	116.47	-202.04	407.73	304.78	277.40	27.38	11.133		
3,000.00	2,949.84	3,053.05	2,998.82	14.69	14.07	121.62	-179.94	403.44	291.87	263.50	28.37	10.287		
3,100.00	3,047.76	3,141.28	3,084.75	15.18	14.49	126.87	-160.38	399.14	284.41	255.08	29.33	9.697		
3,200.00	3,145.68	3,241.73	3,182.82	15.67	14.98	132.89	-139.11	394.80	280.72	250.46	30.26	9.278		
3,263.02	3,207.39	3,297.78	3,237.43	15.99	15.25	136.34	-126.71	392.45	279.46	248.64	30.83	9.066		
3,300.00	3,243.60	3,329.60	3,268.56	16.17	15.40	138.24	-120.28	391.07	279.90	248.75	31.15	8.987		
3,400.00	3,341.52	3,421.21	3,358.53	16.66	15.83	143.43	-103.53	387.03	284.55	252.56	31.99	8.895		
3,500.00	3,439.44	3,520.48	3,456.20	17.16	16.29	148.65	-86.19	383.21	292.01	259.15	32.86	8.886		
3,600.00	3,537.36	3,621.85	3,555.64	17.65	16.77	153.87	-66.77	380.01	300.24	266.50	33.75	8.897		
3,700.00	3,635.27	3,716.79	3,648.43	18.15	17.23	158.76	-46.93	376.66	310.15	275.57	34.58	8.969		
3,800.00	3,733.19	3,821.18	3,750.17	18.65	17.73	163.94	-23.80	373.68	321.22	285.73	35.49	9.052		
3,900.00	3,831.11	3,918.15	3,844.00	19.14	18.22	168.83	0.53	371.33	333.03	296.69	36.35	9.163		
4,000.00	3,929.03	4,010.72	3,932.92	19.64	18.69	173.60	26.07	368.01	347.52	310.35	37.17	9.350		
4,100.00	4,026.95	4,108.00	4,025.96	20.14	19.19	178.43	54.26	364.41	364.30	326.26	38.04	9.577		
4,200.00	4,124.87	4,204.03	4,118.05	20.64	19.69	-177.37	81.32	361.84	382.58	343.67	38.91	9.833		
4,300.00	4,222.79	4,294.64	4,205.75	21.14	20.14	-174.16	103.98	359.30	403.06	363.35	39.71	10.151		
4,400.00	4,320.71	4,386.28	4,295.36	21.64	20.58	-171.79	122.77	355.97	425.70	385.18	40.52	10.506		
4,500.00	4,418.62	4,481.19	4,388.35	22.14	21.04	-169.68	141.39	352.08	449.49	408.11	41.38	10.863		
4,600.00	4,516.54	4,577.80	4,482.84	22.64	21.51	-167.66	161.08	348.05	473.91	431.64	42.27	11.212		
4,700.00	4,614.46	4,676.80	4,579.57	23.14	21.99	-165.71	181.88	344.55	498.28	455.08	43.20	11.534		
4,800.00	4,712.38	4,770.62	4,671.33	23.64	22.44	-164.08	201.14	341.41	522.90	478.84	44.06	11.868		
4,900.00	4,810.30	4,858.07	4,756.94	24.14	22.86	-162.76	218.55	337.46	548.94	504.12	44.82	12.247		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,945.63	4,842.84	24.64	23.28	-161.72	234.61	331.88	576.79	531.21	45.58	12.653		
5,100.00	5,006.14	5,043.07	4,938.35	25.14	23.75	-160.64	252.73	325.37	605.19	558.68	46.51	13.013		
5,200.00	5,104.06	5,141.15	5,033.95	25.64	24.23	-159.37	273.83	319.58	633.54	586.09	47.45	13.352		
5,300.00	5,201.97	5,256.69	5,146.13	26.14	24.81	-157.76	301.10	315.06	660.79	612.15	48.65	13.584		
5,400.00	5,299.89	5,365.99	5,253.57	26.64	25.32	-156.82	321.09	313.50	684.68	634.97	49.71	13.774		
5,500.00	5,397.81	5,474.15	5,360.40	27.15	25.82	-156.20	337.85	312.03	708.12	657.39	50.73	13.958		
5,600.00	5,495.73	5,579.16	5,464.25	27.65	26.29	-155.66	353.44	312.47	729.74	678.04	51.71	14.113		
5,700.00	5,593.65	5,667.80	5,551.89	28.15	26.69	-155.23	366.68	312.75	751.56	699.04	52.52	14.310		
5,800.00	5,691.57	5,786.21	5,669.44	28.65	27.21	-154.96	380.77	312.54	773.19	719.58	53.60	14.424		
5,900.00	5,789.49	5,887.75	5,770.64	29.15	27.64	-155.00	389.07	313.35	792.91	738.40	54.51	14.546		
6,000.00	5,887.41	5,984.02	5,866.74	29.66	28.04	-155.18	394.83	313.69	812.51	757.15	55.36	14.677		
6,100.00	5,985.32	6,081.01	5,963.63	30.16	28.43	-155.49	398.89	313.53	832.19	775.98	56.21	14.804		
6,200.00	6,083.24	6,174.52	6,057.10	30.66	28.80	-155.87	401.56	312.63	852.34	795.31	57.03	14.946		
6,300.00	6,181.16	6,276.58	6,159.14	31.16	29.20	-156.36	403.08	311.45	872.40	814.49	57.91	15.065		
6,400.00	6,279.08	7,767.45	7,050.34	31.67	38.40	-121.62	416.99	1,177.07	809.65	789.77	19.87	40.738		
6,490.03	6,367.24	7,783.96	7,050.50	32.12	38.66	-118.67	416.84	1,193.57	724.04	702.79	21.24	34.083		
6,500.00	6,377.01	7,786.03	7,050.52	32.17	38.69	-115.24	416.83	1,195.64	714.58	693.17	21.42	33.368		
6,550.00	6,426.43	7,794.01	7,050.60	32.40	38.83	-92.66	416.77	1,203.62	666.88	644.55	22.34	29.857		
6,600.00	6,476.27	7,797.94	7,050.63	32.61	38.89	-42.45	416.74	1,207.55	618.99	595.61	23.38	26.470		
6,650.00	6,526.21	7,797.84	7,050.63	32.80	38.89	58.08	416.74	1,207.45	571.28	546.68	24.60	23.223		
6,700.00	6,575.96	7,793.75	7,050.59	32.98	38.82	90.36	416.77	1,203.36	524.13	498.09	26.04	20.129		
6,750.00	6,625.19	7,785.75	7,050.52	33.16	38.69	104.58	416.83	1,195.36	477.94	450.17	27.77	17.209		
6,800.00	6,673.62	7,774.41	7,050.40	33.35	38.51	112.80	416.92	1,184.02	433.13	403.25	29.88	14.498		
6,850.00	6,720.94	7,760.50	7,050.30	33.55	38.29	117.83	417.06	1,170.11	390.21	357.77	32.43	12.031		
6,900.00	6,766.86	7,742.91	7,050.24	33.76	38.03	120.53	417.25	1,152.53	349.72	314.17	35.55	9.836		
6,950.00	6,811.10	7,721.66	7,050.30	33.98	37.70	121.44	417.53	1,131.27	312.27	272.96	39.31	7.944		
7,000.00	6,853.38	7,696.76	7,050.52	34.23	37.33	120.87	417.92	1,106.38	278.50	234.77	43.73	6.369		
7,050.00	6,893.45	7,664.06	7,050.92	34.50	36.85	118.21	418.42	1,073.69	248.92	200.15	48.77	5.104		
7,100.00	6,931.05	7,629.05	7,050.98	34.79	36.39	114.45	418.61	1,038.67	223.57	169.37	54.20	4.125		
7,150.00	6,965.96	7,592.50	7,051.07	35.12	35.91	109.83	418.60	1,002.13	203.24	143.67	59.57	3.412		
7,200.00	6,997.96	7,552.51	7,051.23	35.47	35.41	104.10	418.37	962.14	188.11	123.80	64.31	2.925		
7,250.00	7,026.85	7,507.85	7,050.06	35.86	34.91	96.94	417.66	917.50	177.48	109.43	68.05	2.608		
7,300.00	7,052.45	7,464.01	7,046.79	36.29	34.43	89.37	416.38	873.81	171.08	100.74	70.34	2.432		
7,344.99	7,072.55	7,427.81	7,042.39	36.71	34.08	82.85	415.23	837.90	169.18	98.14	71.04	2.382 CC, ES, SF		
7,350.00	7,074.61	7,423.80	7,041.80	36.76	34.05	82.12	415.11	833.93	169.20	98.17	71.03	2.382		
7,400.00	7,093.19	7,384.10	7,034.92	37.27	33.68	74.90	414.09	794.85	171.79	101.60	70.19	2.447		
7,450.00	7,108.07	7,343.53	7,025.76	37.81	33.36	67.76	413.10	755.35	177.99	109.72	68.27	2.607		
7,500.00	7,119.17	7,303.47	7,014.28	38.39	33.08	61.04	411.65	717.00	186.75	120.98	65.77	2.839		
7,550.00	7,126.41	7,264.69	7,000.87	38.99	32.85	54.95	409.78	680.68	197.44	134.23	63.21	3.124		
7,600.00	7,129.75	7,227.59	6,985.64	39.62	32.67	49.47	407.40	646.93	209.64	148.70	60.94	3.440		
7,616.41	7,130.00	7,215.71	6,980.27	39.83	32.62	47.79	406.51	636.37	213.91	153.62	60.29	3.548		
7,700.00	7,130.16	7,163.69	6,953.95	40.97	32.41	41.82	402.26	591.73	241.18	183.09	58.08	4.152		
7,800.00	7,130.35	7,115.17	6,925.31	42.46	32.23	36.93	401.04	552.62	288.52	230.81	57.71	5.000		
7,900.00	7,130.55	7,068.81	6,894.66	44.09	32.07	33.18	402.90	517.92	348.06	290.08	57.97	6.004		
8,000.00	7,130.74	7,023.46	6,862.40	45.84	31.92	30.08	405.53	486.16	415.01	356.65	58.36	7.111		
8,100.00	7,130.94	6,997.00	6,842.64	47.70	31.83	28.49	407.26	468.66	487.72	428.07	59.66	8.175		
8,200.00	7,131.13	6,955.98	6,810.41	49.65	31.70	26.27	410.12	443.46	564.64	504.67	59.98	9.414		
8,300.00	7,131.32	6,930.69	6,789.54	51.70	31.61	25.03	411.95	429.30	645.63	584.87	60.76	10.626		
8,400.00	7,131.52	6,905.00	6,767.61	53.81	31.53	23.87	413.86	416.05	729.63	668.31	61.32	11.898		
8,500.00	7,131.71	6,905.00	6,767.61	55.99	31.53	23.87	413.86	416.05	816.31	754.01	62.31	13.102		
8,600.00	7,131.90	6,865.83	6,733.09	58.24	31.40	22.23	416.47	397.74	903.82	841.52	62.31	14.506		
8,700.00	7,132.10	6,847.48	6,716.55	60.53	31.34	21.50	417.46	389.85	993.19	930.54	62.65	15.853		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,810.00	6,682.11	62.87	31.21	20.09	419.00	375.16	1,084.28	1,021.62	62.65	17.306		
8,900.00	7,132.49	6,810.00	6,682.11	65.25	31.21	20.09	419.00	375.16	1,175.37	1,112.24	63.14	18.617		
9,000.00	7,132.68	6,795.24	6,668.37	67.68	31.16	19.55	419.35	369.79	1,267.70	1,204.34	63.35	20.010		
9,100.00	7,132.87	6,768.65	6,643.53	70.13	31.07	18.58	419.36	360.32	1,360.47	1,297.05	63.42	21.452		
9,200.00	7,133.07	6,743.53	6,619.98	72.61	30.98	17.66	418.60	351.59	1,453.58	1,390.09	63.49	22.896		
9,300.00	7,133.26	6,718.00	6,596.01	75.13	30.89	16.73	417.09	342.96	1,547.01	1,483.47	63.54	24.347		
9,400.00	7,133.46	6,718.00	6,596.01	77.66	30.89	16.73	417.09	342.96	1,640.94	1,577.15	63.79	25.726		
9,500.00	7,133.65	6,718.00	6,596.01	80.22	30.89	16.73	417.09	342.96	1,735.55	1,671.56	63.99	27.123		
9,600.00	7,133.84	6,718.00	6,596.01	82.80	30.89	16.73	417.09	342.96	1,830.73	1,766.57	64.16	28.536		
9,700.00	7,134.04	6,684.81	6,564.55	85.40	30.76	15.56	414.51	332.71	1,925.29	1,861.16	64.13	30.024		
9,800.00	7,134.23	6,677.86	6,557.90	88.01	30.74	15.33	413.93	330.76	2,020.88	1,956.64	64.23	31.461		
9,900.00	7,134.43	6,671.39	6,551.70	90.64	30.71	15.11	413.39	329.02	2,116.79	2,052.46	64.33	32.904		
10,000.00	7,134.62	6,665.37	6,545.91	93.28	30.69	14.92	412.87	327.45	2,212.99	2,148.57	64.42	34.351		
10,100.00	7,134.81	6,659.74	6,540.48	95.94	30.67	14.74	412.39	326.03	2,309.45	2,244.95	64.51	35.802		
10,200.00	7,135.01	6,625.00	6,506.76	98.61	30.54	13.66	409.21	318.31	2,406.99	2,342.50	64.49	37.326		
10,300.00	7,135.20	6,625.00	6,506.76	101.28	30.54	13.66	409.21	318.31	2,503.63	2,439.05	64.58	38.767		
10,400.00	7,135.39	6,625.00	6,506.76	103.97	30.54	13.66	409.21	318.31	2,600.53	2,535.86	64.67	40.213		
10,500.00	7,135.59	6,625.00	6,506.76	106.67	30.54	13.66	409.21	318.31	2,697.65	2,632.90	64.75	41.664		
10,600.00	7,135.78	6,625.00	6,506.76	109.38	30.54	13.66	409.21	318.31	2,794.98	2,730.16	64.82	43.118		
10,700.00	7,135.98	6,625.00	6,506.76	112.09	30.54	13.66	409.21	318.31	2,892.49	2,827.60	64.89	44.576		
10,800.00	7,136.17	6,625.00	6,506.76	114.81	30.54	13.66	409.21	318.31	2,990.16	2,925.21	64.95	46.036		
10,900.00	7,136.36	6,625.00	6,506.76	117.54	30.54	13.66	409.21	318.31	3,087.99	3,022.97	65.01	47.499		
11,000.00	7,136.56	6,625.00	6,506.76	120.28	30.54	13.66	409.21	318.31	3,185.94	3,120.88	65.07	48.963		
11,100.00	7,136.75	6,625.00	6,506.76	123.02	30.54	13.66	409.21	318.31	3,284.03	3,218.90	65.12	50.428		
11,200.00	7,136.95	6,625.00	6,506.76	125.76	30.54	13.66	409.21	318.31	3,382.22	3,317.04	65.18	51.894		
11,300.00	7,137.14	6,625.00	6,506.76	128.52	30.54	13.66	409.21	318.31	3,480.52	3,415.29	65.23	53.360		
11,400.00	7,137.33	6,625.00	6,506.76	131.27	30.54	13.66	409.21	318.31	3,578.91	3,513.63	65.28	54.827		
11,500.00	7,137.53	6,625.00	6,506.76	134.03	30.54	13.66	409.21	318.31	3,677.39	3,612.06	65.33	56.293		
11,600.00	7,137.72	6,625.00	6,506.76	136.80	30.54	13.66	409.21	318.31	3,775.94	3,710.57	65.37	57.759		
11,700.00	7,137.92	6,625.00	6,506.76	139.57	30.54	13.66	409.21	318.31	3,874.57	3,809.15	65.42	59.225		
11,800.00	7,138.11	6,625.00	6,506.76	142.34	30.54	13.66	409.21	318.31	3,973.27	3,907.81	65.47	60.689		
11,900.00	7,138.30	6,625.00	6,506.76	145.12	30.54	13.66	409.21	318.31	4,072.04	4,006.52	65.52	62.153		
12,000.00	7,138.50	6,625.00	6,506.76	147.90	30.54	13.66	409.21	318.31	4,170.86	4,105.30	65.56	63.615		
12,100.00	7,138.69	6,625.00	6,506.76	150.68	30.54	13.66	409.21	318.31	4,269.74	4,204.13	65.61	65.076		
12,200.00	7,138.88	6,625.00	6,506.76	153.47	30.54	13.66	409.21	318.31	4,368.67	4,303.01	65.66	66.535		
12,300.00	7,139.08	6,625.00	6,506.76	156.26	30.54	13.66	409.21	318.31	4,467.64	4,401.93	65.71	67.993		
12,400.00	7,139.27	6,625.00	6,506.76	159.05	30.54	13.66	409.21	318.31	4,566.66	4,500.91	65.76	69.448		
12,500.00	7,139.47	6,625.00	6,506.76	161.85	30.54	13.66	409.21	318.31	4,665.73	4,599.92	65.81	70.902		
12,600.00	7,139.66	6,625.00	6,506.76	164.64	30.54	13.66	409.21	318.31	4,764.83	4,698.97	65.85	72.354		
12,700.00	7,139.85	6,625.00	6,506.76	167.44	30.54	13.66	409.21	318.31	4,863.97	4,798.06	65.90	73.803		
12,800.00	7,140.05	6,625.00	6,506.76	170.24	30.54	13.66	409.21	318.31	4,963.14	4,897.18	65.96	75.250		
12,900.00	7,140.24	6,625.00	6,506.76	173.05	30.54	13.66	409.21	318.31	5,062.34	4,996.34	66.01	76.694		
13,000.00	7,140.44	6,625.00	6,506.76	175.85	30.54	13.66	409.21	318.31	5,161.58	5,095.52	66.06	78.136		
13,100.00	7,140.63	6,625.00	6,506.76	178.66	30.54	13.66	409.21	318.31	5,260.85	5,194.73	66.11	79.575		
13,200.00	7,140.82	6,625.00	6,506.76	181.47	30.54	13.66	409.21	318.31	5,360.14	5,293.97	66.17	81.011		
13,300.00	7,141.02	6,625.00	6,506.76	184.28	30.54	13.66	409.21	318.31	5,459.46	5,393.24	66.22	82.445		
13,400.00	7,141.21	6,625.00	6,506.76	187.10	30.54	13.66	409.21	318.31	5,558.80	5,492.52	66.27	83.875		
13,500.00	7,141.41	6,625.00	6,506.76	189.91	30.54	13.66	409.21	318.31	5,658.16	5,591.83	66.33	85.302		
13,600.00	7,141.60	6,625.00	6,506.76	192.73	30.54	13.66	409.21	318.31	5,757.55	5,691.17	66.39	86.727		
13,700.00	7,141.79	6,625.00	6,506.76	195.54	30.54	13.66	409.21	318.31	5,856.96	5,790.52	66.44	88.148		
13,800.00	7,141.99	6,625.00	6,506.76	198.36	30.54	13.66	409.21	318.31	5,956.39	5,889.89	66.50	89.565		
13,900.00	7,142.18	6,625.00	6,506.76	201.18	30.54	13.66	409.21	318.31	6,055.84	5,989.27	66.56	90.980		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,582.20	6,464.61	204.01	30.37	12.53	405.91	311.79	6,153.23	6,086.61	66.62	92.361		
14,100.00	7,142.57	6,581.45	6,463.87	206.83	30.37	12.51	405.87	311.71	6,252.65	6,185.96	66.68	93.767		
14,200.00	7,142.76	6,580.73	6,463.15	209.65	30.36	12.49	405.83	311.64	6,352.08	6,285.33	66.75	95.169		
14,300.00	7,142.96	6,580.03	6,462.46	212.48	30.36	12.48	405.79	311.56	6,451.52	6,384.72	66.81	96.568		
14,400.00	7,143.15	6,579.35	6,461.78	215.30	30.36	12.46	405.75	311.49	6,550.99	6,484.11	66.87	97.964		
14,500.00	7,143.34	6,578.69	6,461.12	218.13	30.36	12.45	405.71	311.43	6,650.46	6,583.53	66.94	99.355		
14,600.00	7,143.54	6,578.04	6,460.48	220.96	30.35	12.43	405.68	311.36	6,749.95	6,682.95	67.00	100.743		
14,700.00	7,143.73	6,577.42	6,459.86	223.79	30.35	12.42	405.64	311.30	6,849.46	6,782.39	67.07	102.128		
14,800.00	7,143.93	6,576.80	6,459.25	226.62	30.35	12.40	405.61	311.24	6,948.98	6,881.85	67.13	103.508		
14,838.32	7,144.00	6,576.58	6,459.02	227.70	30.35	12.40	405.60	311.22	6,987.12	6,919.96	67.16	104.036		
14,900.00	7,144.12	6,576.21	6,458.66	229.45	30.35	-0.45	405.58	311.18	7,048.52	6,981.32	67.20	104.884		
15,000.00	7,144.32	6,575.62	6,458.07	232.26	30.34	-20.85	405.55	311.13	7,148.06	7,080.79	67.27	106.253		
15,027.81	7,144.37	6,575.45	6,457.91	233.04	30.34	-25.89	405.54	311.11	7,175.73	7,108.44	67.29	106.632		
15,100.00	7,144.51	6,532.00	6,414.55	235.07	30.17	-24.58	404.06	309.00	7,249.61	7,182.25	67.36	107.627		
15,200.00	7,144.71	6,532.00	6,414.55	237.87	30.17	-24.58	404.06	309.00	7,349.05	7,281.61	67.43	108.984		
15,300.00	7,144.91	6,532.00	6,414.55	240.68	30.17	-24.58	404.06	309.00	7,448.50	7,380.99	67.51	110.336		
15,400.00	7,145.10	6,532.00	6,414.55	243.48	30.17	-24.58	404.06	309.00	7,547.96	7,480.38	67.58	111.685		
15,500.00	7,145.30	6,532.00	6,414.55	246.29	30.17	-24.58	404.06	309.00	7,647.44	7,579.78	67.66	113.029		
15,600.00	7,145.50	6,532.00	6,414.55	249.10	30.17	-24.58	404.06	309.00	7,746.93	7,679.20	67.74	114.370		
15,700.00	7,145.69	6,532.00	6,414.55	251.91	30.17	-24.58	404.06	309.00	7,846.44	7,778.62	67.81	115.706		
15,800.00	7,145.89	6,532.00	6,414.55	254.71	30.17	-24.58	404.06	309.00	7,945.95	7,878.06	67.89	117.038		
15,900.00	7,146.09	6,532.00	6,414.55	257.52	30.17	-24.58	404.06	309.00	8,045.48	7,977.51	67.97	118.367		
16,000.00	7,146.28	6,532.00	6,414.55	260.34	30.17	-24.58	404.06	309.00	8,145.02	8,076.97	68.05	119.691		
16,100.00	7,146.48	6,532.00	6,414.55	263.15	30.17	-24.58	404.06	309.00	8,244.57	8,176.44	68.13	121.011		
16,200.00	7,146.68	6,532.00	6,414.55	265.96	30.17	-24.58	404.06	309.00	8,344.14	8,275.93	68.21	122.326		
16,300.00	7,146.87	6,532.00	6,414.55	268.77	30.17	-24.58	404.06	309.00	8,443.71	8,375.42	68.29	123.637		
16,400.00	7,147.07	6,532.00	6,414.55	271.58	30.17	-24.58	404.06	309.00	8,543.29	8,474.92	68.38	124.944		
16,500.00	7,147.27	6,532.00	6,414.55	274.40	30.17	-24.58	404.06	309.00	8,642.89	8,574.43	68.46	126.247		
16,600.00	7,147.46	6,532.00	6,414.55	277.21	30.17	-24.58	404.06	309.00	8,742.49	8,673.94	68.54	127.545		
16,700.00	7,147.66	6,532.00	6,414.55	280.03	30.17	-24.58	404.06	309.00	8,842.10	8,773.47	68.63	128.839		
16,800.00	7,147.86	6,532.00	6,414.55	282.84	30.17	-24.58	404.06	309.00	8,941.72	8,873.00	68.71	130.129		
16,900.00	7,148.05	6,532.00	6,414.55	285.66	30.17	-24.58	404.06	309.00	9,041.35	8,972.54	68.80	131.414		
17,000.00	7,148.25	6,532.00	6,414.55	288.48	30.17	-24.58	404.06	309.00	9,140.98	9,072.09	68.89	132.695		
17,100.00	7,148.45	6,532.00	6,414.55	291.29	30.17	-24.58	404.06	309.00	9,240.62	9,171.65	68.97	133.971		
17,200.00	7,148.64	6,532.00	6,414.55	294.11	30.17	-24.58	404.06	309.00	9,340.28	9,271.21	69.06	135.242		
17,300.00	7,148.84	6,532.00	6,414.55	296.93	30.17	-24.58	404.06	309.00	9,439.94	9,370.78	69.15	136.510		
17,400.00	7,149.04	6,532.00	6,414.55	299.75	30.17	-24.58	404.06	309.00	9,539.60	9,470.36	69.24	137.772		
17,500.00	7,149.23	6,532.00	6,414.55	302.57	30.17	-24.58	404.06	309.00	9,639.27	9,569.94	69.33	139.030		
17,600.00	7,149.43	6,532.00	6,414.55	305.39	30.17	-24.58	404.06	309.00	9,738.95	9,669.53	69.42	140.283		
17,700.00	7,149.63	6,532.00	6,414.55	308.21	30.17	-24.58	404.06	309.00	9,838.64	9,769.12	69.52	141.532		
17,800.00	7,149.82	6,532.00	6,414.55	311.03	30.17	-24.58	404.06	309.00	9,938.33	9,868.72	69.61	142.776		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	141.78	-642.63	506.15	818.10					
100.00	100.00	80.77	80.77	3.28	3.28	141.76	-642.85	506.52	818.47	811.90	6.57	124.578		
200.00	200.00	176.24	176.23	3.34	3.31	141.73	-643.62	507.83	819.94	813.29	6.65	123.275		
300.00	299.98	283.99	283.96	3.44	3.41	61.79	-644.18	509.20	820.31	813.46	6.85	119.683		
400.00	399.84	400.86	400.83	3.60	3.58	62.12	-643.07	510.00	817.54	810.36	7.18	113.801		
500.00	499.45	547.59	547.36	3.81	3.88	62.82	-636.03	509.17	809.46	801.74	7.72	104.833		
600.00	598.70	704.33	702.93	4.06	4.29	63.80	-617.80	504.95	793.07	784.62	8.45	93.851		
700.00	697.47	864.54	859.41	4.34	4.81	64.79	-584.19	499.52	767.21	757.89	9.32	82.280		
785.50	781.43	964.72	955.58	4.61	5.16	65.53	-556.25	496.80	739.75	729.82	9.93	74.481		
800.00	795.63	980.66	970.80	4.66	5.22	65.58	-551.57	496.37	734.85	724.81	10.04	73.209		
900.00	893.55	1,096.47	1,080.82	5.02	5.68	65.89	-515.68	492.13	699.16	688.37	10.79	64.797		
1,000.00	991.47	1,186.77	1,166.36	5.40	6.06	66.21	-487.08	487.72	662.32	650.87	11.45	57.840		
1,100.00	1,089.39	1,268.00	1,243.90	5.80	6.42	66.72	-463.37	482.97	626.93	614.82	12.11	51.768		
1,200.00	1,187.31	1,382.39	1,352.88	6.21	6.95	67.64	-429.63	474.57	590.53	577.59	12.93	45.654		
1,300.00	1,285.22	1,482.54	1,447.20	6.64	7.43	68.28	-396.67	467.87	551.82	538.10	13.72	40.215		
1,400.00	1,383.14	1,567.54	1,526.82	7.08	7.86	68.59	-367.14	464.24	513.00	498.51	14.49	35.403		
1,500.00	1,481.06	1,643.99	1,599.17	7.52	8.24	68.95	-342.56	462.00	476.94	461.67	15.27	31.232		
1,600.00	1,578.98	1,739.00	1,689.40	7.98	8.71	69.43	-312.86	460.14	442.19	426.08	16.11	27.454		
1,700.00	1,676.90	1,833.90	1,779.24	8.44	9.19	69.78	-282.29	459.26	407.19	390.24	16.96	24.015		
1,800.00	1,774.82	1,927.91	1,868.10	8.90	9.67	70.13	-251.60	458.66	371.99	354.18	17.82	20.880		
1,900.00	1,872.74	2,024.46	1,959.47	9.37	10.17	70.81	-220.49	456.65	336.45	317.78	18.68	18.015		
2,000.00	1,970.66	2,118.01	2,047.97	9.84	10.66	71.85	-190.33	453.50	300.33	280.78	19.55	15.362		
2,100.00	2,068.57	2,211.09	2,136.11	10.32	11.15	73.30	-160.64	449.84	264.35	243.92	20.43	12.937		
2,200.00	2,166.49	2,304.90	2,225.04	10.80	11.64	75.55	-131.17	445.01	228.44	207.12	21.32	10.715		
2,300.00	2,264.41	2,398.67	2,313.94	11.28	12.14	79.17	-102.07	438.44	192.58	170.36	22.22	8.668		
2,400.00	2,362.33	2,492.06	2,402.34	11.76	12.64	84.58	-72.81	431.28	157.18	134.03	23.14	6.791		
2,500.00	2,460.25	2,583.16	2,488.54	12.24	13.13	92.57	-44.13	424.48	123.61	99.43	24.18	5.111		
2,600.00	2,558.17	2,674.17	2,575.08	12.73	13.62	105.22	-16.71	418.19	95.25	69.88	25.36	3.756		
2,700.00	2,656.09	2,769.25	2,665.78	13.22	14.12	124.13	11.61	414.81	74.29	47.74	26.55	2.798		
2,800.00	2,754.01	2,862.82	2,754.83	13.71	14.62	150.22	40.25	412.97	64.58	36.82	27.77	2.326		
2,803.57	2,757.50	2,866.13	2,757.99	13.72	14.63	151.25	41.26	412.88	64.57	36.77	27.80	2.323 CC, ES, SF		
2,900.00	2,851.92	2,956.42	2,843.88	14.20	15.11	177.36	68.97	410.26	72.91	44.38	28.53	2.555		
3,000.00	2,949.84	3,052.56	2,935.11	14.69	15.63	-162.87	99.22	408.59	93.45	64.23	29.22	3.198		
3,100.00	3,047.76	3,146.76	3,024.36	15.18	16.13	-150.48	129.38	408.78	119.27	89.31	29.96	3.981		
3,200.00	3,145.68	3,239.38	3,112.17	15.67	16.63	-142.83	158.83	408.49	148.89	118.16	30.73	4.845		
3,300.00	3,243.60	3,331.13	3,199.06	16.17	17.13	-137.83	188.26	407.22	181.22	149.69	31.53	5.748		
3,400.00	3,341.52	3,424.50	3,287.62	16.66	17.63	-134.53	217.74	404.90	215.02	182.61	32.41	6.633		
3,500.00	3,439.44	3,527.76	3,386.01	17.16	18.18	-131.98	249.05	403.72	247.56	214.00	33.56	7.376		
3,600.00	3,537.36	3,623.02	3,477.18	17.65	18.68	-130.21	276.64	404.13	278.36	243.87	34.49	8.070		
3,700.00	3,635.27	3,719.85	3,570.23	18.15	19.18	-129.03	303.45	404.06	308.91	273.45	35.45	8.713		
3,800.00	3,733.19	3,811.65	3,658.34	18.65	19.65	-128.07	329.19	403.95	339.81	303.50	36.32	9.356		
3,900.00	3,831.11	3,904.74	3,747.28	19.14	20.14	-127.03	356.66	404.34	371.38	334.16	37.22	9.978		
4,000.00	3,929.03	3,995.52	3,833.68	19.64	20.63	-126.03	384.52	404.84	403.74	365.66	38.08	10.602		
4,100.00	4,026.95	4,085.99	3,919.48	20.14	21.12	-125.10	413.23	405.18	437.05	398.10	38.95	11.221		
4,200.00	4,124.87	4,173.42	4,001.94	20.64	21.60	-124.19	442.27	405.47	471.51	431.74	39.76	11.858		
4,300.00	4,222.79	4,260.86	4,083.94	21.14	22.09	-123.30	472.61	405.57	507.25	466.67	40.58	12.499		
4,400.00	4,320.71	4,368.62	4,185.52	21.64	22.69	-122.52	508.55	405.07	542.56	500.75	41.81	12.977		
4,500.00	4,418.62	4,471.81	4,284.03	22.14	23.24	-122.20	539.24	404.03	575.64	532.74	42.91	13.416		
4,600.00	4,516.54	4,570.70	4,378.89	22.64	23.76	-122.03	567.19	403.02	607.69	563.78	43.91	13.838		
4,700.00	4,614.46	4,663.33	4,468.05	23.14	24.24	-122.00	592.23	401.63	639.18	594.37	44.82	14.262		
4,800.00	4,712.38	4,737.00	4,538.64	23.64	24.63	-121.99	613.19	399.22	672.81	627.40	45.41	14.816		
4,900.00	4,810.30	4,819.81	4,617.43	24.14	25.08	-121.94	638.41	395.55	708.64	662.48	46.16	15.352		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,918.84	4,711.59	24.64	25.62	-121.90	668.72	390.86	744.80	697.60	47.20	15.780		
5,100.00	5,006.14	4,994.44	4,783.40	25.14	26.04	-121.89	691.98	386.78	781.51	733.68	47.83	16.341		
5,200.00	5,104.06	5,093.81	4,877.49	25.64	26.58	-121.88	723.31	380.52	819.36	770.48	48.88	16.763		
5,300.00	5,201.97	5,197.86	4,976.87	26.14	27.14	-122.07	753.25	373.15	855.74	805.74	49.99	17.117		
5,400.00	5,299.89	5,303.83	5,078.30	26.64	27.71	-122.19	783.28	367.09	890.92	839.80	51.12	17.428		
5,500.00	5,397.81	5,415.93	5,186.15	27.15	28.29	-122.36	813.33	361.46	924.58	872.27	52.31	17.675		
5,600.00	5,495.73	5,537.09	5,304.10	27.65	28.89	-122.90	839.66	353.13	955.93	902.37	53.56	17.848		
5,700.00	5,593.65	5,665.70	5,430.31	28.15	29.49	-123.59	862.97	345.04	984.47	929.65	54.82	17.959		
5,800.00	5,691.57	5,784.10	5,546.76	28.65	30.03	-124.02	884.14	341.91	1,010.38	954.45	55.93	18.065		
5,900.00	5,789.49	5,908.43	5,669.58	29.15	30.59	-124.51	903.28	340.24	1,033.66	976.61	57.05	18.118		
6,000.00	5,887.41	6,008.27	5,768.42	29.66	31.02	-124.90	917.41	339.84	1,055.51	997.54	57.97	18.208		
6,100.00	5,985.32	6,105.04	5,864.28	30.16	31.44	-125.31	930.55	338.55	1,077.68	1,018.82	58.86	18.308		
6,200.00	6,083.24	6,224.20	5,982.41	30.66	31.96	-125.79	946.15	337.84	1,099.10	1,039.20	59.90	18.348		
6,300.00	6,181.16	6,368.01	6,125.49	31.16	32.54	-126.42	960.36	339.76	1,116.84	1,055.83	61.01	18.306		
6,400.00	6,279.08	7,871.33	7,073.81	31.67	40.40	-88.57	998.96	1,230.97	1,130.03	1,085.34	44.69	25.288		
6,490.03	6,367.24	7,883.15	7,073.24	32.12	40.57	-87.71	998.81	1,242.78	1,065.85	1,017.74	48.10	22.157		
6,500.00	6,377.01	7,884.43	7,073.19	32.17	40.59	-85.84	998.79	1,244.06	1,058.95	1,010.45	48.50	21.834		
6,550.00	6,426.43	7,888.88	7,072.99	32.40	40.66	-72.94	998.72	1,248.51	1,024.91	974.40	50.51	20.292		
6,600.00	6,476.27	7,889.94	7,072.94	32.61	40.68	-34.26	998.71	1,249.56	992.02	939.48	52.54	18.881		
6,650.00	6,526.21	7,887.43	7,073.05	32.80	40.64	55.42	998.75	1,247.06	960.61	906.03	54.58	17.602		
6,700.00	6,575.96	7,881.21	7,073.33	32.98	40.55	79.29	998.83	1,240.84	931.01	874.42	56.59	16.451		
6,750.00	6,625.19	7,871.14	7,073.82	33.16	40.40	87.79	998.96	1,230.79	903.51	844.94	58.57	15.426		
6,800.00	6,673.62	7,857.13	7,074.55	33.35	40.19	92.31	999.13	1,216.80	878.34	817.87	60.47	14.524		
6,850.00	6,720.94	7,839.08	7,075.59	33.55	39.92	95.02	999.30	1,198.78	855.68	793.42	62.26	13.743		
6,900.00	6,766.86	7,816.37	7,077.02	33.76	39.60	96.56	999.47	1,176.12	835.61	771.71	63.91	13.075		
6,950.00	6,811.10	7,790.04	7,078.29	33.98	39.25	97.31	999.79	1,149.81	818.15	752.72	65.43	12.504		
7,000.00	6,853.38	7,762.15	7,079.02	34.23	38.89	97.54	1,000.33	1,121.94	803.31	736.49	66.82	12.022		
7,050.00	6,893.45	7,735.24	7,079.14	34.50	38.54	97.49	1,001.04	1,095.05	791.08	722.98	68.09	11.618		
7,100.00	6,931.05	7,646.56	7,071.48	34.79	37.53	93.50	1,002.18	1,006.81	780.27	711.55	68.72	11.354		
7,150.00	6,965.96	7,595.88	7,060.86	35.12	37.04	91.48	1,001.41	957.28	770.53	700.85	69.68	11.058		
7,200.00	6,997.96	7,551.91	7,048.58	35.47	36.66	89.65	1,000.12	915.09	762.59	692.06	70.52	10.813		
7,250.00	7,026.85	7,527.36	7,040.47	35.86	36.48	88.81	999.28	891.94	756.72	685.36	71.37	10.603		
7,300.00	7,052.45	7,507.32	7,033.08	36.29	36.35	88.02	998.87	873.31	753.44	681.31	72.13	10.446		
7,340.48	7,070.66	7,490.98	7,026.55	36.67	36.25	87.22	998.76	858.34	752.64	679.97	72.67	10.357		
7,350.00	7,074.61	7,487.13	7,024.94	36.76	36.22	87.01	998.76	854.83	752.68	679.90	72.78	10.342		
7,400.00	7,093.19	7,466.80	7,016.07	37.27	36.11	85.80	998.95	836.55	754.32	680.98	73.34	10.285		
7,450.00	7,108.07	7,445.15	7,005.88	37.81	36.00	84.34	999.46	817.45	758.20	684.39	73.82	10.271		
7,500.00	7,119.17	7,417.35	6,992.06	38.39	35.87	82.45	1,000.38	793.35	763.93	689.73	74.21	10.295		
7,550.00	7,126.41	7,389.06	6,977.29	38.99	35.76	80.48	1,001.51	769.25	771.14	696.61	74.54	10.346		
7,600.00	7,129.75	7,362.58	6,962.83	39.62	35.66	78.56	1,002.74	747.10	779.57	704.73	74.84	10.417		
7,616.41	7,130.00	7,348.17	6,954.71	39.83	35.61	77.69	1,003.47	735.21	782.56	707.67	74.89	10.449		
7,700.00	7,130.16	7,277.47	6,912.96	40.97	35.41	74.71	1,006.13	678.24	799.03	723.91	75.12	10.637		
7,800.00	7,130.35	7,184.28	6,853.88	42.46	35.19	70.59	1,006.71	606.20	821.76	746.63	75.12	10.939		
7,900.00	7,130.55	7,109.77	6,804.06	44.09	35.02	67.19	1,004.53	550.84	847.92	772.72	75.19	11.276		
8,000.00	7,130.74	7,053.63	6,764.59	45.84	34.89	64.56	1,001.82	511.01	879.24	803.83	75.41	11.660		
8,100.00	7,130.94	7,013.76	6,735.10	47.70	34.79	62.66	999.81	484.27	917.00	841.22	75.78	12.101		
8,200.00	7,131.13	6,979.00	6,708.33	49.65	34.70	60.98	998.13	462.17	961.14	885.04	76.10	12.630		
8,300.00	7,131.32	6,950.95	6,685.91	51.70	34.62	59.61	996.81	445.37	1,011.36	934.93	76.43	13.232		
8,400.00	7,131.52	6,927.02	6,666.14	53.81	34.56	58.44	995.69	431.93	1,067.22	990.51	76.71	13.912		
8,500.00	7,131.71	6,885.00	6,630.10	55.99	34.44	56.36	993.76	410.42	1,128.61	1,052.02	76.59	14.736		
8,600.00	7,131.90	6,885.00	6,630.10	58.24	34.44	56.36	993.76	410.42	1,193.44	1,116.37	77.06	15.487		
8,700.00	7,132.10	6,885.00	6,630.10	60.53	34.44	56.36	993.76	410.42	1,262.86	1,185.47	77.40	16.317		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,850.05	6,598.98	62.87	34.32	54.62	991.72	394.68	1,335.00	1,257.78	77.22	17.288		
8,900.00	7,132.49	6,834.78	6,585.09	65.25	34.27	53.86	990.55	388.45	1,410.32	1,333.07	77.24	18.258		
9,000.00	7,132.68	6,821.33	6,572.72	67.68	34.23	53.18	989.37	383.29	1,488.17	1,410.92	77.25	19.264		
9,100.00	7,132.87	6,790.00	6,543.49	70.13	34.12	51.61	986.14	372.51	1,568.61	1,491.59	77.01	20.368		
9,200.00	7,133.07	6,790.00	6,543.49	72.61	34.12	51.61	986.14	372.51	1,650.32	1,573.19	77.12	21.398		
9,300.00	7,133.26	6,790.00	6,543.49	75.13	34.12	51.61	986.14	372.51	1,733.94	1,656.75	77.19	22.463		
9,400.00	7,133.46	6,790.00	6,543.49	77.66	34.12	51.61	986.14	372.51	1,819.23	1,742.00	77.23	23.556		
9,500.00	7,133.65	6,790.00	6,543.49	80.22	34.12	51.61	986.14	372.51	1,905.94	1,828.70	77.24	24.675		
9,600.00	7,133.84	6,790.00	6,543.49	82.80	34.12	51.61	986.14	372.51	1,993.90	1,916.66	77.24	25.815		
9,700.00	7,134.04	6,790.00	6,543.49	85.40	34.12	51.61	986.14	372.51	2,082.94	2,005.72	77.22	26.974		
9,800.00	7,134.23	6,790.00	6,543.49	88.01	34.12	51.61	986.14	372.51	2,172.94	2,095.74	77.19	28.149		
9,900.00	7,134.43	6,790.00	6,543.49	90.64	34.12	51.61	986.14	372.51	2,263.78	2,186.61	77.16	29.338		
10,000.00	7,134.62	6,750.12	6,505.45	93.28	33.98	49.64	982.01	361.28	2,353.48	2,276.57	76.91	30.600		
10,100.00	7,134.81	6,745.88	6,501.36	95.94	33.96	49.44	981.62	360.26	2,445.32	2,368.46	76.86	31.813		
10,200.00	7,135.01	6,741.90	6,497.51	98.61	33.95	49.25	981.27	359.32	2,537.74	2,460.92	76.82	33.035		
10,300.00	7,135.20	6,738.16	6,493.88	101.28	33.94	49.07	980.94	358.46	2,630.67	2,553.90	76.77	34.265		
10,400.00	7,135.39	6,734.62	6,490.44	103.97	33.92	48.90	980.64	357.68	2,724.08	2,647.35	76.73	35.501		
10,500.00	7,135.59	6,695.00	6,451.61	106.67	33.78	47.07	977.74	350.44	2,819.42	2,742.87	76.55	36.833		
10,600.00	7,135.78	6,695.00	6,451.61	109.38	33.78	47.07	977.74	350.44	2,913.38	2,836.85	76.53	38.070		
10,700.00	7,135.98	6,695.00	6,451.61	112.09	33.78	47.07	977.74	350.44	3,007.73	2,931.22	76.51	39.312		
10,800.00	7,136.17	6,695.00	6,451.61	114.81	33.78	47.07	977.74	350.44	3,102.44	3,025.95	76.49	40.559		
10,900.00	7,136.36	6,695.00	6,451.61	117.54	33.78	47.07	977.74	350.44	3,197.47	3,121.00	76.47	41.812		
11,000.00	7,136.56	6,695.00	6,451.61	120.28	33.78	47.07	977.74	350.44	3,292.80	3,216.34	76.46	43.068		
11,100.00	7,136.75	6,695.00	6,451.61	123.02	33.78	47.07	977.74	350.44	3,388.39	3,311.95	76.44	44.328		
11,200.00	7,136.95	6,695.00	6,451.61	125.76	33.78	47.07	977.74	350.44	3,484.23	3,407.81	76.42	45.591		
11,300.00	7,137.14	6,695.00	6,451.61	128.52	33.78	47.07	977.74	350.44	3,580.30	3,503.89	76.41	46.857		
11,400.00	7,137.33	6,695.00	6,451.61	131.27	33.78	47.07	977.74	350.44	3,676.58	3,600.18	76.40	48.125		
11,500.00	7,137.53	6,695.00	6,451.61	134.03	33.78	47.07	977.74	350.44	3,773.05	3,696.66	76.39	49.395		
11,600.00	7,137.72	6,695.00	6,451.61	136.80	33.78	47.07	977.74	350.44	3,869.70	3,793.32	76.38	50.667		
11,700.00	7,137.92	6,695.00	6,451.61	139.57	33.78	47.07	977.74	350.44	3,966.52	3,890.15	76.37	51.940		
11,800.00	7,138.11	6,695.00	6,451.61	142.34	33.78	47.07	977.74	350.44	4,063.49	3,987.13	76.36	53.214		
11,900.00	7,138.30	6,695.00	6,451.61	145.12	33.78	47.07	977.74	350.44	4,160.60	4,084.25	76.36	54.489		
12,000.00	7,138.50	6,695.00	6,451.61	147.90	33.78	47.07	977.74	350.44	4,257.85	4,181.50	76.35	55.765		
12,100.00	7,138.69	6,695.00	6,451.61	150.68	33.78	47.07	977.74	350.44	4,355.22	4,278.87	76.35	57.041		
12,200.00	7,138.88	6,695.00	6,451.61	153.47	33.78	47.07	977.74	350.44	4,452.71	4,376.36	76.35	58.318		
12,300.00	7,139.08	6,695.00	6,451.61	156.26	33.78	47.07	977.74	350.44	4,550.31	4,473.96	76.35	59.594		
12,400.00	7,139.27	6,695.00	6,451.61	159.05	33.78	47.07	977.74	350.44	4,648.01	4,571.65	76.36	60.871		
12,500.00	7,139.47	6,695.00	6,451.61	161.85	33.78	47.07	977.74	350.44	4,745.81	4,669.44	76.36	62.147		
12,600.00	7,139.66	6,695.00	6,451.61	164.64	33.78	47.07	977.74	350.44	4,843.69	4,767.32	76.37	63.422		
12,700.00	7,139.85	6,695.00	6,451.61	167.44	33.78	47.07	977.74	350.44	4,941.66	4,865.28	76.38	64.697		
12,800.00	7,140.05	6,695.00	6,451.61	170.24	33.78	47.07	977.74	350.44	5,039.71	4,963.32	76.39	65.972		
12,900.00	7,140.24	6,695.00	6,451.61	173.05	33.78	47.07	977.74	350.44	5,137.84	5,061.43	76.40	67.245		
13,000.00	7,140.44	6,695.00	6,451.61	175.85	33.78	47.07	977.74	350.44	5,236.04	5,159.62	76.42	68.518		
13,100.00	7,140.63	6,695.00	6,451.61	178.66	33.78	47.07	977.74	350.44	5,334.30	5,257.86	76.43	69.789		
13,200.00	7,140.82	6,695.00	6,451.61	181.47	33.78	47.07	977.74	350.44	5,432.63	5,356.17	76.45	71.059		
13,300.00	7,141.02	6,695.00	6,451.61	184.28	33.78	47.07	977.74	350.44	5,531.01	5,454.54	76.47	72.328		
13,400.00	7,141.21	6,695.00	6,451.61	187.10	33.78	47.07	977.74	350.44	5,629.46	5,552.97	76.49	73.596		
13,500.00	7,141.41	6,695.00	6,451.61	189.91	33.78	47.07	977.74	350.44	5,727.95	5,651.44	76.51	74.862		
13,600.00	7,141.60	6,695.00	6,451.61	192.73	33.78	47.07	977.74	350.44	5,826.50	5,749.97	76.54	76.127		
13,700.00	7,141.79	6,695.00	6,451.61	195.54	33.78	47.07	977.74	350.44	5,925.10	5,848.54	76.56	77.390		
13,800.00	7,141.99	6,695.00	6,451.61	198.36	33.78	47.07	977.74	350.44	6,023.74	5,947.16	76.59	78.651		
13,900.00	7,142.18	6,695.00	6,451.61	201.18	33.78	47.07	977.74	350.44	6,122.43	6,045.82	76.62	79.911		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,695.00	6,451.61	204.01	33.78	47.07	977.74	350.44	6,221.16	6,144.52	76.65	81.168		
14,100.00	7,142.57	6,695.00	6,451.61	206.83	33.78	47.07	977.74	350.44	6,319.93	6,243.26	76.68	82.424		
14,200.00	7,142.76	6,695.00	6,451.61	209.65	33.78	47.07	977.74	350.44	6,418.74	6,342.03	76.71	83.677		
14,300.00	7,142.96	6,695.00	6,451.61	212.48	33.78	47.07	977.74	350.44	6,517.58	6,440.84	76.74	84.929		
14,400.00	7,143.15	6,695.00	6,451.61	215.30	33.78	47.07	977.74	350.44	6,616.46	6,539.69	76.78	86.178		
14,500.00	7,143.34	6,695.00	6,451.61	218.13	33.78	47.07	977.74	350.44	6,715.37	6,638.56	76.81	87.426		
14,600.00	7,143.54	6,695.00	6,451.61	220.96	33.78	47.07	977.74	350.44	6,814.32	6,737.47	76.85	88.670		
14,700.00	7,143.73	6,695.00	6,451.61	223.79	33.78	47.07	977.74	350.44	6,913.29	6,836.40	76.89	89.913		
14,800.00	7,143.93	6,695.00	6,451.61	226.62	33.78	47.07	977.74	350.44	7,012.30	6,935.37	76.93	91.153		
14,838.32	7,144.00	6,695.00	6,451.61	227.70	33.78	47.07	977.74	350.44	7,050.24	6,973.30	76.94	91.628		
14,900.00	7,144.12	6,695.00	6,451.61	229.45	33.78	40.33	977.74	350.44	7,111.39	7,034.42	76.97	92.390		
15,000.00	7,144.32	6,695.00	6,451.61	232.26	33.78	25.51	977.74	350.44	7,210.76	7,133.73	77.02	93.621		
15,027.81	7,144.37	6,695.00	6,451.61	233.04	33.78	20.44	977.74	350.44	7,238.42	7,161.39	77.04	93.962		
15,100.00	7,144.51	6,695.00	6,451.61	235.07	33.78	20.44	977.74	350.44	7,310.27	7,233.19	77.08	94.845		
15,200.00	7,144.71	6,695.00	6,451.61	237.87	33.78	20.44	977.74	350.44	7,409.80	7,332.67	77.13	96.067		
15,300.00	7,144.91	6,695.00	6,451.61	240.68	33.78	20.44	977.74	350.44	7,509.34	7,432.15	77.19	97.286		
15,400.00	7,145.10	6,695.00	6,451.61	243.48	33.78	20.44	977.74	350.44	7,608.90	7,531.65	77.25	98.503		
15,500.00	7,145.30	6,695.00	6,451.61	246.29	33.78	20.44	977.74	350.44	7,708.46	7,631.16	77.30	99.716		
15,600.00	7,145.50	6,695.00	6,451.61	249.10	33.78	20.44	977.74	350.44	7,808.04	7,730.68	77.36	100.927		
15,700.00	7,145.69	6,695.00	6,451.61	251.91	33.78	20.44	977.74	350.44	7,907.63	7,830.20	77.42	102.135		
15,800.00	7,145.89	6,695.00	6,451.61	254.71	33.78	20.44	977.74	350.44	8,007.23	7,929.74	77.48	103.340		
15,900.00	7,146.09	6,695.00	6,451.61	257.52	33.78	20.44	977.74	350.44	8,106.83	8,029.29	77.55	104.542		
16,000.00	7,146.28	6,695.00	6,451.61	260.34	33.78	20.44	977.74	350.44	8,206.45	8,128.84	77.61	105.742		
16,100.00	7,146.48	6,695.00	6,451.61	263.15	33.78	20.44	977.74	350.44	8,306.08	8,228.41	77.67	106.938		
16,200.00	7,146.68	6,651.92	6,408.89	265.96	33.62	19.15	975.34	345.49	8,404.20	8,326.50	77.70	108.160		
16,300.00	7,146.87	6,651.32	6,408.29	268.77	33.62	19.13	975.31	345.44	8,503.81	8,426.04	77.77	109.351		
16,400.00	7,147.07	6,650.74	6,407.71	271.58	33.62	19.11	975.28	345.40	8,603.42	8,525.59	77.83	110.538		
16,500.00	7,147.27	6,650.16	6,407.13	274.40	33.62	19.10	975.26	345.35	8,703.04	8,625.14	77.90	111.723		
16,600.00	7,147.46	6,649.60	6,406.57	277.21	33.61	19.08	975.23	345.30	8,802.67	8,724.70	77.97	112.905		
16,700.00	7,147.66	6,649.05	6,406.02	280.03	33.61	19.07	975.20	345.26	8,902.30	8,824.27	78.03	114.084		
16,800.00	7,147.86	6,648.51	6,405.49	282.84	33.61	19.05	975.18	345.22	9,001.95	8,923.85	78.10	115.259		
16,900.00	7,148.05	6,647.98	6,404.96	285.66	33.61	19.04	975.15	345.18	9,101.60	9,023.43	78.17	116.432		
17,000.00	7,148.25	6,647.46	6,404.44	288.48	33.61	19.02	975.13	345.14	9,201.26	9,123.02	78.24	117.601		
17,100.00	7,148.45	6,646.95	6,403.94	291.29	33.60	19.01	975.10	345.10	9,300.92	9,222.61	78.31	118.767		
17,200.00	7,148.64	6,646.45	6,403.44	294.11	33.60	19.00	975.08	345.06	9,400.59	9,322.21	78.38	119.930		
17,300.00	7,148.84	6,645.96	6,402.96	296.93	33.60	18.98	975.06	345.03	9,500.27	9,421.82	78.46	121.090		
17,400.00	7,149.04	6,645.49	6,402.48	299.75	33.60	18.97	975.03	344.99	9,599.96	9,521.43	78.53	122.246		
17,500.00	7,149.23	6,645.02	6,402.01	302.57	33.60	18.96	975.01	344.96	9,699.65	9,621.04	78.60	123.399		
17,600.00	7,149.43	6,644.56	6,401.55	305.39	33.59	18.94	974.99	344.92	9,799.34	9,720.67	78.68	124.549		
17,700.00	7,149.63	6,601.00	6,358.07	308.21	33.43	17.82	973.25	343.20	9,900.54	9,821.81	78.73	125.754		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	142.63	-662.66	506.15	833.93					
100.00	100.00	97.54	97.54	3.28	3.29	142.62	-662.20	505.93	833.40	826.83	6.57	126.806		
200.00	200.00	207.11	207.10	3.34	3.31	142.59	-660.58	505.17	831.80	825.15	6.65	125.074		
300.00	299.98	316.59	316.53	3.44	3.36	62.73	-657.80	503.85	828.24	821.44	6.80	121.786		
400.00	399.84	425.78	425.64	3.60	3.41	63.13	-653.86	501.99	821.96	814.94	7.02	117.083		
500.00	499.45	550.55	550.15	3.81	3.60	63.83	-646.46	499.40	812.06	804.64	7.43	109.364		
600.00	598.70	670.77	669.75	4.06	3.85	64.64	-634.51	497.51	797.78	789.84	7.94	100.466		
700.00	697.47	796.17	793.88	4.34	4.18	65.61	-616.85	496.44	779.20	770.63	8.57	90.903		
785.50	781.43	906.93	902.74	4.61	4.52	66.63	-596.47	495.30	759.17	749.98	9.20	82.562		
800.00	795.63	926.87	922.24	4.66	4.58	66.76	-592.33	495.01	755.39	746.07	9.31	81.100		
900.00	893.55	1,050.91	1,042.83	5.02	5.01	67.51	-563.44	492.10	726.69	716.60	10.09	72.037		
1,000.00	991.47	1,148.83	1,137.63	5.40	5.38	68.20	-539.22	488.32	696.17	685.40	10.77	64.641		
1,100.00	1,089.39	1,252.05	1,237.60	5.80	5.79	69.08	-514.01	483.46	665.59	654.07	11.52	57.774		
1,200.00	1,187.31	1,371.31	1,352.35	6.21	6.30	70.26	-482.47	475.65	632.53	620.17	12.36	51.190		
1,300.00	1,285.22	1,467.12	1,443.75	6.64	6.74	71.14	-454.38	469.80	597.43	584.30	13.13	45.509		
1,400.00	1,383.14	1,569.21	1,540.72	7.08	7.22	72.06	-422.95	464.15	561.50	547.56	13.94	40.289		
1,500.00	1,481.06	1,644.09	1,612.07	7.52	7.57	72.77	-400.46	460.84	526.78	512.08	14.71	35.822		
1,600.00	1,578.98	1,729.50	1,693.94	7.98	7.98	73.63	-376.28	458.35	494.43	478.91	15.52	31.856		
1,700.00	1,676.90	1,817.88	1,779.10	8.44	8.40	74.80	-352.91	455.22	463.58	447.22	16.36	28.336		
1,800.00	1,774.82	1,913.13	1,871.21	8.90	8.85	76.43	-328.99	450.91	433.72	416.50	17.22	25.184		
1,900.00	1,872.74	2,014.91	1,969.34	9.37	9.34	78.41	-302.45	446.05	403.27	385.18	18.09	22.289		
2,000.00	1,970.66	2,112.39	2,062.90	9.84	9.82	80.52	-275.47	441.37	371.79	352.82	18.97	19.596		
2,100.00	2,068.57	2,203.60	2,150.40	10.32	10.28	82.76	-249.99	437.50	340.78	320.90	19.88	17.143		
2,200.00	2,166.49	2,308.14	2,250.28	10.80	10.81	85.56	-219.36	434.17	309.42	288.68	20.74	14.921		
2,300.00	2,264.41	2,395.36	2,333.46	11.28	11.26	88.45	-193.33	431.05	278.09	256.39	21.70	12.813		
2,400.00	2,362.33	2,489.87	2,423.88	11.76	11.74	92.35	-166.03	427.69	248.65	226.01	22.64	10.981		
2,500.00	2,460.25	2,578.71	2,509.12	12.24	12.19	96.90	-141.18	424.69	221.48	197.82	23.66	9.362		
2,600.00	2,558.17	2,675.66	2,602.35	12.73	12.68	102.89	-114.72	422.13	196.91	172.29	24.62	7.997		
2,700.00	2,656.09	2,772.28	2,694.92	13.22	13.18	110.19	-87.11	420.40	173.57	147.96	25.61	6.777		
2,800.00	2,754.01	2,870.42	2,788.45	13.71	13.69	119.72	-57.40	418.86	152.06	125.46	26.60	5.717		
2,900.00	2,851.92	2,963.17	2,876.60	14.20	14.18	131.20	-28.61	417.49	135.02	107.31	27.70	4.874		
3,000.00	2,949.84	3,055.49	2,964.58	14.69	14.66	144.71	-0.70	415.69	126.24	97.48	28.77	4.389		
3,034.36	2,983.49	3,086.67	2,994.43	14.86	14.82	149.41	8.28	415.05	125.60	96.50	29.10	4.316 CC, ES		
3,100.00	3,047.76	3,147.35	3,052.84	15.18	15.13	158.11	24.68	413.84	127.81	98.13	29.68	4.306 SF		
3,200.00	3,145.68	3,243.54	3,145.31	15.67	15.63	171.04	51.12	411.94	137.18	106.67	30.50	4.497		
3,300.00	3,243.60	3,337.30	3,234.91	16.17	16.12	-177.61	78.62	409.78	152.90	121.63	31.27	4.890		
3,400.00	3,341.52	3,431.22	3,325.21	16.66	16.60	-169.11	104.32	407.46	173.92	141.87	32.05	5.427		
3,500.00	3,439.44	3,522.22	3,413.12	17.16	17.06	-163.16	127.62	404.09	198.96	166.17	32.78	6.069		
3,600.00	3,537.36	3,612.76	3,500.14	17.65	17.53	-158.23	152.12	399.20	227.62	194.09	33.53	6.790		
3,700.00	3,635.27	3,708.81	3,592.31	18.15	18.03	-154.06	178.59	393.81	257.96	223.52	34.44	7.490		
3,800.00	3,733.19	3,806.24	3,686.15	18.65	18.54	-150.89	204.37	389.22	288.10	252.70	35.40	8.139		
3,900.00	3,831.11	3,898.71	3,774.97	19.14	19.02	-148.23	229.79	385.52	318.60	282.35	36.25	8.789		
4,000.00	3,929.03	3,984.94	3,856.68	19.64	19.49	-145.55	257.17	382.30	351.14	314.17	36.97	9.497		
4,100.00	4,026.95	4,068.97	3,935.13	20.14	19.97	-142.88	287.05	378.76	386.47	348.81	37.66	10.263		
4,200.00	4,124.87	4,160.72	4,020.41	20.64	20.50	-140.35	320.58	374.32	423.54	384.99	38.56	10.985		
4,300.00	4,222.79	4,251.34	4,105.12	21.14	21.01	-138.47	352.34	369.04	461.23	421.79	39.44	11.696		
4,400.00	4,320.71	4,372.14	4,219.86	21.64	21.67	-136.87	389.54	362.99	496.34	455.39	40.95	12.121		
4,500.00	4,418.62	4,472.12	4,316.35	22.14	22.19	-136.20	415.33	358.63	528.46	486.49	41.97	12.591		
4,600.00	4,516.54	4,566.08	4,407.14	22.64	22.67	-135.68	439.16	354.57	560.38	517.50	42.88	13.069		
4,700.00	4,614.46	4,661.81	4,499.53	23.14	23.16	-135.15	463.97	350.79	592.35	548.52	43.82	13.517		
4,800.00	4,712.38	4,760.34	4,594.36	23.64	23.67	-134.50	490.61	348.17	623.97	579.15	44.81	13.924		
4,900.00	4,810.30	4,856.29	4,687.17	24.14	24.16	-134.09	514.72	345.05	655.03	609.27	45.76	14.315		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,946.41	4,774.23	24.64	24.62	-133.73	537.77	341.90	686.57	639.96	46.61	14.729		
5,100.00	5,006.14	5,037.94	4,862.51	25.14	25.10	-133.37	561.68	338.36	718.72	671.23	47.49	15.134		
5,200.00	5,104.06	5,130.67	4,951.95	25.64	25.58	-133.06	585.88	334.50	751.12	702.73	48.39	15.521		
5,300.00	5,201.97	5,227.93	5,045.40	26.14	26.08	-132.63	612.62	331.17	783.79	734.42	49.37	15.876		
5,400.00	5,299.89	5,376.52	5,189.57	26.64	26.83	-132.31	648.16	327.61	814.02	763.03	50.98	15.966		
5,500.00	5,397.81	5,499.24	5,310.71	27.15	27.38	-132.58	667.59	325.97	838.25	786.12	52.13	16.081		
5,600.00	5,495.73	5,618.35	5,428.95	27.65	27.89	-133.06	681.93	324.63	860.21	807.04	53.17	16.177		
5,700.00	5,593.65	5,748.65	5,558.88	28.15	28.41	-133.84	691.59	324.21	878.89	824.67	54.22	16.210		
5,800.00	5,691.57	5,840.14	5,650.22	28.65	28.76	-134.44	696.70	324.36	896.24	841.20	55.05	16.281		
5,900.00	5,789.49	5,923.44	5,733.38	29.15	29.09	-134.98	701.60	323.53	914.81	858.98	55.83	16.386		
6,000.00	5,887.41	6,029.43	5,839.16	29.66	29.51	-135.67	707.85	321.80	934.02	877.29	56.73	16.463		
6,100.00	5,985.32	6,149.18	5,958.80	30.16	29.97	-136.47	712.82	321.42	951.26	893.56	57.69	16.488		
6,200.00	6,083.24	6,248.76	6,058.34	30.66	30.34	-137.17	715.61	321.24	967.85	909.30	58.55	16.531		
6,300.00	6,181.16	6,353.51	6,163.09	31.16	30.72	-137.98	716.79	320.74	983.97	924.56	59.41	16.561		
6,400.00	6,279.08	6,454.69	6,264.26	31.67	31.09	-138.78	717.06	320.25	999.83	939.57	60.26	16.592		
6,490.03	6,367.24	7,898.49	7,140.04	32.12	39.03	-99.20	731.21	1,185.85	940.60	905.39	35.21	26.715		
6,500.00	6,377.01	7,900.53	7,140.05	32.17	39.07	-96.80	731.25	1,187.89	932.30	896.74	35.56	26.220		
6,550.00	6,426.43	7,908.32	7,140.08	32.40	39.18	-81.05	731.40	1,195.68	890.73	853.36	37.36	23.839		
6,600.00	6,476.27	7,912.05	7,140.10	32.61	39.24	-39.50	731.46	1,199.41	849.55	810.27	39.28	21.629		
6,650.00	6,526.21	7,911.72	7,140.10	32.80	39.24	52.87	731.46	1,199.08	809.16	767.86	41.30	19.592		
6,700.00	6,575.96	7,907.38	7,140.08	32.98	39.17	79.09	731.38	1,194.74	769.93	726.50	43.43	17.727		
6,750.00	6,625.19	7,899.09	7,140.05	33.16	39.04	89.55	731.22	1,186.45	732.25	686.57	45.67	16.032		
6,800.00	6,673.62	7,886.94	7,139.99	33.35	38.86	95.67	731.00	1,174.30	696.48	648.47	48.01	14.507		
6,850.00	6,720.94	7,871.03	7,139.90	33.55	38.62	99.63	730.72	1,158.40	662.96	612.55	50.41	13.151		
6,900.00	6,766.86	7,853.78	7,139.80	33.76	38.37	102.41	730.43	1,141.15	632.03	579.15	52.88	11.952		
6,950.00	6,811.10	7,833.91	7,139.72	33.98	38.10	104.19	730.19	1,121.28	604.02	548.67	55.35	10.912		
7,000.00	6,853.38	7,810.87	7,139.69	34.23	37.79	105.13	730.01	1,098.24	579.18	521.42	57.76	10.027		
7,050.00	6,893.45	7,784.78	7,139.72	34.50	37.43	105.38	729.97	1,072.15	557.67	497.61	60.05	9.286		
7,100.00	6,931.05	7,749.40	7,139.77	34.79	36.98	104.56	730.03	1,036.77	539.43	477.30	62.13	8.683		
7,150.00	6,965.96	7,708.47	7,139.25	35.12	36.50	103.11	729.88	995.85	523.89	459.90	63.99	8.187		
7,200.00	6,997.96	7,669.84	7,137.48	35.47	36.08	101.59	729.94	957.26	511.06	445.34	65.72	7.776		
7,250.00	7,026.85	7,633.38	7,134.42	35.86	35.69	100.00	730.33	920.93	500.97	433.70	67.27	7.447		
7,300.00	7,052.45	7,579.72	7,126.91	36.29	35.21	96.97	731.03	867.82	493.14	424.53	68.61	7.187		
7,350.00	7,074.61	7,530.08	7,115.96	36.76	34.82	93.99	731.08	819.42	486.85	417.07	69.78	6.977		
7,400.00	7,093.19	7,496.04	7,106.23	37.27	34.61	91.93	731.20	786.80	482.77	411.94	70.83	6.816		
7,450.00	7,108.07	7,462.85	7,094.97	37.81	34.42	89.73	731.81	755.59	481.41	409.73	71.68	6.716		
7,450.83	7,108.29	7,462.30	7,094.77	37.82	34.42	89.69	731.82	755.08	481.41	409.72	71.69	6.715		
7,500.00	7,119.17	7,427.62	7,081.16	38.39	34.26	87.21	732.95	723.21	482.61	410.27	72.34	6.671		
7,550.00	7,126.41	7,382.90	7,061.18	38.99	34.09	83.96	734.15	683.23	485.47	412.67	72.81	6.668		
7,600.00	7,129.75	7,339.58	7,039.38	39.62	33.96	80.77	734.68	645.80	489.47	416.38	73.09	6.697		
7,616.41	7,130.00	7,325.39	7,031.69	39.83	33.92	79.72	734.70	633.87	491.00	417.83	73.17	6.711		
7,700.00	7,130.16	7,259.74	6,992.26	40.97	33.74	75.17	733.60	581.45	501.36	428.01	73.36	6.835		
7,800.00	7,130.35	7,202.22	6,953.24	42.46	33.58	70.79	731.68	539.26	522.09	448.64	73.45	7.109		
7,900.00	7,130.55	7,154.00	6,918.13	44.09	33.45	67.02	730.40	506.23	553.53	480.23	73.30	7.552		
8,000.00	7,130.74	7,108.42	6,883.01	45.84	33.32	63.42	729.19	477.22	595.00	522.08	72.93	8.159		
8,100.00	7,130.94	7,060.00	6,843.71	47.70	33.18	59.61	727.57	449.00	645.55	573.28	72.26	8.933		
8,200.00	7,131.13	7,034.04	6,821.91	49.65	33.10	57.60	726.54	434.95	703.54	631.47	72.07	9.762		
8,300.00	7,131.32	7,001.47	6,794.00	51.70	33.00	55.13	725.09	418.22	767.94	696.28	71.66	10.716		
8,400.00	7,131.52	6,966.00	6,762.94	53.81	32.89	52.51	723.31	401.19	837.57	766.39	71.18	11.767		
8,500.00	7,131.71	6,966.00	6,762.94	55.99	32.89	52.51	723.31	401.19	911.75	840.36	71.39	12.771		
8,600.00	7,131.90	6,933.41	6,733.73	58.24	32.79	50.20	721.71	386.85	989.15	918.16	70.99	13.934		
8,700.00	7,132.10	6,917.50	6,719.21	60.53	32.73	49.10	721.05	380.37	1,069.89	999.02	70.87	15.097		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,903.19	6,706.02	62.87	32.69	48.14	720.51	374.85	1,153.13	1,082.37	70.76	16.295		
8,900.00	7,132.49	6,872.00	6,676.86	65.25	32.58	46.12	719.54	363.81	1,238.84	1,168.37	70.47	17.580		
9,000.00	7,132.68	6,872.00	6,676.86	67.68	32.58	46.12	719.54	363.81	1,325.54	1,255.01	70.53	18.794		
9,100.00	7,132.87	6,872.00	6,676.86	70.13	32.58	46.12	719.54	363.81	1,414.00	1,343.44	70.55	20.042		
9,200.00	7,133.07	6,872.00	6,676.86	72.61	32.58	46.12	719.54	363.81	1,503.90	1,433.35	70.55	21.316		
9,300.00	7,133.26	6,872.00	6,676.86	75.13	32.58	46.12	719.54	363.81	1,595.01	1,524.48	70.53	22.613		
9,400.00	7,133.46	6,838.99	6,645.50	77.66	32.47	44.10	718.85	353.58	1,686.03	1,615.70	70.33	23.972		
9,500.00	7,133.65	6,830.86	6,637.69	80.22	32.44	43.62	718.73	351.27	1,778.42	1,708.13	70.29	25.303		
9,600.00	7,133.84	6,823.30	6,630.43	82.80	32.41	43.18	718.65	349.21	1,871.47	1,801.23	70.24	26.643		
9,700.00	7,134.04	6,816.28	6,623.65	85.40	32.39	42.78	718.59	347.36	1,965.11	1,894.91	70.20	27.992		
9,800.00	7,134.23	6,777.00	6,585.45	88.01	32.25	40.66	718.56	338.23	2,060.28	1,990.22	70.05	29.410		
9,900.00	7,134.43	6,777.00	6,585.45	90.64	32.25	40.66	718.56	338.23	2,154.53	2,084.47	70.06	30.754		
10,000.00	7,134.62	6,777.00	6,585.45	93.28	32.25	40.66	718.56	338.23	2,249.28	2,179.22	70.05	32.108		
10,100.00	7,134.81	6,777.00	6,585.45	95.94	32.25	40.66	718.56	338.23	2,344.46	2,274.41	70.05	33.469		
10,200.00	7,135.01	6,777.00	6,585.45	98.61	32.25	40.66	718.56	338.23	2,440.03	2,369.99	70.04	34.837		
10,300.00	7,135.20	6,777.00	6,585.45	101.28	32.25	40.66	718.56	338.23	2,535.95	2,465.91	70.03	36.210		
10,400.00	7,135.39	6,777.00	6,585.45	103.97	32.25	40.66	718.56	338.23	2,632.16	2,562.13	70.03	37.588		
10,500.00	7,135.59	6,777.00	6,585.45	106.67	32.25	40.66	718.56	338.23	2,728.65	2,658.63	70.02	38.970		
10,600.00	7,135.78	6,777.00	6,585.45	109.38	32.25	40.66	718.56	338.23	2,825.38	2,755.37	70.01	40.355		
10,700.00	7,135.98	6,777.00	6,585.45	112.09	32.25	40.66	718.56	338.23	2,922.34	2,852.33	70.01	41.743		
10,800.00	7,136.17	6,777.00	6,585.45	114.81	32.25	40.66	718.56	338.23	3,019.49	2,949.48	70.00	43.133		
10,900.00	7,136.36	6,777.00	6,585.45	117.54	32.25	40.66	718.56	338.23	3,116.82	3,046.82	70.00	44.526		
11,000.00	7,136.56	6,777.00	6,585.45	120.28	32.25	40.66	718.56	338.23	3,214.31	3,144.32	70.00	45.920		
11,100.00	7,136.75	6,777.00	6,585.45	123.02	32.25	40.66	718.56	338.23	3,311.96	3,241.96	70.00	47.315		
11,200.00	7,136.95	6,777.00	6,585.45	125.76	32.25	40.66	718.56	338.23	3,409.74	3,339.74	70.00	48.710		
11,300.00	7,137.14	6,777.00	6,585.45	128.52	32.25	40.66	718.56	338.23	3,507.65	3,437.64	70.00	50.107		
11,400.00	7,137.33	6,777.00	6,585.45	131.27	32.25	40.66	718.56	338.23	3,605.67	3,535.66	70.01	51.503		
11,500.00	7,137.53	6,777.00	6,585.45	134.03	32.25	40.66	718.56	338.23	3,703.80	3,633.78	70.02	52.900		
11,600.00	7,137.72	6,777.00	6,585.45	136.80	32.25	40.66	718.56	338.23	3,802.02	3,732.00	70.02	54.296		
11,700.00	7,137.92	6,736.45	6,545.55	139.57	32.11	38.63	718.69	331.01	3,898.98	3,828.95	70.03	55.672		
11,800.00	7,138.11	6,734.19	6,543.32	142.34	32.10	38.52	718.69	330.68	3,997.23	3,927.18	70.05	57.064		
11,900.00	7,138.30	6,732.03	6,541.19	145.12	32.09	38.41	718.69	330.36	4,095.56	4,025.49	70.06	58.454		
12,000.00	7,138.50	6,729.96	6,539.13	147.90	32.09	38.32	718.68	330.07	4,193.96	4,123.87	70.08	59.844		
12,100.00	7,138.69	6,727.97	6,537.16	150.68	32.08	38.22	718.68	329.79	4,292.42	4,222.32	70.10	61.232		
12,200.00	7,138.88	6,726.06	6,535.27	153.47	32.07	38.13	718.68	329.53	4,390.95	4,320.83	70.12	62.619		
12,300.00	7,139.08	6,724.22	6,533.45	156.26	32.07	38.04	718.68	329.28	4,489.54	4,419.39	70.14	64.004		
12,400.00	7,139.27	6,722.45	6,531.70	159.05	32.06	37.96	718.67	329.05	4,588.18	4,518.01	70.17	65.389		
12,500.00	7,139.47	6,682.00	6,491.46	161.85	31.92	36.12	718.48	324.93	4,688.09	4,617.89	70.20	66.784		
12,600.00	7,139.66	6,682.00	6,491.46	164.64	31.92	36.12	718.48	324.93	4,786.73	4,716.50	70.23	68.162		
12,700.00	7,139.85	6,682.00	6,491.46	167.44	31.92	36.12	718.48	324.93	4,885.43	4,815.17	70.25	69.539		
12,800.00	7,140.05	6,682.00	6,491.46	170.24	31.92	36.12	718.48	324.93	4,984.18	4,913.90	70.28	70.914		
12,900.00	7,140.24	6,682.00	6,491.46	173.05	31.92	36.12	718.48	324.93	5,082.98	5,012.66	70.32	72.287		
13,000.00	7,140.44	6,682.00	6,491.46	175.85	31.92	36.12	718.48	324.93	5,181.83	5,111.48	70.35	73.658		
13,100.00	7,140.63	6,682.00	6,491.46	178.66	31.92	36.12	718.48	324.93	5,280.72	5,210.33	70.38	75.028		
13,200.00	7,140.82	6,682.00	6,491.46	181.47	31.92	36.12	718.48	324.93	5,379.65	5,309.23	70.42	76.395		
13,300.00	7,141.02	6,682.00	6,491.46	184.28	31.92	36.12	718.48	324.93	5,478.62	5,408.16	70.46	77.760		
13,400.00	7,141.21	6,682.00	6,491.46	187.10	31.92	36.12	718.48	324.93	5,577.62	5,507.13	70.49	79.122		
13,500.00	7,141.41	6,682.00	6,491.46	189.91	31.92	36.12	718.48	324.93	5,676.66	5,606.13	70.53	80.482		
13,600.00	7,141.60	6,682.00	6,491.46	192.73	31.92	36.12	718.48	324.93	5,775.74	5,705.16	70.57	81.840		
13,700.00	7,141.79	6,682.00	6,491.46	195.54	31.92	36.12	718.48	324.93	5,874.84	5,804.23	70.61	83.195		
13,800.00	7,141.99	6,682.00	6,491.46	198.36	31.92	36.12	718.48	324.93	5,973.98	5,903.32	70.66	84.548		
13,900.00	7,142.18	6,682.00	6,491.46	201.18	31.92	36.12	718.48	324.93	6,073.14	6,002.44	70.70	85.898		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,682.00	6,491.46	204.01	31.92	36.12	718.48	324.93	6,172.33	6,101.58	70.75	87.245		
14,100.00	7,142.57	6,682.00	6,491.46	206.83	31.92	36.12	718.48	324.93	6,271.55	6,200.75	70.79	88.589		
14,200.00	7,142.76	6,682.00	6,491.46	209.65	31.92	36.12	718.48	324.93	6,370.79	6,299.95	70.84	89.931		
14,300.00	7,142.96	6,682.00	6,491.46	212.48	31.92	36.12	718.48	324.93	6,470.05	6,399.16	70.89	91.269		
14,400.00	7,143.15	6,682.00	6,491.46	215.30	31.92	36.12	718.48	324.93	6,569.34	6,498.40	70.94	92.605		
14,500.00	7,143.34	6,682.00	6,491.46	218.13	31.92	36.12	718.48	324.93	6,668.65	6,597.66	70.99	93.937		
14,600.00	7,143.54	6,682.00	6,491.46	220.96	31.92	36.12	718.48	324.93	6,767.97	6,696.93	71.04	95.267		
14,700.00	7,143.73	6,682.00	6,491.46	223.79	31.92	36.12	718.48	324.93	6,867.32	6,796.23	71.10	96.593		
14,800.00	7,143.93	6,682.00	6,491.46	226.62	31.92	36.12	718.48	324.93	6,966.69	6,895.54	71.15	97.916		
14,838.32	7,144.00	6,682.00	6,491.46	227.70	31.92	36.12	718.48	324.93	7,004.77	6,933.60	71.17	98.422		
14,900.00	7,144.12	6,682.00	6,491.46	229.45	31.92	26.10	718.48	324.93	7,066.11	6,994.90	71.21	99.234		
15,000.00	7,144.32	6,682.00	6,491.46	232.26	31.92	5.49	718.48	324.93	7,165.68	7,094.41	71.27	100.545		
15,027.81	7,144.37	6,682.00	6,491.46	233.04	31.92	-0.82	718.48	324.93	7,193.38	7,122.10	71.29	100.908		
15,100.00	7,144.51	6,682.00	6,491.46	235.07	31.92	-0.82	718.48	324.93	7,265.30	7,193.97	71.34	101.848		
15,200.00	7,144.71	6,682.00	6,491.46	237.87	31.92	-0.82	718.48	324.93	7,364.93	7,293.53	71.40	103.147		
15,300.00	7,144.91	6,682.00	6,491.46	240.68	31.92	-0.82	718.48	324.93	7,464.57	7,393.10	71.47	104.442		
15,400.00	7,145.10	6,682.00	6,491.46	243.48	31.92	-0.82	718.48	324.93	7,564.22	7,492.68	71.54	105.734		
15,500.00	7,145.30	6,682.00	6,491.46	246.29	31.92	-0.82	718.48	324.93	7,663.88	7,592.27	71.61	107.023		
15,600.00	7,145.50	6,682.00	6,491.46	249.10	31.92	-0.82	718.48	324.93	7,763.55	7,691.87	71.68	108.308		
15,700.00	7,145.69	6,682.00	6,491.46	251.91	31.92	-0.82	718.48	324.93	7,863.23	7,791.48	71.75	109.590		
15,800.00	7,145.89	6,682.00	6,491.46	254.71	31.92	-0.82	718.48	324.93	7,962.91	7,891.09	71.82	110.868		
15,900.00	7,146.09	6,682.00	6,491.46	257.52	31.92	-0.82	718.48	324.93	8,062.60	7,990.71	71.90	112.142		
16,000.00	7,146.28	6,682.00	6,491.46	260.34	31.92	-0.82	718.48	324.93	8,162.30	8,090.33	71.97	113.413		
16,100.00	7,146.48	6,682.00	6,491.46	263.15	31.92	-0.82	718.48	324.93	8,262.01	8,189.97	72.04	114.680		
16,200.00	7,146.68	6,682.00	6,491.46	265.96	31.92	-0.82	718.48	324.93	8,361.73	8,289.61	72.12	115.943		
16,300.00	7,146.87	6,682.00	6,491.46	268.77	31.92	-0.82	718.48	324.93	8,461.45	8,389.25	72.20	117.202		
16,400.00	7,147.07	6,682.00	6,491.46	271.58	31.92	-0.82	718.48	324.93	8,561.17	8,488.90	72.27	118.458		
16,500.00	7,147.27	6,682.00	6,491.46	274.40	31.92	-0.82	718.48	324.93	8,660.91	8,588.56	72.35	119.710		
16,600.00	7,147.46	6,682.00	6,491.46	277.21	31.92	-0.82	718.48	324.93	8,760.65	8,688.22	72.43	120.958		
16,700.00	7,147.66	6,682.00	6,491.46	280.03	31.92	-0.82	718.48	324.93	8,860.39	8,787.89	72.51	122.202		
16,800.00	7,147.86	6,682.00	6,491.46	282.84	31.92	-0.82	718.48	324.93	8,960.15	8,887.56	72.59	123.443		
16,900.00	7,148.05	6,682.00	6,491.46	285.66	31.92	-0.82	718.48	324.93	9,059.90	8,987.24	72.67	124.679		
17,000.00	7,148.25	6,682.00	6,491.46	288.48	31.92	-0.82	718.48	324.93	9,159.66	9,086.92	72.75	125.912		
17,100.00	7,148.45	6,682.00	6,491.46	291.29	31.92	-0.82	718.48	324.93	9,259.43	9,186.60	72.83	127.140		
17,200.00	7,148.64	6,682.00	6,491.46	294.11	31.92	-0.82	718.48	324.93	9,359.20	9,286.29	72.91	128.365		
17,300.00	7,148.84	6,682.00	6,491.46	296.93	31.92	-0.82	718.48	324.93	9,458.98	9,385.99	72.99	129.586		
17,400.00	7,149.04	6,682.00	6,491.46	299.75	31.92	-0.82	718.48	324.93	9,558.76	9,485.69	73.08	130.802		
17,500.00	7,149.23	6,682.00	6,491.46	302.57	31.92	-0.82	718.48	324.93	9,658.55	9,585.39	73.16	132.015		
17,600.00	7,149.43	6,682.00	6,491.46	305.39	31.92	-0.82	718.48	324.93	9,758.34	9,685.09	73.25	133.224		
17,700.00	7,149.63	6,682.00	6,491.46	308.21	31.92	-0.82	718.48	324.93	9,858.13	9,784.80	73.33	134.428		
17,800.00	7,149.82	6,682.00	6,491.46	311.03	31.92	-0.82	718.48	324.93	9,957.93	9,884.51	73.42	135.629		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	147.83	-802.92	505.04	948.61					
100.00	100.00	89.24	89.24	3.28	3.29	147.85	-803.05	504.82	948.54	941.97	6.57	144.362		
200.00	200.00	189.90	189.90	3.34	3.31	147.90	-803.47	504.06	948.50	941.84	6.65	142.620		
300.00	299.98	281.26	281.25	3.44	3.39	68.05	-803.96	503.19	947.82	940.99	6.84	138.636		
324.90	324.86	298.47	298.46	3.48	3.41	68.11	-804.25	503.11	947.76	940.87	6.89	137.502 CC, ES		
400.00	399.84	353.00	352.96	3.60	3.49	68.32	-806.03	503.26	948.33	941.23	7.10	133.654		
500.00	499.45	427.45	427.27	3.81	3.61	68.77	-810.44	503.62	950.41	942.97	7.44	127.775		
600.00	598.70	501.23	500.76	4.06	3.76	69.39	-816.88	503.89	953.83	945.98	7.85	121.483		
700.00	697.47	577.41	576.47	4.34	3.94	70.16	-825.36	505.05	958.89	950.56	8.33	115.120		
785.50	781.43	644.62	643.09	4.61	4.12	70.96	-834.10	506.23	964.15	955.37	8.78	109.753		
800.00	795.63	655.27	653.63	4.66	4.15	71.12	-835.62	506.41	965.16	956.30	8.86	108.881		
900.00	893.55	727.00	724.45	5.02	4.36	72.19	-846.96	507.52	973.82	964.38	9.44	103.189		
1,000.00	991.47	797.16	793.34	5.40	4.58	73.29	-860.24	508.18	985.64	975.60	10.04	98.156		
1,100.00	1,089.39	870.89	865.23	5.80	4.84	74.53	-876.54	508.16	1,000.62	989.95	10.68	93.693		
1,200.00	1,187.31	944.63	936.71	6.21	5.13	75.82	-894.65	507.25	1,018.24	1,006.91	11.33	89.855		
1,300.00	1,285.22	1,015.75	1,005.06	6.64	5.41	77.13	-914.15	505.19	1,038.80	1,026.81	11.99	86.606		
1,400.00	1,383.14	1,099.00	1,084.70	7.08	5.77	78.66	-938.28	502.44	1,061.63	1,048.92	12.71	83.499		
1,500.00	1,481.06	1,184.27	1,166.07	7.52	6.16	80.18	-963.60	499.60	1,086.06	1,072.61	13.46	80.698		
1,600.00	1,578.98	1,277.50	1,254.95	7.98	6.60	81.79	-991.57	496.44	1,111.66	1,097.40	14.26	77.976		
1,700.00	1,676.90	1,359.75	1,333.34	8.44	7.00	83.13	-1,016.33	493.95	1,138.25	1,123.24	15.01	75.820		
1,800.00	1,774.82	1,447.45	1,416.62	8.90	7.43	84.57	-1,043.60	490.32	1,166.35	1,150.54	15.81	73.781		
1,900.00	1,872.74	1,538.64	1,502.97	9.37	7.90	86.10	-1,072.31	484.44	1,195.26	1,178.63	16.64	71.850		
2,000.00	1,970.66	1,636.36	1,595.48	9.84	8.41	87.70	-1,102.96	477.31	1,224.81	1,207.30	17.51	69.933		
2,100.00	2,068.57	1,732.37	1,686.68	10.32	8.91	89.17	-1,132.29	470.97	1,254.42	1,236.03	18.39	68.209		
2,200.00	2,166.49	1,845.42	1,794.29	10.80	9.51	90.78	-1,166.29	464.29	1,284.47	1,265.08	19.39	66.246		
2,300.00	2,264.41	1,958.46	1,902.76	11.28	10.10	92.26	-1,197.56	458.53	1,312.72	1,292.32	20.39	64.372		
2,400.00	2,362.33	2,065.52	2,005.86	11.76	10.66	93.56	-1,226.00	453.71	1,340.55	1,319.19	21.36	62.760		
2,500.00	2,460.25	2,172.48	2,109.20	12.24	11.21	94.80	-1,253.17	448.95	1,367.74	1,345.41	22.33	61.254		
2,600.00	2,558.17	2,259.68	2,193.52	12.73	11.66	95.78	-1,275.04	445.00	1,395.12	1,371.95	23.17	60.213		
2,700.00	2,656.09	2,328.02	2,259.41	13.22	12.02	96.51	-1,292.97	442.25	1,424.02	1,400.14	23.88	59.634		
2,800.00	2,754.01	2,451.40	2,378.43	13.71	12.66	97.74	-1,325.20	437.96	1,453.22	1,428.24	24.98	58.167		
2,900.00	2,851.92	2,533.34	2,457.63	14.20	13.09	98.52	-1,346.01	435.36	1,482.05	1,456.26	25.79	57.461		
3,000.00	2,949.84	2,615.41	2,536.82	14.69	13.52	99.24	-1,367.48	433.47	1,511.89	1,485.29	26.60	56.832		
3,100.00	3,047.76	2,695.55	2,604.30	15.18	13.90	99.83	-1,386.56	432.17	1,543.01	1,515.69	27.32	56.475		
3,200.00	3,145.68	2,785.50	2,700.18	15.67	14.44	100.67	-1,414.66	429.40	1,575.35	1,547.08	28.28	55.713		
3,300.00	3,243.60	2,867.56	2,779.06	16.17	14.88	101.35	-1,437.11	426.59	1,607.30	1,578.21	29.09	55.255		
3,400.00	3,341.52	2,941.32	2,849.67	16.66	15.29	101.97	-1,458.19	423.29	1,640.71	1,610.88	29.83	54.997		
3,500.00	3,439.44	3,044.39	2,948.17	17.16	15.85	102.80	-1,488.20	418.73	1,674.97	1,644.14	30.82	54.339		
3,600.00	3,537.36	3,147.84	3,047.53	17.65	16.42	103.60	-1,516.66	414.40	1,707.81	1,675.99	31.82	53.675		
3,700.00	3,635.27	3,227.74	3,124.12	18.15	16.86	104.20	-1,539.18	410.94	1,741.59	1,708.97	32.62	53.398		
3,800.00	3,733.19	3,373.10	3,263.70	18.65	17.65	105.22	-1,579.27	405.09	1,775.33	1,741.37	33.96	52.280		
3,900.00	3,831.11	3,437.39	3,325.69	19.14	18.00	105.64	-1,596.15	402.99	1,807.61	1,772.98	34.63	52.196		
4,000.00	3,929.03	3,545.97	3,430.08	19.64	18.58	106.35	-1,625.75	398.79	1,841.18	1,805.51	35.67	51.616		
4,100.00	4,026.95	3,638.37	3,519.21	20.14	19.08	106.90	-1,649.98	396.23	1,873.66	1,837.09	36.58	51.227		
4,200.00	4,124.87	3,716.38	3,594.33	20.64	19.51	107.34	-1,670.97	394.60	1,906.84	1,869.47	37.36	51.037		
4,300.00	4,222.79	3,787.99	3,663.10	21.14	19.90	107.73	-1,690.85	392.95	1,941.00	1,902.91	38.09	50.956		
4,400.00	4,320.71	3,857.08	3,729.20	21.64	20.28	108.08	-1,710.87	391.36	1,976.44	1,937.64	38.80	50.944		
4,500.00	4,418.62	3,938.80	3,807.19	22.14	20.74	108.49	-1,735.22	389.62	2,012.73	1,973.11	39.62	50.806		
4,600.00	4,516.54	4,028.75	3,892.95	22.64	21.25	108.91	-1,762.32	387.83	2,049.41	2,008.90	40.51	50.585		
4,700.00	4,614.46	4,107.64	3,968.07	23.14	21.69	109.27	-1,786.36	386.33	2,086.51	2,045.20	41.31	50.509		
4,800.00	4,712.38	4,191.95	4,048.21	23.64	22.18	109.64	-1,812.50	384.75	2,124.19	2,082.04	42.16	50.387		
4,900.00	4,810.30	4,302.20	4,153.07	24.14	22.80	110.11	-1,846.47	382.34	2,161.87	2,118.62	43.25	49.982		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	7,132.10	7,028.83	6,824.74	60.53	35.21	-83.27	-2,236.06	372.41	2,678.98	2,588.34	90.64	29.558		
8,800.00	7,132.29	7,010.90	6,808.11	62.87	35.15	-82.89	-2,236.50	365.71	2,715.23	2,622.96	92.27	29.428		
8,900.00	7,132.49	6,979.00	6,778.09	65.25	35.06	-82.22	-2,237.16	354.94	2,754.52	2,660.72	93.80	29.367		
9,000.00	7,132.68	6,979.00	6,778.09	67.68	35.06	-82.22	-2,237.16	354.94	2,796.45	2,701.10	95.35	29.328 SF		
9,100.00	7,132.87	6,979.00	6,778.09	70.13	35.06	-82.22	-2,237.16	354.94	2,841.28	2,744.45	96.83	29.342		
9,200.00	7,133.07	6,979.00	6,778.09	72.61	35.06	-82.22	-2,237.16	354.94	2,888.88	2,790.64	98.24	29.406		
9,300.00	7,133.26	6,950.07	6,750.44	75.13	34.97	-81.60	-2,237.63	346.45	2,938.68	2,839.18	99.50	29.536		
9,400.00	7,133.46	6,941.61	6,742.29	77.66	34.94	-81.41	-2,237.75	344.20	2,991.10	2,890.37	100.73	29.694		
9,500.00	7,133.65	6,933.91	6,734.84	80.22	34.91	-81.25	-2,237.85	342.25	3,045.83	2,943.93	101.90	29.891		
9,600.00	7,133.84	6,926.87	6,728.01	82.80	34.89	-81.09	-2,237.94	340.55	3,102.76	2,999.77	102.99	30.126		
9,700.00	7,134.04	6,920.41	6,721.73	85.40	34.87	-80.95	-2,238.02	339.04	3,161.79	3,057.77	104.02	30.396		
9,800.00	7,134.23	6,886.00	6,688.03	88.01	34.76	-80.20	-2,238.34	332.11	3,223.26	3,118.37	104.89	30.729		
9,900.00	7,134.43	6,886.00	6,688.03	90.64	34.76	-80.20	-2,238.34	332.11	3,285.98	3,180.16	105.81	31.055		
10,000.00	7,134.62	6,886.00	6,688.03	93.28	34.76	-80.20	-2,238.34	332.11	3,350.50	3,243.83	106.67	31.410		
10,100.00	7,134.81	6,886.00	6,688.03	95.94	34.76	-80.20	-2,238.34	332.11	3,416.74	3,309.27	107.47	31.793		
10,200.00	7,135.01	6,886.00	6,688.03	98.61	34.76	-80.20	-2,238.34	332.11	3,484.58	3,376.37	108.21	32.202		
10,300.00	7,135.20	6,886.00	6,688.03	101.28	34.76	-80.20	-2,238.34	332.11	3,553.95	3,445.05	108.90	32.635		
10,400.00	7,135.39	6,886.00	6,688.03	103.97	34.76	-80.20	-2,238.34	332.11	3,624.74	3,515.20	109.54	33.090		
10,500.00	7,135.59	6,886.00	6,688.03	106.67	34.76	-80.20	-2,238.34	332.11	3,696.89	3,586.75	110.14	33.565		
10,600.00	7,135.78	6,886.00	6,688.03	109.38	34.76	-80.20	-2,238.34	332.11	3,770.31	3,659.61	110.69	34.061		
10,700.00	7,135.98	6,886.00	6,688.03	112.09	34.76	-80.20	-2,238.34	332.11	3,844.92	3,733.72	111.21	34.574		
10,800.00	7,136.17	6,858.84	6,661.23	114.81	34.67	-79.61	-2,238.39	327.66	3,920.45	3,808.83	111.62	35.123		
10,900.00	7,136.36	6,852.79	6,655.26	117.54	34.65	-79.47	-2,238.35	326.75	3,997.14	3,885.09	112.05	35.673		
11,000.00	7,136.56	6,847.14	6,649.67	120.28	34.63	-79.35	-2,238.31	325.93	4,074.83	3,962.38	112.45	36.237		
11,100.00	7,136.75	6,841.85	6,644.42	123.02	34.61	-79.23	-2,238.25	325.19	4,153.45	4,040.63	112.82	36.814		
11,200.00	7,136.95	6,836.88	6,639.50	125.76	34.59	-79.12	-2,238.19	324.51	4,232.96	4,119.79	113.17	37.405		
11,300.00	7,137.14	6,832.20	6,634.86	128.52	34.58	-79.02	-2,238.12	323.90	4,313.31	4,199.82	113.49	38.007		
11,400.00	7,137.33	6,827.79	6,630.49	131.27	34.56	-78.92	-2,238.04	323.33	4,394.45	4,280.66	113.79	38.620		
11,500.00	7,137.53	6,823.63	6,626.36	134.03	34.55	-78.83	-2,237.96	322.81	4,476.34	4,362.27	114.06	39.244		
11,600.00	7,137.72	6,792.00	6,594.94	136.80	34.44	-78.14	-2,237.12	319.36	4,559.20	4,444.97	114.23	39.912		
11,700.00	7,137.92	6,792.00	6,594.94	139.57	34.44	-78.14	-2,237.12	319.36	4,642.41	4,527.93	114.48	40.551		
11,800.00	7,138.11	6,792.00	6,594.94	142.34	34.44	-78.14	-2,237.12	319.36	4,726.28	4,611.56	114.72	41.198		
11,900.00	7,138.30	6,792.00	6,594.94	145.12	34.44	-78.14	-2,237.12	319.36	4,810.76	4,695.82	114.94	41.854		
12,000.00	7,138.50	6,792.00	6,594.94	147.90	34.44	-78.14	-2,237.12	319.36	4,895.83	4,780.68	115.15	42.518		
12,100.00	7,138.69	6,792.00	6,594.94	150.68	34.44	-78.14	-2,237.12	319.36	4,981.45	4,866.11	115.34	43.190		
12,200.00	7,138.88	6,792.00	6,594.94	153.47	34.44	-78.14	-2,237.12	319.36	5,067.60	4,952.08	115.52	43.869		
12,300.00	7,139.08	6,792.00	6,594.94	156.26	34.44	-78.14	-2,237.12	319.36	5,154.24	5,038.56	115.68	44.555		
12,400.00	7,139.27	6,792.00	6,594.94	159.05	34.44	-78.14	-2,237.12	319.36	5,241.37	5,125.53	115.84	45.246		
12,500.00	7,139.47	6,792.00	6,594.94	161.85	34.44	-78.14	-2,237.12	319.36	5,328.94	5,212.96	115.99	45.944		
12,600.00	7,139.66	6,792.00	6,594.94	164.64	34.44	-78.14	-2,237.12	319.36	5,416.95	5,300.83	116.12	46.648		
12,700.00	7,139.85	6,792.00	6,594.94	167.44	34.44	-78.14	-2,237.12	319.36	5,505.37	5,389.11	116.25	47.357		
12,800.00	7,140.05	6,792.00	6,594.94	170.24	34.44	-78.14	-2,237.12	319.36	5,594.17	5,477.80	116.37	48.071		
12,900.00	7,140.24	6,792.00	6,594.94	173.05	34.44	-78.14	-2,237.12	319.36	5,683.35	5,566.86	116.49	48.790		
13,000.00	7,140.44	6,792.00	6,594.94	175.85	34.44	-78.14	-2,237.12	319.36	5,772.88	5,656.29	116.59	49.513		
13,100.00	7,140.63	6,792.00	6,594.94	178.66	34.44	-78.14	-2,237.12	319.36	5,862.75	5,746.06	116.69	50.240		
13,200.00	7,140.82	6,792.00	6,594.94	181.47	34.44	-78.14	-2,237.12	319.36	5,952.95	5,836.16	116.79	50.972		
13,300.00	7,141.02	6,792.00	6,594.94	184.28	34.44	-78.14	-2,237.12	319.36	6,043.45	5,926.57	116.88	51.707		
13,400.00	7,141.21	6,792.00	6,594.94	187.10	34.44	-78.14	-2,237.12	319.36	6,134.25	6,017.29	116.96	52.446		
13,500.00	7,141.41	6,792.00	6,594.94	189.91	34.44	-78.14	-2,237.12	319.36	6,225.33	6,108.29	117.04	53.189		
13,600.00	7,141.60	6,792.00	6,594.94	192.73	34.44	-78.14	-2,237.12	319.36	6,316.68	6,199.56	117.12	53.935		
13,700.00	7,141.79	6,792.00	6,594.94	195.54	34.44	-78.14	-2,237.12	319.36	6,408.28	6,291.10	117.19	54.683		
13,800.00	7,141.99	6,792.00	6,594.94	198.36	34.44	-78.14	-2,237.12	319.36	6,500.14	6,382.88	117.26	55.435		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,900.00	7,142.18	6,792.00	6,594.94	201.18	34.44	-78.14	-2,237.12	319.36	6,592.23	6,474.91	117.32	56.190		
14,000.00	7,142.37	6,792.00	6,594.94	204.01	34.44	-78.14	-2,237.12	319.36	6,684.55	6,567.17	117.38	56.947		
14,100.00	7,142.57	6,792.00	6,594.94	206.83	34.44	-78.14	-2,237.12	319.36	6,777.09	6,659.65	117.44	57.706		
14,200.00	7,142.76	6,792.00	6,594.94	209.65	34.44	-78.14	-2,237.12	319.36	6,869.84	6,752.34	117.50	58.468		
14,300.00	7,142.96	6,792.00	6,594.94	212.48	34.44	-78.14	-2,237.12	319.36	6,962.78	6,845.23	117.55	59.232		
14,400.00	7,143.15	6,792.00	6,594.94	215.30	34.44	-78.14	-2,237.12	319.36	7,055.92	6,938.32	117.60	59.998		
14,500.00	7,143.34	6,792.00	6,594.94	218.13	34.44	-78.14	-2,237.12	319.36	7,149.25	7,031.60	117.65	60.766		
14,600.00	7,143.54	6,792.00	6,594.94	220.96	34.44	-78.14	-2,237.12	319.36	7,242.75	7,125.05	117.70	61.536		
14,700.00	7,143.73	6,792.00	6,594.94	223.79	34.44	-78.14	-2,237.12	319.36	7,336.43	7,218.68	117.75	62.307		
14,800.00	7,143.93	6,792.00	6,594.94	226.62	34.44	-78.14	-2,237.12	319.36	7,430.27	7,312.48	117.79	63.080		
14,838.32	7,144.00	6,792.00	6,594.94	227.70	34.44	-78.14	-2,237.12	319.36	7,466.27	7,348.46	117.81	63.377		
14,900.00	7,144.12	6,792.00	6,594.94	229.45	34.44	-78.80	-2,237.12	319.36	7,524.04	7,406.21	117.83	63.854		
15,000.00	7,144.32	6,792.00	6,594.94	232.26	34.44	-79.72	-2,237.12	319.36	7,616.84	7,498.97	117.87	64.621		
15,027.81	7,144.37	6,792.00	6,594.94	233.04	34.44	-79.95	-2,237.12	319.36	7,642.45	7,524.58	117.88	64.834		
15,100.00	7,144.51	6,792.00	6,594.94	235.07	34.44	-79.95	-2,237.12	319.36	7,708.87	7,590.97	117.90	65.385		
15,200.00	7,144.71	6,792.00	6,594.94	237.87	34.44	-79.95	-2,237.12	319.36	7,801.05	7,683.11	117.93	66.149		
15,300.00	7,144.91	6,792.00	6,594.94	240.68	34.44	-79.95	-2,237.12	319.36	7,893.41	7,775.45	117.96	66.915		
15,400.00	7,145.10	6,792.00	6,594.94	243.48	34.44	-79.95	-2,237.12	319.36	7,985.96	7,867.97	117.99	67.683		
15,500.00	7,145.30	6,792.00	6,594.94	246.29	34.44	-79.95	-2,237.12	319.36	8,078.68	7,960.67	118.02	68.453		
15,600.00	7,145.50	6,792.00	6,594.94	249.10	34.44	-79.95	-2,237.12	319.36	8,171.58	8,053.54	118.04	69.224		
15,700.00	7,145.69	6,792.00	6,594.94	251.91	34.44	-79.95	-2,237.12	319.36	8,264.64	8,146.57	118.07	69.997		
15,800.00	7,145.89	6,792.00	6,594.94	254.71	34.44	-79.95	-2,237.12	319.36	8,357.87	8,239.77	118.10	70.772		
15,900.00	7,146.09	6,792.00	6,594.94	257.52	34.44	-79.95	-2,237.12	319.36	8,451.25	8,333.13	118.12	71.548		
16,000.00	7,146.28	6,792.00	6,594.94	260.34	34.44	-79.95	-2,237.12	319.36	8,544.77	8,426.63	118.14	72.325		
16,100.00	7,146.48	6,792.00	6,594.94	263.15	34.44	-79.95	-2,237.12	319.36	8,638.45	8,520.28	118.17	73.103		
16,200.00	7,146.68	6,792.00	6,594.94	265.96	34.44	-79.95	-2,237.12	319.36	8,732.26	8,614.07	118.19	73.882		
16,300.00	7,146.87	6,792.00	6,594.94	268.77	34.44	-79.95	-2,237.12	319.36	8,826.21	8,708.00	118.21	74.663		
16,400.00	7,147.07	6,792.00	6,594.94	271.58	34.44	-79.95	-2,237.12	319.36	8,920.29	8,802.06	118.24	75.445		
16,500.00	7,147.27	6,792.00	6,594.94	274.40	34.44	-79.95	-2,237.12	319.36	9,014.50	8,896.24	118.26	76.227		
16,600.00	7,147.46	6,792.00	6,594.94	277.21	34.44	-79.95	-2,237.12	319.36	9,108.83	8,990.55	118.28	77.011		
16,700.00	7,147.66	6,792.00	6,594.94	280.03	34.44	-79.95	-2,237.12	319.36	9,203.28	9,084.98	118.30	77.795		
16,800.00	7,147.86	6,792.00	6,594.94	282.84	34.44	-79.95	-2,237.12	319.36	9,297.85	9,179.53	118.32	78.580		
16,900.00	7,148.05	6,792.00	6,594.94	285.66	34.44	-79.95	-2,237.12	319.36	9,392.53	9,274.19	118.35	79.365		
17,000.00	7,148.25	6,792.00	6,594.94	288.48	34.44	-79.95	-2,237.12	319.36	9,487.32	9,368.95	118.37	80.152		
17,100.00	7,148.45	6,792.00	6,594.94	291.29	34.44	-79.95	-2,237.12	319.36	9,582.22	9,463.83	118.39	80.939		
17,200.00	7,148.64	6,792.00	6,594.94	294.11	34.44	-79.95	-2,237.12	319.36	9,677.21	9,558.80	118.41	81.726		
17,300.00	7,148.84	6,792.00	6,594.94	296.93	34.44	-79.95	-2,237.12	319.36	9,772.31	9,653.88	118.43	82.514		
17,400.00	7,149.04	6,792.00	6,594.94	299.75	34.44	-79.95	-2,237.12	319.36	9,867.51	9,749.05	118.45	83.303		
17,500.00	7,149.23	6,792.00	6,594.94	302.57	34.44	-79.95	-2,237.12	319.36	9,962.79	9,844.32	118.48	84.091		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	147.16	-782.89	505.32	931.87					
100.00	100.00	86.14	86.14	3.28	3.29	147.19	-783.26	504.99	931.94	925.37	6.57	141.839		
200.00	200.00	182.90	182.88	3.34	3.31	147.29	-784.55	503.84	932.42	925.78	6.64	140.369		
300.00	299.98	279.53	279.46	3.44	3.34	67.56	-786.78	501.86	932.59	925.81	6.78	137.505		
400.00	399.84	375.78	375.62	3.60	3.39	68.11	-789.92	499.06	931.83	924.85	6.98	133.410		
500.00	499.45	464.97	464.66	3.81	3.46	68.88	-793.79	495.70	930.40	923.13	7.26	128.079		
600.00	598.70	544.01	543.38	4.06	3.60	69.84	-799.63	491.62	929.83	922.19	7.65	121.608		
607.46	606.09	550.52	549.85	4.08	3.61	69.93	-800.22	491.23	929.83	922.15	7.68	121.090 CC		
700.00	697.47	629.93	628.68	4.34	3.77	71.16	-808.14	485.94	930.06	921.95	8.11	114.641 ES		
785.50	781.43	696.78	694.90	4.61	3.94	72.35	-815.98	481.26	931.17	922.61	8.55	108.854		
800.00	795.63	708.04	706.05	4.66	3.97	72.56	-817.41	480.49	931.49	922.85	8.63	107.894		
900.00	893.55	782.53	779.62	5.02	4.18	74.00	-827.87	475.36	935.43	926.23	9.20	101.643		
1,000.00	991.47	854.29	850.21	5.40	4.40	75.43	-839.77	470.33	942.63	932.82	9.81	96.123		
1,100.00	1,089.39	924.76	919.28	5.80	4.64	76.81	-853.05	466.08	953.27	942.84	10.43	91.364		
1,200.00	1,187.31	1,000.00	992.79	6.21	4.91	78.22	-868.76	462.89	967.30	956.21	11.09	87.198		
1,300.00	1,285.22	1,072.41	1,063.30	6.64	5.19	79.52	-885.12	460.77	984.23	972.47	11.76	83.701		
1,400.00	1,383.14	1,154.33	1,142.81	7.08	5.51	80.95	-904.72	458.82	1,003.46	991.00	12.47	80.494		
1,500.00	1,481.06	1,242.63	1,228.33	7.52	5.88	82.44	-926.60	456.75	1,024.34	1,011.12	13.22	77.479		
1,600.00	1,578.98	1,328.62	1,311.41	7.98	6.26	83.92	-948.54	453.48	1,046.42	1,032.44	13.98	74.846		
1,700.00	1,676.90	1,407.64	1,387.48	8.44	6.63	85.28	-969.62	449.84	1,070.27	1,055.55	14.72	72.722		
1,800.00	1,774.82	1,483.88	1,460.49	8.90	6.99	86.58	-991.18	445.76	1,096.32	1,080.88	15.44	70.990		
1,900.00	1,872.74	1,570.63	1,543.30	9.37	7.42	88.05	-1,016.50	440.58	1,123.99	1,107.75	16.24	69.225		
2,000.00	1,970.66	1,663.64	1,632.09	9.84	7.88	89.53	-1,043.74	435.35	1,152.56	1,135.49	17.08	67.489		
2,100.00	2,068.57	1,755.70	1,739.45	10.32	8.45	91.16	-1,075.42	430.21	1,180.97	1,162.92	18.05	65.435		
2,200.00	2,166.49	1,849.66	1,849.25	10.80	9.03	92.68	-1,105.62	426.02	1,208.35	1,189.30	19.05	63.447		
2,300.00	2,264.41	2,004.63	1,960.58	11.28	9.60	94.05	-1,134.17	423.57	1,234.74	1,214.70	20.04	61.604		
2,400.00	2,362.33	2,140.95	2,093.45	11.76	10.26	95.56	-1,164.54	421.20	1,259.13	1,237.95	21.18	59.455		
2,500.00	2,460.25	2,254.72	2,204.99	12.24	10.80	96.77	-1,186.81	418.81	1,281.21	1,259.04	22.17	57.797		
2,600.00	2,558.17	2,341.80	2,290.40	12.73	11.22	97.68	-1,203.66	416.82	1,303.51	1,280.51	23.00	56.675		
2,700.00	2,656.09	2,426.80	2,373.64	13.22	11.63	98.54	-1,220.76	414.87	1,326.92	1,303.10	23.82	55.704		
2,800.00	2,754.01	2,520.87	2,465.71	13.71	12.09	99.48	-1,239.85	412.12	1,350.88	1,326.18	24.70	54.684		
2,900.00	2,851.92	2,597.16	2,540.24	14.20	12.46	100.25	-1,255.89	409.30	1,375.96	1,350.49	25.47	54.027		
3,000.00	2,949.84	2,704.18	2,644.74	14.69	13.00	101.30	-1,278.61	405.04	1,401.60	1,375.16	26.45	52.998		
3,100.00	3,047.76	2,800.10	2,738.49	15.18	13.47	102.21	-1,298.49	401.13	1,427.11	1,399.77	27.35	52.183		
3,200.00	3,145.68	2,896.65	2,796.53	15.67	13.77	102.75	-1,311.62	398.92	1,454.12	1,426.13	27.99	51.949		
3,300.00	3,243.60	2,928.26	2,863.11	16.17	14.12	103.33	-1,328.08	396.79	1,483.27	1,454.58	28.69	51.698		
3,400.00	3,341.52	3,042.46	2,973.67	16.66	14.71	104.24	-1,356.52	393.86	1,513.67	1,483.92	29.75	50.879		
3,500.00	3,439.44	3,184.73	3,112.58	17.16	15.43	105.36	-1,386.93	389.75	1,540.59	1,509.58	31.01	49.683		
3,600.00	3,537.36	3,260.00	3,186.14	17.65	15.81	105.93	-1,402.71	387.61	1,567.56	1,535.80	31.77	49.346		
3,700.00	3,635.27	3,404.77	3,328.16	18.15	16.51	106.94	-1,430.60	384.95	1,592.57	1,559.54	33.03	48.221		
3,800.00	3,733.19	3,489.23	3,411.09	18.65	16.93	107.55	-1,446.48	382.47	1,617.93	1,584.07	33.85	47.792		
3,900.00	3,831.11	3,576.39	3,496.58	19.14	17.36	108.13	-1,463.28	380.50	1,643.86	1,609.16	34.70	47.372		
4,000.00	3,929.03	3,657.15	3,575.69	19.64	17.76	108.66	-1,479.43	378.63	1,670.66	1,635.16	35.50	47.059		
4,100.00	4,026.95	3,745.33	3,661.91	20.14	18.20	109.25	-1,497.60	375.35	1,698.48	1,662.12	36.36	46.717		
4,200.00	4,124.87	3,853.41	3,767.88	20.64	18.74	109.96	-1,518.58	371.60	1,725.22	1,687.86	37.36	46.173		
4,300.00	4,222.79	3,918.00	3,830.96	21.14	19.06	110.38	-1,532.13	368.82	1,753.76	1,715.72	38.04	46.108		
4,400.00	4,320.71	3,970.03	3,881.55	21.64	19.33	110.73	-1,543.96	366.01	1,784.32	1,745.73	38.59	46.235		
4,500.00	4,418.62	4,039.20	3,948.56	22.14	19.69	111.18	-1,560.53	361.74	1,816.57	1,777.29	39.28	46.243		
4,600.00	4,516.54	4,117.91	4,024.62	22.64	20.11	111.64	-1,580.50	358.22	1,849.92	1,809.86	40.06	46.180		
4,700.00	4,614.46	4,230.54	4,133.31	23.14	20.71	112.24	-1,609.69	354.05	1,883.85	1,842.70	41.15	45.783		
4,800.00	4,712.38	4,424.71	4,322.77	23.64	21.70	113.21	-1,651.85	349.29	1,912.75	1,869.86	42.90	44.590		
4,900.00	4,810.30	4,528.02	4,423.98	24.14	22.22	113.72	-1,672.40	346.40	1,941.00	1,897.12	43.87	44.242		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,000.00	4,908.22	4,629.83	4,523.95	24.64	22.72	114.23	-1,691.45	343.50	1,968.24	1,923.41	44.84	43.899		
5,100.00	5,006.14	4,702.26	4,594.97	25.14	23.08	114.58	-1,705.50	341.35	1,996.32	1,950.75	45.57	43.807		
5,200.00	5,104.06	4,769.96	4,661.17	25.64	23.42	114.91	-1,719.45	338.97	2,025.77	1,979.50	46.26	43.788		
5,300.00	5,201.97	4,898.55	4,787.05	26.14	24.07	115.48	-1,745.45	335.52	2,054.58	2,007.13	47.45	43.298		
5,400.00	5,299.89	4,971.69	4,858.63	26.64	24.44	115.78	-1,760.35	333.90	2,083.67	2,035.48	48.19	43.237		
5,500.00	5,397.81	5,030.47	4,916.00	27.15	24.74	116.03	-1,773.10	332.25	2,114.21	2,065.41	48.80	43.320		
5,600.00	5,495.73	5,114.92	4,998.17	27.65	25.17	116.38	-1,792.31	329.14	2,146.06	2,096.42	49.63	43.237		
5,700.00	5,593.65	5,200.00	5,370.80	28.15	27.89	117.99	-1,853.60	318.81	2,171.74	2,118.29	53.45	40.630		
5,800.00	5,691.57	5,688.54	5,565.71	28.65	27.80	118.91	-1,866.46	314.84	2,187.91	2,133.99	53.92	40.577		
5,900.00	5,789.49	5,853.37	5,730.40	29.15	28.47	119.70	-1,872.16	311.86	2,202.01	2,146.95	55.06	39.994		
6,000.00	5,887.41	5,954.92	5,831.94	29.66	28.86	120.15	-1,874.00	312.09	2,213.92	2,157.96	55.96	39.566		
6,100.00	5,985.32	6,052.62	5,929.60	30.16	29.25	120.54	-1,876.81	313.04	2,226.69	2,169.85	56.84	39.174		
6,200.00	6,083.24	6,153.14	6,030.08	30.66	29.64	120.95	-1,879.15	314.17	2,238.99	2,181.26	57.74	38.780		
6,300.00	6,181.16	6,252.45	6,129.35	31.16	30.03	121.35	-1,881.57	315.04	2,251.60	2,192.98	58.63	38.405		
6,400.00	6,279.08	6,353.83	6,230.71	31.67	30.43	121.76	-1,883.75	315.80	2,264.11	2,204.58	59.53	38.035		
6,490.03	6,367.24	6,818.01	6,685.96	32.12	32.10	122.27	-1,884.39	379.71	2,274.23	2,213.52	60.71	37.458		
6,500.00	6,377.01	6,830.17	6,697.23	32.17	32.14	123.10	-1,884.40	384.30	2,273.83	2,213.03	60.80	37.402		
6,550.00	6,426.43	7,766.92	7,216.67	32.40	36.39	114.82	-1,901.29	1,087.21	2,264.80	2,201.93	62.87	36.022		
6,600.00	6,476.27	7,768.52	7,216.69	32.61	36.41	148.02	-1,901.37	1,088.81	2,249.66	2,186.00	63.66	35.341		
6,650.00	6,526.21	7,768.51	7,216.69	32.80	36.41	-127.09	-1,901.37	1,088.80	2,235.35	2,170.97	64.38	34.721		
6,700.00	6,575.96	7,766.90	7,216.67	32.98	36.39	-107.25	-1,901.29	1,087.19	2,222.00	2,156.95	65.05	34.156		
6,750.00	6,625.19	7,763.73	7,216.63	33.16	36.35	-102.03	-1,901.13	1,084.02	2,209.69	2,144.00	65.69	33.640		
6,800.00	6,673.62	7,759.01	7,216.57	33.35	36.29	-100.02	-1,900.90	1,079.31	2,198.49	2,132.21	66.28	33.172		
6,850.00	6,720.94	7,752.80	7,216.48	33.55	36.21	-99.11	-1,900.62	1,073.10	2,188.47	2,121.65	66.82	32.750		
6,900.00	6,766.86	7,745.13	7,216.37	33.76	36.11	-98.65	-1,900.32	1,065.44	2,179.68	2,112.35	67.33	32.373		
6,950.00	6,811.10	7,736.07	7,216.23	33.98	35.99	-98.37	-1,900.02	1,056.39	2,172.15	2,104.35	67.80	32.038		
7,000.00	6,853.38	7,725.68	7,216.05	34.23	35.86	-98.16	-1,899.75	1,046.01	2,165.89	2,097.66	68.23	31.742		
7,050.00	6,893.45	7,699.00	7,215.54	34.50	35.52	-97.64	-1,899.40	1,019.33	2,161.04	2,092.59	68.45	31.572		
7,100.00	6,931.05	7,699.00	7,215.54	34.79	35.52	-97.67	-1,899.40	1,019.33	2,157.20	2,088.21	68.99	31.267		
7,150.00	6,965.96	7,556.99	7,194.50	35.12	34.15	-94.73	-1,897.15	879.28	2,153.57	2,085.49	68.08	31.633		
7,200.00	6,997.96	7,501.94	7,178.29	35.47	33.87	-93.61	-1,895.50	826.71	2,150.03	2,081.90	68.14	31.554		
7,250.00	7,026.85	7,478.16	7,169.90	35.86	33.80	-93.18	-1,894.85	804.47	2,147.27	2,078.76	68.51	31.343		
7,300.00	7,052.45	7,454.62	7,160.67	36.29	33.74	-92.72	-1,894.34	782.82	2,145.38	2,076.49	68.89	31.141		
7,350.00	7,074.61	7,431.26	7,150.61	36.76	33.68	-92.22	-1,893.97	761.75	2,144.34	2,075.04	69.29	30.946		
7,391.45	7,090.27	7,411.32	7,141.33	37.18	33.64	-91.77	-1,893.77	744.10	2,144.08	2,074.43	69.64	30.787		
7,400.00	7,093.19	7,406.45	7,138.96	37.27	33.63	-91.66	-1,893.74	739.84	2,144.09	2,074.37	69.71	30.755		
7,450.00	7,108.07	7,378.41	7,124.63	37.81	33.57	-91.00	-1,893.59	715.74	2,144.53	2,074.37	70.16	30.565		
7,500.00	7,119.17	7,351.05	7,109.48	38.39	33.52	-90.33	-1,893.55	692.97	2,145.61	2,074.98	70.63	30.378		
7,550.00	7,126.41	7,329.08	7,096.50	38.99	33.48	-89.74	-1,893.58	675.24	2,147.27	2,076.14	71.13	30.187		
7,600.00	7,129.75	7,274.61	7,061.55	39.62	33.35	-88.54	-1,893.64	633.49	2,149.31	2,077.78	71.53	30.050		
7,616.41	7,130.00	7,257.72	7,049.99	39.83	33.31	-88.16	-1,893.55	621.16	2,149.99	2,078.33	71.66	30.004		
7,700.00	7,130.16	7,189.59	7,000.49	40.97	33.15	-86.84	-1,892.66	574.40	2,154.06	2,081.57	72.49	29.716		
7,800.00	7,130.35	7,125.88	6,951.38	42.46	32.99	-85.54	-1,891.43	533.85	2,161.22	2,087.54	73.68	29.331		
7,900.00	7,130.55	7,073.37	6,909.02	44.09	32.85	-84.41	-1,890.20	502.86	2,171.34	2,096.30	75.03	28.938		
8,000.00	7,130.74	7,027.18	6,870.37	45.84	32.72	-83.39	-1,888.95	477.60	2,184.72	2,108.24	76.47	28.569		
8,100.00	7,130.94	6,978.56	6,828.92	47.70	32.58	-82.29	-1,887.53	452.23	2,201.41	2,123.47	77.94	28.246		
8,200.00	7,131.13	6,939.00	6,794.85	49.65	32.47	-81.40	-1,886.30	432.15	2,221.41	2,141.95	79.46	27.956		
8,300.00	7,131.32	6,915.02	6,773.92	51.70	32.40	-80.85	-1,885.61	420.46	2,245.00	2,163.93	81.07	27.693		
8,400.00	7,131.52	6,896.01	6,757.09	53.81	32.34	-80.41	-1,885.18	411.65	2,272.34	2,189.66	82.67	27.486		
8,500.00	7,131.71	6,878.68	6,741.56	55.99	32.29	-80.00	-1,884.86	403.97	2,303.34	2,219.09	84.25	27.341		
8,600.00	7,131.90	6,846.00	6,711.81	58.24	32.19	-79.23	-1,884.48	390.45	2,338.07	2,252.39	85.68	27.288		
8,700.00	7,132.10	6,846.00	6,711.81	60.53	32.19	-79.23	-1,884.48	390.45	2,375.92	2,288.69	87.23	27.238 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,563.00	6,439.85	204.01	31.24	-72.43	-1,886.09	317.85	6,567.82	6,461.69	106.13	61.885		
14,100.00	7,142.57	6,563.00	6,439.85	206.83	31.24	-72.43	-1,886.09	317.85	6,661.85	6,555.69	106.16	62.753		
14,200.00	7,142.76	6,563.00	6,439.85	209.65	31.24	-72.43	-1,886.09	317.85	6,756.06	6,649.87	106.19	63.624		
14,300.00	7,142.96	6,563.00	6,439.85	212.48	31.24	-72.43	-1,886.09	317.85	6,850.42	6,744.21	106.21	64.496		
14,400.00	7,143.15	6,563.00	6,439.85	215.30	31.24	-72.43	-1,886.09	317.85	6,944.95	6,838.71	106.24	65.370		
14,500.00	7,143.34	6,563.00	6,439.85	218.13	31.24	-72.43	-1,886.09	317.85	7,039.62	6,933.36	106.27	66.245		
14,600.00	7,143.54	6,563.00	6,439.85	220.96	31.24	-72.43	-1,886.09	317.85	7,134.45	7,028.15	106.29	67.121		
14,700.00	7,143.73	6,563.00	6,439.85	223.79	31.24	-72.43	-1,886.09	317.85	7,229.41	7,123.09	106.32	67.999		
14,800.00	7,143.93	6,563.00	6,439.85	226.62	31.24	-72.43	-1,886.09	317.85	7,324.50	7,218.16	106.34	68.878		
14,838.32	7,144.00	6,563.00	6,439.85	227.70	31.24	-72.43	-1,886.09	317.85	7,360.98	7,254.63	106.35	69.215		
14,900.00	7,144.12	6,563.00	6,439.85	229.45	31.24	-73.52	-1,886.09	317.85	7,419.53	7,313.17	106.36	69.757		
15,000.00	7,144.32	6,563.00	6,439.85	232.26	31.24	-75.03	-1,886.09	317.85	7,513.69	7,407.31	106.38	70.631		
15,027.81	7,144.37	6,563.00	6,439.85	233.04	31.24	-75.41	-1,886.09	317.85	7,539.70	7,433.32	106.38	70.874		
15,100.00	7,144.51	6,563.00	6,439.85	235.07	31.24	-75.41	-1,886.09	317.85	7,607.16	7,500.77	106.39	71.502		
15,200.00	7,144.71	6,563.00	6,439.85	237.87	31.24	-75.41	-1,886.09	317.85	7,700.74	7,594.34	106.40	72.374		
15,300.00	7,144.91	6,563.00	6,439.85	240.68	31.24	-75.41	-1,886.09	317.85	7,794.48	7,688.07	106.41	73.247		
15,400.00	7,145.10	6,563.00	6,439.85	243.48	31.24	-75.41	-1,886.09	317.85	7,888.38	7,781.95	106.43	74.121		
15,500.00	7,145.30	6,563.00	6,439.85	246.29	31.24	-75.41	-1,886.09	317.85	7,982.42	7,875.99	106.44	74.997		
15,600.00	7,145.50	6,563.00	6,439.85	249.10	31.24	-75.41	-1,886.09	317.85	8,076.61	7,970.16	106.45	75.874		
15,700.00	7,145.69	6,563.00	6,439.85	251.91	31.24	-75.41	-1,886.09	317.85	8,170.94	8,064.48	106.46	76.752		
15,800.00	7,145.89	6,563.00	6,439.85	254.71	31.24	-75.41	-1,886.09	317.85	8,265.40	8,158.92	106.47	77.631		
15,900.00	7,146.09	6,563.00	6,439.85	257.52	31.24	-75.41	-1,886.09	317.85	8,359.98	8,253.50	106.48	78.510		
16,000.00	7,146.28	6,563.00	6,439.85	260.34	31.24	-75.41	-1,886.09	317.85	8,454.70	8,348.20	106.49	79.391		
16,100.00	7,146.48	6,563.00	6,439.85	263.15	31.24	-75.41	-1,886.09	317.85	8,549.53	8,443.02	106.51	80.272		
16,200.00	7,146.68	6,563.00	6,439.85	265.96	31.24	-75.41	-1,886.09	317.85	8,644.48	8,537.96	106.52	81.154		
16,300.00	7,146.87	6,563.00	6,439.85	268.77	31.24	-75.41	-1,886.09	317.85	8,739.54	8,633.01	106.53	82.036		
16,400.00	7,147.07	6,563.00	6,439.85	271.58	31.24	-75.41	-1,886.09	317.85	8,834.71	8,728.16	106.55	82.919		
16,500.00	7,147.27	6,563.00	6,439.85	274.40	31.24	-75.41	-1,886.09	317.85	8,929.99	8,823.43	106.56	83.803		
16,600.00	7,147.46	6,563.00	6,439.85	277.21	31.24	-75.41	-1,886.09	317.85	9,025.37	8,918.79	106.57	84.687		
16,700.00	7,147.66	6,563.00	6,439.85	280.03	31.24	-75.41	-1,886.09	317.85	9,120.84	9,014.25	106.59	85.571		
16,800.00	7,147.86	6,563.00	6,439.85	282.84	31.24	-75.41	-1,886.09	317.85	9,216.42	9,109.81	106.60	86.455		
16,900.00	7,148.05	6,563.00	6,439.85	285.66	31.24	-75.41	-1,886.09	317.85	9,312.08	9,205.46	106.62	87.340		
17,000.00	7,148.25	6,563.00	6,439.85	288.48	31.24	-75.41	-1,886.09	317.85	9,407.84	9,301.20	106.64	88.225		
17,100.00	7,148.45	6,563.00	6,439.85	291.29	31.24	-75.41	-1,886.09	317.85	9,503.68	9,397.03	106.65	89.110		
17,200.00	7,148.64	6,563.00	6,439.85	294.11	31.24	-75.41	-1,886.09	317.85	9,599.61	9,492.94	106.67	89.995		
17,300.00	7,148.84	6,563.00	6,439.85	296.93	31.24	-75.41	-1,886.09	317.85	9,695.62	9,588.94	106.69	90.880		
17,400.00	7,149.04	6,563.00	6,439.85	299.75	31.24	-75.41	-1,886.09	317.85	9,791.71	9,685.01	106.70	91.765		
17,500.00	7,149.23	6,563.00	6,439.85	302.57	31.24	-75.41	-1,886.09	317.85	9,887.88	9,781.16	106.72	92.650		
17,600.00	7,149.43	6,563.00	6,439.85	305.39	31.24	-75.41	-1,886.09	317.85	9,984.13	9,877.38	106.74	93.534		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,562.00	6,478.14	204.01	29.83	-70.73	-1,574.54	290.50	6,436.71	6,339.24	97.47	66.038		
14,100.00	7,142.57	6,562.00	6,478.14	206.83	29.83	-70.73	-1,574.54	290.50	6,532.11	6,434.64	97.48	67.012		
14,200.00	7,142.76	6,562.00	6,478.14	209.65	29.83	-70.73	-1,574.54	290.50	6,627.65	6,530.17	97.48	67.988		
14,300.00	7,142.96	6,562.00	6,478.14	212.48	29.83	-70.73	-1,574.54	290.50	6,723.32	6,625.83	97.49	68.964		
14,400.00	7,143.15	6,562.00	6,478.14	215.30	29.83	-70.73	-1,574.54	290.50	6,819.11	6,721.61	97.50	69.941		
14,500.00	7,143.34	6,562.00	6,478.14	218.13	29.83	-70.73	-1,574.54	290.50	6,915.02	6,817.51	97.51	70.919		
14,600.00	7,143.54	6,562.00	6,478.14	220.96	29.83	-70.73	-1,574.54	290.50	7,011.04	6,913.53	97.51	71.898		
14,700.00	7,143.73	6,562.00	6,478.14	223.79	29.83	-70.73	-1,574.54	290.50	7,107.18	7,009.65	97.52	72.877		
14,800.00	7,143.93	6,562.00	6,478.14	226.62	29.83	-70.73	-1,574.54	290.50	7,203.41	7,105.88	97.53	73.856		
14,838.32	7,144.00	6,562.00	6,478.14	227.70	29.83	-70.73	-1,574.54	290.50	7,240.32	7,142.79	97.54	74.232		
14,900.00	7,144.12	6,562.00	6,478.14	229.45	29.83	-72.10	-1,574.54	290.50	7,299.58	7,202.04	97.54	74.836		
15,000.00	7,144.32	6,562.00	6,478.14	232.26	29.83	-73.95	-1,574.54	290.50	7,394.98	7,297.44	97.54	75.813		
15,027.81	7,144.37	6,562.00	6,478.14	233.04	29.83	-74.41	-1,574.54	290.50	7,421.35	7,323.81	97.54	76.084		
15,100.00	7,144.51	6,518.36	6,434.96	235.07	29.67	-73.41	-1,574.98	284.31	7,487.82	7,390.33	97.49	76.808		
15,200.00	7,144.71	6,517.72	6,434.32	237.87	29.66	-73.40	-1,574.99	284.25	7,582.62	7,485.14	97.48	77.783		
15,300.00	7,144.91	6,517.09	6,433.70	240.68	29.66	-73.38	-1,574.99	284.18	7,677.55	7,580.07	97.48	78.759		
15,400.00	7,145.10	6,516.49	6,433.10	243.48	29.66	-73.37	-1,575.00	284.13	7,772.61	7,675.13	97.48	79.735		
15,500.00	7,145.30	6,515.89	6,432.51	246.29	29.66	-73.36	-1,575.01	284.07	7,867.79	7,770.31	97.48	80.712		
15,600.00	7,145.50	6,515.32	6,431.93	249.10	29.66	-73.34	-1,575.01	284.02	7,963.09	7,865.61	97.48	81.690		
15,700.00	7,145.69	6,514.75	6,431.37	251.91	29.65	-73.33	-1,575.02	283.96	8,058.50	7,961.02	97.48	82.668		
15,800.00	7,145.89	6,514.20	6,430.82	254.71	29.65	-73.32	-1,575.02	283.91	8,154.02	8,056.53	97.48	83.646		
15,900.00	7,146.09	6,513.66	6,430.28	257.52	29.65	-73.31	-1,575.03	283.86	8,249.64	8,152.16	97.49	84.625		
16,000.00	7,146.28	6,513.14	6,429.76	260.34	29.65	-73.29	-1,575.03	283.82	8,345.37	8,247.88	97.49	85.604		
16,100.00	7,146.48	6,512.62	6,429.25	263.15	29.65	-73.28	-1,575.04	283.77	8,441.19	8,343.70	97.49	86.582		
16,200.00	7,146.68	6,512.12	6,428.75	265.96	29.64	-73.27	-1,575.05	283.73	8,537.11	8,439.62	97.50	87.561		
16,300.00	7,146.87	6,468.00	6,384.69	268.77	29.48	-72.27	-1,575.51	281.77	8,635.05	8,537.61	97.44	88.623		
16,400.00	7,147.07	6,468.00	6,384.69	271.58	29.48	-72.27	-1,575.51	281.77	8,731.11	8,633.67	97.44	89.601		
16,500.00	7,147.27	6,468.00	6,384.69	274.40	29.48	-72.27	-1,575.51	281.77	8,827.26	8,729.80	97.45	90.579		
16,600.00	7,147.46	6,468.00	6,384.69	277.21	29.48	-72.27	-1,575.51	281.77	8,923.49	8,826.03	97.46	91.557		
16,700.00	7,147.66	6,468.00	6,384.69	280.03	29.48	-72.27	-1,575.51	281.77	9,019.80	8,922.33	97.48	92.534		
16,800.00	7,147.86	6,468.00	6,384.69	282.84	29.48	-72.27	-1,575.51	281.77	9,116.20	9,018.71	97.49	93.511		
16,900.00	7,148.05	6,468.00	6,384.69	285.66	29.48	-72.27	-1,575.51	281.77	9,212.67	9,115.17	97.50	94.488		
17,000.00	7,148.25	6,468.00	6,384.69	288.48	29.48	-72.27	-1,575.51	281.77	9,309.21	9,211.70	97.51	95.465		
17,100.00	7,148.45	6,468.00	6,384.69	291.29	29.48	-72.27	-1,575.51	281.77	9,405.83	9,308.30	97.53	96.441		
17,200.00	7,148.64	6,468.00	6,384.69	294.11	29.48	-72.27	-1,575.51	281.77	9,502.52	9,404.97	97.55	97.417		
17,300.00	7,148.84	6,468.00	6,384.69	296.93	29.48	-72.27	-1,575.51	281.77	9,599.27	9,501.71	97.56	98.392		
17,400.00	7,149.04	6,468.00	6,384.69	299.75	29.48	-72.27	-1,575.51	281.77	9,696.09	9,598.51	97.58	99.366		
17,500.00	7,149.23	6,468.00	6,384.69	302.57	29.48	-72.27	-1,575.51	281.77	9,792.98	9,695.38	97.60	100.340		
17,600.00	7,149.43	6,468.00	6,384.69	305.39	29.48	-72.27	-1,575.51	281.77	9,889.93	9,792.31	97.62	101.313		
17,700.00	7,149.63	6,468.00	6,384.69	308.21	29.48	-72.27	-1,575.51	281.77	9,986.93	9,889.29	97.64	102.286		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,100.00	7,142.57	6,560.05	6,275.92	206.83	35.51	-72.35	-2,392.44	409.37	6,952.82	6,831.62	121.19	57.370		
14,200.00	7,142.76	6,560.91	6,276.73	209.65	35.51	-72.37	-2,392.72	409.35	7,044.58	6,923.28	121.30	58.076		
14,300.00	7,142.96	6,561.76	6,277.53	212.48	35.52	-72.38	-2,393.00	409.34	7,136.57	7,015.16	121.40	58.783		
14,400.00	7,143.15	6,562.60	6,278.32	215.30	35.52	-72.40	-2,393.28	409.32	7,228.77	7,107.26	121.50	59.494		
14,500.00	7,143.34	6,563.43	6,279.10	218.13	35.53	-72.42	-2,393.56	409.31	7,321.17	7,199.57	121.60	60.206		
14,600.00	7,143.54	6,564.26	6,279.88	220.96	35.53	-72.44	-2,393.83	409.29	7,413.77	7,292.07	121.70	60.920		
14,700.00	7,143.73	6,565.07	6,280.66	223.79	35.54	-72.45	-2,394.10	409.28	7,506.56	7,384.77	121.79	61.637		
14,800.00	7,143.93	6,565.89	6,281.42	226.62	35.54	-72.47	-2,394.37	409.26	7,599.53	7,477.66	121.88	62.355		
14,838.32	7,144.00	6,566.20	6,281.71	227.70	35.54	-72.48	-2,394.48	409.26	7,635.21	7,513.30	121.91	62.631		
14,900.00	7,144.12	6,566.83	6,282.31	229.45	35.55	-73.39	-2,394.69	409.25	7,692.45	7,570.49	121.96	63.072		
15,000.00	7,144.32	6,568.44	6,283.82	232.26	35.56	-74.70	-2,395.22	409.22	7,784.37	7,662.31	122.05	63.778		
15,027.81	7,144.37	6,569.01	6,284.36	233.04	35.56	-75.03	-2,395.41	409.21	7,809.73	7,687.65	122.08	63.973		
15,100.00	7,144.51	6,570.56	6,285.83	235.07	35.57	-75.06	-2,395.92	409.18	7,875.50	7,753.35	122.15	64.475		
15,200.00	7,144.71	6,572.69	6,287.84	237.87	35.58	-75.10	-2,396.63	409.14	7,966.79	7,844.55	122.24	65.174		
15,300.00	7,144.91	6,574.81	6,289.83	240.68	35.60	-75.14	-2,397.34	409.10	8,058.28	7,935.95	122.33	65.874		
15,400.00	7,145.10	6,576.91	6,291.81	243.48	35.61	-75.17	-2,398.03	409.07	8,149.97	8,027.56	122.42	66.576		
15,500.00	7,145.30	6,578.99	6,293.78	246.29	35.62	-75.21	-2,398.73	409.03	8,241.86	8,119.36	122.50	67.280		
15,600.00	7,145.50	6,581.06	6,295.73	249.10	35.63	-75.25	-2,399.42	409.00	8,333.93	8,211.35	122.58	67.985		
15,700.00	7,145.69	6,583.11	6,297.66	251.91	35.65	-75.28	-2,400.10	408.96	8,426.18	8,303.52	122.67	68.693		
15,800.00	7,145.89	6,585.15	6,299.58	254.71	35.66	-75.32	-2,400.78	408.93	8,518.61	8,395.87	122.74	69.401		
15,900.00	7,146.09	6,587.17	6,301.49	257.52	35.67	-75.35	-2,401.45	408.89	8,611.20	8,488.38	122.82	70.111		
16,000.00	7,146.28	6,589.18	6,303.38	260.34	35.68	-75.39	-2,402.12	408.86	8,703.96	8,581.06	122.90	70.823		
16,100.00	7,146.48	6,603.00	6,316.41	263.15	35.76	-75.63	-2,406.73	408.64	8,796.89	8,673.76	123.13	71.445		
16,200.00	7,146.68	6,603.00	6,316.41	265.96	35.76	-75.63	-2,406.73	408.64	8,889.95	8,766.78	123.18	72.173		
16,300.00	7,146.87	6,603.00	6,316.41	268.77	35.76	-75.63	-2,406.73	408.64	8,983.17	8,859.95	123.22	72.903		
16,400.00	7,147.07	6,603.00	6,316.41	271.58	35.76	-75.63	-2,406.73	408.64	9,076.53	8,953.26	123.27	73.634		
16,500.00	7,147.27	6,603.00	6,316.41	274.40	35.76	-75.63	-2,406.73	408.64	9,170.02	9,046.71	123.31	74.366		
16,600.00	7,147.46	6,603.00	6,316.41	277.21	35.76	-75.63	-2,406.73	408.64	9,263.66	9,140.31	123.35	75.099		
16,700.00	7,147.66	6,603.00	6,316.41	280.03	35.76	-75.63	-2,406.73	408.64	9,357.42	9,234.03	123.39	75.834		
16,800.00	7,147.86	6,608.42	6,321.52	282.84	35.80	-75.73	-2,408.54	408.56	9,451.32	9,327.81	123.51	76.525		
16,900.00	7,148.05	6,614.40	6,327.16	285.66	35.83	-75.83	-2,410.52	408.46	9,545.33	9,421.70	123.63	77.212		
17,000.00	7,148.25	6,620.34	6,332.77	288.48	35.87	-75.94	-2,412.49	408.37	9,639.46	9,515.72	123.74	77.899		
17,100.00	7,148.45	6,626.23	6,338.33	291.29	35.90	-76.04	-2,414.43	408.28	9,733.71	9,609.85	123.86	78.587		
17,200.00	7,148.64	6,632.08	6,343.85	294.11	35.94	-76.15	-2,416.36	408.19	9,828.07	9,704.10	123.97	79.275		
17,300.00	7,148.84	6,637.89	6,349.34	296.93	35.97	-76.25	-2,418.26	408.10	9,922.54	9,798.45	124.09	79.963		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,804.00	6,620.95	204.01	32.04	43.25	725.66	481.72	6,316.67	6,246.28	70.39	89.736		
14,100.00	7,142.57	6,804.00	6,620.95	206.83	32.04	43.25	725.66	481.72	6,416.09	6,345.65	70.44	91.086		
14,200.00	7,142.76	6,804.00	6,620.95	209.65	32.04	43.25	725.66	481.72	6,515.53	6,445.04	70.49	92.432		
14,300.00	7,142.96	6,804.00	6,620.95	212.48	32.04	43.25	725.66	481.72	6,614.99	6,544.45	70.54	93.776		
14,400.00	7,143.15	6,804.00	6,620.95	215.30	32.04	43.25	725.66	481.72	6,714.46	6,643.87	70.59	95.116		
14,500.00	7,143.34	6,804.00	6,620.95	218.13	32.04	43.25	725.66	481.72	6,813.95	6,743.30	70.65	96.453		
14,600.00	7,143.54	6,804.00	6,620.95	220.96	32.04	43.25	725.66	481.72	6,913.45	6,842.75	70.70	97.786		
14,700.00	7,143.73	6,804.00	6,620.95	223.79	32.04	43.25	725.66	481.72	7,012.96	6,942.21	70.75	99.116		
14,800.00	7,143.93	6,804.00	6,620.95	226.62	32.04	43.25	725.66	481.72	7,112.49	7,041.68	70.81	100.443		
14,838.32	7,144.00	6,804.00	6,620.95	227.70	32.04	43.25	725.66	481.72	7,150.64	7,079.81	70.83	100.951		
14,900.00	7,144.12	6,804.00	6,620.95	229.45	32.04	32.28	725.66	481.72	7,212.08	7,141.21	70.87	101.766		
15,000.00	7,144.32	6,804.00	6,620.95	232.26	32.04	7.09	725.66	481.72	7,311.80	7,240.87	70.93	103.081		
15,027.81	7,144.37	6,804.00	6,620.95	233.04	32.04	-1.03	725.66	481.72	7,339.55	7,268.59	70.95	103.445		
15,100.00	7,144.51	6,804.00	6,620.95	235.07	32.04	-1.03	725.66	481.72	7,411.57	7,340.57	71.00	104.389		
15,200.00	7,144.71	6,804.00	6,620.95	237.87	32.04	-1.03	725.66	481.72	7,511.35	7,440.28	71.07	105.694		
15,300.00	7,144.91	6,804.00	6,620.95	240.68	32.04	-1.03	725.66	481.72	7,611.13	7,540.00	71.14	106.995		
15,400.00	7,145.10	6,804.00	6,620.95	243.48	32.04	-1.03	725.66	481.72	7,710.92	7,639.71	71.20	108.292		
15,500.00	7,145.30	6,804.00	6,620.95	246.29	32.04	-1.03	725.66	481.72	7,810.71	7,739.44	71.27	109.586		
15,600.00	7,145.50	6,804.00	6,620.95	249.10	32.04	-1.03	725.66	481.72	7,910.51	7,839.17	71.35	110.876		
15,700.00	7,145.69	6,804.00	6,620.95	251.91	32.04	-1.03	725.66	481.72	8,010.32	7,938.90	71.42	112.162		
15,800.00	7,145.89	6,804.00	6,620.95	254.71	32.04	-1.03	725.66	481.72	8,110.13	8,038.64	71.49	113.444		
15,900.00	7,146.09	6,804.00	6,620.95	257.52	32.04	-1.03	725.66	481.72	8,209.94	8,138.38	71.56	114.722		
16,000.00	7,146.28	6,804.00	6,620.95	260.34	32.04	-1.03	725.66	481.72	8,309.76	8,238.12	71.64	115.997		
16,100.00	7,146.48	6,804.00	6,620.95	263.15	32.04	-1.03	725.66	481.72	8,409.58	8,337.87	71.71	117.268		
16,200.00	7,146.68	6,804.00	6,620.95	265.96	32.04	-1.03	725.66	481.72	8,509.41	8,437.62	71.79	118.535		
16,300.00	7,146.87	6,804.00	6,620.95	268.77	32.04	-1.03	725.66	481.72	8,609.24	8,537.37	71.86	119.798		
16,400.00	7,147.07	6,804.00	6,620.95	271.58	32.04	-1.03	725.66	481.72	8,709.07	8,637.13	71.94	121.057		
16,500.00	7,147.27	6,804.00	6,620.95	274.40	32.04	-1.03	725.66	481.72	8,808.91	8,736.89	72.02	122.312		
16,600.00	7,147.46	6,804.00	6,620.95	277.21	32.04	-1.03	725.66	481.72	8,908.75	8,836.65	72.10	123.563		
16,700.00	7,147.66	6,804.00	6,620.95	280.03	32.04	-1.03	725.66	481.72	9,008.60	8,936.42	72.18	124.810		
16,800.00	7,147.86	6,804.00	6,620.95	282.84	32.04	-1.03	725.66	481.72	9,108.44	9,036.19	72.26	126.053		
16,900.00	7,148.05	6,804.00	6,620.95	285.66	32.04	-1.03	725.66	481.72	9,208.30	9,135.96	72.34	127.292		
17,000.00	7,148.25	6,804.00	6,620.95	288.48	32.04	-1.03	725.66	481.72	9,308.15	9,235.73	72.42	128.527		
17,100.00	7,148.45	6,804.00	6,620.95	291.29	32.04	-1.03	725.66	481.72	9,408.01	9,335.51	72.50	129.758		
17,200.00	7,148.64	6,804.00	6,620.95	294.11	32.04	-1.03	725.66	481.72	9,507.87	9,435.28	72.59	130.985		
17,300.00	7,148.84	6,804.00	6,620.95	296.93	32.04	-1.03	725.66	481.72	9,607.74	9,535.06	72.67	132.207		
17,400.00	7,149.04	6,804.00	6,620.95	299.75	32.04	-1.03	725.66	481.72	9,707.60	9,634.85	72.76	133.426		
17,500.00	7,149.23	6,804.00	6,620.95	302.57	32.04	-1.03	725.66	481.72	9,807.47	9,734.63	72.84	134.640		
17,600.00	7,149.43	6,804.00	6,620.95	305.39	32.04	-1.03	725.66	481.72	9,907.34	9,834.42	72.93	135.850		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	136.95	-542.81	506.98	742.83					
100.00	100.00	98.06	98.05	3.28	3.29	136.91	-541.94	507.03	742.20	735.63	6.57	112.926		
200.00	200.00	208.16	208.11	3.34	3.31	136.74	-538.90	507.21	740.30	733.65	6.65	111.285		
300.00	299.98	302.32	302.20	3.44	3.39	56.69	-535.43	507.59	736.95	730.12	6.83	107.948		
400.00	399.84	388.47	388.34	3.60	3.49	56.93	-533.87	508.07	733.15	726.06	7.09	103.410		
500.00	499.45	475.32	475.18	3.81	3.63	57.53	-534.83	508.31	729.41	721.98	7.44	98.102		
600.00	598.70	574.38	574.21	4.06	3.83	58.44	-536.60	509.51	725.06	717.19	7.88	92.051		
700.00	697.47	672.22	672.01	4.34	4.06	59.41	-536.38	512.44	718.74	710.34	8.39	85.640		
785.50	781.43	753.99	753.62	4.61	4.29	60.22	-534.76	517.11	712.43	703.55	8.88	80.208		
800.00	795.63	767.91	767.49	4.66	4.33	60.33	-534.32	518.14	711.30	702.33	8.97	79.295		
900.00	893.55	862.86	861.95	5.02	4.61	60.95	-530.34	526.89	703.87	694.27	9.60	73.325		
1,000.00	991.47	959.48	957.88	5.40	4.92	61.45	-525.63	537.45	697.08	686.80	10.28	67.815		
1,100.00	1,089.39	1,058.09	1,055.92	5.80	5.25	62.08	-521.89	547.32	690.62	679.62	11.00	62.775		
1,200.00	1,187.31	1,171.15	1,168.57	6.21	5.65	63.02	-518.29	556.15	683.42	671.62	11.80	57.918		
1,300.00	1,285.22	1,275.71	1,272.98	6.64	6.03	64.18	-515.81	561.04	675.17	662.57	12.59	53.609		
1,400.00	1,383.14	1,385.83	1,383.08	7.08	6.43	65.78	-513.91	561.75	665.36	651.94	13.42	49.588		
1,500.00	1,481.06	1,482.32	1,479.54	7.52	6.78	67.50	-513.64	559.32	655.51	641.30	14.21	46.133		
1,600.00	1,578.98	1,575.68	1,572.85	7.98	7.12	69.31	-514.30	556.29	646.77	631.77	15.00	43.106		
1,700.00	1,676.90	1,670.64	1,667.79	8.44	7.47	71.06	-514.68	554.81	639.30	623.48	15.82	40.415		
1,800.00	1,774.82	1,770.72	1,767.86	8.90	7.85	72.85	-514.56	554.22	632.50	615.83	16.67	37.952		
1,900.00	1,872.74	1,878.31	1,875.45	9.37	8.27	74.74	-513.34	553.91	625.58	608.03	17.55	35.646		
2,000.00	1,970.66	1,990.88	1,987.94	9.84	8.72	76.69	-509.28	553.19	616.84	598.39	18.46	33.420		
2,100.00	2,068.57	2,108.91	2,105.72	10.32	9.19	78.68	-501.77	552.52	606.28	586.91	19.37	31.292		
2,200.00	2,166.49	2,224.38	2,220.63	10.80	9.66	80.61	-490.45	551.52	592.96	572.68	20.28	29.242		
2,300.00	2,264.41	2,340.50	2,335.67	11.28	10.14	82.46	-474.78	551.01	576.80	555.64	21.17	27.250		
2,400.00	2,362.33	2,449.59	2,443.36	11.76	10.59	84.21	-457.32	550.68	558.84	536.79	22.05	25.349		
2,500.00	2,460.25	2,563.60	2,555.37	12.24	11.07	86.13	-436.11	549.97	538.76	515.86	22.90	23.524		
2,600.00	2,558.17	2,696.42	2,684.34	12.73	11.63	88.28	-404.53	550.08	514.45	490.82	23.63	21.774		
2,700.00	2,656.09	2,841.78	2,821.60	13.22	12.27	90.32	-356.96	552.58	482.25	458.21	24.04	20.060		
2,800.00	2,754.01	2,957.29	2,927.14	13.71	12.80	92.12	-310.06	553.72	442.31	417.75	24.55	18.013		
2,900.00	2,851.92	3,039.27	3,001.72	14.20	13.19	93.80	-276.04	553.47	401.64	376.08	25.56	15.711		
3,000.00	2,949.84	3,122.31	3,078.01	14.69	13.60	96.09	-243.29	552.00	363.25	336.64	26.61	13.651		
3,100.00	3,047.76	3,214.35	3,163.03	15.18	14.05	99.25	-208.08	550.06	326.76	299.24	27.52	11.874		
3,200.00	3,145.68	3,298.92	3,241.26	15.67	14.47	102.86	-176.04	548.07	291.74	263.10	28.64	10.188		
3,300.00	3,243.60	3,384.55	3,321.40	16.17	14.90	107.27	-145.89	546.28	260.90	231.12	29.78	8.760		
3,400.00	3,341.52	3,472.51	3,404.34	16.66	15.34	112.71	-116.68	544.55	234.18	203.26	30.92	7.573		
3,500.00	3,439.44	3,563.68	3,490.97	17.16	15.79	119.11	-88.29	543.95	212.03	180.02	32.01	6.624		
3,600.00	3,537.36	3,662.16	3,584.80	17.65	16.28	126.30	-58.55	546.92	192.88	159.96	32.92	5.859		
3,700.00	3,635.27	3,761.31	3,678.36	18.15	16.79	135.15	-25.96	550.78	174.47	140.66	33.81	5.160		
3,800.00	3,733.19	3,857.17	3,767.57	18.65	17.29	146.73	9.05	552.28	159.67	124.85	34.83	4.585		
3,900.00	3,831.11	3,948.65	3,851.01	19.14	17.78	160.93	46.48	551.02	152.75	116.82	35.93	4.251		
3,907.96	3,838.90	3,955.72	3,857.40	19.18	17.82	162.12	49.52	550.82	152.70	116.69	36.01	4.240 CC, ES, SF		
4,000.00	3,929.03	4,036.45	3,929.44	19.64	18.27	176.14	85.78	547.53	158.69	121.91	36.78	4.315		
4,100.00	4,026.95	4,121.42	4,003.53	20.14	18.76	-169.67	127.09	542.69	178.95	141.78	37.16	4.815		
4,200.00	4,124.87	4,207.35	4,077.54	20.64	19.26	-157.76	170.46	537.50	210.69	173.24	37.45	5.625		
4,300.00	4,222.79	4,297.74	4,156.11	21.14	19.80	-148.59	214.91	533.00	248.35	210.27	38.08	6.522		
4,400.00	4,320.71	4,393.50	4,241.91	21.64	20.35	-142.42	257.12	528.23	287.79	248.70	39.09	7.362		
4,500.00	4,418.62	4,495.54	4,335.57	22.14	20.93	-138.22	297.38	524.16	326.02	285.67	40.35	8.079		
4,600.00	4,516.54	4,596.17	4,430.07	22.64	21.48	-135.73	331.80	520.88	361.70	320.18	41.52	8.712		
4,700.00	4,614.46	4,697.38	4,526.19	23.14	22.02	-134.16	363.24	517.19	396.36	353.70	42.65	9.292		
4,800.00	4,712.38	4,795.25	4,619.74	23.64	22.53	-132.99	391.92	514.91	429.15	385.47	43.68	9.825		
4,900.00	4,810.30	4,890.13	4,710.56	24.14	23.03	-132.09	419.26	512.45	461.97	417.35	44.62	10.354		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,986.05	4,802.39	24.64	23.53	-131.28	446.90	510.34	494.60	449.02	45.59	10.850		
5,100.00	5,006.14	5,085.51	4,897.55	25.14	24.05	-130.46	475.79	509.03	526.79	480.16	46.63	11.298		
5,200.00	5,104.06	5,172.31	4,980.11	25.64	24.51	-129.58	502.55	509.47	558.87	511.47	47.41	11.789		
5,300.00	5,201.97	5,254.78	5,057.37	26.14	24.96	-128.50	531.35	510.65	593.03	544.93	48.10	12.329		
5,400.00	5,299.89	5,341.41	5,137.79	26.64	25.45	-127.32	563.54	511.89	628.86	579.97	48.89	12.862		
5,500.00	5,397.81	5,441.20	5,230.36	27.15	26.01	-126.10	600.77	513.35	665.06	615.07	49.99	13.304		
5,600.00	5,495.73	5,541.76	5,324.70	27.65	26.57	-125.20	635.57	514.54	699.75	648.66	51.09	13.697		
5,700.00	5,593.65	5,646.85	5,423.60	28.15	27.14	-124.40	671.06	515.94	733.92	681.67	52.26	14.044		
5,800.00	5,691.57	5,739.77	5,511.40	28.65	27.65	-123.78	701.41	517.82	766.93	713.74	53.19	14.419		
5,900.00	5,789.49	5,818.62	5,585.77	29.15	28.08	-123.32	727.62	518.63	801.10	747.24	53.86	14.875		
6,000.00	5,887.41	5,899.53	5,661.46	29.66	28.53	-122.82	756.20	518.82	837.26	782.70	54.56	15.345		
6,100.00	5,985.32	5,986.76	5,743.03	30.16	29.02	-122.35	787.11	518.25	874.18	818.78	55.40	15.780		
6,200.00	6,083.24	6,070.85	5,821.40	30.66	29.50	-121.92	817.58	517.35	911.99	855.82	56.18	16.234		
6,300.00	6,181.16	6,163.17	5,907.41	31.16	30.02	-121.52	851.06	515.56	950.43	893.30	57.13	16.637		
6,400.00	6,279.08	6,266.24	6,004.13	31.67	30.60	-121.21	886.61	513.25	987.75	929.47	58.28	16.948		
6,490.03	6,367.24	6,336.03	6,069.75	32.12	30.99	-121.08	910.21	510.59	1,021.86	962.98	58.87	17.357		
6,500.00	6,377.01	6,343.71	6,076.96	32.17	31.03	-120.41	912.83	510.24	1,025.65	966.71	58.94	17.403		
6,550.00	6,426.43	6,382.47	6,113.26	32.40	31.25	-113.06	926.33	508.54	1,043.41	984.17	59.24	17.612		
6,600.00	6,476.27	6,421.41	6,149.53	32.61	31.47	-79.13	940.39	506.97	1,059.00	999.47	59.53	17.790		
6,650.00	6,526.21	6,463.15	6,188.24	32.80	31.71	6.71	955.94	505.45	1,072.33	1,012.49	59.85	17.918		
6,700.00	6,575.96	6,505.82	6,227.67	32.98	31.96	27.67	972.20	504.06	1,083.30	1,023.13	60.17	18.004		
6,750.00	6,625.19	6,567.14	6,284.27	33.16	32.32	34.51	995.70	502.40	1,091.73	1,030.86	60.87	17.935		
6,800.00	6,673.62	6,644.37	6,356.30	33.35	32.76	38.63	1,023.56	500.99	1,096.52	1,034.66	61.87	17.724		
6,850.00	6,720.94	6,720.77	6,428.12	33.55	33.19	41.91	1,049.59	500.88	1,097.78	1,034.97	62.81	17.478		
6,900.00	6,766.86	7,100.79	6,766.25	33.76	34.99	56.85	1,169.83	604.93	1,088.03	1,022.12	65.91	16.508		
6,950.00	6,811.10	7,136.74	6,795.16	33.98	35.12	60.42	1,180.19	623.62	1,074.78	1,008.41	66.37	16.194		
7,000.00	6,853.38	7,169.09	6,820.84	34.23	35.24	63.75	1,189.33	641.02	1,061.31	994.48	66.83	15.881		
7,050.00	6,893.45	7,196.94	6,842.67	34.50	35.34	66.79	1,197.08	656.49	1,048.10	980.79	67.31	15.571		
7,100.00	6,931.05	7,216.51	6,857.79	34.79	35.41	69.30	1,202.44	667.69	1,035.54	967.75	67.79	15.275		
7,150.00	6,965.96	7,227.31	6,866.06	35.12	35.44	71.18	1,205.37	674.00	1,023.98	955.73	68.25	15.003		
7,200.00	6,997.96	7,230.98	6,868.85	35.47	35.46	72.50	1,206.36	676.16	1,013.67	944.98	68.69	14.757		
7,250.00	7,026.85	7,228.81	6,867.20	35.86	35.45	73.33	1,205.77	674.88	1,004.75	935.66	69.09	14.542		
7,300.00	7,052.45	7,221.86	6,861.89	36.29	35.43	73.71	1,203.89	670.81	997.31	927.85	69.46	14.358		
7,350.00	7,074.61	7,210.95	6,853.51	36.76	35.39	73.71	1,200.93	664.48	991.34	921.55	69.79	14.204		
7,400.00	7,093.19	7,196.75	6,842.52	37.27	35.34	73.38	1,197.03	656.38	986.80	916.71	70.09	14.079		
7,450.00	7,108.07	7,179.80	6,829.27	37.81	35.28	72.78	1,192.33	646.91	983.61	913.25	70.36	13.980		
7,500.00	7,119.17	7,160.55	6,814.09	38.39	35.21	71.94	1,186.93	636.38	981.66	911.04	70.61	13.902		
7,550.00	7,126.41	7,138.84	6,796.83	38.99	35.12	70.88	1,180.78	624.73	980.78	909.94	70.85	13.844		
7,572.63	7,128.41	7,128.26	6,788.37	39.28	35.08	70.35	1,177.76	619.14	980.70	909.75	70.95	13.823		
7,600.00	7,129.75	7,114.91	6,777.64	39.62	35.03	69.65	1,173.93	612.17	980.81	909.76	71.06	13.803		
7,616.41	7,130.00	7,106.62	6,770.96	39.83	35.00	69.22	1,171.53	607.90	980.99	909.86	71.12	13.793		
7,700.00	7,130.16	7,063.60	6,735.95	40.97	34.84	67.04	1,158.93	586.32	984.71	913.27	71.44	13.784		
7,800.00	7,130.35	7,015.51	6,696.18	42.46	34.64	64.56	1,144.29	563.60	996.16	924.33	71.82	13.870		
7,900.00	7,130.55	6,993.00	6,677.34	44.09	34.55	63.39	1,137.23	553.50	1,015.56	942.82	72.74	13.962		
8,000.00	7,130.74	6,957.74	6,647.25	45.84	34.39	61.53	1,125.97	539.00	1,042.90	969.64	73.26	14.236		
8,100.00	7,130.94	6,939.07	6,630.94	47.70	34.31	60.53	1,119.93	532.19	1,078.26	1,004.19	74.07	14.557		
8,200.00	7,131.13	6,923.44	6,617.11	49.65	34.23	59.69	1,114.85	526.97	1,120.92	1,046.10	74.82	14.981		
8,300.00	7,131.32	6,899.00	6,595.21	51.70	34.12	58.37	1,106.85	519.67	1,170.34	1,095.11	75.23	15.558		
8,400.00	7,131.52	6,899.00	6,595.21	53.81	34.12	58.37	1,106.85	519.67	1,225.41	1,149.34	76.06	16.111		
8,500.00	7,131.71	6,899.00	6,595.21	55.99	34.12	58.37	1,106.85	519.67	1,285.90	1,209.16	76.74	16.757		
8,600.00	7,131.90	6,899.00	6,595.21	58.24	34.12	58.37	1,106.85	519.67	1,351.10	1,273.82	77.28	17.484		
8,700.00	7,132.10	6,899.00	6,595.21	60.53	34.12	58.37	1,106.85	519.67	1,420.35	1,342.66	77.70	18.281		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,800.00	7,132.29	6,899.00	6,595.21	62.87	34.12	58.37	1,106.85	519.67	1,493.09	1,415.07	78.02	19.137		
8,900.00	7,132.49	6,899.00	6,595.21	65.25	34.12	58.37	1,106.85	519.67	1,568.84	1,490.57	78.27	20.045		
9,000.00	7,132.68	6,862.88	6,562.15	67.68	33.94	56.41	1,095.07	511.17	1,645.41	1,567.51	77.89	21.123		
9,100.00	7,132.87	6,858.94	6,558.49	70.13	33.92	56.20	1,093.80	510.42	1,725.56	1,647.57	78.00	22.124		
9,200.00	7,133.07	6,855.36	6,555.17	72.61	33.90	56.00	1,092.64	509.78	1,807.67	1,729.60	78.07	23.156		
9,300.00	7,133.26	6,852.10	6,552.13	75.13	33.88	55.82	1,091.60	509.21	1,891.46	1,813.35	78.11	24.216		
9,400.00	7,133.46	6,849.12	6,549.36	77.66	33.87	55.66	1,090.64	508.72	1,976.74	1,898.61	78.13	25.300		
9,500.00	7,133.65	6,846.39	6,546.81	80.22	33.85	55.52	1,089.76	508.29	2,063.32	1,985.18	78.14	26.406		
9,600.00	7,133.84	6,843.88	6,544.45	82.80	33.84	55.38	1,088.96	507.90	2,151.04	2,072.91	78.13	27.530		
9,700.00	7,134.04	6,805.00	6,507.81	85.40	33.64	53.30	1,076.67	503.83	2,241.59	2,163.93	77.66	28.864		
9,800.00	7,134.23	6,805.00	6,507.81	88.01	33.64	53.30	1,076.67	503.83	2,331.02	2,253.34	77.68	30.007		
9,900.00	7,134.43	6,805.00	6,507.81	90.64	33.64	53.30	1,076.67	503.83	2,421.28	2,343.58	77.69	31.165		
10,000.00	7,134.62	6,805.00	6,507.81	93.28	33.64	53.30	1,076.67	503.83	2,512.27	2,434.57	77.70	32.335		
10,100.00	7,134.81	6,805.00	6,507.81	95.94	33.64	53.30	1,076.67	503.83	2,603.92	2,526.23	77.69	33.515		
10,200.00	7,135.01	6,805.00	6,507.81	98.61	33.64	53.30	1,076.67	503.83	2,696.17	2,618.48	77.69	34.706		
10,300.00	7,135.20	6,805.00	6,507.81	101.28	33.64	53.30	1,076.67	503.83	2,788.95	2,711.28	77.68	35.905		
10,400.00	7,135.39	6,805.00	6,507.81	103.97	33.64	53.30	1,076.67	503.83	2,882.22	2,804.55	77.66	37.112		
10,500.00	7,135.59	6,805.00	6,507.81	106.67	33.64	53.30	1,076.67	503.83	2,975.92	2,898.27	77.65	38.325		
10,600.00	7,135.78	6,805.00	6,507.81	109.38	33.64	53.30	1,076.67	503.83	3,070.02	2,992.38	77.63	39.545		
10,700.00	7,135.98	6,805.00	6,507.81	112.09	33.64	53.30	1,076.67	503.83	3,164.48	3,086.86	77.62	40.770		
10,800.00	7,136.17	6,805.00	6,507.81	114.81	33.64	53.30	1,076.67	503.83	3,259.27	3,181.67	77.60	41.999		
10,900.00	7,136.36	6,805.00	6,507.81	117.54	33.64	53.30	1,076.67	503.83	3,354.37	3,276.78	77.59	43.233		
11,000.00	7,136.56	6,805.00	6,507.81	120.28	33.64	53.30	1,076.67	503.83	3,449.74	3,372.16	77.57	44.470		
11,100.00	7,136.75	6,805.00	6,507.81	123.02	33.64	53.30	1,076.67	503.83	3,545.36	3,467.80	77.56	45.711		
11,200.00	7,136.95	6,805.00	6,507.81	125.76	33.64	53.30	1,076.67	503.83	3,641.23	3,563.68	77.55	46.954		
11,300.00	7,137.14	6,805.00	6,507.81	128.52	33.64	53.30	1,076.67	503.83	3,737.30	3,659.77	77.54	48.200		
11,400.00	7,137.33	6,805.00	6,507.81	131.27	33.64	53.30	1,076.67	503.83	3,833.58	3,756.06	77.53	49.448		
11,500.00	7,137.53	6,805.00	6,507.81	134.03	33.64	53.30	1,076.67	503.83	3,930.05	3,852.53	77.52	50.697		
11,600.00	7,137.72	6,805.00	6,507.81	136.80	33.64	53.30	1,076.67	503.83	4,026.69	3,949.17	77.51	51.948		
11,700.00	7,137.92	6,805.00	6,507.81	139.57	33.64	53.30	1,076.67	503.83	4,123.48	4,045.98	77.51	53.201		
11,800.00	7,138.11	6,805.00	6,507.81	142.34	33.64	53.30	1,076.67	503.83	4,220.43	4,142.93	77.50	54.454		
11,900.00	7,138.30	6,805.00	6,507.81	145.12	33.64	53.30	1,076.67	503.83	4,317.52	4,240.01	77.50	55.708		
12,000.00	7,138.50	6,805.00	6,507.81	147.90	33.64	53.30	1,076.67	503.83	4,414.73	4,337.23	77.50	56.963		
12,100.00	7,138.69	6,805.00	6,507.81	150.68	33.64	53.30	1,076.67	503.83	4,512.07	4,434.57	77.50	58.218		
12,200.00	7,138.88	6,805.00	6,507.81	153.47	33.64	53.30	1,076.67	503.83	4,609.52	4,532.02	77.51	59.473		
12,300.00	7,139.08	6,805.00	6,507.81	156.26	33.64	53.30	1,076.67	503.83	4,707.08	4,629.57	77.51	60.729		
12,400.00	7,139.27	6,805.00	6,507.81	159.05	33.64	53.30	1,076.67	503.83	4,804.74	4,727.23	77.52	61.984		
12,500.00	7,139.47	6,805.00	6,507.81	161.85	33.64	53.30	1,076.67	503.83	4,902.50	4,824.97	77.52	63.239		
12,600.00	7,139.66	6,805.00	6,507.81	164.64	33.64	53.30	1,076.67	503.83	5,000.34	4,922.81	77.53	64.493		
12,700.00	7,139.85	6,805.00	6,507.81	167.44	33.64	53.30	1,076.67	503.83	5,098.26	5,020.72	77.54	65.747		
12,800.00	7,140.05	6,805.00	6,507.81	170.24	33.64	53.30	1,076.67	503.83	5,196.27	5,118.71	77.56	67.000		
12,900.00	7,140.24	6,805.00	6,507.81	173.05	33.64	53.30	1,076.67	503.83	5,294.35	5,216.78	77.57	68.253		
13,000.00	7,140.44	6,805.00	6,507.81	175.85	33.64	53.30	1,076.67	503.83	5,392.50	5,314.92	77.59	69.504		
13,100.00	7,140.63	6,805.00	6,507.81	178.66	33.64	53.30	1,076.67	503.83	5,490.72	5,413.12	77.60	70.755		
13,200.00	7,140.82	6,805.00	6,507.81	181.47	33.64	53.30	1,076.67	503.83	5,589.00	5,511.38	77.62	72.004		
13,300.00	7,141.02	6,805.00	6,507.81	184.28	33.64	53.30	1,076.67	503.83	5,687.34	5,609.70	77.64	73.253		
13,400.00	7,141.21	6,805.00	6,507.81	187.10	33.64	53.30	1,076.67	503.83	5,785.74	5,708.07	77.66	74.499		
13,500.00	7,141.41	6,805.00	6,507.81	189.91	33.64	53.30	1,076.67	503.83	5,884.19	5,806.50	77.68	75.745		
13,600.00	7,141.60	6,805.00	6,507.81	192.73	33.64	53.30	1,076.67	503.83	5,982.69	5,904.98	77.71	76.989		
13,700.00	7,141.79	6,805.00	6,507.81	195.54	33.64	53.30	1,076.67	503.83	6,081.24	6,003.51	77.73	78.232		
13,800.00	7,141.99	6,805.00	6,507.81	198.36	33.64	53.30	1,076.67	503.83	6,179.84	6,102.08	77.76	79.473		
13,900.00	7,142.18	6,805.00	6,507.81	201.18	33.64	53.30	1,076.67	503.83	6,278.48	6,200.69	77.79	80.712		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,000.00	7,142.37	6,805.00	6,507.81	204.01	33.64	53.30	1,076.67	503.83	6,377.17	6,299.35	77.82	81.949		
14,100.00	7,142.57	6,805.00	6,507.81	206.83	33.64	53.30	1,076.67	503.83	6,475.89	6,398.04	77.85	83.185		
14,200.00	7,142.76	6,805.00	6,507.81	209.65	33.64	53.30	1,076.67	503.83	6,574.66	6,496.77	77.88	84.419		
14,300.00	7,142.96	6,805.00	6,507.81	212.48	33.64	53.30	1,076.67	503.83	6,673.46	6,595.54	77.91	85.651		
14,400.00	7,143.15	6,805.00	6,507.81	215.30	33.64	53.30	1,076.67	503.83	6,772.29	6,694.34	77.95	86.881		
14,500.00	7,143.34	6,805.00	6,507.81	218.13	33.64	53.30	1,076.67	503.83	6,871.16	6,793.17	77.99	88.108		
14,600.00	7,143.54	6,805.00	6,507.81	220.96	33.64	53.30	1,076.67	503.83	6,970.06	6,892.04	78.02	89.334		
14,700.00	7,143.73	6,805.00	6,507.81	223.79	33.64	53.30	1,076.67	503.83	7,068.99	6,990.93	78.06	90.557		
14,800.00	7,143.93	6,805.00	6,507.81	226.62	33.64	53.30	1,076.67	503.83	7,167.96	7,089.86	78.10	91.779		
14,838.32	7,144.00	6,805.00	6,507.81	227.70	33.64	53.30	1,076.67	503.83	7,205.89	7,127.77	78.12	92.246		
14,900.00	7,144.12	6,805.00	6,507.81	229.45	33.64	47.44	1,076.67	503.83	7,267.02	7,188.88	78.14	92.997		
15,000.00	7,144.32	6,805.00	6,507.81	232.26	33.64	33.98	1,076.67	503.83	7,366.39	7,288.20	78.19	94.211		
15,027.81	7,144.37	6,805.00	6,507.81	233.04	33.64	29.14	1,076.67	503.83	7,394.07	7,315.86	78.20	94.548		
15,100.00	7,144.51	6,805.00	6,507.81	235.07	33.64	29.14	1,076.67	503.83	7,465.94	7,387.69	78.24	95.421		
15,200.00	7,144.71	6,805.00	6,507.81	237.87	33.64	29.14	1,076.67	503.83	7,565.50	7,487.21	78.29	96.628		
15,300.00	7,144.91	6,805.00	6,507.81	240.68	33.64	29.14	1,076.67	503.83	7,665.08	7,586.73	78.35	97.833		
15,400.00	7,145.10	6,805.00	6,507.81	243.48	33.64	29.14	1,076.67	503.83	7,764.67	7,686.26	78.40	99.035		
15,500.00	7,145.30	6,805.00	6,507.81	246.29	33.64	29.14	1,076.67	503.83	7,864.27	7,785.81	78.46	100.234		
15,600.00	7,145.50	6,805.00	6,507.81	249.10	33.64	29.14	1,076.67	503.83	7,963.87	7,885.36	78.52	101.431		
15,700.00	7,145.69	6,805.00	6,507.81	251.91	33.64	29.14	1,076.67	503.83	8,063.49	7,984.92	78.57	102.625		
15,800.00	7,145.89	6,805.00	6,507.81	254.71	33.64	29.14	1,076.67	503.83	8,163.12	8,084.49	78.63	103.816		
15,900.00	7,146.09	6,805.00	6,507.81	257.52	33.64	29.14	1,076.67	503.83	8,262.76	8,184.07	78.69	105.005		
16,000.00	7,146.28	6,805.00	6,507.81	260.34	33.64	29.14	1,076.67	503.83	8,362.40	8,283.65	78.75	106.190		
16,100.00	7,146.48	6,805.00	6,507.81	263.15	33.64	29.14	1,076.67	503.83	8,462.06	8,383.25	78.81	107.373		
16,200.00	7,146.68	6,805.00	6,507.81	265.96	33.64	29.14	1,076.67	503.83	8,561.72	8,482.85	78.87	108.553		
16,300.00	7,146.87	6,805.00	6,507.81	268.77	33.64	29.14	1,076.67	503.83	8,661.39	8,582.45	78.93	109.730		
16,400.00	7,147.07	6,805.00	6,507.81	271.58	33.64	29.14	1,076.67	503.83	8,761.06	8,682.07	79.00	110.904		
16,500.00	7,147.27	6,805.00	6,507.81	274.40	33.64	29.14	1,076.67	503.83	8,860.75	8,781.69	79.06	112.075		
16,600.00	7,147.46	6,805.00	6,507.81	277.21	33.64	29.14	1,076.67	503.83	8,960.44	8,881.31	79.13	113.244		
16,700.00	7,147.66	6,805.00	6,507.81	280.03	33.64	29.14	1,076.67	503.83	9,060.14	8,980.95	79.19	114.409		
16,800.00	7,147.86	6,805.00	6,507.81	282.84	33.64	29.14	1,076.67	503.83	9,159.84	9,080.58	79.26	115.571		
16,900.00	7,148.05	6,805.00	6,507.81	285.66	33.64	29.14	1,076.67	503.83	9,259.55	9,180.23	79.32	116.730		
17,000.00	7,148.25	6,805.00	6,507.81	288.48	33.64	29.14	1,076.67	503.83	9,359.27	9,279.88	79.39	117.886		
17,100.00	7,148.45	6,805.00	6,507.81	291.29	33.64	29.14	1,076.67	503.83	9,458.99	9,379.53	79.46	119.039		
17,200.00	7,148.64	6,805.00	6,507.81	294.11	33.64	29.14	1,076.67	503.83	9,558.72	9,479.19	79.53	120.189		
17,300.00	7,148.84	6,805.00	6,507.81	296.93	33.64	29.14	1,076.67	503.83	9,658.46	9,578.86	79.60	121.336		
17,400.00	7,149.04	6,805.00	6,507.81	299.75	33.64	29.14	1,076.67	503.83	9,758.20	9,678.52	79.67	122.480		
17,500.00	7,149.23	6,805.00	6,507.81	302.57	33.64	29.14	1,076.67	503.83	9,857.94	9,778.20	79.74	123.620		
17,600.00	7,149.43	6,805.00	6,507.81	305.39	33.64	29.14	1,076.67	503.83	9,957.69	9,877.88	79.82	124.757		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-89.98	-0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-89.98	-0.83	89.99	83.42	6.57	13.698		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-89.98	-0.83	89.99	83.31	6.67	13.483 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	101.61	-89.98	-0.83	90.32	83.43	6.89	13.113		
400.00	399.84	398.22	398.20	3.60	3.59	103.83	-90.95	0.54	92.39	85.20	7.20	12.840		
500.00	499.45	496.41	496.25	3.81	3.78	106.09	-93.84	4.68	97.22	89.63	7.59	12.804		
600.00	598.70	594.44	593.92	4.06	4.01	108.22	-98.65	11.55	104.82	96.75	8.07	12.983		
700.00	697.47	692.22	691.00	4.34	4.28	110.08	-105.36	21.13	115.17	106.54	8.63	13.350		
785.50	781.43	775.55	773.37	4.61	4.53	111.40	-112.57	31.42	126.18	117.02	9.15	13.783		
800.00	795.63	789.65	787.27	4.66	4.57	111.62	-113.93	33.36	128.22	118.97	9.25	13.864		
900.00	893.55	886.79	882.70	5.02	4.90	112.27	-124.33	48.22	143.09	133.17	9.93	14.416		
1,000.00	991.47	983.55	977.08	5.40	5.27	111.68	-136.54	65.65	159.23	148.57	10.65	14.946		
1,100.00	1,089.39	1,081.68	1,072.31	5.80	5.66	110.54	-150.13	85.06	176.24	164.81	11.43	15.421		
1,200.00	1,187.31	1,180.16	1,167.87	6.21	6.08	109.58	-163.79	104.58	193.32	181.08	12.24	15.795		
1,300.00	1,285.22	1,278.65	1,263.42	6.64	6.52	108.77	-177.46	124.09	210.46	197.38	13.08	16.091		
1,400.00	1,383.14	1,377.13	1,358.98	7.08	6.97	108.09	-191.12	143.61	227.62	213.68	13.94	16.327		
1,500.00	1,481.06	1,475.61	1,454.54	7.52	7.43	107.50	-204.79	163.12	244.81	229.99	14.82	16.516		
1,600.00	1,578.98	1,574.09	1,550.09	7.98	7.90	106.99	-218.45	182.64	262.03	246.31	15.72	16.668		
1,700.00	1,676.90	1,672.57	1,645.65	8.44	8.38	106.54	-232.12	202.16	279.26	262.63	16.63	16.792		
1,800.00	1,774.82	1,771.06	1,741.21	8.90	8.87	106.14	-245.79	221.67	296.51	278.96	17.55	16.893		
1,900.00	1,872.74	1,869.54	1,836.76	9.37	9.36	105.79	-259.45	241.19	313.77	295.28	18.48	16.975		
2,000.00	1,970.66	1,968.02	1,932.32	9.84	9.86	105.48	-273.12	260.71	331.04	311.61	19.42	17.043		
2,100.00	2,068.57	2,066.50	2,027.88	10.32	10.36	105.19	-286.78	280.22	348.31	327.94	20.37	17.100		
2,200.00	2,166.49	2,164.98	2,123.43	10.80	10.86	104.93	-300.45	299.74	365.60	344.28	21.32	17.147		
2,300.00	2,264.41	2,263.47	2,218.99	11.28	11.37	104.70	-314.11	319.25	382.89	360.61	22.28	17.186		
2,400.00	2,362.33	2,361.95	2,314.55	11.76	11.88	104.49	-327.78	338.77	400.19	376.95	23.24	17.218		
2,500.00	2,460.25	2,460.43	2,410.10	12.24	12.39	104.29	-341.44	358.29	417.49	393.28	24.21	17.245		
2,600.00	2,558.17	2,558.91	2,505.66	12.73	12.90	104.11	-355.11	377.80	434.80	409.62	25.18	17.268		
2,700.00	2,656.09	2,657.39	2,601.22	13.22	13.42	103.94	-368.77	397.32	452.11	425.96	26.15	17.287		
2,800.00	2,754.01	2,755.88	2,696.77	13.71	13.94	103.79	-382.44	416.84	469.43	442.30	27.13	17.303		
2,900.00	2,851.92	2,854.36	2,792.33	14.20	14.45	103.64	-396.10	436.35	486.74	458.64	28.11	17.317		
3,000.00	2,949.84	2,952.84	2,887.89	14.69	14.97	103.51	-409.77	455.87	504.06	474.97	29.09	17.328		
3,100.00	3,047.76	3,051.32	2,983.44	15.18	15.50	103.39	-423.44	475.38	521.39	491.31	30.07	17.338		
3,200.00	3,145.68	3,149.80	3,079.00	15.67	16.02	103.27	-437.10	494.90	538.71	507.65	31.06	17.346		
3,300.00	3,243.60	3,248.29	3,174.56	16.17	16.54	103.16	-450.77	514.42	556.04	523.99	32.04	17.352		
3,400.00	3,341.52	3,346.77	3,270.11	16.66	17.06	103.06	-464.43	533.93	573.37	540.33	33.03	17.357		
3,500.00	3,439.44	3,445.25	3,365.67	17.16	17.59	102.96	-478.10	553.45	590.70	556.68	34.02	17.362		
3,600.00	3,537.36	3,543.73	3,461.23	17.65	18.12	102.87	-491.76	572.97	608.03	573.02	35.01	17.365		
3,700.00	3,635.27	3,642.21	3,556.78	18.15	18.64	102.78	-505.43	592.48	625.36	589.36	36.01	17.368		
3,800.00	3,733.19	3,740.70	3,652.34	18.65	19.17	102.70	-519.09	612.00	642.70	605.70	37.00	17.370		
3,900.00	3,831.11	3,839.18	3,747.90	19.14	19.70	102.62	-532.76	631.51	660.03	622.04	37.99	17.372		
4,000.00	3,929.03	3,937.66	3,843.45	19.64	20.22	102.55	-546.42	651.03	677.37	638.38	38.99	17.373		
4,100.00	4,026.95	4,036.14	3,939.01	20.14	20.75	102.48	-560.09	670.55	694.71	654.72	39.99	17.374		
4,200.00	4,124.87	4,134.62	4,034.57	20.64	21.28	102.41	-573.76	690.06	712.05	671.07	40.98	17.374		
4,300.00	4,222.79	4,233.11	4,130.12	21.14	21.81	102.35	-587.42	709.58	729.39	687.41	41.98	17.374		
4,400.00	4,320.71	4,331.59	4,226.68	21.64	22.34	102.29	-601.09	729.10	746.73	703.75	42.98	17.374		
4,500.00	4,418.62	4,430.07	4,321.24	22.14	22.87	102.23	-614.75	748.61	764.07	720.09	43.98	17.373		
4,600.00	4,516.54	4,528.55	4,416.79	22.64	23.40	102.18	-628.42	768.13	781.41	736.43	44.98	17.373		
4,700.00	4,614.46	4,627.03	4,512.35	23.14	23.93	102.13	-642.08	787.65	798.76	752.78	45.98	17.372		
4,800.00	4,712.38	4,725.52	4,607.91	23.64	24.46	102.08	-655.75	807.16	816.10	769.12	46.98	17.371		
4,900.00	4,810.30	4,824.00	4,703.46	24.14	24.99	102.03	-669.41	826.68	833.45	785.46	47.98	17.370		
5,000.00	4,908.22	4,922.48	4,799.02	24.64	25.52	101.98	-683.08	846.19	850.79	801.81	48.98	17.369		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,020.96	4,894.58	25.14	26.05	101.94	-696.74	865.71	868.14	818.15	49.99	17.367		
5,200.00	5,104.06	5,119.44	4,990.13	25.64	26.59	101.89	-710.41	885.23	885.48	834.49	50.99	17.366		
5,300.00	5,201.97	5,217.93	5,085.69	26.14	27.12	101.85	-724.08	904.74	902.83	850.83	51.99	17.364		
5,400.00	5,299.89	5,316.41	5,181.25	26.64	27.65	101.81	-737.74	924.26	920.17	867.18	53.00	17.363		
5,500.00	5,397.81	5,414.89	5,276.80	27.15	28.18	101.78	-751.41	943.78	937.52	883.52	54.00	17.361		
5,600.00	5,495.73	5,513.37	5,372.36	27.65	28.71	101.74	-765.07	963.29	954.87	899.86	55.01	17.360		
5,700.00	5,593.65	5,611.85	5,467.92	28.15	29.25	101.70	-778.74	982.81	972.22	916.21	56.01	17.358		
5,800.00	5,691.57	5,710.34	5,563.47	28.65	29.78	101.67	-792.40	1,002.32	989.56	932.55	57.01	17.356		
5,900.00	5,789.49	5,808.82	5,659.03	29.15	30.31	101.64	-806.07	1,021.84	1,006.91	948.89	58.02	17.355		
6,000.00	5,887.41	5,907.30	5,754.59	29.66	30.85	101.60	-819.73	1,041.36	1,024.26	965.24	59.03	17.353		
6,100.00	5,985.32	6,005.78	5,850.15	30.16	31.38	101.57	-833.40	1,060.87	1,041.61	981.58	60.03	17.351		
6,200.00	6,083.24	6,104.27	5,945.70	30.66	31.91	101.54	-847.06	1,080.39	1,058.96	997.92	61.04	17.349		
6,300.00	6,181.16	6,202.75	6,041.26	31.16	32.45	101.52	-860.73	1,099.91	1,076.31	1,014.27	62.04	17.348		
6,400.00	6,279.08	6,301.23	6,136.82	31.67	32.98	101.49	-874.40	1,119.42	1,093.66	1,030.61	63.05	17.346		
6,490.03	6,367.24	6,389.90	6,222.85	32.12	33.46	101.46	-886.70	1,136.99	1,109.28	1,045.32	63.96	17.344		
6,500.00	6,377.01	6,399.71	6,232.37	32.17	33.51	102.54	-888.06	1,138.94	1,111.01	1,046.95	64.06	17.344		
6,550.00	6,426.43	6,448.85	6,280.05	32.40	33.78	111.59	-894.88	1,148.68	1,119.67	1,055.14	64.53	17.350		
6,600.00	6,476.27	6,502.39	6,327.36	32.61	34.07	146.69	-901.64	1,158.34	1,128.30	1,063.30	65.00	17.359		
6,650.00	6,526.21	6,545.68	6,374.01	32.80	34.30	-126.82	-908.32	1,167.86	1,136.92	1,071.54	65.38	17.390		
6,700.00	6,575.96	6,592.77	6,419.70	32.98	34.56	-105.68	-914.85	1,177.20	1,145.57	1,079.81	65.76	17.421		
6,750.00	6,625.19	6,638.60	6,464.16	33.16	34.81	-99.44	-921.21	1,186.28	1,154.34	1,088.22	66.12	17.458		
6,800.00	6,673.62	6,683.01	6,507.36	33.35	35.04	-96.64	-927.39	1,194.49	1,163.35	1,096.88	66.47	17.502		
6,850.00	6,720.94	6,728.27	6,551.83	33.55	35.26	-95.10	-933.77	1,199.93	1,172.62	1,105.80	66.82	17.549		
6,900.00	6,766.86	6,775.00	6,598.03	33.76	35.46	-94.17	-940.41	1,202.18	1,182.14	1,114.95	67.19	17.595		
6,950.00	6,811.10	6,823.43	6,645.92	33.98	35.64	-93.58	-947.31	1,200.90	1,191.83	1,124.26	67.57	17.639		
7,000.00	6,853.38	6,873.76	6,695.46	34.23	35.80	-93.22	-954.47	1,195.68	1,201.65	1,133.67	67.98	17.676		
7,050.00	6,893.45	6,926.27	6,746.53	34.50	35.96	-93.01	-961.87	1,186.03	1,211.53	1,143.10	68.43	17.705		
7,100.00	6,931.05	6,981.23	6,798.94	34.79	36.12	-92.92	-969.48	1,171.42	1,221.38	1,152.46	68.92	17.721		
7,150.00	6,965.96	7,038.96	6,852.43	35.12	36.30	-92.92	-977.28	1,151.21	1,231.13	1,161.67	69.46	17.725		
7,200.00	6,997.96	7,099.77	6,906.57	35.47	36.50	-93.01	-985.20	1,124.73	1,240.66	1,170.61	70.05	17.712		
7,250.00	7,026.85	7,164.00	6,960.76	35.86	36.73	-93.16	-993.16	1,091.22	1,249.87	1,179.17	70.70	17.679		
7,300.00	7,052.45	7,231.95	7,014.13	36.29	37.01	-93.36	-1,001.05	1,049.97	1,258.64	1,187.21	71.43	17.621		
7,350.00	7,074.61	7,303.86	7,065.53	36.76	37.34	-93.60	-1,008.68	1,000.31	1,266.81	1,194.56	72.25	17.534		
7,400.00	7,093.19	7,379.88	7,113.47	37.27	37.76	-93.86	-1,015.87	941.81	1,274.23	1,201.03	73.20	17.407		
7,450.00	7,108.07	7,459.99	7,156.13	37.81	38.28	-94.12	-1,022.33	874.38	1,280.76	1,206.45	74.31	17.235		
7,500.00	7,119.17	7,543.93	7,191.48	38.39	38.93	-94.35	-1,027.78	798.51	1,286.24	1,210.60	75.64	17.004		
7,550.00	7,126.41	7,631.16	7,217.42	38.99	39.72	-94.52	-1,031.91	715.40	1,290.52	1,213.33	77.19	16.719		
7,600.00	7,129.75	7,720.86	7,232.11	39.62	40.65	-94.62	-1,034.45	627.02	1,293.48	1,214.53	78.95	16.384		
7,616.41	7,130.00	7,750.66	7,234.24	39.83	40.98	-94.63	-1,034.90	597.31	1,294.15	1,214.59	79.56	16.267		
7,700.00	7,130.16	7,847.73	7,235.15	40.97	42.15	-94.65	-1,035.49	500.25	1,296.38	1,214.37	82.01	15.809		
7,800.00	7,130.35	7,947.70	7,235.36	42.46	43.50	-94.64	-1,036.00	400.29	1,298.95	1,214.02	84.93	15.295		
7,900.00	7,130.55	8,047.66	7,235.57	44.09	44.99	-94.63	-1,036.51	300.32	1,301.52	1,213.39	88.13	14.769		
8,000.00	7,130.74	8,147.63	7,235.79	45.84	46.63	-94.62	-1,037.02	200.36	1,304.09	1,212.52	91.57	14.242		
8,100.00	7,130.94	8,247.60	7,236.00	47.70	48.39	-94.62	-1,037.53	100.39	1,306.66	1,211.43	95.23	13.722		
8,200.00	7,131.13	8,347.56	7,236.21	49.65	50.25	-94.61	-1,038.04	0.43	1,309.23	1,210.15	99.08	13.214		
8,300.00	7,131.32	8,447.53	7,236.42	51.70	52.21	-94.60	-1,038.54	-99.54	1,311.80	1,208.69	103.11	12.723		
8,400.00	7,131.52	8,547.50	7,236.64	53.81	54.25	-94.59	-1,039.05	-199.51	1,314.37	1,207.08	107.29	12.251		
8,500.00	7,131.71	8,647.46	7,236.85	55.99	56.36	-94.58	-1,039.56	-299.47	1,316.94	1,205.34	111.60	11.801		
8,600.00	7,131.90	8,747.43	7,237.06	58.24	58.54	-94.58	-1,040.07	-399.44	1,319.51	1,203.47	116.04	11.372		
8,700.00	7,132.10	8,847.40	7,237.28	60.53	60.78	-94.57	-1,040.58	-499.40	1,322.07	1,201.50	120.58	10.965		
8,800.00	7,132.29	8,947.36	7,237.49	62.87	63.07	-94.56	-1,041.08	-599.37	1,324.64	1,199.43	125.22	10.579		
8,900.00	7,132.49	9,047.33	7,237.70	65.25	65.41	-94.55	-1,041.59	-699.33	1,327.21	1,197.28	129.94	10.214		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,147.30	7,237.91	67.68	67.79	-94.54	-1,042.10	-799.30	1,329.78	1,195.04	134.74	9.869		
9,100.00	7,132.87	9,247.26	7,238.13	70.13	70.20	-94.54	-1,042.61	-899.26	1,332.35	1,192.75	139.61	9.544		
9,200.00	7,133.07	9,347.23	7,238.34	72.61	72.65	-94.53	-1,043.12	-999.23	1,334.92	1,190.39	144.54	9.236		
9,300.00	7,133.26	9,447.20	7,238.55	75.13	75.12	-94.52	-1,043.62	-1,099.19	1,337.49	1,187.97	149.52	8.945		
9,400.00	7,133.46	9,547.16	7,238.77	77.66	77.63	-94.51	-1,044.13	-1,199.16	1,340.06	1,185.50	154.56	8.670		
9,500.00	7,133.65	9,647.13	7,238.98	80.22	80.15	-94.50	-1,044.64	-1,299.12	1,342.63	1,182.99	159.64	8.410		
9,600.00	7,133.84	9,747.10	7,239.19	82.80	82.70	-94.50	-1,045.15	-1,399.09	1,345.20	1,180.44	164.76	8.164		
9,700.00	7,134.04	9,847.06	7,239.41	85.40	85.27	-94.49	-1,045.66	-1,499.05	1,347.77	1,177.85	169.92	7.932		
9,800.00	7,134.23	9,947.03	7,239.62	88.01	87.86	-94.48	-1,046.16	-1,599.02	1,350.34	1,175.22	175.12	7.711		
9,900.00	7,134.43	10,047.00	7,239.83	90.64	90.46	-94.47	-1,046.67	-1,698.98	1,352.91	1,172.57	180.35	7.502		
10,000.00	7,134.62	10,146.96	7,240.04	93.28	93.08	-94.47	-1,047.18	-1,798.95	1,355.48	1,169.88	185.60	7.303		
10,100.00	7,134.81	10,246.93	7,240.26	95.94	95.71	-94.46	-1,047.69	-1,898.92	1,358.05	1,167.17	190.88	7.115		
10,200.00	7,135.01	10,346.90	7,240.47	98.61	98.36	-94.45	-1,048.20	-1,998.88	1,360.62	1,164.44	196.19	6.935		
10,300.00	7,135.20	10,446.87	7,240.68	101.28	101.01	-94.44	-1,048.70	-2,098.85	1,363.19	1,161.68	201.51	6.765		
10,400.00	7,135.39	10,546.83	7,240.90	103.97	103.68	-94.43	-1,049.21	-2,198.81	1,365.76	1,158.90	206.86	6.602		
10,500.00	7,135.59	10,646.80	7,241.11	106.67	106.36	-94.43	-1,049.72	-2,298.78	1,368.33	1,156.11	212.23	6.448		
10,600.00	7,135.78	10,746.77	7,241.32	109.38	109.04	-94.42	-1,050.23	-2,398.74	1,370.91	1,153.29	217.61	6.300		
10,700.00	7,135.98	10,846.73	7,241.53	112.09	111.74	-94.41	-1,050.74	-2,498.71	1,373.48	1,150.46	223.01	6.159		
10,800.00	7,136.17	10,946.70	7,241.75	114.81	114.44	-94.40	-1,051.25	-2,598.67	1,376.05	1,147.62	228.43	6.024		
10,900.00	7,136.36	11,046.67	7,241.96	117.54	117.15	-94.40	-1,051.75	-2,698.64	1,378.62	1,144.76	233.86	5.895		
11,000.00	7,136.56	11,146.63	7,242.17	120.28	119.87	-94.39	-1,052.26	-2,798.60	1,381.19	1,141.89	239.30	5.772		
11,100.00	7,136.75	11,246.60	7,242.39	123.02	122.59	-94.38	-1,052.77	-2,898.57	1,383.76	1,139.00	244.76	5.654		
11,200.00	7,136.95	11,346.57	7,242.60	125.76	125.32	-94.38	-1,053.28	-2,998.53	1,386.33	1,136.10	250.22	5.540		
11,300.00	7,137.14	11,446.53	7,242.81	128.52	128.06	-94.37	-1,053.79	-3,098.50	1,388.90	1,133.20	255.70	5.432		
11,400.00	7,137.33	11,546.50	7,243.03	131.27	130.80	-94.36	-1,054.29	-3,198.46	1,391.47	1,130.28	261.19	5.327		
11,500.00	7,137.53	11,646.47	7,243.24	134.03	133.54	-94.35	-1,054.80	-3,298.43	1,394.04	1,127.35	266.69	5.227		
11,600.00	7,137.72	11,746.43	7,243.45	136.80	136.30	-94.35	-1,055.31	-3,398.39	1,396.61	1,124.42	272.19	5.131		
11,700.00	7,137.92	11,846.40	7,243.66	139.57	139.05	-94.34	-1,055.82	-3,498.36	1,399.18	1,121.47	277.71	5.038		
11,800.00	7,138.11	11,946.37	7,243.88	142.34	141.81	-94.33	-1,056.33	-3,598.33	1,401.75	1,118.52	283.23	4.949		
11,900.00	7,138.30	12,046.33	7,244.09	145.12	144.57	-94.32	-1,056.83	-3,698.29	1,404.32	1,115.56	288.76	4.863		
12,000.00	7,138.50	12,146.30	7,244.30	147.90	147.34	-94.32	-1,057.34	-3,798.26	1,406.89	1,112.60	294.30	4.781		
12,100.00	7,138.69	12,246.27	7,244.52	150.68	150.11	-94.31	-1,057.85	-3,898.22	1,409.46	1,109.62	299.84	4.701		
12,200.00	7,138.88	12,346.23	7,244.73	153.47	152.88	-94.30	-1,058.36	-3,998.19	1,412.03	1,106.64	305.39	4.624		
12,300.00	7,139.08	12,446.20	7,244.94	156.26	155.65	-94.30	-1,058.87	-4,098.15	1,414.60	1,103.66	310.94	4.549		
12,400.00	7,139.27	12,546.17	7,245.15	159.05	158.43	-94.29	-1,059.37	-4,198.12	1,417.17	1,100.67	316.51	4.478		
12,500.00	7,139.47	12,646.14	7,245.37	161.85	161.22	-94.28	-1,059.88	-4,298.08	1,419.74	1,097.67	322.07	4.408		
12,600.00	7,139.66	12,746.10	7,245.58	164.64	164.00	-94.28	-1,060.39	-4,398.05	1,422.31	1,094.67	327.64	4.341		
12,700.00	7,139.85	12,846.07	7,245.79	167.44	166.79	-94.27	-1,060.90	-4,498.01	1,424.89	1,091.66	333.22	4.276		
12,800.00	7,140.05	12,946.04	7,246.01	170.24	169.58	-94.26	-1,061.41	-4,597.98	1,427.46	1,088.65	338.80	4.213		
12,900.00	7,140.24	13,046.00	7,246.22	173.05	172.37	-94.25	-1,061.92	-4,697.94	1,430.03	1,085.64	344.39	4.152		
13,000.00	7,140.44	13,145.97	7,246.43	175.85	175.16	-94.25	-1,062.42	-4,797.91	1,432.60	1,082.62	349.98	4.093		
13,100.00	7,140.63	13,245.94	7,246.65	178.66	177.96	-94.24	-1,062.93	-4,897.87	1,435.17	1,079.60	355.57	4.036		
13,200.00	7,140.82	13,345.90	7,246.86	181.47	180.75	-94.23	-1,063.44	-4,997.84	1,437.74	1,076.57	361.17	3.981		
13,300.00	7,141.02	13,445.87	7,247.07	184.28	183.55	-94.23	-1,063.95	-5,097.80	1,440.31	1,073.54	366.77	3.927		
13,400.00	7,141.21	13,545.84	7,247.28	187.10	186.35	-94.22	-1,064.46	-5,197.77	1,442.88	1,070.51	372.38	3.875		
13,500.00	7,141.41	13,645.80	7,247.50	189.91	189.16	-94.21	-1,064.96	-5,297.74	1,445.45	1,067.47	377.98	3.824		
13,600.00	7,141.60	13,745.77	7,247.71	192.73	191.96	-94.21	-1,065.47	-5,397.70	1,448.02	1,064.43	383.59	3.775		
13,700.00	7,141.79	13,845.74	7,247.92	195.54	194.77	-94.20	-1,065.98	-5,497.67	1,450.59	1,061.38	389.21	3.727		
13,800.00	7,141.99	13,945.70	7,248.14	198.36	197.57	-94.19	-1,066.49	-5,597.63	1,453.16	1,058.34	394.83	3.681		
13,900.00	7,142.18	14,045.67	7,248.35	201.18	200.38	-94.19	-1,067.00	-5,697.60	1,455.74	1,055.29	400.45	3.635		
14,000.00	7,142.37	14,145.64	7,248.56	204.01	203.19	-94.18	-1,067.50	-5,797.56	1,458.31	1,052.24	406.07	3.591		
14,100.00	7,142.57	14,245.60	7,248.77	206.83	206.00	-94.17	-1,068.01	-5,897.53	1,460.88	1,049.18	411.69	3.548		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,345.57	7,248.99	209.65	208.82	-94.17	-1,068.52	-5,997.49	1,463.45	1,046.13	417.32	3.507		
14,300.00	7,142.96	14,445.54	7,249.20	212.48	211.63	-94.16	-1,069.03	-6,097.46	1,466.02	1,043.07	422.95	3.466		
14,400.00	7,143.15	14,545.50	7,249.41	215.30	214.45	-94.15	-1,069.54	-6,197.42	1,468.59	1,040.01	428.58	3.427		
14,500.00	7,143.34	14,645.47	7,249.63	218.13	217.26	-94.15	-1,070.04	-6,297.39	1,471.16	1,036.94	434.22	3.388		
14,600.00	7,143.54	14,745.44	7,249.84	220.96	220.08	-94.14	-1,070.55	-6,397.35	1,473.73	1,033.88	439.85	3.351		
14,700.00	7,143.73	14,845.40	7,250.05	223.79	222.90	-94.13	-1,071.06	-6,497.32	1,476.30	1,030.81	445.49	3.314		
14,800.00	7,143.93	14,945.37	7,250.26	226.62	225.72	-94.13	-1,071.57	-6,597.28	1,478.87	1,027.74	451.13	3.278		
14,838.32	7,144.00	14,983.68	7,250.35	227.70	226.80	-94.13	-1,071.76	-6,635.59	1,479.86	1,026.56	453.30	3.265		
14,900.00	7,144.12	15,045.35	7,250.48	229.45	228.54	-94.12	-1,072.08	-6,697.26	1,480.78	1,024.01	456.77	3.242		
15,000.00	7,144.32	15,145.34	7,250.69	232.26	231.36	-94.12	-1,072.59	-6,797.25	1,479.47	1,017.07	462.40	3.200		
15,027.81	7,144.37	15,173.13	7,250.75	233.04	232.14	-94.12	-1,072.73	-6,825.04	1,478.48	1,014.52	463.96	3.187		
15,100.00	7,144.51	15,245.26	7,250.90	235.07	234.18	-94.13	-1,073.09	-6,897.17	1,475.58	1,007.57	468.01	3.153		
15,200.00	7,144.71	15,345.18	7,251.12	237.87	237.00	-94.15	-1,073.60	-6,997.09	1,471.55	997.93	473.62	3.107		
15,300.00	7,144.91	15,445.10	7,251.33	240.68	239.82	-94.16	-1,074.11	-7,097.00	1,467.53	988.29	479.23	3.062		
15,400.00	7,145.10	15,545.02	7,251.54	243.48	242.65	-94.17	-1,074.62	-7,196.92	1,463.50	978.65	484.85	3.018		
15,500.00	7,145.30	15,644.93	7,251.76	246.29	245.47	-94.18	-1,075.12	-7,296.84	1,459.48	969.02	490.46	2.976		
15,600.00	7,145.50	15,744.85	7,251.97	249.10	248.29	-94.19	-1,075.63	-7,396.75	1,455.45	959.37	496.08	2.934		
15,700.00	7,145.69	15,844.77	7,252.18	251.91	251.12	-94.21	-1,076.14	-7,496.67	1,451.43	949.73	501.70	2.893		
15,800.00	7,145.89	15,944.69	7,252.39	254.71	253.95	-94.22	-1,076.65	-7,596.59	1,447.40	940.09	507.31	2.853		
15,900.00	7,146.09	16,044.61	7,252.61	257.52	256.77	-94.23	-1,077.16	-7,696.50	1,443.38	930.44	512.93	2.814		
16,000.00	7,146.28	16,144.53	7,252.82	260.34	259.60	-94.24	-1,077.66	-7,796.42	1,439.35	920.80	518.56	2.776		
16,100.00	7,146.48	16,244.45	7,253.03	263.15	262.43	-94.26	-1,078.17	-7,896.34	1,435.33	911.15	524.18	2.738		
16,200.00	7,146.68	16,344.36	7,253.24	265.96	265.26	-94.27	-1,078.68	-7,996.26	1,431.31	901.51	529.80	2.702		
16,300.00	7,146.87	16,444.28	7,253.46	268.77	268.09	-94.28	-1,079.19	-8,096.17	1,427.28	891.86	535.42	2.666		
16,400.00	7,147.07	16,544.20	7,253.67	271.58	270.92	-94.29	-1,079.69	-8,196.09	1,423.26	882.21	541.05	2.631		
16,500.00	7,147.27	16,644.12	7,253.88	274.40	273.75	-94.31	-1,080.20	-8,296.01	1,419.23	872.56	546.67	2.596		
16,600.00	7,147.46	16,744.04	7,254.10	277.21	276.58	-94.32	-1,080.71	-8,395.92	1,415.21	862.91	552.30	2.562		
16,700.00	7,147.66	16,843.96	7,254.31	280.03	279.41	-94.33	-1,081.22	-8,495.84	1,411.19	853.26	557.93	2.529		
16,800.00	7,147.86	16,943.87	7,254.52	282.84	282.24	-94.35	-1,081.73	-8,595.76	1,407.16	843.61	563.55	2.497		
16,900.00	7,148.05	17,043.79	7,254.73	285.66	285.07	-94.36	-1,082.23	-8,695.67	1,403.14	833.96	569.18	2.465		
17,000.00	7,148.25	17,143.71	7,254.95	288.48	287.90	-94.37	-1,082.74	-8,795.59	1,399.12	824.30	574.81	2.434		
17,100.00	7,148.45	17,243.63	7,255.16	291.29	290.74	-94.39	-1,083.25	-8,895.51	1,395.09	814.65	580.44	2.404		
17,200.00	7,148.64	17,343.55	7,255.37	294.11	293.57	-94.40	-1,083.76	-8,995.42	1,391.07	805.00	586.07	2.374		
17,300.00	7,148.84	17,443.47	7,255.59	296.93	296.41	-94.41	-1,084.27	-9,095.34	1,387.04	795.34	591.70	2.344		
17,400.00	7,149.04	17,543.39	7,255.80	299.75	299.24	-94.43	-1,084.77	-9,195.26	1,383.02	785.69	597.33	2.315		
17,500.00	7,149.23	17,643.30	7,256.01	302.57	302.08	-94.44	-1,085.28	-9,295.18	1,379.00	776.03	602.97	2.287		
17,600.00	7,149.43	17,743.22	7,256.22	305.39	304.91	-94.45	-1,085.79	-9,395.09	1,374.98	766.38	608.60	2.259		
17,700.00	7,149.63	17,843.14	7,256.44	308.21	307.75	-94.47	-1,086.30	-9,495.01	1,370.95	756.72	614.23	2.232		
17,800.00	7,149.82	17,943.06	7,256.65	311.03	310.58	-94.48	-1,086.80	-9,594.93	1,366.93	747.06	619.86	2.205		
17,900.00	7,150.02	18,042.98	7,256.86	313.85	313.42	-94.50	-1,087.31	-9,694.84	1,362.91	737.41	625.50	2.179		
18,000.00	7,150.22	18,142.90	7,257.08	316.67	316.26	-94.51	-1,087.82	-9,794.76	1,358.88	727.75	631.13	2.153		
18,100.00	7,150.41	18,242.82	7,257.29	319.49	319.09	-94.52	-1,088.33	-9,894.68	1,354.86	718.09	636.77	2.128		
18,200.00	7,150.61	18,342.73	7,257.50	322.32	321.93	-94.54	-1,088.84	-9,994.59	1,350.84	708.43	642.40	2.103		
18,300.00	7,150.81	18,442.65	7,257.71	325.14	324.77	-94.55	-1,089.34	-10,094.51	1,346.82	698.78	648.04	2.078		
18,400.00	7,151.00	18,542.57	7,257.93	327.96	327.61	-94.57	-1,089.85	-10,194.43	1,342.79	689.12	653.67	2.054		
18,500.00	7,151.20	18,642.49	7,258.14	330.78	330.44	-94.58	-1,090.36	-10,294.35	1,338.77	679.46	659.31	2.031		
18,600.00	7,151.40	18,742.41	7,258.35	333.61	333.28	-94.60	-1,090.87	-10,394.26	1,334.75	669.80	664.95	2.007		
18,700.00	7,151.59	18,842.33	7,258.57	336.43	336.12	-94.61	-1,091.38	-10,494.18	1,330.73	660.14	670.58	1.984		
18,800.00	7,151.79	18,942.24	7,258.78	339.26	338.96	-94.62	-1,091.88	-10,594.10	1,326.70	650.48	676.22	1.962		
18,906.26	7,152.00	19,042.16	7,259.00	342.08	341.78	-94.64	-1,092.39	-10,694.02	1,322.68	640.82	681.85	1.938 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.54	-104.92	-0.83	104.92					
100.00	100.00	100.00	100.00	3.28	3.28	-179.54	-104.92	-0.83	104.92	98.35	6.57	15.972		
200.00	200.00	200.00	200.00	3.34	3.34	-179.54	-104.92	-0.83	104.92	98.25	6.67	15.721 CC, ES		
300.00	299.98	297.56	297.54	3.44	3.44	100.67	-106.05	0.38	106.39	99.51	6.89	15.452		
400.00	399.84	394.99	394.84	3.60	3.59	101.27	-109.44	4.02	110.81	103.61	7.20	15.391		
500.00	499.45	492.14	491.64	3.81	3.78	102.17	-115.07	10.05	118.18	110.57	7.61	15.533		
600.00	598.70	588.90	587.70	4.06	4.01	103.24	-122.89	18.44	128.53	120.43	8.10	15.869		
700.00	697.47	685.12	682.81	4.34	4.28	104.36	-132.87	29.13	141.85	133.19	8.66	16.378		
785.50	781.43	766.89	763.19	4.61	4.54	105.28	-143.05	40.05	155.60	146.41	9.19	16.927		
800.00	795.63	780.70	776.73	4.66	4.58	105.47	-144.92	42.06	158.14	148.85	9.29	17.028		
900.00	893.55	875.67	869.42	5.02	4.92	106.13	-159.01	57.17	176.77	166.80	9.96	17.739		
1,000.00	991.47	969.94	960.70	5.40	5.30	105.91	-175.06	74.38	197.29	186.61	10.69	18.458		
1,100.00	1,089.39	1,066.53	1,053.65	5.80	5.71	105.23	-193.00	93.62	219.19	207.73	11.46	19.132		
1,200.00	1,187.31	1,164.06	1,147.46	6.21	6.15	104.65	-211.18	113.11	241.16	228.90	12.26	19.666		
1,300.00	1,285.22	1,261.59	1,241.28	6.64	6.61	104.17	-229.36	132.61	263.16	250.06	13.10	20.091		
1,400.00	1,383.14	1,359.12	1,335.10	7.08	7.08	103.76	-247.53	152.10	285.17	271.21	13.96	20.432		
1,500.00	1,481.06	1,456.65	1,428.91	7.52	7.57	103.41	-265.71	171.59	307.19	292.35	14.84	20.706		
1,600.00	1,578.98	1,554.18	1,522.73	7.98	8.06	103.11	-283.89	191.09	329.22	313.49	15.73	20.928		
1,700.00	1,676.90	1,651.71	1,616.55	8.44	8.56	102.85	-302.07	210.58	351.26	334.62	16.64	21.109		
1,800.00	1,774.82	1,749.24	1,710.36	8.90	9.07	102.61	-320.25	230.07	373.30	355.74	17.56	21.258		
1,900.00	1,872.74	1,846.77	1,804.18	9.37	9.59	102.41	-338.42	249.57	395.35	376.86	18.49	21.381		
2,000.00	1,970.66	1,944.30	1,898.00	9.84	10.11	102.22	-356.60	269.06	417.41	397.98	19.43	21.482		
2,100.00	2,068.57	2,041.83	1,991.81	10.32	10.63	102.05	-374.78	288.55	439.47	419.09	20.38	21.567		
2,200.00	2,166.49	2,139.36	2,085.63	10.80	11.16	101.90	-392.96	308.05	461.53	440.20	21.33	21.638		
2,300.00	2,264.41	2,236.88	2,179.44	11.28	11.69	101.77	-411.13	327.54	483.59	461.31	22.29	21.698		
2,400.00	2,362.33	2,334.41	2,273.26	11.76	12.22	101.64	-429.31	347.03	505.66	482.41	23.25	21.748		
2,500.00	2,460.25	2,431.94	2,367.08	12.24	12.76	101.53	-447.49	366.53	527.73	503.51	24.22	21.791		
2,600.00	2,558.17	2,529.47	2,460.89	12.73	13.30	101.42	-465.67	386.02	549.80	524.61	25.19	21.827		
2,700.00	2,656.09	2,627.00	2,554.71	13.22	13.84	101.32	-483.84	405.51	571.87	545.71	26.16	21.857		
2,800.00	2,754.01	2,724.53	2,648.53	13.71	14.38	101.23	-502.02	425.01	593.95	566.80	27.14	21.883		
2,900.00	2,851.92	2,822.06	2,742.34	14.20	14.92	101.15	-520.20	444.50	616.02	587.90	28.12	21.905		
3,000.00	2,949.84	2,919.59	2,836.16	14.69	15.46	101.07	-538.38	463.99	638.10	608.99	29.10	21.924		
3,100.00	3,047.76	3,017.12	2,929.98	15.18	16.01	101.00	-556.55	483.48	660.17	630.09	30.09	21.940		
3,200.00	3,145.68	3,114.65	3,023.79	15.67	16.55	100.93	-574.73	502.98	682.25	651.18	31.08	21.954		
3,300.00	3,243.60	3,212.18	3,117.61	16.17	17.10	100.87	-592.91	522.47	704.33	672.27	32.07	21.966		
3,400.00	3,341.52	3,309.71	3,211.43	16.66	17.65	100.81	-611.09	541.96	726.41	693.36	33.06	21.976		
3,500.00	3,439.44	3,407.24	3,305.24	17.16	18.19	100.75	-629.27	561.46	748.49	714.45	34.05	21.984		
3,600.00	3,537.36	3,504.76	3,399.06	17.65	18.74	100.70	-647.44	580.95	770.57	735.53	35.04	21.991		
3,700.00	3,635.27	3,602.29	3,492.88	18.15	19.29	100.65	-665.62	600.44	792.66	756.62	36.04	21.997		
3,800.00	3,733.19	3,700.18	3,586.69	18.65	19.85	100.60	-683.80	619.94	814.74	777.71	37.03	22.001		
3,900.00	3,831.11	3,802.65	3,680.51	19.14	20.42	100.56	-701.98	639.43	836.82	798.77	38.06	21.990		
4,000.00	3,929.03	3,894.88	3,774.33	19.64	20.94	100.51	-720.15	658.92	858.90	819.88	39.03	22.009		
4,100.00	4,026.95	4,007.59	3,868.14	20.14	21.58	100.47	-738.33	678.42	880.99	840.88	40.10	21.968		
4,200.00	4,124.87	4,089.94	3,961.96	20.64	22.05	100.44	-756.51	697.91	903.07	862.05	41.02	22.014		
4,300.00	4,222.79	4,187.47	4,055.78	21.14	22.60	100.40	-774.69	717.40	925.16	883.13	42.02	22.015		
4,400.00	4,320.71	4,285.00	4,149.59	21.64	23.15	100.36	-792.86	736.90	947.24	904.22	43.02	22.016		
4,500.00	4,418.62	4,382.53	4,243.41	22.14	23.71	100.33	-811.04	756.39	969.33	925.30	44.03	22.017		
4,600.00	4,516.54	4,480.06	4,337.22	22.64	24.26	100.30	-829.22	775.88	991.41	946.38	45.03	22.018		
4,700.00	4,614.46	4,577.59	4,431.04	23.14	24.81	100.27	-847.40	795.38	1,013.50	967.47	46.03	22.018		
4,800.00	4,712.38	4,675.12	4,524.86	23.64	25.37	100.24	-865.58	814.87	1,035.58	988.55	47.03	22.017		
4,900.00	4,810.30	4,772.64	4,618.67	24.14	25.92	100.21	-883.75	834.36	1,057.67	1,009.63	48.04	22.017		
5,000.00	4,908.22	4,870.17	4,712.49	24.64	26.48	100.18	-901.93	853.85	1,079.76	1,030.71	49.04	22.016		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,967.70	4,806.31	25.14	27.03	100.16	-920.11	873.35	1,101.84	1,051.79	50.05	22.016		
5,200.00	5,104.06	5,065.23	4,900.12	25.64	27.59	100.13	-938.29	892.84	1,123.93	1,072.88	51.05	22.015		
5,300.00	5,201.97	5,162.76	4,993.94	26.14	28.14	100.11	-956.46	912.33	1,146.02	1,093.96	52.06	22.013		
5,400.00	5,299.89	5,260.29	5,087.76	26.64	28.70	100.09	-974.64	931.83	1,168.10	1,115.04	53.07	22.012		
5,500.00	5,397.81	5,357.82	5,181.57	27.15	29.25	100.07	-992.82	951.32	1,190.19	1,136.12	54.07	22.011		
5,600.00	5,495.73	5,455.35	5,275.39	27.65	29.81	100.04	-1,011.00	970.81	1,212.28	1,157.20	55.08	22.010		
5,700.00	5,593.65	5,552.88	5,369.21	28.15	30.36	100.02	-1,029.17	990.31	1,234.37	1,178.28	56.09	22.008		
5,800.00	5,691.57	5,650.41	5,463.02	28.65	30.92	100.00	-1,047.35	1,009.80	1,256.45	1,199.36	57.09	22.006		
5,900.00	5,789.49	5,747.94	5,556.84	29.15	31.47	99.98	-1,065.53	1,029.29	1,278.54	1,220.44	58.10	22.005		
6,000.00	5,887.41	5,845.47	5,650.66	29.66	32.03	99.97	-1,083.71	1,048.79	1,300.63	1,241.52	59.11	22.003		
6,100.00	5,985.32	5,943.00	5,744.47	30.16	32.59	99.95	-1,101.89	1,068.28	1,322.72	1,262.60	60.12	22.001		
6,200.00	6,083.24	6,040.52	5,838.29	30.66	33.14	99.93	-1,120.06	1,087.77	1,344.81	1,283.68	61.13	22.000		
6,300.00	6,181.16	6,138.05	5,932.11	31.16	33.70	99.91	-1,138.24	1,107.27	1,366.90	1,304.76	62.14	21.998		
6,400.00	6,279.08	6,235.58	6,025.92	31.67	34.26	99.90	-1,156.42	1,126.76	1,388.98	1,325.84	63.15	21.996		
6,490.03	6,367.24	6,323.39	6,110.39	32.12	34.76	99.88	-1,172.78	1,144.31	1,408.87	1,344.82	64.06	21.994		
6,500.00	6,377.01	6,333.11	6,119.74	32.17	34.81	101.01	-1,174.60	1,146.25	1,411.08	1,346.92	64.16	21.994		
6,550.00	6,426.43	6,381.76	6,166.54	32.40	35.09	110.33	-1,183.66	1,155.98	1,422.17	1,357.54	64.63	22.003		
6,600.00	6,476.27	6,430.02	6,212.95	32.61	35.37	145.75	-1,192.66	1,165.62	1,433.32	1,368.25	65.07	22.026		
6,650.00	6,526.21	6,477.58	6,258.70	32.80	35.64	-127.41	-1,201.52	1,175.13	1,444.50	1,379.02	65.48	22.061		
6,700.00	6,575.96	6,524.15	6,303.50	32.98	35.90	-105.88	-1,210.20	1,184.43	1,455.73	1,389.87	65.86	22.105		
6,750.00	6,625.19	6,569.62	6,347.41	33.16	36.15	-99.19	-1,218.70	1,192.61	1,467.04	1,400.82	66.21	22.156		
6,800.00	6,673.62	6,615.97	6,392.63	33.35	36.38	-95.87	-1,227.44	1,197.74	1,478.42	1,411.84	66.57	22.207		
6,850.00	6,720.94	6,663.59	6,439.35	33.55	36.59	-93.83	-1,236.44	1,199.51	1,489.81	1,422.87	66.94	22.255		
6,900.00	6,766.86	6,712.63	6,487.45	33.76	36.78	-92.41	-1,245.70	1,197.61	1,501.15	1,433.82	67.32	22.297		
6,950.00	6,811.10	6,763.25	6,536.82	33.98	36.94	-91.34	-1,255.16	1,191.70	1,512.36	1,444.63	67.73	22.329		
7,000.00	6,853.38	6,815.64	6,587.25	34.23	37.09	-90.51	-1,264.81	1,181.40	1,523.38	1,455.21	68.17	22.347		
7,050.00	6,893.45	6,869.97	6,638.50	34.50	37.24	-89.85	-1,274.59	1,166.29	1,534.13	1,465.48	68.65	22.346		
7,100.00	6,931.05	6,926.45	6,690.24	34.79	37.40	-89.32	-1,284.43	1,145.94	1,544.53	1,475.34	69.19	22.323		
7,150.00	6,965.96	6,985.26	6,742.01	35.12	37.57	-88.90	-1,294.25	1,119.87	1,554.48	1,484.70	69.78	22.276		
7,200.00	6,997.96	7,046.59	6,793.24	35.47	37.76	-88.57	-1,303.92	1,087.63	1,563.92	1,493.47	70.44	22.201		
7,250.00	7,026.85	7,110.56	6,843.20	35.86	37.98	-88.31	-1,313.31	1,048.82	1,572.73	1,501.54	71.19	22.093		
7,300.00	7,052.45	7,177.30	6,890.96	36.29	38.24	-88.12	-1,322.23	1,003.12	1,580.82	1,508.79	72.03	21.947		
7,350.00	7,074.61	7,246.81	6,935.43	36.76	38.56	-87.98	-1,330.49	950.39	1,588.10	1,515.11	72.98	21.760		
7,400.00	7,093.19	7,319.03	6,975.39	37.27	38.95	-87.88	-1,337.82	890.72	1,594.46	1,520.38	74.08	21.525		
7,450.00	7,108.07	7,393.78	7,009.48	37.81	39.43	-87.82	-1,344.00	824.53	1,599.81	1,524.49	75.32	21.241		
7,500.00	7,119.17	7,470.72	7,036.38	38.39	40.02	-87.77	-1,348.75	752.65	1,604.07	1,527.35	76.72	20.907		
7,550.00	7,126.41	7,549.40	7,054.88	38.99	40.71	-87.74	-1,351.86	676.30	1,607.16	1,528.89	78.28	20.532		
7,600.00	7,129.75	7,629.21	7,064.06	39.62	41.51	-87.70	-1,353.16	597.08	1,609.04	1,529.08	79.96	20.122		
7,616.41	7,130.00	7,655.53	7,064.95	39.83	41.79	-87.68	-1,353.18	570.78	1,609.38	1,528.85	80.53	19.984		
7,700.00	7,130.16	7,741.51	7,065.27	40.97	42.79	-87.69	-1,352.73	484.80	1,610.67	1,527.84	82.83	19.444		
7,800.00	7,130.35	7,841.50	7,065.62	42.46	44.11	-87.70	-1,352.21	384.81	1,612.21	1,526.41	85.80	18.791		
7,900.00	7,130.55	7,941.49	7,065.96	44.09	45.58	-87.71	-1,351.68	284.82	1,613.74	1,524.72	89.03	18.126		
8,000.00	7,130.74	8,041.48	7,066.30	45.84	47.20	-87.72	-1,351.16	184.84	1,615.28	1,522.78	92.50	17.462		
8,100.00	7,130.94	8,141.46	7,066.65	47.70	48.94	-87.72	-1,350.63	84.85	1,616.82	1,520.63	96.19	16.808		
8,200.00	7,131.13	8,241.45	7,066.99	49.65	50.79	-87.73	-1,350.11	-15.13	1,618.35	1,518.28	100.07	16.172		
8,300.00	7,131.32	8,341.44	7,067.33	51.70	52.74	-87.74	-1,349.59	-115.12	1,619.89	1,515.77	104.12	15.558		
8,400.00	7,131.52	8,441.43	7,067.68	53.81	54.78	-87.74	-1,349.06	-215.11	1,621.43	1,513.10	108.32	14.968		
8,500.00	7,131.71	8,541.42	7,068.02	55.99	56.90	-87.75	-1,348.54	-315.09	1,622.97	1,510.31	112.66	14.406		
8,600.00	7,131.90	8,641.40	7,068.36	58.24	59.08	-87.76	-1,348.01	-415.08	1,624.50	1,507.39	117.11	13.871		
8,700.00	7,132.10	8,741.39	7,068.71	60.53	61.32	-87.77	-1,347.49	-515.06	1,626.04	1,504.36	121.68	13.364		
8,800.00	7,132.29	8,841.38	7,069.05	62.87	63.61	-87.77	-1,346.96	-615.05	1,627.58	1,501.24	126.33	12.883		
8,900.00	7,132.49	8,941.37	7,069.40	65.25	65.95	-87.78	-1,346.44	-715.04	1,629.11	1,498.04	131.07	12.429		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,041.36	7,069.74	67.68	68.33	-87.79	-1,345.91	-815.02	1,630.65	1,494.76	135.89	12.000		
9,100.00	7,132.87	9,141.34	7,070.08	70.13	70.75	-87.80	-1,345.39	-915.01	1,632.19	1,491.42	140.77	11.595		
9,200.00	7,133.07	9,241.33	7,070.43	72.61	73.20	-87.80	-1,344.87	-1,014.99	1,633.72	1,488.01	145.72	11.212		
9,300.00	7,133.26	9,341.32	7,070.77	75.13	75.68	-87.81	-1,344.34	-1,114.98	1,635.26	1,484.54	150.72	10.850		
9,400.00	7,133.46	9,441.31	7,071.11	77.66	78.19	-87.82	-1,343.82	-1,214.97	1,636.80	1,481.03	155.77	10.508		
9,500.00	7,133.65	9,541.30	7,071.46	80.22	80.72	-87.83	-1,343.29	-1,314.95	1,638.33	1,477.47	160.86	10.185		
9,600.00	7,133.84	9,641.28	7,071.80	82.80	83.28	-87.83	-1,342.77	-1,414.94	1,639.87	1,473.87	166.00	9.879		
9,700.00	7,134.04	9,741.27	7,072.14	85.40	85.85	-87.84	-1,342.24	-1,514.92	1,641.41	1,470.24	171.17	9.589		
9,800.00	7,134.23	9,841.26	7,072.49	88.01	88.44	-87.85	-1,341.72	-1,614.91	1,642.95	1,466.57	176.38	9.315		
9,900.00	7,134.43	9,941.25	7,072.83	90.64	91.05	-87.85	-1,341.20	-1,714.90	1,644.48	1,462.87	181.62	9.055		
10,000.00	7,134.62	10,041.24	7,073.18	93.28	93.67	-87.86	-1,340.67	-1,814.88	1,646.02	1,459.14	186.88	8.808		
10,100.00	7,134.81	10,141.22	7,073.52	95.94	96.31	-87.87	-1,340.15	-1,914.87	1,647.56	1,455.38	192.18	8.573		
10,200.00	7,135.01	10,241.21	7,073.86	98.61	98.96	-87.88	-1,339.62	-2,014.85	1,649.10	1,451.60	197.50	8.350		
10,300.00	7,135.20	10,341.20	7,074.21	101.28	101.62	-87.88	-1,339.10	-2,114.84	1,650.63	1,447.80	202.83	8.138		
10,400.00	7,135.39	10,441.19	7,074.55	103.97	104.29	-87.89	-1,338.57	-2,214.83	1,652.17	1,443.98	208.19	7.936		
10,500.00	7,135.59	10,541.18	7,074.89	106.67	106.97	-87.90	-1,338.05	-2,314.81	1,653.71	1,440.13	213.57	7.743		
10,600.00	7,135.78	10,641.16	7,075.24	109.38	109.66	-87.91	-1,337.52	-2,414.80	1,655.24	1,436.27	218.97	7.559		
10,700.00	7,135.98	10,741.15	7,075.58	112.09	112.36	-87.91	-1,337.00	-2,514.78	1,656.78	1,432.40	224.38	7.384		
10,800.00	7,136.17	10,841.14	7,075.93	114.81	115.07	-87.92	-1,336.48	-2,614.77	1,658.32	1,428.51	229.81	7.216		
10,900.00	7,136.36	10,941.13	7,076.27	117.54	117.79	-87.93	-1,335.95	-2,714.76	1,659.86	1,424.60	235.25	7.056		
11,000.00	7,136.56	11,041.12	7,076.61	120.28	120.51	-87.93	-1,335.43	-2,814.74	1,661.39	1,420.69	240.71	6.902		
11,100.00	7,136.75	11,141.10	7,076.96	123.02	123.24	-87.94	-1,334.90	-2,914.73	1,662.93	1,416.76	246.17	6.755		
11,200.00	7,136.95	11,241.09	7,077.30	125.76	125.97	-87.95	-1,334.38	-3,014.71	1,664.47	1,412.82	251.65	6.614		
11,300.00	7,137.14	11,341.08	7,077.64	128.52	128.71	-87.95	-1,333.85	-3,114.70	1,666.01	1,408.86	257.14	6.479		
11,400.00	7,137.33	11,441.07	7,077.99	131.27	131.46	-87.96	-1,333.33	-3,214.69	1,667.54	1,404.90	262.64	6.349		
11,500.00	7,137.53	11,541.06	7,078.33	134.03	134.21	-87.97	-1,332.80	-3,314.67	1,669.08	1,400.93	268.15	6.224		
11,600.00	7,137.72	11,641.04	7,078.67	136.80	136.96	-87.98	-1,332.28	-3,414.66	1,670.62	1,396.95	273.67	6.105		
11,700.00	7,137.92	11,741.03	7,079.02	139.57	139.72	-87.98	-1,331.76	-3,514.64	1,672.16	1,392.96	279.19	5.989		
11,800.00	7,138.11	11,841.02	7,079.36	142.34	142.48	-87.99	-1,331.23	-3,614.63	1,673.69	1,388.97	284.73	5.878		
11,900.00	7,138.30	11,941.01	7,079.71	145.12	145.25	-88.00	-1,330.71	-3,714.62	1,675.23	1,384.96	290.27	5.771		
12,000.00	7,138.50	12,041.00	7,080.05	147.90	148.02	-88.00	-1,330.18	-3,814.60	1,676.77	1,380.95	295.82	5.668		
12,100.00	7,138.69	12,140.98	7,080.39	150.68	150.79	-88.01	-1,329.66	-3,914.59	1,678.31	1,376.94	301.37	5.569		
12,200.00	7,138.88	12,240.97	7,080.74	153.47	153.57	-88.02	-1,329.13	-4,014.57	1,679.85	1,372.91	306.93	5.473		
12,300.00	7,139.08	12,340.96	7,081.08	156.26	156.35	-88.02	-1,328.61	-4,114.56	1,681.38	1,368.88	312.50	5.380		
12,400.00	7,139.27	12,440.95	7,081.42	159.05	159.13	-88.03	-1,328.08	-4,214.55	1,682.92	1,364.85	318.07	5.291		
12,500.00	7,139.47	12,540.94	7,081.77	161.85	161.92	-88.04	-1,327.56	-4,314.53	1,684.46	1,360.81	323.65	5.205		
12,600.00	7,139.66	12,640.92	7,082.11	164.64	164.71	-88.05	-1,327.04	-4,414.52	1,686.00	1,356.76	329.23	5.121		
12,700.00	7,139.85	12,740.91	7,082.45	167.44	167.50	-88.05	-1,326.51	-4,514.50	1,687.53	1,352.71	334.82	5.040		
12,800.00	7,140.05	12,840.90	7,082.80	170.24	170.29	-88.06	-1,325.99	-4,614.49	1,689.07	1,348.66	340.42	4.962		
12,900.00	7,140.24	12,940.89	7,083.14	173.05	173.09	-88.07	-1,325.46	-4,714.48	1,690.61	1,344.60	346.01	4.886		
13,000.00	7,140.44	13,040.87	7,083.49	175.85	175.88	-88.07	-1,324.94	-4,814.46	1,692.15	1,340.54	351.61	4.813		
13,100.00	7,140.63	13,140.86	7,083.83	178.66	178.68	-88.08	-1,324.41	-4,914.45	1,693.69	1,336.47	357.22	4.741		
13,200.00	7,140.82	13,240.85	7,084.17	181.47	181.49	-88.09	-1,323.89	-5,014.43	1,695.22	1,332.40	362.83	4.672		
13,300.00	7,141.02	13,340.84	7,084.52	184.28	184.29	-88.09	-1,323.36	-5,114.42	1,696.76	1,328.32	368.44	4.605		
13,400.00	7,141.21	13,440.83	7,084.86	187.10	187.09	-88.10	-1,322.84	-5,214.41	1,698.30	1,324.25	374.06	4.540		
13,500.00	7,141.41	13,540.81	7,085.20	189.91	189.90	-88.11	-1,322.32	-5,314.39	1,699.84	1,320.16	379.67	4.477		
13,600.00	7,141.60	13,640.80	7,085.55	192.73	192.71	-88.11	-1,321.79	-5,414.38	1,701.38	1,316.08	385.30	4.416		
13,700.00	7,141.79	13,740.79	7,085.89	195.54	195.52	-88.12	-1,321.27	-5,514.36	1,702.91	1,311.99	390.92	4.356		
13,800.00	7,141.99	13,840.78	7,086.23	198.36	198.33	-88.13	-1,320.74	-5,614.35	1,704.45	1,307.90	396.55	4.298		
13,900.00	7,142.18	13,940.77	7,086.58	201.18	201.14	-88.13	-1,320.22	-5,714.34	1,705.99	1,303.81	402.18	4.242		
14,000.00	7,142.37	14,040.75	7,086.92	204.01	203.96	-88.14	-1,319.69	-5,814.32	1,707.53	1,299.71	407.82	4.187		
14,100.00	7,142.57	14,140.74	7,087.27	206.83	206.77	-88.15	-1,319.17	-5,914.31	1,709.07	1,295.62	413.45	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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,240.73	7,087.61	209.65	209.59	-88.15	-1,318.64	-6,014.29	1,710.61	1,291.52	419.09	4.082		
14,300.00	7,142.96	14,340.72	7,087.95	212.48	212.41	-88.16	-1,318.12	-6,114.28	1,712.14	1,287.41	424.73	4.031		
14,400.00	7,143.15	14,440.71	7,088.30	215.30	215.23	-88.17	-1,317.60	-6,214.27	1,713.68	1,283.31	430.37	3.982		
14,500.00	7,143.34	14,540.69	7,088.64	218.13	218.05	-88.17	-1,317.07	-6,314.25	1,715.22	1,279.20	436.02	3.934		
14,600.00	7,143.54	14,640.68	7,088.98	220.96	220.87	-88.18	-1,316.55	-6,414.24	1,716.76	1,275.09	441.67	3.887		
14,700.00	7,143.73	14,740.67	7,089.33	223.79	223.69	-88.19	-1,316.02	-6,514.22	1,718.30	1,270.98	447.32	3.841		
14,800.00	7,143.93	14,840.66	7,089.67	226.62	226.51	-88.19	-1,315.50	-6,614.21	1,719.84	1,266.87	452.97	3.797		
14,838.32	7,144.00	14,878.97	7,089.80	227.70	227.60	-88.20	-1,315.30	-6,652.53	1,720.43	1,265.29	455.13	3.780		
14,900.00	7,144.12	14,940.65	7,090.01	229.45	229.34	-88.20	-1,314.97	-6,714.20	1,720.71	1,262.09	458.62	3.752		
15,000.00	7,144.32	15,040.62	7,090.36	232.26	232.16	-88.19	-1,314.45	-6,814.17	1,718.35	1,254.09	464.26	3.701		
15,027.81	7,144.37	15,068.40	7,090.45	233.04	232.95	-88.19	-1,314.30	-6,841.95	1,717.08	1,251.25	465.82	3.686		
15,100.00	7,144.51	15,140.50	7,090.70	235.07	234.99	-88.19	-1,313.93	-6,914.04	1,713.42	1,243.53	469.88	3.646		
15,200.00	7,144.71	15,227.29	7,091.00	237.87	237.44	-88.19	-1,313.47	-7,000.83	1,708.40	1,233.31	475.09	3.596		
15,300.00	7,144.91	15,300.00	7,091.25	240.68	239.49	-88.19	-1,314.01	-7,073.54	1,704.67	1,224.93	479.75	3.553		
15,400.00	7,145.10	15,381.20	7,091.54	243.48	241.78	-88.20	-1,316.28	-7,154.70	1,702.84	1,218.20	484.64	3.514		
15,500.00	7,145.30	15,481.18	7,091.89	246.29	244.59	-88.20	-1,319.22	-7,254.65	1,701.23	1,210.97	490.26	3.470		
15,600.00	7,145.50	15,581.17	7,092.24	249.10	247.40	-88.20	-1,322.16	-7,354.59	1,699.62	1,203.73	495.89	3.427		
15,700.00	7,145.69	15,681.16	7,092.59	251.91	250.22	-88.21	-1,325.10	-7,454.53	1,698.01	1,196.50	501.52	3.386		
15,800.00	7,145.89	15,781.14	7,092.94	254.71	253.03	-88.21	-1,328.04	-7,554.48	1,696.40	1,189.26	507.15	3.345		
15,900.00	7,146.09	15,881.13	7,093.30	257.52	255.85	-88.21	-1,330.98	-7,654.42	1,694.79	1,182.02	512.78	3.305		
16,000.00	7,146.28	15,981.12	7,093.65	260.34	258.67	-88.22	-1,333.92	-7,754.36	1,693.19	1,174.78	518.41	3.266		
16,100.00	7,146.48	16,081.11	7,094.00	263.15	261.48	-88.22	-1,336.86	-7,854.31	1,691.58	1,167.53	524.04	3.228		
16,200.00	7,146.68	16,181.09	7,094.35	265.96	264.30	-88.22	-1,339.80	-7,954.25	1,689.97	1,160.29	529.68	3.191		
16,300.00	7,146.87	16,281.08	7,094.70	268.77	267.12	-88.23	-1,342.74	-8,054.19	1,688.36	1,153.04	535.31	3.154		
16,400.00	7,147.07	16,381.07	7,095.05	271.58	269.94	-88.23	-1,345.68	-8,154.14	1,686.75	1,145.80	540.95	3.118		
16,500.00	7,147.27	16,481.05	7,095.41	274.40	272.76	-88.23	-1,348.62	-8,254.08	1,685.14	1,138.55	546.59	3.083		
16,600.00	7,147.46	16,581.04	7,095.76	277.21	275.58	-88.24	-1,351.56	-8,354.02	1,683.53	1,131.30	552.23	3.049		
16,700.00	7,147.66	16,681.03	7,096.11	280.03	278.40	-88.24	-1,354.50	-8,453.96	1,681.92	1,124.05	557.87	3.015		
16,800.00	7,147.86	16,781.01	7,096.46	282.84	281.23	-88.25	-1,357.44	-8,553.91	1,680.31	1,116.80	563.51	2.982		
16,900.00	7,148.05	16,881.00	7,096.81	285.66	284.05	-88.25	-1,360.38	-8,653.85	1,678.71	1,109.55	569.15	2.949		
17,000.00	7,148.25	16,980.99	7,097.16	288.48	286.87	-88.25	-1,363.32	-8,753.79	1,677.10	1,102.30	574.80	2.918		
17,100.00	7,148.45	17,080.98	7,097.52	291.29	289.69	-88.26	-1,366.26	-8,853.74	1,675.49	1,095.05	580.44	2.887		
17,200.00	7,148.64	17,180.96	7,097.87	294.11	292.52	-88.26	-1,369.20	-8,953.68	1,673.88	1,087.79	586.09	2.856		
17,300.00	7,148.84	17,280.95	7,098.22	296.93	295.34	-88.26	-1,372.14	-9,053.62	1,672.27	1,080.54	591.73	2.826		
17,400.00	7,149.04	17,380.94	7,098.57	299.75	298.17	-88.27	-1,375.08	-9,153.57	1,670.66	1,073.28	597.38	2.797		
17,500.00	7,149.23	17,480.92	7,098.92	302.57	300.99	-88.27	-1,378.02	-9,253.51	1,669.05	1,066.02	603.03	2.768		
17,600.00	7,149.43	17,580.91	7,099.27	305.39	303.82	-88.27	-1,380.96	-9,353.45	1,667.44	1,058.77	608.68	2.739		
17,700.00	7,149.63	17,680.90	7,099.63	308.21	306.65	-88.28	-1,383.90	-9,453.40	1,665.84	1,051.51	614.33	2.712		
17,800.00	7,149.82	17,780.88	7,099.98	311.03	309.47	-88.28	-1,386.84	-9,553.34	1,664.23	1,044.25	619.98	2.684		
17,900.00	7,150.02	17,880.87	7,100.33	313.85	312.30	-88.29	-1,389.78	-9,653.28	1,662.62	1,036.99	625.63	2.658		
18,000.00	7,150.22	17,980.86	7,100.68	316.67	315.13	-88.29	-1,392.72	-9,753.23	1,661.01	1,029.73	631.28	2.631		
18,100.00	7,150.41	18,080.85	7,101.03	319.49	317.96	-88.29	-1,395.66	-9,853.17	1,659.40	1,022.47	636.93	2.605		
18,200.00	7,150.61	18,180.83	7,101.38	322.32	320.79	-88.30	-1,398.60	-9,953.11	1,657.79	1,015.21	642.59	2.580		
18,300.00	7,150.81	18,280.82	7,101.74	325.14	323.61	-88.30	-1,401.54	-10,053.06	1,656.18	1,007.94	648.24	2.555		
18,400.00	7,151.00	18,380.81	7,102.09	327.96	326.44	-88.30	-1,404.48	-10,153.00	1,654.57	1,000.68	653.89	2.530		
18,500.00	7,151.20	18,480.79	7,102.44	330.78	329.27	-88.31	-1,407.42	-10,252.94	1,652.97	993.42	659.55	2.506		
18,600.00	7,151.40	18,580.78	7,102.79	333.61	332.10	-88.31	-1,410.36	-10,352.88	1,651.36	986.15	665.20	2.482		
18,700.00	7,151.59	18,680.77	7,103.14	336.43	334.93	-88.32	-1,413.30	-10,452.83	1,649.75	978.89	670.86	2.459		
18,800.00	7,151.79	18,780.76	7,103.49	339.26	337.76	-88.32	-1,416.24	-10,552.77	1,648.14	971.62	676.52	2.436		
18,906.26	7,152.00	18,887.00	7,103.87	342.26	340.77	-88.32	-1,419.37	-10,652.97	1,646.43	963.90	682.53	2.412 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.52	-165.03	-1.39	165.03					
100.00	100.00	100.00	100.00	3.28	3.28	-179.52	-165.03	-1.39	165.03	158.46	6.57	25.121		
200.00	200.00	200.00	200.00	3.34	3.34	-179.52	-165.03	-1.39	165.03	158.36	6.67	24.727 CC, ES		
300.00	299.98	295.44	295.42	3.44	3.43	100.70	-166.34	-0.50	166.72	159.84	6.88	24.217		
400.00	399.84	390.68	390.54	3.60	3.58	101.33	-170.28	2.16	171.81	164.61	7.20	23.867		
500.00	499.45	485.55	485.07	3.81	3.76	102.30	-176.81	6.57	180.33	172.72	7.61	23.706		
600.00	598.70	579.84	578.73	4.06	3.99	103.48	-185.86	12.69	192.31	184.22	8.09	23.758		
700.00	697.47	673.40	671.24	4.34	4.24	104.78	-197.36	20.46	207.80	199.15	8.65	24.025		
785.50	781.43	752.66	749.24	4.61	4.49	105.90	-209.06	28.37	223.83	214.66	9.17	24.410		
800.00	795.63	766.04	762.36	4.66	4.53	106.13	-211.21	29.82	226.79	217.53	9.26	24.487		
900.00	893.55	857.85	852.09	5.02	4.85	107.34	-227.33	40.72	248.63	238.72	9.92	25.075		
1,000.00	991.47	948.82	940.32	5.40	5.20	107.92	-245.65	53.10	272.82	262.21	10.61	25.714		
1,100.00	1,089.39	1,038.76	1,026.83	5.80	5.58	108.01	-266.03	66.88	299.24	287.91	11.33	26.405		
1,200.00	1,187.31	1,127.52	1,111.40	6.21	5.98	107.73	-288.34	81.96	327.83	315.76	12.08	27.145		
1,300.00	1,285.22	1,216.34	1,195.17	6.64	6.42	107.19	-312.79	98.49	358.55	345.71	12.84	27.915		
1,400.00	1,383.14	1,311.18	1,284.29	7.08	6.91	106.59	-339.67	116.65	390.04	376.36	13.67	28.526		
1,500.00	1,481.06	1,406.02	1,373.41	7.52	7.41	106.09	-366.54	134.82	421.55	407.03	14.53	29.022		
1,600.00	1,578.98	1,500.86	1,462.54	7.98	7.94	105.65	-393.42	152.98	453.09	437.70	15.40	29.426		
1,700.00	1,676.90	1,604.29	1,551.66	8.44	8.52	105.27	-420.29	171.15	484.66	468.33	16.33	29.679		
1,800.00	1,774.82	1,709.45	1,640.78	8.90	9.12	104.94	-447.17	189.31	516.23	498.95	17.29	29.863		
1,900.00	1,872.74	1,785.39	1,729.91	9.37	9.56	104.65	-474.04	207.48	547.83	529.72	18.11	30.257		
2,000.00	1,970.66	1,880.24	1,819.03	9.84	10.12	104.38	-500.92	225.64	579.43	560.40	19.03	30.446		
2,100.00	2,068.57	1,975.08	1,908.15	10.32	10.68	104.15	-527.79	243.81	611.04	591.08	19.97	30.604		
2,200.00	2,166.49	2,069.92	1,997.28	10.80	11.25	103.94	-554.67	261.97	642.67	621.76	20.91	30.737		
2,300.00	2,264.41	2,164.77	2,086.40	11.28	11.82	103.74	-581.54	280.14	674.30	652.44	21.86	30.850		
2,400.00	2,362.33	2,259.61	2,175.52	11.76	12.40	103.57	-608.42	298.30	705.93	683.12	22.81	30.946		
2,500.00	2,460.25	2,354.45	2,264.65	12.24	12.97	103.41	-635.29	316.47	737.57	713.80	23.77	31.027		
2,600.00	2,558.17	2,449.29	2,353.77	12.73	13.56	103.26	-662.17	334.63	769.22	744.48	24.74	31.097		
2,700.00	2,656.09	2,544.14	2,442.89	13.22	14.14	103.13	-689.04	352.80	800.87	775.16	25.70	31.157		
2,800.00	2,754.01	2,638.98	2,532.01	13.71	14.72	103.00	-715.92	370.96	832.52	805.85	26.68	31.208		
2,900.00	2,851.92	2,733.82	2,621.14	14.20	15.31	102.89	-742.80	389.13	864.18	836.53	27.65	31.252		
3,000.00	2,949.84	2,828.67	2,710.26	14.69	15.90	102.78	-769.67	407.29	895.84	867.21	28.63	31.290		
3,100.00	3,047.76	2,923.51	2,799.38	15.18	16.49	102.68	-796.55	425.46	927.50	897.89	29.61	31.323		
3,200.00	3,145.68	3,018.35	2,888.51	15.67	17.08	102.59	-823.42	443.62	959.17	928.57	30.59	31.352		
3,300.00	3,243.60	3,113.20	2,977.63	16.17	17.67	102.50	-850.30	461.79	990.83	959.26	31.58	31.377		
3,400.00	3,341.52	3,208.04	3,066.75	16.66	18.27	102.42	-877.17	479.95	1,022.50	989.94	32.57	31.398		
3,500.00	3,439.44	3,302.88	3,155.88	17.16	18.86	102.34	-904.05	498.12	1,054.17	1,020.62	33.55	31.416		
3,600.00	3,537.36	3,402.28	3,245.00	17.65	19.48	102.27	-930.92	516.28	1,085.85	1,051.28	34.57	31.409		
3,700.00	3,635.27	3,507.43	3,334.12	18.15	20.14	102.20	-957.80	534.45	1,117.52	1,081.90	35.62	31.373		
3,800.00	3,733.19	3,587.41	3,423.25	18.65	20.65	102.13	-984.67	552.61	1,149.20	1,112.66	36.53	31.458		
3,900.00	3,831.11	3,682.25	3,512.37	19.14	21.25	102.07	-1,011.55	570.78	1,180.87	1,143.35	37.53	31.468		
4,000.00	3,929.03	3,777.10	3,601.49	19.64	21.84	102.01	-1,038.42	588.94	1,212.55	1,174.03	38.52	31.477		
4,100.00	4,026.95	3,871.94	3,690.62	20.14	22.44	101.96	-1,065.30	607.11	1,244.23	1,204.71	39.52	31.485		
4,200.00	4,124.87	3,966.78	3,779.74	20.64	23.04	101.91	-1,092.17	625.27	1,275.91	1,235.39	40.52	31.491		
4,300.00	4,222.79	4,061.63	3,868.86	21.14	23.64	101.86	-1,119.05	643.44	1,307.59	1,266.07	41.52	31.496		
4,400.00	4,320.71	4,156.47	3,957.99	21.64	24.24	101.81	-1,145.92	661.60	1,339.27	1,296.76	42.52	31.501		
4,500.00	4,418.62	4,251.31	4,047.11	22.14	24.84	101.76	-1,172.80	679.77	1,370.95	1,327.44	43.52	31.504		
4,600.00	4,516.54	4,346.15	4,136.23	22.64	25.44	101.72	-1,199.67	697.93	1,402.64	1,358.12	44.52	31.507		
4,700.00	4,614.46	4,441.00	4,225.36	23.14	26.04	101.68	-1,226.55	716.10	1,434.32	1,388.80	45.52	31.510		
4,800.00	4,712.38	4,535.84	4,314.48	23.64	26.64	101.64	-1,253.42	734.26	1,466.00	1,419.48	46.52	31.512		
4,900.00	4,810.30	4,630.68	4,403.60	24.14	27.24	101.60	-1,280.30	752.43	1,497.69	1,450.16	47.53	31.513		
5,000.00	4,908.22	4,725.53	4,492.73	24.64	27.85	101.56	-1,307.17	770.59	1,529.38	1,480.85	48.53	31.514		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-150.09	-1.39	150.10					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-150.09	-1.39	150.10	143.53	6.57	22.849		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-150.09	-1.39	150.10	143.43	6.67	22.490 CC, ES		
300.00	299.98	295.91	295.89	3.44	3.44	100.76	-151.40	-0.45	151.77	144.89	6.88	22.044		
400.00	399.84	391.64	391.49	3.60	3.58	101.42	-155.30	2.34	156.80	149.60	7.20	21.779		
500.00	499.45	486.99	486.51	3.81	3.77	102.42	-161.77	6.98	165.22	157.61	7.61	21.715		
600.00	598.70	581.80	580.67	4.06	3.99	103.64	-170.74	13.42	177.06	168.96	8.10	21.867		
700.00	697.47	675.89	673.70	4.34	4.25	104.96	-182.14	21.59	192.36	183.71	8.65	22.229		
785.50	781.43	755.63	752.15	4.61	4.50	106.09	-193.74	29.92	208.19	199.01	9.18	22.689		
800.00	795.63	769.09	765.35	4.66	4.54	106.33	-195.87	31.45	211.11	201.84	9.27	22.777		
900.00	893.55	861.49	855.62	5.02	4.87	107.48	-211.88	42.92	232.66	222.73	9.93	23.439		
1,000.00	991.47	953.05	944.40	5.40	5.22	107.96	-230.06	55.96	256.49	245.86	10.62	24.140		
1,100.00	1,089.39	1,043.59	1,031.45	5.80	5.60	107.93	-250.30	70.48	282.50	271.15	11.35	24.882		
1,200.00	1,187.31	1,132.96	1,116.56	6.21	6.01	107.52	-272.45	86.37	310.66	298.55	12.10	25.664		
1,300.00	1,285.22	1,223.54	1,201.96	6.64	6.46	106.84	-296.96	103.95	340.83	327.95	12.89	26.450		
1,400.00	1,383.14	1,318.63	1,291.42	7.08	6.95	106.17	-323.18	122.75	371.52	357.80	13.72	27.079		
1,500.00	1,481.06	1,413.73	1,380.87	7.52	7.46	105.60	-349.39	141.55	402.25	387.67	14.58	27.593		
1,600.00	1,578.98	1,508.82	1,470.33	7.98	7.98	105.12	-375.60	160.36	433.00	417.55	15.45	28.017		
1,700.00	1,676.90	1,603.91	1,559.78	8.44	8.52	104.69	-401.81	179.16	463.78	447.43	16.35	28.368		
1,800.00	1,774.82	1,701.00	1,649.23	8.90	9.07	104.32	-428.03	197.96	494.58	477.32	17.27	28.645		
1,900.00	1,872.74	1,794.10	1,738.69	9.37	9.61	104.00	-454.24	216.76	525.40	507.23	18.18	28.908		
2,000.00	1,970.66	1,889.19	1,828.14	9.84	10.17	103.70	-480.45	235.56	556.23	537.13	19.10	29.115		
2,100.00	2,068.57	1,984.28	1,917.60	10.32	10.73	103.44	-506.67	254.36	587.07	567.03	20.04	29.292		
2,200.00	2,166.49	2,079.37	2,007.05	10.80	11.30	103.21	-532.88	273.16	617.93	596.94	20.99	29.442		
2,300.00	2,264.41	2,174.47	2,096.50	11.28	11.87	103.00	-559.09	291.96	648.79	626.85	21.94	29.571		
2,400.00	2,362.33	2,269.56	2,185.96	11.76	12.45	102.81	-585.31	310.76	679.66	656.76	22.90	29.682		
2,500.00	2,460.25	2,364.65	2,275.41	12.24	13.03	102.63	-611.52	329.57	710.53	686.67	23.86	29.779		
2,600.00	2,558.17	2,459.75	2,364.87	12.73	13.61	102.47	-637.73	348.37	741.41	716.58	24.83	29.862		
2,700.00	2,656.09	2,554.84	2,454.32	13.22	14.19	102.32	-663.94	367.17	772.30	746.50	25.80	29.935		
2,800.00	2,754.01	2,649.93	2,543.78	13.71	14.78	102.18	-690.16	385.97	803.19	776.41	26.77	29.999		
2,900.00	2,851.92	2,745.02	2,633.23	14.20	15.37	102.06	-716.37	404.77	834.08	806.33	27.75	30.055		
3,000.00	2,949.84	2,840.12	2,722.68	14.69	15.96	101.94	-742.58	423.57	864.97	836.24	28.73	30.105		
3,100.00	3,047.76	2,935.21	2,812.14	15.18	16.55	101.83	-768.80	442.37	895.87	866.16	29.72	30.148		
3,200.00	3,145.68	3,030.30	2,901.59	15.67	17.14	101.73	-795.01	461.17	926.78	896.08	30.70	30.187		
3,300.00	3,243.60	3,125.40	2,991.05	16.17	17.73	101.63	-821.22	479.98	957.68	925.99	31.69	30.221		
3,400.00	3,341.52	3,220.49	3,080.50	16.66	18.32	101.54	-847.43	498.78	988.59	955.91	32.68	30.252		
3,500.00	3,439.44	3,315.58	3,169.95	17.16	18.92	101.46	-873.65	517.58	1,019.50	985.83	33.67	30.279		
3,600.00	3,537.36	3,410.67	3,259.41	17.65	19.51	101.38	-899.86	536.38	1,050.41	1,015.75	34.66	30.304		
3,700.00	3,635.27	3,505.77	3,348.86	18.15	20.11	101.30	-926.07	555.18	1,081.32	1,045.67	35.66	30.326		
3,800.00	3,733.19	3,600.86	3,438.32	18.65	20.71	101.23	-952.29	573.98	1,112.24	1,075.58	36.65	30.345		
3,900.00	3,831.11	3,695.95	3,527.77	19.14	21.31	101.17	-978.50	592.78	1,143.15	1,105.50	37.65	30.363		
4,000.00	3,929.03	3,808.95	3,617.22	19.64	22.02	101.10	-1,004.71	611.58	1,174.07	1,135.32	38.75	30.300		
4,100.00	4,026.95	3,886.14	3,706.68	20.14	22.50	101.04	-1,030.92	630.39	1,204.99	1,165.34	39.65	30.393		
4,200.00	4,124.87	3,961.23	3,796.13	20.64	23.10	100.99	-1,057.14	649.19	1,235.91	1,195.26	40.65	30.405		
4,300.00	4,222.79	4,076.32	3,885.59	21.14	23.70	100.93	-1,083.35	667.99	1,266.83	1,225.18	41.65	30.417		
4,400.00	4,320.71	4,171.42	3,975.04	21.64	24.30	100.88	-1,109.56	686.79	1,297.75	1,255.10	42.65	30.427		
4,500.00	4,418.62	4,266.51	4,064.50	22.14	24.90	100.83	-1,135.78	705.59	1,328.67	1,285.02	43.65	30.436		
4,600.00	4,516.54	4,361.60	4,153.95	22.64	25.50	100.78	-1,161.99	724.39	1,359.60	1,314.94	44.66	30.445		
4,700.00	4,614.46	4,456.69	4,243.40	23.14	26.11	100.74	-1,188.20	743.19	1,390.52	1,344.86	45.66	30.452		
4,800.00	4,712.38	4,551.79	4,332.86	23.64	26.71	100.70	-1,214.42	761.99	1,421.45	1,374.78	46.67	30.459		
4,900.00	4,810.30	4,646.88	4,422.31	24.14	27.31	100.65	-1,240.63	780.80	1,452.37	1,404.70	47.67	30.465		
5,000.00	4,908.22	4,741.97	4,511.77	24.64	27.91	100.61	-1,266.84	799.60	1,483.30	1,434.62	48.68	30.471		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,837.07	4,601.22	25.14	28.51	100.58	-1,293.05	818.40	1,514.23	1,464.54	49.69	30.476		
5,200.00	5,104.06	4,932.16	4,690.67	25.64	29.12	100.54	-1,319.27	837.20	1,545.15	1,494.46	50.69	30.480		
5,300.00	5,201.97	5,027.25	4,780.13	26.14	29.72	100.51	-1,345.48	856.00	1,576.08	1,524.38	51.70	30.484		
5,400.00	5,299.89	5,122.34	4,869.58	26.64	30.32	100.47	-1,371.69	874.80	1,607.01	1,554.30	52.71	30.488		
5,500.00	5,397.81	5,217.44	4,959.04	27.15	30.93	100.44	-1,397.91	893.60	1,637.94	1,584.22	53.72	30.491		
5,600.00	5,495.73	5,312.53	5,048.49	27.65	31.53	100.41	-1,424.12	912.40	1,668.87	1,614.14	54.73	30.494		
5,700.00	5,593.65	5,407.62	5,137.94	28.15	32.13	100.38	-1,450.33	931.21	1,699.80	1,644.06	55.74	30.497		
5,800.00	5,691.57	5,502.72	5,227.40	28.65	32.74	100.35	-1,476.54	950.01	1,730.73	1,673.98	56.75	30.499		
5,900.00	5,789.49	5,602.19	5,316.85	29.15	33.37	100.32	-1,502.76	968.81	1,761.66	1,703.88	57.78	30.488		
6,000.00	5,887.41	5,692.90	5,406.31	29.66	33.95	100.29	-1,528.97	987.61	1,792.59	1,733.82	58.77	30.502		
6,100.00	5,985.32	5,787.99	5,495.76	30.16	34.55	100.27	-1,555.18	1,006.41	1,823.52	1,763.74	59.78	30.504		
6,200.00	6,083.24	5,883.09	5,585.21	30.66	35.16	100.24	-1,581.40	1,025.21	1,854.45	1,793.66	60.79	30.505		
6,300.00	6,181.16	5,978.18	5,674.67	31.16	35.76	100.22	-1,607.61	1,044.01	1,885.39	1,823.58	61.80	30.506		
6,400.00	6,279.08	6,073.27	5,764.12	31.67	36.37	100.20	-1,633.82	1,062.81	1,916.32	1,853.50	62.82	30.507		
6,490.03	6,367.24	6,158.89	5,844.66	32.12	36.91	100.18	-1,657.42	1,079.74	1,944.17	1,880.44	63.73	30.508		
6,500.00	6,377.01	6,168.36	5,853.58	32.17	36.97	101.39	-1,660.03	1,081.61	1,947.25	1,883.42	63.83	30.508		
6,550.00	6,426.43	6,215.79	5,898.19	32.40	37.27	111.18	-1,673.11	1,090.99	1,962.75	1,898.44	64.31	30.521		
6,600.00	6,476.27	6,262.80	5,942.42	32.61	37.57	147.10	-1,686.07	1,100.29	1,978.24	1,913.49	64.75	30.552		
6,650.00	6,526.21	6,309.12	5,985.99	32.80	37.87	-125.53	-1,698.84	1,109.44	1,993.65	1,928.50	65.16	30.598		
6,700.00	6,575.96	6,354.46	6,028.64	32.98	38.15	-103.45	-1,711.33	1,118.41	2,008.97	1,943.43	65.54	30.653		
6,750.00	6,625.19	6,401.47	6,070.10	33.16	38.45	-96.23	-1,723.48	1,127.12	2,024.17	1,958.24	65.92	30.706		
6,800.00	6,673.62	6,441.08	6,110.12	33.35	38.71	-92.46	-1,735.21	1,135.53	2,039.24	1,972.99	66.26	30.777		
6,850.00	6,720.94	6,481.82	6,148.45	33.55	38.97	-90.01	-1,746.44	1,143.59	2,054.22	1,987.62	66.60	30.844		
6,900.00	6,766.86	6,520.52	6,184.85	33.76	39.21	-88.20	-1,757.11	1,151.24	2,069.12	2,002.18	66.93	30.912		
6,950.00	6,811.10	6,556.93	6,219.10	33.98	39.44	-86.75	-1,767.15	1,158.44	2,083.96	2,016.70	67.26	30.983		
7,000.00	6,853.38	6,590.84	6,251.00	34.23	39.66	-85.51	-1,776.49	1,165.14	2,098.80	2,031.22	67.58	31.056		
7,050.00	6,893.45	6,622.02	6,280.33	34.50	39.86	-84.39	-1,785.09	1,171.31	2,113.65	2,045.75	67.90	31.129		
7,100.00	6,931.05	6,650.29	6,306.93	34.79	40.04	-83.33	-1,792.88	1,176.90	2,128.57	2,060.35	68.22	31.202		
7,150.00	6,965.96	6,675.48	6,330.62	35.12	40.20	-82.29	-1,799.82	1,181.88	2,143.56	2,075.01	68.54	31.273		
7,200.00	6,997.96	6,709.25	6,362.53	35.47	40.40	-81.53	-1,809.17	1,187.77	2,158.59	2,089.60	69.00	31.286		
7,250.00	7,026.85	6,746.38	6,397.91	35.86	40.62	-80.90	-1,819.52	1,192.20	2,173.57	2,104.05	69.52	31.264		
7,300.00	7,052.45	6,787.23	6,437.04	36.29	40.83	-80.41	-1,830.96	1,194.59	2,188.44	2,118.32	70.12	31.210		
7,350.00	7,074.61	6,833.72	6,481.66	36.76	41.04	-80.10	-1,843.99	1,194.12	2,203.13	2,132.33	70.80	31.117		
7,400.00	7,093.19	6,889.33	6,534.80	37.27	41.25	-80.04	-1,859.50	1,189.11	2,217.57	2,145.99	71.59	30.977		
7,450.00	7,108.07	7,450.00	6,578.02	37.81	43.00	-79.78	-1,872.08	1,180.97	2,231.58	2,157.25	74.33	30.024		
7,500.00	7,119.17	7,500.00	6,668.32	38.39	42.80	-80.76	-1,898.33	1,153.60	2,244.96	2,169.76	75.20	29.853		
7,550.00	7,126.41	7,233.77	6,835.22	38.99	42.11	-83.74	-1,946.64	1,055.20	2,257.10	2,181.92	75.17	30.025		
7,600.00	7,129.75	7,558.45	7,019.83	39.62	43.21	-87.38	-1,999.40	797.74	2,265.84	2,187.41	78.43	28.890		
7,616.41	7,130.00	7,616.41	7,052.60	39.83	43.52	-88.05	-2,008.46	682.69	2,267.12	2,187.66	79.46	28.532		
7,700.00	7,130.16	7,874.05	7,065.62	40.97	45.48	-88.37	-2,011.38	488.18	2,268.91	2,184.90	84.02	27.005		
7,800.00	7,130.35	7,974.03	7,066.44	42.46	46.54	-88.39	-2,011.17	388.21	2,270.75	2,183.82	86.93	26.121		
7,900.00	7,130.55	8,074.01	7,067.27	44.09	47.77	-88.41	-2,010.96	288.23	2,272.60	2,182.48	90.12	25.218		
8,000.00	7,130.74	8,173.99	7,068.10	45.84	49.17	-88.42	-2,010.75	188.25	2,274.44	2,180.89	93.54	24.314		
8,100.00	7,130.94	8,273.97	7,068.92	47.70	50.72	-88.44	-2,010.55	88.27	2,276.28	2,179.09	97.19	23.422		
8,200.00	7,131.13	8,373.95	7,069.75	49.65	52.41	-88.46	-2,010.34	-11.70	2,278.12	2,177.10	101.02	22.551		
8,300.00	7,131.32	8,473.93	7,070.57	51.70	54.22	-88.47	-2,010.13	-111.68	2,279.96	2,174.93	105.03	21.708		
8,400.00	7,131.52	8,573.92	7,071.40	53.81	56.13	-88.49	-2,009.92	-211.66	2,281.80	2,172.61	109.19	20.897		
8,500.00	7,131.71	8,673.90	7,072.23	55.99	58.14	-88.51	-2,009.71	-311.63	2,283.64	2,170.16	113.49	20.122		
8,600.00	7,131.90	8,773.88	7,073.05	58.24	60.23	-88.53	-2,009.50	-411.61	2,285.49	2,167.58	117.91	19.384		
8,700.00	7,132.10	8,873.86	7,073.88	60.53	62.39	-88.54	-2,009.29	-511.59	2,287.33	2,164.90	122.43	18.683		
8,800.00	7,132.29	8,973.84	7,074.70	62.87	64.61	-88.56	-2,009.08	-611.56	2,289.17	2,162.12	127.05	18.017		
8,900.00	7,132.49	9,073.82	7,075.53	65.25	66.88	-88.58	-2,008.87	-711.54	2,291.01	2,159.25	131.76	17.387		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,173.80	7,076.35	67.68	69.20	-88.59	-2,008.66	-811.52	2,292.86	2,156.31	136.55	16.791		
9,100.00	7,132.87	9,273.78	7,077.18	70.13	71.57	-88.61	-2,008.45	-911.50	2,294.70	2,153.29	141.41	16.228		
9,200.00	7,133.07	9,373.76	7,078.01	72.61	73.97	-88.63	-2,008.24	-1,011.47	2,296.54	2,150.22	146.32	15.695		
9,300.00	7,133.26	9,473.74	7,078.83	75.13	76.41	-88.64	-2,008.04	-1,111.45	2,298.39	2,147.09	151.30	15.191		
9,400.00	7,133.46	9,573.72	7,079.66	77.66	78.88	-88.66	-2,007.83	-1,211.43	2,300.23	2,143.90	156.33	14.714		
9,500.00	7,133.65	9,673.70	7,080.48	80.22	81.37	-88.68	-2,007.62	-1,311.40	2,302.07	2,140.67	161.40	14.263		
9,600.00	7,133.84	9,773.68	7,081.31	82.80	83.89	-88.70	-2,007.41	-1,411.38	2,303.92	2,137.40	166.52	13.836		
9,700.00	7,134.04	9,873.66	7,082.13	85.40	86.43	-88.71	-2,007.20	-1,511.36	2,305.76	2,134.09	171.67	13.431		
9,800.00	7,134.23	9,973.65	7,082.96	88.01	88.99	-88.73	-2,006.99	-1,611.34	2,307.61	2,130.75	176.86	13.048		
9,900.00	7,134.43	10,073.63	7,083.79	90.64	91.57	-88.75	-2,006.78	-1,711.31	2,309.45	2,127.37	182.08	12.684		
10,000.00	7,134.62	10,173.61	7,084.61	93.28	94.17	-88.76	-2,006.57	-1,811.29	2,311.30	2,123.97	187.33	12.338		
10,100.00	7,134.81	10,273.59	7,085.44	95.94	96.78	-88.78	-2,006.36	-1,911.27	2,313.14	2,120.54	192.61	12.010		
10,200.00	7,135.01	10,373.57	7,086.26	98.61	99.41	-88.80	-2,006.15	-2,011.24	2,314.99	2,117.08	197.91	11.697		
10,300.00	7,135.20	10,473.55	7,087.09	101.28	102.05	-88.81	-2,005.94	-2,111.22	2,316.83	2,113.60	203.23	11.400		
10,400.00	7,135.39	10,573.53	7,087.91	103.97	104.70	-88.83	-2,005.73	-2,211.20	2,318.68	2,110.10	208.58	11.116		
10,500.00	7,135.59	10,673.51	7,088.74	106.67	107.36	-88.85	-2,005.53	-2,311.18	2,320.53	2,106.58	213.95	10.846		
10,600.00	7,135.78	10,773.49	7,089.57	109.38	110.04	-88.86	-2,005.32	-2,411.15	2,322.37	2,103.04	219.33	10.588		
10,700.00	7,135.98	10,873.47	7,090.39	112.09	112.72	-88.88	-2,005.11	-2,511.13	2,324.22	2,099.49	224.73	10.342		
10,800.00	7,136.17	10,973.45	7,091.22	114.81	115.41	-88.89	-2,004.90	-2,611.11	2,326.06	2,095.92	230.15	10.107		
10,900.00	7,136.36	11,073.43	7,092.04	117.54	118.11	-88.91	-2,004.69	-2,711.08	2,327.91	2,092.33	235.58	9.882		
11,000.00	7,136.56	11,173.41	7,092.87	120.28	120.82	-88.93	-2,004.48	-2,811.06	2,329.76	2,088.73	241.03	9.666		
11,100.00	7,136.75	11,273.39	7,093.69	123.02	123.53	-88.94	-2,004.27	-2,911.04	2,331.60	2,085.12	246.48	9.460		
11,200.00	7,136.95	11,373.38	7,094.52	125.76	126.25	-88.96	-2,004.06	-3,011.02	2,333.45	2,081.50	251.95	9.261		
11,300.00	7,137.14	11,473.36	7,095.35	128.52	128.98	-88.98	-2,003.85	-3,110.99	2,335.30	2,077.87	257.43	9.071		
11,400.00	7,137.33	11,573.34	7,096.17	131.27	131.71	-88.99	-2,003.64	-3,210.97	2,337.15	2,074.22	262.92	8.889		
11,500.00	7,137.53	11,673.32	7,097.00	134.03	134.45	-89.01	-2,003.43	-3,310.95	2,339.00	2,070.57	268.42	8.714		
11,600.00	7,137.72	11,773.30	7,097.82	136.80	137.19	-89.03	-2,003.23	-3,410.92	2,340.84	2,066.91	273.93	8.545		
11,700.00	7,137.92	11,873.28	7,098.65	139.57	139.94	-89.04	-2,003.02	-3,510.90	2,342.69	2,063.24	279.45	8.383		
11,800.00	7,138.11	11,973.26	7,099.47	142.34	142.69	-89.06	-2,002.81	-3,610.88	2,344.54	2,059.56	284.98	8.227		
11,900.00	7,138.30	12,073.24	7,100.30	145.12	145.45	-89.07	-2,002.60	-3,710.85	2,346.39	2,055.87	290.51	8.077		
12,000.00	7,138.50	12,173.22	7,101.13	147.90	148.21	-89.09	-2,002.39	-3,810.83	2,348.24	2,052.18	296.06	7.932		
12,100.00	7,138.69	12,273.20	7,101.95	150.68	150.97	-89.11	-2,002.18	-3,910.81	2,350.09	2,048.48	301.60	7.792		
12,200.00	7,138.88	12,373.18	7,102.78	153.47	153.74	-89.12	-2,001.97	-4,010.79	2,351.94	2,044.78	307.16	7.657		
12,300.00	7,139.08	12,473.16	7,103.60	156.26	156.51	-89.14	-2,001.76	-4,110.76	2,353.78	2,041.06	312.72	7.527		
12,400.00	7,139.27	12,573.14	7,104.43	159.05	159.29	-89.15	-2,001.55	-4,210.74	2,355.63	2,037.35	318.29	7.401		
12,500.00	7,139.47	12,673.12	7,105.25	161.85	162.06	-89.17	-2,001.34	-4,310.72	2,357.48	2,033.62	323.86	7.279		
12,600.00	7,139.66	12,773.11	7,106.08	164.64	164.84	-89.19	-2,001.13	-4,410.69	2,359.33	2,029.90	329.44	7.162		
12,700.00	7,139.85	12,873.09	7,106.91	167.44	167.63	-89.20	-2,000.92	-4,510.67	2,361.18	2,026.16	335.02	7.048		
12,800.00	7,140.05	12,973.07	7,107.73	170.24	170.41	-89.22	-2,000.72	-4,610.65	2,363.03	2,022.43	340.61	6.938		
12,900.00	7,140.24	13,073.05	7,108.56	173.05	173.20	-89.23	-2,000.51	-4,710.63	2,364.88	2,018.68	346.20	6.831		
13,000.00	7,140.44	13,173.03	7,109.38	175.85	175.99	-89.25	-2,000.30	-4,810.60	2,366.73	2,014.94	351.80	6.728		
13,100.00	7,140.63	13,273.01	7,110.21	178.66	178.78	-89.27	-2,000.09	-4,910.58	2,368.59	2,011.19	357.40	6.627		
13,200.00	7,140.82	13,372.99	7,111.03	181.47	181.58	-89.28	-1,999.88	-5,010.56	2,370.44	2,007.44	363.00	6.530		
13,300.00	7,141.02	13,368.87	7,111.00	184.28	181.46	-89.28	-1,999.89	-5,006.43	2,374.57	2,009.54	365.03	6.505		
13,400.00	7,141.21	13,368.87	7,111.00	187.10	181.46	-89.28	-1,999.89	-5,006.43	2,382.89	2,016.33	366.56	6.501 SF		
13,500.00	7,141.41	13,368.87	7,111.00	189.91	181.46	-89.28	-1,999.89	-5,006.43	2,395.37	2,027.90	367.47	6.519		
13,600.00	7,141.60	13,368.87	7,111.00	192.73	181.46	-89.28	-1,999.89	-5,006.43	2,411.93	2,044.15	367.77	6.558		
13,700.00	7,141.79	13,368.87	7,111.00	195.54	181.46	-89.28	-1,999.89	-5,006.43	2,432.49	2,064.99	367.49	6.619		
13,800.00	7,141.99	13,368.87	7,111.00	198.36	181.46	-89.28	-1,999.89	-5,006.43	2,456.95	2,090.29	366.66	6.701		
13,900.00	7,142.18	13,368.87	7,111.00	201.18	181.46	-89.28	-1,999.89	-5,006.43	2,485.19	2,119.88	365.31	6.803		
14,000.00	7,142.37	13,368.87	7,111.00	204.01	181.46	-89.28	-1,999.89	-5,006.43	2,517.10	2,153.61	363.49	6.925		
14,100.00	7,142.57	13,368.87	7,111.00	206.83	181.46	-89.28	-1,999.89	-5,006.43	2,552.53	2,191.29	361.24	7.066		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	13,368.87	7,111.00	209.65	181.46	-89.28	-1,999.89	-5,006.43	2,591.33	2,232.73	358.60	7.226		
14,300.00	7,142.96	13,368.87	7,111.00	212.48	181.46	-89.28	-1,999.89	-5,006.43	2,633.36	2,277.73	355.63	7.405		
14,400.00	7,143.15	13,368.87	7,111.00	215.30	181.46	-89.28	-1,999.89	-5,006.43	2,678.47	2,326.10	352.36	7.601		
14,500.00	7,143.34	13,368.87	7,111.00	218.13	181.46	-89.28	-1,999.89	-5,006.43	2,726.50	2,377.64	348.86	7.816		
14,600.00	7,143.54	13,368.87	7,111.00	220.96	181.46	-89.28	-1,999.89	-5,006.43	2,777.30	2,432.15	345.15	8.047		
14,700.00	7,143.73	13,368.87	7,111.00	223.79	181.46	-89.28	-1,999.89	-5,006.43	2,830.72	2,489.45	341.27	8.295		
14,800.00	7,143.93	13,368.87	7,111.00	226.62	181.46	-89.28	-1,999.89	-5,006.43	2,886.62	2,549.35	337.27	8.559		
14,838.32	7,144.00	13,368.87	7,111.00	227.70	181.46	-89.28	-1,999.89	-5,006.43	2,908.67	2,572.96	335.71	8.664		
14,900.00	7,144.12	13,368.87	7,111.00	229.45	181.46	-89.29	-1,999.89	-5,006.43	2,944.32	2,611.16	333.16	8.838		
15,000.00	7,144.32	13,368.87	7,111.00	232.26	181.46	-89.30	-1,999.89	-5,006.43	3,001.65	2,672.78	328.86	9.127		
15,027.81	7,144.37	13,368.87	7,111.00	233.04	181.46	-89.31	-1,999.89	-5,006.43	3,017.48	2,689.84	327.64	9.210		
15,100.00	7,144.51	13,368.87	7,111.00	235.07	181.46	-89.31	-1,999.89	-5,006.43	3,059.09	2,734.67	324.42	9.429		
15,200.00	7,144.71	13,368.87	7,111.00	237.87	181.46	-89.31	-1,999.89	-5,006.43	3,118.58	2,798.64	319.94	9.747		
15,300.00	7,144.91	13,368.87	7,111.00	240.68	181.46	-89.31	-1,999.89	-5,006.43	3,180.11	2,864.66	315.44	10.081		
15,400.00	7,145.10	13,368.87	7,111.00	243.48	181.46	-89.31	-1,999.89	-5,006.43	3,243.55	2,932.59	310.95	10.431		
15,500.00	7,145.30	13,368.87	7,111.00	246.29	181.46	-89.31	-1,999.89	-5,006.43	3,308.79	3,002.31	306.48	10.796		
15,600.00	7,145.50	13,368.87	7,111.00	249.10	181.46	-89.31	-1,999.89	-5,006.43	3,375.74	3,073.69	302.05	11.176		
15,700.00	7,145.69	13,368.87	7,111.00	251.91	181.46	-89.31	-1,999.89	-5,006.43	3,444.29	3,146.61	297.67	11.571		
15,800.00	7,145.89	13,368.87	7,111.00	254.71	181.46	-89.31	-1,999.89	-5,006.43	3,514.35	3,220.99	293.36	11.980		
15,900.00	7,146.09	13,368.87	7,111.00	257.52	181.46	-89.31	-1,999.89	-5,006.43	3,585.82	3,296.72	289.11	12.403		
16,000.00	7,146.28	13,368.87	7,111.00	260.34	181.46	-89.31	-1,999.89	-5,006.43	3,658.64	3,373.70	284.94	12.840		
16,100.00	7,146.48	13,368.87	7,111.00	263.15	181.46	-89.31	-1,999.89	-5,006.43	3,732.71	3,451.86	280.86	13.291		
16,200.00	7,146.68	13,368.87	7,111.00	265.96	181.46	-89.31	-1,999.89	-5,006.43	3,807.97	3,531.11	276.86	13.754		
16,300.00	7,146.87	13,368.87	7,111.00	268.77	181.46	-89.31	-1,999.89	-5,006.43	3,884.35	3,611.39	272.95	14.231		
16,400.00	7,147.07	13,368.87	7,111.00	271.58	181.46	-89.31	-1,999.89	-5,006.43	3,961.78	3,692.63	269.14	14.720		
16,500.00	7,147.27	13,368.87	7,111.00	274.40	181.46	-89.31	-1,999.89	-5,006.43	4,040.20	3,774.77	265.43	15.221		
16,600.00	7,147.46	13,368.87	7,111.00	277.21	181.46	-89.31	-1,999.89	-5,006.43	4,119.55	3,857.74	261.81	15.735		
16,700.00	7,147.66	13,368.87	7,111.00	280.03	181.46	-89.31	-1,999.89	-5,006.43	4,199.79	3,941.50	258.29	16.260		
16,800.00	7,147.86	13,368.87	7,111.00	282.84	181.46	-89.31	-1,999.89	-5,006.43	4,280.85	4,025.99	254.86	16.797		
16,900.00	7,148.05	13,368.87	7,111.00	285.66	181.46	-89.31	-1,999.89	-5,006.43	4,362.71	4,111.18	251.53	17.344		
17,000.00	7,148.25	13,368.87	7,111.00	288.48	181.46	-89.31	-1,999.89	-5,006.43	4,445.30	4,197.01	248.30	17.903		
17,100.00	7,148.45	13,368.87	7,111.00	291.29	181.46	-89.31	-1,999.89	-5,006.43	4,528.60	4,283.45	245.15	18.472		
17,200.00	7,148.64	13,368.87	7,111.00	294.11	181.46	-89.31	-1,999.89	-5,006.43	4,612.56	4,370.46	242.10	19.052		
17,300.00	7,148.84	13,368.87	7,111.00	296.93	181.46	-89.31	-1,999.89	-5,006.43	4,697.15	4,458.01	239.14	19.642		
17,400.00	7,149.04	13,368.87	7,111.00	299.75	181.46	-89.31	-1,999.89	-5,006.43	4,782.34	4,546.07	236.27	20.241		
17,500.00	7,149.23	13,368.87	7,111.00	302.57	181.46	-89.31	-1,999.89	-5,006.43	4,868.09	4,634.61	233.48	20.850		
17,600.00	7,149.43	13,368.87	7,111.00	305.39	181.46	-89.31	-1,999.89	-5,006.43	4,954.37	4,723.60	230.77	21.469		
17,700.00	7,149.63	13,368.87	7,111.00	308.21	181.46	-89.31	-1,999.89	-5,006.43	5,041.16	4,813.01	228.15	22.096		
17,800.00	7,149.82	13,368.87	7,111.00	311.03	181.46	-89.31	-1,999.89	-5,006.43	5,128.43	4,902.83	225.60	22.732		
17,900.00	7,150.02	13,368.87	7,111.00	313.85	181.46	-89.31	-1,999.89	-5,006.43	5,216.16	4,993.02	223.14	23.377		
18,000.00	7,150.22	13,368.87	7,111.00	316.67	181.46	-89.31	-1,999.89	-5,006.43	5,304.32	5,083.58	220.74	24.029		
18,100.00	7,150.41	13,368.87	7,111.00	319.49	181.46	-89.31	-1,999.89	-5,006.43	5,392.90	5,174.48	218.42	24.690		
18,200.00	7,150.61	13,368.87	7,111.00	322.32	181.46	-89.31	-1,999.89	-5,006.43	5,481.87	5,265.70	216.17	25.359		
18,300.00	7,150.81	13,368.87	7,111.00	325.14	181.46	-89.31	-1,999.89	-5,006.43	5,571.21	5,357.22	213.98	26.036		
18,400.00	7,151.00	13,368.87	7,111.00	327.96	181.46	-89.31	-1,999.89	-5,006.43	5,660.91	5,449.04	211.87	26.719		
18,500.00	7,151.20	13,368.87	7,111.00	330.78	181.46	-89.31	-1,999.89	-5,006.43	5,750.95	5,541.13	209.81	27.410		
18,600.00	7,151.40	13,368.87	7,111.00	333.61	181.46	-89.31	-1,999.89	-5,006.43	5,841.31	5,633.49	207.82	28.108		
18,700.00	7,151.59	13,368.87	7,111.00	336.43	181.46	-89.31	-1,999.89	-5,006.43	5,931.98	5,726.10	205.88	28.812		
18,800.00	7,151.79	13,368.87	7,111.00	339.26	181.46	-89.31	-1,999.89	-5,006.43	6,022.95	5,818.94	204.01	29.523		
18,906.26	7,152.00	13,368.87	7,111.00	342.26	181.46	-89.31	-1,999.89	-5,006.43	6,119.92	5,917.85	202.07	30.285		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.50	-225.14	-1.95	225.15					
100.00	100.00	100.00	100.00	3.28	3.28	-179.50	-225.14	-1.95	225.15	218.58	6.57	34.273		
200.00	200.00	200.00	200.00	3.34	3.34	-179.50	-225.14	-1.95	225.15	218.48	6.67	33.735 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	100.92	-225.14	-1.95	225.47	218.59	6.89	32.735		
400.00	399.84	393.24	393.22	3.60	3.58	101.92	-226.52	-1.31	227.97	220.78	7.19	31.704		
500.00	499.45	486.21	486.08	3.81	3.76	103.24	-230.63	0.60	234.21	226.62	7.58	30.881		
600.00	598.70	578.67	578.23	4.06	3.97	104.80	-237.43	3.75	244.28	236.23	8.06	30.315		
700.00	697.47	670.39	669.36	4.34	4.21	106.48	-246.83	8.11	258.29	249.69	8.60	30.037		
785.50	781.43	748.08	746.25	4.61	4.43	107.94	-256.87	12.77	273.41	264.31	9.11	30.026		
800.00	795.63	761.18	759.19	4.66	4.47	108.23	-258.74	13.64	276.26	267.06	9.20	30.042		
900.00	893.55	851.16	847.77	5.02	4.76	109.92	-273.09	20.29	297.49	287.66	9.83	30.257		
1,000.00	991.47	940.36	935.04	5.40	5.08	111.06	-289.80	28.04	321.37	310.88	10.50	30.617		
1,100.00	1,089.39	1,028.62	1,020.79	5.80	5.42	111.76	-308.75	36.83	347.72	336.53	11.19	31.069		
1,200.00	1,187.31	1,115.78	1,104.80	6.21	5.79	112.10	-329.80	46.59	376.41	364.51	11.90	31.620		
1,300.00	1,285.22	1,201.70	1,186.89	6.64	6.17	112.14	-352.82	57.26	407.36	394.73	12.63	32.255		
1,400.00	1,383.14	1,286.27	1,266.90	7.08	6.57	111.96	-377.64	68.78	440.50	427.14	13.36	32.962		
1,500.00	1,481.06	1,369.37	1,344.71	7.52	6.99	111.61	-404.11	81.05	475.81	461.71	14.10	33.738		
1,600.00	1,578.98	1,450.90	1,420.19	7.98	7.43	111.14	-432.06	94.01	513.25	498.41	14.84	34.582		
1,700.00	1,676.90	1,530.78	1,493.27	8.44	7.88	110.57	-461.32	107.59	552.79	537.21	15.58	35.489		
1,800.00	1,774.82	1,608.94	1,563.87	8.90	8.35	109.95	-491.73	121.69	594.40	578.10	16.30	36.459		
1,900.00	1,872.74	1,708.57	1,637.49	9.37	8.98	109.25	-525.49	137.34	637.87	620.69	17.18	37.128		
2,000.00	1,970.66	1,781.02	1,717.30	9.84	9.46	108.56	-562.42	154.47	681.72	663.75	17.97	37.942		
2,100.00	2,068.57	1,870.61	1,797.10	10.32	10.05	107.96	-599.36	171.60	725.63	706.77	18.86	38.475		
2,200.00	2,166.49	1,960.20	1,876.91	10.80	10.66	107.42	-636.30	188.73	769.61	749.84	19.76	38.939		
2,300.00	2,264.41	2,049.79	1,956.71	11.28	11.28	106.94	-673.23	205.86	813.63	792.95	20.68	39.344		
2,400.00	2,362.33	2,139.39	2,036.52	11.76	11.91	106.51	-710.17	222.99	857.69	836.09	21.60	39.701		
2,500.00	2,460.25	2,228.98	2,116.32	12.24	12.54	106.13	-747.11	240.12	901.79	879.26	22.54	40.016		
2,600.00	2,558.17	2,318.57	2,196.13	12.73	13.18	105.78	-784.04	257.25	945.92	922.45	23.47	40.295		
2,700.00	2,656.09	2,408.16	2,275.93	13.22	13.82	105.46	-820.98	274.38	990.08	965.66	24.42	40.544		
2,800.00	2,754.01	2,502.25	2,355.74	13.71	14.50	105.16	-857.92	291.51	1,034.26	1,008.86	25.40	40.723		
2,900.00	2,851.92	2,587.34	2,435.54	14.20	15.12	104.89	-894.85	308.64	1,078.46	1,052.13	26.33	40.966		
3,000.00	2,949.84	2,676.94	2,515.35	14.69	15.78	104.65	-931.79	325.77	1,122.67	1,095.39	27.29	41.145		
3,100.00	3,047.76	2,766.53	2,595.15	15.18	16.44	104.42	-968.73	342.90	1,166.91	1,138.66	28.25	41.307		
3,200.00	3,145.68	2,856.12	2,674.96	15.67	17.10	104.20	-1,005.66	360.03	1,211.15	1,181.94	29.22	41.454		
3,300.00	3,243.60	2,945.71	2,754.76	16.17	17.76	104.01	-1,042.60	377.16	1,255.41	1,225.22	30.19	41.588		
3,400.00	3,341.52	3,035.30	2,834.57	16.66	18.42	103.82	-1,079.54	394.29	1,299.68	1,268.52	31.16	41.709		
3,500.00	3,439.44	3,124.89	2,914.38	17.16	19.09	103.65	-1,116.47	411.42	1,343.96	1,311.82	32.14	41.821		
3,600.00	3,537.36	3,214.48	2,994.18	17.65	19.76	103.49	-1,153.41	428.55	1,388.25	1,355.13	33.11	41.923		
3,700.00	3,635.27	3,304.08	3,073.99	18.15	20.43	103.34	-1,190.35	445.68	1,432.55	1,398.45	34.09	42.017		
3,800.00	3,733.19	3,393.67	3,153.79	18.65	21.10	103.20	-1,227.28	462.81	1,476.85	1,441.77	35.08	42.103		
3,900.00	3,831.11	3,483.26	3,233.60	19.14	21.77	103.06	-1,264.22	479.94	1,521.16	1,485.10	36.06	42.182		
4,000.00	3,929.03	3,572.85	3,313.40	19.64	22.44	102.94	-1,301.16	497.07	1,565.48	1,528.43	37.05	42.256		
4,100.00	4,026.95	3,662.44	3,393.21	20.14	23.12	102.82	-1,338.09	514.20	1,609.80	1,571.77	38.04	42.324		
4,200.00	4,124.87	3,752.03	3,473.01	20.64	23.79	102.71	-1,375.03	531.33	1,654.13	1,615.11	39.02	42.387		
4,300.00	4,222.79	3,841.63	3,552.82	21.14	24.47	102.60	-1,411.97	548.46	1,698.47	1,658.45	40.01	42.446		
4,400.00	4,320.71	3,931.22	3,632.62	21.64	25.14	102.50	-1,448.90	565.59	1,742.81	1,701.80	41.01	42.501		
4,500.00	4,418.62	4,020.81	3,712.43	22.14	25.82	102.40	-1,485.84	582.72	1,787.15	1,745.15	42.00	42.552		
4,600.00	4,516.54	4,110.40	3,792.23	22.64	26.50	102.31	-1,522.78	599.85	1,831.49	1,788.50	42.99	42.599		
4,700.00	4,614.46	4,200.01	3,872.04	23.14	27.18	102.22	-1,559.71	616.97	1,875.84	1,831.86	43.99	42.644		
4,800.00	4,712.38	4,289.58	3,951.84	23.64	27.86	102.14	-1,596.65	634.10	1,920.20	1,875.21	44.98	42.685		
4,900.00	4,810.30	4,379.17	4,031.65	24.14	28.54	102.06	-1,633.59	651.23	1,964.55	1,918.57	45.98	42.724		
5,000.00	4,908.22	4,468.77	4,111.46	24.64	29.22	101.98	-1,670.52	668.36	2,008.91	1,961.93	46.98	42.761		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,558.36	4,191.26	25.14	29.90	101.91	-1,707.46	685.49	2,053.28	2,005.30	47.98	42.796		
5,200.00	5,104.06	4,647.95	4,271.07	25.64	30.58	101.84	-1,744.40	702.62	2,097.64	2,048.66	48.98	42.828		
5,300.00	5,201.97	4,737.54	4,350.87	26.14	31.26	101.77	-1,781.33	719.75	2,142.01	2,092.03	49.98	42.858		
5,400.00	5,299.89	4,827.13	4,430.68	26.64	31.94	101.71	-1,818.27	736.88	2,186.38	2,135.40	50.98	42.887		
5,500.00	5,397.81	4,916.72	4,510.48	27.15	32.62	101.65	-1,855.21	754.01	2,230.75	2,178.77	51.98	42.914		
5,600.00	5,495.73	5,006.31	4,590.29	27.65	33.30	101.59	-1,892.14	771.14	2,275.12	2,222.14	52.98	42.940		
5,700.00	5,593.65	5,104.09	4,670.09	28.15	34.05	101.53	-1,929.08	788.27	2,319.50	2,265.46	54.04	42.924		
5,800.00	5,691.57	5,185.50	4,749.90	28.65	34.67	101.48	-1,966.02	805.40	2,363.87	2,308.88	54.99	42.987		
5,900.00	5,789.49	5,275.09	4,829.70	29.15	35.35	101.42	-2,002.95	822.53	2,408.25	2,352.26	55.99	43.008		
6,000.00	5,887.41	5,364.68	4,909.51	29.66	36.04	101.37	-2,039.89	839.66	2,452.63	2,395.63	57.00	43.029		
6,100.00	5,985.32	5,454.27	4,989.31	30.16	36.72	101.32	-2,076.83	856.79	2,497.02	2,439.01	58.01	43.048		
6,200.00	6,083.24	5,543.86	5,069.12	30.66	37.41	101.28	-2,113.76	873.92	2,541.40	2,482.39	59.01	43.067		
6,300.00	6,181.16	5,633.46	5,148.92	31.16	38.09	101.23	-2,150.70	891.05	2,585.78	2,525.77	60.02	43.084		
6,400.00	6,279.08	5,723.05	5,228.73	31.67	38.77	101.19	-2,187.64	908.18	2,630.17	2,569.14	61.02	43.100		
6,490.03	6,367.24	5,803.71	5,300.58	32.12	39.39	101.15	-2,220.89	923.60	2,670.13	2,608.20	61.93	43.114		
6,500.00	6,377.01	5,812.64	5,308.53	32.17	39.46	102.51	-2,224.57	925.31	2,674.56	2,612.53	62.03	43.116		
6,550.00	6,426.43	5,857.29	5,348.31	32.40	39.80	113.07	-2,242.99	933.85	2,696.73	2,634.22	62.51	43.141		
6,600.00	6,476.27	5,901.54	5,387.72	32.61	40.14	149.76	-2,261.22	942.31	2,718.76	2,655.81	62.95	43.187		
6,650.00	6,526.21	5,945.09	5,426.52	32.80	40.47	-122.08	-2,279.18	950.64	2,740.57	2,677.21	63.36	43.253		
6,700.00	6,575.96	5,987.68	5,464.46	32.98	40.80	-99.24	-2,296.74	958.78	2,762.05	2,698.31	63.75	43.329		
6,750.00	6,625.19	6,029.06	5,501.32	33.16	41.11	-91.27	-2,313.80	966.69	2,783.14	2,719.03	64.12	43.409		
6,800.00	6,673.62	6,068.96	5,536.86	33.35	41.42	-86.78	-2,330.25	974.32	2,803.77	2,739.30	64.47	43.488		
6,850.00	6,720.94	6,107.15	5,570.87	33.55	41.71	-83.64	-2,345.99	981.62	2,823.90	2,759.08	64.82	43.567		
6,900.00	6,766.86	6,143.37	5,603.14	33.76	41.99	-81.19	-2,360.93	988.55	2,843.48	2,778.33	65.15	43.643		
6,950.00	6,811.10	6,177.42	5,633.47	33.98	42.25	-79.16	-2,374.97	995.06	2,862.50	2,797.01	65.48	43.714		
7,000.00	6,853.38	6,209.08	5,661.67	34.23	42.49	-77.40	-2,388.02	1,001.11	2,880.91	2,815.11	65.81	43.778		
7,050.00	6,893.45	6,238.15	5,687.57	34.50	42.71	-75.84	-2,400.00	1,006.67	2,898.71	2,832.58	66.13	43.834		
7,100.00	6,931.05	6,264.46	5,711.00	34.79	42.91	-74.42	-2,410.85	1,011.70	2,915.88	2,849.43	66.45	43.879		
7,150.00	6,965.96	6,287.84	5,731.83	35.12	43.09	-73.11	-2,420.49	1,016.17	2,932.39	2,865.61	66.78	43.910		
7,200.00	6,997.96	6,308.15	5,749.93	35.47	43.25	-71.89	-2,428.87	1,020.05	2,948.24	2,881.12	67.12	43.926		
7,250.00	7,026.85	6,325.27	5,765.17	35.86	43.38	-70.72	-2,435.92	1,023.33	2,963.39	2,895.92	67.47	43.924		
7,300.00	7,052.45	6,339.09	5,777.48	36.29	43.48	-69.61	-2,441.62	1,025.97	2,977.82	2,910.00	67.83	43.903		
7,350.00	7,074.61	6,349.52	5,786.77	36.76	43.56	-68.54	-2,445.92	1,027.96	2,991.51	2,923.31	68.20	43.862		
7,400.00	7,093.19	6,356.50	5,792.99	37.27	43.62	-67.50	-2,448.80	1,029.30	3,004.40	2,935.81	68.59	43.801		
7,450.00	7,108.07	6,359.99	5,796.10	37.81	43.64	-66.50	-2,450.24	1,029.96	3,016.47	2,947.47	68.99	43.721		
7,500.00	7,119.17	6,359.96	5,796.07	38.39	43.64	-65.53	-2,450.23	1,029.96	3,027.65	2,958.24	69.41	43.623		
7,550.00	7,126.41	6,356.42	5,792.92	38.99	43.62	-64.60	-2,448.76	1,029.28	3,037.88	2,968.06	69.82	43.508		
7,600.00	7,129.75	6,349.39	5,786.65	39.62	43.56	-63.71	-2,445.86	1,027.94	3,047.11	2,976.86	70.24	43.381		
7,616.41	7,130.00	6,346.32	5,783.92	39.83	43.54	-63.43	-2,444.60	1,027.35	3,049.90	2,979.52	70.38	43.337		
7,700.00	7,130.16	6,329.78	5,769.18	40.97	43.41	-63.12	-2,437.78	1,024.19	3,064.91	2,993.79	71.12	43.095		
7,800.00	7,130.35	6,309.98	5,751.55	42.46	43.26	-62.75	-2,429.62	1,020.40	3,085.62	3,013.51	72.11	42.788		
7,900.00	7,130.55	6,309.82	5,733.92	44.09	43.26	-62.38	-2,421.46	1,016.62	3,109.29	3,035.97	73.32	42.407		
8,000.00	7,130.74	6,270.39	5,716.28	45.84	42.96	-62.01	-2,413.30	1,012.83	3,135.84	3,061.48	74.37	42.167		
8,100.00	7,130.94	6,250.59	5,698.65	47.70	42.81	-61.65	-2,405.13	1,009.05	3,165.21	3,089.63	75.58	41.878		
8,200.00	7,131.13	6,230.80	5,681.02	49.65	42.66	-61.28	-2,396.97	1,005.26	3,197.32	3,120.48	76.83	41.615		
8,300.00	7,131.32	6,211.00	5,663.38	51.70	42.50	-60.91	-2,388.81	1,001.48	3,232.08	3,153.97	78.10	41.382		
8,400.00	7,131.52	6,208.80	5,645.75	53.81	42.49	-60.54	-2,380.65	997.69	3,269.41	3,189.92	79.48	41.133		
8,500.00	7,131.71	6,171.41	5,628.12	55.99	42.20	-60.18	-2,372.49	993.91	3,309.22	3,228.56	80.66	41.029		
8,600.00	7,131.90	6,151.61	5,610.48	58.24	42.05	-59.81	-2,364.33	990.12	3,351.43	3,269.51	81.92	40.912		
8,700.00	7,132.10	9,400.06	7,238.29	60.53	66.36	-91.80	-3,107.92	-514.55	3,386.88	3,262.53	124.36	27.236		
8,800.00	7,132.29	9,500.08	7,238.87	62.87	68.35	-91.80	-3,107.66	-614.53	3,388.70	3,259.79	128.91	26.287		
8,900.00	7,132.49	9,600.09	7,239.45	65.25	70.41	-91.81	-3,107.39	-714.51	3,390.52	3,256.96	133.56	25.386		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,700.11	7,240.03	67.68	72.56	-91.82	-3,107.13	-814.49	3,392.34	3,254.05	138.29	24.531		
9,100.00	7,132.87	9,800.13	7,240.61	70.13	74.76	-91.82	-3,106.87	-914.47	3,394.16	3,251.07	143.09	23.721		
9,200.00	7,133.07	9,900.14	7,241.19	72.61	77.02	-91.83	-3,106.61	-1,014.45	3,395.97	3,248.02	147.96	22.953		
9,300.00	7,133.26	10,000.16	7,241.78	75.13	79.33	-91.83	-3,106.35	-1,114.44	3,397.79	3,244.91	152.88	22.225		
9,400.00	7,133.46	10,100.18	7,242.36	77.66	81.68	-91.84	-3,106.09	-1,214.42	3,399.61	3,241.75	157.86	21.536		
9,500.00	7,133.65	10,200.20	7,242.94	80.22	84.07	-91.84	-3,105.83	-1,314.40	3,401.43	3,238.54	162.89	20.882		
9,600.00	7,133.84	10,300.21	7,243.52	82.80	86.50	-91.85	-3,105.57	-1,414.38	3,403.25	3,235.29	167.96	20.262		
9,700.00	7,134.04	10,400.23	7,244.10	85.40	88.95	-91.85	-3,105.30	-1,514.36	3,405.07	3,232.00	173.07	19.674		
9,800.00	7,134.23	10,500.25	7,244.68	88.01	91.43	-91.86	-3,105.04	-1,614.34	3,406.89	3,228.66	178.22	19.116		
9,900.00	7,134.43	10,600.26	7,245.26	90.64	93.94	-91.87	-3,104.78	-1,714.32	3,408.71	3,225.30	183.41	18.586		
10,000.00	7,134.62	10,700.28	7,245.84	93.28	96.47	-91.87	-3,104.52	-1,814.30	3,410.52	3,221.90	188.62	18.081		
10,100.00	7,134.81	10,800.30	7,246.42	95.94	99.02	-91.88	-3,104.26	-1,914.28	3,412.34	3,218.48	193.86	17.602		
10,200.00	7,135.01	10,900.32	7,247.00	98.61	101.58	-91.88	-3,104.00	-2,014.26	3,414.16	3,215.03	199.13	17.145		
10,300.00	7,135.20	11,000.33	7,247.58	101.28	104.17	-91.89	-3,103.74	-2,114.24	3,415.98	3,211.55	204.43	16.710		
10,400.00	7,135.39	11,100.35	7,248.17	103.97	106.77	-91.89	-3,103.48	-2,214.23	3,417.80	3,208.05	209.75	16.295		
10,500.00	7,135.59	11,200.37	7,248.75	106.67	109.38	-91.90	-3,103.22	-2,314.21	3,419.62	3,204.54	215.08	15.899		
10,600.00	7,135.78	11,300.38	7,249.33	109.38	112.01	-91.90	-3,102.95	-2,414.19	3,421.44	3,201.00	220.44	15.521		
10,700.00	7,135.98	11,400.40	7,249.91	112.09	114.65	-91.91	-3,102.69	-2,514.17	3,423.26	3,197.44	225.81	15.160		
10,800.00	7,136.17	11,500.42	7,250.49	114.81	117.30	-91.92	-3,102.43	-2,614.15	3,425.08	3,193.87	231.21	14.814		
10,900.00	7,136.36	11,600.44	7,251.07	117.54	119.96	-91.92	-3,102.17	-2,714.13	3,426.89	3,190.28	236.61	14.483		
11,000.00	7,136.56	11,700.45	7,251.65	120.28	122.63	-91.93	-3,101.91	-2,814.11	3,428.71	3,186.68	242.03	14.166		
11,100.00	7,136.75	11,800.47	7,252.23	123.02	125.31	-91.93	-3,101.65	-2,914.09	3,430.53	3,183.06	247.47	13.862		
11,200.00	7,136.95	11,900.49	7,252.81	125.76	128.00	-91.94	-3,101.39	-3,014.07	3,432.35	3,179.43	252.92	13.571		
11,300.00	7,137.14	12,000.50	7,253.39	128.52	130.69	-91.94	-3,101.13	-3,114.05	3,434.17	3,175.79	258.38	13.291		
11,400.00	7,137.33	12,100.52	7,253.97	131.27	133.40	-91.95	-3,100.86	-3,214.03	3,435.99	3,172.14	263.85	13.023		
11,500.00	7,137.53	12,200.54	7,254.56	134.03	136.11	-91.95	-3,100.60	-3,314.01	3,437.81	3,168.48	269.33	12.764		
11,600.00	7,137.72	12,300.55	7,255.14	136.80	138.82	-91.96	-3,100.34	-3,414.00	3,439.63	3,164.81	274.82	12.516		
11,700.00	7,137.92	12,400.57	7,255.72	139.57	141.54	-91.96	-3,100.08	-3,513.98	3,441.45	3,161.13	280.32	12.277		
11,800.00	7,138.11	12,500.59	7,256.30	142.34	144.27	-91.97	-3,099.82	-3,613.96	3,443.27	3,157.44	285.83	12.047		
11,900.00	7,138.30	12,600.61	7,256.88	145.12	147.01	-91.97	-3,099.56	-3,713.94	3,445.09	3,153.74	291.35	11.825		
12,000.00	7,138.50	12,700.62	7,257.46	147.90	149.74	-91.98	-3,099.30	-3,813.92	3,446.91	3,150.04	296.87	11.611		
12,100.00	7,138.69	12,800.64	7,258.04	150.68	152.49	-91.99	-3,099.04	-3,913.90	3,448.73	3,146.32	302.40	11.404		
12,200.00	7,138.88	12,900.66	7,258.62	153.47	155.23	-91.99	-3,098.78	-4,013.88	3,450.54	3,142.60	307.94	11.205		
12,300.00	7,139.08	13,000.67	7,259.20	156.26	157.99	-92.00	-3,098.51	-4,113.86	3,452.36	3,138.88	313.49	11.013		
12,400.00	7,139.27	13,100.69	7,259.78	159.05	160.74	-92.00	-3,098.25	-4,213.84	3,454.18	3,135.14	319.04	10.827		
12,500.00	7,139.47	13,199.29	7,260.36	161.85	163.46	-92.01	-3,097.99	-4,313.82	3,456.00	3,131.44	324.56	10.648		
12,600.00	7,139.66	13,300.73	7,260.95	164.64	166.26	-92.01	-3,097.73	-4,413.80	3,457.82	3,127.66	330.16	10.473		
12,700.00	7,139.85	13,399.26	7,261.53	167.44	168.99	-92.02	-3,097.47	-4,513.79	3,459.64	3,123.95	335.69	10.306		
12,800.00	7,140.05	13,480.77	7,262.00	170.24	171.24	-92.02	-3,097.26	-4,595.30	3,461.51	3,120.83	340.69	10.160		
12,900.00	7,140.24	13,480.77	7,262.00	173.05	171.24	-92.02	-3,097.26	-4,595.30	3,465.31	3,122.32	342.99	10.103		
13,000.00	7,140.44	13,480.77	7,262.00	175.85	171.24	-92.02	-3,097.26	-4,595.30	3,471.98	3,126.97	345.01	10.063		
13,100.00	7,140.63	13,480.77	7,262.00	178.66	171.24	-92.02	-3,097.26	-4,595.30	3,481.51	3,134.75	346.77	10.040		
13,200.00	7,140.82	13,480.77	7,262.00	181.47	171.24	-92.02	-3,097.26	-4,595.30	3,493.88	3,145.64	348.25	10.033 SF		
13,300.00	7,141.02	13,480.77	7,262.00	184.28	171.24	-92.02	-3,097.26	-4,595.30	3,509.06	3,159.61	349.45	10.042		
13,400.00	7,141.21	13,480.77	7,262.00	187.10	171.24	-92.02	-3,097.26	-4,595.30	3,527.01	3,176.62	350.39	10.066		
13,500.00	7,141.41	13,480.77	7,262.00	189.91	171.24	-92.02	-3,097.26	-4,595.30	3,547.69	3,196.62	351.07	10.105		
13,600.00	7,141.60	13,480.77	7,262.00	192.73	171.24	-92.02	-3,097.26	-4,595.30	3,571.05	3,219.55	351.49	10.160		
13,700.00	7,141.79	13,480.77	7,262.00	195.54	171.24	-92.02	-3,097.26	-4,595.30	3,597.04	3,245.37	351.67	10.228		
13,800.00	7,141.99	13,480.77	7,262.00	198.36	171.24	-92.02	-3,097.26	-4,595.30	3,625.60	3,273.99	351.61	10.311		
13,900.00	7,142.18	13,480.77	7,262.00	201.18	171.24	-92.02	-3,097.26	-4,595.30	3,656.67	3,305.34	351.33	10.408		
14,000.00	7,142.37	13,480.77	7,262.00	204.01	171.24	-92.02	-3,097.26	-4,595.30	3,690.20	3,339.36	350.84	10.518		
14,100.00	7,142.57	13,480.77	7,262.00	206.83	171.24	-92.02	-3,097.26	-4,595.30	3,726.10	3,375.96	350.15	10.642		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	13,480.77	7,262.00	209.65	171.24	-92.02	-3,097.26	-4,595.30	3,764.32	3,415.06	349.27	10.778		
14,300.00	7,142.96	13,480.77	7,262.00	212.48	171.24	-92.02	-3,097.26	-4,595.30	3,804.79	3,456.57	348.22	10.927		
14,400.00	7,143.15	13,480.77	7,262.00	215.30	171.24	-92.02	-3,097.26	-4,595.30	3,847.43	3,500.42	347.01	11.087		
14,500.00	7,143.34	13,480.77	7,262.00	218.13	171.24	-92.02	-3,097.26	-4,595.30	3,892.17	3,546.52	345.65	11.260		
14,600.00	7,143.54	13,480.77	7,262.00	220.96	171.24	-92.02	-3,097.26	-4,595.30	3,938.95	3,594.78	344.16	11.445		
14,700.00	7,143.73	13,480.77	7,262.00	223.79	171.24	-92.02	-3,097.26	-4,595.30	3,987.68	3,645.12	342.56	11.641		
14,800.00	7,143.93	13,480.77	7,262.00	226.62	171.24	-92.02	-3,097.26	-4,595.30	4,038.30	3,697.46	340.84	11.848		
14,838.32	7,144.00	13,480.77	7,262.00	227.70	171.24	-92.02	-3,097.26	-4,595.30	4,058.18	3,718.02	340.16	11.930		
14,900.00	7,144.12	13,480.77	7,262.00	229.45	171.24	-91.99	-3,097.26	-4,595.30	4,090.18	3,751.15	339.03	12.064		
15,000.00	7,144.32	13,480.77	7,262.00	232.26	171.24	-91.95	-3,097.26	-4,595.30	4,141.08	3,804.00	337.07	12.285		
15,027.81	7,144.37	13,480.77	7,262.00	233.04	171.24	-91.94	-3,097.26	-4,595.30	4,155.02	3,818.51	336.51	12.348		
15,100.00	7,144.51	13,480.77	7,262.00	235.07	171.24	-91.94	-3,097.26	-4,595.30	4,191.55	3,856.55	335.00	12.512		
15,200.00	7,144.71	13,480.77	7,262.00	237.87	171.24	-91.94	-3,097.26	-4,595.30	4,243.67	3,910.82	332.85	12.750		
15,300.00	7,144.91	13,480.77	7,262.00	240.68	171.24	-91.94	-3,097.26	-4,595.30	4,297.48	3,966.85	330.63	12.998		
15,400.00	7,145.10	13,480.77	7,262.00	243.48	171.24	-91.94	-3,097.26	-4,595.30	4,352.93	4,024.56	328.36	13.256		
15,500.00	7,145.30	13,480.77	7,262.00	246.29	171.24	-91.94	-3,097.26	-4,595.30	4,409.94	4,083.89	326.05	13.525		
15,600.00	7,145.50	13,480.77	7,262.00	249.10	171.24	-91.94	-3,097.26	-4,595.30	4,468.47	4,144.77	323.70	13.804		
15,700.00	7,145.69	13,480.77	7,262.00	251.91	171.24	-91.94	-3,097.26	-4,595.30	4,528.45	4,207.13	321.32	14.093		
15,800.00	7,145.89	13,480.77	7,262.00	254.71	171.24	-91.94	-3,097.26	-4,595.30	4,589.82	4,270.90	318.92	14.392		
15,900.00	7,146.09	13,480.77	7,262.00	257.52	171.24	-91.94	-3,097.26	-4,595.30	4,652.53	4,336.03	316.50	14.700		
16,000.00	7,146.28	13,480.77	7,262.00	260.34	171.24	-91.94	-3,097.26	-4,595.30	4,716.53	4,402.46	314.07	15.017		
16,100.00	7,146.48	13,480.77	7,262.00	263.15	171.24	-91.94	-3,097.26	-4,595.30	4,781.77	4,470.12	311.64	15.344		
16,200.00	7,146.68	13,480.77	7,262.00	265.96	171.24	-91.94	-3,097.26	-4,595.30	4,848.19	4,538.97	309.22	15.679		
16,300.00	7,146.87	13,480.77	7,262.00	268.77	171.24	-91.94	-3,097.26	-4,595.30	4,915.74	4,608.95	306.80	16.023		
16,400.00	7,147.07	13,480.77	7,262.00	271.58	171.24	-91.94	-3,097.26	-4,595.30	4,984.39	4,680.00	304.39	16.375		
16,500.00	7,147.27	13,480.77	7,262.00	274.40	171.24	-91.94	-3,097.26	-4,595.30	5,054.08	4,752.09	301.99	16.736		
16,600.00	7,147.46	13,480.77	7,262.00	277.21	171.24	-91.94	-3,097.26	-4,595.30	5,124.78	4,825.16	299.62	17.104		
16,700.00	7,147.66	13,480.77	7,262.00	280.03	171.24	-91.94	-3,097.26	-4,595.30	5,196.44	4,899.18	297.26	17.481		
16,800.00	7,147.86	13,480.77	7,262.00	282.84	171.24	-91.94	-3,097.26	-4,595.30	5,269.02	4,974.09	294.93	17.865		
16,900.00	7,148.05	13,480.77	7,262.00	285.66	171.24	-91.94	-3,097.26	-4,595.30	5,342.49	5,049.87	292.63	18.257		
17,000.00	7,148.25	13,480.77	7,262.00	288.48	171.24	-91.94	-3,097.26	-4,595.30	5,416.81	5,126.46	290.35	18.656		
17,100.00	7,148.45	13,480.77	7,262.00	291.29	171.24	-91.94	-3,097.26	-4,595.30	5,491.95	5,203.85	288.10	19.063		
17,200.00	7,148.64	13,480.77	7,262.00	294.11	171.24	-91.94	-3,097.26	-4,595.30	5,567.86	5,281.98	285.88	19.476		
17,300.00	7,148.84	13,480.77	7,262.00	296.93	171.24	-91.94	-3,097.26	-4,595.30	5,644.53	5,360.83	283.70	19.896		
17,400.00	7,149.04	13,480.77	7,262.00	299.75	171.24	-91.94	-3,097.26	-4,595.30	5,721.92	5,440.37	281.55	20.323		
17,500.00	7,149.23	13,480.77	7,262.00	302.57	171.24	-91.94	-3,097.26	-4,595.30	5,800.00	5,520.56	279.43	20.756		
17,600.00	7,149.43	13,480.77	7,262.00	305.39	171.24	-91.94	-3,097.26	-4,595.30	5,878.74	5,601.39	277.35	21.196		
17,700.00	7,149.63	13,480.77	7,262.00	308.21	171.24	-91.94	-3,097.26	-4,595.30	5,958.12	5,682.82	275.30	21.642		
17,800.00	7,149.82	13,480.77	7,262.00	311.03	171.24	-91.94	-3,097.26	-4,595.30	6,038.11	5,764.82	273.29	22.094		
17,900.00	7,150.02	13,480.77	7,262.00	313.85	171.24	-91.94	-3,097.26	-4,595.30	6,118.69	5,847.38	271.32	22.552		
18,000.00	7,150.22	13,480.77	7,262.00	316.67	171.24	-91.94	-3,097.26	-4,595.30	6,199.84	5,930.46	269.38	23.015		
18,100.00	7,150.41	13,480.77	7,262.00	319.49	171.24	-91.94	-3,097.26	-4,595.30	6,281.53	6,014.06	267.48	23.484		
18,200.00	7,150.61	13,480.77	7,262.00	322.32	171.24	-91.94	-3,097.26	-4,595.30	6,363.75	6,098.14	265.61	23.959		
18,300.00	7,150.81	13,480.77	7,262.00	325.14	171.24	-91.94	-3,097.26	-4,595.30	6,446.46	6,182.68	263.78	24.439		
18,400.00	7,151.00	13,480.77	7,262.00	327.96	171.24	-91.94	-3,097.26	-4,595.30	6,529.66	6,267.68	261.98	24.924		
18,500.00	7,151.20	13,480.77	7,262.00	330.78	171.24	-91.94	-3,097.26	-4,595.30	6,613.33	6,353.10	260.23	25.414		
18,600.00	7,151.40	13,480.77	7,262.00	333.61	171.24	-91.94	-3,097.26	-4,595.30	6,697.44	6,438.94	258.50	25.909		
18,700.00	7,151.59	13,480.77	7,262.00	336.43	171.24	-91.94	-3,097.26	-4,595.30	6,781.99	6,525.18	256.81	26.408		
18,800.00	7,151.79	13,480.77	7,262.00	339.26	171.24	-91.94	-3,097.26	-4,595.30	6,866.95	6,611.79	255.16	26.913		
18,906.26	7,152.00	13,480.77	7,262.00	342.26	171.24	-91.94	-3,097.26	-4,595.30	6,957.67	6,704.23	253.44	27.453		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.55	-210.20	-1.67	210.21					
100.00	100.00	100.00	100.00	3.28	3.28	-179.55	-210.20	-1.67	210.21	203.64	6.57	31.999		
200.00	200.00	200.00	200.00	3.34	3.34	-179.55	-210.20	-1.67	210.21	203.54	6.67	31.497 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	100.92	-210.20	-1.67	210.53	203.65	6.89	30.566		
400.00	399.84	393.74	393.72	3.60	3.59	101.97	-211.58	-0.98	213.02	205.83	7.19	29.622		
500.00	499.45	487.22	487.08	3.81	3.76	103.37	-215.68	1.06	219.23	211.64	7.59	28.899		
600.00	598.70	580.20	579.75	4.06	3.97	105.00	-222.46	4.44	229.24	221.18	8.06	28.439		
700.00	697.47	672.47	671.42	4.34	4.21	106.74	-231.84	9.12	243.16	234.56	8.60	28.264		
785.50	781.43	750.65	748.79	4.61	4.44	108.23	-241.86	14.12	258.20	249.08	9.11	28.337		
800.00	795.63	763.84	761.81	4.66	4.48	108.53	-243.73	15.06	261.02	251.82	9.20	28.365		
900.00	893.55	854.42	850.96	5.02	4.78	110.21	-258.06	22.20	282.08	272.24	9.84	28.664		
1,000.00	991.47	944.23	938.82	5.40	5.10	111.31	-274.75	30.53	305.74	295.23	10.51	29.092		
1,100.00	1,089.39	1,033.11	1,025.14	5.80	5.44	111.93	-293.69	39.97	331.80	320.59	11.21	29.600		
1,200.00	1,187.31	1,120.90	1,109.72	6.21	5.81	112.17	-314.73	50.47	360.16	348.23	11.93	30.196		
1,300.00	1,285.22	1,207.47	1,192.37	6.64	6.20	112.11	-337.75	61.95	390.73	378.07	12.66	30.866		
1,400.00	1,383.14	1,292.67	1,272.93	7.08	6.60	111.82	-362.57	74.33	423.48	410.08	13.40	31.602		
1,500.00	1,481.06	1,376.41	1,351.26	7.52	7.03	111.36	-389.05	87.54	458.38	444.23	14.15	32.401		
1,600.00	1,578.98	1,458.56	1,427.24	7.98	7.48	110.78	-417.00	101.48	495.40	480.51	14.89	33.263		
1,700.00	1,676.90	1,539.06	1,500.79	8.44	7.94	110.11	-446.27	116.08	534.53	518.90	15.64	34.184		
1,800.00	1,774.82	1,618.51	1,572.45	8.90	8.42	109.39	-476.96	131.39	575.74	559.36	16.38	35.153		
1,900.00	1,872.74	1,708.87	1,653.48	9.37	8.99	108.60	-512.75	149.24	617.93	600.67	17.25	35.819		
2,000.00	1,970.66	1,800.78	1,734.50	9.84	9.59	107.91	-548.53	167.09	660.19	642.05	18.15	36.377		
2,100.00	2,068.57	1,889.58	1,815.53	10.32	10.18	107.30	-584.32	184.94	702.53	683.49	19.04	36.893		
2,200.00	2,166.49	1,979.94	1,896.56	10.80	10.79	106.77	-620.11	202.79	744.93	724.97	19.96	37.329		
2,300.00	2,264.41	2,070.30	1,977.58	11.28	11.41	106.29	-655.90	220.64	787.37	766.49	20.88	37.712		
2,400.00	2,362.33	2,160.66	2,058.61	11.76	12.03	105.86	-691.69	238.49	829.86	808.05	21.81	38.049		
2,500.00	2,460.25	2,251.02	2,139.63	12.24	12.66	105.47	-727.47	256.34	872.38	849.63	22.75	38.347		
2,600.00	2,558.17	2,341.37	2,220.66	12.73	13.30	105.11	-763.26	274.20	914.93	891.23	23.70	38.612		
2,700.00	2,656.09	2,431.73	2,301.69	13.22	13.94	104.79	-799.05	292.05	957.50	932.86	24.65	38.849		
2,800.00	2,754.01	2,522.09	2,382.71	13.71	14.59	104.50	-834.84	309.90	1,000.10	974.50	25.60	39.062		
2,900.00	2,851.92	2,612.45	2,463.74	14.20	15.23	104.23	-870.62	327.75	1,042.72	1,016.15	26.56	39.253		
3,000.00	2,949.84	2,702.81	2,544.76	14.69	15.89	103.98	-906.41	345.60	1,085.36	1,057.83	27.53	39.425		
3,100.00	3,047.76	2,806.83	2,625.79	15.18	16.64	103.75	-942.20	363.45	1,128.01	1,099.43	28.58	39.468		
3,200.00	3,145.68	2,883.52	2,706.82	15.67	17.20	103.53	-977.99	381.30	1,170.67	1,141.20	29.47	39.723		
3,300.00	3,243.60	2,973.88	2,787.84	16.17	17.86	103.33	-1,013.78	399.15	1,213.35	1,182.90	30.45	39.852		
3,400.00	3,341.52	3,064.24	2,868.87	16.66	18.52	103.15	-1,049.56	417.00	1,256.04	1,224.61	31.42	39.970		
3,500.00	3,439.44	3,154.60	2,949.89	17.16	19.18	102.98	-1,085.35	434.85	1,298.74	1,266.33	32.41	40.078		
3,600.00	3,537.36	3,244.96	3,030.92	17.65	19.85	102.81	-1,121.14	452.70	1,341.45	1,308.06	33.39	40.178		
3,700.00	3,635.27	3,335.32	3,111.95	18.15	20.51	102.66	-1,156.93	470.56	1,384.16	1,349.79	34.37	40.269		
3,800.00	3,733.19	3,425.67	3,192.97	18.65	21.18	102.52	-1,192.71	488.41	1,426.88	1,391.53	35.36	40.353		
3,900.00	3,831.11	3,516.03	3,274.00	19.14	21.85	102.38	-1,228.50	506.26	1,469.62	1,433.27	36.35	40.431		
4,000.00	3,929.03	3,606.39	3,355.02	19.64	22.51	102.26	-1,264.29	524.11	1,512.35	1,475.01	37.34	40.504		
4,100.00	4,026.95	3,703.25	3,436.05	20.14	23.23	102.14	-1,300.08	541.96	1,555.09	1,516.72	38.37	40.529		
4,200.00	4,124.87	3,787.11	3,517.07	20.64	23.86	102.02	-1,335.87	559.81	1,597.84	1,558.52	39.32	40.633		
4,300.00	4,222.79	3,877.47	3,598.10	21.14	24.53	101.92	-1,371.65	577.66	1,640.60	1,600.28	40.32	40.691		
4,400.00	4,320.71	3,967.82	3,679.13	21.64	25.20	101.81	-1,407.44	595.51	1,683.35	1,642.04	41.31	40.746		
4,500.00	4,418.62	4,058.18	3,760.15	22.14	25.87	101.72	-1,443.23	613.36	1,726.11	1,683.80	42.31	40.796		
4,600.00	4,516.54	4,148.54	3,841.18	22.64	26.55	101.62	-1,479.02	631.21	1,768.88	1,725.57	43.31	40.844		
4,700.00	4,614.46	4,238.90	3,922.20	23.14	27.22	101.54	-1,514.80	649.06	1,811.65	1,767.34	44.31	40.888		
4,800.00	4,712.38	4,329.26	4,003.23	23.64	27.90	101.45	-1,550.59	666.92	1,854.42	1,809.11	45.31	40.930		
4,900.00	4,810.30	4,419.62	4,084.26	24.14	28.57	101.37	-1,586.38	684.77	1,897.20	1,850.89	46.31	40.969		
5,000.00	4,908.22	4,509.97	4,165.28	24.64	29.25	101.30	-1,622.17	702.62	1,939.97	1,892.66	47.31	41.006		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,600.33	4,246.31	25.14	29.92	101.22	-1,657.96	720.47	1,982.75	1,934.44	48.31	41.041		
5,200.00	5,104.06	4,709.31	4,327.33	25.64	30.74	101.15	-1,693.74	738.32	2,025.54	1,976.11	49.43	40.978		
5,300.00	5,201.97	4,781.05	4,408.36	26.14	31.28	101.08	-1,729.53	756.17	2,068.32	2,018.00	50.32	41.104		
5,400.00	5,299.89	4,871.41	4,489.39	26.64	31.95	101.02	-1,765.32	774.02	2,111.11	2,059.79	51.32	41.133		
5,500.00	5,397.81	4,961.77	4,570.41	27.15	32.63	100.96	-1,801.11	791.87	2,153.90	2,101.57	52.33	41.161		
5,600.00	5,495.73	5,052.12	4,651.44	27.65	33.31	100.90	-1,836.89	809.72	2,196.69	2,143.36	53.33	41.187		
5,700.00	5,593.65	5,142.48	4,732.46	28.15	33.99	100.84	-1,872.68	827.57	2,239.49	2,185.15	54.34	41.212		
5,800.00	5,691.57	5,232.84	4,813.49	28.65	34.67	100.78	-1,908.47	845.43	2,282.28	2,226.94	55.35	41.235		
5,900.00	5,789.49	5,323.20	4,894.52	29.15	35.34	100.73	-1,944.26	863.28	2,325.08	2,268.73	56.36	41.257		
6,000.00	5,887.41	5,413.56	4,975.54	29.66	36.02	100.68	-1,980.05	881.13	2,367.88	2,310.52	57.36	41.278		
6,100.00	5,985.32	5,503.92	5,056.57	30.16	36.70	100.63	-2,015.83	898.98	2,410.68	2,352.31	58.37	41.298		
6,200.00	6,083.24	5,605.73	5,137.59	30.66	37.47	100.58	-2,051.62	916.83	2,453.48	2,394.03	59.45	41.268		
6,300.00	6,181.16	5,684.63	5,218.62	31.16	38.06	100.54	-2,087.41	934.68	2,496.29	2,435.90	60.39	41.335		
6,400.00	6,279.08	5,774.99	5,299.65	31.67	38.74	100.49	-2,123.20	952.53	2,539.09	2,477.69	61.40	41.352		
6,490.03	6,367.24	5,856.34	5,372.60	32.12	39.35	100.45	-2,155.42	968.60	2,577.63	2,515.32	62.31	41.367		
6,500.00	6,377.01	5,865.35	5,380.67	32.17	39.42	101.80	-2,158.98	970.38	2,581.90	2,519.49	62.41	41.369		
6,550.00	6,426.43	5,910.37	5,421.05	32.40	39.76	112.26	-2,176.82	979.28	2,603.31	2,540.42	62.89	41.393		
6,600.00	6,476.27	5,954.97	5,461.03	32.61	40.10	148.86	-2,194.48	988.09	2,624.64	2,561.30	63.34	41.440		
6,650.00	6,526.21	6,001.15	5,500.38	32.80	40.44	-123.06	-2,211.86	996.75	2,645.79	2,582.03	63.76	41.498		
6,700.00	6,575.96	6,041.74	5,538.85	32.98	40.75	-100.30	-2,228.85	1,005.23	2,666.68	2,602.55	64.13	41.585		
6,750.00	6,625.19	6,083.40	5,576.20	33.16	41.06	-92.40	-2,245.34	1,013.46	2,687.24	2,622.74	64.49	41.666		
6,800.00	6,673.62	6,123.54	5,612.20	33.35	41.37	-87.96	-2,261.25	1,021.39	2,707.41	2,642.56	64.85	41.750		
6,850.00	6,720.94	6,161.94	5,646.63	33.55	41.66	-84.88	-2,276.45	1,028.98	2,727.16	2,661.97	65.19	41.833		
6,900.00	6,766.86	6,201.65	5,679.28	33.76	41.95	-82.47	-2,290.87	1,036.17	2,746.44	2,680.90	65.55	41.901		
6,950.00	6,811.10	6,232.55	5,709.95	33.98	42.19	-80.47	-2,304.42	1,042.92	2,765.25	2,699.39	65.85	41.992		
7,000.00	6,853.38	6,264.33	5,738.44	34.23	42.43	-78.73	-2,317.01	1,049.20	2,783.54	2,717.37	66.17	42.065		
7,050.00	6,893.45	6,306.51	5,764.59	34.50	42.74	-77.18	-2,328.55	1,054.96	2,801.32	2,734.75	66.57	42.081		
7,100.00	6,931.05	6,319.85	5,788.23	34.79	42.84	-75.76	-2,338.99	1,060.17	2,818.56	2,751.74	66.81	42.187		
7,150.00	6,965.96	6,343.24	5,809.21	35.12	43.02	-74.43	-2,348.26	1,064.79	2,835.24	2,768.11	67.13	42.232		
7,200.00	6,997.96	6,363.54	5,827.41	35.47	43.17	-73.18	-2,356.30	1,068.80	2,851.36	2,783.89	67.47	42.263		
7,250.00	7,026.85	6,380.60	5,842.71	35.86	43.30	-71.98	-2,363.06	1,072.17	2,866.89	2,799.08	67.81	42.279		
7,300.00	7,052.45	6,405.67	5,855.02	36.29	43.49	-70.82	-2,368.49	1,074.89	2,881.79	2,813.56	68.23	42.236		
7,350.00	7,074.61	6,404.64	5,864.26	36.76	43.48	-69.69	-2,372.58	1,076.92	2,896.05	2,827.52	68.53	42.258		
7,400.00	7,093.19	6,411.46	5,870.38	37.27	43.54	-68.58	-2,375.28	1,078.27	2,909.61	2,840.70	68.91	42.221		
7,450.00	7,108.07	6,414.76	5,873.34	37.81	43.56	-67.50	-2,376.59	1,078.92	2,922.43	2,853.12	69.31	42.166		
7,500.00	7,119.17	6,414.51	5,873.12	38.39	43.56	-66.45	-2,376.49	1,078.87	2,934.45	2,864.74	69.71	42.094		
7,550.00	7,126.41	6,410.72	5,869.72	38.99	43.53	-65.43	-2,374.99	1,078.12	2,945.61	2,875.49	70.12	42.008		
7,600.00	7,129.75	6,403.41	5,863.16	39.62	43.47	-64.44	-2,372.09	1,076.68	2,955.83	2,885.30	70.53	41.910		
7,616.41	7,130.00	6,400.25	5,860.32	39.83	43.45	-64.12	-2,370.84	1,076.05	2,958.97	2,888.31	70.66	41.876		
7,700.00	7,130.16	6,383.20	5,845.04	40.97	43.32	-63.79	-2,364.09	1,072.69	2,975.75	2,904.36	71.38	41.686		
7,800.00	7,130.35	6,362.80	5,826.74	42.46	43.17	-63.40	-2,356.01	1,068.66	2,998.64	2,926.28	72.36	41.443		
7,900.00	7,130.55	6,342.40	5,808.45	44.09	43.01	-63.00	-2,347.93	1,064.63	3,024.52	2,951.11	73.42	41.197		
8,000.00	7,130.74	6,322.01	5,790.16	45.84	42.86	-62.61	-2,339.85	1,060.60	3,053.33	2,978.78	74.55	40.959		
8,100.00	7,130.94	6,301.61	5,771.87	47.70	42.71	-62.22	-2,331.77	1,056.57	3,084.97	3,009.25	75.72	40.739		
8,200.00	7,131.13	6,281.21	5,753.58	49.65	42.55	-61.83	-2,323.69	1,052.54	3,119.37	3,042.44	76.94	40.545		
8,300.00	7,131.32	6,260.82	5,735.29	51.70	42.40	-61.44	-2,315.61	1,048.51	3,156.43	3,078.27	78.16	40.382		
8,400.00	7,131.52	8,876.97	7,074.09	53.81	59.82	-88.96	-2,898.78	-215.97	3,170.40	3,059.09	111.31	28.483		
8,500.00	7,131.71	8,976.95	7,074.61	55.99	61.57	-88.97	-2,898.49	-315.95	3,172.17	3,056.61	115.56	27.451		
8,600.00	7,131.90	9,076.94	7,075.14	58.24	63.44	-88.98	-2,898.19	-415.93	3,173.94	3,054.01	119.93	26.466		
8,700.00	7,132.10	9,176.92	7,075.66	60.53	65.41	-88.98	-2,897.90	-515.91	3,175.71	3,051.30	124.41	25.526		
8,800.00	7,132.29	9,276.90	7,076.18	62.87	67.46	-88.99	-2,897.61	-615.90	3,177.48	3,048.49	128.99	24.634		
8,900.00	7,132.49	9,376.89	7,076.71	65.25	69.59	-89.00	-2,897.32	-715.88	3,179.25	3,045.59	133.66	23.787		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,476.87	7,077.23	67.68	71.79	-89.00	-2,897.02	-815.86	3,181.02	3,042.61	138.40	22.984		
9,100.00	7,132.87	9,576.86	7,077.75	70.13	74.04	-89.01	-2,896.73	-915.84	3,182.79	3,039.57	143.22	22.223		
9,200.00	7,133.07	9,676.84	7,078.28	72.61	76.34	-89.02	-2,896.44	-1,015.82	3,184.56	3,036.45	148.10	21.502		
9,300.00	7,133.26	9,776.82	7,078.80	75.13	78.69	-89.02	-2,896.15	-1,115.81	3,186.33	3,033.28	153.04	20.820		
9,400.00	7,133.46	9,876.81	7,079.32	77.66	81.08	-89.03	-2,895.85	-1,215.79	3,188.10	3,030.06	158.04	20.173		
9,500.00	7,133.65	9,976.79	7,079.84	80.22	83.50	-89.04	-2,895.56	-1,315.77	3,189.87	3,026.79	163.08	19.560		
9,600.00	7,133.84	10,076.77	7,080.37	82.80	85.95	-89.04	-2,895.27	-1,415.75	3,191.64	3,023.47	168.17	18.979		
9,700.00	7,134.04	10,176.76	7,080.89	85.40	88.43	-89.05	-2,894.97	-1,515.73	3,193.41	3,020.11	173.29	18.428		
9,800.00	7,134.23	10,276.74	7,081.41	88.01	90.94	-89.05	-2,894.68	-1,615.71	3,195.18	3,016.72	178.45	17.905		
9,900.00	7,134.43	10,376.73	7,081.94	90.64	93.46	-89.06	-2,894.39	-1,715.70	3,196.95	3,013.30	183.65	17.408		
10,000.00	7,134.62	10,476.71	7,082.46	93.28	96.01	-89.07	-2,894.10	-1,815.68	3,198.72	3,009.84	188.87	16.936		
10,100.00	7,134.81	10,576.69	7,082.98	95.94	98.58	-89.07	-2,893.80	-1,915.66	3,200.49	3,006.36	194.13	16.487		
10,200.00	7,135.01	10,676.68	7,083.51	98.61	101.17	-89.08	-2,893.51	-2,015.64	3,202.26	3,002.85	199.41	16.059		
10,300.00	7,135.20	10,776.66	7,084.03	101.28	103.77	-89.09	-2,893.22	-2,115.62	3,204.03	2,999.32	204.71	15.652		
10,400.00	7,135.39	10,876.64	7,084.55	103.97	106.38	-89.09	-2,892.93	-2,215.61	3,205.80	2,995.76	210.04	15.263		
10,500.00	7,135.59	10,976.63	7,085.07	106.67	109.01	-89.10	-2,892.63	-2,315.59	3,207.57	2,992.18	215.38	14.892		
10,600.00	7,135.78	11,076.61	7,085.60	109.38	111.65	-89.11	-2,892.34	-2,415.57	3,209.34	2,988.59	220.75	14.539		
10,700.00	7,135.98	11,176.59	7,086.12	112.09	114.31	-89.11	-2,892.05	-2,515.55	3,211.11	2,984.98	226.13	14.200		
10,800.00	7,136.17	11,276.58	7,086.64	114.81	116.97	-89.12	-2,891.76	-2,615.53	3,212.88	2,981.35	231.53	13.877		
10,900.00	7,136.36	11,376.56	7,087.17	117.54	119.64	-89.12	-2,891.46	-2,715.52	3,214.65	2,977.70	236.94	13.567		
11,000.00	7,136.56	11,476.55	7,087.69	120.28	122.32	-89.13	-2,891.17	-2,815.50	3,216.42	2,974.05	242.37	13.271		
11,100.00	7,136.75	11,576.53	7,088.21	123.02	125.01	-89.14	-2,890.88	-2,915.48	3,218.19	2,970.37	247.81	12.986		
11,200.00	7,136.95	11,676.51	7,088.74	125.76	127.71	-89.14	-2,890.58	-3,015.46	3,219.96	2,966.69	253.27	12.714		
11,300.00	7,137.14	11,776.50	7,089.26	128.52	130.41	-89.15	-2,890.29	-3,115.44	3,221.73	2,962.99	258.73	12.452		
11,400.00	7,137.33	11,876.48	7,089.78	131.27	133.13	-89.16	-2,890.00	-3,215.43	3,223.50	2,959.29	264.21	12.200		
11,500.00	7,137.53	11,976.46	7,090.30	134.03	135.84	-89.16	-2,889.71	-3,315.41	3,225.27	2,955.57	269.70	11.959		
11,600.00	7,137.72	12,076.45	7,090.83	136.80	138.57	-89.17	-2,889.41	-3,415.39	3,227.04	2,951.84	275.20	11.726		
11,700.00	7,137.92	12,176.43	7,091.35	139.57	141.30	-89.18	-2,889.12	-3,515.37	3,228.81	2,948.11	280.70	11.503		
11,800.00	7,138.11	12,276.42	7,091.87	142.34	144.03	-89.18	-2,888.83	-3,615.35	3,230.58	2,944.36	286.22	11.287		
11,900.00	7,138.30	12,376.40	7,092.40	145.12	146.77	-89.19	-2,888.54	-3,715.33	3,232.35	2,940.61	291.74	11.080		
12,000.00	7,138.50	12,476.38	7,092.92	147.90	149.52	-89.19	-2,888.24	-3,815.32	3,234.12	2,936.85	297.27	10.879		
12,100.00	7,138.69	12,576.37	7,093.44	150.68	152.27	-89.20	-2,887.95	-3,915.30	3,235.89	2,933.09	302.81	10.686		
12,200.00	7,138.88	12,676.35	7,093.96	153.47	155.02	-89.21	-2,887.66	-4,015.28	3,237.67	2,929.31	308.35	10.500		
12,300.00	7,139.08	12,776.33	7,094.49	156.26	157.78	-89.21	-2,887.37	-4,115.26	3,239.44	2,925.53	313.91	10.320		
12,400.00	7,139.27	12,876.32	7,095.01	159.05	160.54	-89.22	-2,887.07	-4,215.24	3,241.21	2,921.74	319.46	10.146		
12,500.00	7,139.47	12,976.30	7,095.53	161.85	163.30	-89.23	-2,886.78	-4,315.23	3,242.98	2,917.95	325.03	9.978		
12,600.00	7,139.66	13,076.29	7,096.06	164.64	166.07	-89.23	-2,886.49	-4,415.21	3,244.75	2,914.15	330.59	9.815		
12,700.00	7,139.85	13,176.27	7,096.58	167.44	168.84	-89.24	-2,886.19	-4,515.19	3,246.52	2,910.35	336.17	9.657		
12,800.00	7,140.05	13,256.62	7,097.00	170.24	171.07	-89.24	-2,885.96	-4,595.54	3,248.35	2,907.22	341.13	9.522		
12,900.00	7,140.24	13,256.62	7,097.00	173.05	171.07	-89.24	-2,885.96	-4,595.54	3,252.26	2,908.85	343.41	9.470		
13,000.00	7,140.44	13,256.62	7,097.00	175.85	171.07	-89.24	-2,885.96	-4,595.54	3,259.24	2,913.86	345.38	9.437		
13,100.00	7,140.63	13,256.62	7,097.00	178.66	171.07	-89.24	-2,885.96	-4,595.54	3,269.26	2,922.23	347.03	9.421 SF		
13,200.00	7,140.82	13,256.62	7,097.00	181.47	171.07	-89.24	-2,885.96	-4,595.54	3,282.30	2,933.92	348.38	9.422		
13,300.00	7,141.02	13,256.62	7,097.00	184.28	171.07	-89.24	-2,885.96	-4,595.54	3,298.32	2,948.91	349.42	9.440		
13,400.00	7,141.21	13,256.62	7,097.00	187.10	171.07	-89.24	-2,885.96	-4,595.54	3,317.28	2,967.13	350.15	9.474		
13,500.00	7,141.41	13,256.62	7,097.00	189.91	171.07	-89.24	-2,885.96	-4,595.54	3,339.13	2,988.54	350.59	9.524		
13,600.00	7,141.60	13,256.62	7,097.00	192.73	171.07	-89.24	-2,885.96	-4,595.54	3,363.81	3,013.06	350.75	9.590		
13,700.00	7,141.79	13,256.62	7,097.00	195.54	171.07	-89.24	-2,885.96	-4,595.54	3,391.26	3,040.63	350.64	9.672		
13,800.00	7,141.99	13,256.62	7,097.00	198.36	171.07	-89.24	-2,885.96	-4,595.54	3,421.42	3,071.15	350.27	9.768		
13,900.00	7,142.18	13,256.62	7,097.00	201.18	171.07	-89.24	-2,885.96	-4,595.54	3,454.21	3,104.55	349.66	9.879		
14,000.00	7,142.37	13,256.62	7,097.00	204.01	171.07	-89.24	-2,885.96	-4,595.54	3,489.55	3,140.74	348.82	10.004		
14,100.00	7,142.57	13,256.62	7,097.00	206.83	171.07	-89.24	-2,885.96	-4,595.54	3,527.38	3,179.61	347.77	10.143		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	13,256.62	7,097.00	209.65	171.07	-89.24	-2,885.96	-4,595.54	3,567.61	3,221.09	346.52	10.296		
14,300.00	7,142.96	13,256.62	7,097.00	212.48	171.07	-89.24	-2,885.96	-4,595.54	3,610.16	3,265.07	345.09	10.461		
14,400.00	7,143.15	13,256.62	7,097.00	215.30	171.07	-89.24	-2,885.96	-4,595.54	3,654.96	3,311.45	343.51	10.640		
14,500.00	7,143.34	13,256.62	7,097.00	218.13	171.07	-89.24	-2,885.96	-4,595.54	3,701.91	3,360.14	341.77	10.831		
14,600.00	7,143.54	13,256.62	7,097.00	220.96	171.07	-89.24	-2,885.96	-4,595.54	3,750.94	3,411.03	339.91	11.035		
14,700.00	7,143.73	13,256.62	7,097.00	223.79	171.07	-89.24	-2,885.96	-4,595.54	3,801.97	3,464.04	337.93	11.251		
14,800.00	7,143.93	13,256.62	7,097.00	226.62	171.07	-89.24	-2,885.96	-4,595.54	3,854.92	3,519.07	335.86	11.478		
14,838.32	7,144.00	13,256.62	7,097.00	227.70	171.07	-89.24	-2,885.96	-4,595.54	3,875.71	3,540.67	335.04	11.568		
14,900.00	7,144.12	13,256.62	7,097.00	229.45	171.07	-89.25	-2,885.96	-4,595.54	3,909.16	3,575.48	333.68	11.715		
15,000.00	7,144.32	13,256.62	7,097.00	232.26	171.07	-89.26	-2,885.96	-4,595.54	3,962.49	3,631.12	331.37	11.958		
15,027.81	7,144.37	13,256.62	7,097.00	233.04	171.07	-89.27	-2,885.96	-4,595.54	3,977.11	3,646.41	330.70	12.026		
15,100.00	7,144.51	13,256.62	7,097.00	235.07	171.07	-89.27	-2,885.96	-4,595.54	4,015.44	3,686.51	328.94	12.207		
15,200.00	7,144.71	13,256.62	7,097.00	237.87	171.07	-89.27	-2,885.96	-4,595.54	4,070.05	3,743.61	326.44	12.468		
15,300.00	7,144.91	13,256.62	7,097.00	240.68	171.07	-89.27	-2,885.96	-4,595.54	4,126.36	3,802.48	323.89	12.740		
15,400.00	7,145.10	13,256.62	7,097.00	243.48	171.07	-89.27	-2,885.96	-4,595.54	4,184.31	3,863.02	321.29	13.023		
15,500.00	7,145.30	13,256.62	7,097.00	246.29	171.07	-89.27	-2,885.96	-4,595.54	4,243.82	3,925.15	318.67	13.317		
15,600.00	7,145.50	13,256.62	7,097.00	249.10	171.07	-89.27	-2,885.96	-4,595.54	4,304.83	3,988.81	316.02	13.622		
15,700.00	7,145.69	13,256.62	7,097.00	251.91	171.07	-89.27	-2,885.96	-4,595.54	4,367.28	4,053.93	313.35	13.937		
15,800.00	7,145.89	13,256.62	7,097.00	254.71	171.07	-89.27	-2,885.96	-4,595.54	4,431.10	4,120.42	310.68	14.263		
15,900.00	7,146.09	13,256.62	7,097.00	257.52	171.07	-89.27	-2,885.96	-4,595.54	4,496.25	4,188.24	308.00	14.598		
16,000.00	7,146.28	13,256.62	7,097.00	260.34	171.07	-89.27	-2,885.96	-4,595.54	4,562.65	4,257.32	305.33	14.943		
16,100.00	7,146.48	13,256.62	7,097.00	263.15	171.07	-89.27	-2,885.96	-4,595.54	4,630.26	4,327.59	302.67	15.298		
16,200.00	7,146.68	13,256.62	7,097.00	265.96	171.07	-89.27	-2,885.96	-4,595.54	4,699.03	4,399.00	300.03	15.662		
16,300.00	7,146.87	13,256.62	7,097.00	268.77	171.07	-89.27	-2,885.96	-4,595.54	4,768.90	4,471.50	297.40	16.035		
16,400.00	7,147.07	13,256.62	7,097.00	271.58	171.07	-89.27	-2,885.96	-4,595.54	4,839.83	4,545.03	294.80	16.417		
16,500.00	7,147.27	13,256.62	7,097.00	274.40	171.07	-89.27	-2,885.96	-4,595.54	4,911.78	4,619.55	292.23	16.808		
16,600.00	7,147.46	13,256.62	7,097.00	277.21	171.07	-89.27	-2,885.96	-4,595.54	4,984.69	4,695.00	289.68	17.207		
16,700.00	7,147.66	13,256.62	7,097.00	280.03	171.07	-89.27	-2,885.96	-4,595.54	5,058.52	4,771.35	287.17	17.615		
16,800.00	7,147.86	13,256.62	7,097.00	282.84	171.07	-89.27	-2,885.96	-4,595.54	5,133.25	4,848.55	284.69	18.031		
16,900.00	7,148.05	13,256.62	7,097.00	285.66	171.07	-89.27	-2,885.96	-4,595.54	5,208.82	4,926.56	282.25	18.454		
17,000.00	7,148.25	13,256.62	7,097.00	288.48	171.07	-89.27	-2,885.96	-4,595.54	5,285.20	5,005.35	279.85	18.886		
17,100.00	7,148.45	13,256.62	7,097.00	291.29	171.07	-89.27	-2,885.96	-4,595.54	5,362.36	5,084.87	277.49	19.325		
17,200.00	7,148.64	13,256.62	7,097.00	294.11	171.07	-89.27	-2,885.96	-4,595.54	5,440.26	5,165.10	275.16	19.771		
17,300.00	7,148.84	13,256.62	7,097.00	296.93	171.07	-89.27	-2,885.96	-4,595.54	5,518.88	5,246.00	272.88	20.225		
17,400.00	7,149.04	13,256.62	7,097.00	299.75	171.07	-89.27	-2,885.96	-4,595.54	5,598.17	5,327.54	270.64	20.685		
17,500.00	7,149.23	13,256.62	7,097.00	302.57	171.07	-89.27	-2,885.96	-4,595.54	5,678.13	5,409.69	268.44	21.153		
17,600.00	7,149.43	13,256.62	7,097.00	305.39	171.07	-89.27	-2,885.96	-4,595.54	5,758.70	5,492.43	266.28	21.627		
17,700.00	7,149.63	13,256.62	7,097.00	308.21	171.07	-89.27	-2,885.96	-4,595.54	5,839.88	5,575.72	264.16	22.107		
17,800.00	7,149.82	13,256.62	7,097.00	311.03	171.07	-89.27	-2,885.96	-4,595.54	5,921.64	5,659.55	262.09	22.594		
17,900.00	7,150.02	13,256.62	7,097.00	313.85	171.07	-89.27	-2,885.96	-4,595.54	6,003.94	5,743.89	260.06	23.087		
18,000.00	7,150.22	13,256.62	7,097.00	316.67	171.07	-89.27	-2,885.96	-4,595.54	6,086.78	5,828.71	258.07	23.586		
18,100.00	7,150.41	13,256.62	7,097.00	319.49	171.07	-89.27	-2,885.96	-4,595.54	6,170.13	5,914.00	256.12	24.091		
18,200.00	7,150.61	13,256.62	7,097.00	322.32	171.07	-89.27	-2,885.96	-4,595.54	6,253.96	5,999.75	254.21	24.601		
18,300.00	7,150.81	13,256.62	7,097.00	325.14	171.07	-89.27	-2,885.96	-4,595.54	6,338.26	6,085.91	252.35	25.117		
18,400.00	7,151.00	13,256.62	7,097.00	327.96	171.07	-89.27	-2,885.96	-4,595.54	6,423.01	6,172.49	250.52	25.639		
18,500.00	7,151.20	13,256.62	7,097.00	330.78	171.07	-89.27	-2,885.96	-4,595.54	6,508.20	6,259.46	248.74	26.165		
18,600.00	7,151.40	13,256.62	7,097.00	333.61	171.07	-89.27	-2,885.96	-4,595.54	6,593.80	6,346.81	246.99	26.697		
18,700.00	7,151.59	13,256.62	7,097.00	336.43	171.07	-89.27	-2,885.96	-4,595.54	6,679.80	6,434.52	245.28	27.233		
18,800.00	7,151.79	13,256.62	7,097.00	339.26	171.07	-89.27	-2,885.96	-4,595.54	6,766.19	6,522.58	243.61	27.775		
18,906.26	7,152.00	13,256.62	7,097.00	342.26	171.07	-89.27	-2,885.96	-4,595.54	6,858.39	6,616.52	241.87	28.355		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	29.87	0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	29.87	0.28	29.87	23.30	6.57	4.547		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	29.87	0.28	29.87	23.20	6.67	4.476 CC		
300.00	299.98	299.56	299.54	3.44	3.44	-79.72	30.58	1.85	30.29	23.40	6.89	4.397		
400.00	399.84	399.11	398.95	3.60	3.60	-80.45	32.73	6.57	31.53	24.33	7.20	4.377		
500.00	499.45	498.64	498.10	3.81	3.81	-81.54	36.30	14.44	33.62	26.01	7.61	4.416		
600.00	598.70	598.13	596.85	4.06	4.05	-82.86	41.30	25.42	36.56	28.45	8.11	4.509		
700.00	697.47	697.58	695.08	4.34	4.34	-84.25	47.70	39.52	40.35	31.67	8.68	4.649		
785.50	781.43	782.57	778.57	4.61	4.61	-85.43	54.29	54.02	44.28	35.06	9.23	4.799		
800.00	795.63	796.98	792.67	4.66	4.65	-85.59	55.51	56.70	45.01	35.69	9.32	4.828		
900.00	893.55	903.30	890.06	5.02	5.03	-85.44	64.38	76.21	50.40	40.34	10.06	5.012		
1,000.00	991.47	996.55	987.55	5.40	5.38	-85.19	73.30	95.85	55.82	45.03	10.79	5.174		
1,100.00	1,089.39	1,103.60	1,085.05	5.80	5.81	-84.98	82.23	115.49	61.25	49.64	11.62	5.273		
1,200.00	1,187.31	1,203.74	1,182.54	6.21	6.23	-84.81	91.16	135.14	66.68	54.23	12.45	5.358		
1,300.00	1,285.22	1,303.89	1,280.03	6.64	6.66	-84.66	100.09	154.78	72.11	58.80	13.30	5.421		
1,400.00	1,383.14	1,404.04	1,377.52	7.08	7.10	-84.53	109.01	174.43	77.53	63.36	14.18	5.468		
1,500.00	1,481.06	1,504.19	1,475.02	7.52	7.55	-84.42	117.94	194.07	82.96	67.89	15.07	5.504		
1,600.00	1,578.98	1,604.33	1,572.51	7.98	8.01	-84.33	126.87	213.72	88.39	72.41	15.98	5.531		
1,700.00	1,676.90	1,704.48	1,670.00	8.44	8.47	-84.24	135.80	233.36	93.82	76.92	16.90	5.551		
1,800.00	1,774.82	1,804.63	1,767.50	8.90	8.94	-84.17	144.72	253.01	99.25	81.42	17.83	5.566		
1,900.00	1,872.74	1,895.22	1,864.99	9.37	9.37	-84.10	153.65	272.65	104.68	85.95	18.73	5.590		
2,000.00	1,970.66	2,004.92	1,962.48	9.84	9.89	-84.04	162.58	292.30	110.11	90.39	19.72	5.584		
2,100.00	2,068.57	2,105.07	2,059.98	10.32	10.37	-83.98	171.51	311.94	115.54	94.87	20.67	5.589		
2,200.00	2,166.49	2,205.22	2,157.47	10.80	10.86	-83.93	180.44	331.58	120.97	99.34	21.63	5.592		
2,300.00	2,264.41	2,305.37	2,254.96	11.28	11.34	-83.89	189.36	351.23	126.40	103.80	22.60	5.594		
2,400.00	2,362.33	2,405.51	2,352.46	11.76	11.83	-83.84	198.29	370.87	131.83	108.27	23.56	5.595		
2,500.00	2,460.25	2,494.34	2,449.95	12.24	12.26	-83.80	207.22	390.52	137.26	112.78	24.48	5.607		
2,600.00	2,558.17	2,605.81	2,547.44	12.73	12.81	-83.77	216.15	410.16	142.69	117.18	25.51	5.593		
2,700.00	2,656.09	2,694.04	2,644.93	13.22	13.24	-83.73	225.07	429.81	148.12	121.69	26.43	5.604		
2,800.00	2,754.01	2,806.10	2,742.43	13.71	13.80	-83.70	234.00	449.45	153.55	126.08	27.47	5.590		
2,900.00	2,851.92	2,906.25	2,839.92	14.20	14.29	-83.67	242.93	469.10	158.98	130.53	28.45	5.588		
3,000.00	2,949.84	2,993.60	2,937.41	14.69	14.72	-83.65	251.86	488.74	164.41	135.04	29.37	5.597		
3,100.00	3,047.76	3,093.45	3,034.91	15.18	15.22	-83.62	260.78	508.38	169.84	139.48	30.36	5.594		
3,200.00	3,145.68	3,206.69	3,132.40	15.67	15.78	-83.60	269.71	528.03	175.27	143.86	31.41	5.579		
3,300.00	3,243.60	3,306.84	3,229.89	16.17	16.28	-83.58	278.64	547.67	180.70	148.30	32.40	5.576		
3,400.00	3,341.52	3,406.99	3,327.39	16.66	16.78	-83.55	287.57	567.32	186.13	152.74	33.40	5.573		
3,500.00	3,439.44	3,507.14	3,424.88	17.16	17.28	-83.54	296.50	586.96	191.56	157.17	34.39	5.570		
3,600.00	3,537.36	3,607.28	3,522.37	17.65	17.78	-83.52	305.42	606.61	197.00	161.61	35.38	5.567		
3,700.00	3,635.27	3,707.43	3,619.87	18.15	18.28	-83.50	314.35	626.25	202.43	166.05	36.38	5.564		
3,800.00	3,733.19	3,807.58	3,717.36	18.65	18.79	-83.48	323.28	645.90	207.86	170.48	37.38	5.561		
3,900.00	3,831.11	3,907.73	3,814.85	19.14	19.29	-83.47	332.21	665.54	213.29	174.91	38.37	5.558		
4,000.00	3,929.03	4,007.88	3,912.34	19.64	19.79	-83.45	341.13	685.19	218.72	179.34	39.37	5.555		
4,100.00	4,026.95	4,108.02	4,009.84	20.14	20.29	-83.44	350.06	704.83	224.15	183.78	40.37	5.552		
4,200.00	4,124.87	4,208.17	4,107.33	20.64	20.80	-83.42	358.99	724.47	229.58	188.21	41.37	5.549		
4,300.00	4,222.79	4,291.68	4,204.82	21.14	21.22	-83.41	367.92	744.12	235.01	192.72	42.29	5.557		
4,400.00	4,320.71	4,408.47	4,302.32	21.64	21.81	-83.40	376.84	763.76	240.44	197.07	43.37	5.543		
4,500.00	4,418.62	4,508.61	4,399.81	22.14	22.31	-83.39	385.77	783.41	245.87	201.49	44.38	5.541		
4,600.00	4,516.54	4,608.76	4,497.30	22.64	22.82	-83.37	394.70	803.05	251.30	205.92	45.38	5.538		
4,700.00	4,614.46	4,708.91	4,594.80	23.14	23.32	-83.36	403.63	822.70	256.73	210.35	46.38	5.535		
4,800.00	4,712.38	4,809.06	4,692.29	23.64	23.83	-83.35	412.55	842.34	262.16	214.78	47.39	5.533		
4,900.00	4,810.30	4,909.20	4,789.78	24.14	24.33	-83.34	421.48	861.99	267.59	219.20	48.39	5.530		
5,000.00	4,908.22	5,009.35	4,887.27	24.64	24.84	-83.33	430.41	881.63	273.02	223.63	49.39	5.527		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,109.50	4,984.77	25.14	25.34	-83.32	439.34	901.27	278.46	228.06	50.40	5.525		
5,200.00	5,104.06	5,209.65	5,082.26	25.64	25.85	-83.31	448.27	920.92	283.89	232.48	51.40	5.523		
5,300.00	5,201.97	5,309.79	5,179.75	26.14	26.36	-83.31	457.19	940.56	289.32	236.91	52.41	5.520		
5,400.00	5,299.89	5,409.94	5,277.25	26.64	26.86	-83.30	466.12	960.21	294.75	241.33	53.42	5.518		
5,500.00	5,397.81	5,489.91	5,374.74	27.15	27.27	-83.29	475.05	979.85	300.18	245.86	54.32	5.526		
5,600.00	5,495.73	5,589.76	5,472.23	27.65	27.77	-83.28	483.98	999.50	305.61	250.28	55.33	5.524		
5,700.00	5,593.65	5,689.62	5,569.73	28.15	28.28	-83.27	492.90	1,019.14	311.04	254.71	56.33	5.522		
5,800.00	5,691.57	5,789.47	5,667.22	28.65	28.78	-83.27	501.83	1,038.79	316.47	259.13	57.34	5.519		
5,900.00	5,789.49	5,889.32	5,764.71	29.15	29.29	-83.26	510.76	1,058.43	321.90	263.56	58.34	5.517		
6,000.00	5,887.41	5,989.17	5,862.21	29.66	29.80	-83.25	519.69	1,078.08	327.33	267.98	59.35	5.515		
6,100.00	5,985.32	6,089.03	5,959.70	30.16	30.30	-83.25	528.61	1,097.72	332.76	272.41	60.36	5.513		
6,200.00	6,083.24	6,188.88	6,057.19	30.66	30.81	-83.24	537.54	1,117.36	338.19	276.83	61.36	5.511		
6,300.00	6,181.16	6,288.73	6,154.68	31.16	31.31	-83.23	546.47	1,137.01	343.62	281.26	62.37	5.510		
6,400.00	6,279.08	6,388.58	6,252.18	31.67	31.82	-83.23	555.40	1,156.65	349.06	285.68	63.38	5.508		
6,490.03	6,367.24	6,478.48	6,339.95	32.12	32.28	-83.22	563.44	1,174.34	353.95	289.66	64.28	5.506		
6,500.00	6,377.01	6,488.44	6,349.67	32.17	32.33	-82.33	564.33	1,176.30	354.48	290.10	64.38	5.506		
6,550.00	6,426.43	6,538.28	6,398.34	32.40	32.58	-73.70	568.78	1,186.10	356.98	292.12	64.86	5.504		
6,600.00	6,476.27	6,587.78	6,446.67	32.61	32.83	-38.19	573.21	1,195.84	359.25	293.94	65.31	5.501		
6,650.00	6,526.21	6,636.54	6,494.29	32.80	33.08	49.45	577.57	1,205.39	361.48	295.77	65.71	5.501		
6,700.00	6,575.96	6,685.09	6,542.10	32.98	33.30	72.07	581.95	1,212.50	363.94	297.86	66.08	5.507		
6,750.00	6,625.19	6,734.53	6,591.20	33.16	33.51	79.93	586.45	1,215.97	366.68	300.23	66.44	5.519		
6,800.00	6,673.62	6,784.93	6,641.37	33.35	33.71	84.42	591.05	1,215.55	369.67	302.87	66.80	5.534		
6,850.00	6,720.94	6,836.34	6,692.35	33.55	33.89	87.63	595.73	1,211.03	372.88	305.73	67.15	5.553		
6,900.00	6,766.86	6,888.81	6,743.84	33.76	34.08	90.21	600.45	1,202.16	376.28	308.79	67.49	5.575		
6,950.00	6,811.10	6,942.38	6,795.48	33.98	34.28	92.42	605.20	1,188.75	379.82	311.99	67.82	5.600		
7,000.00	6,853.38	6,997.11	6,846.87	34.23	34.49	94.38	609.92	1,170.61	383.44	315.30	68.14	5.628		
7,050.00	6,893.45	7,053.01	6,897.57	34.50	34.72	96.15	614.58	1,147.56	387.09	318.66	68.43	5.657		
7,100.00	6,931.05	7,110.10	6,947.06	34.79	34.98	97.76	619.14	1,119.51	390.69	322.00	68.69	5.688		
7,150.00	6,965.96	7,168.39	6,994.81	35.12	35.27	99.23	623.54	1,086.40	394.18	325.23	68.95	5.717		
7,200.00	6,997.96	7,227.86	7,040.20	35.47	35.59	100.56	627.72	1,048.25	397.48	328.27	69.21	5.743		
7,250.00	7,026.85	7,288.47	7,082.61	35.86	35.95	101.76	631.64	1,005.16	400.51	331.01	69.49	5.763		
7,300.00	7,052.45	7,350.15	7,121.39	36.29	36.37	102.83	635.22	957.36	403.20	333.35	69.85	5.772		
7,350.00	7,074.61	7,412.82	7,155.89	36.76	36.86	103.77	638.42	905.16	405.47	335.15	70.32	5.766		
7,400.00	7,093.19	7,476.37	7,185.47	37.27	37.40	104.57	641.17	849.02	407.27	336.34	70.94	5.741		
7,450.00	7,108.07	7,540.65	7,209.58	37.81	38.02	105.23	643.41	789.51	408.54	336.81	71.74	5.695		
7,500.00	7,119.17	7,605.49	7,227.72	38.39	38.70	105.74	645.11	727.30	409.23	336.49	72.75	5.626		
7,550.00	7,126.41	7,670.72	7,239.52	38.99	39.44	106.11	646.24	663.19	409.31	335.34	73.97	5.533		
7,600.00	7,129.75	7,736.15	7,244.74	39.62	40.23	106.32	646.75	598.00	408.75	333.35	75.40	5.421		
7,616.41	7,130.00	7,757.62	7,244.99	39.83	40.49	106.35	646.79	576.53	408.43	332.53	75.90	5.381		
7,700.00	7,130.16	7,840.18	7,245.15	40.97	41.60	106.42	646.86	493.97	406.84	328.81	78.03	5.214		
7,800.00	7,130.35	7,940.16	7,245.33	42.46	43.05	106.50	646.93	393.99	404.92	324.08	80.84	5.009		
7,900.00	7,130.55	8,040.14	7,245.51	44.09	44.64	106.57	647.01	294.01	403.01	319.09	83.92	4.802		
8,000.00	7,130.74	8,140.12	7,245.68	45.84	46.35	106.65	647.09	194.03	401.10	313.87	87.23	4.598		
8,100.00	7,130.94	8,240.10	7,245.86	47.70	48.18	106.73	647.16	94.05	399.18	308.43	90.75	4.399		
8,200.00	7,131.13	8,340.08	7,246.04	49.65	50.10	106.81	647.24	-5.93	397.27	302.82	94.45	4.206		
8,300.00	7,131.32	8,440.07	7,246.21	51.70	52.10	106.89	647.32	-105.91	395.36	297.04	98.32	4.021		
8,400.00	7,131.52	8,540.05	7,246.39	53.81	54.19	106.98	647.40	-205.89	393.45	291.12	102.33	3.845		
8,500.00	7,131.71	8,640.03	7,246.57	55.99	56.34	107.06	647.47	-305.87	391.55	285.08	106.47	3.678		
8,600.00	7,131.90	8,740.01	7,246.74	58.24	58.55	107.14	647.55	-405.85	389.64	278.93	110.71	3.519		
8,700.00	7,132.10	8,839.99	7,246.92	60.53	60.82	107.23	647.63	-505.83	387.73	272.67	115.06	3.370		
8,800.00	7,132.29	8,939.97	7,247.10	62.87	63.14	107.31	647.71	-605.81	385.82	266.34	119.49	3.229		
8,900.00	7,132.49	9,039.95	7,247.28	65.25	65.50	107.40	647.78	-705.79	383.92	259.92	124.00	3.096		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,139.93	7,247.45	67.68	67.90	107.49	647.86	-805.77	382.02	253.44	128.57	2.971		
9,100.00	7,132.87	9,239.91	7,247.63	70.13	70.33	107.57	647.94	-905.75	380.11	246.90	133.21	2.854		
9,200.00	7,133.07	9,339.89	7,247.81	72.61	72.79	107.66	648.02	-1,005.73	378.21	240.31	137.90	2.743		
9,300.00	7,133.26	9,439.87	7,247.98	75.13	75.29	107.75	648.09	-1,105.71	376.31	233.67	142.63	2.638		
9,400.00	7,133.46	9,539.85	7,248.16	77.66	77.80	107.84	648.17	-1,205.69	374.41	226.99	147.41	2.540		
9,500.00	7,133.65	9,639.83	7,248.34	80.22	80.34	107.93	648.25	-1,305.67	372.51	220.28	152.23	2.447		
9,600.00	7,133.84	9,739.81	7,248.52	82.80	82.90	108.03	648.33	-1,405.65	370.61	213.53	157.08	2.359		
9,700.00	7,134.04	9,839.79	7,248.69	85.40	85.48	108.12	648.40	-1,505.63	368.71	206.75	161.96	2.277		
9,800.00	7,134.23	9,939.77	7,248.87	88.01	88.08	108.21	648.48	-1,605.61	366.81	199.95	166.86	2.198		
9,900.00	7,134.43	10,039.75	7,249.05	90.64	90.69	108.31	648.56	-1,705.59	364.92	193.13	171.79	2.124		
10,000.00	7,134.62	10,139.73	7,249.22	93.28	93.32	108.40	648.64	-1,805.57	363.02	186.29	176.74	2.054		
10,100.00	7,134.81	10,239.71	7,249.40	95.94	95.96	108.50	648.71	-1,905.55	361.13	179.43	181.70	1.987		
10,200.00	7,135.01	10,339.69	7,249.58	98.61	98.62	108.60	648.79	-2,005.53	359.24	172.55	186.68	1.924		
10,300.00	7,135.20	10,439.67	7,249.76	101.28	101.28	108.70	648.87	-2,105.51	357.34	165.67	191.68	1.864		
10,400.00	7,135.39	10,539.65	7,249.93	103.97	103.96	108.80	648.95	-2,205.49	355.45	158.77	196.69	1.807		
10,500.00	7,135.59	10,639.63	7,250.11	106.67	106.64	108.90	649.02	-2,305.47	353.56	151.86	201.71	1.753		
10,600.00	7,135.78	10,739.61	7,250.29	109.38	109.33	109.00	649.10	-2,405.45	351.68	144.94	206.73	1.701		
10,700.00	7,135.98	10,839.59	7,250.46	112.09	112.04	109.11	649.18	-2,505.43	349.79	138.02	211.77	1.652		
10,800.00	7,136.17	10,939.57	7,250.64	114.81	114.75	109.21	649.26	-2,605.41	347.90	131.09	216.81	1.605		
10,900.00	7,136.36	11,039.55	7,250.82	117.54	117.46	109.32	649.33	-2,705.39	346.02	124.16	221.86	1.560		
11,000.00	7,136.56	11,139.53	7,251.00	120.28	120.19	109.42	649.41	-2,805.37	344.13	117.23	226.91	1.517		
11,100.00	7,136.75	11,239.51	7,251.17	123.02	122.91	109.53	649.49	-2,905.35	342.25	110.29	231.96	1.475 Level 3		
11,200.00	7,136.95	11,339.49	7,251.35	125.76	125.65	109.64	649.57	-3,005.33	340.37	103.35	237.02	1.436 Level 3		
11,300.00	7,137.14	11,439.47	7,251.53	128.52	128.39	109.75	649.64	-3,105.31	338.49	96.42	242.07	1.398 Level 3		
11,400.00	7,137.33	11,539.45	7,251.70	131.27	131.14	109.86	649.72	-3,205.29	336.61	89.48	247.13	1.362 Level 3		
11,500.00	7,137.53	11,639.43	7,251.88	134.03	133.89	109.98	649.80	-3,305.27	334.73	82.55	252.19	1.327 Level 3		
11,600.00	7,137.72	11,739.41	7,252.06	136.80	136.64	110.09	649.88	-3,405.25	332.86	75.61	257.24	1.294 Level 3		
11,700.00	7,137.92	11,839.39	7,252.24	139.57	139.40	110.21	649.95	-3,505.23	330.98	68.68	262.30	1.262 Level 3		
11,800.00	7,138.11	11,939.37	7,252.41	142.34	142.16	110.32	650.03	-3,605.21	329.11	61.76	267.35	1.231 Level 2		
11,900.00	7,138.30	12,039.35	7,252.59	145.12	144.93	110.44	650.11	-3,705.19	327.24	54.84	272.40	1.201 Level 2		
12,000.00	7,138.50	12,139.33	7,252.77	147.90	147.70	110.56	650.19	-3,805.17	325.37	47.92	277.44	1.173 Level 2		
12,100.00	7,138.69	12,239.31	7,252.94	150.68	150.47	110.68	650.26	-3,905.15	323.50	41.02	282.48	1.145 Level 2		
12,200.00	7,138.88	12,339.29	7,253.12	153.47	153.25	110.81	650.34	-4,005.13	321.63	34.11	287.52	1.119 Level 2		
12,300.00	7,139.08	12,439.27	7,253.30	156.26	156.03	110.93	650.42	-4,105.11	319.76	27.22	292.54	1.093 Level 2		
12,400.00	7,139.27	12,539.25	7,253.48	159.05	158.81	111.06	650.50	-4,205.09	317.90	20.33	297.57	1.068 Level 2		
12,500.00	7,139.47	12,639.23	7,253.65	161.85	161.60	111.18	650.57	-4,305.07	316.04	13.45	302.58	1.044 Level 2		
12,600.00	7,139.66	12,739.21	7,253.83	164.64	164.39	111.31	650.65	-4,405.05	314.17	6.58	307.59	1.021 Level 2		
12,700.00	7,139.85	12,839.19	7,254.01	167.44	167.18	111.44	650.73	-4,505.03	312.31	-0.28	312.59	0.999 Level 1		
12,800.00	7,140.05	12,939.17	7,254.18	170.24	169.97	111.57	650.81	-4,605.01	310.46	-7.13	317.58	0.978 Level 1		
12,900.00	7,140.24	13,039.15	7,254.36	173.05	172.77	111.70	650.88	-4,704.99	308.60	-13.96	322.56	0.957 Level 1		
13,000.00	7,140.44	13,139.13	7,254.54	175.85	175.56	111.84	650.96	-4,804.97	306.74	-20.79	327.54	0.937 Level 1		
13,100.00	7,140.63	13,239.11	7,254.72	178.66	178.36	111.98	651.04	-4,904.95	304.89	-27.61	332.50	0.917 Level 1		
13,200.00	7,140.82	13,339.09	7,254.89	181.47	181.16	112.11	651.12	-5,004.93	303.04	-34.41	337.45	0.898 Level 1		
13,300.00	7,141.02	13,439.07	7,255.07	184.28	183.97	112.25	651.19	-5,104.91	301.19	-41.20	342.39	0.880 Level 1		
13,400.00	7,141.21	13,539.05	7,255.25	187.10	186.77	112.39	651.27	-5,204.89	299.34	-47.98	347.32	0.862 Level 1		
13,500.00	7,141.41	13,639.03	7,255.42	189.91	189.58	112.54	651.35	-5,304.87	297.50	-54.74	352.24	0.845 Level 1		
13,600.00	7,141.60	13,739.01	7,255.60	192.73	192.38	112.68	651.42	-5,404.85	295.65	-61.49	357.14	0.828 Level 1		
13,700.00	7,141.79	13,838.99	7,255.78	195.54	195.19	112.83	651.50	-5,504.83	293.81	-68.23	362.03	0.812 Level 1		
13,800.00	7,141.99	13,938.98	7,255.96	198.36	198.00	112.98	651.58	-5,604.81	291.97	-74.94	366.91	0.796 Level 1		
13,900.00	7,142.18	14,038.96	7,256.13	201.18	200.82	113.13	651.66	-5,704.79	290.13	-81.64	371.77	0.780 Level 1		
14,000.00	7,142.37	14,138.94	7,256.31	204.01	203.63	113.28	651.73	-5,804.77	288.29	-88.33	376.62	0.765 Level 1		
14,100.00	7,142.57	14,238.92	7,256.49	206.83	206.44	113.44	651.81	-5,904.75	286.46	-95.00	381.45	0.751 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,338.90	7,256.66	209.65	209.26	113.59	651.89	-6,004.73	284.63	-101.64	386.27	0.737 Level 1		
14,300.00	7,142.96	14,438.88	7,256.84	212.48	212.08	113.75	651.97	-6,104.71	282.80	-108.27	391.07	0.723 Level 1		
14,400.00	7,143.15	14,538.86	7,257.02	215.30	214.90	113.91	652.04	-6,204.69	280.97	-114.88	395.85	0.710 Level 1		
14,500.00	7,143.34	14,638.84	7,257.20	218.13	217.72	114.07	652.12	-6,304.67	279.14	-121.48	400.62	0.697 Level 1		
14,600.00	7,143.54	14,738.82	7,257.37	220.96	220.54	114.24	652.20	-6,404.65	277.32	-128.05	405.36	0.684 Level 1		
14,700.00	7,143.73	14,838.80	7,257.55	223.79	223.36	114.40	652.28	-6,504.63	275.50	-134.59	410.09	0.672 Level 1		
14,800.00	7,143.93	14,938.78	7,257.73	226.62	226.18	114.57	652.35	-6,604.61	273.68	-141.12	414.80	0.660 Level 1		
14,838.32	7,144.00	14,977.09	7,257.79	227.70	227.26	114.64	652.38	-6,642.93	272.98	-143.61	416.60	0.655 Level 1		
14,895.59	7,144.11	15,034.36	7,257.90	229.32	228.88	114.68	652.43	-6,700.19	272.46	-146.97	419.43	0.650 Level 1		
14,900.00	7,144.12	15,038.77	7,257.90	229.45	229.00	114.68	652.43	-6,704.60	272.47	-147.19	419.66	0.649 Level 1		
15,000.00	7,144.32	15,138.74	7,258.08	232.26	231.83	114.53	652.51	-6,804.58	274.19	-151.16	425.36	0.645 Level 1		
15,027.81	7,144.37	15,166.53	7,258.13	233.04	232.61	114.44	652.53	-6,832.36	275.24	-151.86	427.10	0.644 Level 1, SF		
15,100.00	7,144.51	15,238.64	7,258.26	235.07	234.65	114.15	652.59	-6,904.48	278.27	-153.43	431.71	0.645 Level 1		
15,200.00	7,144.71	15,338.53	7,258.43	237.87	237.47	113.77	652.66	-7,004.37	282.49	-155.58	438.07	0.645 Level 1		
15,300.00	7,144.91	15,438.43	7,258.61	240.68	240.30	113.39	652.74	-7,104.26	286.72	-157.68	444.40	0.645 Level 1		
15,400.00	7,145.10	15,538.32	7,258.79	243.48	243.12	113.03	652.82	-7,204.16	290.96	-159.76	450.72	0.646 Level 1		
15,500.00	7,145.30	15,638.21	7,258.97	246.29	245.95	112.67	652.90	-7,304.05	295.21	-161.80	457.02	0.646 Level 1		
15,600.00	7,145.50	15,738.11	7,259.14	249.10	248.77	112.33	652.97	-7,403.94	299.47	-163.82	463.29	0.646 Level 1		
15,700.00	7,145.69	15,838.00	7,259.32	251.91	251.60	111.99	653.05	-7,503.83	303.75	-165.80	469.55	0.647 Level 1		
15,800.00	7,145.89	15,937.89	7,259.50	254.71	254.43	111.67	653.13	-7,603.73	308.03	-167.75	475.79	0.647 Level 1		
15,900.00	7,146.09	16,037.79	7,259.67	257.52	257.26	111.35	653.21	-7,703.62	312.33	-169.68	482.01	0.648 Level 1		
16,000.00	7,146.28	16,137.68	7,259.85	260.34	260.09	111.04	653.28	-7,803.51	316.63	-171.59	488.21	0.649 Level 1		
16,100.00	7,146.48	16,237.57	7,260.03	263.15	262.92	110.75	653.36	-7,903.41	320.94	-173.46	494.40	0.649 Level 1		
16,200.00	7,146.68	16,337.47	7,260.20	265.96	265.75	110.45	653.44	-8,003.30	325.26	-175.32	500.58	0.650 Level 1		
16,300.00	7,146.87	16,437.36	7,260.38	268.77	268.58	110.17	653.52	-8,103.19	329.59	-177.15	506.74	0.650 Level 1		
16,400.00	7,147.07	16,537.25	7,260.56	271.58	271.41	109.89	653.59	-8,203.09	333.92	-178.96	512.88	0.651 Level 1		
16,500.00	7,147.27	16,637.15	7,260.74	274.40	274.24	109.62	653.67	-8,302.98	338.27	-180.75	519.01	0.652 Level 1		
16,600.00	7,147.46	16,737.04	7,260.91	277.21	277.07	109.36	653.75	-8,402.87	342.62	-182.51	525.13	0.652 Level 1		
16,700.00	7,147.66	16,836.93	7,261.09	280.03	279.91	109.11	653.82	-8,502.76	346.98	-184.26	531.24	0.653 Level 1		
16,800.00	7,147.86	16,936.82	7,261.27	282.84	282.74	108.86	653.90	-8,602.66	351.34	-185.99	537.33	0.654 Level 1		
16,900.00	7,148.05	17,036.72	7,261.44	285.66	285.57	108.61	653.98	-8,702.55	355.71	-187.71	543.42	0.655 Level 1		
17,000.00	7,148.25	17,136.61	7,261.62	288.48	288.41	108.37	654.06	-8,802.44	360.09	-189.40	549.49	0.655 Level 1		
17,100.00	7,148.45	17,236.50	7,261.80	291.29	291.24	108.14	654.13	-8,902.34	364.47	-191.08	555.55	0.656 Level 1		
17,200.00	7,148.64	17,336.40	7,261.97	294.11	294.08	107.92	654.21	-9,002.23	368.86	-192.74	561.60	0.657 Level 1		
17,300.00	7,148.84	17,436.29	7,262.15	296.93	296.91	107.70	654.29	-9,102.12	373.26	-194.39	567.65	0.658 Level 1		
17,400.00	7,149.04	17,536.18	7,262.33	299.75	299.75	107.48	654.37	-9,202.01	377.66	-196.02	573.68	0.658 Level 1		
17,500.00	7,149.23	17,636.08	7,262.50	302.57	302.59	107.27	654.44	-9,301.91	382.06	-197.64	579.70	0.659 Level 1		
17,600.00	7,149.43	17,735.97	7,262.68	305.39	305.42	107.06	654.52	-9,401.80	386.47	-199.24	585.72	0.660 Level 1		
17,700.00	7,149.63	17,835.86	7,262.86	308.21	308.26	106.86	654.60	-9,501.69	390.89	-200.83	591.72	0.661 Level 1		
17,800.00	7,149.82	17,935.76	7,263.04	311.03	311.10	106.66	654.68	-9,601.59	395.31	-202.41	597.72	0.661 Level 1		
17,900.00	7,150.02	18,035.65	7,263.21	313.85	313.94	106.47	654.75	-9,701.48	399.73	-203.98	603.71	0.662 Level 1		
18,000.00	7,150.22	18,135.54	7,263.39	316.67	316.77	106.28	654.83	-9,801.37	404.16	-205.53	609.70	0.663 Level 1		
18,100.00	7,150.41	18,235.44	7,263.57	319.49	319.61	106.10	654.91	-9,901.27	408.60	-207.07	615.67	0.664 Level 1		
18,200.00	7,150.61	18,335.33	7,263.74	322.32	322.45	105.92	654.99	-10,001.16	413.03	-208.61	621.64	0.664 Level 1		
18,300.00	7,150.81	18,435.22	7,263.92	325.14	325.29	105.74	655.06	-10,101.05	417.48	-210.13	627.60	0.665 Level 1		
18,400.00	7,151.00	18,535.11	7,264.10	327.96	328.13	105.57	655.14	-10,200.94	421.92	-211.64	633.56	0.666 Level 1		
18,500.00	7,151.20	18,635.01	7,264.27	330.78	330.97	105.40	655.22	-10,300.84	426.37	-213.14	639.51	0.667 Level 1		
18,600.00	7,151.40	18,734.90	7,264.45	333.61	333.81	105.23	655.30	-10,400.73	430.82	-214.63	645.45	0.667 Level 1		
18,700.00	7,151.59	18,834.79	7,264.63	336.43	336.65	105.07	655.37	-10,500.62	435.28	-216.11	651.39	0.668 Level 1		
18,800.00	7,151.79	18,934.69	7,264.81	339.26	339.49	104.91	655.45	-10,600.52	439.74	-217.58	657.32	0.669 Level 1		
18,906.26	7,152.00	19,040.84	7,264.99	342.26	342.51	104.75	655.53	-10,706.67	444.48	-219.13	663.62	0.670 Level 1, 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	1.07	14.94	0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	1.07	14.94	0.28	14.94	8.37	6.57	2.274		
200.00	200.00	200.00	200.00	3.34	3.34	1.07	14.94	0.28	14.94	8.27	6.67	2.238		
300.00	299.98	299.98	299.98	3.44	3.44	-85.62	14.94	0.28	14.70	7.82	6.89	2.135		
320.79	320.75	320.74	320.74	3.47	3.47	-88.45	14.96	0.35	14.68	7.73	6.94	2.113 CC		
400.00	399.84	399.87	399.85	3.60	3.60	-99.08	15.46	1.94	15.08	7.88	7.20	2.095		
500.00	499.45	499.88	499.72	3.81	3.80	-110.79	17.03	6.93	16.66	9.06	7.60	2.192		
600.00	598.70	600.01	599.46	4.06	4.04	-119.53	19.66	15.25	19.21	11.12	8.09	2.375		
700.00	697.47	700.24	698.94	4.34	4.32	-125.46	23.33	26.90	22.49	13.83	8.66	2.598		
785.50	781.43	786.03	783.70	4.61	4.59	-128.80	27.30	39.50	25.72	16.53	9.19	2.798		
800.00	795.63	800.58	798.04	4.66	4.63	-129.19	28.05	41.88	26.28	16.99	9.29	2.829		
900.00	893.55	901.05	896.65	5.02	4.97	-128.17	33.83	60.19	29.08	19.11	9.97	2.916		
1,000.00	991.47	1,001.13	994.38	5.40	5.35	-123.36	40.30	80.73	30.74	20.04	10.70	2.872		
1,100.00	1,089.39	1,101.08	1,091.97	5.80	5.74	-118.91	46.80	101.33	32.55	21.08	11.48	2.836		
1,200.00	1,187.31	1,201.03	1,189.56	6.21	6.15	-114.96	53.29	121.93	34.54	22.25	12.29	2.810		
1,300.00	1,285.22	1,300.99	1,287.16	6.64	6.58	-111.45	59.79	142.53	36.68	23.54	13.14	2.791		
1,400.00	1,383.14	1,400.94	1,384.75	7.08	7.01	-108.34	66.28	163.13	38.94	24.92	14.02	2.777		
1,500.00	1,481.06	1,500.89	1,482.34	7.52	7.46	-105.58	72.78	183.73	41.30	26.38	14.92	2.768		
1,600.00	1,578.98	1,600.85	1,579.93	7.98	7.91	-103.12	79.27	204.33	43.74	27.91	15.83	2.763		
1,700.00	1,676.90	1,700.80	1,677.52	8.44	8.38	-100.92	85.77	224.93	46.26	29.50	16.76	2.760		
1,800.00	1,774.82	1,800.75	1,775.11	8.90	8.84	-98.96	92.26	245.53	48.84	31.14	17.70	2.760		
1,900.00	1,872.74	1,900.71	1,872.71	9.37	9.32	-97.19	98.76	266.13	51.47	32.82	18.65	2.760		
2,000.00	1,970.66	2,000.66	1,970.30	9.84	9.79	-95.59	105.26	286.73	54.14	34.54	19.60	2.762		
2,100.00	2,068.57	2,100.61	2,067.89	10.32	10.27	-94.15	111.75	307.33	56.86	36.29	20.56	2.765		
2,200.00	2,166.49	2,200.57	2,165.48	10.80	10.76	-92.84	118.25	327.93	59.60	38.07	21.53	2.769		
2,300.00	2,264.41	2,300.52	2,263.07	11.28	11.24	-91.64	124.74	348.53	62.37	39.88	22.50	2.772		
2,400.00	2,362.33	2,400.47	2,360.66	11.76	11.73	-90.55	131.24	369.13	65.17	41.70	23.47	2.777		
2,500.00	2,460.25	2,500.43	2,458.26	12.24	12.22	-89.55	137.73	389.73	67.99	43.54	24.45	2.781		
2,600.00	2,558.17	2,600.38	2,555.85	12.73	12.71	-88.63	144.23	410.33	70.83	45.40	25.43	2.785		
2,700.00	2,656.09	2,700.33	2,653.44	13.22	13.20	-87.78	150.72	430.93	73.69	47.27	26.41	2.790		
2,800.00	2,754.01	2,800.29	2,751.03	13.71	13.70	-86.99	157.22	451.53	76.56	49.16	27.40	2.794		
2,900.00	2,851.92	2,900.24	2,848.62	14.20	14.19	-86.26	163.71	472.13	79.44	51.05	28.39	2.798		
3,000.00	2,949.84	3,000.20	2,946.22	14.69	14.69	-85.58	170.21	492.73	82.34	52.96	29.38	2.803		
3,100.00	3,047.76	3,100.15	3,043.81	15.18	15.19	-84.94	176.70	513.33	85.25	54.88	30.37	2.807		
3,200.00	3,145.68	3,200.10	3,141.40	15.67	15.69	-84.35	183.20	533.93	88.16	56.80	31.36	2.811		
3,300.00	3,243.60	3,300.06	3,238.99	16.17	16.19	-83.80	189.69	554.53	91.09	58.74	32.35	2.815		
3,400.00	3,341.52	3,400.01	3,336.58	16.66	16.69	-83.28	196.19	575.13	94.02	60.67	33.35	2.819		
3,500.00	3,439.44	3,500.04	3,434.17	17.16	17.19	-82.79	202.68	595.73	96.96	62.62	34.34	2.823		
3,600.00	3,537.36	3,600.08	3,531.77	17.65	17.69	-82.34	209.18	616.33	99.91	64.57	35.34	2.827		
3,700.00	3,635.27	3,700.13	3,629.36	18.15	18.20	-81.90	215.67	636.93	102.86	66.53	36.34	2.831		
3,800.00	3,733.19	3,800.18	3,726.95	18.65	18.70	-81.49	222.17	657.53	105.82	68.49	37.34	2.834		
3,900.00	3,831.11	3,900.22	3,824.54	19.14	19.21	-81.11	228.66	678.13	108.79	70.45	38.34	2.838		
4,000.00	3,929.03	3,999.73	3,922.13	19.64	19.71	-80.74	235.16	698.73	111.76	72.42	39.33	2.841		
4,100.00	4,026.95	4,100.32	4,019.72	20.14	20.22	-80.40	241.65	719.33	114.73	74.39	40.34	2.844		
4,200.00	4,124.87	4,200.36	4,117.32	20.64	20.72	-80.07	248.15	739.93	117.71	76.37	41.34	2.847		
4,300.00	4,222.79	4,300.41	4,214.91	21.14	21.23	-79.75	254.64	760.54	120.69	78.35	42.34	2.850		
4,400.00	4,320.71	4,399.54	4,312.50	21.64	21.73	-79.46	261.14	781.14	123.67	80.33	43.34	2.854		
4,500.00	4,418.62	4,500.50	4,410.09	22.14	22.24	-79.17	267.64	801.74	126.66	82.31	44.35	2.856		
4,600.00	4,516.54	4,600.55	4,507.68	22.64	22.75	-78.90	274.13	822.34	129.65	84.30	45.35	2.859		
4,700.00	4,614.46	4,700.60	4,605.27	23.14	23.26	-78.64	280.63	842.94	132.64	86.29	46.35	2.862		
4,800.00	4,712.38	4,800.64	4,702.87	23.64	23.76	-78.40	287.12	863.54	135.64	88.28	47.36	2.864		
4,900.00	4,810.30	4,900.69	4,800.46	24.14	24.27	-78.16	293.62	884.14	138.64	90.27	48.36	2.867		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	5,000.74	4,898.05	24.64	24.78	-77.93	300.11	904.74	141.64	92.27	49.37	2.869		
5,100.00	5,006.14	5,099.22	4,995.64	25.14	25.28	-77.72	306.61	925.34	144.64	94.28	50.36	2.872		
5,200.00	5,104.06	5,200.83	5,093.23	25.64	25.80	-77.51	313.10	945.94	147.64	96.27	51.38	2.874		
5,300.00	5,201.97	5,300.88	5,190.82	26.14	26.30	-77.31	319.60	966.54	150.65	98.27	52.38	2.876		
5,400.00	5,299.89	5,400.92	5,288.42	26.64	26.81	-77.12	326.09	987.14	153.66	100.27	53.39	2.878		
5,500.00	5,397.81	5,500.97	5,386.01	27.15	27.32	-76.93	332.59	1,007.74	156.67	102.27	54.40	2.880		
5,600.00	5,495.73	5,601.02	5,483.60	27.65	27.83	-76.76	339.08	1,028.34	159.68	104.28	55.40	2.882		
5,700.00	5,593.65	5,698.94	5,581.19	28.15	28.33	-76.58	345.58	1,048.94	162.69	106.29	56.40	2.885		
5,800.00	5,691.57	5,801.11	5,678.78	28.65	28.85	-76.42	352.07	1,069.54	165.71	108.29	57.42	2.886		
5,900.00	5,789.49	5,901.16	5,776.37	29.15	29.36	-76.26	358.57	1,090.14	168.72	110.30	58.42	2.888		
6,000.00	5,887.41	6,001.20	5,873.97	29.66	29.87	-76.11	365.06	1,110.74	171.74	112.31	59.43	2.890		
6,100.00	5,985.32	6,101.25	5,971.56	30.16	30.38	-75.96	371.56	1,131.34	174.76	114.32	60.44	2.892		
6,200.00	6,083.24	6,201.29	6,069.15	30.66	30.89	-75.82	378.05	1,151.94	177.78	116.33	61.44	2.893		
6,300.00	6,181.16	6,301.34	6,166.74	31.16	31.40	-75.68	384.55	1,172.54	180.80	118.34	62.45	2.895		
6,400.00	6,279.08	6,401.39	6,264.33	31.67	31.91	-75.54	391.04	1,193.14	183.82	120.36	63.46	2.897		
6,490.03	6,367.24	6,489.54	6,353.47	32.12	32.34	-76.04	396.98	1,209.91	186.41	122.05	64.36	2.896		
6,500.00	6,377.01	6,499.65	6,363.48	32.17	32.39	-75.37	397.64	1,211.13	186.66	122.20	64.46	2.896		
6,550.00	6,426.43	6,550.17	6,413.75	32.40	32.60	-68.22	400.98	1,214.80	187.94	123.01	64.93	2.894		
6,600.00	6,476.27	6,600.40	6,463.86	32.61	32.79	-34.82	404.32	1,214.48	189.22	123.88	65.35	2.896		
6,650.00	6,526.21	6,650.34	6,513.49	32.80	32.97	50.18	407.61	1,210.24	190.50	124.77	65.72	2.898		
6,700.00	6,575.96	6,699.99	6,562.36	32.98	33.15	70.01	410.86	1,202.17	191.76	125.67	66.08	2.902		
6,750.00	6,625.19	6,749.37	6,610.19	33.16	33.33	75.12	414.04	1,190.39	192.99	126.55	66.44	2.905		
6,800.00	6,673.62	6,798.47	6,656.71	33.35	33.53	76.91	417.12	1,175.02	194.19	127.39	66.80	2.907		
6,850.00	6,720.94	6,847.31	6,701.68	33.55	33.73	77.49	420.11	1,156.22	195.34	128.18	67.16	2.909		
6,900.00	6,766.86	6,895.90	6,744.85	33.76	33.95	77.51	422.97	1,134.14	196.42	128.90	67.52	2.909		
6,950.00	6,811.10	6,944.25	6,786.03	33.98	34.18	77.26	425.70	1,108.96	197.43	129.54	67.89	2.908		
7,000.00	6,853.38	6,992.38	6,824.99	34.23	34.44	76.86	428.28	1,080.86	198.36	130.09	68.27	2.905		
7,050.00	6,893.45	7,040.29	6,861.58	34.50	34.71	76.39	430.70	1,050.03	199.18	130.51	68.67	2.900		
7,100.00	6,931.05	7,088.00	6,895.60	34.79	35.01	75.88	432.95	1,016.68	199.90	130.79	69.10	2.893		
7,150.00	6,965.96	7,135.52	6,926.93	35.12	35.34	75.37	435.02	981.02	200.49	130.92	69.57	2.882		
7,200.00	6,997.96	7,182.87	6,955.41	35.47	35.70	74.87	436.90	943.25	200.95	130.86	70.09	2.867		
7,250.00	7,026.85	7,230.07	6,980.94	35.86	36.09	74.40	438.59	903.60	201.27	130.61	70.66	2.848		
7,300.00	7,052.45	7,277.13	7,003.40	36.29	36.51	73.97	440.07	862.29	201.45	130.14	71.31	2.825		
7,350.00	7,074.61	7,324.06	7,022.71	36.76	36.96	73.58	441.33	819.54	201.47	129.44	72.03	2.797		
7,400.00	7,093.19	7,370.88	7,038.79	37.27	37.45	73.24	442.39	775.59	201.32	128.49	72.83	2.764		
7,450.00	7,108.07	7,417.61	7,051.59	37.81	37.97	72.96	443.22	730.67	201.02	127.29	73.72	2.727		
7,500.00	7,119.17	7,464.27	7,061.05	38.39	38.52	72.73	443.84	684.99	200.54	125.84	74.70	2.685		
7,550.00	7,126.41	7,510.86	7,067.14	38.99	39.09	72.56	444.23	638.81	199.90	124.15	75.75	2.639		
7,600.00	7,129.75	7,557.42	7,069.85	39.62	39.67	72.45	444.39	592.35	199.09	122.21	76.88	2.590		
7,616.41	7,130.00	7,572.80	7,070.00	39.83	39.87	72.43	444.40	576.97	198.79	121.52	77.27	2.573		
7,700.00	7,130.16	7,656.37	7,070.01	40.97	41.02	72.23	444.37	493.39	197.16	117.74	79.42	2.483		
7,800.00	7,130.35	7,756.35	7,070.01	42.46	42.52	71.99	444.33	393.41	195.22	113.00	82.22	2.374		
7,900.00	7,130.55	7,856.33	7,070.02	44.09	44.15	71.75	444.30	293.44	193.28	108.01	85.27	2.267		
8,000.00	7,130.74	7,956.31	7,070.03	45.84	45.90	71.50	444.27	193.46	191.34	102.81	88.53	2.161		
8,100.00	7,130.94	8,056.28	7,070.04	47.70	47.76	71.24	444.23	93.48	189.41	97.42	91.99	2.059		
8,200.00	7,131.13	8,156.26	7,070.05	49.65	49.72	70.98	444.20	-6.50	187.48	91.87	95.61	1.961		
8,300.00	7,131.32	8,256.24	7,070.06	51.70	51.76	70.71	444.16	-106.47	185.55	86.18	99.37	1.867		
8,400.00	7,131.52	8,356.22	7,070.07	53.81	53.87	70.44	444.13	-206.45	183.63	80.37	103.26	1.778		
8,500.00	7,131.71	8,456.19	7,070.08	55.99	56.05	70.17	444.10	-306.43	181.71	74.45	107.26	1.694		
8,600.00	7,131.90	8,556.17	7,070.09	58.24	58.29	69.88	444.06	-406.41	179.80	68.45	111.36	1.615		
8,700.00	7,132.10	8,656.15	7,070.09	60.53	60.58	69.60	444.03	-506.39	177.89	62.37	115.53	1.540		
8,800.00	7,132.29	8,756.13	7,070.10	62.87	62.92	69.30	444.00	-606.36	175.99	56.22	119.77	1.469	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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	8,856.11	7,070.11	65.25	65.30	69.00	443.96	-706.34	174.09	50.03	124.06	1.403	Level 3	
9,000.00	7,132.68	8,956.08	7,070.12	67.68	67.72	68.69	443.93	-806.32	172.20	43.80	128.40	1.341	Level 3	
9,100.00	7,132.87	9,056.06	7,070.13	70.13	70.17	68.38	443.90	-906.30	170.31	37.53	132.78	1.283	Level 3	
9,200.00	7,133.07	9,156.04	7,070.14	72.61	72.65	68.05	443.86	-1,006.27	168.43	31.24	137.19	1.228	Level 2	
9,300.00	7,133.26	9,256.02	7,070.15	75.13	75.15	67.72	443.83	-1,106.25	166.55	24.93	141.62	1.176	Level 2	
9,400.00	7,133.46	9,355.99	7,070.16	77.66	77.69	67.39	443.79	-1,206.23	164.68	18.61	146.07	1.127	Level 2	
9,500.00	7,133.65	9,455.97	7,070.17	80.22	80.24	67.04	443.76	-1,306.21	162.81	12.28	150.53	1.082	Level 2	
9,600.00	7,133.84	9,555.95	7,070.17	82.80	82.81	66.69	443.73	-1,406.18	160.95	5.96	154.99	1.038	Level 2	
9,700.00	7,134.04	9,655.93	7,070.18	85.40	85.41	66.33	443.69	-1,506.16	159.10	-0.35	159.45	0.998	Level 1	
9,800.00	7,134.23	9,755.91	7,070.19	88.01	88.01	65.96	443.66	-1,606.14	157.25	-6.65	163.90	0.959	Level 1	
9,900.00	7,134.43	9,855.88	7,070.20	90.64	90.64	65.58	443.63	-1,706.12	155.41	-12.94	168.34	0.923	Level 1	
10,000.00	7,134.62	9,955.86	7,070.21	93.28	93.27	65.20	443.59	-1,806.10	153.57	-19.20	172.77	0.889	Level 1	
10,100.00	7,134.81	10,055.84	7,070.22	95.94	95.92	64.80	443.56	-1,906.07	151.75	-25.43	177.18	0.856	Level 1	
10,200.00	7,135.01	10,155.82	7,070.23	98.61	98.59	64.39	443.53	-2,006.05	149.93	-31.63	181.56	0.826	Level 1	
10,300.00	7,135.20	10,255.79	7,070.24	101.28	101.26	63.98	443.49	-2,106.03	148.11	-37.79	185.91	0.797	Level 1	
10,400.00	7,135.39	10,355.77	7,070.25	103.97	103.94	63.55	443.46	-2,206.01	146.31	-43.92	190.23	0.769	Level 1	
10,500.00	7,135.59	10,455.75	7,070.25	106.67	106.63	63.12	443.42	-2,305.98	144.52	-49.99	194.51	0.743	Level 1	
10,600.00	7,135.78	10,555.73	7,070.26	109.38	109.33	62.67	443.39	-2,405.96	142.73	-56.02	198.75	0.718	Level 1	
10,700.00	7,135.98	10,655.71	7,070.27	112.09	112.04	62.21	443.36	-2,505.94	140.95	-61.99	202.94	0.695	Level 1	
10,800.00	7,136.17	10,755.68	7,070.28	114.81	114.76	61.74	443.32	-2,605.92	139.18	-67.89	207.08	0.672	Level 1	
10,900.00	7,136.36	10,855.66	7,070.29	117.54	117.48	61.25	443.29	-2,705.90	137.42	-73.74	211.16	0.651	Level 1	
11,000.00	7,136.56	10,955.64	7,070.30	120.28	120.21	60.76	443.26	-2,805.87	135.67	-79.51	215.18	0.631	Level 1	
11,100.00	7,136.75	11,055.62	7,070.31	123.02	122.94	60.25	443.22	-2,905.85	133.94	-85.20	219.14	0.611	Level 1	
11,200.00	7,136.95	11,155.59	7,070.32	125.76	125.68	59.73	443.19	-3,005.83	132.21	-90.82	223.02	0.593	Level 1	
11,300.00	7,137.14	11,255.57	7,070.33	128.52	128.43	59.19	443.15	-3,105.81	130.49	-96.34	226.83	0.575	Level 1	
11,400.00	7,137.33	11,355.55	7,070.33	131.27	131.18	58.64	443.12	-3,205.78	128.79	-101.77	230.56	0.559	Level 1	
11,500.00	7,137.53	11,455.53	7,070.34	134.03	133.94	58.08	443.09	-3,305.76	127.09	-107.11	234.20	0.543	Level 1	
11,600.00	7,137.72	11,555.50	7,070.35	136.80	136.69	57.50	443.05	-3,405.74	125.41	-112.33	237.75	0.528	Level 1	
11,700.00	7,137.92	11,655.48	7,070.36	139.57	139.46	56.91	443.02	-3,505.72	123.75	-117.45	241.19	0.513	Level 1	
11,800.00	7,138.11	11,755.46	7,070.37	142.34	142.22	56.29	442.99	-3,605.70	122.09	-122.44	244.54	0.499	Level 1	
11,900.00	7,138.30	11,855.44	7,070.38	145.12	145.00	55.67	442.95	-3,705.67	120.45	-127.31	247.76	0.486	Level 1	
12,000.00	7,138.50	11,955.42	7,070.39	147.90	147.77	55.02	442.92	-3,805.65	118.83	-132.04	250.87	0.474	Level 1	
12,100.00	7,138.69	12,055.39	7,070.40	150.68	150.55	54.36	442.89	-3,905.63	117.22	-136.63	253.86	0.462	Level 1	
12,200.00	7,138.88	12,155.37	7,070.41	153.47	153.33	53.68	442.85	-4,005.61	115.63	-141.07	256.70	0.450	Level 1	
12,300.00	7,139.08	12,255.35	7,070.41	156.26	156.11	52.98	442.82	-4,105.58	114.05	-145.35	259.41	0.440	Level 1	
12,400.00	7,139.27	12,355.33	7,070.42	159.05	158.90	52.26	442.78	-4,205.56	112.50	-149.46	261.96	0.429	Level 1	
12,500.00	7,139.47	12,455.30	7,070.43	161.85	161.68	51.52	442.75	-4,305.54	110.96	-153.40	264.35	0.420	Level 1	
12,600.00	7,139.66	12,555.28	7,070.44	164.64	164.47	50.76	442.72	-4,405.52	109.43	-157.14	266.58	0.411	Level 1	
12,700.00	7,139.85	12,655.26	7,070.45	167.44	167.27	49.97	442.68	-4,505.49	107.93	-160.69	268.62	0.402	Level 1	
12,800.00	7,140.05	12,755.24	7,070.46	170.24	170.06	49.17	442.65	-4,605.47	106.45	-164.03	270.48	0.394	Level 1	
12,900.00	7,140.24	12,855.22	7,070.47	173.05	172.86	48.34	442.62	-4,705.45	104.99	-167.15	272.15	0.386	Level 1	
13,000.00	7,140.44	12,955.19	7,070.48	175.85	175.66	47.49	442.58	-4,805.43	103.56	-170.04	273.60	0.379	Level 1	
13,100.00	7,140.63	13,055.17	7,070.49	178.66	178.46	46.62	442.55	-4,905.41	102.15	-172.69	274.84	0.372	Level 1	
13,200.00	7,140.82	13,155.15	7,070.49	181.47	181.26	45.72	442.51	-5,005.38	100.76	-175.09	275.85	0.365	Level 1	
13,300.00	7,141.02	13,255.13	7,070.50	184.28	184.07	44.80	442.48	-5,105.36	99.39	-177.22	276.61	0.359	Level 1	
13,400.00	7,141.21	13,355.10	7,070.51	187.10	186.88	43.85	442.45	-5,205.34	98.06	-179.08	277.13	0.354	Level 1	
13,500.00	7,141.41	13,455.08	7,070.52	189.91	189.68	42.88	442.41	-5,305.32	96.75	-180.64	277.39	0.349	Level 1	
13,600.00	7,141.60	13,555.06	7,070.53	192.73	192.49	41.88	442.38	-5,405.29	95.47	-181.91	277.38	0.344	Level 1	
13,700.00	7,141.79	13,655.04	7,070.54	195.54	195.30	40.85	442.35	-5,505.27	94.22	-182.87	277.09	0.340	Level 1	
13,800.00	7,141.99	13,755.01	7,070.55	198.36	198.12	39.80	442.31	-5,605.25	93.00	-183.51	276.50	0.336	Level 1	
13,900.00	7,142.18	13,854.99	7,070.56	201.18	200.93	38.72	442.28	-5,705.23	91.81	-183.81	275.62	0.333	Level 1	
14,000.00	7,142.37	13,954.97	7,070.56	204.01	203.75	37.61	442.25	-5,805.21	90.66	-183.77	274.43	0.330	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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	14,054.95	7,070.57	206.83	206.56	36.47	442.21	-5,905.18	89.54	-183.38	272.92	0.328	Level 1	
14,200.00	7,142.76	14,154.93	7,070.58	209.65	209.38	35.31	442.18	-6,005.16	88.45	-182.64	271.09	0.326	Level 1	
14,300.00	7,142.96	14,254.90	7,070.59	212.48	212.20	34.11	442.14	-6,105.14	87.41	-181.53	268.94	0.325	Level 1	
14,400.00	7,143.15	14,354.88	7,070.60	215.30	215.02	32.89	442.11	-6,205.12	86.40	-180.06	266.46	0.324	Level 1	
14,500.00	7,143.34	14,454.86	7,070.61	218.13	217.84	31.64	442.08	-6,305.09	85.44	-178.22	263.65	0.324	Level 1	
14,600.00	7,143.54	14,554.84	7,070.62	220.96	220.66	30.36	442.04	-6,405.07	84.51	-176.01	260.53	0.324	Level 1	
14,700.00	7,143.73	14,654.81	7,070.63	223.79	223.48	29.05	442.01	-6,505.05	83.63	-173.45	257.08	0.325	Level 1	
14,800.00	7,143.93	14,754.79	7,070.64	226.62	226.31	27.72	441.98	-6,605.03	82.80	-170.54	253.33	0.327	Level 1	
14,838.32	7,144.00	14,806.90	7,070.64	227.70	227.78	27.20	441.96	-6,643.34	82.49	-169.54	252.03	0.327	Level 1	
14,888.00	7,144.10	14,842.78	7,070.64	229.11	228.79	26.80	441.95	-6,693.02	82.29	-168.91	251.20	0.328	Level 1	
14,900.00	7,144.12	14,854.78	7,070.64	229.45	229.13	26.78	441.94	-6,705.01	82.30	-169.17	251.47	0.327	Level 1	
15,000.00	7,144.32	14,954.76	7,070.65	232.26	231.96	27.81	441.91	-6,804.99	83.29	-176.84	260.13	0.320	Level 1	
15,027.81	7,144.37	14,982.54	7,070.66	233.04	232.74	28.46	441.90	-6,832.78	83.87	-180.68	264.55	0.317	Level 1	
15,100.00	7,144.51	15,054.66	7,070.66	235.07	234.78	30.33	441.88	-6,904.90	85.58	-191.43	277.01	0.309	Level 1	
15,200.00	7,144.71	15,154.56	7,070.67	237.87	237.61	32.80	441.84	-7,004.79	88.11	-205.74	293.85	0.300	Level 1	
15,300.00	7,144.91	15,254.46	7,070.68	240.68	240.43	35.13	441.81	-7,104.69	90.79	-219.33	310.11	0.293	Level 1	
15,400.00	7,145.10	15,354.36	7,070.69	243.48	243.26	37.32	441.77	-7,204.59	93.60	-232.15	325.76	0.287	Level 1	
15,500.00	7,145.30	15,454.25	7,070.70	246.29	246.08	39.38	441.74	-7,304.49	96.55	-244.21	340.77	0.283	Level 1	
15,600.00	7,145.50	15,554.15	7,070.71	249.10	248.91	41.32	441.71	-7,404.39	99.62	-255.53	355.15	0.281	Level 1	
15,700.00	7,145.69	15,654.05	7,070.72	251.91	251.74	43.14	441.67	-7,504.28	102.79	-266.12	368.91	0.279	Level 1	
15,800.00	7,145.89	15,753.95	7,070.72	254.71	254.57	44.84	441.64	-7,604.18	106.06	-276.03	382.09	0.278	Level 1	
15,900.00	7,146.09	15,853.85	7,070.73	257.52	257.40	46.45	441.61	-7,704.08	109.42	-285.30	394.72	0.277	Level 1, SF	
16,000.00	7,146.28	15,953.74	7,070.74	260.34	260.23	47.96	441.57	-7,803.98	112.86	-293.97	406.83	0.277	Level 1	
16,100.00	7,146.48	16,053.64	7,070.75	263.15	263.06	49.38	441.54	-7,903.88	116.37	-302.08	418.46	0.278	Level 1	
16,200.00	7,146.68	16,153.54	7,070.76	265.96	265.89	50.71	441.50	-8,003.77	119.95	-309.69	429.64	0.279	Level 1	
16,300.00	7,146.87	16,253.44	7,070.77	268.77	268.72	51.97	441.47	-8,103.67	123.59	-316.82	440.42	0.281	Level 1	
16,400.00	7,147.07	16,353.34	7,070.78	271.58	271.55	53.15	441.44	-8,203.57	127.29	-323.53	450.81	0.282	Level 1	
16,500.00	7,147.27	16,453.23	7,070.79	274.40	274.39	54.27	441.40	-8,303.47	131.04	-329.83	460.87	0.284	Level 1	
16,600.00	7,147.46	16,553.13	7,070.80	277.21	277.22	55.32	441.37	-8,403.37	134.83	-335.77	470.60	0.287	Level 1	
16,700.00	7,147.66	16,653.03	7,070.80	280.03	280.05	56.32	441.34	-8,503.26	138.67	-341.38	480.05	0.289	Level 1	
16,800.00	7,147.86	16,752.93	7,070.81	282.84	282.89	57.26	441.30	-8,603.16	142.55	-346.68	489.23	0.291	Level 1	
16,900.00	7,148.05	16,852.83	7,070.82	285.66	285.72	58.15	441.27	-8,703.06	146.46	-351.71	498.17	0.294	Level 1	
17,000.00	7,148.25	16,952.72	7,070.83	288.48	288.56	59.00	441.24	-8,802.96	150.41	-356.47	506.88	0.297	Level 1	
17,100.00	7,148.45	17,052.62	7,070.84	291.29	291.39	59.80	441.20	-8,902.86	154.39	-361.00	515.39	0.300	Level 1	
17,200.00	7,148.64	17,152.52	7,070.85	294.11	294.23	60.56	441.17	-9,002.75	158.40	-365.32	523.72	0.302	Level 1	
17,300.00	7,148.84	17,252.42	7,070.86	296.93	297.07	61.29	441.13	-9,102.65	162.43	-369.43	531.87	0.305	Level 1	
17,400.00	7,149.04	17,352.32	7,070.87	299.75	299.90	61.98	441.10	-9,202.55	166.49	-373.37	539.86	0.308	Level 1	
17,500.00	7,149.23	17,452.21	7,070.88	302.57	302.74	62.63	441.07	-9,302.45	170.57	-377.13	547.71	0.311	Level 1	
17,600.00	7,149.43	17,552.11	7,070.88	305.39	305.58	63.26	441.03	-9,402.35	174.68	-380.74	555.42	0.314	Level 1	
17,700.00	7,149.63	17,652.01	7,070.89	308.21	308.42	63.85	441.00	-9,502.25	178.80	-384.21	563.01	0.318	Level 1	
17,800.00	7,149.82	17,751.91	7,070.90	311.03	311.25	64.42	440.97	-9,602.14	182.94	-387.54	570.48	0.321	Level 1	
17,900.00	7,150.02	17,851.81	7,070.91	313.85	314.09	64.97	440.93	-9,702.04	187.10	-390.75	577.85	0.324	Level 1	
18,000.00	7,150.22	17,951.70	7,070.92	316.67	316.93	65.49	440.90	-9,801.94	191.27	-393.85	585.13	0.327	Level 1	
18,100.00	7,150.41	18,051.60	7,070.93	319.49	319.77	65.99	440.87	-9,901.84	195.46	-396.85	592.31	0.330	Level 1	
18,200.00	7,150.61	18,151.50	7,070.94	322.32	322.61	66.47	440.83	-10,001.74	199.67	-399.74	599.41	0.333	Level 1	
18,300.00	7,150.81	18,251.40	7,070.95	325.14	325.45	66.92	440.80	-10,101.63	203.89	-402.55	606.44	0.336	Level 1	
18,400.00	7,151.00	18,351.30	7,070.96	327.96	328.29	67.36	440.76	-10,201.53	208.12	-405.27	613.39	0.339	Level 1	
18,500.00	7,151.20	18,451.19	7,070.96	330.78	331.13	67.78	440.73	-10,301.43	212.36	-407.91	620.27	0.342	Level 1	
18,600.00	7,151.40	18,551.09	7,070.97	333.61	333.97	68.19	440.70	-10,401.33	216.61	-410.48	627.09	0.345	Level 1	
18,700.00	7,151.59	18,650.99	7,070.98	336.43	336.81	68.58	440.66	-10,501.23	220.87	-412.98	633.86	0.348	Level 1	
18,800.00	7,151.79	18,750.89	7,070.99	339.26	339.66	68.95	440.63	-10,601.12	225.15	-415.42	640.57	0.351	Level 1	
18,906.26	7,152.00	18,850.74	7,071.00	342.08	342.50	69.34	440.59	-10,701.02	229.47	-417.94	647.64	0.355	Level 1, 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-60.11	-0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-60.11	-0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-60.11	-0.56	60.11	53.44	6.67	9.007 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	102.15	-60.11	-0.56	60.46	53.57	6.89	8.777		
400.00	399.84	399.10	399.08	3.60	3.60	105.34	-60.86	0.98	62.36	55.16	7.20	8.665		
500.00	499.45	498.22	498.07	3.81	3.79	108.30	-63.12	5.61	66.59	58.99	7.59	8.768		
600.00	598.70	597.29	596.75	4.06	4.02	110.78	-66.87	13.30	73.12	65.04	8.08	9.055		
700.00	697.47	696.22	694.96	4.34	4.29	112.70	-72.10	24.03	81.89	73.26	8.63	9.487		
785.50	781.43	780.66	778.41	4.61	4.55	113.89	-77.75	35.60	91.13	81.97	9.16	9.944		
800.00	795.63	794.97	792.51	4.66	4.59	114.07	-78.81	37.78	92.84	83.58	9.26	10.026		
900.00	893.55	893.56	889.33	5.02	4.93	114.08	-86.97	54.51	105.00	95.05	9.95	10.555		
1,000.00	991.47	1,007.64	985.75	5.40	5.36	112.68	-96.40	73.85	117.77	107.02	10.75	10.957		
1,100.00	1,089.39	1,108.51	1,082.42	5.80	5.77	111.39	-106.02	93.57	130.68	119.14	11.54	11.321		
1,200.00	1,187.31	1,209.39	1,179.08	6.21	6.19	110.34	-115.64	113.30	143.65	131.28	12.37	11.611		
1,300.00	1,285.22	1,289.73	1,275.75	6.64	6.54	109.46	-125.26	133.02	156.66	143.52	13.14	11.924		
1,400.00	1,383.14	1,388.86	1,372.41	7.08	6.99	108.71	-134.88	152.74	169.70	155.69	14.01	12.116		
1,500.00	1,481.06	1,487.98	1,469.08	7.52	7.44	108.07	-144.50	172.46	182.76	167.87	14.89	12.272		
1,600.00	1,578.98	1,587.11	1,565.74	7.98	7.90	107.52	-154.12	192.19	195.84	180.05	15.79	12.400		
1,700.00	1,676.90	1,686.23	1,662.41	8.44	8.37	107.03	-163.74	211.91	208.94	192.23	16.71	12.506		
1,800.00	1,774.82	1,785.36	1,759.07	8.90	8.85	106.61	-173.36	231.63	222.05	204.41	17.63	12.594		
1,900.00	1,872.74	1,884.48	1,855.73	9.37	9.33	106.23	-182.98	251.36	235.17	216.60	18.56	12.668		
2,000.00	1,970.66	1,983.60	1,952.40	9.84	9.81	105.89	-192.60	271.08	248.30	228.79	19.51	12.729		
2,100.00	2,068.57	2,082.73	2,049.06	10.32	10.30	105.58	-202.22	290.80	261.43	240.98	20.45	12.782		
2,200.00	2,166.49	2,181.85	2,145.73	10.80	10.79	105.31	-211.84	310.53	274.58	253.17	21.41	12.826		
2,300.00	2,264.41	2,280.98	2,242.39	11.28	11.29	105.06	-221.46	330.25	287.73	265.36	22.37	12.864		
2,400.00	2,362.33	2,380.10	2,339.06	11.76	11.79	104.83	-231.07	349.97	300.88	277.55	23.33	12.897		
2,500.00	2,460.25	2,479.22	2,435.72	12.24	12.28	104.62	-240.69	369.70	314.04	289.74	24.30	12.925		
2,600.00	2,558.17	2,578.35	2,532.39	12.73	12.79	104.42	-250.31	389.42	327.20	301.94	25.27	12.950		
2,700.00	2,656.09	2,677.47	2,629.05	13.22	13.29	104.25	-259.93	409.14	340.37	314.13	26.24	12.971		
2,800.00	2,754.01	2,776.60	2,725.72	13.71	13.79	104.08	-269.55	428.86	353.54	326.32	27.22	12.989		
2,900.00	2,851.92	2,875.72	2,822.38	14.20	14.30	103.93	-279.17	448.59	366.71	338.51	28.20	13.005		
3,000.00	2,949.84	2,974.84	2,919.05	14.69	14.80	103.79	-288.79	468.31	379.89	350.71	29.18	13.020		
3,100.00	3,047.76	3,073.97	3,015.71	15.18	15.31	103.65	-298.41	488.03	393.06	362.90	30.16	13.032		
3,200.00	3,145.68	3,173.09	3,112.38	15.67	15.82	103.53	-308.03	507.76	406.24	375.09	31.15	13.043		
3,300.00	3,243.60	3,272.22	3,209.04	16.17	16.33	103.41	-317.65	527.48	419.42	387.29	32.13	13.053		
3,400.00	3,341.52	3,371.34	3,305.70	16.66	16.84	103.30	-327.27	547.20	432.60	399.48	33.12	13.061		
3,500.00	3,439.44	3,470.47	3,402.37	17.16	17.35	103.20	-336.89	566.93	445.79	411.67	34.11	13.069		
3,600.00	3,537.36	3,569.59	3,499.03	17.65	17.86	103.10	-346.51	586.65	458.97	423.87	35.10	13.075		
3,700.00	3,635.27	3,668.71	3,595.70	18.15	18.38	103.01	-356.13	606.37	472.16	436.06	36.09	13.081		
3,800.00	3,733.19	3,767.84	3,692.36	18.65	18.89	102.93	-365.75	626.10	485.34	448.26	37.09	13.087		
3,900.00	3,831.11	3,866.96	3,789.03	19.14	19.40	102.84	-375.37	645.82	498.53	460.45	38.08	13.091		
4,000.00	3,929.03	3,966.09	3,885.69	19.64	19.92	102.77	-384.99	665.54	511.72	472.64	39.08	13.096		
4,100.00	4,026.95	4,065.21	3,982.36	20.14	20.43	102.69	-394.61	685.26	524.91	484.84	40.07	13.099		
4,200.00	4,124.87	4,164.33	4,079.02	20.64	20.95	102.62	-404.23	704.99	538.10	497.03	41.07	13.103		
4,300.00	4,222.79	4,263.46	4,175.69	21.14	21.46	102.56	-413.85	724.71	551.29	509.23	42.07	13.106		
4,400.00	4,320.71	4,362.58	4,272.35	21.64	21.98	102.49	-423.47	744.43	564.48	521.42	43.06	13.108		
4,500.00	4,418.62	4,461.71	4,369.02	22.14	22.49	102.43	-433.09	764.16	577.68	533.61	44.06	13.111		
4,600.00	4,516.54	4,560.83	4,465.68	22.64	23.01	102.37	-442.71	783.88	590.87	545.81	45.06	13.113		
4,700.00	4,614.46	4,659.96	4,562.35	23.14	23.52	102.32	-452.33	803.60	604.06	558.00	46.06	13.115		
4,800.00	4,712.38	4,759.08	4,659.01	23.64	24.04	102.26	-461.94	823.33	617.26	570.20	47.06	13.116		
4,900.00	4,810.30	4,858.20	4,755.67	24.14	24.56	102.21	-471.56	843.05	630.45	582.39	48.06	13.118		
5,000.00	4,908.22	4,957.33	4,852.34	24.64	25.08	102.16	-481.18	862.77	643.65	594.58	49.06	13.119		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,056.45	4,949.00	25.14	25.59	102.12	-490.80	882.50	656.84	606.78	50.06	13.120		
5,200.00	5,104.06	5,155.58	5,045.67	25.64	26.11	102.07	-500.42	902.22	670.04	618.97	51.07	13.121		
5,300.00	5,201.97	5,254.70	5,142.33	26.14	26.63	102.03	-510.04	921.94	683.23	631.17	52.07	13.122		
5,400.00	5,299.89	5,353.82	5,239.00	26.64	27.15	101.99	-519.66	941.66	696.43	643.36	53.07	13.123		
5,500.00	5,397.81	5,452.95	5,335.66	27.15	27.67	101.95	-529.28	961.39	709.63	655.56	54.07	13.123		
5,600.00	5,495.73	5,552.07	5,432.33	27.65	28.18	101.91	-538.90	981.11	722.83	667.75	55.08	13.124		
5,700.00	5,593.65	5,651.20	5,528.99	28.15	28.70	101.87	-548.52	1,000.83	736.02	679.94	56.08	13.124		
5,800.00	5,691.57	5,750.32	5,625.66	28.65	29.22	101.84	-558.14	1,020.56	749.22	692.14	57.09	13.125		
5,900.00	5,789.49	5,849.44	5,722.32	29.15	29.74	101.80	-567.76	1,040.28	762.42	704.33	58.09	13.125		
6,000.00	5,887.41	5,948.57	5,818.99	29.66	30.26	101.77	-577.38	1,060.00	775.62	716.53	59.09	13.125		
6,100.00	5,985.32	6,047.69	5,915.65	30.16	30.78	101.74	-587.00	1,079.73	788.82	728.72	60.10	13.125		
6,200.00	6,083.24	6,146.82	6,012.32	30.66	31.30	101.70	-596.62	1,099.45	802.02	740.91	61.10	13.126		
6,300.00	6,181.16	6,245.94	6,108.98	31.16	31.82	101.67	-606.24	1,119.17	815.22	753.11	62.11	13.126		
6,400.00	6,279.08	6,345.07	6,205.64	31.67	32.34	101.64	-615.86	1,138.90	828.42	765.30	63.11	13.126		
6,490.03	6,367.24	6,434.31	6,292.68	32.12	32.80	101.62	-624.52	1,156.65	840.30	776.28	64.02	13.126		
6,500.00	6,377.01	6,444.19	6,302.31	32.17	32.86	102.66	-625.48	1,158.62	841.62	777.50	64.12	13.126		
6,550.00	6,426.43	6,493.65	6,350.55	32.40	33.12	111.47	-630.28	1,168.46	848.20	783.60	64.60	13.131		
6,600.00	6,476.27	6,542.74	6,398.41	32.61	33.37	146.27	-635.04	1,178.23	854.77	789.73	65.04	13.143		
6,650.00	6,526.21	6,591.14	6,445.61	32.80	33.63	-127.59	-639.74	1,187.86	861.37	795.93	65.44	13.163		
6,700.00	6,575.96	6,638.42	6,491.76	32.98	33.87	-106.84	-644.33	1,197.09	868.11	802.29	65.81	13.190		
6,750.00	6,625.19	6,685.70	6,538.33	33.16	34.10	-100.87	-648.95	1,203.68	875.08	808.90	66.17	13.224		
6,800.00	6,673.62	6,734.07	6,586.36	33.35	34.30	-98.27	-653.71	1,206.80	882.26	815.73	66.53	13.261		
6,850.00	6,720.94	6,783.65	6,635.68	33.55	34.48	-96.93	-658.57	1,206.18	889.62	822.72	66.89	13.299		
6,900.00	6,766.86	6,834.55	6,686.11	33.76	34.65	-96.18	-663.53	1,201.55	897.10	829.83	67.27	13.336		
6,950.00	6,811.10	6,886.86	6,737.39	33.98	34.82	-95.76	-668.55	1,192.58	904.65	836.98	67.67	13.368		
7,000.00	6,853.38	6,940.71	6,789.23	34.23	34.99	-95.54	-673.61	1,178.96	912.21	844.10	68.11	13.394		
7,050.00	6,893.45	6,996.21	6,841.26	34.50	35.18	-95.46	-678.67	1,160.38	919.72	851.14	68.58	13.412		
7,100.00	6,931.05	7,053.45	6,893.02	34.79	35.39	-95.46	-683.68	1,136.52	927.10	858.01	69.08	13.420		
7,150.00	6,965.96	7,112.52	6,943.99	35.12	35.63	-95.53	-688.59	1,107.10	934.27	864.63	69.64	13.416		
7,200.00	6,997.96	7,173.49	6,993.51	35.47	35.90	-95.63	-693.33	1,071.90	941.15	870.90	70.25	13.397		
7,250.00	7,026.85	7,236.39	7,040.86	35.86	36.21	-95.76	-697.83	1,030.78	947.66	876.74	70.93	13.361		
7,300.00	7,052.45	7,301.21	7,085.18	36.29	36.58	-95.90	-702.02	983.69	953.71	882.02	71.69	13.303		
7,350.00	7,074.61	7,367.91	7,125.57	36.76	37.02	-96.04	-705.79	930.79	959.21	886.64	72.57	13.217		
7,400.00	7,093.19	7,436.36	7,161.06	37.27	37.54	-96.16	-709.05	872.40	964.08	890.50	73.58	13.103		
7,450.00	7,108.07	7,506.37	7,190.70	37.81	38.14	-96.26	-711.72	809.06	968.23	893.50	74.73	12.956		
7,500.00	7,119.17	7,577.70	7,213.60	38.39	38.83	-96.32	-713.70	741.58	971.59	895.55	76.04	12.778		
7,550.00	7,126.41	7,650.03	7,229.01	38.99	39.61	-96.34	-714.93	670.96	974.11	896.63	77.49	12.571		
7,600.00	7,129.75	7,722.98	7,236.38	39.62	40.45	-96.32	-715.36	598.42	975.75	896.68	79.07	12.341		
7,616.41	7,130.00	7,746.99	7,236.99	39.83	40.74	-96.30	-715.32	574.42	976.09	896.48	79.60	12.262		
7,700.00	7,130.16	7,831.55	7,237.15	40.97	41.84	-96.29	-714.99	489.86	977.48	895.61	81.87	11.939		
7,800.00	7,130.35	7,931.53	7,237.34	42.46	43.27	-96.28	-714.60	389.88	979.15	894.32	84.82	11.543		
7,900.00	7,130.55	8,031.52	7,237.52	44.09	44.84	-96.26	-714.21	289.89	980.81	892.77	88.05	11.140		
8,000.00	7,130.74	8,131.50	7,237.71	45.84	46.53	-96.25	-713.82	189.91	982.48	890.97	91.51	10.736		
8,100.00	7,130.94	8,231.49	7,237.90	47.70	48.34	-96.24	-713.43	89.92	984.15	888.96	95.19	10.339		
8,200.00	7,131.13	8,331.48	7,238.08	49.65	50.25	-96.23	-713.04	-10.06	985.82	886.75	99.06	9.951		
8,300.00	7,131.32	8,431.46	7,238.27	51.70	52.26	-96.22	-712.65	-110.05	987.48	884.38	103.11	9.577		
8,400.00	7,131.52	8,531.45	7,238.46	53.81	54.33	-96.21	-712.26	-210.03	989.15	881.85	107.30	9.219		
8,500.00	7,131.71	8,631.43	7,238.64	55.99	56.48	-96.20	-711.87	-310.02	990.82	879.19	111.62	8.876		
8,600.00	7,131.90	8,731.42	7,238.83	58.24	58.69	-96.19	-711.48	-410.00	992.48	876.41	116.07	8.551		
8,700.00	7,132.10	8,831.40	7,239.01	60.53	60.96	-96.18	-711.09	-509.99	994.15	873.53	120.62	8.242		
8,800.00	7,132.29	8,931.39	7,239.20	62.87	63.27	-96.17	-710.70	-609.97	995.82	870.55	125.27	7.950		
8,900.00	7,132.49	9,031.38	7,239.39	65.25	65.63	-96.15	-710.31	-709.96	997.48	867.49	130.00	7.673		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,131.36	7,239.57	67.68	68.03	-96.14	-709.91	-809.94	999.15	864.35	134.80	7.412		
9,100.00	7,132.87	9,231.35	7,239.76	70.13	70.46	-96.13	-709.52	-909.93	1,000.82	861.14	139.67	7.165		
9,200.00	7,133.07	9,331.33	7,239.95	72.61	72.93	-96.12	-709.13	-1,009.91	1,002.49	857.88	144.61	6.932		
9,300.00	7,133.26	9,431.32	7,240.13	75.13	75.42	-96.11	-708.74	-1,109.90	1,004.15	854.56	149.60	6.712		
9,400.00	7,133.46	9,531.31	7,240.32	77.66	77.94	-96.10	-708.35	-1,209.88	1,005.82	851.19	154.63	6.505		
9,500.00	7,133.65	9,631.29	7,240.50	80.22	80.48	-96.09	-707.96	-1,309.87	1,007.49	847.77	159.72	6.308		
9,600.00	7,133.84	9,731.28	7,240.69	82.80	83.04	-96.08	-707.57	-1,409.85	1,009.16	844.32	164.84	6.122		
9,700.00	7,134.04	9,831.26	7,240.88	85.40	85.62	-96.07	-707.18	-1,509.84	1,010.82	840.82	170.00	5.946		
9,800.00	7,134.23	9,931.25	7,241.06	88.01	88.22	-96.06	-706.79	-1,609.82	1,012.49	837.30	175.19	5.779		
9,900.00	7,134.43	10,031.24	7,241.25	90.64	90.83	-96.05	-706.40	-1,709.81	1,014.16	833.74	180.42	5.621		
10,000.00	7,134.62	10,131.22	7,241.44	93.28	93.46	-96.04	-706.01	-1,809.79	1,015.83	830.15	185.67	5.471		
10,100.00	7,134.81	10,231.21	7,241.62	95.94	96.10	-96.03	-705.62	-1,909.78	1,017.49	826.54	190.95	5.329		
10,200.00	7,135.01	10,331.19	7,241.81	98.61	98.76	-96.02	-705.23	-2,009.76	1,019.16	822.91	196.26	5.193		
10,300.00	7,135.20	10,431.18	7,242.00	101.28	101.42	-96.01	-704.84	-2,109.75	1,020.83	819.25	201.58	5.064		
10,400.00	7,135.39	10,531.17	7,242.18	103.97	104.10	-96.00	-704.45	-2,209.73	1,022.50	815.57	206.93	4.941		
10,500.00	7,135.59	10,631.15	7,242.37	106.67	106.79	-95.99	-704.06	-2,309.72	1,024.16	811.87	212.29	4.824		
10,600.00	7,135.78	10,731.14	7,242.55	109.38	109.48	-95.98	-703.66	-2,409.70	1,025.83	808.16	217.67	4.713		
10,700.00	7,135.98	10,831.12	7,242.74	112.09	112.18	-95.97	-703.27	-2,509.69	1,027.50	804.43	223.07	4.606		
10,800.00	7,136.17	10,931.11	7,242.93	114.81	114.89	-95.96	-702.88	-2,609.67	1,029.17	800.68	228.48	4.504		
10,900.00	7,136.36	11,031.10	7,243.11	117.54	117.61	-95.95	-702.49	-2,709.66	1,030.84	796.92	233.91	4.407		
11,000.00	7,136.56	11,131.08	7,243.30	120.28	120.34	-95.94	-702.10	-2,809.64	1,032.50	793.15	239.35	4.314		
11,100.00	7,136.75	11,231.07	7,243.49	123.02	123.07	-95.93	-701.71	-2,909.63	1,034.17	789.37	244.80	4.224		
11,200.00	7,136.95	11,331.05	7,243.67	125.76	125.80	-95.92	-701.32	-3,009.61	1,035.84	785.57	250.27	4.139		
11,300.00	7,137.14	11,431.04	7,243.86	128.52	128.54	-95.91	-700.93	-3,109.60	1,037.51	781.77	255.74	4.057		
11,400.00	7,137.33	11,531.02	7,244.04	131.27	131.29	-95.90	-700.54	-3,209.58	1,039.18	777.95	261.23	3.978		
11,500.00	7,137.53	11,631.01	7,244.23	134.03	134.04	-95.89	-700.15	-3,309.57	1,040.84	774.12	266.72	3.902		
11,600.00	7,137.72	11,731.00	7,244.42	136.80	136.80	-95.88	-699.76	-3,409.55	1,042.51	770.29	272.22	3.830		
11,700.00	7,137.92	11,830.98	7,244.60	139.57	139.56	-95.87	-699.37	-3,509.54	1,044.18	766.45	277.73	3.760		
11,800.00	7,138.11	11,930.97	7,244.79	142.34	142.32	-95.86	-698.98	-3,609.52	1,045.85	762.60	283.25	3.692		
11,900.00	7,138.30	12,030.95	7,244.98	145.12	145.09	-95.85	-698.59	-3,709.51	1,047.52	758.74	288.78	3.627		
12,000.00	7,138.50	12,130.94	7,245.16	147.90	147.86	-95.84	-698.20	-3,809.49	1,049.18	754.87	294.31	3.565		
12,100.00	7,138.69	12,230.93	7,245.35	150.68	150.64	-95.83	-697.81	-3,909.48	1,050.85	751.00	299.85	3.505		
12,200.00	7,138.88	12,330.91	7,245.53	153.47	153.42	-95.82	-697.41	-4,009.46	1,052.52	747.12	305.40	3.446		
12,300.00	7,139.08	12,430.90	7,245.72	156.26	156.20	-95.81	-697.02	-4,109.45	1,054.19	743.24	310.95	3.390		
12,400.00	7,139.27	12,530.88	7,245.91	159.05	158.98	-95.80	-696.63	-4,209.43	1,055.86	739.35	316.51	3.336		
12,500.00	7,139.47	12,630.87	7,246.09	161.85	161.77	-95.79	-696.24	-4,309.42	1,057.53	735.45	322.07	3.284		
12,600.00	7,139.66	12,730.86	7,246.28	164.64	164.56	-95.78	-695.85	-4,409.40	1,059.19	731.55	327.64	3.233		
12,700.00	7,139.85	12,830.84	7,246.47	167.44	167.35	-95.77	-695.46	-4,509.39	1,060.86	727.65	333.21	3.184		
12,800.00	7,140.05	12,930.83	7,246.65	170.24	170.14	-95.76	-695.07	-4,609.37	1,062.53	723.74	338.79	3.136		
12,900.00	7,140.24	13,030.81	7,246.84	173.05	172.94	-95.75	-694.68	-4,709.36	1,064.20	719.83	344.37	3.090		
13,000.00	7,140.44	13,130.80	7,247.02	175.85	175.74	-95.74	-694.29	-4,809.34	1,065.87	715.91	349.96	3.046		
13,100.00	7,140.63	13,230.79	7,247.21	178.66	178.54	-95.73	-693.90	-4,909.33	1,067.54	711.99	355.55	3.002		
13,200.00	7,140.82	13,330.77	7,247.40	181.47	181.34	-95.72	-693.51	-5,009.31	1,069.20	708.06	361.14	2.961		
13,300.00	7,141.02	13,430.76	7,247.58	184.28	184.15	-95.71	-693.12	-5,109.30	1,070.87	704.13	366.74	2.920		
13,400.00	7,141.21	13,530.74	7,247.77	187.10	186.95	-95.70	-692.73	-5,209.28	1,072.54	700.20	372.34	2.881		
13,500.00	7,141.41	13,630.73	7,247.96	189.91	189.76	-95.70	-692.34	-5,309.27	1,074.21	696.26	377.95	2.842		
13,600.00	7,141.60	13,730.72	7,248.14	192.73	192.57	-95.69	-691.95	-5,409.25	1,075.88	692.32	383.55	2.805		
13,700.00	7,141.79	13,830.70	7,248.33	195.54	195.38	-95.68	-691.56	-5,509.24	1,077.55	688.38	389.17	2.769		
13,800.00	7,141.99	13,930.69	7,248.51	198.36	198.19	-95.67	-691.16	-5,609.22	1,079.22	684.44	394.78	2.734		
13,900.00	7,142.18	14,030.67	7,248.70	201.18	201.00	-95.66	-690.77	-5,709.21	1,080.89	680.49	400.40	2.700		
14,000.00	7,142.37	14,130.66	7,248.89	204.01	203.82	-95.65	-690.38	-5,809.19	1,082.55	676.54	406.02	2.666		
14,100.00	7,142.57	14,230.64	7,249.07	206.83	206.63	-95.64	-689.99	-5,909.18	1,084.22	672.59	411.64	2.634		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,330.63	7,249.26	209.65	209.45	-95.63	-689.60	-6,009.16	1,085.89	668.63	417.26	2.602		
14,300.00	7,142.96	14,430.62	7,249.45	212.48	212.27	-95.62	-689.21	-6,109.15	1,087.56	664.67	422.89	2.572		
14,400.00	7,143.15	14,530.60	7,249.63	215.30	215.09	-95.61	-688.82	-6,209.13	1,089.23	660.71	428.52	2.542		
14,500.00	7,143.34	14,630.59	7,249.82	218.13	217.91	-95.60	-688.43	-6,309.12	1,090.90	656.75	434.15	2.513		
14,600.00	7,143.54	14,730.57	7,250.00	220.96	220.73	-95.59	-688.04	-6,409.10	1,092.57	652.79	439.78	2.484		
14,700.00	7,143.73	14,830.56	7,250.19	223.79	223.55	-95.59	-687.65	-6,509.09	1,094.24	648.82	445.42	2.457		
14,800.00	7,143.93	14,930.55	7,250.38	226.62	226.38	-95.58	-687.26	-6,609.07	1,095.91	644.85	451.06	2.430		
14,838.32	7,144.00	14,968.86	7,250.45	227.70	227.46	-95.57	-687.11	-6,647.39	1,096.55	643.33	453.22	2.419		
14,900.00	7,144.12	15,030.54	7,250.56	229.45	229.20	-95.57	-686.87	-6,709.06	1,096.91	640.22	456.69	2.402		
15,000.00	7,144.32	15,130.51	7,250.75	232.26	232.03	-95.58	-686.48	-6,809.03	1,094.70	632.40	462.30	2.368		
15,027.81	7,144.37	15,158.29	7,250.80	233.04	232.81	-95.59	-686.37	-6,836.81	1,093.47	629.61	463.86	2.357		
15,100.00	7,144.51	15,230.39	7,250.94	235.07	234.85	-95.60	-686.09	-6,908.91	1,089.93	622.03	467.89	2.329		
15,200.00	7,144.71	15,330.27	7,251.12	237.87	237.67	-95.63	-685.70	-7,008.79	1,085.01	611.53	473.48	2.292		
15,300.00	7,144.91	15,430.15	7,251.31	240.68	240.50	-95.65	-685.31	-7,108.67	1,080.10	601.03	479.08	2.255		
15,400.00	7,145.10	15,530.03	7,251.49	243.48	243.32	-95.68	-684.92	-7,208.55	1,075.19	590.52	484.67	2.218		
15,500.00	7,145.30	15,629.91	7,251.68	246.29	246.15	-95.71	-684.53	-7,308.42	1,070.28	580.02	490.26	2.183		
15,600.00	7,145.50	15,729.78	7,251.87	249.10	248.98	-95.73	-684.14	-7,408.30	1,065.37	569.51	495.85	2.149		
15,700.00	7,145.69	15,829.66	7,252.05	251.91	251.81	-95.76	-683.75	-7,508.18	1,060.46	559.01	501.45	2.115		
15,800.00	7,145.89	15,929.54	7,252.24	254.71	254.63	-95.78	-683.36	-7,608.06	1,055.55	548.50	507.04	2.082		
15,900.00	7,146.09	16,029.42	7,252.42	257.52	257.46	-95.81	-682.97	-7,707.93	1,050.64	538.00	512.64	2.049		
16,000.00	7,146.28	16,129.30	7,252.61	260.34	260.29	-95.84	-682.58	-7,807.81	1,045.73	527.49	518.24	2.018		
16,100.00	7,146.48	16,229.18	7,252.80	263.15	263.12	-95.86	-682.18	-7,907.69	1,040.82	516.98	523.83	1.987		
16,200.00	7,146.68	16,329.05	7,252.98	265.96	265.95	-95.89	-681.79	-8,007.56	1,035.91	506.48	529.43	1.957		
16,300.00	7,146.87	16,428.93	7,253.17	268.77	268.78	-95.92	-681.40	-8,107.44	1,031.00	495.97	535.03	1.927		
16,400.00	7,147.07	16,528.81	7,253.35	271.58	271.62	-95.95	-681.01	-8,207.32	1,026.09	485.46	540.62	1.898		
16,500.00	7,147.27	16,628.69	7,253.54	274.40	274.45	-95.98	-680.62	-8,307.20	1,021.18	474.96	546.22	1.870		
16,600.00	7,147.46	16,728.57	7,253.73	277.21	277.28	-96.00	-680.23	-8,407.07	1,016.27	464.45	551.82	1.842		
16,700.00	7,147.66	16,828.44	7,253.91	280.03	280.12	-96.03	-679.84	-8,506.95	1,011.36	453.94	557.42	1.814		
16,800.00	7,147.86	16,928.32	7,254.10	282.84	282.95	-96.06	-679.45	-8,606.83	1,006.45	443.44	563.02	1.788		
16,900.00	7,148.05	17,028.20	7,254.29	285.66	285.78	-96.09	-679.06	-8,706.70	1,001.54	432.93	568.61	1.761		
17,000.00	7,148.25	17,128.08	7,254.47	288.48	288.62	-96.12	-678.67	-8,806.58	996.64	422.42	574.21	1.736		
17,100.00	7,148.45	17,227.96	7,254.66	291.29	291.45	-96.15	-678.28	-8,906.46	991.73	411.92	579.81	1.710		
17,200.00	7,148.64	17,327.83	7,254.84	294.11	294.29	-96.18	-677.89	-9,006.34	986.82	401.41	585.41	1.686		
17,300.00	7,148.84	17,427.71	7,255.03	296.93	297.13	-96.21	-677.50	-9,106.21	981.91	390.91	591.01	1.661		
17,400.00	7,149.04	17,527.59	7,255.22	299.75	299.96	-96.24	-677.11	-9,206.09	977.01	380.40	596.60	1.638		
17,500.00	7,149.23	17,627.47	7,255.40	302.57	302.80	-96.27	-676.72	-9,305.97	972.10	369.90	602.20	1.614		
17,600.00	7,149.43	17,727.35	7,255.59	305.39	305.64	-96.30	-676.33	-9,405.85	967.20	359.40	607.80	1.591		
17,700.00	7,149.63	17,827.23	7,255.77	308.21	308.48	-96.34	-675.94	-9,505.72	962.29	348.89	613.40	1.569		
17,800.00	7,149.82	17,927.10	7,255.96	311.03	311.31	-96.37	-675.55	-9,605.60	957.38	338.39	618.99	1.547		
17,900.00	7,150.02	18,026.98	7,256.15	313.85	314.15	-96.40	-675.16	-9,705.48	952.48	327.89	624.59	1.525		
18,000.00	7,150.22	18,126.86	7,256.33	316.67	316.99	-96.43	-674.77	-9,805.35	947.57	317.39	630.18	1.504		
18,100.00	7,150.41	18,226.74	7,256.52	319.49	319.83	-96.46	-674.38	-9,905.23	942.67	306.89	635.78	1.483 Level 3		
18,200.00	7,150.61	18,326.62	7,256.70	322.32	322.67	-96.50	-673.99	-10,005.11	937.77	296.39	641.37	1.462 Level 3		
18,300.00	7,150.81	18,426.49	7,256.89	325.14	325.51	-96.53	-673.60	-10,104.99	932.86	285.90	646.97	1.442 Level 3		
18,400.00	7,151.00	18,526.37	7,257.08	327.96	328.35	-96.57	-673.21	-10,204.86	927.96	275.40	652.56	1.422 Level 3		
18,500.00	7,151.20	18,626.25	7,257.26	330.78	331.19	-96.60	-672.82	-10,304.74	923.05	264.90	658.15	1.402 Level 3		
18,600.00	7,151.40	18,726.13	7,257.45	333.61	334.03	-96.64	-672.43	-10,404.62	918.15	254.41	663.74	1.383 Level 3		
18,700.00	7,151.59	18,826.01	7,257.63	336.43	336.87	-96.67	-672.04	-10,504.50	913.25	243.91	669.33	1.364 Level 3		
18,800.00	7,151.79	18,925.89	7,257.82	339.26	339.71	-96.71	-671.65	-10,604.37	908.35	233.42	674.92	1.346 Level 3		
18,906.26	7,152.00	19,022.43	7,258.00	342.26	342.46	-96.74	-671.27	-10,700.91	903.19	222.63	680.55	1.327 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.65	-45.17	-0.28	45.17					
100.00	100.00	100.00	100.00	3.28	3.28	-179.65	-45.17	-0.28	45.17	38.60	6.57	6.876		
200.00	200.00	200.00	200.00	3.34	3.34	-179.65	-45.17	-0.28	45.17	38.50	6.67	6.768 CC		
300.00	299.98	299.73	299.71	3.44	3.44	100.34	-45.47	1.43	45.78	38.89	6.88	6.649		
400.00	399.84	399.44	399.28	3.60	3.60	100.31	-46.37	6.56	47.59	40.40	7.19	6.615		
500.00	499.45	499.11	498.57	3.81	3.80	100.26	-47.88	15.09	50.61	43.01	7.60	6.660		
600.00	598.70	598.72	597.43	4.06	4.05	100.19	-49.98	27.00	54.84	46.75	8.09	6.777		
700.00	697.47	698.24	695.73	4.34	4.33	100.11	-52.67	42.28	60.26	51.60	8.66	6.956		
785.50	781.43	783.24	779.22	4.61	4.60	100.03	-55.44	57.99	65.84	56.63	9.21	7.147		
800.00	795.63	809.37	793.30	4.66	4.69	100.01	-55.95	60.88	66.86	57.51	9.35	7.151		
900.00	893.55	902.63	890.84	5.02	5.03	99.51	-59.58	81.42	74.01	63.97	10.04	7.372		
1,000.00	991.47	1,002.89	988.38	5.40	5.42	99.10	-63.20	101.96	81.17	70.37	10.80	7.513		
1,100.00	1,089.39	1,103.15	1,085.92	5.80	5.83	98.76	-66.82	122.50	88.33	76.72	11.61	7.611		
1,200.00	1,187.31	1,203.40	1,183.45	6.21	6.25	98.46	-70.44	143.04	95.49	83.05	12.44	7.677		
1,300.00	1,285.22	1,303.66	1,280.99	6.64	6.69	98.21	-74.06	163.58	102.66	89.36	13.30	7.720		
1,400.00	1,383.14	1,403.92	1,378.53	7.08	7.13	97.99	-77.68	184.12	109.82	95.65	14.18	7.747		
1,500.00	1,481.06	1,504.18	1,476.06	7.52	7.59	97.80	-81.31	204.66	116.99	101.92	15.07	7.762		
1,600.00	1,578.98	1,604.44	1,573.60	7.98	8.05	97.63	-84.93	225.20	124.16	108.17	15.98	7.768		
1,700.00	1,676.90	1,704.69	1,671.14	8.44	8.52	97.47	-88.55	245.74	131.33	114.42	16.91	7.768		
1,800.00	1,774.82	1,804.95	1,768.67	8.90	9.00	97.34	-92.17	266.28	138.50	120.66	17.84	7.763		
1,900.00	1,872.74	1,905.21	1,866.21	9.37	9.48	97.22	-95.79	286.82	145.67	126.89	18.78	7.756		
2,000.00	1,970.66	2,005.47	1,963.75	9.84	9.96	97.10	-99.42	307.36	152.84	133.11	19.73	7.746		
2,100.00	2,068.57	2,105.73	2,061.29	10.32	10.45	97.00	-103.04	327.90	160.01	139.33	20.69	7.735		
2,200.00	2,166.49	2,205.98	2,158.82	10.80	10.94	96.91	-106.66	348.44	167.19	145.54	21.65	7.723		
2,300.00	2,264.41	2,306.24	2,256.36	11.28	11.43	96.83	-110.28	368.98	174.36	151.75	22.61	7.711		
2,400.00	2,362.33	2,406.50	2,353.90	11.76	11.92	96.75	-113.90	389.52	181.53	157.95	23.58	7.698		
2,500.00	2,460.25	2,506.76	2,451.43	12.24	12.42	96.68	-117.52	410.06	188.71	164.15	24.56	7.685		
2,600.00	2,558.17	2,607.01	2,548.97	12.73	12.92	96.61	-121.15	430.60	195.88	170.35	25.53	7.672		
2,700.00	2,656.09	2,707.27	2,646.51	13.22	13.42	96.55	-124.77	451.14	203.06	176.54	26.51	7.659		
2,800.00	2,754.01	2,807.53	2,744.05	13.71	13.92	96.49	-128.39	471.68	210.23	182.73	27.49	7.646		
2,900.00	2,851.92	2,907.79	2,841.58	14.20	14.42	96.43	-132.01	492.22	217.40	188.92	28.48	7.634		
3,000.00	2,949.84	3,008.05	2,939.12	14.69	14.92	96.38	-135.63	512.76	224.58	195.11	29.47	7.621		
3,100.00	3,047.76	3,091.70	3,036.66	15.18	15.34	96.34	-139.25	533.30	231.75	201.38	30.37	7.630		
3,200.00	3,145.68	3,208.56	3,134.19	15.67	15.93	96.29	-142.88	553.84	238.93	207.48	31.45	7.598		
3,300.00	3,243.60	3,308.82	3,231.73	16.17	16.43	96.25	-146.50	574.38	246.10	213.67	32.44	7.587		
3,400.00	3,341.52	3,409.08	3,329.27	16.66	16.94	96.21	-150.12	594.92	253.28	219.85	33.43	7.576		
3,500.00	3,439.44	3,509.34	3,426.80	17.16	17.45	96.17	-153.74	615.46	260.46	226.03	34.43	7.566		
3,600.00	3,537.36	3,609.59	3,524.34	17.65	17.95	96.14	-157.36	636.00	267.63	232.21	35.42	7.555		
3,700.00	3,635.27	3,709.85	3,621.88	18.15	18.46	96.10	-160.98	656.54	274.81	238.39	36.42	7.546		
3,800.00	3,733.19	3,789.89	3,719.42	18.65	18.87	96.07	-164.61	677.08	281.98	244.67	37.32	7.557		
3,900.00	3,831.11	3,889.63	3,816.95	19.14	19.37	96.04	-168.23	697.62	289.16	250.85	38.31	7.547		
4,000.00	3,929.03	3,989.37	3,914.49	19.64	19.88	96.01	-171.85	718.16	296.34	257.03	39.31	7.538		
4,100.00	4,026.95	4,089.12	4,012.03	20.14	20.38	95.98	-175.47	738.70	303.51	263.20	40.31	7.530		
4,200.00	4,124.87	4,188.86	4,109.56	20.64	20.89	95.96	-179.09	759.24	310.69	269.38	41.31	7.521		
4,300.00	4,222.79	4,288.60	4,207.10	21.14	21.40	95.93	-182.71	779.78	317.86	275.56	42.31	7.513		
4,400.00	4,320.71	4,388.34	4,304.64	21.64	21.91	95.91	-186.34	800.32	325.04	281.73	43.31	7.506		
4,500.00	4,418.62	4,488.09	4,402.18	22.14	22.41	95.89	-189.96	820.86	332.22	287.91	44.31	7.498		
4,600.00	4,516.54	4,587.83	4,499.71	22.64	22.92	95.86	-193.58	841.40	339.39	294.08	45.31	7.491		
4,700.00	4,614.46	4,687.57	4,597.25	23.14	23.43	95.84	-197.20	861.94	346.57	300.26	46.31	7.484		
4,800.00	4,712.38	4,787.31	4,694.79	23.64	23.94	95.82	-200.82	882.48	353.75	306.43	47.31	7.477		
4,900.00	4,810.30	4,887.05	4,792.32	24.14	24.45	95.80	-204.45	903.02	360.92	312.61	48.32	7.470		
5,000.00	4,908.22	4,986.80	4,889.86	24.64	24.96	95.78	-208.07	923.56	368.10	318.78	49.32	7.464		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 33N-9A-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	5,006.14	5,086.54	4,987.40	25.14	25.47	95.77	-211.69	944.10	375.28	324.95	50.32	7.457		
5,200.00	5,104.06	5,186.28	5,084.94	25.64	25.98	95.75	-215.31	964.64	382.45	331.13	51.33	7.451		
5,300.00	5,201.97	5,286.02	5,182.47	26.14	26.49	95.73	-218.93	985.18	389.63	337.30	52.33	7.446		
5,400.00	5,299.89	5,385.76	5,280.01	26.64	27.00	95.72	-222.55	1,005.72	396.81	343.47	53.34	7.440		
5,500.00	5,397.81	5,485.51	5,377.55	27.15	27.51	95.70	-226.18	1,026.26	403.98	349.64	54.34	7.434		
5,600.00	5,495.73	5,585.25	5,475.08	27.65	28.02	95.69	-229.80	1,046.80	411.16	355.81	55.35	7.429		
5,700.00	5,593.65	5,684.99	5,572.62	28.15	28.53	95.67	-233.42	1,067.34	418.34	361.98	56.35	7.424		
5,800.00	5,691.57	5,784.73	5,670.16	28.65	29.04	95.66	-237.04	1,087.88	425.51	368.16	57.36	7.419		
5,900.00	5,789.49	5,884.47	5,767.69	29.15	29.55	95.64	-240.66	1,108.42	432.69	374.33	58.36	7.414		
6,000.00	5,887.41	5,984.22	5,865.23	29.66	30.06	95.63	-244.28	1,128.96	439.87	380.50	59.37	7.409		
6,100.00	5,985.32	6,083.96	5,962.77	30.16	30.57	95.62	-247.91	1,149.50	447.04	386.67	60.38	7.404		
6,200.00	6,083.24	6,183.70	6,060.31	30.66	31.08	95.61	-251.53	1,170.04	454.22	392.84	61.38	7.400		
6,300.00	6,181.16	6,283.44	6,157.84	31.16	31.59	95.59	-255.15	1,190.58	461.40	399.01	62.39	7.395		
6,400.00	6,279.08	6,386.67	6,259.75	31.67	32.08	96.32	-258.96	1,205.86	468.25	404.84	63.41	7.385		
6,490.03	6,367.24	6,476.70	6,349.65	32.12	32.40	98.56	-262.36	1,205.75	474.14	409.90	64.24	7.380		
6,500.00	6,377.01	6,486.33	6,359.24	32.17	32.44	99.86	-262.73	1,204.98	474.83	410.50	64.33	7.381		
6,550.00	6,426.43	6,534.05	6,406.54	32.40	32.60	110.16	-264.54	1,199.06	478.63	413.90	64.74	7.394		
6,600.00	6,476.27	6,580.85	6,452.38	32.61	32.76	146.67	-266.32	1,189.82	482.92	417.82	65.10	7.419		
6,650.00	6,526.21	6,626.80	6,496.60	32.80	32.93	-125.28	-268.04	1,177.49	487.63	422.22	65.41	7.455		
6,700.00	6,575.96	6,671.97	6,539.09	32.98	33.10	-102.49	-269.70	1,162.30	492.71	427.03	65.68	7.501		
6,750.00	6,625.19	6,716.43	6,579.76	33.16	33.28	-94.51	-271.31	1,144.43	498.09	432.15	65.93	7.554		
6,800.00	6,673.62	6,760.23	6,618.52	33.35	33.47	-89.97	-272.85	1,124.10	503.70	437.54	66.16	7.613		
6,850.00	6,720.94	6,803.45	6,655.30	33.55	33.68	-86.75	-274.33	1,101.47	509.46	443.09	66.37	7.676		
6,900.00	6,766.86	6,846.12	6,690.03	33.76	33.90	-84.22	-275.74	1,076.72	515.32	448.75	66.57	7.741		
6,950.00	6,811.10	6,888.31	6,722.66	33.98	34.13	-82.10	-277.07	1,050.02	521.19	454.42	66.77	7.806		
7,000.00	6,853.38	6,930.07	6,753.14	34.23	34.38	-80.27	-278.33	1,021.53	527.01	460.03	66.97	7.869		
7,050.00	6,893.45	6,971.43	6,781.44	34.50	34.66	-78.67	-279.51	991.39	532.71	465.52	67.20	7.927		
7,100.00	6,931.05	7,012.44	6,807.50	34.79	34.95	-77.26	-280.62	959.75	538.25	470.79	67.46	7.979		
7,150.00	6,965.96	7,053.15	6,831.30	35.12	35.26	-76.01	-281.64	926.76	543.55	475.78	67.76	8.021		
7,200.00	6,997.96	7,093.58	6,852.81	35.47	35.60	-74.92	-282.58	892.54	548.57	480.43	68.13	8.051		
7,250.00	7,026.85	7,133.78	6,872.01	35.86	35.97	-73.96	-283.43	857.23	553.25	484.68	68.58	8.068		
7,300.00	7,052.45	7,173.79	6,888.85	36.29	36.35	-73.13	-284.21	820.96	557.57	488.46	69.11	8.068		
7,350.00	7,074.61	7,213.63	6,903.34	36.76	36.76	-72.43	-284.89	783.86	561.48	491.75	69.73	8.052		
7,400.00	7,093.19	7,253.34	6,915.44	37.27	37.19	-71.85	-285.49	746.05	564.94	494.49	70.45	8.019		
7,450.00	7,108.07	7,292.94	6,925.14	37.81	37.65	-71.38	-285.99	707.67	567.93	496.66	71.27	7.968		
7,500.00	7,119.17	7,332.47	6,932.43	38.39	38.12	-71.04	-286.41	668.82	570.44	498.24	72.20	7.901		
7,550.00	7,126.41	7,371.96	6,937.29	38.99	38.61	-70.81	-286.74	629.64	572.43	499.21	73.22	7.818		
7,600.00	7,129.75	7,411.43	6,939.71	39.62	39.11	-70.69	-286.98	590.25	573.90	499.58	74.32	7.722		
7,616.41	7,130.00	7,435.12	6,939.98	39.83	39.43	-70.67	-287.03	578.56	574.26	499.42	74.84	7.673		
7,700.00	7,130.16	7,506.69	6,940.21	40.97	40.41	-70.75	-287.34	495.00	576.17	499.27	76.90	7.492		
7,800.00	7,130.35	7,606.66	6,940.47	42.46	41.91	-70.83	-287.72	395.03	578.45	498.64	79.81	7.248		
7,900.00	7,130.55	7,706.63	6,940.74	44.09	43.55	-70.92	-288.09	295.06	580.73	497.75	82.98	6.998		
8,000.00	7,130.74	7,806.60	6,941.00	45.84	45.31	-71.01	-288.47	195.09	583.02	496.64	86.38	6.749		
8,100.00	7,130.94	7,906.57	6,941.27	47.70	47.18	-71.09	-288.84	95.12	585.31	495.32	89.99	6.504		
8,200.00	7,131.13	8,006.54	6,941.54	49.65	49.15	-71.17	-289.22	-4.85	587.60	493.81	93.78	6.266		
8,300.00	7,131.32	8,106.51	6,941.80	51.70	51.20	-71.26	-289.59	-104.82	589.89	492.15	97.74	6.035		
8,400.00	7,131.52	8,206.48	6,942.07	53.81	53.32	-71.34	-289.97	-204.79	592.18	490.34	101.84	5.815		
8,500.00	7,131.71	8,306.45	6,942.33	55.99	55.52	-71.42	-290.34	-304.76	594.47	488.41	106.06	5.605		
8,600.00	7,131.90	8,406.42	6,942.60	58.24	57.77	-71.50	-290.72	-404.72	596.77	486.36	110.40	5.405		
8,700.00	7,132.10	8,506.39	6,942.87	60.53	60.07	-71.58	-291.09	-504.69	599.06	484.22	114.85	5.216		
8,800.00	7,132.29	8,606.36	6,943.13	62.87	62.42	-71.66	-291.47	-604.66	601.36	481.98	119.38	5.037		
8,900.00	7,132.49	8,706.33	6,943.40	65.25	64.81	-71.74	-291.84	-704.63	603.65	479.66	123.99	4.868		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	8,806.30	6,943.66	67.68	67.23	-71.82	-292.22	-804.60	605.95	477.27	128.68	4.709		
9,100.00	7,132.87	8,906.27	6,943.93	70.13	69.69	-71.90	-292.60	-904.57	608.25	474.82	133.43	4.558		
9,200.00	7,133.07	9,006.24	6,944.20	72.61	72.18	-71.98	-292.97	-1,004.54	610.55	472.31	138.25	4.416		
9,300.00	7,133.26	9,106.21	6,944.46	75.13	74.69	-72.06	-293.35	-1,104.51	612.86	469.74	143.11	4.282		
9,400.00	7,133.46	9,206.18	6,944.73	77.66	77.23	-72.13	-293.72	-1,204.48	615.16	467.13	148.03	4.156		
9,500.00	7,133.65	9,306.15	6,944.99	80.22	79.79	-72.21	-294.10	-1,304.45	617.46	464.47	152.99	4.036		
9,600.00	7,133.84	9,406.12	6,945.26	82.80	82.37	-72.28	-294.47	-1,404.42	619.77	461.78	157.99	3.923		
9,700.00	7,134.04	9,506.09	6,945.53	85.40	84.97	-72.36	-294.85	-1,504.38	622.07	459.05	163.03	3.816		
9,800.00	7,134.23	9,606.06	6,945.79	88.01	87.58	-72.43	-295.22	-1,604.35	624.38	456.28	168.10	3.714		
9,900.00	7,134.43	9,706.03	6,946.06	90.64	90.21	-72.51	-295.60	-1,704.32	626.69	453.49	173.20	3.618		
10,000.00	7,134.62	9,806.00	6,946.32	93.28	92.86	-72.58	-295.97	-1,804.29	629.00	450.66	178.34	3.527		
10,100.00	7,134.81	9,905.97	6,946.59	95.94	95.51	-72.65	-296.35	-1,904.26	631.31	447.81	183.49	3.440		
10,200.00	7,135.01	10,005.94	6,946.86	98.61	98.18	-72.72	-296.72	-2,004.23	633.62	444.94	188.68	3.358		
10,300.00	7,135.20	10,105.91	6,947.12	101.28	100.85	-72.80	-297.10	-2,104.20	635.93	442.05	193.88	3.280		
10,400.00	7,135.39	10,205.88	6,947.39	103.97	103.54	-72.87	-297.47	-2,204.17	638.25	439.13	199.11	3.205		
10,500.00	7,135.59	10,305.85	6,947.65	106.67	106.24	-72.94	-297.85	-2,304.14	640.56	436.20	204.36	3.134		
10,600.00	7,135.78	10,405.82	6,947.92	109.38	108.94	-73.01	-298.22	-2,404.11	642.88	433.25	209.63	3.067		
10,700.00	7,135.98	10,505.79	6,948.19	112.09	111.65	-73.08	-298.60	-2,504.08	645.19	430.28	214.91	3.002		
10,800.00	7,136.17	10,605.76	6,948.45	114.81	114.37	-73.15	-298.97	-2,604.04	647.51	427.30	220.21	2.940		
10,900.00	7,136.36	10,705.73	6,948.72	117.54	117.10	-73.21	-299.35	-2,704.01	649.83	424.30	225.53	2.881		
11,000.00	7,136.56	10,805.70	6,948.98	120.28	119.83	-73.28	-299.72	-2,803.98	652.15	421.29	230.86	2.825		
11,100.00	7,136.75	10,905.67	6,949.25	123.02	122.56	-73.35	-300.10	-2,903.95	654.47	418.26	236.21	2.771		
11,200.00	7,136.95	11,005.64	6,949.52	125.76	125.31	-73.42	-300.47	-3,003.92	656.79	415.22	241.56	2.719		
11,300.00	7,137.14	11,105.61	6,949.78	128.52	128.05	-73.48	-300.85	-3,103.89	659.11	412.18	246.93	2.669		
11,400.00	7,137.33	11,205.58	6,950.05	131.27	130.81	-73.55	-301.22	-3,203.86	661.43	409.12	252.31	2.621		
11,500.00	7,137.53	11,305.55	6,950.31	134.03	133.56	-73.62	-301.60	-3,303.83	663.76	406.05	257.71	2.576		
11,600.00	7,137.72	11,405.52	6,950.58	136.80	136.32	-73.68	-301.98	-3,403.80	666.08	402.97	263.11	2.532		
11,700.00	7,137.92	11,505.49	6,950.85	139.57	139.09	-73.75	-302.35	-3,503.77	668.41	399.88	268.52	2.489		
11,800.00	7,138.11	11,605.46	6,951.11	142.34	141.86	-73.81	-302.73	-3,603.73	670.73	396.79	273.94	2.448		
11,900.00	7,138.30	11,705.43	6,951.38	145.12	144.63	-73.87	-303.10	-3,703.70	673.06	393.68	279.37	2.409		
12,000.00	7,138.50	11,805.40	6,951.64	147.90	147.41	-73.94	-303.48	-3,803.67	675.39	390.57	284.81	2.371		
12,100.00	7,138.69	11,905.37	6,951.91	150.68	150.18	-74.00	-303.85	-3,903.64	677.71	387.45	290.26	2.335		
12,200.00	7,138.88	12,005.34	6,952.18	153.47	152.97	-74.06	-304.23	-4,003.61	680.04	384.33	295.72	2.300		
12,300.00	7,139.08	12,105.31	6,952.44	156.26	155.75	-74.12	-304.60	-4,103.58	682.37	381.19	301.18	2.266		
12,400.00	7,139.27	12,205.28	6,952.71	159.05	158.54	-74.19	-304.98	-4,203.55	684.71	378.05	306.65	2.233		
12,500.00	7,139.47	12,305.25	6,952.97	161.85	161.33	-74.25	-305.35	-4,303.52	687.04	374.91	312.13	2.201		
12,600.00	7,139.66	12,405.22	6,953.24	164.64	164.12	-74.31	-305.73	-4,403.49	689.37	371.76	317.61	2.170		
12,700.00	7,139.85	12,505.20	6,953.51	167.44	166.91	-74.37	-306.10	-4,503.46	691.70	368.60	323.10	2.141		
12,800.00	7,140.05	12,605.17	6,953.77	170.24	169.71	-74.43	-306.48	-4,603.43	694.04	365.44	328.60	2.112		
12,900.00	7,140.24	12,705.14	6,954.04	173.05	172.51	-74.49	-306.85	-4,703.39	696.37	362.27	334.10	2.084		
13,000.00	7,140.44	12,805.11	6,954.30	175.85	175.31	-74.55	-307.23	-4,803.36	698.71	359.10	339.61	2.057		
13,100.00	7,140.63	12,905.08	6,954.57	178.66	178.11	-74.61	-307.60	-4,903.33	701.04	355.92	345.12	2.031		
13,200.00	7,140.82	13,005.05	6,954.84	181.47	180.91	-74.67	-307.98	-5,003.30	703.38	352.74	350.64	2.006		
13,300.00	7,141.02	13,105.02	6,955.10	184.28	183.72	-74.72	-308.35	-5,103.27	705.72	349.56	356.16	1.981		
13,400.00	7,141.21	13,204.99	6,955.37	187.10	186.52	-74.78	-308.73	-5,203.24	708.06	346.37	361.69	1.958		
13,500.00	7,141.41	13,304.96	6,955.63	189.91	189.33	-74.84	-309.10	-5,303.21	710.40	343.17	367.22	1.935		
13,600.00	7,141.60	13,404.93	6,955.90	192.73	192.14	-74.90	-309.48	-5,403.18	712.74	339.97	372.76	1.912		
13,700.00	7,141.79	13,504.90	6,956.17	195.54	194.95	-74.95	-309.85	-5,503.15	715.08	336.77	378.30	1.890		
13,800.00	7,141.99	13,604.87	6,956.43	198.36	197.77	-75.01	-310.23	-5,603.12	717.42	333.57	383.85	1.869		
13,900.00	7,142.18	13,704.84	6,956.70	201.18	200.58	-75.06	-310.61	-5,703.09	719.76	330.36	389.40	1.848		
14,000.00	7,142.37	13,804.81	6,956.96	204.01	203.39	-75.12	-310.98	-5,803.05	722.10	327.15	394.96	1.828		
14,100.00	7,142.57	13,904.78	6,957.23	206.83	206.21	-75.18	-311.36	-5,903.02	724.45	323.93	400.51	1.809		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,004.75	6,957.50	209.65	209.03	-75.23	-311.73	-6,002.99	726.79	320.71	406.08	1.790		
14,300.00	7,142.96	14,104.72	6,957.76	212.48	211.85	-75.28	-312.11	-6,102.96	729.14	317.49	411.64	1.771		
14,400.00	7,143.15	14,204.69	6,958.03	215.30	214.67	-75.34	-312.48	-6,202.93	731.48	314.27	417.21	1.753		
14,500.00	7,143.34	14,304.66	6,958.29	218.13	217.49	-75.39	-312.86	-6,302.90	733.83	311.04	422.79	1.736		
14,600.00	7,143.54	14,404.63	6,958.56	220.96	220.31	-75.45	-313.23	-6,402.87	736.17	307.81	428.36	1.719		
14,700.00	7,143.73	14,504.60	6,958.83	223.79	223.13	-75.50	-313.61	-6,502.84	738.52	304.58	433.94	1.702		
14,800.00	7,143.93	14,604.57	6,959.09	226.62	225.95	-75.55	-313.98	-6,602.81	740.87	301.35	439.52	1.686		
14,838.32	7,144.00	14,642.88	6,959.19	227.70	227.04	-75.57	-314.13	-6,641.12	741.77	300.11	441.66	1.679		
14,900.00	7,144.12	14,704.55	6,959.36	229.45	228.78	-75.59	-314.36	-6,702.79	742.58	297.49	445.09	1.668		
15,000.00	7,144.32	14,804.53	6,959.62	232.26	231.60	-75.56	-314.73	-6,802.77	741.15	290.62	450.53	1.645		
15,027.81	7,144.37	14,832.32	6,959.70	233.04	232.39	-75.53	-314.84	-6,830.56	740.15	288.14	452.02	1.637		
15,100.00	7,144.51	14,904.45	6,959.89	235.07	234.43	-75.48	-315.11	-6,902.69	737.23	281.36	455.86	1.617		
15,200.00	7,144.71	15,004.36	6,960.16	237.87	237.25	-75.40	-315.48	-7,002.60	733.17	271.98	461.19	1.590		
15,300.00	7,144.91	15,104.28	6,960.42	240.68	240.08	-75.33	-315.86	-7,102.51	729.12	262.60	466.52	1.563		
15,400.00	7,145.10	15,204.19	6,960.69	243.48	242.91	-75.25	-316.23	-7,202.42	725.07	253.23	471.83	1.537		
15,500.00	7,145.30	15,304.10	6,960.95	246.29	245.73	-75.17	-316.61	-7,302.34	721.02	243.87	477.15	1.511		
15,600.00	7,145.50	15,404.02	6,961.22	249.10	248.56	-75.09	-316.98	-7,402.25	716.97	234.51	482.46	1.486 Level 3		
15,700.00	7,145.69	15,503.93	6,961.48	251.91	251.39	-75.01	-317.36	-7,502.16	712.93	225.16	487.76	1.462 Level 3		
15,800.00	7,145.89	15,603.84	6,961.75	254.71	254.22	-74.93	-317.73	-7,602.07	708.88	215.82	493.06	1.438 Level 3		
15,900.00	7,146.09	15,703.76	6,962.02	257.52	257.05	-74.84	-318.11	-7,701.98	704.84	206.48	498.36	1.414 Level 3		
16,000.00	7,146.28	15,803.67	6,962.28	260.34	259.88	-74.76	-318.48	-7,801.90	700.80	197.15	503.65	1.391 Level 3		
16,100.00	7,146.48	15,903.58	6,962.55	263.15	262.71	-74.68	-318.86	-7,901.81	696.76	187.83	508.93	1.369 Level 3		
16,200.00	7,146.68	16,003.49	6,962.81	265.96	265.54	-74.59	-319.23	-8,001.72	692.72	178.51	514.21	1.347 Level 3		
16,300.00	7,146.87	16,103.41	6,963.08	268.77	268.37	-74.50	-319.61	-8,101.63	688.68	169.20	519.48	1.326 Level 3		
16,400.00	7,147.07	16,203.32	6,963.35	271.58	271.21	-74.42	-319.98	-8,201.54	684.64	159.90	524.74	1.305 Level 3		
16,500.00	7,147.27	16,303.23	6,963.61	274.40	274.04	-74.33	-320.36	-8,301.45	680.61	150.61	530.00	1.284 Level 3		
16,600.00	7,147.46	16,403.15	6,963.88	277.21	276.87	-74.24	-320.73	-8,401.37	676.58	141.33	535.25	1.264 Level 3		
16,700.00	7,147.66	16,503.06	6,964.14	280.03	279.71	-74.15	-321.11	-8,501.28	672.55	132.05	540.49	1.244 Level 2		
16,800.00	7,147.86	16,602.97	6,964.41	282.84	282.54	-74.06	-321.48	-8,601.19	668.52	122.79	545.73	1.225 Level 2		
16,900.00	7,148.05	16,702.89	6,964.67	285.66	285.37	-73.96	-321.86	-8,701.10	664.49	113.53	550.96	1.206 Level 2		
17,000.00	7,148.25	16,802.80	6,964.94	288.48	288.21	-73.87	-322.23	-8,801.01	660.46	104.28	556.18	1.187 Level 2		
17,100.00	7,148.45	16,902.71	6,965.21	291.29	291.05	-73.77	-322.61	-8,900.93	656.44	95.04	561.39	1.169 Level 2		
17,200.00	7,148.64	17,002.63	6,965.47	294.11	293.88	-73.68	-322.98	-9,000.84	652.42	85.82	566.60	1.151 Level 2		
17,300.00	7,148.84	17,102.54	6,965.74	296.93	296.72	-73.58	-323.36	-9,100.75	648.40	76.60	571.80	1.134 Level 2		
17,400.00	7,149.04	17,202.45	6,966.00	299.75	299.55	-73.48	-323.73	-9,200.66	644.38	67.39	576.98	1.117 Level 2		
17,500.00	7,149.23	17,302.36	6,966.27	302.57	302.39	-73.38	-324.11	-9,300.57	640.36	58.20	582.16	1.100 Level 2		
17,600.00	7,149.43	17,402.28	6,966.54	305.39	305.23	-73.28	-324.48	-9,400.49	636.35	49.01	587.33	1.083 Level 2		
17,700.00	7,149.63	17,502.19	6,966.80	308.21	308.07	-73.18	-324.86	-9,500.40	632.34	39.84	592.49	1.067 Level 2		
17,800.00	7,149.82	17,602.10	6,967.07	311.03	310.91	-73.07	-325.23	-9,600.31	628.33	30.68	597.64	1.051 Level 2		
17,900.00	7,150.02	17,702.02	6,967.33	313.85	313.74	-72.97	-325.61	-9,700.22	624.32	21.53	602.78	1.036 Level 2		
18,000.00	7,150.22	17,801.93	6,967.60	316.67	316.58	-72.86	-325.98	-9,800.13	620.31	12.40	607.91	1.020 Level 2		
18,100.00	7,150.41	17,901.84	6,967.86	319.49	319.42	-72.75	-326.36	-9,900.05	616.31	3.28	613.03	1.005 Level 2		
18,200.00	7,150.61	18,001.76	6,968.13	322.32	322.26	-72.64	-326.73	-9,999.96	612.31	-5.83	618.14	0.991 Level 1		
18,300.00	7,150.81	18,101.67	6,968.40	325.14	325.10	-72.53	-327.11	-10,099.87	608.31	-14.93	623.24	0.976 Level 1		
18,400.00	7,151.00	18,201.58	6,968.66	327.96	327.94	-72.42	-327.48	-10,199.78	604.31	-24.01	628.32	0.962 Level 1		
18,500.00	7,151.20	18,301.49	6,968.93	330.78	330.78	-72.30	-327.86	-10,299.69	600.31	-33.08	633.39	0.948 Level 1		
18,600.00	7,151.40	18,401.41	6,969.19	333.61	333.62	-72.19	-328.23	-10,399.61	596.32	-42.13	638.45	0.934 Level 1		
18,700.00	7,151.59	18,501.32	6,969.46	336.43	336.46	-72.07	-328.61	-10,499.52	592.33	-51.17	643.50	0.920 Level 1		
18,800.00	7,151.79	18,601.23	6,969.73	339.26	339.30	-71.95	-328.98	-10,599.43	588.34	-60.19	648.53	0.907 Level 1		
18,906.26	7,152.00	18,707.40	6,970.01	342.26	342.32	-71.83	-329.38	-10,705.60	584.11	-69.76	653.87	0.893 Level 1, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-30.24	-0.28	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-30.24	-0.28	30.24	23.67	6.57	4.604		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-30.24	-0.28	30.24	23.57	6.67	4.531 CC		
300.00	299.98	299.98	299.98	3.44	3.44	103.73	-30.24	-0.28	30.61	23.72	6.89	4.444		
400.00	399.84	399.94	399.92	3.60	3.60	109.68	-30.41	1.46	32.08	24.88	7.20	4.457		
500.00	499.45	500.00	499.84	3.81	3.80	114.58	-30.91	6.67	34.77	27.17	7.60	4.575		
600.00	598.70	600.15	599.60	4.06	4.04	118.23	-31.75	15.36	38.55	30.46	8.09	4.767		
700.00	697.47	700.37	699.07	4.34	4.31	120.68	-32.92	27.52	43.32	34.66	8.65	5.006		
785.50	781.43	786.11	783.78	4.61	4.58	121.99	-34.19	40.67	48.12	38.92	9.20	5.232		
800.00	795.63	800.65	798.11	4.66	4.62	122.13	-34.43	43.16	48.98	39.68	9.29	5.270		
900.00	893.55	901.02	896.62	5.02	4.97	120.95	-36.27	62.25	54.32	44.33	9.99	5.435		
1,000.00	991.47	1,001.21	994.24	5.40	5.35	116.75	-38.43	84.65	58.90	48.16	10.75	5.480		
1,100.00	1,089.39	1,100.98	1,091.21	5.80	5.75	112.19	-40.69	108.03	63.61	52.06	11.55	5.508		
1,200.00	1,187.31	1,200.75	1,188.18	6.21	6.18	108.29	-42.94	131.41	68.67	56.28	12.39	5.544		
1,300.00	1,285.22	1,300.52	1,285.14	6.64	6.62	104.93	-45.20	154.79	73.99	60.74	13.25	5.584		
1,400.00	1,383.14	1,400.29	1,382.11	7.08	7.07	102.03	-47.45	178.17	79.54	65.40	14.14	5.626		
1,500.00	1,481.06	1,500.06	1,479.07	7.52	7.54	99.51	-49.71	201.56	85.27	70.22	15.04	5.668		
1,600.00	1,578.98	1,600.17	1,576.04	7.98	8.02	97.31	-51.96	224.94	91.14	75.17	15.96	5.709		
1,700.00	1,676.90	1,700.40	1,673.00	8.44	8.50	95.38	-54.22	248.32	97.12	80.23	16.89	5.749		
1,800.00	1,774.82	1,800.63	1,769.97	8.90	8.99	93.68	-56.47	271.70	103.20	85.37	17.83	5.787		
1,900.00	1,872.74	1,900.86	1,866.94	9.37	9.49	92.17	-58.73	295.08	109.37	90.58	18.78	5.823		
2,000.00	1,970.66	2,001.09	1,963.90	9.84	9.99	90.82	-60.99	318.46	115.60	95.86	19.74	5.857		
2,100.00	2,068.57	2,101.32	2,060.87	10.32	10.49	89.61	-63.24	341.85	121.89	101.19	20.70	5.889		
2,200.00	2,166.49	2,201.55	2,157.83	10.80	11.00	88.51	-65.50	365.23	128.22	106.56	21.66	5.920		
2,300.00	2,264.41	2,301.78	2,254.80	11.28	11.51	87.52	-67.75	388.61	134.60	111.98	22.63	5.948		
2,400.00	2,362.33	2,402.00	2,351.77	11.76	12.02	86.62	-70.01	411.99	141.02	117.42	23.60	5.975		
2,500.00	2,460.25	2,502.23	2,448.73	12.24	12.54	85.80	-72.26	435.37	147.47	122.89	24.57	6.001		
2,600.00	2,558.17	2,602.46	2,545.70	12.73	13.06	85.05	-74.52	458.75	153.94	128.39	25.55	6.025		
2,700.00	2,656.09	2,702.69	2,642.66	13.22	13.57	84.36	-76.77	482.14	160.44	133.91	26.53	6.047		
2,800.00	2,754.01	2,802.92	2,739.63	13.71	14.09	83.72	-79.03	505.52	166.96	139.45	27.51	6.068		
2,900.00	2,851.92	2,903.15	2,836.59	14.20	14.62	83.13	-81.28	528.90	173.51	145.01	28.50	6.088		
3,000.00	2,949.84	3,003.38	2,933.56	14.69	15.14	82.58	-83.54	552.28	180.06	150.58	29.49	6.107		
3,100.00	3,047.76	3,103.61	3,030.53	15.18	15.66	82.08	-85.79	575.66	186.64	156.16	30.47	6.125		
3,200.00	3,145.68	3,203.84	3,127.49	15.67	16.19	81.60	-88.05	599.04	193.22	161.76	31.46	6.141		
3,300.00	3,243.60	3,304.07	3,224.46	16.17	16.72	81.16	-90.30	622.43	199.82	167.37	32.45	6.157		
3,400.00	3,341.52	3,395.70	3,321.42	16.66	17.20	80.75	-92.56	645.81	206.43	173.03	33.40	6.181		
3,500.00	3,439.44	3,495.47	3,418.39	17.16	17.72	80.36	-94.81	669.19	213.05	178.66	34.39	6.195		
3,600.00	3,537.36	3,595.24	3,515.36	17.65	18.25	79.99	-97.07	692.57	219.68	184.30	35.38	6.209		
3,700.00	3,635.27	3,704.99	3,612.32	18.15	18.83	79.65	-99.32	715.95	226.31	189.89	36.42	6.213		
3,800.00	3,733.19	3,794.78	3,709.29	18.65	19.30	79.32	-101.58	739.33	232.96	195.59	37.37	6.235		
3,900.00	3,831.11	3,894.55	3,806.25	19.14	19.83	79.02	-103.83	762.72	239.61	201.25	38.36	6.246		
4,000.00	3,929.03	4,005.68	3,903.22	19.64	20.42	78.73	-106.09	786.10	246.27	206.86	39.41	6.248		
4,100.00	4,026.95	4,094.10	4,000.18	20.14	20.89	78.45	-108.35	809.48	252.93	212.58	40.35	6.269		
4,200.00	4,124.87	4,206.13	4,097.15	20.64	21.48	78.19	-110.60	832.86	259.60	218.19	41.41	6.269		
4,300.00	4,222.79	4,306.36	4,194.12	21.14	22.01	77.95	-112.86	856.24	266.28	223.87	42.41	6.279		
4,400.00	4,320.71	4,406.59	4,291.08	21.64	22.54	77.71	-115.11	879.63	272.96	229.55	43.41	6.288		
4,500.00	4,418.62	4,506.82	4,388.05	22.14	23.08	77.49	-117.37	903.01	279.64	235.23	44.41	6.297		
4,600.00	4,516.54	4,592.95	4,485.01	22.64	23.53	77.27	-119.62	926.39	286.33	240.99	45.33	6.316		
4,700.00	4,614.46	4,692.72	4,581.98	23.14	24.07	77.07	-121.88	949.77	293.02	246.69	46.33	6.324		
4,800.00	4,712.38	4,807.51	4,678.95	23.64	24.68	76.88	-124.13	973.15	299.72	252.31	47.41	6.322		
4,900.00	4,810.30	4,907.74	4,775.91	24.14	25.21	76.69	-126.39	996.53	306.41	258.00	48.41	6.329		
5,000.00	4,908.22	5,007.97	4,872.88	24.64	25.74	76.51	-128.64	1,019.92	313.12	263.70	49.41	6.337		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,108.20	4,969.84	25.14	26.28	76.34	-130.90	1,043.30	319.82	269.40	50.42	6.344		
5,200.00	5,104.06	5,208.43	5,066.81	25.64	26.81	76.18	-133.15	1,066.68	326.53	275.11	51.42	6.350		
5,300.00	5,201.97	5,291.34	5,163.78	26.14	27.25	76.02	-135.41	1,090.06	333.24	280.90	52.33	6.368		
5,400.00	5,299.89	5,391.11	5,260.74	26.64	27.79	75.87	-137.66	1,113.44	339.95	286.62	53.33	6.374		
5,500.00	5,397.81	5,492.98	5,359.79	27.15	28.33	75.75	-139.95	1,137.11	346.56	292.21	54.36	6.376		
5,600.00	5,495.73	5,599.15	5,463.70	27.65	28.87	76.07	-142.04	1,158.81	351.77	296.35	55.42	6.347		
5,700.00	5,593.65	5,705.26	5,568.27	28.15	29.37	76.93	-143.76	1,176.66	355.22	298.74	56.48	6.289		
5,800.00	5,691.57	5,811.01	5,673.09	28.65	29.85	78.33	-145.10	1,190.59	357.05	299.53	57.52	6.207		
5,900.00	5,789.49	5,916.11	5,777.70	29.15	30.30	80.25	-146.07	1,200.62	357.50	298.94	58.56	6.104		
6,000.00	5,887.41	6,020.30	5,881.70	29.66	30.71	82.71	-146.67	1,206.79	356.89	297.30	59.60	5.988		
6,100.00	5,985.32	6,123.31	5,984.68	30.16	31.10	85.71	-146.90	1,209.18	355.67	295.04	60.63	5.866		
6,200.00	6,083.24	6,221.88	6,083.24	30.66	31.46	88.92	-146.90	1,209.22	354.71	293.06	61.66	5.753		
6,233.51	6,116.05	6,254.69	6,116.05	30.83	31.57	90.00	-146.90	1,209.22	354.65	292.66	61.99	5.721		
6,300.00	6,181.16	6,319.80	6,181.16	31.16	31.81	92.13	-146.90	1,209.22	354.91	292.25	62.65	5.665		
6,400.00	6,279.08	6,417.72	6,279.08	31.67	32.16	95.33	-146.90	1,209.22	356.26	292.64	63.62	5.600		
6,490.03	6,367.24	6,505.88	6,367.24	32.12	32.48	98.18	-146.90	1,209.22	358.45	293.99	64.46	5.561		
6,500.00	6,377.01	6,515.65	6,377.01	32.17	32.52	99.44	-146.90	1,209.22	358.75	294.20	64.55	5.558		
6,550.00	6,426.43	6,565.07	6,426.43	32.40	32.70	109.16	-146.90	1,209.22	360.49	295.51	64.99	5.547		
6,600.00	6,476.27	6,614.44	6,476.27	32.61	32.87	144.87	-146.91	1,207.06	362.46	297.09	65.38	5.544		
6,650.00	6,526.21	6,663.40	6,524.33	32.80	33.04	-127.85	-146.94	1,201.17	364.62	298.88	65.74	5.546		
6,700.00	6,575.96	6,711.95	6,571.93	32.98	33.21	-105.79	-146.99	1,191.65	366.95	300.86	66.09	5.552		
6,750.00	6,625.19	6,760.12	6,618.30	33.16	33.40	-98.51	-147.06	1,178.65	369.43	302.98	66.45	5.560		
6,800.00	6,673.62	6,807.92	6,663.21	33.35	33.59	-94.62	-147.15	1,162.32	372.03	305.22	66.81	5.569		
6,850.00	6,720.94	6,855.38	6,706.47	33.55	33.80	-92.02	-147.25	1,142.82	374.73	307.56	67.18	5.578		
6,900.00	6,766.86	6,902.51	6,747.87	33.76	34.02	-90.05	-147.37	1,120.32	377.51	309.95	67.56	5.588		
6,950.00	6,811.10	6,949.35	6,787.26	33.98	34.27	-88.46	-147.50	1,094.98	380.34	312.38	67.96	5.596		
7,000.00	6,853.38	6,995.91	6,824.45	34.23	34.53	-87.12	-147.65	1,067.00	383.19	314.81	68.39	5.603		
7,050.00	6,893.45	7,042.22	6,859.32	34.50	34.82	-85.96	-147.81	1,036.54	386.04	317.19	68.85	5.607		
7,100.00	6,931.05	7,088.29	6,891.73	34.79	35.13	-84.95	-147.98	1,003.81	388.87	319.51	69.36	5.607		
7,150.00	6,965.96	7,134.15	6,921.55	35.12	35.47	-84.06	-148.16	968.98	391.63	321.72	69.91	5.602		
7,200.00	6,997.96	7,179.83	6,948.69	35.47	35.85	-83.27	-148.35	932.24	394.33	323.80	70.53	5.591		
7,250.00	7,026.85	7,225.35	6,973.04	35.86	36.25	-82.59	-148.55	893.80	396.92	325.71	71.21	5.574		
7,300.00	7,052.45	7,270.73	6,994.51	36.29	36.68	-82.00	-148.76	853.84	399.39	327.42	71.97	5.550		
7,350.00	7,074.61	7,315.99	7,013.05	36.76	37.15	-81.50	-148.98	812.55	401.72	328.91	72.81	5.518		
7,400.00	7,093.19	7,361.16	7,028.58	37.27	37.64	-81.08	-149.20	770.15	403.88	330.16	73.73	5.478		
7,450.00	7,108.07	7,406.26	7,041.04	37.81	38.16	-80.74	-149.43	726.82	405.88	331.15	74.73	5.431		
7,500.00	7,119.17	7,451.31	7,050.40	38.39	38.71	-80.48	-149.66	682.76	407.69	331.88	75.81	5.378		
7,550.00	7,126.41	7,496.33	7,056.61	38.99	39.28	-80.31	-149.89	638.18	409.29	332.33	76.96	5.318		
7,600.00	7,129.75	7,541.34	7,059.66	39.62	39.87	-80.21	-150.13	593.28	410.69	332.51	78.17	5.254		
7,616.41	7,130.00	7,556.12	7,059.97	39.83	40.07	-80.19	-150.21	578.51	411.10	332.52	78.58	5.232		
7,700.00	7,130.16	7,639.20	7,060.18	40.97	41.24	-80.25	-150.64	495.43	413.22	332.35	80.88	5.109		
7,800.00	7,130.35	7,739.16	7,060.41	42.46	42.77	-80.31	-151.17	395.47	415.77	331.89	83.88	4.957		
7,900.00	7,130.55	7,839.13	7,060.64	44.09	44.43	-80.38	-151.69	295.50	418.32	331.17	87.15	4.800		
8,000.00	7,130.74	7,939.10	7,060.87	45.84	46.20	-80.44	-152.21	195.54	420.87	330.21	90.66	4.642		
8,100.00	7,130.94	8,039.06	7,061.10	47.70	48.08	-80.51	-152.74	95.57	423.42	329.05	94.38	4.487		
8,200.00	7,131.13	8,139.03	7,061.33	49.65	50.06	-80.57	-153.26	-4.39	425.97	327.69	98.28	4.334		
8,300.00	7,131.32	8,238.99	7,061.56	51.70	52.11	-80.63	-153.78	-104.36	428.52	326.18	102.35	4.187		
8,400.00	7,131.52	8,338.96	7,061.79	53.81	54.24	-80.69	-154.31	-204.32	431.08	324.51	106.56	4.045		
8,500.00	7,131.71	8,438.93	7,062.02	55.99	56.44	-80.75	-154.83	-304.28	433.63	322.72	110.91	3.910		
8,600.00	7,131.90	8,538.89	7,062.25	58.24	58.69	-80.81	-155.36	-404.25	436.18	320.81	115.37	3.781		
8,700.00	7,132.10	8,638.86	7,062.48	60.53	60.99	-80.87	-155.88	-504.21	438.73	318.80	119.94	3.658		
8,800.00	7,132.29	8,738.83	7,062.71	62.87	63.34	-80.93	-156.40	-604.18	441.29	316.69	124.59	3.542		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	14,037.05	7,074.93	206.83	207.01	-83.27	-184.17	-5,902.31	577.13	166.08	411.05	1.404	Level 3	
14,200.00	7,142.76	14,137.01	7,075.16	209.65	209.83	-83.30	-184.69	-6,002.28	579.70	163.02	416.68	1.391	Level 3	
14,300.00	7,142.96	14,236.98	7,075.39	212.48	212.64	-83.34	-185.21	-6,102.24	582.27	159.96	422.32	1.379	Level 3	
14,400.00	7,143.15	14,336.94	7,075.62	215.30	215.46	-83.37	-185.74	-6,202.21	584.84	156.89	427.95	1.367	Level 3	
14,500.00	7,143.34	14,436.91	7,075.85	218.13	218.28	-83.40	-186.26	-6,302.17	587.41	153.83	433.59	1.355	Level 3	
14,600.00	7,143.54	14,536.88	7,076.08	220.96	221.10	-83.44	-186.79	-6,402.13	589.98	150.76	439.23	1.343	Level 3	
14,700.00	7,143.73	14,636.84	7,076.31	223.79	223.92	-83.47	-187.31	-6,502.10	592.55	147.69	444.87	1.332	Level 3	
14,800.00	7,143.93	14,736.81	7,076.54	226.62	226.74	-83.50	-187.83	-6,602.06	595.13	144.62	450.51	1.321	Level 3	
14,838.32	7,144.00	14,775.12	7,076.63	227.70	227.82	-83.51	-188.03	-6,640.37	596.11	143.44	452.67	1.317	Level 3	
14,900.00	7,144.12	14,836.79	7,076.77	229.45	229.57	-83.52	-188.36	-6,702.04	597.04	140.89	456.15	1.309	Level 3	
15,000.00	7,144.32	14,936.78	7,077.00	232.26	232.39	-83.51	-188.88	-6,802.03	595.74	133.99	461.75	1.290	Level 3	
15,027.81	7,144.37	14,964.57	7,077.07	233.04	233.18	-83.49	-189.03	-6,829.82	594.76	131.46	463.30	1.284	Level 3	
15,100.00	7,144.51	15,036.70	7,077.23	235.07	235.21	-83.46	-189.41	-6,901.95	591.87	124.56	467.31	1.267	Level 3	
15,200.00	7,144.71	15,136.62	7,077.46	237.87	238.04	-83.42	-189.93	-7,001.87	587.87	115.00	472.87	1.243	Level 2	
15,300.00	7,144.91	15,236.54	7,077.69	240.68	240.86	-83.38	-190.45	-7,101.78	583.87	105.44	478.43	1.220	Level 2	
15,400.00	7,145.10	15,336.46	7,077.92	243.48	243.69	-83.34	-190.98	-7,201.70	579.88	95.88	483.99	1.198	Level 2	
15,500.00	7,145.30	15,436.38	7,078.16	246.29	246.51	-83.29	-191.50	-7,301.62	575.88	86.32	489.56	1.176	Level 2	
15,600.00	7,145.50	15,536.30	7,078.39	249.10	249.34	-83.25	-192.02	-7,401.54	571.88	76.77	495.12	1.155	Level 2	
15,700.00	7,145.69	15,636.21	7,078.62	251.91	252.17	-83.21	-192.55	-7,501.45	567.89	67.21	500.68	1.134	Level 2	
15,800.00	7,145.89	15,736.13	7,078.85	254.71	255.00	-83.16	-193.07	-7,601.37	563.89	57.65	506.24	1.114	Level 2	
15,900.00	7,146.09	15,836.05	7,079.08	257.52	257.83	-83.12	-193.59	-7,701.29	559.89	48.10	511.80	1.094	Level 2	
16,000.00	7,146.28	15,935.97	7,079.31	260.34	260.65	-83.07	-194.12	-7,801.21	555.90	38.54	517.35	1.074	Level 2	
16,100.00	7,146.48	16,035.89	7,079.54	263.15	263.48	-83.02	-194.64	-7,901.12	551.90	28.99	522.91	1.055	Level 2	
16,200.00	7,146.68	16,135.81	7,079.77	265.96	266.32	-82.98	-195.16	-8,001.04	547.91	19.44	528.47	1.037	Level 2	
16,300.00	7,146.87	16,235.73	7,080.00	268.77	269.15	-82.93	-195.69	-8,100.96	543.91	9.89	534.03	1.019	Level 2	
16,400.00	7,147.07	16,335.65	7,080.23	271.58	271.98	-82.88	-196.21	-8,200.88	539.92	0.34	539.58	1.001	Level 2	
16,500.00	7,147.27	16,435.57	7,080.46	274.40	274.81	-82.83	-196.74	-8,300.79	535.92	-9.21	545.13	0.983	Level 1	
16,600.00	7,147.46	16,535.49	7,080.69	277.21	277.64	-82.78	-197.26	-8,400.71	531.93	-18.76	550.69	0.966	Level 1	
16,700.00	7,147.66	16,635.41	7,080.92	280.03	280.48	-82.73	-197.78	-8,500.63	527.94	-28.30	556.24	0.949	Level 1	
16,800.00	7,147.86	16,735.32	7,081.15	282.84	283.31	-82.68	-198.31	-8,600.55	523.95	-37.84	561.79	0.933	Level 1	
16,900.00	7,148.05	16,835.24	7,081.38	285.66	286.14	-82.62	-198.83	-8,700.46	519.95	-47.38	567.33	0.916	Level 1	
17,000.00	7,148.25	16,935.16	7,081.61	288.48	288.98	-82.57	-199.35	-8,800.38	515.96	-56.92	572.88	0.901	Level 1	
17,100.00	7,148.45	17,035.08	7,081.84	291.29	291.81	-82.51	-199.88	-8,900.30	511.97	-66.45	578.42	0.885	Level 1	
17,200.00	7,148.64	17,135.00	7,082.07	294.11	294.65	-82.46	-200.40	-9,000.22	507.98	-75.99	583.97	0.870	Level 1	
17,300.00	7,148.84	17,234.92	7,082.30	296.93	297.48	-82.40	-200.92	-9,100.13	503.99	-85.52	589.51	0.855	Level 1	
17,400.00	7,149.04	17,334.84	7,082.53	299.75	300.32	-82.35	-201.45	-9,200.05	500.00	-95.05	595.04	0.840	Level 1	
17,500.00	7,149.23	17,434.76	7,082.76	302.57	303.16	-82.29	-201.97	-9,299.97	496.01	-104.57	600.58	0.826	Level 1	
17,600.00	7,149.43	17,534.68	7,082.99	305.39	305.99	-82.23	-202.50	-9,399.89	492.02	-114.09	606.11	0.812	Level 1	
17,700.00	7,149.63	17,634.60	7,083.22	308.21	308.83	-82.17	-203.02	-9,499.80	488.03	-123.61	611.64	0.798	Level 1	
17,800.00	7,149.82	17,734.52	7,083.45	311.03	311.67	-82.11	-203.54	-9,599.72	484.04	-133.13	617.17	0.784	Level 1	
17,900.00	7,150.02	17,834.44	7,083.68	313.85	314.50	-82.05	-204.07	-9,699.64	480.06	-142.64	622.70	0.771	Level 1	
18,000.00	7,150.22	17,934.35	7,083.91	316.67	317.34	-81.98	-204.59	-9,799.56	476.07	-152.15	628.22	0.758	Level 1	
18,100.00	7,150.41	18,034.27	7,084.14	319.49	320.18	-81.92	-205.11	-9,899.47	472.08	-161.65	633.74	0.745	Level 1	
18,200.00	7,150.61	18,134.19	7,084.37	322.32	323.02	-81.85	-205.64	-9,999.39	468.10	-171.16	639.26	0.732	Level 1	
18,300.00	7,150.81	18,234.11	7,084.61	325.14	325.86	-81.79	-206.16	-10,099.31	464.11	-180.65	644.77	0.720	Level 1	
18,400.00	7,151.00	18,334.03	7,084.84	327.96	328.70	-81.72	-206.68	-10,199.23	460.13	-190.15	650.28	0.708	Level 1	
18,500.00	7,151.20	18,433.95	7,085.07	330.78	331.54	-81.65	-207.21	-10,299.14	456.15	-199.63	655.78	0.696	Level 1	
18,600.00	7,151.40	18,533.87	7,085.30	333.61	334.38	-81.58	-207.73	-10,399.06	452.16	-209.12	661.28	0.684	Level 1	
18,700.00	7,151.59	18,633.79	7,085.53	336.43	337.22	-81.51	-208.25	-10,498.98	448.18	-218.60	666.78	0.672	Level 1	
18,800.00	7,151.79	18,733.71	7,085.76	339.26	340.06	-81.44	-208.78	-10,598.90	444.20	-228.07	672.27	0.661	Level 1	
18,906.26	7,152.00	18,839.89	7,086.00	342.26	343.08	-81.36	-209.33	-10,705.07	439.97	-238.14	678.11	0.649	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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-75.04	-0.56	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	-179.58	-75.04	-0.56	75.05	68.48	6.57	11.423		
200.00	200.00	200.00	200.00	3.34	3.34	-179.58	-75.04	-0.56	75.05	68.37	6.67	11.244 CC, ES		
300.00	299.98	298.71	298.69	3.44	3.44	100.56	-75.89	0.92	76.21	69.33	6.89	11.069		
400.00	399.84	397.34	397.18	3.60	3.59	100.95	-78.44	5.33	79.71	72.51	7.20	11.076		
500.00	499.45	495.80	495.28	3.81	3.79	101.53	-82.67	12.66	85.54	77.94	7.60	11.250		
600.00	598.70	594.03	592.79	4.06	4.03	102.19	-88.57	22.87	93.71	85.62	8.09	11.576		
700.00	697.47	691.93	689.52	4.34	4.30	102.88	-96.11	35.93	104.20	95.54	8.66	12.030		
785.50	781.43	775.33	771.47	4.61	4.57	103.43	-103.83	49.31	115.00	105.80	9.20	12.498		
800.00	795.63	789.44	785.29	4.66	4.62	103.54	-105.26	51.77	116.99	107.70	9.30	12.583		
900.00	893.55	886.98	880.43	5.02	4.97	103.49	-115.99	70.37	131.52	121.53	9.99	13.161		
1,000.00	991.47	985.84	976.64	5.40	5.36	103.09	-127.37	90.08	146.49	135.75	10.74	13.641		
1,100.00	1,089.39	1,084.71	1,072.85	5.80	5.77	102.76	-138.75	109.79	161.47	149.95	11.53	14.009		
1,200.00	1,187.31	1,183.58	1,169.07	6.21	6.20	102.48	-150.13	129.50	176.46	164.11	12.35	14.292		
1,300.00	1,285.22	1,282.45	1,265.28	6.64	6.64	102.25	-161.51	149.22	191.44	178.25	13.19	14.511		
1,400.00	1,383.14	1,381.31	1,361.49	7.08	7.09	102.05	-172.89	168.93	206.43	192.37	14.06	14.681		
1,500.00	1,481.06	1,480.18	1,457.70	7.52	7.56	101.88	-184.27	188.64	221.42	206.48	14.95	14.813		
1,600.00	1,578.98	1,579.05	1,553.91	7.98	8.03	101.73	-195.66	208.35	236.42	220.57	15.85	14.917		
1,700.00	1,676.90	1,677.92	1,650.13	8.44	8.51	101.60	-207.04	228.06	251.41	234.65	16.76	14.998		
1,800.00	1,774.82	1,776.79	1,746.34	8.90	8.99	101.48	-218.42	247.77	266.41	248.72	17.69	15.061		
1,900.00	1,872.74	1,875.65	1,842.55	9.37	9.48	101.38	-229.80	267.49	281.40	262.78	18.62	15.111		
2,000.00	1,970.66	1,974.52	1,938.76	9.84	9.98	101.28	-241.18	287.20	296.40	276.84	19.56	15.150		
2,100.00	2,068.57	2,073.39	2,034.97	10.32	10.47	101.20	-252.56	306.91	311.40	290.89	20.51	15.181		
2,200.00	2,166.49	2,172.26	2,131.19	10.80	10.97	101.12	-263.94	326.62	326.40	304.93	21.47	15.205		
2,300.00	2,264.41	2,271.13	2,227.40	11.28	11.47	101.05	-275.32	346.33	341.40	318.97	22.43	15.223		
2,400.00	2,362.33	2,369.99	2,323.61	11.76	11.98	100.99	-286.70	366.05	356.40	333.01	23.39	15.237		
2,500.00	2,460.25	2,468.86	2,419.82	12.24	12.49	100.93	-298.08	385.76	371.40	347.04	24.36	15.247		
2,600.00	2,558.17	2,567.73	2,516.04	12.73	12.99	100.87	-309.46	405.47	386.40	361.07	25.33	15.255		
2,700.00	2,656.09	2,666.60	2,612.25	13.22	13.51	100.82	-320.84	425.18	401.40	375.10	26.30	15.260		
2,800.00	2,754.01	2,765.46	2,708.46	13.71	14.02	100.77	-332.22	444.89	416.40	389.12	27.28	15.264		
2,900.00	2,851.92	2,864.33	2,804.67	14.20	14.53	100.73	-343.60	464.61	431.40	403.14	28.26	15.265		
3,000.00	2,949.84	2,963.20	2,900.88	14.69	15.04	100.69	-354.98	484.32	446.40	417.16	29.24	15.266		
3,100.00	3,047.76	3,062.07	2,997.10	15.18	15.56	100.65	-366.37	504.03	461.41	431.18	30.23	15.265		
3,200.00	3,145.68	3,160.94	3,093.31	15.67	16.07	100.62	-377.75	523.74	476.41	445.20	31.21	15.264		
3,300.00	3,243.60	3,259.80	3,189.52	16.17	16.59	100.58	-389.13	543.45	491.41	459.21	32.20	15.262		
3,400.00	3,341.52	3,358.67	3,285.73	16.66	17.11	100.55	-400.51	563.16	506.41	473.23	33.19	15.259		
3,500.00	3,439.44	3,457.54	3,381.94	17.16	17.63	100.52	-411.89	582.88	521.42	487.24	34.18	15.256		
3,600.00	3,537.36	3,556.41	3,478.16	17.65	18.14	100.49	-423.27	602.59	536.42	501.25	35.17	15.252		
3,700.00	3,635.27	3,655.28	3,574.37	18.15	18.66	100.47	-434.65	622.30	551.42	515.26	36.16	15.249		
3,800.00	3,733.19	3,754.14	3,670.58	18.65	19.18	100.44	-446.03	642.01	566.42	529.27	37.16	15.245		
3,900.00	3,831.11	3,853.01	3,766.79	19.14	19.70	100.42	-457.41	661.72	581.43	543.28	38.15	15.240		
4,000.00	3,929.03	3,951.88	3,863.01	19.64	20.22	100.40	-468.79	681.44	596.43	557.28	39.15	15.236		
4,100.00	4,026.95	4,050.75	3,959.22	20.14	20.75	100.37	-480.17	701.15	611.43	571.29	40.14	15.232		
4,200.00	4,124.87	4,149.61	4,055.43	20.64	21.27	100.35	-491.55	720.86	626.44	585.30	41.14	15.227		
4,300.00	4,222.79	4,248.48	4,151.64	21.14	21.79	100.33	-502.93	740.57	641.44	599.30	42.14	15.222		
4,400.00	4,320.71	4,347.35	4,247.85	21.64	22.31	100.32	-514.31	760.28	656.44	613.31	43.14	15.218		
4,500.00	4,418.62	4,446.22	4,344.07	22.14	22.83	100.30	-525.69	780.00	671.45	627.31	44.14	15.213		
4,600.00	4,516.54	4,545.09	4,440.28	22.64	23.36	100.28	-537.08	799.71	686.45	641.32	45.14	15.209		
4,700.00	4,614.46	4,643.95	4,536.49	23.14	23.88	100.26	-548.46	819.42	701.45	655.32	46.14	15.204		
4,800.00	4,712.38	4,742.82	4,632.70	23.64	24.40	100.25	-559.84	839.13	716.46	669.32	47.14	15.200		
4,900.00	4,810.30	4,841.69	4,728.91	24.14	24.93	100.23	-571.22	858.84	731.46	683.32	48.14	15.195		
5,000.00	4,908.22	4,940.56	4,825.13	24.64	25.45	100.22	-582.60	878.55	746.47	697.33	49.14	15.191		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,039.43	4,921.34	25.14	25.97	100.21	-593.98	898.27	761.47	711.33	50.14	15.186		
5,200.00	5,104.06	5,138.29	5,017.55	25.64	26.50	100.19	-605.36	917.98	776.47	725.33	51.15	15.182		
5,300.00	5,201.97	5,237.16	5,113.76	26.14	27.02	100.18	-616.74	937.69	791.48	739.33	52.15	15.177		
5,400.00	5,299.89	5,336.03	5,209.98	26.64	27.55	100.17	-628.12	957.40	806.48	753.33	53.15	15.173		
5,500.00	5,397.81	5,434.90	5,306.19	27.15	28.07	100.16	-639.50	977.11	821.49	767.33	54.16	15.169		
5,600.00	5,495.73	5,533.76	5,402.40	27.65	28.60	100.14	-650.88	996.83	836.49	781.33	55.16	15.165		
5,700.00	5,593.65	5,632.63	5,498.61	28.15	29.12	100.13	-662.26	1,016.54	851.49	795.33	56.16	15.161		
5,800.00	5,691.57	5,731.50	5,594.82	28.65	29.65	100.12	-673.64	1,036.25	866.50	809.33	57.17	15.157		
5,900.00	5,789.49	5,830.37	5,691.04	29.15	30.17	100.11	-685.02	1,055.96	881.50	823.33	58.17	15.153		
6,000.00	5,887.41	5,929.24	5,787.25	29.66	30.70	100.10	-696.40	1,075.67	896.51	837.33	59.18	15.149		
6,100.00	5,985.32	6,028.10	5,883.46	30.16	31.22	100.09	-707.79	1,095.39	911.51	851.33	60.18	15.145		
6,200.00	6,083.24	6,126.97	5,979.67	30.66	31.75	100.08	-719.17	1,115.10	926.51	865.32	61.19	15.141		
6,300.00	6,181.16	6,225.84	6,075.88	31.16	32.28	100.08	-730.55	1,134.81	941.52	879.32	62.20	15.138		
6,400.00	6,279.08	6,324.71	6,172.10	31.67	32.80	100.07	-741.93	1,154.52	956.52	893.32	63.20	15.134		
6,490.03	6,367.24	6,413.72	6,258.72	32.12	33.28	100.06	-752.17	1,172.27	970.03	905.92	64.11	15.131		
6,500.00	6,377.01	6,423.57	6,268.31	32.17	33.33	101.12	-753.31	1,174.23	971.53	907.32	64.21	15.131		
6,550.00	6,426.43	6,472.91	6,316.32	32.40	33.59	110.05	-758.99	1,184.07	979.09	914.40	64.69	15.136		
6,600.00	6,476.27	6,521.90	6,363.99	32.61	33.85	145.02	-764.63	1,193.84	986.72	921.59	65.12	15.151		
6,650.00	6,526.21	6,572.97	6,414.06	32.80	34.10	-128.56	-770.45	1,201.92	994.38	928.84	65.54	15.172		
6,700.00	6,575.96	6,624.80	6,465.40	32.98	34.33	-107.33	-776.25	1,205.96	1,002.00	936.06	65.94	15.197		
6,750.00	6,625.19	6,677.44	6,517.72	33.16	34.52	-100.86	-781.96	1,205.76	1,009.51	943.19	66.32	15.223		
6,800.00	6,673.62	6,730.91	6,570.67	33.35	34.70	-97.75	-787.55	1,201.12	1,016.87	950.17	66.70	15.246		
6,850.00	6,720.94	6,785.23	6,623.90	33.55	34.87	-95.90	-792.97	1,191.84	1,024.03	956.93	67.10	15.262		
6,900.00	6,766.86	6,840.41	6,676.99	33.76	35.04	-94.66	-798.17	1,177.79	1,030.92	963.40	67.52	15.268		
6,950.00	6,811.10	6,896.45	6,729.48	33.98	35.23	-93.75	-803.09	1,158.86	1,037.51	969.53	67.98	15.263		
7,000.00	6,853.38	6,953.33	6,780.89	34.23	35.43	-93.04	-807.68	1,134.98	1,043.73	975.26	68.47	15.243		
7,050.00	6,893.45	7,011.04	6,830.68	34.50	35.66	-92.48	-811.87	1,106.15	1,049.54	980.52	69.02	15.207		
7,100.00	6,931.05	7,069.52	6,878.30	34.79	35.92	-92.01	-815.62	1,072.45	1,054.88	985.27	69.61	15.153		
7,150.00	6,965.96	7,128.72	6,923.19	35.12	36.21	-91.62	-818.86	1,034.02	1,059.72	989.44	70.28	15.078		
7,200.00	6,997.96	7,188.56	6,964.78	35.47	36.54	-91.28	-821.54	991.11	1,064.01	992.98	71.03	14.981		
7,250.00	7,026.85	7,248.95	7,002.52	35.86	36.92	-90.98	-823.63	944.04	1,067.71	995.85	71.86	14.858		
7,300.00	7,052.45	7,309.78	7,035.89	36.29	37.36	-90.72	-825.07	893.23	1,070.79	997.99	72.80	14.709		
7,350.00	7,074.61	7,370.93	7,064.44	36.76	37.86	-90.48	-825.85	839.18	1,073.23	999.39	73.84	14.535		
7,400.00	7,093.19	7,432.27	7,087.77	37.27	38.43	-90.28	-825.94	782.48	1,075.00	1,000.02	74.98	14.336		
7,450.00	7,108.07	7,493.65	7,105.59	37.81	39.04	-90.10	-825.34	723.77	1,076.10	999.87	76.23	14.117		
7,500.00	7,119.17	7,554.95	7,117.70	38.39	39.72	-89.94	-824.06	663.72	1,076.51	998.95	77.56	13.880		
7,550.00	7,126.41	7,616.02	7,124.00	38.99	40.43	-89.80	-822.11	603.04	1,076.24	997.28	78.96	13.630		
7,600.00	7,129.75	7,672.06	7,125.05	39.62	41.13	-89.72	-819.80	547.06	1,075.34	995.00	80.34	13.385		
7,616.41	7,130.00	7,688.46	7,125.09	39.83	41.33	-89.74	-819.09	530.68	1,074.98	994.21	80.77	13.310		
7,700.00	7,130.16	7,772.03	7,125.29	40.97	42.49	-89.74	-815.49	447.18	1,073.10	990.00	83.10	12.913		
7,800.00	7,130.35	7,872.01	7,125.53	42.46	43.99	-89.74	-811.18	347.30	1,070.86	984.71	86.15	12.431		
7,900.00	7,130.55	7,971.98	7,125.77	44.09	45.63	-89.74	-806.86	247.42	1,068.61	979.16	89.46	11.945		
8,000.00	7,130.74	8,071.96	7,126.01	45.84	47.39	-89.74	-802.55	147.54	1,066.37	973.36	93.01	11.466		
8,100.00	7,130.94	8,171.93	7,126.25	47.70	49.26	-89.75	-798.24	47.65	1,064.13	967.36	96.76	10.997		
8,200.00	7,131.13	8,271.91	7,126.49	49.65	51.23	-89.75	-793.93	-52.23	1,061.88	961.17	100.71	10.544		
8,300.00	7,131.32	8,371.88	7,126.73	51.70	53.28	-89.75	-789.62	-152.11	1,059.64	954.82	104.82	10.109		
8,400.00	7,131.52	8,471.85	7,126.97	53.81	55.40	-89.75	-785.31	-251.99	1,057.39	948.32	109.07	9.694		
8,500.00	7,131.71	8,571.83	7,127.21	55.99	57.59	-89.75	-781.00	-351.87	1,055.15	941.69	113.46	9.300		
8,600.00	7,131.90	8,671.80	7,127.45	58.24	59.84	-89.75	-776.69	-451.75	1,052.90	934.94	117.96	8.926		
8,700.00	7,132.10	8,749.66	7,127.63	60.53	61.63	-89.76	-773.97	-529.56	1,051.53	929.52	122.00	8.619		
8,705.51	7,132.11	8,753.69	7,127.64	60.66	61.72	-89.76	-773.88	-533.59	1,051.52	929.30	122.22	8.603		
8,800.00	7,132.29	8,822.80	7,127.81	62.87	63.32	-89.76	-773.29	-602.69	1,052.66	926.73	125.93	8.359		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-120.22	-1.11	120.23					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-120.22	-1.11	120.23	113.66	6.57	18.301		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-120.22	-1.11	120.23	113.55	6.67	18.014 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	101.34	-120.22	-1.11	120.56	113.67	6.89	17.503		
400.00	399.84	397.01	396.99	3.60	3.59	103.08	-121.41	0.02	122.85	115.65	7.20	17.074		
500.00	499.45	493.89	493.75	3.81	3.78	105.05	-124.97	3.41	128.39	120.80	7.59	16.909		
600.00	598.70	590.49	589.99	4.06	4.00	107.08	-130.88	9.04	137.24	129.17	8.07	17.001		
700.00	697.47	686.65	685.48	4.34	4.26	109.02	-139.09	16.85	149.42	140.79	8.62	17.327		
785.50	781.43	768.42	766.34	4.61	4.50	110.51	-147.89	25.24	162.45	153.31	9.14	17.766		
800.00	795.63	782.24	779.97	4.66	4.54	110.78	-149.55	26.81	164.89	155.65	9.24	17.851		
900.00	893.55	877.34	873.44	5.02	4.86	111.97	-162.21	38.87	182.80	172.90	9.90	18.465		
1,000.00	991.47	971.89	965.75	5.40	5.21	112.18	-177.02	52.97	202.54	191.94	10.61	19.097		
1,100.00	1,089.39	1,065.70	1,056.61	5.80	5.59	111.67	-193.88	69.04	224.05	212.70	11.35	19.737		
1,200.00	1,187.31	1,159.89	1,147.07	6.21	6.00	110.66	-212.88	87.12	247.29	235.16	12.13	20.387		
1,300.00	1,285.22	1,256.93	1,240.05	6.64	6.44	109.67	-232.99	106.28	271.05	258.09	12.95	20.925		
1,400.00	1,383.14	1,353.96	1,333.03	7.08	6.91	108.83	-253.10	125.43	294.87	281.07	13.80	21.363		
1,500.00	1,481.06	1,451.00	1,426.01	7.52	7.39	108.12	-273.21	144.58	318.75	304.07	14.67	21.723		
1,600.00	1,578.98	1,548.04	1,518.99	7.98	7.88	107.50	-293.32	163.73	342.66	327.10	15.56	22.020		
1,700.00	1,676.90	1,645.08	1,611.97	8.44	8.38	106.97	-313.43	182.88	366.61	350.14	16.46	22.267		
1,800.00	1,774.82	1,742.11	1,704.95	8.90	8.89	106.50	-333.55	202.03	390.58	373.20	17.38	22.473		
1,900.00	1,872.74	1,839.15	1,797.93	9.37	9.40	106.09	-353.66	221.19	414.58	396.27	18.31	22.648		
2,000.00	1,970.66	1,936.19	1,890.90	9.84	9.92	105.72	-373.77	240.34	438.59	419.35	19.24	22.795		
2,100.00	2,068.57	2,033.22	1,983.88	10.32	10.45	105.39	-393.88	259.49	462.62	442.44	20.18	22.921		
2,200.00	2,166.49	2,130.26	2,076.86	10.80	10.98	105.09	-413.99	278.64	486.66	465.53	21.13	23.029		
2,300.00	2,264.41	2,227.30	2,169.84	11.28	11.51	104.82	-434.10	297.79	510.71	488.63	22.09	23.122		
2,400.00	2,362.33	2,324.34	2,262.82	11.76	12.05	104.58	-454.21	316.94	534.78	511.73	23.05	23.202		
2,500.00	2,460.25	2,421.37	2,355.80	12.24	12.59	104.35	-474.32	336.09	558.85	534.83	24.01	23.272		
2,600.00	2,558.17	2,518.41	2,448.78	12.73	13.13	104.15	-494.43	355.25	582.93	557.94	24.98	23.334		
2,700.00	2,656.09	2,615.45	2,541.75	13.22	13.68	103.96	-514.55	374.40	607.01	581.06	25.95	23.387		
2,800.00	2,754.01	2,712.49	2,634.73	13.71	14.22	103.78	-534.66	393.55	631.10	604.17	26.93	23.434		
2,900.00	2,851.92	2,809.52	2,727.71	14.20	14.77	103.62	-554.77	412.70	655.20	627.29	27.91	23.476		
3,000.00	2,949.84	2,906.56	2,820.69	14.69	15.32	103.47	-574.88	431.85	679.30	650.41	28.89	23.513		
3,100.00	3,047.76	3,003.60	2,913.67	15.18	15.87	103.33	-594.99	451.00	703.40	673.53	29.87	23.546		
3,200.00	3,145.68	3,100.64	3,006.65	15.67	16.43	103.20	-615.10	470.16	727.51	696.65	30.86	23.575		
3,300.00	3,243.60	3,202.33	3,099.63	16.17	17.01	103.08	-635.21	489.31	751.62	719.75	31.87	23.583		
3,400.00	3,341.52	3,305.29	3,192.60	16.66	17.59	102.96	-655.32	508.46	775.74	742.85	32.89	23.584		
3,500.00	3,439.44	3,408.25	3,285.58	17.16	18.18	102.85	-675.43	527.61	799.86	765.94	33.91	23.585		
3,600.00	3,537.36	3,488.79	3,378.56	17.65	18.64	102.75	-695.55	546.76	823.98	789.16	34.82	23.665		
3,700.00	3,635.27	3,585.82	3,471.54	18.15	19.20	102.66	-715.66	565.91	848.10	812.29	35.81	23.682		
3,800.00	3,733.19	3,682.86	3,564.52	18.65	19.76	102.57	-735.77	585.06	872.22	835.42	36.81	23.697		
3,900.00	3,831.11	3,779.90	3,657.50	19.14	20.32	102.48	-755.88	604.22	896.35	858.55	37.80	23.711		
4,000.00	3,929.03	3,876.94	3,750.48	19.64	20.88	102.40	-775.99	623.37	920.48	881.68	38.80	23.724		
4,100.00	4,026.95	3,973.97	3,843.46	20.14	21.43	102.32	-796.10	642.52	944.61	904.81	39.80	23.735		
4,200.00	4,124.87	4,071.01	3,936.43	20.64	21.99	102.25	-816.21	661.67	968.74	927.94	40.80	23.746		
4,300.00	4,222.79	4,168.05	4,029.41	21.14	22.55	102.18	-836.32	680.82	992.87	951.08	41.80	23.755		
4,400.00	4,320.71	4,265.09	4,122.39	21.64	23.11	102.11	-856.43	699.97	1,017.01	974.21	42.80	23.764		
4,500.00	4,418.62	4,362.12	4,215.37	22.14	23.68	102.05	-876.54	719.13	1,041.14	997.34	43.80	23.772		
4,600.00	4,516.54	4,459.16	4,308.35	22.64	24.24	101.99	-896.66	738.28	1,065.28	1,020.48	44.80	23.779		
4,700.00	4,614.46	4,556.20	4,401.33	23.14	24.80	101.93	-916.77	757.43	1,089.42	1,043.61	45.80	23.785		
4,800.00	4,712.38	4,653.24	4,494.31	23.64	25.36	101.88	-936.88	776.58	1,113.56	1,066.75	46.81	23.791		
4,900.00	4,810.30	4,750.27	4,587.28	24.14	25.92	101.82	-956.99	795.73	1,137.69	1,089.89	47.81	23.797		
5,000.00	4,908.22	4,847.31	4,680.26	24.64	26.49	101.77	-977.10	814.88	1,161.84	1,113.02	48.81	23.802		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
5,100.00	5,006.14	4,944.35	4,773.24	25.14	27.05	101.72	-997.21	834.03	1,185.98	1,136.16	49.82	23.806		
5,200.00	5,104.06	5,041.39	4,866.22	25.64	27.61	101.68	-1,017.32	853.19	1,210.12	1,159.30	50.82	23.811		
5,300.00	5,201.97	5,138.42	4,959.20	26.14	28.17	101.63	-1,037.43	872.34	1,234.26	1,182.43	51.83	23.815		
5,400.00	5,299.89	5,235.46	5,052.18	26.64	28.74	101.59	-1,057.54	891.49	1,258.40	1,205.57	52.83	23.818		
5,500.00	5,397.81	5,332.50	5,145.16	27.15	29.30	101.55	-1,077.66	910.64	1,282.55	1,228.71	53.84	23.821		
5,600.00	5,495.73	5,429.54	5,238.13	27.65	29.86	101.51	-1,097.77	929.79	1,306.69	1,251.85	54.85	23.824		
5,700.00	5,593.65	5,526.57	5,331.11	28.15	30.43	101.47	-1,117.88	948.94	1,330.84	1,274.98	55.85	23.827		
5,800.00	5,691.57	5,623.61	5,424.09	28.65	30.99	101.43	-1,137.99	968.09	1,354.98	1,298.12	56.86	23.829		
5,900.00	5,789.49	5,720.65	5,517.07	29.15	31.56	101.40	-1,158.10	987.25	1,379.13	1,321.26	57.87	23.832		
6,000.00	5,887.41	5,817.68	5,610.05	29.66	32.12	101.36	-1,178.21	1,006.40	1,403.28	1,344.40	58.88	23.834		
6,100.00	5,985.32	5,914.72	5,703.03	30.16	32.69	101.33	-1,198.32	1,025.55	1,427.43	1,367.54	59.89	23.836		
6,200.00	6,083.24	6,011.76	5,796.01	30.66	33.25	101.29	-1,218.43	1,044.70	1,451.57	1,390.68	60.89	23.837		
6,300.00	6,181.16	6,108.80	5,888.99	31.16	33.82	101.26	-1,238.54	1,063.85	1,475.72	1,413.82	61.90	23.839		
6,400.00	6,279.08	6,205.83	5,981.96	31.67	34.38	101.23	-1,258.66	1,083.00	1,499.87	1,436.96	62.91	23.840		
6,490.03	6,367.24	6,306.80	6,065.68	32.12	34.97	101.21	-1,276.76	1,100.25	1,521.61	1,457.72	63.90	23.814		
6,500.00	6,377.01	6,302.87	6,074.94	32.17	34.95	102.35	-1,278.77	1,102.16	1,524.02	1,460.10	63.92	23.842		
6,550.00	6,426.43	6,351.28	6,121.33	32.40	35.23	111.77	-1,288.80	1,111.71	1,536.09	1,471.68	64.40	23.852		
6,600.00	6,476.27	6,400.70	6,167.34	32.61	35.52	147.28	-1,298.75	1,121.19	1,548.10	1,483.25	64.85	23.872		
6,650.00	6,526.21	6,446.63	6,212.69	32.80	35.78	-125.78	-1,308.56	1,130.53	1,560.05	1,494.80	65.25	23.910		
6,700.00	6,575.96	6,507.02	6,257.10	32.98	36.14	-104.15	-1,318.17	1,139.68	1,571.93	1,506.23	65.70	23.925		
6,750.00	6,625.19	6,538.07	6,300.30	33.16	36.32	-97.40	-1,327.51	1,148.57	1,583.77	1,517.78	65.99	23.999		
6,800.00	6,673.62	6,581.61	6,342.02	33.35	36.57	-94.10	-1,336.53	1,157.17	1,595.62	1,529.28	66.35	24.050		
6,850.00	6,720.94	6,623.34	6,382.00	33.55	36.81	-92.11	-1,345.18	1,165.40	1,607.54	1,540.86	66.69	24.106		
6,900.00	6,766.86	6,663.00	6,420.01	33.76	37.04	-90.75	-1,353.40	1,173.23	1,619.61	1,552.59	67.02	24.166		
6,950.00	6,811.10	6,700.35	6,455.79	33.98	37.26	-89.74	-1,361.14	1,180.60	1,631.91	1,564.57	67.34	24.233		
7,000.00	6,853.38	6,735.44	6,489.42	34.23	37.47	-88.91	-1,368.42	1,187.52	1,644.52	1,576.86	67.66	24.304		
7,050.00	6,893.45	6,775.77	6,528.30	34.50	37.69	-88.35	-1,376.82	1,194.11	1,657.44	1,589.38	68.06	24.353		
7,100.00	6,931.05	6,818.51	6,569.87	34.79	37.90	-87.93	-1,385.80	1,198.31	1,670.59	1,602.09	68.50	24.388		
7,150.00	6,965.96	6,864.33	6,614.63	35.12	38.11	-87.64	-1,395.46	1,199.65	1,683.91	1,614.92	68.99	24.408		
7,200.00	6,997.96	6,914.13	6,663.25	35.47	38.30	-87.49	-1,405.95	1,197.36	1,697.33	1,627.79	69.53	24.410		
7,250.00	7,026.85	6,969.18	6,716.60	35.86	38.48	-87.49	-1,417.44	1,190.32	1,710.75	1,640.61	70.14	24.390		
7,300.00	7,052.45	7,031.24	6,775.79	36.29	38.65	-87.68	-1,430.17	1,176.76	1,724.05	1,653.24	70.81	24.346		
7,350.00	7,074.61	7,102.85	6,842.09	36.76	38.85	-88.09	-1,444.42	1,153.89	1,737.07	1,665.50	71.57	24.273		
7,400.00	7,093.19	7,187.58	6,916.70	37.27	39.07	-88.77	-1,460.42	1,117.21	1,749.56	1,677.16	72.41	24.163		
7,450.00	7,108.07	7,290.37	6,999.84	37.81	39.38	-89.74	-1,478.20	1,059.62	1,761.17	1,687.79	73.38	24.000		
7,500.00	7,119.17	7,500.00	7,069.18	38.39	40.17	-90.49	-1,492.98	992.71	1,771.34	1,696.33	75.01	23.614		
7,550.00	7,126.41	7,573.48	7,170.90	38.99	40.63	-92.27	-1,514.53	839.95	1,779.35	1,702.94	76.41	23.287		
7,600.00	7,129.75	7,757.64	7,224.93	39.62	42.00	-93.16	-1,525.72	664.93	1,784.22	1,705.06	79.16	22.540		
7,616.41	7,130.00	7,616.41	7,228.50	39.83	40.81	-93.17	-1,526.41	635.93	1,784.98	1,707.21	77.77	22.951		
7,700.00	7,130.16	7,933.06	7,233.18	40.97	43.77	-93.31	-1,527.03	489.94	1,786.62	1,703.68	82.94	21.542		
7,800.00	7,130.35	8,033.05	7,233.43	42.46	45.00	-93.31	-1,526.82	389.96	1,788.48	1,702.62	85.86	20.831		
7,900.00	7,130.55	8,133.03	7,233.68	44.09	46.40	-93.31	-1,526.61	289.98	1,790.33	1,701.28	89.05	20.105		
8,000.00	7,130.74	8,233.01	7,233.93	45.84	47.95	-93.30	-1,526.40	189.99	1,792.19	1,699.70	92.49	19.378		
8,100.00	7,130.94	8,332.99	7,234.18	47.70	49.63	-93.30	-1,526.19	90.01	1,794.05	1,697.90	96.14	18.661		
8,200.00	7,131.13	8,432.98	7,234.43	49.65	51.42	-93.30	-1,525.98	-9.97	1,795.90	1,695.91	99.99	17.961		
8,300.00	7,131.32	8,532.96	7,234.68	51.70	53.33	-93.30	-1,525.76	-109.95	1,797.76	1,693.75	104.01	17.285		
8,400.00	7,131.52	8,632.94	7,234.93	53.81	55.32	-93.30	-1,525.55	-209.94	1,799.62	1,691.43	108.18	16.635		
8,500.00	7,131.71	8,732.92	7,235.17	55.99	57.39	-93.30	-1,525.34	-309.92	1,801.47	1,688.98	112.49	16.014		
8,600.00	7,131.90	8,832.91	7,235.42	58.24	59.54	-93.29	-1,525.13	-409.90	1,803.33	1,686.41	116.92	15.424		
8,700.00	7,132.10	8,932.89	7,235.67	60.53	61.74	-93.29	-1,524.92	-509.88	1,805.19	1,683.73	121.46	14.863		
8,800.00	7,132.29	9,032.87	7,235.92	62.87	64.00	-93.29	-1,524.71	-609.86	1,807.04	1,680.95	126.09	14.331		
8,900.00	7,132.49	9,132.86	7,236.17	65.25	66.32	-93.29	-1,524.49	-709.85	1,808.90	1,678.09	130.81	13.828		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
9,000.00	7,132.68	9,232.84	7,236.42	67.68	68.67	-93.29	-1,524.28	-809.83	1,810.76	1,675.15	135.61	13.353		
9,100.00	7,132.87	9,332.82	7,236.67	70.13	71.06	-93.29	-1,524.07	-909.81	1,812.61	1,672.14	140.47	12.904		
9,200.00	7,133.07	9,432.80	7,236.91	72.61	73.49	-93.28	-1,523.86	-1,009.79	1,814.47	1,669.07	145.40	12.479		
9,300.00	7,133.26	9,532.79	7,237.16	75.13	75.95	-93.28	-1,523.65	-1,109.78	1,816.33	1,665.94	150.39	12.078		
9,400.00	7,133.46	9,632.77	7,237.41	77.66	78.44	-93.28	-1,523.44	-1,209.76	1,818.18	1,662.76	155.42	11.698		
9,500.00	7,133.65	9,732.75	7,237.66	80.22	80.95	-93.28	-1,523.22	-1,309.74	1,820.04	1,659.54	160.50	11.340		
9,600.00	7,133.84	9,832.73	7,237.91	82.80	83.49	-93.28	-1,523.01	-1,409.72	1,821.90	1,656.27	165.62	11.000		
9,700.00	7,134.04	9,932.72	7,238.16	85.40	86.04	-93.28	-1,522.80	-1,509.70	1,823.75	1,652.97	170.78	10.679		
9,800.00	7,134.23	10,032.70	7,238.41	88.01	88.62	-93.27	-1,522.59	-1,609.69	1,825.61	1,649.63	175.98	10.374		
9,900.00	7,134.43	10,132.68	7,238.65	90.64	91.21	-93.27	-1,522.38	-1,709.67	1,827.47	1,646.26	181.20	10.085		
10,000.00	7,134.62	10,232.67	7,238.90	93.28	93.82	-93.27	-1,522.16	-1,809.65	1,829.32	1,642.86	186.46	9.811		
10,100.00	7,134.81	10,332.65	7,239.15	95.94	96.45	-93.27	-1,521.95	-1,909.63	1,831.18	1,639.44	191.74	9.550		
10,200.00	7,135.01	10,432.63	7,239.40	98.61	99.08	-93.27	-1,521.74	-2,009.62	1,833.04	1,635.99	197.05	9.303		
10,300.00	7,135.20	10,532.61	7,239.65	101.28	101.73	-93.27	-1,521.53	-2,109.60	1,834.89	1,632.52	202.37	9.067		
10,400.00	7,135.39	10,632.60	7,239.90	103.97	104.39	-93.26	-1,521.32	-2,209.58	1,836.75	1,629.03	207.72	8.842		
10,500.00	7,135.59	10,732.58	7,240.15	106.67	107.06	-93.26	-1,521.11	-2,309.56	1,838.61	1,625.51	213.09	8.628		
10,600.00	7,135.78	10,832.56	7,240.40	109.38	109.75	-93.26	-1,520.89	-2,409.54	1,840.46	1,621.98	218.48	8.424		
10,700.00	7,135.98	10,932.55	7,240.64	112.09	112.44	-93.26	-1,520.68	-2,509.53	1,842.32	1,618.44	223.88	8.229		
10,800.00	7,136.17	11,032.53	7,240.89	114.81	115.13	-93.26	-1,520.47	-2,609.51	1,844.18	1,614.88	229.30	8.043		
10,900.00	7,136.36	11,132.51	7,241.14	117.54	117.84	-93.26	-1,520.26	-2,709.49	1,846.03	1,611.30	234.73	7.864		
11,000.00	7,136.56	11,232.49	7,241.39	120.28	120.55	-93.25	-1,520.05	-2,809.47	1,847.89	1,607.71	240.18	7.694		
11,100.00	7,136.75	11,332.48	7,241.64	123.02	123.27	-93.25	-1,519.84	-2,909.46	1,849.75	1,604.11	245.64	7.530		
11,200.00	7,136.95	11,432.46	7,241.89	125.76	126.00	-93.25	-1,519.62	-3,009.44	1,851.60	1,600.50	251.11	7.374		
11,300.00	7,137.14	11,532.44	7,242.14	128.52	128.73	-93.25	-1,519.41	-3,109.42	1,853.46	1,596.87	256.59	7.224		
11,400.00	7,137.33	11,632.42	7,242.38	131.27	131.47	-93.25	-1,519.20	-3,209.40	1,855.32	1,593.24	262.08	7.079		
11,500.00	7,137.53	11,732.41	7,242.63	134.03	134.21	-93.25	-1,518.99	-3,309.38	1,857.17	1,589.59	267.58	6.941		
11,600.00	7,137.72	11,832.39	7,242.88	136.80	136.96	-93.25	-1,518.78	-3,409.37	1,859.03	1,585.94	273.09	6.807		
11,700.00	7,137.92	11,932.37	7,243.13	139.57	139.71	-93.24	-1,518.57	-3,509.35	1,860.89	1,582.28	278.61	6.679		
11,800.00	7,138.11	12,032.36	7,243.38	142.34	142.47	-93.24	-1,518.35	-3,609.33	1,862.74	1,578.61	284.13	6.556		
11,900.00	7,138.30	12,132.34	7,243.63	145.12	145.23	-93.24	-1,518.14	-3,709.31	1,864.60	1,574.93	289.67	6.437		
12,000.00	7,138.50	12,232.32	7,243.88	147.90	147.99	-93.24	-1,517.93	-3,809.30	1,866.46	1,571.25	295.21	6.323		
12,100.00	7,138.69	12,332.30	7,244.12	150.68	150.76	-93.24	-1,517.72	-3,909.28	1,868.31	1,567.56	300.75	6.212		
12,200.00	7,138.88	12,432.29	7,244.37	153.47	153.53	-93.24	-1,517.51	-4,009.26	1,870.17	1,563.86	306.31	6.106		
12,300.00	7,139.08	12,532.27	7,244.62	156.26	156.31	-93.23	-1,517.30	-4,109.24	1,872.03	1,560.16	311.87	6.003		
12,400.00	7,139.27	12,632.25	7,244.87	159.05	159.09	-93.23	-1,517.08	-4,209.22	1,873.88	1,556.45	317.43	5.903		
12,500.00	7,139.47	12,732.23	7,245.12	161.85	161.87	-93.23	-1,516.87	-4,309.21	1,875.74	1,552.74	323.00	5.807		
12,600.00	7,139.66	12,832.22	7,245.37	164.64	164.65	-93.23	-1,516.66	-4,409.19	1,877.60	1,549.02	328.58	5.714		
12,700.00	7,139.85	12,932.20	7,245.62	167.44	167.44	-93.23	-1,516.45	-4,509.17	1,879.45	1,545.30	334.16	5.624		
12,800.00	7,140.05	13,032.18	7,245.87	170.24	170.22	-93.23	-1,516.24	-4,609.15	1,881.31	1,541.57	339.74	5.537		
12,900.00	7,140.24	13,132.17	7,246.11	173.05	173.02	-93.23	-1,516.03	-4,709.14	1,883.17	1,537.83	345.33	5.453		
13,000.00	7,140.44	13,232.15	7,246.36	175.85	175.81	-93.22	-1,515.81	-4,809.12	1,885.02	1,534.10	350.93	5.372		
13,100.00	7,140.63	13,332.13	7,246.61	178.66	178.60	-93.22	-1,515.60	-4,909.10	1,886.88	1,530.36	356.52	5.292		
13,200.00	7,140.82	13,432.11	7,246.86	181.47	181.40	-93.22	-1,515.39	-5,009.08	1,888.74	1,526.61	362.13	5.216		
13,300.00	7,141.02	13,532.10	7,247.11	184.28	184.20	-93.22	-1,515.18	-5,109.06	1,890.59	1,522.86	367.73	5.141		
13,400.00	7,141.21	13,632.08	7,247.36	187.10	187.00	-93.22	-1,514.97	-5,209.05	1,892.45	1,519.11	373.34	5.069		
13,500.00	7,141.41	13,732.06	7,247.61	189.91	189.80	-93.22	-1,514.75	-5,309.03	1,894.31	1,515.35	378.95	4.999		
13,600.00	7,141.60	13,832.04	7,247.85	192.73	192.61	-93.21	-1,514.54	-5,409.01	1,896.16	1,511.60	384.57	4.931		
13,700.00	7,141.79	13,932.03	7,248.10	195.54	195.42	-93.21	-1,514.33	-5,508.99	1,898.02	1,507.83	390.19	4.864		
13,800.00	7,141.99	14,032.01	7,248.35	198.36	198.22	-93.21	-1,514.12	-5,608.98	1,899.88	1,504.07	395.81	4.800		
13,900.00	7,142.18	14,131.99	7,248.60	201.18	201.03	-93.21	-1,513.91	-5,708.96	1,901.73	1,500.30	401.43	4.737		
14,000.00	7,142.37	14,231.98	7,248.85	204.01	203.84	-93.21	-1,513.70	-5,808.94	1,903.59	1,496.53	407.06	4.676		
14,100.00	7,142.57	14,331.96	7,249.10	206.83	206.66	-93.21	-1,513.48	-5,908.92	1,905.45	1,492.76	412.69	4.617		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,431.94	7,249.35	209.65	209.47	-93.21	-1,513.27	-6,008.90	1,907.30	1,488.99	418.32	4.559		
14,300.00	7,142.96	14,531.92	7,249.59	212.48	212.28	-93.20	-1,513.06	-6,108.89	1,909.16	1,485.21	423.95	4.503		
14,400.00	7,143.15	14,631.91	7,249.84	215.30	215.10	-93.20	-1,512.85	-6,208.87	1,911.02	1,481.43	429.59	4.448		
14,500.00	7,143.34	14,731.89	7,250.09	218.13	217.92	-93.20	-1,512.64	-6,308.85	1,912.87	1,477.65	435.23	4.395		
14,600.00	7,143.54	14,831.87	7,250.34	220.96	220.73	-93.20	-1,512.43	-6,408.83	1,914.73	1,473.86	440.87	4.343		
14,700.00	7,143.73	14,931.86	7,250.59	223.79	223.55	-93.20	-1,512.21	-6,508.82	1,916.59	1,470.08	446.51	4.292		
14,800.00	7,143.93	15,031.84	7,250.84	226.62	226.37	-93.20	-1,512.00	-6,608.80	1,918.45	1,466.29	452.15	4.243		
14,838.32	7,144.00	15,070.15	7,250.93	227.70	227.45	-93.20	-1,511.92	-6,647.11	1,919.16	1,464.84	454.32	4.224		
14,900.00	7,144.12	15,131.83	7,251.09	229.45	229.19	-93.19	-1,511.79	-6,708.79	1,919.64	1,461.84	457.80	4.193		
15,000.00	7,144.32	15,231.80	7,251.34	232.26	232.02	-93.20	-1,511.58	-6,808.76	1,917.60	1,454.17	463.43	4.138		
15,027.81	7,144.37	15,259.59	7,251.40	233.04	232.80	-93.20	-1,511.52	-6,836.54	1,916.42	1,451.43	464.99	4.121		
15,100.00	7,144.51	15,331.70	7,251.58	235.07	234.84	-93.21	-1,511.37	-6,908.65	1,912.99	1,443.95	469.05	4.078		
15,200.00	7,144.71	15,431.58	7,251.83	237.87	237.66	-93.22	-1,511.16	-7,008.54	1,908.25	1,433.58	474.66	4.020		
15,300.00	7,144.91	15,531.47	7,252.08	240.68	240.48	-93.23	-1,510.94	-7,108.43	1,903.50	1,423.22	480.28	3.963		
15,400.00	7,145.10	15,631.36	7,252.33	243.48	243.30	-93.24	-1,510.73	-7,208.31	1,898.76	1,412.85	485.90	3.908		
15,500.00	7,145.30	15,731.24	7,252.58	246.29	246.13	-93.25	-1,510.52	-7,308.20	1,894.01	1,402.49	491.53	3.853		
15,600.00	7,145.50	15,831.13	7,252.83	249.10	248.95	-93.26	-1,510.31	-7,408.08	1,889.27	1,392.12	497.15	3.800		
15,700.00	7,145.69	15,931.02	7,253.07	251.91	251.78	-93.26	-1,510.10	-7,507.97	1,884.52	1,381.75	502.77	3.748		
15,800.00	7,145.89	16,030.90	7,253.32	254.71	254.60	-93.27	-1,509.89	-7,607.86	1,879.78	1,371.38	508.40	3.697		
15,900.00	7,146.09	16,130.79	7,253.57	257.52	257.43	-93.28	-1,509.68	-7,707.74	1,875.03	1,361.01	514.02	3.648		
16,000.00	7,146.28	16,230.68	7,253.82	260.34	260.26	-93.29	-1,509.46	-7,807.63	1,870.29	1,350.63	519.65	3.599		
16,100.00	7,146.48	16,330.56	7,254.07	263.15	263.09	-93.30	-1,509.25	-7,907.52	1,865.54	1,340.26	525.28	3.552		
16,200.00	7,146.68	16,430.45	7,254.32	265.96	265.91	-93.31	-1,509.04	-8,007.40	1,860.80	1,329.88	530.91	3.505		
16,300.00	7,146.87	16,530.34	7,254.56	268.77	268.74	-93.32	-1,508.83	-8,107.29	1,856.05	1,319.51	536.54	3.459		
16,400.00	7,147.07	16,630.22	7,254.81	271.58	271.57	-93.33	-1,508.62	-8,207.18	1,851.31	1,309.13	542.18	3.415		
16,500.00	7,147.27	16,730.11	7,255.06	274.40	274.40	-93.35	-1,508.41	-8,307.06	1,846.56	1,298.75	547.81	3.371		
16,600.00	7,147.46	16,830.00	7,255.31	277.21	277.23	-93.36	-1,508.19	-8,406.95	1,841.82	1,288.37	553.44	3.328		
16,700.00	7,147.66	16,929.88	7,255.56	280.03	280.07	-93.37	-1,507.98	-8,506.83	1,837.07	1,277.99	559.08	3.286		
16,800.00	7,147.86	17,029.77	7,255.81	282.84	282.90	-93.38	-1,507.77	-8,606.72	1,832.33	1,267.61	564.71	3.245		
16,900.00	7,148.05	17,129.66	7,256.05	285.66	285.73	-93.39	-1,507.56	-8,706.61	1,827.58	1,257.23	570.35	3.204		
17,000.00	7,148.25	17,229.55	7,256.30	288.48	288.56	-93.40	-1,507.35	-8,806.49	1,822.84	1,246.85	575.99	3.165		
17,100.00	7,148.45	17,329.43	7,256.55	291.29	291.40	-93.41	-1,507.14	-8,906.38	1,818.09	1,236.47	581.63	3.126		
17,200.00	7,148.64	17,429.32	7,256.80	294.11	294.23	-93.42	-1,506.93	-9,006.27	1,813.35	1,226.08	587.26	3.088		
17,300.00	7,148.84	17,529.21	7,257.05	296.93	297.07	-93.43	-1,506.71	-9,106.15	1,808.60	1,215.70	592.90	3.050		
17,400.00	7,149.04	17,629.09	7,257.30	299.75	299.90	-93.44	-1,506.50	-9,206.04	1,803.86	1,205.32	598.54	3.014		
17,500.00	7,149.23	17,728.98	7,257.55	302.57	302.74	-93.45	-1,506.29	-9,305.92	1,799.12	1,194.93	604.18	2.978		
17,600.00	7,149.43	17,828.87	7,257.79	305.39	305.57	-93.46	-1,506.08	-9,405.81	1,794.37	1,184.55	609.83	2.942		
17,700.00	7,149.63	17,928.75	7,258.04	308.21	308.41	-93.47	-1,505.87	-9,505.70	1,789.63	1,174.16	615.47	2.908		
17,800.00	7,149.82	18,028.64	7,258.29	311.03	311.24	-93.48	-1,505.66	-9,605.58	1,784.88	1,163.77	621.11	2.874		
17,900.00	7,150.02	18,128.53	7,258.54	313.85	314.08	-93.49	-1,505.45	-9,705.47	1,780.14	1,153.39	626.75	2.840		
18,000.00	7,150.22	18,228.41	7,258.79	316.67	316.92	-93.50	-1,505.23	-9,805.36	1,775.40	1,143.00	632.40	2.807		
18,100.00	7,150.41	18,328.30	7,259.04	319.49	319.76	-93.52	-1,505.02	-9,905.24	1,770.65	1,132.61	638.04	2.775		
18,200.00	7,150.61	18,428.19	7,259.29	322.32	322.59	-93.53	-1,504.81	-10,005.13	1,765.91	1,122.22	643.69	2.743		
18,300.00	7,150.81	18,528.07	7,259.53	325.14	325.43	-93.54	-1,504.60	-10,105.01	1,761.17	1,111.83	649.33	2.712		
18,400.00	7,151.00	18,627.96	7,259.78	327.96	328.27	-93.55	-1,504.39	-10,204.90	1,756.42	1,101.44	654.98	2.682		
18,500.00	7,151.20	18,727.85	7,260.03	330.78	331.11	-93.56	-1,504.18	-10,304.79	1,751.68	1,091.05	660.62	2.652		
18,600.00	7,151.40	18,827.73	7,260.28	333.61	333.95	-93.57	-1,503.96	-10,404.67	1,746.93	1,080.66	666.27	2.622		
18,700.00	7,151.59	18,927.62	7,260.53	336.43	336.79	-93.58	-1,503.75	-10,504.56	1,742.19	1,070.27	671.92	2.593		
18,800.00	7,151.79	19,027.51	7,260.77	339.26	339.63	-93.60	-1,503.54	-10,604.45	1,737.45	1,059.88	677.57	2.564		
18,906.26	7,152.00	19,118.22	7,261.00	342.26	342.21	-93.61	-1,503.35	-10,695.16	1,732.48	1,049.39	683.09	2.536 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.53	-135.15	-1.11	135.16					
100.00	100.00	100.00	100.00	3.28	3.28	-179.53	-135.15	-1.11	135.16	128.59	6.57	20.574		
200.00	200.00	200.00	200.00	3.34	3.34	-179.53	-135.15	-1.11	135.16	128.48	6.67	20.251 CC, ES		
300.00	299.98	296.65	296.63	3.44	3.44	100.67	-136.35	-0.01	136.71	129.82	6.88	19.856		
400.00	399.84	393.15	393.00	3.60	3.58	101.23	-139.93	3.31	141.36	134.16	7.20	19.637		
500.00	499.45	489.34	488.85	3.81	3.77	102.08	-145.87	8.80	149.13	141.52	7.61	19.605		
600.00	598.70	585.09	583.93	4.06	4.00	103.12	-154.13	16.43	160.04	151.94	8.10	19.768		
700.00	697.47	680.23	677.99	4.34	4.26	104.23	-164.64	26.15	174.10	165.45	8.65	20.117		
785.50	781.43	761.01	757.43	4.61	4.52	105.18	-175.36	36.06	188.63	179.44	9.18	20.545		
800.00	795.63	774.65	770.81	4.66	4.56	105.38	-177.33	37.88	191.31	182.03	9.28	20.626		
900.00	893.55	868.40	862.35	5.02	4.89	106.24	-192.15	51.58	211.03	201.09	9.94	21.223		
1,000.00	991.47	961.40	952.47	5.40	5.26	106.36	-209.02	67.17	232.82	222.16	10.66	21.847		
1,100.00	1,089.39	1,053.99	1,041.40	5.80	5.65	105.93	-227.92	84.64	256.61	245.20	11.40	22.504		
1,200.00	1,187.31	1,150.87	1,134.11	6.21	6.09	105.36	-248.59	103.75	281.23	269.03	12.20	23.054		
1,300.00	1,285.22	1,247.76	1,226.81	6.64	6.56	104.87	-269.26	122.86	305.88	292.86	13.03	23.483		
1,400.00	1,383.14	1,344.64	1,319.52	7.08	7.03	104.46	-289.93	141.96	330.55	316.67	13.88	23.819		
1,500.00	1,481.06	1,441.53	1,412.22	7.52	7.53	104.11	-310.60	161.07	355.23	340.48	14.75	24.083		
1,600.00	1,578.98	1,538.41	1,504.93	7.98	8.03	103.80	-331.27	180.18	379.92	364.28	15.64	24.291		
1,700.00	1,676.90	1,635.30	1,597.64	8.44	8.54	103.53	-351.94	199.28	404.62	388.07	16.54	24.456		
1,800.00	1,774.82	1,732.18	1,690.34	8.90	9.06	103.29	-372.61	218.39	429.33	411.86	17.46	24.587		
1,900.00	1,872.74	1,829.07	1,783.05	9.37	9.58	103.07	-393.28	237.50	454.04	435.65	18.39	24.692		
2,000.00	1,970.66	1,925.95	1,875.75	9.84	10.11	102.88	-413.95	256.61	478.76	459.43	19.32	24.775		
2,100.00	2,068.57	2,022.84	1,968.46	10.32	10.65	102.71	-434.62	275.71	503.48	483.21	20.27	24.841		
2,200.00	2,166.49	2,119.72	2,061.16	10.80	11.18	102.55	-455.29	294.82	528.21	506.99	21.22	24.894		
2,300.00	2,264.41	2,216.61	2,153.87	11.28	11.72	102.41	-475.96	313.93	552.94	530.77	22.17	24.936		
2,400.00	2,362.33	2,313.49	2,246.58	11.76	12.27	102.28	-496.63	333.04	577.67	554.54	23.14	24.969		
2,500.00	2,460.25	2,410.38	2,339.28	12.24	12.81	102.16	-517.30	352.14	602.41	578.31	24.10	24.995		
2,600.00	2,558.17	2,507.26	2,431.99	12.73	13.36	102.05	-537.97	371.25	627.15	602.08	25.07	25.015		
2,700.00	2,656.09	2,604.15	2,524.69	13.22	13.91	101.95	-558.64	390.36	651.89	625.85	26.04	25.030		
2,800.00	2,754.01	2,701.03	2,617.40	13.71	14.46	101.85	-579.31	409.46	676.63	649.61	27.02	25.041		
2,900.00	2,851.92	2,802.08	2,710.10	14.20	15.04	101.77	-599.98	428.57	701.38	673.35	28.02	25.029		
3,000.00	2,949.84	2,905.20	2,802.81	14.69	15.63	101.68	-620.65	447.68	726.12	697.09	29.04	25.007		
3,100.00	3,047.76	3,008.31	2,895.52	15.18	16.22	101.61	-641.32	466.79	750.87	720.82	30.05	24.984		
3,200.00	3,145.68	3,088.57	2,988.22	15.67	16.68	101.54	-661.99	485.89	775.62	744.67	30.95	25.059		
3,300.00	3,243.60	3,185.46	3,080.93	16.17	17.24	101.47	-682.66	505.00	800.37	768.43	31.94	25.059		
3,400.00	3,341.52	3,282.34	3,173.63	16.66	17.80	101.41	-703.33	524.11	825.12	792.19	32.93	25.057		
3,500.00	3,439.44	3,379.23	3,266.34	17.16	18.36	101.35	-724.00	543.21	849.87	815.95	33.92	25.054		
3,600.00	3,537.36	3,476.11	3,359.04	17.65	18.92	101.29	-744.67	562.32	874.62	839.71	34.91	25.051		
3,700.00	3,635.27	3,573.00	3,451.75	18.15	19.48	101.24	-765.34	581.43	899.37	863.46	35.91	25.047		
3,800.00	3,733.19	3,669.88	3,544.46	18.65	20.04	101.19	-786.01	600.54	924.13	887.22	36.90	25.042		
3,900.00	3,831.11	3,766.77	3,637.16	19.14	20.61	101.14	-806.68	619.64	948.88	910.98	37.90	25.037		
4,000.00	3,929.03	3,863.65	3,729.87	19.64	21.17	101.09	-827.35	638.75	973.63	934.74	38.90	25.032		
4,100.00	4,026.95	3,960.54	3,822.57	20.14	21.73	101.05	-848.02	657.86	998.39	958.49	39.89	25.026		
4,200.00	4,124.87	4,057.42	3,915.28	20.64	22.30	101.01	-868.69	676.96	1,023.14	982.25	40.89	25.020		
4,300.00	4,222.79	4,154.31	4,007.98	21.14	22.86	100.97	-889.36	696.07	1,047.90	1,006.01	41.89	25.013		
4,400.00	4,320.71	4,251.19	4,100.69	21.64	23.42	100.93	-910.03	715.18	1,072.66	1,029.76	42.89	25.007		
4,500.00	4,418.62	4,348.08	4,193.40	22.14	23.99	100.90	-930.70	734.29	1,097.41	1,053.52	43.90	25.000		
4,600.00	4,516.54	4,444.96	4,286.10	22.64	24.55	100.87	-951.37	753.39	1,122.17	1,077.27	44.90	24.994		
4,700.00	4,614.46	4,541.84	4,378.81	23.14	25.12	100.83	-972.04	772.50	1,146.93	1,101.03	45.90	24.987		
4,800.00	4,712.38	4,638.73	4,471.51	23.64	25.68	100.80	-992.71	791.61	1,171.69	1,124.78	46.90	24.980		
4,900.00	4,810.30	4,735.61	4,564.22	24.14	26.25	100.77	-1,013.38	810.72	1,196.44	1,148.54	47.91	24.974		
5,000.00	4,908.22	4,832.50	4,656.92	24.64	26.82	100.74	-1,034.05	829.82	1,221.20	1,172.29	48.91	24.967		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,929.38	4,749.63	25.14	27.38	100.72	-1,054.72	848.93	1,245.96	1,196.04	49.92	24.960		
5,200.00	5,104.06	5,026.27	4,842.33	25.64	27.95	100.69	-1,075.39	868.04	1,270.72	1,219.80	50.92	24.954		
5,300.00	5,201.97	5,123.15	4,935.04	26.14	28.52	100.66	-1,096.06	887.14	1,295.48	1,243.55	51.93	24.947		
5,400.00	5,299.89	5,220.04	5,027.75	26.64	29.08	100.64	-1,116.73	906.25	1,320.24	1,267.30	52.94	24.941		
5,500.00	5,397.81	5,316.92	5,120.45	27.15	29.65	100.62	-1,137.40	925.36	1,345.00	1,291.06	53.94	24.934		
5,600.00	5,495.73	5,413.81	5,213.16	27.65	30.22	100.59	-1,158.07	944.47	1,369.76	1,314.81	54.95	24.928		
5,700.00	5,593.65	5,510.69	5,305.86	28.15	30.79	100.57	-1,178.74	963.57	1,394.52	1,338.56	55.96	24.921		
5,800.00	5,691.57	5,607.58	5,398.57	28.65	31.35	100.55	-1,199.41	982.68	1,419.28	1,362.31	56.96	24.915		
5,900.00	5,789.49	5,704.46	5,491.27	29.15	31.92	100.53	-1,220.08	1,001.79	1,444.04	1,386.07	57.97	24.909		
6,000.00	5,887.41	5,801.35	5,583.98	29.66	32.49	100.51	-1,240.75	1,020.89	1,468.80	1,409.82	58.98	24.903		
6,100.00	5,985.32	5,901.77	5,676.69	30.16	33.08	100.49	-1,261.42	1,040.00	1,493.56	1,433.55	60.01	24.889		
6,200.00	6,083.24	6,004.88	5,769.39	30.66	33.68	100.47	-1,282.09	1,059.11	1,518.32	1,457.27	61.05	24.870		
6,300.00	6,181.16	6,108.00	5,862.10	31.16	34.29	100.46	-1,302.76	1,078.22	1,543.08	1,480.99	62.09	24.851		
6,400.00	6,279.08	6,188.89	5,954.80	31.67	34.76	100.44	-1,323.43	1,097.32	1,567.84	1,504.83	63.02	24.879		
6,490.03	6,367.24	6,276.12	6,038.27	32.12	35.27	100.42	-1,342.04	1,114.53	1,590.14	1,526.21	63.93	24.874		
6,500.00	6,377.01	6,285.77	6,047.51	32.17	35.33	101.57	-1,344.10	1,116.43	1,592.61	1,528.58	64.03	24.874		
6,550.00	6,426.43	6,334.10	6,093.76	32.40	35.61	111.04	-1,354.42	1,125.96	1,605.01	1,540.51	64.51	24.882		
6,600.00	6,476.27	6,382.04	6,139.63	32.61	35.90	146.60	-1,364.64	1,135.42	1,617.42	1,552.47	64.95	24.904		
6,650.00	6,526.21	6,429.30	6,184.84	32.80	36.17	-126.39	-1,374.73	1,144.74	1,629.80	1,564.44	65.35	24.939		
6,700.00	6,575.96	6,475.57	6,229.12	32.98	36.45	-104.69	-1,384.60	1,153.86	1,642.14	1,576.41	65.73	24.982		
6,750.00	6,625.19	6,520.58	6,272.19	33.16	36.71	-97.86	-1,394.20	1,162.74	1,654.47	1,588.37	66.10	25.031		
6,800.00	6,673.62	6,564.05	6,313.78	33.35	36.96	-94.48	-1,403.47	1,171.31	1,666.83	1,600.38	66.45	25.084		
6,850.00	6,720.94	6,605.70	6,353.64	33.55	37.21	-92.40	-1,412.36	1,179.53	1,679.26	1,612.47	66.79	25.142		
6,900.00	6,766.86	6,645.62	6,391.85	33.76	37.44	-90.96	-1,420.88	1,187.33	1,691.85	1,624.72	67.13	25.204		
6,950.00	6,811.10	6,686.67	6,431.45	33.98	37.67	-89.90	-1,429.73	1,193.51	1,704.59	1,637.11	67.48	25.260		
7,000.00	6,853.38	6,729.45	6,473.03	34.23	37.88	-89.07	-1,439.05	1,197.16	1,717.44	1,649.58	67.87	25.306		
7,050.00	6,893.45	6,774.33	6,516.80	34.50	38.07	-88.41	-1,448.88	1,197.90	1,730.35	1,662.07	68.29	25.339		
7,100.00	6,931.05	6,821.73	6,562.96	34.79	38.25	-87.90	-1,459.29	1,195.25	1,743.25	1,674.50	68.75	25.356		
7,150.00	6,965.96	6,872.22	6,611.76	35.12	38.42	-87.52	-1,470.33	1,188.57	1,756.06	1,686.80	69.26	25.354		
7,200.00	6,997.96	6,926.49	6,663.45	35.47	38.57	-87.27	-1,482.07	1,176.99	1,768.70	1,698.87	69.83	25.327		
7,250.00	7,026.85	6,985.40	6,718.23	35.86	38.73	-87.16	-1,494.55	1,159.37	1,781.07	1,710.59	70.47	25.273		
7,300.00	7,052.45	7,050.01	6,776.19	36.29	38.90	-87.18	-1,507.83	1,134.16	1,793.03	1,721.85	71.18	25.189		
7,350.00	7,074.61	7,121.64	6,837.14	36.76	39.09	-87.35	-1,521.87	1,099.34	1,804.45	1,732.47	71.98	25.068		
7,400.00	7,093.19	7,201.78	6,900.32	37.27	39.32	-87.65	-1,536.52	1,052.33	1,815.12	1,742.23	72.89	24.904		
7,450.00	7,108.07	7,292.07	6,963.92	37.81	39.62	-88.09	-1,551.42	990.12	1,824.81	1,750.86	73.95	24.677		
7,500.00	7,119.17	7,393.89	7,024.51	38.39	40.05	-88.61	-1,565.81	909.70	1,833.21	1,757.97	75.24	24.364		
7,550.00	7,126.41	7,507.87	7,076.51	38.99	40.67	-89.15	-1,578.46	809.24	1,840.00	1,763.13	76.87	23.936		
7,600.00	7,129.75	7,633.00	7,112.47	39.62	41.58	-89.58	-1,587.68	689.95	1,844.81	1,765.86	78.95	23.366		
7,616.41	7,130.00	7,675.99	7,119.46	39.83	41.94	-89.68	-1,589.65	647.59	1,845.91	1,766.18	79.73	23.153		
7,700.00	7,130.16	7,811.88	7,125.13	40.97	43.26	-89.85	-1,592.21	511.97	1,848.92	1,766.20	82.72	22.353		
7,800.00	7,130.35	7,911.84	7,125.37	42.46	44.44	-89.85	-1,593.21	412.02	1,851.99	1,766.37	85.61	21.632		
7,900.00	7,130.55	8,011.79	7,125.61	44.09	45.78	-89.85	-1,594.21	312.07	1,855.05	1,766.27	88.78	20.895		
8,000.00	7,130.74	8,111.74	7,125.85	45.84	47.29	-89.85	-1,595.21	212.12	1,858.12	1,765.93	92.20	20.154		
8,100.00	7,130.94	8,211.70	7,126.09	47.70	48.93	-89.85	-1,596.21	112.18	1,861.19	1,765.36	95.83	19.421		
8,200.00	7,131.13	8,311.65	7,126.33	49.65	50.69	-89.86	-1,597.21	12.23	1,864.26	1,764.60	99.67	18.705		
8,300.00	7,131.32	8,411.60	7,126.57	51.70	52.57	-89.86	-1,598.22	-87.72	1,867.33	1,763.66	103.67	18.012		
8,400.00	7,131.52	8,511.56	7,126.81	53.81	54.54	-89.86	-1,599.22	-187.67	1,870.40	1,762.57	107.83	17.346		
8,500.00	7,131.71	8,611.51	7,127.05	55.99	56.59	-89.86	-1,600.22	-287.61	1,873.47	1,761.34	112.13	16.708		
8,600.00	7,131.90	8,711.46	7,127.29	58.24	58.72	-89.86	-1,601.22	-387.56	1,876.54	1,759.99	116.55	16.101		
8,700.00	7,132.10	8,811.41	7,127.53	60.53	60.91	-89.86	-1,602.22	-487.51	1,879.61	1,758.53	121.08	15.524		
8,800.00	7,132.29	8,911.37	7,127.77	62.87	63.16	-89.87	-1,603.22	-587.46	1,882.68	1,756.97	125.71	14.977		
8,900.00	7,132.49	9,011.32	7,128.00	65.25	65.46	-89.87	-1,604.22	-687.40	1,885.75	1,755.33	130.42	14.459		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 34N-9C-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		
9,000.00	7,132.68	9,111.27	7,128.24	67.68	67.80	-89.87	-1,605.22	-787.35	1,888.82	1,753.61	135.21	13.970		
9,100.00	7,132.87	9,211.23	7,128.48	70.13	70.19	-89.87	-1,606.22	-887.30	1,891.89	1,751.82	140.07	13.507		
9,200.00	7,133.07	9,311.18	7,128.72	72.61	72.61	-89.87	-1,607.22	-987.25	1,894.96	1,749.96	144.99	13.069		
9,300.00	7,133.26	9,411.13	7,128.96	75.13	75.06	-89.87	-1,608.23	-1,087.19	1,898.03	1,748.05	149.97	12.656		
9,400.00	7,133.46	9,511.08	7,129.20	77.66	77.54	-89.88	-1,609.23	-1,187.14	1,901.10	1,746.09	155.00	12.265		
9,500.00	7,133.65	9,611.04	7,129.44	80.22	80.04	-89.88	-1,610.23	-1,287.09	1,904.17	1,744.08	160.08	11.895		
9,600.00	7,133.84	9,710.99	7,129.68	82.80	82.57	-89.88	-1,611.23	-1,387.04	1,907.24	1,742.03	165.20	11.545		
9,700.00	7,134.04	9,810.94	7,129.92	85.40	85.12	-89.88	-1,612.23	-1,486.99	1,910.30	1,739.95	170.36	11.213		
9,800.00	7,134.23	9,910.90	7,130.16	88.01	87.69	-89.88	-1,613.23	-1,586.93	1,913.37	1,737.82	175.55	10.899		
9,900.00	7,134.43	10,010.85	7,130.40	90.64	90.28	-89.88	-1,614.23	-1,686.88	1,916.44	1,735.67	180.78	10.601		
10,000.00	7,134.62	10,110.80	7,130.64	93.28	92.89	-89.88	-1,615.23	-1,786.83	1,919.51	1,733.48	186.03	10.318		
10,100.00	7,134.81	10,210.75	7,130.88	95.94	95.51	-89.89	-1,616.23	-1,886.78	1,922.58	1,731.27	191.31	10.050		
10,200.00	7,135.01	10,310.71	7,131.12	98.61	98.14	-89.89	-1,617.24	-1,986.72	1,925.65	1,729.04	196.61	9.794		
10,300.00	7,135.20	10,410.66	7,131.36	101.28	100.78	-89.89	-1,618.24	-2,086.67	1,928.72	1,726.78	201.94	9.551		
10,400.00	7,135.39	10,510.61	7,131.60	103.97	103.44	-89.89	-1,619.24	-2,186.62	1,931.79	1,724.50	207.29	9.319		
10,500.00	7,135.59	10,610.57	7,131.84	106.67	106.11	-89.89	-1,620.24	-2,286.57	1,934.86	1,722.20	212.66	9.098		
10,600.00	7,135.78	10,710.52	7,132.08	109.38	108.78	-89.89	-1,621.24	-2,386.51	1,937.93	1,719.89	218.04	8.888		
10,700.00	7,135.98	10,810.47	7,132.32	112.09	111.47	-89.90	-1,622.24	-2,486.46	1,941.00	1,717.55	223.45	8.687		
10,800.00	7,136.17	10,910.42	7,132.56	114.81	114.16	-89.90	-1,623.24	-2,586.41	1,944.07	1,715.20	228.86	8.494		
10,900.00	7,136.36	11,010.38	7,132.80	117.54	116.86	-89.90	-1,624.24	-2,686.36	1,947.14	1,712.84	234.30	8.311		
11,000.00	7,136.56	11,110.33	7,133.04	120.28	119.57	-89.90	-1,625.24	-2,786.30	1,950.21	1,710.47	239.74	8.135		
11,100.00	7,136.75	11,210.28	7,133.28	123.02	122.29	-89.90	-1,626.25	-2,886.25	1,953.28	1,708.08	245.20	7.966		
11,200.00	7,136.95	11,310.24	7,133.52	125.76	125.01	-89.90	-1,627.25	-2,986.20	1,956.35	1,705.68	250.67	7.804		
11,300.00	7,137.14	11,410.19	7,133.76	128.52	127.74	-89.90	-1,628.25	-3,086.15	1,959.42	1,703.27	256.15	7.649		
11,400.00	7,137.33	11,510.14	7,134.00	131.27	130.47	-89.91	-1,629.25	-3,186.09	1,962.49	1,700.84	261.64	7.501		
11,500.00	7,137.53	11,610.09	7,134.24	134.03	133.21	-89.91	-1,630.25	-3,286.04	1,965.55	1,698.41	267.14	7.358		
11,600.00	7,137.72	11,710.05	7,134.48	136.80	135.95	-89.91	-1,631.25	-3,385.99	1,968.62	1,695.97	272.65	7.220		
11,700.00	7,137.92	11,810.00	7,134.72	139.57	138.70	-89.91	-1,632.25	-3,485.94	1,971.69	1,693.52	278.17	7.088		
11,800.00	7,138.11	11,909.95	7,134.96	142.34	141.45	-89.91	-1,633.25	-3,585.88	1,974.76	1,691.07	283.70	6.961		
11,900.00	7,138.30	12,009.91	7,135.20	145.12	144.21	-89.91	-1,634.25	-3,685.83	1,977.83	1,688.60	289.23	6.838		
12,000.00	7,138.50	12,109.86	7,135.43	147.90	146.97	-89.91	-1,635.26	-3,785.78	1,980.90	1,686.13	294.77	6.720		
12,100.00	7,138.69	12,209.81	7,135.67	150.68	149.73	-89.92	-1,636.26	-3,885.73	1,983.97	1,683.65	300.32	6.606		
12,200.00	7,138.88	12,309.76	7,135.91	153.47	152.50	-89.92	-1,637.26	-3,985.67	1,987.04	1,681.17	305.87	6.496		
12,300.00	7,139.08	12,409.72	7,136.15	156.26	155.27	-89.92	-1,638.26	-4,085.62	1,990.11	1,678.68	311.43	6.390		
12,400.00	7,139.27	12,509.67	7,136.39	159.05	158.05	-89.92	-1,639.26	-4,185.57	1,993.18	1,676.18	317.00	6.288		
12,500.00	7,139.47	12,609.62	7,136.63	161.85	160.82	-89.92	-1,640.26	-4,285.52	1,996.25	1,673.68	322.57	6.189		
12,600.00	7,139.66	12,709.58	7,136.87	164.64	163.60	-89.92	-1,641.26	-4,385.46	1,999.32	1,671.17	328.14	6.093		
12,700.00	7,139.85	12,809.53	7,137.11	167.44	166.38	-89.92	-1,642.26	-4,485.41	2,002.39	1,668.66	333.73	6.000		
12,800.00	7,140.05	12,909.48	7,137.35	170.24	169.17	-89.93	-1,643.26	-4,585.36	2,005.46	1,666.15	339.31	5.910		
12,900.00	7,140.24	13,009.43	7,137.59	173.05	171.95	-89.93	-1,644.26	-4,685.31	2,008.53	1,663.63	344.90	5.823		
13,000.00	7,140.44	13,109.39	7,137.83	175.85	174.74	-89.93	-1,645.27	-4,785.25	2,011.60	1,661.10	350.50	5.739		
13,100.00	7,140.63	13,209.34	7,138.07	178.66	177.53	-89.93	-1,646.27	-4,885.20	2,014.67	1,658.57	356.09	5.658		
13,200.00	7,140.82	13,309.29	7,138.31	181.47	180.33	-89.93	-1,647.27	-4,985.15	2,017.74	1,656.04	361.70	5.579		
13,300.00	7,141.02	13,409.25	7,138.55	184.28	183.12	-89.93	-1,648.27	-5,085.10	2,020.80	1,653.50	367.30	5.502		
13,400.00	7,141.21	13,509.20	7,138.79	187.10	185.92	-89.93	-1,649.27	-5,185.05	2,023.87	1,650.96	372.91	5.427		
13,500.00	7,141.41	13,609.15	7,139.03	189.91	188.72	-89.94	-1,650.27	-5,284.99	2,026.94	1,648.42	378.52	5.355		
13,600.00	7,141.60	13,709.10	7,139.27	192.73	191.52	-89.94	-1,651.27	-5,384.94	2,030.01	1,645.87	384.14	5.285		
13,700.00	7,141.79	13,809.06	7,139.51	195.54	194.32	-89.94	-1,652.27	-5,484.89	2,033.08	1,643.33	389.76	5.216		
13,800.00	7,141.99	13,909.01	7,139.75	198.36	197.12	-89.94	-1,653.27	-5,584.84	2,036.15	1,640.77	395.38	5.150		
13,900.00	7,142.18	14,008.96	7,139.99	201.18	199.93	-89.94	-1,654.28	-5,684.78	2,039.22	1,638.22	401.00	5.085		
14,000.00	7,142.37	14,108.92	7,140.23	204.01	202.73	-89.94	-1,655.28	-5,784.73	2,042.29	1,635.66	406.63	5.022		
14,100.00	7,142.57	14,208.87	7,140.47	206.83	205.54	-89.94	-1,656.28	-5,884.68	2,045.36	1,633.10	412.26	4.961		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	14,308.82	7,140.71	209.65	208.35	-89.95	-1,657.28	-5,984.63	2,048.43	1,630.54	417.89	4.902		
14,300.00	7,142.96	14,408.77	7,140.95	212.48	211.16	-89.95	-1,658.28	-6,084.57	2,051.50	1,627.97	423.53	4.844		
14,400.00	7,143.15	14,508.73	7,141.19	215.30	213.97	-89.95	-1,659.28	-6,184.52	2,054.57	1,625.41	429.16	4.787		
14,500.00	7,143.34	14,608.68	7,141.43	218.13	216.78	-89.95	-1,660.28	-6,284.47	2,057.64	1,622.84	434.80	4.732		
14,600.00	7,143.54	14,708.63	7,141.67	220.96	219.60	-89.95	-1,661.28	-6,384.42	2,060.71	1,620.26	440.44	4.679		
14,700.00	7,143.73	14,808.59	7,141.91	223.79	222.41	-89.95	-1,662.28	-6,484.36	2,063.78	1,617.69	446.09	4.626		
14,800.00	7,143.93	14,908.54	7,142.15	226.62	225.23	-89.95	-1,663.29	-6,584.31	2,066.85	1,615.12	451.73	4.575		
14,838.32	7,144.00	14,946.84	7,142.24	227.70	226.31	-89.95	-1,663.67	-6,622.61	2,068.02	1,614.13	453.89	4.556		
14,900.00	7,144.12	15,008.51	7,142.39	229.45	228.05	-89.95	-1,664.29	-6,684.27	2,069.25	1,611.88	457.38	4.524		
15,000.00	7,144.32	15,108.50	7,142.63	232.26	230.87	-89.95	-1,665.29	-6,784.26	2,068.42	1,605.41	463.01	4.467		
15,027.81	7,144.37	15,136.29	7,142.69	233.04	231.65	-89.95	-1,665.57	-6,812.05	2,067.57	1,603.00	464.58	4.450		
15,100.00	7,144.51	15,208.44	7,142.86	235.07	233.68	-89.95	-1,666.29	-6,884.20	2,065.02	1,596.38	468.64	4.406		
15,200.00	7,144.71	15,308.38	7,143.10	237.87	236.50	-89.95	-1,667.29	-6,984.13	2,061.47	1,587.20	474.27	4.347		
15,300.00	7,144.91	15,408.31	7,143.34	240.68	239.32	-89.95	-1,668.29	-7,084.06	2,057.93	1,578.03	479.90	4.288		
15,400.00	7,145.10	15,508.25	7,143.58	243.48	242.14	-89.95	-1,669.29	-7,183.99	2,054.39	1,568.86	485.53	4.231		
15,500.00	7,145.30	15,608.19	7,143.82	246.29	244.96	-89.95	-1,670.29	-7,283.92	2,050.84	1,559.68	491.16	4.176		
15,600.00	7,145.50	15,708.13	7,144.06	249.10	247.79	-89.96	-1,671.29	-7,383.86	2,047.30	1,550.50	496.79	4.121		
15,700.00	7,145.69	15,808.06	7,144.30	251.91	250.61	-89.96	-1,672.29	-7,483.79	2,043.75	1,541.33	502.43	4.068		
15,800.00	7,145.89	15,908.00	7,144.54	254.71	253.43	-89.96	-1,673.30	-7,583.72	2,040.21	1,532.15	508.06	4.016		
15,900.00	7,146.09	16,007.94	7,144.78	257.52	256.26	-89.96	-1,674.30	-7,683.65	2,036.67	1,522.96	513.70	3.965		
16,000.00	7,146.28	16,107.87	7,145.02	260.34	259.08	-89.96	-1,675.30	-7,783.58	2,033.12	1,513.78	519.34	3.915		
16,100.00	7,146.48	16,207.81	7,145.26	263.15	261.91	-89.96	-1,676.30	-7,883.52	2,029.58	1,504.60	524.98	3.866		
16,200.00	7,146.68	16,307.75	7,145.50	265.96	264.74	-89.96	-1,677.30	-7,983.45	2,026.04	1,495.41	530.62	3.818		
16,300.00	7,146.87	16,407.69	7,145.74	268.77	267.56	-89.96	-1,678.30	-8,083.38	2,022.49	1,486.23	536.27	3.771		
16,400.00	7,147.07	16,507.62	7,145.98	271.58	270.39	-89.97	-1,679.30	-8,183.31	2,018.95	1,477.04	541.91	3.726		
16,500.00	7,147.27	16,607.56	7,146.22	274.40	273.22	-89.97	-1,680.30	-8,283.24	2,015.41	1,467.85	547.55	3.681		
16,600.00	7,147.46	16,707.50	7,146.46	277.21	276.05	-89.97	-1,681.30	-8,383.17	2,011.86	1,458.66	553.20	3.637		
16,700.00	7,147.66	16,807.44	7,146.70	280.03	278.88	-89.97	-1,682.30	-8,483.11	2,008.32	1,449.47	558.85	3.594		
16,800.00	7,147.86	16,907.37	7,146.94	282.84	281.71	-89.97	-1,683.30	-8,583.04	2,004.77	1,440.28	564.50	3.551		
16,900.00	7,148.05	17,007.31	7,147.18	285.66	284.54	-89.97	-1,684.31	-8,682.97	2,001.23	1,431.09	570.14	3.510		
17,000.00	7,148.25	17,107.25	7,147.42	288.48	287.37	-89.97	-1,685.31	-8,782.90	1,997.69	1,421.89	575.79	3.469		
17,100.00	7,148.45	17,207.18	7,147.66	291.29	290.20	-89.97	-1,686.31	-8,882.83	1,994.14	1,412.70	581.44	3.430		
17,200.00	7,148.64	17,307.12	7,147.90	294.11	293.03	-89.97	-1,687.31	-8,982.77	1,990.60	1,403.50	587.10	3.391		
17,300.00	7,148.84	17,407.06	7,148.14	296.93	295.86	-89.98	-1,688.31	-9,082.70	1,987.06	1,394.31	592.75	3.352		
17,400.00	7,149.04	17,507.00	7,148.38	299.75	298.70	-89.98	-1,689.31	-9,182.63	1,983.51	1,385.11	598.40	3.315		
17,500.00	7,149.23	17,606.93	7,148.62	302.57	301.53	-89.98	-1,690.31	-9,282.56	1,979.97	1,375.91	604.06	3.278		
17,600.00	7,149.43	17,706.87	7,148.86	305.39	304.36	-89.98	-1,691.31	-9,382.49	1,976.43	1,366.71	609.71	3.242		
17,700.00	7,149.63	17,806.81	7,149.10	308.21	307.20	-89.98	-1,692.31	-9,482.43	1,972.88	1,357.51	615.37	3.206		
17,800.00	7,149.82	17,906.74	7,149.33	311.03	310.03	-89.98	-1,693.31	-9,582.36	1,969.34	1,348.31	621.02	3.171		
17,900.00	7,150.02	18,006.68	7,149.57	313.85	312.87	-89.98	-1,694.32	-9,682.29	1,965.79	1,339.11	626.68	3.137		
18,000.00	7,150.22	18,106.62	7,149.81	316.67	315.70	-89.98	-1,695.32	-9,782.22	1,962.25	1,329.91	632.34	3.103		
18,100.00	7,150.41	18,206.56	7,150.05	319.49	318.54	-89.99	-1,696.32	-9,882.15	1,958.71	1,320.71	638.00	3.070		
18,200.00	7,150.61	18,306.49	7,150.29	322.32	321.37	-89.99	-1,697.32	-9,982.09	1,955.16	1,311.51	643.66	3.038		
18,300.00	7,150.81	18,406.43	7,150.53	325.14	324.21	-89.99	-1,698.32	-10,082.02	1,951.62	1,302.30	649.32	3.006		
18,400.00	7,151.00	18,506.37	7,150.77	327.96	327.04	-89.99	-1,699.32	-10,181.95	1,948.08	1,293.10	654.98	2.974		
18,500.00	7,151.20	18,606.30	7,151.01	330.78	329.88	-89.99	-1,700.32	-10,281.88	1,944.53	1,283.89	660.64	2.943		
18,600.00	7,151.40	18,706.24	7,151.25	333.61	332.72	-89.99	-1,701.32	-10,381.81	1,940.99	1,274.69	666.30	2.913		
18,700.00	7,151.59	18,806.18	7,151.49	336.43	335.56	-89.99	-1,702.32	-10,481.74	1,937.45	1,265.48	671.96	2.883		
18,800.00	7,151.79	18,906.12	7,151.73	339.26	338.39	-89.99	-1,703.32	-10,581.68	1,933.90	1,256.28	677.63	2.854		
18,906.26	7,152.00	19,012.31	7,151.99	342.26	341.41	-90.00	-1,704.39	-10,687.87	1,930.14	1,246.49	683.64	2.823 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.97	-1.67	179.97					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-179.97	-1.67	179.97	173.41	6.57	27.396		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-179.97	-1.67	179.97	173.30	6.67	26.966 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	101.07	-179.97	-1.67	180.30	173.41	6.89	26.177		
400.00	399.84	394.79	394.77	3.60	3.59	102.29	-181.32	-0.87	182.76	175.57	7.19	25.409		
500.00	499.45	489.34	489.21	3.81	3.77	103.85	-185.35	1.52	188.87	181.28	7.59	24.888		
600.00	598.70	583.45	582.99	4.06	3.98	105.61	-192.03	5.46	198.72	190.65	8.07	24.636		
700.00	697.47	676.92	675.83	4.34	4.23	107.45	-201.28	10.93	212.37	203.76	8.61	24.662		
785.50	781.43	756.17	754.24	4.61	4.46	109.00	-211.16	16.78	227.08	217.96	9.12	24.891		
800.00	795.63	769.54	767.44	4.66	4.50	109.29	-213.01	17.88	229.85	220.63	9.21	24.945		
900.00	893.55	861.45	857.86	5.02	4.80	110.91	-227.17	26.25	250.38	240.52	9.86	25.394		
1,000.00	991.47	952.64	947.01	5.40	5.13	111.84	-243.68	36.01	273.33	262.79	10.54	25.939		
1,100.00	1,089.39	1,042.92	1,034.62	5.80	5.49	112.23	-262.42	47.09	298.53	287.28	11.25	26.539		
1,200.00	1,187.31	1,132.15	1,120.50	6.21	5.86	112.20	-283.27	59.42	325.91	313.93	11.98	27.202		
1,300.00	1,285.22	1,220.16	1,204.42	6.64	6.26	111.85	-306.08	72.91	355.41	342.68	12.73	27.922		
1,400.00	1,383.14	1,306.83	1,286.23	7.08	6.68	111.27	-330.69	87.47	387.03	373.55	13.49	28.697		
1,500.00	1,481.06	1,392.02	1,365.76	7.52	7.12	110.53	-356.96	103.00	420.77	406.52	14.25	29.524		
1,600.00	1,578.98	1,475.62	1,442.90	7.98	7.58	109.68	-384.70	119.41	456.63	441.62	15.02	30.408		
1,700.00	1,676.90	1,567.70	1,527.28	8.44	8.12	108.75	-416.42	138.17	493.71	477.83	15.88	31.095		
1,800.00	1,774.82	1,660.29	1,612.12	8.90	8.67	107.94	-448.33	157.04	530.89	514.13	16.76	31.674		
1,900.00	1,872.74	1,752.87	1,696.97	9.37	9.24	107.24	-480.23	175.91	568.15	550.49	17.66	32.172		
2,000.00	1,970.66	1,845.46	1,781.81	9.84	9.82	106.62	-512.14	194.78	605.47	586.90	18.57	32.602		
2,100.00	2,068.57	1,938.05	1,866.66	10.32	10.41	106.08	-544.04	213.64	642.85	623.36	19.49	32.977		
2,200.00	2,166.49	2,030.64	1,951.50	10.80	11.01	105.59	-575.95	232.51	680.27	659.85	20.43	33.305		
2,300.00	2,264.41	2,123.23	2,036.35	11.28	11.61	105.16	-607.85	251.38	717.73	696.37	21.37	33.593		
2,400.00	2,362.33	2,215.82	2,121.20	11.76	12.22	104.77	-639.75	270.25	755.22	732.91	22.31	33.847		
2,500.00	2,460.25	2,308.41	2,206.04	12.24	12.83	104.42	-671.66	289.12	792.74	769.48	23.27	34.072		
2,600.00	2,558.17	2,400.99	2,290.89	12.73	13.45	104.09	-703.56	307.98	830.29	806.06	24.23	34.273		
2,700.00	2,656.09	2,506.42	2,375.73	13.22	14.16	103.80	-735.47	326.85	867.85	842.59	25.26	34.352		
2,800.00	2,754.01	2,586.17	2,460.58	13.71	14.69	103.53	-767.37	345.72	905.43	879.27	26.16	34.613		
2,900.00	2,851.92	2,678.76	2,545.42	14.20	15.32	103.28	-799.28	364.59	943.03	915.90	27.13	34.758		
3,000.00	2,949.84	2,771.35	2,630.27	14.69	15.95	103.05	-831.18	383.46	980.64	952.53	28.11	34.890		
3,100.00	3,047.76	2,863.94	2,715.11	15.18	16.58	102.84	-863.09	402.33	1,018.26	989.18	29.09	35.009		
3,200.00	3,145.68	2,956.52	2,799.96	15.67	17.22	102.64	-894.99	421.19	1,055.90	1,025.83	30.07	35.117		
3,300.00	3,243.60	3,049.11	2,884.80	16.17	17.85	102.46	-926.89	440.06	1,093.54	1,062.49	31.05	35.216		
3,400.00	3,341.52	3,141.70	2,969.65	16.66	18.49	102.29	-958.80	458.93	1,131.20	1,099.16	32.04	35.307		
3,500.00	3,439.44	3,234.29	3,054.49	17.16	19.13	102.12	-990.70	477.80	1,168.86	1,135.83	33.03	35.390		
3,600.00	3,537.36	3,326.88	3,139.34	17.65	19.77	101.97	-1,022.61	496.67	1,206.53	1,172.51	34.02	35.466		
3,700.00	3,635.27	3,419.47	3,224.18	18.15	20.41	101.83	-1,054.51	515.54	1,244.21	1,209.19	35.01	35.537		
3,800.00	3,733.19	3,512.06	3,309.03	18.65	21.05	101.70	-1,086.42	534.40	1,281.89	1,245.88	36.01	35.602		
3,900.00	3,831.11	3,604.64	3,393.88	19.14	21.69	101.57	-1,118.32	553.27	1,319.58	1,282.57	37.00	35.662		
4,000.00	3,929.03	3,702.77	3,478.72	19.64	22.37	101.46	-1,150.23	572.14	1,357.27	1,319.24	38.03	35.687		
4,100.00	4,026.95	3,789.82	3,563.57	20.14	22.98	101.34	-1,182.13	591.01	1,394.97	1,355.97	39.00	35.770		
4,200.00	4,124.87	3,882.41	3,648.41	20.64	23.63	101.24	-1,214.03	609.88	1,432.67	1,392.67	40.00	35.818		
4,300.00	4,222.79	3,975.00	3,733.26	21.14	24.27	101.14	-1,245.94	628.75	1,470.38	1,429.38	41.00	35.864		
4,400.00	4,320.71	4,067.59	3,818.10	21.64	24.92	101.04	-1,277.84	647.61	1,508.09	1,466.09	42.00	35.906		
4,500.00	4,418.62	4,160.18	3,902.95	22.14	25.56	100.95	-1,309.75	666.48	1,545.80	1,502.80	43.00	35.945		
4,600.00	4,516.54	4,252.76	3,987.79	22.64	26.21	100.86	-1,341.65	685.35	1,583.52	1,539.51	44.01	35.982		
4,700.00	4,614.46	4,345.35	4,072.64	23.14	26.86	100.78	-1,373.56	704.22	1,621.24	1,576.22	45.01	36.017		
4,800.00	4,712.38	4,437.94	4,157.48	23.64	27.51	100.70	-1,405.46	723.09	1,658.96	1,612.94	46.02	36.050		
4,900.00	4,810.30	4,530.53	4,242.33	24.14	28.16	100.63	-1,437.37	741.95	1,696.68	1,649.66	47.03	36.080		
5,000.00	4,908.22	4,623.12	4,327.17	24.64	28.81	100.55	-1,469.27	760.82	1,734.41	1,686.38	48.03	36.109		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,715.71	4,412.02	25.14	29.46	100.48	-1,501.17	779.69	1,772.14	1,723.10	49.04	36.137		
5,200.00	5,104.06	4,808.29	4,496.86	25.64	30.11	100.42	-1,533.08	798.56	1,809.87	1,759.82	50.05	36.162		
5,300.00	5,201.97	4,900.88	4,581.71	26.14	30.76	100.35	-1,564.98	817.43	1,847.61	1,796.55	51.06	36.187		
5,400.00	5,299.89	5,006.53	4,666.55	26.64	31.50	100.29	-1,596.89	836.30	1,885.34	1,833.20	52.15	36.156		
5,500.00	5,397.81	5,086.06	4,751.40	27.15	32.06	100.23	-1,628.79	855.16	1,923.08	1,870.00	53.08	36.231		
5,600.00	5,495.73	5,178.65	4,836.25	27.65	32.71	100.18	-1,660.70	874.03	1,960.82	1,906.73	54.09	36.252		
5,700.00	5,593.65	5,271.24	4,921.09	28.15	33.36	100.12	-1,692.60	892.90	1,998.56	1,943.46	55.10	36.271		
5,800.00	5,691.57	5,363.83	5,005.94	28.65	34.01	100.07	-1,724.51	911.77	2,036.30	1,980.19	56.11	36.290		
5,900.00	5,789.49	5,456.41	5,090.78	29.15	34.66	100.02	-1,756.41	930.64	2,074.04	2,016.92	57.12	36.308		
6,000.00	5,887.41	5,549.00	5,175.63	29.66	35.32	99.97	-1,788.31	949.51	2,111.79	2,053.65	58.14	36.324		
6,100.00	5,985.32	5,641.59	5,260.47	30.16	35.97	99.93	-1,820.22	968.37	2,149.54	2,090.39	59.15	36.340		
6,200.00	6,083.24	5,734.18	5,345.32	30.66	36.62	99.88	-1,852.12	987.24	2,187.28	2,127.12	60.16	36.355		
6,300.00	6,181.16	5,826.77	5,430.16	31.16	37.27	99.84	-1,884.03	1,006.11	2,225.03	2,163.85	61.18	36.370		
6,400.00	6,279.08	5,919.36	5,515.01	31.67	37.93	99.80	-1,915.93	1,024.98	2,262.78	2,200.59	62.19	36.383		
6,490.03	6,367.24	6,002.72	5,591.40	32.12	38.51	99.76	-1,944.66	1,041.97	2,296.77	2,233.66	63.11	36.395		
6,500.00	6,377.01	6,011.94	5,599.85	32.17	38.58	101.04	-1,947.84	1,043.85	2,300.53	2,237.33	63.21	36.397		
6,550.00	6,426.43	6,058.08	5,642.13	32.40	38.90	111.21	-1,963.74	1,053.25	2,319.45	2,255.76	63.69	36.419		
6,600.00	6,476.27	6,103.77	5,684.00	32.61	39.23	147.52	-1,979.48	1,062.56	2,338.36	2,274.22	64.13	36.462		
6,650.00	6,526.21	6,148.73	5,725.20	32.80	39.54	-124.71	-1,994.97	1,071.72	2,357.16	2,292.63	64.54	36.523		
6,700.00	6,575.96	6,207.31	5,765.48	32.98	39.96	-102.23	-2,010.12	1,080.68	2,375.82	2,310.81	65.01	36.547		
6,750.00	6,625.19	6,235.37	5,804.59	33.16	40.16	-94.60	-2,024.82	1,089.38	2,394.26	2,328.97	65.29	36.673		
6,800.00	6,673.62	6,276.51	5,842.29	33.35	40.45	-90.42	-2,039.00	1,097.76	2,412.47	2,346.83	65.64	36.753		
6,850.00	6,720.94	6,315.85	5,878.34	33.55	40.72	-87.58	-2,052.56	1,105.78	2,430.41	2,364.43	65.98	36.836		
6,900.00	6,766.86	6,353.16	5,912.53	33.76	40.99	-85.39	-2,065.41	1,113.38	2,448.09	2,381.78	66.31	36.918		
6,950.00	6,811.10	6,388.20	5,944.64	33.98	41.23	-83.58	-2,077.49	1,120.52	2,465.49	2,398.85	66.63	37.001		
7,000.00	6,853.38	6,420.75	5,974.47	34.23	41.46	-82.01	-2,088.71	1,127.16	2,482.61	2,415.66	66.95	37.081		
7,050.00	6,893.45	6,450.63	6,001.85	34.50	41.68	-80.60	-2,099.00	1,133.24	2,499.46	2,432.19	67.27	37.158		
7,100.00	6,931.05	6,477.63	6,026.60	34.79	41.87	-79.28	-2,108.31	1,138.75	2,516.04	2,448.46	67.58	37.230		
7,150.00	6,965.96	6,501.61	6,048.56	35.12	42.03	-78.03	-2,116.57	1,143.63	2,532.34	2,464.44	67.90	37.295		
7,200.00	6,997.96	6,522.40	6,067.61	35.47	42.18	-76.81	-2,123.73	1,147.87	2,548.36	2,480.13	68.23	37.351		
7,250.00	7,026.85	6,539.88	6,083.63	35.86	42.31	-75.61	-2,129.75	1,151.43	2,564.09	2,495.52	68.56	37.397		
7,300.00	7,052.45	6,553.94	6,096.52	36.29	42.40	-74.41	-2,134.60	1,154.30	2,579.50	2,510.59	68.91	37.433		
7,350.00	7,074.61	6,564.50	6,106.19	36.76	42.48	-73.20	-2,138.24	1,156.45	2,594.56	2,525.29	69.27	37.456		
7,400.00	7,093.19	6,571.48	6,112.60	37.27	42.53	-71.98	-2,140.65	1,157.87	2,609.22	2,539.58	69.64	37.467		
7,450.00	7,108.07	6,574.86	6,115.69	37.81	42.55	-70.76	-2,141.81	1,158.56	2,623.44	2,553.42	70.02	37.466		
7,500.00	7,119.17	6,574.60	6,115.45	38.39	42.55	-69.52	-2,141.72	1,158.51	2,637.15	2,566.74	70.41	37.453		
7,550.00	7,126.41	6,570.71	6,111.89	38.99	42.52	-68.28	-2,140.38	1,157.72	2,650.27	2,579.46	70.80	37.431		
7,600.00	7,129.75	6,563.21	6,105.02	39.62	42.47	-67.06	-2,137.80	1,156.19	2,662.71	2,591.51	71.19	37.400		
7,616.41	7,130.00	6,559.97	6,102.05	39.83	42.45	-66.66	-2,136.68	1,155.53	2,666.62	2,595.30	71.32	37.389		
7,700.00	7,130.16	6,542.50	6,086.03	40.97	42.32	-66.28	-2,130.66	1,151.97	2,687.54	2,615.53	72.01	37.322		
7,800.00	7,130.35	6,521.59	6,066.87	42.46	42.18	-65.83	-2,123.45	1,147.70	2,715.58	2,642.65	72.93	37.237		
7,900.00	7,130.55	8,123.99	6,960.71	44.09	50.14	-86.42	-2,454.20	281.96	2,720.27	2,628.84	91.44	29.750		
8,000.00	7,130.74	8,223.98	6,960.97	45.84	51.37	-86.43	-2,453.79	181.97	2,721.93	2,627.06	94.86	28.693		
8,100.00	7,130.94	8,323.96	6,961.22	47.70	52.77	-86.43	-2,453.38	81.99	2,723.58	2,625.08	98.50	27.651		
8,200.00	7,131.13	8,423.95	6,961.47	49.65	54.32	-86.43	-2,452.97	-18.00	2,725.23	2,622.90	102.33	26.633		
8,300.00	7,131.32	8,523.93	6,961.72	51.70	56.01	-86.44	-2,452.56	-117.98	2,726.88	2,620.56	106.32	25.647		
8,400.00	7,131.52	8,623.92	6,961.97	53.81	57.82	-86.44	-2,452.15	-217.97	2,728.53	2,618.06	110.47	24.699		
8,500.00	7,131.71	8,723.91	6,962.22	55.99	59.74	-86.44	-2,451.74	-317.95	2,730.19	2,615.43	114.75	23.792		
8,600.00	7,131.90	8,823.89	6,962.48	58.24	61.75	-86.45	-2,451.33	-417.94	2,731.84	2,612.68	119.16	22.927		
8,700.00	7,132.10	8,923.88	6,962.73	60.53	63.85	-86.45	-2,450.92	-517.92	2,733.49	2,609.82	123.67	22.104		
8,800.00	7,132.29	9,023.87	6,962.98	62.87	66.01	-86.45	-2,450.51	-617.91	2,735.14	2,606.87	128.27	21.323		
8,900.00	7,132.49	9,123.85	6,963.23	65.25	68.24	-86.46	-2,450.10	-717.89	2,736.79	2,603.83	132.96	20.583		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,223.84	6,963.48	67.68	70.52	-86.46	-2,449.69	-817.88	2,738.45	2,600.71	137.73	19.882		
9,100.00	7,132.87	9,323.82	6,963.74	70.13	72.84	-86.46	-2,449.28	-917.86	2,740.10	2,597.52	142.57	19.219		
9,200.00	7,133.07	9,423.81	6,963.99	72.61	75.21	-86.47	-2,448.87	-1,017.85	2,741.75	2,594.27	147.48	18.591		
9,300.00	7,133.26	9,523.80	6,964.24	75.13	77.62	-86.47	-2,448.47	-1,117.83	2,743.40	2,590.97	152.43	17.997		
9,400.00	7,133.46	9,623.78	6,964.49	77.66	80.06	-86.47	-2,448.06	-1,217.82	2,745.05	2,587.61	157.45	17.435		
9,500.00	7,133.65	9,723.77	6,964.74	80.22	82.53	-86.48	-2,447.65	-1,317.80	2,746.71	2,584.20	162.50	16.903		
9,600.00	7,133.84	9,823.76	6,964.99	82.80	85.03	-86.48	-2,447.24	-1,417.79	2,748.36	2,580.76	167.60	16.398		
9,700.00	7,134.04	9,923.74	6,965.25	85.40	87.55	-86.48	-2,446.83	-1,517.77	2,750.01	2,577.27	172.74	15.920		
9,800.00	7,134.23	10,023.73	6,965.50	88.01	90.09	-86.49	-2,446.42	-1,617.76	2,751.66	2,573.75	177.91	15.466		
9,900.00	7,134.43	10,123.71	6,965.75	90.64	92.66	-86.49	-2,446.01	-1,717.74	2,753.32	2,570.20	183.12	15.036		
10,000.00	7,134.62	10,223.70	6,966.00	93.28	95.24	-86.49	-2,445.60	-1,817.73	2,754.97	2,566.62	188.35	14.627		
10,100.00	7,134.81	10,323.69	6,966.25	95.94	97.84	-86.50	-2,445.19	-1,917.71	2,756.62	2,563.00	193.61	14.238		
10,200.00	7,135.01	10,423.67	6,966.51	98.61	100.45	-86.50	-2,444.78	-2,017.70	2,758.27	2,559.37	198.90	13.867		
10,300.00	7,135.20	10,523.66	6,966.76	101.28	103.08	-86.50	-2,444.37	-2,117.68	2,759.92	2,555.71	204.21	13.515		
10,400.00	7,135.39	10,623.64	6,967.01	103.97	105.72	-86.51	-2,443.96	-2,217.67	2,761.58	2,552.03	209.54	13.179		
10,500.00	7,135.59	10,723.63	6,967.26	106.67	108.37	-86.51	-2,443.55	-2,317.66	2,763.23	2,548.33	214.90	12.858		
10,600.00	7,135.78	10,823.62	6,967.51	109.38	111.04	-86.51	-2,443.14	-2,417.64	2,764.88	2,544.61	220.27	12.552		
10,700.00	7,135.98	10,923.60	6,967.77	112.09	113.71	-86.52	-2,442.73	-2,517.63	2,766.53	2,540.88	225.65	12.260		
10,800.00	7,136.17	11,023.59	6,968.02	114.81	116.39	-86.52	-2,442.32	-2,617.61	2,768.19	2,537.13	231.06	11.981		
10,900.00	7,136.36	11,123.58	6,968.27	117.54	119.08	-86.52	-2,441.91	-2,717.60	2,769.84	2,533.36	236.47	11.713		
11,000.00	7,136.56	11,223.56	6,968.52	120.28	121.78	-86.53	-2,441.50	-2,817.58	2,771.49	2,529.58	241.91	11.457		
11,100.00	7,136.75	11,323.55	6,968.77	123.02	124.49	-86.53	-2,441.09	-2,917.57	2,773.14	2,525.79	247.35	11.211		
11,200.00	7,136.95	11,423.53	6,969.02	125.76	127.20	-86.53	-2,440.68	-3,017.55	2,774.79	2,521.99	252.81	10.976		
11,300.00	7,137.14	11,523.52	6,969.28	128.52	129.92	-86.54	-2,440.28	-3,117.54	2,776.45	2,518.17	258.27	10.750		
11,400.00	7,137.33	11,623.51	6,969.53	131.27	132.65	-86.54	-2,439.87	-3,217.52	2,778.10	2,514.35	263.75	10.533		
11,500.00	7,137.53	11,723.49	6,969.78	134.03	135.38	-86.54	-2,439.46	-3,317.51	2,779.75	2,510.51	269.24	10.324		
11,600.00	7,137.72	11,823.48	6,970.03	136.80	138.12	-86.54	-2,439.05	-3,417.49	2,781.40	2,506.67	274.74	10.124		
11,700.00	7,137.92	11,923.47	6,970.28	139.57	140.86	-86.55	-2,438.64	-3,517.48	2,783.06	2,502.81	280.24	9.931		
11,800.00	7,138.11	12,023.45	6,970.54	142.34	143.61	-86.55	-2,438.23	-3,617.46	2,784.71	2,498.95	285.76	9.745		
11,900.00	7,138.30	12,123.44	6,970.79	145.12	146.36	-86.55	-2,437.82	-3,717.45	2,786.36	2,495.08	291.28	9.566		
12,000.00	7,138.50	12,223.42	6,971.04	147.90	149.12	-86.56	-2,437.41	-3,817.43	2,788.01	2,491.20	296.81	9.393		
12,100.00	7,138.69	12,323.41	6,971.29	150.68	151.88	-86.56	-2,437.00	-3,917.42	2,789.66	2,487.32	302.35	9.227		
12,200.00	7,138.88	12,423.40	6,971.54	153.47	154.64	-86.56	-2,436.59	-4,017.40	2,791.32	2,483.42	307.89	9.066		
12,300.00	7,139.08	12,523.38	6,971.79	156.26	157.41	-86.57	-2,436.18	-4,117.39	2,792.97	2,479.53	313.44	8.911		
12,400.00	7,139.27	12,623.37	6,972.05	159.05	160.18	-86.57	-2,435.77	-4,217.37	2,794.62	2,475.62	319.00	8.761		
12,500.00	7,139.47	12,723.36	6,972.30	161.85	162.96	-86.57	-2,435.36	-4,317.36	2,796.27	2,471.72	324.56	8.616		
12,600.00	7,139.66	12,823.34	6,972.55	164.64	165.73	-86.58	-2,434.95	-4,417.34	2,797.93	2,467.80	330.13	8.475		
12,700.00	7,139.85	12,923.33	6,972.80	167.44	168.51	-86.58	-2,434.54	-4,517.33	2,799.58	2,463.88	335.70	8.340		
12,800.00	7,140.05	13,023.31	6,973.00	170.24	170.70	-86.58	-2,434.22	-4,596.01	2,801.31	2,460.70	340.61	8.224		
12,900.00	7,140.24	13,023.30	6,973.00	173.05	170.70	-86.58	-2,434.22	-4,596.01	2,805.51	2,462.69	342.82	8.184		
13,000.00	7,140.44	13,023.30	6,973.00	175.85	170.70	-86.58	-2,434.22	-4,596.01	2,813.25	2,468.64	344.61	8.164 SF		
13,100.00	7,140.63	13,023.30	6,973.00	178.66	170.70	-86.58	-2,434.22	-4,596.01	2,824.52	2,478.54	345.98	8.164		
13,200.00	7,140.82	13,023.30	6,973.00	181.47	170.70	-86.58	-2,434.22	-4,596.01	2,839.26	2,492.33	346.94	8.184		
13,300.00	7,141.02	13,023.30	6,973.00	184.28	170.70	-86.58	-2,434.22	-4,596.01	2,857.44	2,509.94	347.49	8.223		
13,400.00	7,141.21	13,023.30	6,973.00	187.10	170.70	-86.58	-2,434.22	-4,596.01	2,878.97	2,531.31	347.65	8.281		
13,500.00	7,141.41	13,023.30	6,973.00	189.91	170.70	-86.58	-2,434.22	-4,596.01	2,903.79	2,556.35	347.44	8.358		
13,600.00	7,141.60	13,023.30	6,973.00	192.73	170.70	-86.58	-2,434.22	-4,596.01	2,931.81	2,584.93	346.87	8.452		
13,700.00	7,141.79	13,023.30	6,973.00	195.54	170.70	-86.58	-2,434.22	-4,596.01	2,962.94	2,616.97	345.97	8.564		
13,800.00	7,141.99	13,023.30	6,973.00	198.36	170.70	-86.58	-2,434.22	-4,596.01	2,997.09	2,652.32	344.76	8.693		
13,900.00	7,142.18	13,023.30	6,973.00	201.18	170.70	-86.58	-2,434.22	-4,596.01	3,034.15	2,690.87	343.27	8.839		
14,000.00	7,142.37	13,023.30	6,973.00	204.01	170.70	-86.58	-2,434.22	-4,596.01	3,074.01	2,732.49	341.52	9.001		
14,100.00	7,142.57	13,023.30	6,973.00	206.83	170.70	-86.58	-2,434.22	-4,596.01	3,116.58	2,777.04	339.54	9.179		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,200.00	7,142.76	13,002.01	6,973.00	209.65	170.70	-86.58	-2,434.22	-4,596.01	3,161.74	2,824.38	337.36	9.372		
14,300.00	7,142.96	13,002.01	6,973.00	212.48	170.70	-86.58	-2,434.22	-4,596.01	3,209.38	2,874.39	334.99	9.580		
14,400.00	7,143.15	13,002.01	6,973.00	215.30	170.70	-86.58	-2,434.22	-4,596.01	3,259.39	2,926.92	332.47	9.803		
14,500.00	7,143.34	13,002.01	6,973.00	218.13	170.70	-86.58	-2,434.22	-4,596.01	3,311.67	2,981.85	329.82	10.041		
14,600.00	7,143.54	13,002.01	6,973.00	220.96	170.70	-86.58	-2,434.22	-4,596.01	3,366.11	3,039.05	327.06	10.292		
14,700.00	7,143.73	13,002.01	6,973.00	223.79	170.70	-86.58	-2,434.22	-4,596.01	3,422.60	3,098.40	324.20	10.557		
14,800.00	7,143.93	13,002.01	6,973.00	226.62	170.70	-86.58	-2,434.22	-4,596.01	3,481.05	3,159.77	321.28	10.835		
14,838.32	7,144.00	13,002.01	6,973.00	227.70	170.70	-86.58	-2,434.22	-4,596.01	3,503.95	3,183.81	320.14	10.945		
14,900.00	7,144.12	13,002.01	6,973.00	229.45	170.70	-86.64	-2,434.22	-4,596.01	3,540.83	3,222.56	318.28	11.125		
15,000.00	7,144.32	13,002.01	6,973.00	232.26	170.70	-86.72	-2,434.22	-4,596.01	3,599.84	3,284.69	315.15	11.423		
15,027.81	7,144.37	13,002.01	6,973.00	233.04	170.70	-86.74	-2,434.22	-4,596.01	3,616.08	3,301.82	314.25	11.507		
15,100.00	7,144.51	13,002.01	6,973.00	235.07	170.70	-86.74	-2,434.22	-4,596.01	3,658.59	3,346.68	311.91	11.730		
15,200.00	7,144.71	13,002.01	6,973.00	237.87	170.70	-86.74	-2,434.22	-4,596.01	3,718.99	3,410.34	308.65	12.049		
15,300.00	7,144.91	13,002.01	6,973.00	240.68	170.70	-86.74	-2,434.22	-4,596.01	3,781.07	3,475.71	305.37	12.382		
15,400.00	7,145.10	13,002.01	6,973.00	243.48	170.70	-86.74	-2,434.22	-4,596.01	3,844.75	3,542.67	302.08	12.728		
15,500.00	7,145.30	13,002.01	6,973.00	246.29	170.70	-86.74	-2,434.22	-4,596.01	3,909.95	3,611.15	298.80	13.086		
15,600.00	7,145.50	13,002.01	6,973.00	249.10	170.70	-86.74	-2,434.22	-4,596.01	3,976.60	3,681.07	295.53	13.456		
15,700.00	7,145.69	13,002.01	6,973.00	251.91	170.70	-86.74	-2,434.22	-4,596.01	4,044.62	3,752.33	292.29	13.838		
15,800.00	7,145.89	13,002.01	6,973.00	254.71	170.70	-86.74	-2,434.22	-4,596.01	4,113.95	3,824.87	289.08	14.231		
15,900.00	7,146.09	13,002.01	6,973.00	257.52	170.70	-86.74	-2,434.22	-4,596.01	4,184.52	3,898.62	285.90	14.636		
16,000.00	7,146.28	13,002.01	6,973.00	260.34	170.70	-86.74	-2,434.22	-4,596.01	4,256.27	3,973.50	282.77	15.052		
16,100.00	7,146.48	13,002.01	6,973.00	263.15	170.70	-86.74	-2,434.22	-4,596.01	4,329.14	4,049.46	279.67	15.479		
16,200.00	7,146.68	13,002.01	6,973.00	265.96	170.70	-86.74	-2,434.22	-4,596.01	4,403.07	4,126.44	276.63	15.917		
16,300.00	7,146.87	13,002.01	6,973.00	268.77	170.70	-86.74	-2,434.22	-4,596.01	4,478.02	4,204.38	273.64	16.365		
16,400.00	7,147.07	13,002.01	6,973.00	271.58	170.70	-86.74	-2,434.22	-4,596.01	4,553.93	4,283.23	270.71	16.822		
16,500.00	7,147.27	13,002.01	6,973.00	274.40	170.70	-86.74	-2,434.22	-4,596.01	4,630.76	4,362.93	267.82	17.290		
16,600.00	7,147.46	13,002.01	6,973.00	277.21	170.70	-86.74	-2,434.22	-4,596.01	4,708.45	4,443.45	265.00	17.768		
16,700.00	7,147.66	13,002.01	6,973.00	280.03	170.70	-86.74	-2,434.22	-4,596.01	4,786.97	4,524.74	262.24	18.254		
16,800.00	7,147.86	13,002.01	6,973.00	282.84	170.70	-86.74	-2,434.22	-4,596.01	4,866.29	4,606.76	259.53	18.750		
16,900.00	7,148.05	13,002.01	6,973.00	285.66	170.70	-86.74	-2,434.22	-4,596.01	4,946.35	4,689.46	256.89	19.255		
17,000.00	7,148.25	13,002.01	6,973.00	288.48	170.70	-86.74	-2,434.22	-4,596.01	5,027.12	4,772.83	254.30	19.769		
17,100.00	7,148.45	13,002.01	6,973.00	291.29	170.70	-86.74	-2,434.22	-4,596.01	5,108.58	4,856.81	251.77	20.291		
17,200.00	7,148.64	13,002.01	6,973.00	294.11	170.70	-86.74	-2,434.22	-4,596.01	5,190.68	4,941.38	249.30	20.821		
17,300.00	7,148.84	13,002.01	6,973.00	296.93	170.70	-86.74	-2,434.22	-4,596.01	5,273.41	5,026.51	246.90	21.359		
17,400.00	7,149.04	13,002.01	6,973.00	299.75	170.70	-86.74	-2,434.22	-4,596.01	5,356.72	5,112.17	244.55	21.905		
17,500.00	7,149.23	13,002.01	6,973.00	302.57	170.70	-86.74	-2,434.22	-4,596.01	5,440.59	5,198.34	242.25	22.458		
17,600.00	7,149.43	13,002.01	6,973.00	305.39	170.70	-86.74	-2,434.22	-4,596.01	5,525.00	5,284.99	240.02	23.019		
17,700.00	7,149.63	13,002.01	6,973.00	308.21	170.70	-86.74	-2,434.22	-4,596.01	5,609.93	5,372.09	237.83	23.587		
17,800.00	7,149.82	13,002.01	6,973.00	311.03	170.70	-86.74	-2,434.22	-4,596.01	5,695.34	5,459.63	235.71	24.163		
17,900.00	7,150.02	13,002.01	6,973.00	313.85	170.70	-86.74	-2,434.22	-4,596.01	5,781.22	5,547.58	233.64	24.744		
18,000.00	7,150.22	13,002.01	6,973.00	316.67	170.70	-86.74	-2,434.22	-4,596.01	5,867.55	5,635.93	231.62	25.333		
18,100.00	7,150.41	13,002.01	6,973.00	319.49	170.70	-86.74	-2,434.22	-4,596.01	5,954.31	5,724.66	229.65	25.928		
18,200.00	7,150.61	13,002.01	6,973.00	322.32	170.70	-86.74	-2,434.22	-4,596.01	6,041.47	5,813.74	227.73	26.529		
18,300.00	7,150.81	13,002.01	6,973.00	325.14	170.70	-86.74	-2,434.22	-4,596.01	6,129.03	5,903.16	225.86	27.136		
18,400.00	7,151.00	13,002.01	6,973.00	327.96	170.70	-86.74	-2,434.22	-4,596.01	6,216.96	5,992.92	224.04	27.749		
18,500.00	7,151.20	13,002.01	6,973.00	330.78	170.70	-86.74	-2,434.22	-4,596.01	6,305.25	6,082.98	222.27	28.368		
18,600.00	7,151.40	13,002.01	6,973.00	333.61	170.70	-86.74	-2,434.22	-4,596.01	6,393.89	6,173.35	220.54	28.992		
18,700.00	7,151.59	13,002.01	6,973.00	336.43	170.70	-86.74	-2,434.22	-4,596.01	6,482.86	6,264.00	218.86	29.621		
18,800.00	7,151.79	13,002.01	6,973.00	339.26	170.70	-86.74	-2,434.22	-4,596.01	6,572.14	6,354.92	217.22	30.256		
18,906.26	7,152.00	13,002.01	6,973.00	342.26	170.70	-86.74	-2,434.22	-4,596.01	6,667.35	6,451.83	215.52	30.936		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-179.51	-194.90	-1.67	194.91					
100.00	100.00	100.00	100.00	3.28	3.28	-179.51	-194.90	-1.67	194.91	188.34	6.57	29.669		
200.00	200.00	200.00	200.00	3.34	3.34	-179.51	-194.90	-1.67	194.91	188.23	6.67	29.204	CC, ES	
300.00	299.98	294.34	294.32	3.44	3.43	100.71	-196.27	-0.93	196.67	189.79	6.88	28.570		
400.00	399.84	388.46	388.32	3.60	3.57	101.34	-200.35	1.27	201.97	194.78	7.20	28.062		
500.00	499.45	482.15	481.69	3.81	3.76	102.31	-207.12	4.92	210.86	203.26	7.60	27.728		
600.00	598.70	575.20	574.13	4.06	3.97	103.52	-216.50	9.97	223.38	215.29	8.09	27.612		
700.00	697.47	667.41	665.34	4.34	4.22	104.86	-228.39	16.38	239.59	230.95	8.64	27.727		
785.50	781.43	745.44	742.15	4.61	4.46	106.04	-240.47	22.89	256.40	247.24	9.16	28.003		
800.00	795.63	758.60	755.06	4.66	4.50	106.29	-242.69	24.09	259.51	250.26	9.25	28.063		
900.00	893.55	848.87	843.33	5.02	4.82	107.67	-259.31	33.04	282.47	272.58	9.89	28.557		
1,000.00	991.47	938.22	930.08	5.40	5.16	108.50	-278.17	43.20	307.96	297.39	10.57	29.130		
1,100.00	1,089.39	1,026.50	1,015.08	5.80	5.52	108.90	-299.13	54.50	335.83	324.55	11.28	29.777		
1,200.00	1,187.31	1,113.56	1,098.15	6.21	5.91	108.96	-322.05	66.85	365.99	353.98	12.00	30.490		
1,300.00	1,285.22	1,199.27	1,179.13	6.64	6.32	108.76	-346.77	80.17	398.37	385.63	12.74	31.266		
1,400.00	1,383.14	1,283.51	1,257.86	7.08	6.76	108.38	-373.13	94.38	432.94	419.45	13.49	32.096		
1,500.00	1,481.06	1,366.17	1,334.23	7.52	7.21	107.85	-400.98	109.39	469.67	455.43	14.24	32.983		
1,600.00	1,578.98	1,453.15	1,413.73	7.98	7.72	107.21	-432.03	126.12	508.26	493.22	15.04	33.795		
1,700.00	1,676.90	1,545.14	1,497.71	8.44	8.27	106.60	-465.09	143.94	547.14	531.24	15.90	34.405		
1,800.00	1,774.82	1,637.13	1,581.68	8.90	8.84	106.08	-498.16	161.76	586.07	569.28	16.78	34.917		
1,900.00	1,872.74	1,729.12	1,665.65	9.37	9.42	105.62	-531.22	179.57	625.03	607.35	17.68	35.352		
2,000.00	1,970.66	1,821.11	1,749.62	9.84	10.01	105.22	-564.29	197.39	664.02	645.43	18.59	35.721		
2,100.00	2,068.57	1,913.10	1,833.60	10.32	10.61	104.86	-597.35	215.21	703.03	683.53	19.51	36.038		
2,200.00	2,166.49	2,005.09	1,917.57	10.80	11.21	104.53	-630.41	233.03	742.07	721.63	20.44	36.310		
2,300.00	2,264.41	2,102.92	2,001.54	11.28	11.86	104.24	-663.48	250.85	781.13	759.72	21.41	36.490		
2,400.00	2,362.33	2,189.07	2,085.51	11.76	12.44	103.98	-696.54	268.66	820.20	797.88	22.32	36.750		
2,500.00	2,460.25	2,281.06	2,169.49	12.24	13.06	103.74	-729.60	286.48	859.28	836.01	23.27	36.929		
2,600.00	2,558.17	2,373.05	2,253.46	12.73	13.68	103.53	-762.67	304.30	898.38	874.15	24.22	37.086		
2,700.00	2,656.09	2,465.04	2,337.43	13.22	14.31	103.33	-795.73	322.12	937.48	912.30	25.19	37.224		
2,800.00	2,754.01	2,557.03	2,421.40	13.71	14.94	103.14	-828.80	339.93	976.59	950.44	26.15	37.346		
2,900.00	2,851.92	2,649.01	2,505.38	14.20	15.57	102.97	-861.86	357.75	1,015.72	988.60	27.12	37.454		
3,000.00	2,949.84	2,741.00	2,589.35	14.69	16.20	102.82	-894.92	375.57	1,054.85	1,026.75	28.09	37.550		
3,100.00	3,047.76	2,832.99	2,673.32	15.18	16.84	102.67	-927.99	393.39	1,093.98	1,064.91	29.07	37.636		
3,200.00	3,145.68	2,924.98	2,757.30	15.67	17.47	102.53	-961.05	411.21	1,133.12	1,103.08	30.05	37.713		
3,300.00	3,243.60	3,016.97	2,841.27	16.17	18.11	102.41	-994.12	429.02	1,172.27	1,141.24	31.03	37.783		
3,400.00	3,341.52	3,108.96	2,925.24	16.66	18.75	102.29	-1,027.18	446.84	1,211.42	1,179.41	32.01	37.845		
3,500.00	3,439.44	3,200.95	3,009.21	17.16	19.40	102.18	-1,060.24	464.66	1,250.57	1,217.58	33.00	37.901		
3,600.00	3,537.36	3,307.06	3,093.19	17.65	20.14	102.07	-1,093.31	482.48	1,289.73	1,255.66	34.07	37.860		
3,700.00	3,635.27	3,384.93	3,177.16	18.15	20.68	101.97	-1,126.37	500.30	1,328.89	1,293.92	34.97	37.998		
3,800.00	3,733.19	3,476.92	3,261.13	18.65	21.33	101.88	-1,159.44	518.11	1,368.06	1,332.09	35.96	38.040		
3,900.00	3,831.11	3,568.91	3,345.10	19.14	21.97	101.79	-1,192.50	535.93	1,407.22	1,370.27	36.96	38.079		
4,000.00	3,929.03	3,660.90	3,429.08	19.64	22.62	101.71	-1,225.56	553.75	1,446.39	1,408.44	37.95	38.114		
4,100.00	4,026.95	3,752.89	3,513.05	20.14	23.26	101.63	-1,258.63	571.57	1,485.57	1,446.62	38.94	38.146		
4,200.00	4,124.87	3,844.88	3,597.02	20.64	23.91	101.56	-1,291.69	589.39	1,524.74	1,484.80	39.94	38.175		
4,300.00	4,222.79	3,936.87	3,680.99	21.14	24.56	101.49	-1,324.75	607.20	1,563.92	1,522.98	40.94	38.202		
4,400.00	4,320.71	4,028.86	3,764.97	21.64	25.21	101.42	-1,357.82	625.02	1,603.10	1,561.16	41.94	38.226		
4,500.00	4,418.62	4,120.85	3,848.94	22.14	25.86	101.36	-1,390.88	642.84	1,642.28	1,599.34	42.94	38.249		
4,600.00	4,516.54	4,212.84	3,932.91	22.64	26.51	101.30	-1,423.95	660.66	1,681.46	1,637.52	43.94	38.270		
4,700.00	4,614.46	4,304.83	4,016.89	23.14	27.16	101.24	-1,457.01	678.48	1,720.64	1,675.71	44.94	38.289		
4,800.00	4,712.38	4,403.18	4,100.86	23.64	27.85	101.18	-1,490.07	696.29	1,759.83	1,713.85	45.98	38.275		
4,900.00	4,810.30	4,488.81	4,184.83	24.14	28.46	101.13	-1,523.14	714.11	1,799.02	1,752.07	46.94	38.323		
5,000.00	4,908.22	4,580.80	4,268.80	24.64	29.11	101.08	-1,556.20	731.93	1,838.20	1,790.26	47.95	38.338		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,672.79	4,352.78	25.14	29.76	101.03	-1,589.27	749.75	1,877.39	1,828.44	48.95	38.352		
5,200.00	5,104.06	4,764.78	4,436.75	25.64	30.41	100.98	-1,622.33	767.57	1,916.58	1,866.63	49.96	38.365		
5,300.00	5,201.97	4,856.77	4,520.72	26.14	31.06	100.94	-1,655.39	785.38	1,955.77	1,904.81	50.96	38.377		
5,400.00	5,299.89	4,948.76	4,604.69	26.64	31.72	100.90	-1,688.46	803.20	1,994.97	1,943.00	51.97	38.388		
5,500.00	5,397.81	5,040.75	4,688.67	27.15	32.37	100.85	-1,721.52	821.02	2,034.16	1,981.18	52.98	38.398		
5,600.00	5,495.73	5,132.74	4,772.64	27.65	33.02	100.81	-1,754.58	838.84	2,073.35	2,019.37	53.98	38.408		
5,700.00	5,593.65	5,224.73	4,856.61	28.15	33.67	100.78	-1,787.65	856.66	2,112.55	2,057.56	54.99	38.417		
5,800.00	5,691.57	5,316.72	4,940.58	28.65	34.33	100.74	-1,820.71	874.47	2,151.74	2,095.74	56.00	38.425		
5,900.00	5,789.49	5,408.71	5,024.56	29.15	34.98	100.70	-1,853.78	892.29	2,190.94	2,133.93	57.01	38.432		
6,000.00	5,887.41	5,500.70	5,108.53	29.66	35.63	100.67	-1,886.84	910.11	2,230.14	2,172.12	58.02	38.439		
6,100.00	5,985.32	5,607.32	5,192.50	30.16	36.39	100.63	-1,919.90	927.93	2,269.33	2,210.22	59.11	38.389		
6,200.00	6,083.24	5,684.67	5,276.47	30.66	36.94	100.60	-1,952.97	945.75	2,308.53	2,248.50	60.04	38.452		
6,300.00	6,181.16	5,776.66	5,360.45	31.16	37.60	100.57	-1,986.03	963.56	2,347.73	2,286.68	61.05	38.457		
6,400.00	6,279.08	5,868.65	5,444.42	31.67	38.25	100.54	-2,019.10	981.38	2,386.93	2,324.87	62.06	38.462		
6,490.03	6,367.24	5,951.48	5,520.02	32.12	38.84	100.52	-2,048.86	997.42	2,422.22	2,359.25	62.97	38.467		
6,500.00	6,377.01	5,960.64	5,528.39	32.17	38.90	101.82	-2,052.16	999.20	2,426.13	2,363.06	63.07	38.467		
6,550.00	6,426.43	6,006.51	5,570.26	32.40	39.23	112.07	-2,068.64	1,008.08	2,445.74	2,382.19	63.55	38.485		
6,600.00	6,476.27	6,051.96	5,611.75	32.61	39.55	148.46	-2,084.98	1,016.89	2,465.28	2,401.28	63.99	38.524		
6,650.00	6,526.21	6,103.28	5,652.61	32.80	39.92	-123.68	-2,101.07	1,025.56	2,484.66	2,420.21	64.44	38.557		
6,700.00	6,575.96	6,140.51	5,692.59	32.98	40.18	-101.12	-2,116.81	1,034.04	2,503.81	2,439.02	64.79	38.647		
6,750.00	6,625.19	6,183.07	5,731.43	33.16	40.49	-93.43	-2,132.11	1,042.28	2,522.68	2,457.52	65.16	38.717		
6,800.00	6,673.62	6,224.13	5,768.91	33.35	40.78	-89.20	-2,146.86	1,050.23	2,541.23	2,475.71	65.51	38.790		
6,850.00	6,720.94	6,263.43	5,804.79	33.55	41.06	-86.30	-2,160.99	1,057.85	2,559.43	2,493.57	65.86	38.863		
6,900.00	6,766.86	6,300.74	5,838.85	33.76	41.32	-84.07	-2,174.40	1,065.07	2,577.26	2,511.06	66.19	38.934		
6,950.00	6,811.10	6,335.83	5,870.88	33.98	41.57	-82.24	-2,187.01	1,071.87	2,594.71	2,528.18	66.52	39.004		
7,000.00	6,853.38	6,368.47	5,900.68	34.23	41.81	-80.65	-2,198.74	1,078.19	2,611.78	2,544.93	66.85	39.070		
7,050.00	6,893.45	6,401.53	5,928.06	34.50	42.04	-79.24	-2,209.53	1,084.00	2,628.46	2,561.27	67.19	39.120		
7,100.00	6,931.05	6,425.64	5,952.87	34.79	42.21	-77.93	-2,219.29	1,089.27	2,644.76	2,577.26	67.50	39.183		
7,150.00	6,965.96	6,449.82	5,974.94	35.12	42.39	-76.71	-2,227.98	1,093.95	2,660.66	2,592.83	67.83	39.227		
7,200.00	6,997.96	6,470.86	5,994.14	35.47	42.54	-75.53	-2,235.55	1,098.02	2,676.17	2,608.00	68.16	39.261		
7,250.00	7,026.85	6,488.62	6,010.35	35.86	42.66	-74.39	-2,241.93	1,101.46	2,691.26	2,622.75	68.51	39.282		
7,300.00	7,052.45	6,502.99	6,023.48	36.29	42.76	-73.26	-2,247.10	1,104.25	2,705.93	2,637.05	68.87	39.290		
7,350.00	7,074.61	6,513.90	6,033.43	36.76	42.84	-72.14	-2,251.02	1,106.36	2,720.13	2,650.89	69.24	39.283		
7,400.00	7,093.19	6,521.26	6,040.15	37.27	42.89	-71.02	-2,253.66	1,107.79	2,733.84	2,664.21	69.63	39.262		
7,450.00	7,108.07	6,525.04	6,043.60	37.81	42.92	-69.91	-2,255.02	1,108.52	2,747.00	2,676.97	70.03	39.227		
7,500.00	7,119.17	6,525.22	6,043.76	38.39	42.92	-68.79	-2,255.08	1,108.55	2,759.56	2,689.12	70.43	39.179		
7,550.00	7,126.41	6,521.78	6,040.63	38.99	42.90	-67.69	-2,253.85	1,107.89	2,771.45	2,700.60	70.85	39.120		
7,600.00	7,129.75	6,514.76	6,034.21	39.62	42.85	-66.60	-2,251.32	1,106.53	2,782.59	2,711.33	71.25	39.051		
7,616.41	7,130.00	6,511.68	6,031.40	39.83	42.83	-66.25	-2,250.22	1,105.93	2,786.06	2,714.68	71.39	39.028		
7,700.00	7,130.16	6,504.99	6,016.19	40.97	42.78	-65.90	-2,244.23	1,102.70	2,804.69	2,732.52	72.17	38.864		
7,800.00	7,130.35	6,475.08	5,998.00	42.46	42.57	-65.49	-2,237.06	1,098.84	2,829.93	2,756.85	73.07	38.727		
7,900.00	7,130.55	6,455.15	5,979.80	44.09	42.42	-65.08	-2,229.90	1,094.98	2,858.30	2,784.18	74.12	38.561		
8,000.00	7,130.74	6,435.22	5,961.61	45.84	42.28	-64.67	-2,222.74	1,091.12	2,889.72	2,814.49	75.24	38.409		
8,100.00	7,130.94	6,415.29	5,943.41	47.70	42.14	-64.26	-2,215.57	1,087.26	2,924.09	2,847.70	76.39	38.279		
8,200.00	7,131.13	6,395.36	5,925.21	49.65	41.99	-63.85	-2,208.40	1,083.39	2,958.40	2,881.01	77.54	38.149		
8,300.00	7,131.32	6,375.43	5,906.99	51.70	41.83	-63.44	-2,201.23	1,079.52	2,992.71	2,914.32	78.69	38.019		
8,400.00	7,131.52	6,355.50	5,888.77	53.81	41.67	-63.03	-2,194.06	1,075.65	3,027.02	2,947.63	79.84	37.889		
8,500.00	7,131.71	6,335.57	5,870.55	55.99	41.51	-62.62	-2,186.89	1,071.78	3,061.33	2,981.94	80.99	37.759		
8,600.00	7,131.90	6,315.64	5,852.33	58.24	41.35	-62.21	-2,179.72	1,067.91	3,095.64	3,016.25	82.14	37.629		
8,700.00	7,132.10	6,295.71	5,834.11	60.53	41.19	-61.80	-2,172.55	1,064.04	3,130.00	3,050.56	83.29	37.499		
8,800.00	7,132.29	6,275.78	5,815.89	62.87	41.03	-61.39	-2,165.38	1,060.17	3,164.31	3,084.87	84.44	37.369		
8,900.00	7,132.49	6,255.85	5,797.67	65.25	40.87	-60.98	-2,158.21	1,056.30	3,198.62	3,119.18	85.59	37.239		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	9,428.44	7,131.23	67.68	71.02	-89.97	-2,670.48	-814.38	2,953.98	2,816.25	137.74	21.447		
9,100.00	7,132.87	9,528.42	7,132.04	70.13	73.31	-89.99	-2,670.20	-914.36	2,955.78	2,813.22	142.56	20.734		
9,200.00	7,133.07	9,628.41	7,132.86	72.61	75.64	-90.00	-2,669.93	-1,014.34	2,957.57	2,810.12	147.45	20.058		
9,300.00	7,133.26	9,728.39	7,133.67	75.13	78.01	-90.01	-2,669.65	-1,114.32	2,959.36	2,806.97	152.40	19.419		
9,400.00	7,133.46	9,828.37	7,134.49	77.66	80.41	-90.02	-2,669.38	-1,214.30	2,961.16	2,803.76	157.39	18.814		
9,500.00	7,133.65	9,928.35	7,135.30	80.22	82.85	-90.03	-2,669.10	-1,314.28	2,962.95	2,800.51	162.44	18.240		
9,600.00	7,133.84	10,028.33	7,136.11	82.80	85.32	-90.05	-2,668.83	-1,414.25	2,964.75	2,797.21	167.53	17.697		
9,700.00	7,134.04	10,128.32	7,136.93	85.40	87.82	-90.06	-2,668.55	-1,514.23	2,966.54	2,793.88	172.66	17.181		
9,800.00	7,134.23	10,228.30	7,137.74	88.01	90.34	-90.07	-2,668.28	-1,614.21	2,968.33	2,790.51	177.83	16.692		
9,900.00	7,134.43	10,328.28	7,138.55	90.64	92.88	-90.08	-2,668.00	-1,714.19	2,970.13	2,787.10	183.03	16.228		
10,000.00	7,134.62	10,428.26	7,139.37	93.28	95.44	-90.09	-2,667.73	-1,814.17	2,971.92	2,783.66	188.26	15.786		
10,100.00	7,134.81	10,528.24	7,140.18	95.94	98.02	-90.11	-2,667.46	-1,914.15	2,973.72	2,780.20	193.52	15.367		
10,200.00	7,135.01	10,628.23	7,140.99	98.61	100.61	-90.12	-2,667.18	-2,014.12	2,975.51	2,776.71	198.80	14.967		
10,300.00	7,135.20	10,728.21	7,141.81	101.28	103.22	-90.13	-2,666.91	-2,114.10	2,977.31	2,773.20	204.11	14.587		
10,400.00	7,135.39	10,828.19	7,142.62	103.97	105.85	-90.14	-2,666.63	-2,214.08	2,979.10	2,769.66	209.44	14.224		
10,500.00	7,135.59	10,928.17	7,143.43	106.67	108.48	-90.15	-2,666.36	-2,314.06	2,980.90	2,766.11	214.79	13.878		
10,600.00	7,135.78	11,028.15	7,144.25	109.38	111.13	-90.16	-2,666.08	-2,414.04	2,982.69	2,762.54	220.16	13.548		
10,700.00	7,135.98	11,128.14	7,145.06	112.09	113.79	-90.18	-2,665.81	-2,514.02	2,984.49	2,758.95	225.54	13.232		
10,800.00	7,136.17	11,228.12	7,145.87	114.81	116.46	-90.19	-2,665.53	-2,613.99	2,986.29	2,755.34	230.95	12.931		
10,900.00	7,136.36	11,328.10	7,146.69	117.54	119.14	-90.20	-2,665.26	-2,713.97	2,988.08	2,751.72	236.36	12.642		
11,000.00	7,136.56	11,428.08	7,147.50	120.28	121.83	-90.21	-2,664.98	-2,813.95	2,989.88	2,748.08	241.80	12.365		
11,100.00	7,136.75	11,528.06	7,148.32	123.02	124.52	-90.22	-2,664.71	-2,913.93	2,991.67	2,744.43	247.24	12.100		
11,200.00	7,136.95	11,628.05	7,149.13	125.76	127.22	-90.24	-2,664.43	-3,013.91	2,993.47	2,740.77	252.70	11.846		
11,300.00	7,137.14	11,728.03	7,149.94	128.52	129.93	-90.25	-2,664.16	-3,113.89	2,995.27	2,737.10	258.17	11.602		
11,400.00	7,137.33	11,828.01	7,150.76	131.27	132.65	-90.26	-2,663.89	-3,213.86	2,997.06	2,733.41	263.65	11.368		
11,500.00	7,137.53	11,927.99	7,151.57	134.03	135.37	-90.27	-2,663.61	-3,313.84	2,998.86	2,729.72	269.14	11.143		
11,600.00	7,137.72	12,027.97	7,152.38	136.80	138.10	-90.28	-2,663.34	-3,413.82	3,000.65	2,726.02	274.64	10.926		
11,700.00	7,137.92	12,127.96	7,153.20	139.57	140.83	-90.29	-2,663.06	-3,513.80	3,002.45	2,722.31	280.14	10.718		
11,800.00	7,138.11	12,227.94	7,154.01	142.34	143.57	-90.31	-2,662.79	-3,613.78	3,004.25	2,718.59	285.66	10.517		
11,900.00	7,138.30	12,327.92	7,154.82	145.12	146.32	-90.32	-2,662.51	-3,713.76	3,006.05	2,714.86	291.19	10.323		
12,000.00	7,138.50	12,427.90	7,155.64	147.90	149.06	-90.33	-2,662.24	-3,813.73	3,007.84	2,711.12	296.72	10.137		
12,100.00	7,138.69	12,527.88	7,156.45	150.68	151.82	-90.34	-2,661.96	-3,913.71	3,009.64	2,707.38	302.26	9.957		
12,200.00	7,138.88	12,627.87	7,157.26	153.47	154.57	-90.35	-2,661.69	-4,013.69	3,011.44	2,703.63	307.80	9.784		
12,300.00	7,139.08	12,727.85	7,158.08	156.26	157.33	-90.36	-2,661.41	-4,113.67	3,013.23	2,699.88	313.36	9.616		
12,400.00	7,139.27	12,827.83	7,158.89	159.05	160.10	-90.37	-2,661.14	-4,213.65	3,015.03	2,696.12	318.92	9.454		
12,500.00	7,139.47	12,927.81	7,159.70	161.85	162.86	-90.39	-2,660.86	-4,313.63	3,016.83	2,692.35	324.48	9.297		
12,600.00	7,139.66	13,027.79	7,160.52	164.64	165.64	-90.40	-2,660.59	-4,413.60	3,018.63	2,688.58	330.05	9.146		
12,700.00	7,139.85	13,127.78	7,161.33	167.44	168.41	-90.41	-2,660.32	-4,513.58	3,020.43	2,684.80	335.63	8.999		
12,800.00	7,140.05	13,210.89	7,162.01	170.24	170.72	-90.42	-2,660.09	-4,596.69	3,022.27	2,681.59	340.68	8.871		
12,900.00	7,140.24	13,210.89	7,162.01	173.05	170.72	-90.42	-2,660.09	-4,596.69	3,026.28	2,683.35	342.93	8.825		
13,000.00	7,140.44	13,210.89	7,162.01	175.85	170.72	-90.42	-2,660.09	-4,596.69	3,033.58	2,688.75	344.83	8.797		
13,100.00	7,140.63	13,210.89	7,162.01	178.66	170.72	-90.42	-2,660.09	-4,596.69	3,044.15	2,697.78	346.37	8.789 SF		
13,200.00	7,140.82	13,210.89	7,162.01	181.47	170.72	-90.42	-2,660.09	-4,596.69	3,057.96	2,710.41	347.55	8.799		
13,300.00	7,141.02	13,210.89	7,162.01	184.28	170.72	-90.42	-2,660.09	-4,596.69	3,074.95	2,726.58	348.37	8.827		
13,400.00	7,141.21	13,210.89	7,162.01	187.10	170.72	-90.42	-2,660.09	-4,596.69	3,095.09	2,746.23	348.86	8.872		
13,500.00	7,141.41	13,210.89	7,162.01	189.91	170.72	-90.42	-2,660.09	-4,596.69	3,118.30	2,769.29	349.01	8.935		
13,600.00	7,141.60	13,210.89	7,162.01	192.73	170.72	-90.42	-2,660.09	-4,596.69	3,144.53	2,795.68	348.85	9.014		
13,700.00	7,141.79	13,210.89	7,162.01	195.54	170.72	-90.42	-2,660.09	-4,596.69	3,173.69	2,825.31	348.38	9.110		
13,800.00	7,141.99	13,210.89	7,162.01	198.36	170.72	-90.42	-2,660.09	-4,596.69	3,205.71	2,858.07	347.63	9.221		
13,900.00	7,142.18	13,210.89	7,162.01	201.18	170.72	-90.42	-2,660.09	-4,596.69	3,240.49	2,893.87	346.62	9.349		
14,000.00	7,142.37	13,210.89	7,162.01	204.01	170.72	-90.42	-2,660.09	-4,596.69	3,277.96	2,932.59	345.37	9.491		
14,100.00	7,142.57	13,210.89	7,162.01	206.83	170.72	-90.42	-2,660.09	-4,596.69	3,318.02	2,974.13	343.89	9.648		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	13,210.89	7,162.01	209.65	170.72	-90.42	-2,660.09	-4,596.69	3,360.58	3,018.37	342.22	9.820		
14,300.00	7,142.96	13,210.89	7,162.01	212.48	170.72	-90.42	-2,660.09	-4,596.69	3,405.55	3,065.19	340.36	10.006		
14,400.00	7,143.15	13,210.89	7,162.01	215.30	170.72	-90.42	-2,660.09	-4,596.69	3,452.83	3,114.49	338.34	10.205		
14,500.00	7,143.34	13,210.89	7,162.01	218.13	170.72	-90.42	-2,660.09	-4,596.69	3,502.32	3,166.15	336.17	10.418		
14,600.00	7,143.54	13,210.89	7,162.01	220.96	170.72	-90.42	-2,660.09	-4,596.69	3,553.94	3,220.06	333.88	10.644		
14,700.00	7,143.73	13,210.89	7,162.01	223.79	170.72	-90.42	-2,660.09	-4,596.69	3,607.59	3,276.10	331.49	10.883		
14,800.00	7,143.93	13,210.89	7,162.01	226.62	170.72	-90.42	-2,660.09	-4,596.69	3,663.19	3,334.18	329.01	11.134		
14,838.32	7,144.00	13,210.89	7,162.01	227.70	170.72	-90.42	-2,660.09	-4,596.69	3,684.99	3,356.96	328.04	11.233		
14,900.00	7,144.12	13,210.89	7,162.01	229.45	170.72	-90.41	-2,660.09	-4,596.69	3,720.11	3,393.67	326.44	11.396		
15,000.00	7,144.32	13,210.89	7,162.01	232.26	170.72	-90.40	-2,660.09	-4,596.69	3,776.18	3,452.44	323.73	11.664		
15,027.81	7,144.37	13,210.89	7,162.01	233.04	170.72	-90.39	-2,660.09	-4,596.69	3,791.58	3,468.63	322.96	11.740		
15,100.00	7,144.51	13,210.89	7,162.01	235.07	170.72	-90.39	-2,660.09	-4,596.69	3,831.94	3,511.02	320.91	11.941		
15,200.00	7,144.71	13,210.89	7,162.01	237.87	170.72	-90.39	-2,660.09	-4,596.69	3,889.35	3,571.31	318.04	12.229		
15,300.00	7,144.91	13,210.89	7,162.01	240.68	170.72	-90.39	-2,660.09	-4,596.69	3,948.47	3,633.34	315.13	12.529		
15,400.00	7,145.10	13,210.89	7,162.01	243.48	170.72	-90.39	-2,660.09	-4,596.69	4,009.21	3,697.01	312.20	12.842		
15,500.00	7,145.30	13,210.89	7,162.01	246.29	170.72	-90.39	-2,660.09	-4,596.69	4,071.50	3,762.25	309.25	13.166		
15,600.00	7,145.50	13,210.89	7,162.01	249.10	170.72	-90.39	-2,660.09	-4,596.69	4,135.27	3,828.98	306.30	13.501		
15,700.00	7,145.69	13,210.89	7,162.01	251.91	170.72	-90.39	-2,660.09	-4,596.69	4,200.46	3,897.12	303.34	13.847		
15,800.00	7,145.89	13,210.89	7,162.01	254.71	170.72	-90.39	-2,660.09	-4,596.69	4,266.99	3,966.59	300.40	14.205		
15,900.00	7,146.09	13,210.89	7,162.01	257.52	170.72	-90.39	-2,660.09	-4,596.69	4,334.81	4,037.34	297.47	14.572		
16,000.00	7,146.28	13,210.89	7,162.01	260.34	170.72	-90.39	-2,660.09	-4,596.69	4,403.85	4,109.29	294.56	14.951		
16,100.00	7,146.48	13,210.89	7,162.01	263.15	170.72	-90.39	-2,660.09	-4,596.69	4,474.06	4,182.39	291.68	15.339		
16,200.00	7,146.68	13,210.89	7,162.01	265.96	170.72	-90.39	-2,660.09	-4,596.69	4,545.39	4,256.57	288.83	15.737		
16,300.00	7,146.87	13,210.89	7,162.01	268.77	170.72	-90.39	-2,660.09	-4,596.69	4,617.79	4,331.77	286.01	16.145		
16,400.00	7,147.07	13,210.89	7,162.01	271.58	170.72	-90.39	-2,660.09	-4,596.69	4,691.20	4,407.96	283.24	16.563		
16,500.00	7,147.27	13,210.89	7,162.01	274.40	170.72	-90.39	-2,660.09	-4,596.69	4,765.57	4,485.07	280.50	16.989		
16,600.00	7,147.46	13,210.89	7,162.01	277.21	170.72	-90.39	-2,660.09	-4,596.69	4,840.87	4,563.06	277.81	17.425		
16,700.00	7,147.66	13,210.89	7,162.01	280.03	170.72	-90.39	-2,660.09	-4,596.69	4,917.05	4,641.89	275.16	17.870		
16,800.00	7,147.86	13,210.89	7,162.01	282.84	170.72	-90.39	-2,660.09	-4,596.69	4,994.07	4,721.51	272.56	18.323		
16,900.00	7,148.05	13,210.89	7,162.01	285.66	170.72	-90.39	-2,660.09	-4,596.69	5,071.89	4,801.88	270.01	18.784		
17,000.00	7,148.25	13,210.89	7,162.01	288.48	170.72	-90.39	-2,660.09	-4,596.69	5,150.48	4,882.98	267.50	19.254		
17,100.00	7,148.45	13,210.89	7,162.01	291.29	170.72	-90.39	-2,660.09	-4,596.69	5,229.80	4,964.75	265.05	19.731		
17,200.00	7,148.64	13,210.89	7,162.01	294.11	170.72	-90.39	-2,660.09	-4,596.69	5,309.81	5,047.17	262.64	20.217		
17,300.00	7,148.84	13,210.89	7,162.01	296.93	170.72	-90.39	-2,660.09	-4,596.69	5,390.50	5,130.21	260.29	20.710		
17,400.00	7,149.04	13,210.89	7,162.01	299.75	170.72	-90.39	-2,660.09	-4,596.69	5,471.82	5,213.84	257.98	21.210		
17,500.00	7,149.23	13,210.89	7,162.01	302.57	170.72	-90.39	-2,660.09	-4,596.69	5,553.75	5,298.03	255.73	21.718		
17,600.00	7,149.43	13,210.89	7,162.01	305.39	170.72	-90.39	-2,660.09	-4,596.69	5,636.27	5,382.75	253.52	22.232		
17,700.00	7,149.63	13,210.89	7,162.01	308.21	170.72	-90.39	-2,660.09	-4,596.69	5,719.34	5,467.98	251.36	22.753		
17,800.00	7,149.82	13,210.89	7,162.01	311.03	170.72	-90.39	-2,660.09	-4,596.69	5,802.95	5,553.70	249.25	23.281		
17,900.00	7,150.02	13,210.89	7,162.01	313.85	170.72	-90.39	-2,660.09	-4,596.69	5,887.07	5,639.88	247.19	23.816		
18,000.00	7,150.22	13,210.89	7,162.01	316.67	170.72	-90.39	-2,660.09	-4,596.69	5,971.68	5,726.50	245.18	24.356		
18,100.00	7,150.41	13,210.89	7,162.01	319.49	170.72	-90.39	-2,660.09	-4,596.69	6,056.76	5,813.54	243.22	24.903		
18,200.00	7,150.61	13,210.89	7,162.01	322.32	170.72	-90.39	-2,660.09	-4,596.69	6,142.28	5,900.99	241.30	25.455		
18,300.00	7,150.81	13,210.89	7,162.01	325.14	170.72	-90.39	-2,660.09	-4,596.69	6,228.24	5,988.82	239.42	26.014		
18,400.00	7,151.00	13,210.89	7,162.01	327.96	170.72	-90.39	-2,660.09	-4,596.69	6,314.62	6,077.02	237.59	26.578		
18,500.00	7,151.20	13,210.89	7,162.01	330.78	170.72	-90.39	-2,660.09	-4,596.69	6,401.38	6,165.58	235.80	27.147		
18,600.00	7,151.40	13,210.89	7,162.01	333.61	170.72	-90.39	-2,660.09	-4,596.69	6,488.53	6,254.47	234.06	27.722		
18,700.00	7,151.59	13,210.89	7,162.01	336.43	170.72	-90.39	-2,660.09	-4,596.69	6,576.05	6,343.69	232.36	28.302		
18,800.00	7,151.79	13,210.89	7,162.01	339.26	170.72	-90.39	-2,660.09	-4,596.69	6,663.92	6,433.22	230.69	28.886		
18,906.26	7,152.00	13,210.89	7,162.01	342.26	170.72	-90.39	-2,660.09	-4,596.69	6,757.66	6,528.68	228.97	29.513		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	180.00	-14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	180.00	-14.93	0.00	14.93	8.36	6.57	2.273		
200.00	200.00	200.00	200.00	3.34	3.34	180.00	-14.93	0.00	14.93	8.26	6.67	2.237 CC		
300.00	299.98	299.99	299.97	3.44	3.44	99.90	-14.95	1.74	15.26	8.37	6.89	2.216		
400.00	399.84	399.98	399.82	3.60	3.60	99.60	-15.02	6.98	16.23	9.04	7.20	2.256		
500.00	499.45	499.95	499.40	3.81	3.80	99.19	-15.13	15.69	17.85	10.25	7.60	2.349		
600.00	598.70	599.91	598.61	4.06	4.05	98.72	-15.28	27.86	20.12	12.03	8.09	2.486		
700.00	697.47	699.84	697.30	4.34	4.34	98.24	-15.47	43.49	23.04	14.37	8.67	2.658		
785.50	781.43	785.25	781.19	4.61	4.61	97.85	-15.67	59.57	26.04	16.82	9.22	2.825		
800.00	795.63	799.73	795.36	4.66	4.66	97.72	-15.71	62.54	26.59	17.27	9.32	2.855		
900.00	893.55	900.39	892.78	5.02	5.02	94.05	-15.98	84.56	30.52	20.49	10.03	3.042		
1,000.00	991.47	1,000.49	990.12	5.40	5.42	90.52	-16.26	107.01	34.63	23.83	10.80	3.207		
1,100.00	1,089.39	1,100.60	1,087.46	5.80	5.83	87.75	-16.54	129.45	38.83	27.23	11.60	3.347		
1,200.00	1,187.31	1,200.70	1,184.80	6.21	6.26	85.52	-16.82	151.90	43.11	30.67	12.43	3.467		
1,300.00	1,285.22	1,300.81	1,282.15	6.64	6.70	83.70	-17.09	174.34	47.44	34.15	13.29	3.570		
1,400.00	1,383.14	1,399.09	1,379.49	7.08	7.15	82.18	-17.37	196.78	51.81	37.65	14.16	3.660		
1,500.00	1,481.06	1,501.01	1,476.83	7.52	7.62	80.90	-17.65	219.23	56.21	41.16	15.06	3.733		
1,600.00	1,578.98	1,601.12	1,574.17	7.98	8.10	79.81	-17.93	241.67	60.64	44.68	15.96	3.799		
1,700.00	1,676.90	1,701.22	1,671.51	8.44	8.58	78.86	-18.21	264.11	65.08	48.21	16.88	3.856		
1,800.00	1,774.82	1,801.33	1,768.85	8.90	9.06	78.04	-18.48	286.56	69.54	51.74	17.80	3.907		
1,900.00	1,872.74	1,901.43	1,866.20	9.37	9.55	77.31	-18.76	309.00	74.01	55.28	18.73	3.951		
2,000.00	1,970.66	2,001.53	1,963.54	9.84	10.04	76.67	-19.04	331.44	78.50	58.82	19.67	3.990		
2,100.00	2,068.57	2,101.64	2,060.88	10.32	10.54	76.10	-19.32	353.89	82.99	62.37	20.62	4.025		
2,200.00	2,166.49	2,201.74	2,158.22	10.80	11.04	75.59	-19.60	376.33	87.49	65.92	21.57	4.056		
2,300.00	2,264.41	2,301.85	2,255.56	11.28	11.54	75.12	-19.88	398.77	91.99	69.47	22.52	4.084		
2,400.00	2,362.33	2,401.95	2,352.90	11.76	12.04	74.70	-20.15	421.22	96.51	73.02	23.48	4.109		
2,500.00	2,460.25	2,502.06	2,450.25	12.24	12.55	74.32	-20.43	443.66	101.02	76.57	24.45	4.132		
2,600.00	2,558.17	2,597.84	2,547.59	12.73	13.03	73.97	-20.71	466.10	105.54	80.15	25.39	4.157		
2,700.00	2,656.09	2,702.26	2,644.93	13.22	13.56	73.65	-20.99	488.55	110.06	83.68	26.38	4.172		
2,800.00	2,754.01	2,802.37	2,742.27	13.71	14.07	73.36	-21.27	510.99	114.59	87.24	27.35	4.189		
2,900.00	2,851.92	2,897.53	2,839.61	14.20	14.56	73.08	-21.55	533.44	119.12	90.82	28.30	4.209		
3,000.00	2,949.84	3,002.58	2,936.95	14.69	15.10	72.83	-21.82	555.88	123.65	94.35	29.30	4.220		
3,100.00	3,047.76	3,102.68	3,034.29	15.18	15.61	72.59	-22.10	578.32	128.19	97.91	30.28	4.234		
3,200.00	3,145.68	3,202.79	3,131.64	15.67	16.13	72.38	-22.38	600.77	132.72	101.47	31.26	4.246		
3,300.00	3,243.60	3,302.89	3,228.98	16.17	16.64	72.17	-22.66	623.21	137.26	105.02	32.24	4.258		
3,400.00	3,341.52	3,402.99	3,326.32	16.66	17.16	71.98	-22.94	645.65	141.80	108.58	33.22	4.269		
3,500.00	3,439.44	3,503.10	3,423.66	17.16	17.68	71.80	-23.21	668.10	146.34	112.14	34.20	4.279		
3,600.00	3,537.36	3,603.20	3,521.00	17.65	18.19	71.63	-23.49	690.54	150.88	115.70	35.19	4.288		
3,700.00	3,635.27	3,703.31	3,618.34	18.15	18.71	71.47	-23.77	712.98	155.43	119.26	36.17	4.297		
3,800.00	3,733.19	3,803.41	3,715.69	18.65	19.23	71.32	-24.05	735.43	159.97	122.82	37.16	4.305		
3,900.00	3,831.11	3,903.51	3,813.03	19.14	19.75	71.18	-24.33	757.87	164.52	126.37	38.14	4.313		
4,000.00	3,929.03	4,003.62	3,910.37	19.64	20.27	71.05	-24.61	780.31	169.06	129.93	39.13	4.320		
4,100.00	4,026.95	4,103.72	4,007.71	20.14	20.79	70.92	-24.88	802.76	173.61	133.49	40.12	4.327		
4,200.00	4,124.87	4,203.83	4,105.05	20.64	21.31	70.80	-25.16	825.20	178.16	137.05	41.11	4.334		
4,300.00	4,222.79	4,303.93	4,202.39	21.14	21.83	70.68	-25.44	847.64	182.71	140.61	42.10	4.340		
4,400.00	4,320.71	4,395.96	4,299.74	21.64	22.31	70.58	-25.72	870.09	187.26	144.21	43.05	4.350		
4,500.00	4,418.62	4,504.14	4,397.08	22.14	22.87	70.47	-26.00	892.53	191.81	147.73	44.08	4.351		
4,600.00	4,516.54	4,604.24	4,494.42	22.64	23.39	70.37	-26.28	914.98	196.36	151.29	45.07	4.357		
4,700.00	4,614.46	4,695.65	4,591.76	23.14	23.87	70.28	-26.55	937.42	200.91	154.89	46.02	4.366		
4,800.00	4,712.38	4,804.45	4,689.10	23.64	24.44	70.19	-26.83	959.86	205.46	158.41	47.06	4.366		
4,900.00	4,810.30	4,895.44	4,786.44	24.14	24.91	70.10	-27.11	982.31	210.02	162.01	48.00	4.375		
5,000.00	4,908.22	5,004.66	4,883.79	24.64	25.48	70.02	-27.39	1,004.75	214.57	165.53	49.04	4.375		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,095.24	4,981.13	25.14	25.95	69.94	-27.67	1,027.19	219.12	169.14	49.99	4.383		
5,200.00	5,104.06	5,204.87	5,078.47	25.64	26.53	69.86	-27.94	1,049.64	223.68	172.65	51.03	4.383		
5,300.00	5,201.97	5,304.97	5,175.81	26.14	27.05	69.79	-28.22	1,072.08	228.23	176.21	52.03	4.387		
5,400.00	5,299.89	5,394.92	5,273.15	26.64	27.52	69.72	-28.50	1,094.52	232.79	179.82	52.97	4.395		
5,500.00	5,397.81	5,505.18	5,370.49	27.15	28.10	69.65	-28.78	1,116.97	237.34	183.33	54.02	4.394		
5,600.00	5,495.73	5,595.25	5,468.36	27.65	28.57	69.59	-29.06	1,139.51	241.88	186.92	54.96	4.401		
5,700.00	5,593.65	5,699.72	5,570.65	28.15	29.09	70.00	-29.32	1,160.67	245.29	189.27	56.02	4.379		
5,800.00	5,691.57	5,804.07	5,673.54	28.65	29.59	71.16	-29.54	1,178.08	246.90	189.83	57.07	4.326		
5,900.00	5,789.49	5,908.03	5,776.60	29.15	30.06	73.07	-29.71	1,191.69	246.90	188.76	58.14	4.247		
6,000.00	5,887.41	6,011.33	5,879.43	29.66	30.50	75.74	-29.83	1,201.50	245.62	186.40	59.21	4.148		
6,100.00	5,985.32	6,113.71	5,981.63	30.16	30.91	79.21	-29.90	1,207.55	243.51	183.20	60.30	4.038		
6,200.00	6,083.24	6,214.93	6,082.81	30.66	31.30	83.49	-29.93	1,209.95	241.19	179.79	61.40	3.928		
6,300.00	6,181.16	6,313.28	6,181.16	31.16	31.66	88.22	-29.93	1,210.00	239.71	177.22	62.49	3.836		
6,337.36	6,217.75	6,349.87	6,217.75	31.35	31.79	90.00	-29.93	1,210.00	239.59	176.71	62.88	3.810		
6,400.00	6,279.08	6,411.20	6,279.08	31.67	32.01	92.97	-29.93	1,210.00	239.93	176.42	63.51	3.778		
6,490.03	6,367.24	6,500.64	6,367.24	32.12	32.34	97.22	-29.93	1,210.00	241.59	177.20	64.39	3.752		
6,500.00	6,377.01	6,509.13	6,377.01	32.17	32.37	98.62	-29.93	1,210.00	241.86	177.39	64.47	3.751		
6,550.00	6,426.43	6,558.55	6,426.43	32.40	32.55	108.89	-29.93	1,210.00	243.53	178.62	64.91	3.752		
6,600.00	6,476.27	6,608.39	6,476.27	32.61	32.73	144.52	-29.93	1,210.00	245.46	180.16	65.30	3.759		
6,650.00	6,526.21	6,658.33	6,526.21	32.80	32.92	-129.19	-29.93	1,210.00	247.48	181.80	65.67	3.768		
6,700.00	6,575.96	6,708.08	6,575.96	32.98	33.10	-108.97	-29.93	1,210.00	249.59	183.56	66.03	3.780		
6,750.00	6,625.19	6,758.14	6,625.02	33.16	33.28	-104.29	-29.91	1,209.63	251.96	185.59	66.37	3.796		
6,800.00	6,673.62	6,809.68	6,677.39	33.35	33.46	-103.11	-29.72	1,205.80	254.50	187.80	66.70	3.815		
6,850.00	6,720.94	6,861.98	6,729.05	33.55	33.65	-103.13	-29.31	1,197.69	257.14	190.12	67.02	3.837		
6,900.00	6,766.86	6,915.07	6,780.62	33.76	33.85	-103.69	-28.67	1,185.15	259.84	192.51	67.32	3.860		
6,950.00	6,811.10	6,968.96	6,831.71	33.98	34.07	-104.52	-27.80	1,168.08	262.54	194.95	67.59	3.884		
7,000.00	6,853.38	7,023.65	6,881.89	34.23	34.31	-105.47	-26.70	1,146.41	265.21	197.38	67.82	3.910		
7,050.00	6,893.45	7,079.13	6,930.71	34.50	34.57	-106.48	-25.37	1,120.12	267.78	199.76	68.02	3.937		
7,100.00	6,931.05	7,135.39	6,977.67	34.79	34.86	-107.49	-23.80	1,089.23	270.21	202.01	68.20	3.962		
7,150.00	6,965.96	7,192.39	7,022.29	35.12	35.19	-108.47	-22.00	1,053.82	272.44	204.08	68.36	3.985		
7,200.00	6,997.96	7,250.11	7,064.06	35.47	35.56	-109.41	-19.99	1,014.07	274.42	205.88	68.55	4.004		
7,250.00	7,026.85	7,308.48	7,102.45	35.86	35.99	-110.28	-17.76	970.18	276.10	207.32	68.78	4.014		
7,300.00	7,052.45	7,367.44	7,136.99	36.29	36.47	-111.07	-15.34	922.48	277.43	208.33	69.10	4.015		
7,350.00	7,074.61	7,426.93	7,167.20	36.76	37.00	-111.77	-12.74	871.33	278.37	208.82	69.55	4.003		
7,400.00	7,093.19	7,486.84	7,192.67	37.27	37.60	-112.37	-9.99	817.20	278.88	208.73	70.15	3.975		
7,450.00	7,108.07	7,547.08	7,213.03	37.81	38.25	-112.87	-7.12	760.60	278.94	208.00	70.94	3.932		
7,500.00	7,119.17	7,607.54	7,227.98	38.39	38.96	-113.27	-4.15	702.11	278.52	206.58	71.93	3.872		
7,550.00	7,126.41	7,668.13	7,237.33	38.99	39.72	-113.55	-1.11	642.35	277.61	204.48	73.13	3.796		
7,600.00	7,129.75	7,728.71	7,240.95	39.62	40.50	-113.71	1.95	581.98	276.21	201.70	74.51	3.707		
7,616.41	7,130.00	7,746.29	7,241.02	39.83	40.73	-113.75	2.84	564.43	275.69	200.75	74.94	3.679		
7,700.00	7,130.16	7,829.84	7,241.16	40.97	41.92	-113.96	7.08	480.98	273.39	196.39	77.00	3.550		
7,800.00	7,130.35	7,929.80	7,241.32	42.46	43.45	-114.21	12.15	381.15	270.64	190.94	79.69	3.396		
7,900.00	7,130.55	8,029.75	7,241.49	44.09	45.11	-114.47	17.21	281.33	267.89	185.27	82.61	3.243		
8,000.00	7,130.74	8,129.71	7,241.66	45.84	46.90	-114.73	22.28	181.50	265.14	179.41	85.74	3.093		
8,100.00	7,130.94	8,229.66	7,241.82	47.70	48.78	-115.00	27.35	81.67	262.41	173.37	89.04	2.947		
8,200.00	7,131.13	8,329.62	7,241.99	49.65	50.76	-115.28	32.42	-18.15	259.68	167.19	92.49	2.808		
8,300.00	7,131.32	8,429.57	7,242.15	51.70	52.82	-115.56	37.49	-117.98	256.95	160.88	96.07	2.675		
8,400.00	7,131.52	8,529.53	7,242.32	53.81	54.96	-115.85	42.55	-217.81	254.23	154.47	99.77	2.548		
8,500.00	7,131.71	8,629.48	7,242.49	55.99	57.15	-116.14	47.62	-317.63	251.52	147.96	103.56	2.429		
8,600.00	7,131.90	8,729.44	7,242.65	58.24	59.41	-116.44	52.69	-417.46	248.82	141.38	107.44	2.316		
8,700.00	7,132.10	8,829.39	7,242.82	60.53	61.72	-116.74	57.76	-517.28	246.12	134.74	111.38	2.210		
8,800.00	7,132.29	8,929.35	7,242.99	62.87	64.07	-117.05	62.83	-617.11	243.43	128.05	115.37	2.110		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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
Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													
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
8,900.00	7,132.49	9,029.30	7,243.15	65.25	66.46	-117.37	67.89	-716.94	240.74	121.33	119.42	2.016	
9,000.00	7,132.68	9,129.26	7,243.32	67.68	68.89	-117.70	72.96	-816.76	238.07	114.58	123.49	1.928	
9,100.00	7,132.87	9,229.21	7,243.49	70.13	71.36	-118.03	78.03	-916.59	235.40	107.80	127.59	1.845	
9,200.00	7,133.07	9,329.17	7,243.65	72.61	73.85	-118.38	83.10	-1,016.42	232.74	101.02	131.72	1.767	
9,300.00	7,133.26	9,429.12	7,243.82	75.13	76.37	-118.73	88.16	-1,116.24	230.09	94.24	135.85	1.694	
9,400.00	7,133.46	9,529.08	7,243.98	77.66	78.91	-119.08	93.23	-1,216.07	227.45	87.46	139.98	1.625	
9,500.00	7,133.65	9,629.03	7,244.15	80.22	81.48	-119.45	98.30	-1,315.89	224.81	80.69	144.12	1.560	
9,600.00	7,133.84	9,728.99	7,244.32	82.80	84.06	-119.82	103.37	-1,415.72	222.19	73.94	148.24	1.499 Level 3	
9,700.00	7,134.04	9,828.94	7,244.48	85.40	86.67	-120.21	108.44	-1,515.55	219.57	67.22	152.35	1.441 Level 3	
9,800.00	7,134.23	9,928.90	7,244.65	88.01	89.29	-120.60	113.50	-1,615.37	216.97	60.52	156.45	1.387 Level 3	
9,900.00	7,134.43	10,028.85	7,244.82	90.64	91.92	-121.00	118.57	-1,715.20	214.37	53.86	160.51	1.336 Level 3	
10,000.00	7,134.62	10,128.80	7,244.98	93.28	94.57	-121.41	123.64	-1,815.02	211.79	47.24	164.55	1.287 Level 3	
10,100.00	7,134.81	10,228.76	7,245.15	95.94	97.23	-121.84	128.71	-1,914.85	209.22	40.66	168.56	1.241 Level 2	
10,200.00	7,135.01	10,328.71	7,245.32	98.61	99.91	-122.27	133.78	-2,014.68	206.66	34.14	172.52	1.198 Level 2	
10,300.00	7,135.20	10,428.67	7,245.48	101.28	102.59	-122.71	138.84	-2,114.50	204.11	27.67	176.44	1.157 Level 2	
10,400.00	7,135.39	10,528.62	7,245.65	103.97	105.28	-123.17	143.91	-2,214.33	201.57	21.26	180.31	1.118 Level 2	
10,500.00	7,135.59	10,628.58	7,245.82	106.67	107.99	-123.63	148.98	-2,314.16	199.05	14.92	184.13	1.081 Level 2	
10,600.00	7,135.78	10,728.53	7,245.98	109.38	110.70	-124.11	154.05	-2,413.98	196.54	8.66	187.88	1.046 Level 2	
10,700.00	7,135.98	10,828.49	7,246.15	112.09	113.42	-124.60	159.12	-2,513.81	194.05	2.47	191.58	1.013 Level 2	
10,800.00	7,136.17	10,928.44	7,246.31	114.81	116.14	-125.11	164.18	-2,613.63	191.57	-3.64	195.20	0.981 Level 1	
10,900.00	7,136.36	11,028.40	7,246.48	117.54	118.88	-125.62	169.25	-2,713.46	189.10	-9.65	198.75	0.951 Level 1	
11,000.00	7,136.56	11,128.35	7,246.65	120.28	121.62	-126.15	174.32	-2,813.29	186.65	-15.57	202.22	0.923 Level 1	
11,100.00	7,136.75	11,228.31	7,246.81	123.02	124.36	-126.70	179.39	-2,913.11	184.22	-21.39	205.61	0.896 Level 1	
11,200.00	7,136.95	11,328.26	7,246.98	125.76	127.11	-127.26	184.46	-3,012.94	181.80	-27.10	208.90	0.870 Level 1	
11,300.00	7,137.14	11,424.05	7,247.14	128.52	129.75	-127.57	188.09	-3,108.65	180.42	-32.04	212.46	0.849 Level 1	
11,302.97	7,137.15	11,426.87	7,247.15	128.60	129.83	-127.57	188.15	-3,111.48	180.42	-32.16	212.58	0.849 Level 1	
11,400.00	7,137.33	11,519.25	7,247.31	131.27	132.37	-127.27	188.56	-3,203.85	181.66	-35.61	217.27	0.836 Level 1	
11,500.00	7,137.53	11,615.72	7,247.48	134.03	135.00	-126.41	185.95	-3,300.28	185.46	-38.04	223.50	0.830 Level 1	
11,600.00	7,137.72	11,715.57	7,247.67	136.80	137.73	-125.41	182.45	-3,400.06	189.97	-40.50	230.47	0.824 Level 1	
11,700.00	7,137.92	11,815.41	7,247.85	139.57	140.47	-124.46	178.95	-3,499.85	194.54	-42.84	237.38	0.820 Level 1	
11,800.00	7,138.11	11,915.26	7,248.03	142.34	143.21	-123.55	175.45	-3,599.63	199.15	-45.08	244.23	0.815 Level 1	
11,900.00	7,138.30	12,015.10	7,248.21	145.12	145.95	-122.68	171.95	-3,699.41	203.82	-47.21	251.02	0.812 Level 1	
12,000.00	7,138.50	12,114.95	7,248.39	147.90	148.70	-121.85	168.44	-3,799.20	208.53	-49.24	257.76	0.809 Level 1	
12,100.00	7,138.69	12,214.79	7,248.58	150.68	151.45	-121.06	164.94	-3,898.98	213.28	-51.17	264.45	0.806 Level 1	
12,200.00	7,138.88	12,314.63	7,248.76	153.47	154.20	-120.30	161.44	-3,998.76	218.07	-53.02	271.09	0.804 Level 1	
12,300.00	7,139.08	12,414.48	7,248.94	156.26	156.96	-119.58	157.94	-4,098.54	222.89	-54.79	277.68	0.803 Level 1	
12,400.00	7,139.27	12,514.32	7,249.12	159.05	159.72	-118.88	154.44	-4,198.33	227.75	-56.48	284.23	0.801 Level 1	
12,500.00	7,139.47	12,614.17	7,249.30	161.85	162.48	-118.22	150.94	-4,298.11	232.65	-58.10	290.74	0.800 Level 1	
12,600.00	7,139.66	12,714.01	7,249.49	164.64	165.24	-117.58	147.43	-4,397.89	237.57	-59.64	297.21	0.799 Level 1	
12,700.00	7,139.85	12,813.86	7,249.67	167.44	168.01	-116.97	143.93	-4,497.68	242.52	-61.13	303.65	0.799 Level 1	
12,800.00	7,140.05	12,913.70	7,249.85	170.24	170.78	-116.38	140.43	-4,597.46	247.50	-62.55	310.05	0.798 Level 1	
12,900.00	7,140.24	13,013.55	7,250.03	173.05	173.55	-115.81	136.93	-4,697.24	252.50	-63.92	316.42	0.798 Level 1	
13,000.00	7,140.44	13,113.39	7,250.22	175.85	176.33	-115.27	133.43	-4,797.03	257.52	-65.23	322.76	0.798 Level 1	
13,100.00	7,140.63	13,213.24	7,250.40	178.66	179.11	-114.75	129.93	-4,896.81	262.57	-66.50	329.07	0.798 Level 1	
13,200.00	7,140.82	13,313.08	7,250.58	181.47	181.89	-114.25	126.42	-4,996.59	267.64	-67.71	335.35	0.798 Level 1	
13,300.00	7,141.02	13,412.92	7,250.76	184.28	184.67	-113.77	122.92	-5,096.37	272.73	-68.88	341.61	0.798 Level 1	
13,400.00	7,141.21	13,512.77	7,250.94	187.10	187.45	-113.30	119.42	-5,196.16	277.83	-70.01	347.84	0.799 Level 1	
13,500.00	7,141.41	13,612.61	7,251.13	189.91	190.23	-112.85	115.92	-5,295.94	282.96	-71.10	354.05	0.799 Level 1	
13,600.00	7,141.60	13,712.46	7,251.31	192.73	193.02	-112.42	112.42	-5,395.72	288.10	-72.14	360.24	0.800 Level 1	
13,700.00	7,141.79	13,812.30	7,251.49	195.54	195.81	-112.00	108.92	-5,495.51	293.25	-73.16	366.41	0.800 Level 1	
13,800.00	7,141.99	13,912.15	7,251.67	198.36	198.60	-111.60	105.41	-5,595.29	298.43	-74.14	372.56	0.801 Level 1	
13,900.00	7,142.18	14,011.99	7,251.85	201.18	201.39	-111.21	101.91	-5,695.07	303.61	-75.08	378.69	0.802 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	14,111.84	7,252.04	204.01	204.18	-110.84	98.41	-5,794.86	308.81	-76.00	384.81	0.803	Level 1	
14,100.00	7,142.57	14,211.68	7,252.22	206.83	206.98	-110.47	94.91	-5,894.64	314.02	-76.88	390.91	0.803	Level 1	
14,200.00	7,142.76	14,311.53	7,252.40	209.65	209.77	-110.12	91.41	-5,994.42	319.25	-77.74	396.99	0.804	Level 1	
14,300.00	7,142.96	14,411.37	7,252.58	212.48	212.57	-109.78	87.91	-6,094.20	324.48	-78.58	403.06	0.805	Level 1	
14,400.00	7,143.15	14,511.22	7,252.76	215.30	215.37	-109.45	84.40	-6,193.99	329.73	-79.38	409.12	0.806	Level 1	
14,500.00	7,143.34	14,611.06	7,252.95	218.13	218.17	-109.13	80.90	-6,293.77	334.99	-80.17	415.16	0.807	Level 1	
14,600.00	7,143.54	14,710.90	7,253.13	220.96	220.97	-108.82	77.40	-6,393.55	340.26	-80.93	421.19	0.808	Level 1	
14,700.00	7,143.73	14,810.75	7,253.31	223.79	223.77	-108.52	73.90	-6,493.34	345.53	-81.67	427.20	0.809	Level 1	
14,800.00	7,143.93	14,910.59	7,253.49	226.62	226.57	-108.23	70.40	-6,593.12	350.82	-82.39	433.21	0.810	Level 1	
14,838.32	7,144.00	14,948.85	7,253.56	227.70	227.64	-108.12	69.06	-6,631.36	352.85	-82.66	435.51	0.810	Level 1	
14,900.00	7,144.12	15,010.47	7,253.68	229.45	229.37	-107.96	66.89	-6,692.93	355.49	-83.65	439.13	0.810	Level 1	
15,000.00	7,144.32	15,110.45	7,253.86	232.26	232.18	-107.86	63.39	-6,792.85	357.08	-87.63	444.71	0.803	Level 1	
15,027.81	7,144.37	15,138.26	7,253.91	233.04	232.96	-107.87	62.41	-6,820.64	356.93	-89.26	446.19	0.800	Level 1	
15,100.00	7,144.51	15,210.45	7,254.04	235.07	234.99	-107.91	59.88	-6,892.79	356.21	-93.79	450.00	0.792	Level 1	
15,200.00	7,144.71	15,310.44	7,254.22	237.87	237.80	-107.96	56.37	-6,992.72	355.22	-100.06	455.28	0.780	Level 1	
15,300.00	7,144.91	15,410.44	7,254.41	240.68	240.61	-108.01	52.87	-7,092.65	354.23	-106.33	460.56	0.769	Level 1	
15,400.00	7,145.10	15,510.43	7,254.59	243.48	243.42	-108.06	49.36	-7,192.59	353.24	-112.59	465.83	0.758	Level 1	
15,500.00	7,145.30	15,610.43	7,254.77	246.29	246.24	-108.11	45.85	-7,292.52	352.25	-118.86	471.10	0.748	Level 1	
15,600.00	7,145.50	15,710.42	7,254.95	249.10	249.05	-108.16	42.35	-7,392.45	351.26	-125.12	476.37	0.737	Level 1	
15,700.00	7,145.69	15,810.41	7,255.13	251.91	251.86	-108.21	38.84	-7,492.39	350.27	-131.38	481.64	0.727	Level 1	
15,800.00	7,145.89	15,910.41	7,255.32	254.71	254.68	-108.26	35.33	-7,592.32	349.28	-137.63	486.91	0.717	Level 1	
15,900.00	7,146.09	16,010.40	7,255.50	257.52	257.50	-108.31	31.83	-7,692.25	348.29	-143.88	492.17	0.708	Level 1	
16,000.00	7,146.28	16,110.40	7,255.68	260.34	260.31	-108.36	28.32	-7,792.18	347.30	-150.13	497.43	0.698	Level 1	
16,100.00	7,146.48	16,210.39	7,255.86	263.15	263.13	-108.41	24.81	-7,892.12	346.31	-156.38	502.69	0.689	Level 1	
16,200.00	7,146.68	16,310.39	7,256.05	265.96	265.95	-108.46	21.30	-7,992.05	345.32	-162.62	507.94	0.680	Level 1	
16,300.00	7,146.87	16,410.38	7,256.23	268.77	268.77	-108.52	17.80	-8,091.98	344.33	-168.86	513.19	0.671	Level 1	
16,400.00	7,147.07	16,510.38	7,256.41	271.58	271.59	-108.57	14.29	-8,191.92	343.34	-175.10	518.44	0.662	Level 1	
16,500.00	7,147.27	16,610.37	7,256.59	274.40	274.40	-108.62	10.78	-8,291.85	342.35	-181.33	523.68	0.654	Level 1	
16,600.00	7,147.46	16,710.37	7,256.78	277.21	277.22	-108.68	7.28	-8,391.78	341.36	-187.56	528.93	0.645	Level 1	
16,700.00	7,147.66	16,810.36	7,256.96	280.03	280.05	-108.73	3.77	-8,491.71	340.37	-193.79	534.17	0.637	Level 1	
16,800.00	7,147.86	16,910.36	7,257.14	282.84	282.87	-108.78	0.26	-8,591.65	339.39	-200.01	539.40	0.629	Level 1	
16,900.00	7,148.05	17,010.35	7,257.32	285.66	285.69	-108.84	-3.24	-8,691.58	338.40	-206.23	544.63	0.621	Level 1	
17,000.00	7,148.25	17,110.34	7,257.51	288.48	288.51	-108.89	-6.75	-8,791.51	337.41	-212.45	549.86	0.614	Level 1	
17,100.00	7,148.45	17,210.34	7,257.69	291.29	291.33	-108.95	-10.26	-8,891.45	336.43	-218.66	555.09	0.606	Level 1	
17,200.00	7,148.64	17,310.33	7,257.87	294.11	294.16	-109.00	-13.76	-8,991.38	335.44	-224.87	560.31	0.599	Level 1	
17,300.00	7,148.84	17,410.33	7,258.05	296.93	296.98	-109.06	-17.27	-9,091.31	334.45	-231.07	565.53	0.591	Level 1	
17,400.00	7,149.04	17,510.32	7,258.24	299.75	299.81	-109.11	-20.78	-9,191.25	333.47	-237.27	570.74	0.584	Level 1	
17,500.00	7,149.23	17,610.32	7,258.42	302.57	302.63	-109.17	-24.29	-9,291.18	332.48	-243.47	575.95	0.577	Level 1	
17,600.00	7,149.43	17,710.31	7,258.60	305.39	305.46	-109.23	-27.79	-9,391.11	331.50	-249.66	581.16	0.570	Level 1	
17,700.00	7,149.63	17,810.31	7,258.78	308.21	308.28	-109.28	-31.30	-9,491.04	330.51	-255.85	586.36	0.564	Level 1	
17,800.00	7,149.82	17,910.30	7,258.97	311.03	311.11	-109.34	-34.81	-9,590.98	329.53	-262.03	591.56	0.557	Level 1	
17,900.00	7,150.02	18,010.30	7,259.15	313.85	313.93	-109.40	-38.31	-9,690.91	328.54	-268.21	596.75	0.551	Level 1	
18,000.00	7,150.22	18,110.29	7,259.33	316.67	316.76	-109.46	-41.82	-9,790.84	327.56	-274.38	601.94	0.544	Level 1	
18,100.00	7,150.41	18,210.29	7,259.51	319.49	319.59	-109.52	-45.33	-9,890.78	326.58	-280.55	607.13	0.538	Level 1	
18,200.00	7,150.61	18,310.28	7,259.69	322.32	322.41	-109.57	-48.83	-9,990.71	325.59	-286.72	612.31	0.532	Level 1	
18,300.00	7,150.81	18,410.27	7,259.88	325.14	325.24	-109.63	-52.34	-10,090.64	324.61	-292.87	617.49	0.526	Level 1	
18,400.00	7,151.00	18,510.27	7,260.06	327.96	328.07	-109.69	-55.85	-10,190.57	323.63	-299.03	622.66	0.520	Level 1	
18,500.00	7,151.20	18,610.26	7,260.24	330.78	330.90	-109.75	-59.36	-10,290.51	322.65	-305.18	627.83	0.514	Level 1	
18,600.00	7,151.40	18,710.26	7,260.42	333.61	333.73	-109.81	-62.86	-10,390.44	321.67	-311.32	632.99	0.508	Level 1	
18,700.00	7,151.59	18,810.25	7,260.61	336.43	336.56	-109.87	-66.37	-10,490.37	320.68	-317.46	638.15	0.503	Level 1	
18,800.00	7,151.79	18,910.25	7,260.79	339.26	339.39	-109.93	-69.88	-10,590.31	319.70	-323.60	643.30	0.497	Level 1	
18,906.26	7,152.00	19,016.51	7,260.98	342.26	342.39	-110.00	-73.60	-10,696.50	318.66	-330.11	648.77	0.491	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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-49.66	1,441.98	-1,697.96	2,227.64					
100.00	100.00	104.00	96.00	3.28	3.78	-49.66	1,441.98	-1,697.96	2,227.64	2,220.57	7.07	315.180		
200.00	200.00	204.00	196.00	3.34	6.30	-49.66	1,441.98	-1,697.96	2,227.64	2,218.00	9.63	231.209		
300.00	299.98	304.02	295.98	3.44	9.46	-129.68	1,441.98	-1,697.96	2,228.75	2,215.86	12.90	172.799		
400.00	399.84	404.16	395.84	3.60	12.79	-129.73	1,441.98	-1,697.96	2,232.10	2,215.71	16.39	136.182		
500.00	499.45	504.55	495.45	3.81	16.20	-129.82	1,441.98	-1,697.96	2,237.69	2,217.68	20.01	111.853		
600.00	598.70	605.30	594.70	4.06	19.66	-129.93	1,441.98	-1,697.96	2,245.54	2,221.83	23.71	94.719		
700.00	697.47	706.53	693.47	4.34	23.15	-130.08	1,441.98	-1,697.96	2,255.67	2,228.19	27.48	82.081		
785.50	781.43	777.43	777.43	4.61	25.61	-130.23	1,441.98	-1,697.96	2,266.16	2,235.96	30.20	75.036		
800.00	795.63	808.37	791.63	4.66	26.68	-130.28	1,441.98	-1,697.96	2,268.08	2,236.76	31.32	72.413		
900.00	893.55	889.55	889.55	5.02	29.49	-130.67	1,441.98	-1,697.96	2,281.42	2,246.94	34.47	66.178		
1,000.00	991.47	987.47	987.47	5.40	32.89	-131.05	1,441.98	-1,697.96	2,294.85	2,256.62	38.23	60.023		
1,100.00	1,089.39	1,085.39	1,085.39	5.80	36.29	-131.42	1,441.98	-1,697.96	2,308.39	2,266.38	42.01	54.944		
1,200.00	1,187.31	1,183.31	1,183.31	6.21	39.70	-131.79	1,441.98	-1,697.96	2,322.03	2,276.21	45.81	50.688		
1,300.00	1,285.22	1,281.22	1,281.22	6.64	43.11	-132.16	1,441.98	-1,697.96	2,335.76	2,286.14	49.62	47.072		
1,400.00	1,383.14	1,379.14	1,379.14	7.08	46.52	-132.52	1,441.98	-1,697.96	2,349.58	2,296.14	53.44	43.964		
1,500.00	1,481.06	1,477.06	1,477.06	7.52	49.93	-132.88	1,441.98	-1,697.96	2,363.50	2,306.23	57.27	41.267		
1,600.00	1,578.98	1,574.98	1,574.98	7.98	53.34	-133.24	1,441.98	-1,697.96	2,377.52	2,316.40	61.11	38.904		
1,700.00	1,676.90	1,672.90	1,672.90	8.44	56.75	-133.59	1,441.98	-1,697.96	2,391.62	2,326.66	64.96	36.819		
1,800.00	1,774.82	1,770.82	1,770.82	8.90	60.16	-133.93	1,441.98	-1,697.96	2,405.81	2,337.00	68.81	34.965		
1,900.00	1,872.74	1,868.74	1,868.74	9.37	63.58	-134.27	1,441.98	-1,697.96	2,420.09	2,347.43	72.66	33.307		
2,000.00	1,970.66	1,966.66	1,966.66	9.84	66.99	-134.61	1,441.98	-1,697.96	2,434.45	2,357.93	76.52	31.816		
2,100.00	2,068.57	2,064.57	2,064.57	10.32	70.41	-134.95	1,441.98	-1,697.96	2,448.90	2,368.52	80.38	30.468		
2,200.00	2,166.49	2,162.49	2,162.49	10.80	73.82	-135.28	1,441.98	-1,697.96	2,463.42	2,379.19	84.24	29.243		
2,300.00	2,264.41	2,260.41	2,260.41	11.28	77.24	-135.61	1,441.98	-1,697.96	2,478.04	2,389.93	88.11	28.126		
2,400.00	2,362.33	2,358.33	2,358.33	11.76	80.65	-135.93	1,441.98	-1,697.96	2,492.73	2,400.75	91.97	27.103		
2,500.00	2,460.25	2,456.25	2,456.25	12.24	84.07	-136.25	1,441.98	-1,697.96	2,507.49	2,411.65	95.84	26.163		
2,600.00	2,558.17	2,554.17	2,554.17	12.73	87.48	-136.56	1,441.98	-1,697.96	2,522.34	2,422.63	99.71	25.296		
2,700.00	2,656.09	2,652.09	2,652.09	13.22	90.90	-136.88	1,441.98	-1,697.96	2,537.26	2,433.68	103.58	24.495		
2,800.00	2,754.01	2,750.01	2,750.01	13.71	94.31	-137.18	1,441.98	-1,697.96	2,552.25	2,444.80	107.46	23.751		
2,900.00	2,851.92	2,847.92	2,847.92	14.20	97.73	-137.49	1,441.98	-1,697.96	2,567.32	2,455.99	111.33	23.060		
3,000.00	2,949.84	2,945.84	2,945.84	14.69	101.15	-137.79	1,441.98	-1,697.96	2,582.46	2,467.26	115.21	22.416		
3,100.00	3,047.76	3,043.76	3,043.76	15.18	104.56	-138.09	1,441.98	-1,697.96	2,597.67	2,478.59	119.08	21.814		
3,200.00	3,145.68	3,141.68	3,141.68	15.67	107.98	-138.38	1,441.98	-1,697.96	2,612.95	2,489.99	122.96	21.251		
3,300.00	3,243.60	3,239.60	3,239.60	16.17	111.40	-138.67	1,441.98	-1,697.96	2,628.30	2,501.46	126.83	20.723		
3,400.00	3,341.52	3,337.52	3,337.52	16.66	114.81	-138.96	1,441.98	-1,697.96	2,643.71	2,513.00	130.71	20.226		
3,500.00	3,439.44	3,435.44	3,435.44	17.16	118.23	-139.25	1,441.98	-1,697.96	2,659.19	2,524.60	134.59	19.758		
3,600.00	3,537.36	3,533.36	3,533.36	17.65	121.65	-139.53	1,441.98	-1,697.96	2,674.73	2,536.27	138.47	19.317		
3,700.00	3,635.27	3,631.27	3,631.27	18.15	125.07	-139.81	1,441.98	-1,697.96	2,690.34	2,548.00	142.34	18.900		
3,800.00	3,733.19	3,729.19	3,729.19	18.65	128.48	-140.08	1,441.98	-1,697.96	2,706.01	2,559.79	146.22	18.506		
3,900.00	3,831.11	3,827.11	3,827.11	19.14	131.90	-140.35	1,441.98	-1,697.96	2,721.74	2,571.64	150.10	18.133		
4,000.00	3,929.03	3,925.03	3,925.03	19.64	135.32	-140.62	1,441.98	-1,697.96	2,737.53	2,583.55	153.98	17.779		
4,100.00	4,026.95	4,022.95	4,022.95	20.14	138.73	-140.89	1,441.98	-1,697.96	2,753.38	2,595.52	157.86	17.442		
4,200.00	4,124.87	4,120.87	4,120.87	20.64	142.15	-141.15	1,441.98	-1,697.96	2,769.28	2,607.55	161.74	17.122		
4,300.00	4,222.79	4,218.79	4,218.79	21.14	145.57	-141.41	1,441.98	-1,697.96	2,785.25	2,619.63	165.62	16.817		
4,400.00	4,320.71	4,316.71	4,316.71	21.64	148.99	-141.67	1,441.98	-1,697.96	2,801.27	2,631.77	169.50	16.527		
4,500.00	4,418.62	4,414.62	4,414.62	22.14	152.40	-141.92	1,441.98	-1,697.96	2,817.34	2,643.97	173.38	16.250		
4,600.00	4,516.54	4,512.54	4,512.54	22.64	155.82	-142.17	1,441.98	-1,697.96	2,833.47	2,656.22	177.26	15.985		
4,700.00	4,614.46	4,610.46	4,610.46	23.14	159.24	-142.42	1,441.98	-1,697.96	2,849.66	2,668.52	181.14	15.732		
4,800.00	4,712.38	4,708.38	4,708.38	23.64	162.66	-142.67	1,441.98	-1,697.96	2,865.89	2,680.88	185.02	15.490		
4,900.00	4,810.30	4,806.30	4,806.30	24.14	166.08	-142.91	1,441.98	-1,697.96	2,882.18	2,693.28	188.90	15.258		
5,000.00	4,908.22	4,904.22	4,904.22	24.64	169.49	-143.15	1,441.98	-1,697.96	2,898.52	2,705.74	192.78	15.036		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - GILLESPIE #11-1(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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,006.14	5,002.14	5,002.14	25.14	172.91	-143.39	1,441.98	-1,697.96	2,914.90	2,718.25	196.66	14.822				
5,200.00	5,104.06	5,100.06	5,100.06	25.64	176.33	-143.62	1,441.98	-1,697.96	2,931.34	2,730.80	200.54	14.617				
5,300.00	5,201.97	5,202.03	5,197.97	26.14	179.89	-143.85	1,441.98	-1,697.96	2,947.82	2,743.27	204.56	14.411				
5,400.00	5,299.89	5,304.11	5,295.89	26.64	183.45	-144.08	1,441.98	-1,697.96	2,964.36	2,755.77	208.58	14.212				
5,500.00	5,397.81	5,406.19	5,393.81	27.15	187.01	-144.31	1,441.98	-1,697.96	2,980.93	2,768.32	212.61	14.021				
5,600.00	5,495.73	5,508.27	5,491.73	27.65	190.58	-144.54	1,441.98	-1,697.96	2,997.56	2,780.92	216.63	13.837				
5,700.00	5,593.65	5,589.65	5,589.65	28.15	193.42	-144.76	1,441.98	-1,697.96	3,014.23	2,794.29	219.94	13.705				
5,800.00	5,691.57	5,687.57	5,687.57	28.65	196.84	-144.98	1,441.98	-1,697.96	3,030.94	2,807.12	223.82	13.542				
5,900.00	5,789.49	5,785.49	5,785.49	29.15	200.25	-145.19	1,441.98	-1,697.96	3,047.69	2,820.00	227.70	13.385				
6,000.00	5,887.41	5,883.41	5,883.41	29.66	203.67	-145.41	1,441.98	-1,697.96	3,064.49	2,832.92	231.58	13.233				
6,100.00	5,985.32	5,981.32	5,981.32	30.16	207.09	-145.62	1,441.98	-1,697.96	3,081.33	2,845.88	235.46	13.087				
6,200.00	6,083.24	6,079.24	6,079.24	30.66	210.51	-145.83	1,441.98	-1,697.96	3,098.22	2,858.88	239.34	12.945				
6,300.00	6,181.16	6,177.16	6,177.16	31.16	213.92	-146.04	1,441.98	-1,697.96	3,115.14	2,871.92	243.22	12.808				
6,400.00	6,279.08	6,275.08	6,275.08	31.67	217.34	-146.25	1,441.98	-1,697.96	3,132.10	2,885.01	247.10	12.676				
6,490.03	6,367.24	6,363.24	6,363.24	32.12	220.42	-146.43	1,441.98	-1,697.96	3,147.41	2,896.82	250.59	12.560				
6,500.00	6,377.01	6,373.01	6,373.01	32.17	220.76	-145.58	1,441.98	-1,697.96	3,149.04	2,898.06	250.98	12.547				
6,550.00	6,426.43	6,422.43	6,422.43	32.40	222.49	-137.45	1,441.98	-1,697.96	3,155.03	2,902.11	252.92	12.474				
6,600.00	6,476.27	6,472.27	6,472.27	32.61	224.23	-102.92	1,441.98	-1,697.96	3,157.40	2,902.53	254.87	12.388				
6,650.00	6,526.21	6,522.21	6,522.21	32.80	225.97	-16.67	1,441.98	-1,697.96	3,156.12	2,899.32	256.80	12.290				
6,700.00	6,575.96	6,571.96	6,571.96	32.98	227.71	4.53	1,441.98	-1,697.96	3,151.20	2,892.49	258.71	12.181				
6,750.00	6,625.19	6,621.19	6,621.19	33.16	229.42	11.13	1,441.98	-1,697.96	3,142.67	2,882.09	260.58	12.060				
6,800.00	6,673.62	6,669.62	6,669.62	33.35	231.11	14.53	1,441.98	-1,697.96	3,130.59	2,868.17	262.42	11.930				
6,850.00	6,720.94	6,716.94	6,716.94	33.55	232.77	16.86	1,441.98	-1,697.96	3,115.03	2,850.83	264.20	11.790				
6,900.00	6,766.86	6,762.86	6,762.86	33.76	234.37	18.78	1,441.98	-1,697.96	3,096.09	2,830.17	265.92	11.643				
6,950.00	6,811.10	6,807.10	6,807.10	33.98	235.91	20.60	1,441.98	-1,697.96	3,073.90	2,806.32	267.58	11.488				
7,000.00	6,853.38	6,849.38	6,849.38	34.23	237.39	22.47	1,441.98	-1,697.96	3,048.61	2,779.45	269.16	11.326				
7,050.00	6,893.45	6,889.45	6,889.45	34.50	238.79	24.51	1,441.98	-1,697.96	3,020.38	2,749.73	270.65	11.160				
7,100.00	6,931.05	6,927.05	6,927.05	34.79	240.10	26.82	1,441.98	-1,697.96	2,989.40	2,717.35	272.06	10.988				
7,150.00	6,965.96	6,961.96	6,961.96	35.12	241.32	29.49	1,441.98	-1,697.96	2,955.88	2,682.52	273.36	10.813				
7,200.00	6,997.96	7,006.04	6,993.96	35.47	242.86	32.64	1,441.98	-1,697.96	2,920.03	2,645.04	274.99	10.619				
7,250.00	7,026.85	7,022.85	7,022.85	35.86	243.44	36.38	1,441.98	-1,697.96	2,882.11	2,606.44	275.67	10.455				
7,300.00	7,052.45	7,048.45	7,048.45	36.29	244.34	40.85	1,441.98	-1,697.96	2,842.35	2,565.69	276.66	10.274				
7,350.00	7,074.61	7,070.61	7,070.61	36.76	245.11	46.20	1,441.98	-1,697.96	2,801.03	2,523.49	277.54	10.092				
7,400.00	7,093.19	7,089.19	7,089.19	37.27	245.76	52.55	1,441.98	-1,697.96	2,758.42	2,480.10	278.31	9.911				
7,450.00	7,108.07	7,104.07	7,104.07	37.81	246.28	59.97	1,441.98	-1,697.96	2,714.80	2,435.83	278.97	9.731				
7,500.00	7,119.17	7,115.17	7,115.17	38.39	246.67	68.38	1,441.98	-1,697.96	2,670.46	2,390.95	279.51	9.554				
7,550.00	7,126.41	7,122.41	7,122.41	38.99	246.92	77.47	1,441.98	-1,697.96	2,625.70	2,345.75	279.94	9.379				
7,600.00	7,129.75	7,125.75	7,125.75	39.62	247.04	86.77	1,441.98	-1,697.96	2,580.80	2,300.54	280.26	9.209				
7,616.41	7,130.00	7,126.00	7,126.00	39.83	247.05	89.78	1,441.98	-1,697.96	2,566.09	2,285.75	280.34	9.153				
7,700.00	7,130.16	7,126.16	7,126.16	40.97	247.05	89.78	1,441.98	-1,697.96	2,491.47	2,210.72	280.75	8.874				
7,800.00	7,130.35	7,126.35	7,126.35	42.46	247.06	89.79	1,441.98	-1,697.96	2,402.99	2,121.64	281.34	8.541				
7,900.00	7,130.55	7,126.55	7,126.55	44.09	247.06	89.80	1,441.98	-1,697.96	2,315.44	2,033.38	282.06	8.209				
8,000.00	7,130.74	7,126.74	7,126.74	45.84	247.07	89.81	1,441.98	-1,697.96	2,228.94	1,946.01	282.92	7.878				
8,100.00	7,130.94	7,126.94	7,126.94	47.70	247.08	89.82	1,441.98	-1,697.96	2,143.61	1,859.66	283.95	7.549				
8,200.00	7,131.13	7,127.13	7,127.13	49.65	247.08	89.83	1,441.98	-1,697.96	2,059.60	1,774.45	285.16	7.223				
8,300.00	7,131.32	7,127.32	7,127.32	51.70	247.09	89.84	1,441.98	-1,697.96	1,977.09	1,690.52	286.56	6.899				
8,400.00	7,131.52	7,127.52	7,127.52	53.81	247.10	89.85	1,441.98	-1,697.96	1,896.25	1,608.06	288.20	6.580				
8,500.00	7,131.71	7,127.71	7,127.71	55.99	247.11	89.86	1,441.98	-1,697.96	1,817.33	1,527.26	290.07	6.265				
8,600.00	7,131.90	7,127.90	7,127.90	58.24	247.11	89.87	1,441.98	-1,697.96	1,740.57	1,448.37	292.20	5.957				
8,700.00	7,132.10	7,128.10	7,128.10	60.53	247.12	89.88	1,441.98	-1,697.96	1,666.28	1,371.67	294.62	5.656				
8,800.00	7,132.29	7,128.29	7,128.29	62.87	247.13	89.89	1,441.98	-1,697.96	1,594.81	1,297.48	297.32	5.364				
8,900.00	7,132.49	7,128.49	7,128.49	65.25	247.13	89.90	1,441.98	-1,697.96	1,526.54	1,226.21	300.33	5.083				

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,128.68	7,128.68	67.68	247.14	89.91	1,441.98	-1,697.96	1,461.92	1,158.30	303.63	4.815		
9,100.00	7,132.87	7,128.87	7,128.87	70.13	247.15	89.92	1,441.98	-1,697.96	1,401.47	1,094.26	307.21	4.562		
9,200.00	7,133.07	7,129.07	7,129.07	72.61	247.15	89.93	1,441.98	-1,697.96	1,345.74	1,034.71	311.04	4.327		
9,300.00	7,133.26	7,129.26	7,129.26	75.13	247.16	89.94	1,441.98	-1,697.96	1,295.35	980.28	315.07	4.111		
9,400.00	7,133.46	7,129.46	7,129.46	77.66	247.17	89.95	1,441.98	-1,697.96	1,250.94	931.71	319.23	3.919		
9,500.00	7,133.65	7,129.65	7,129.65	80.22	247.17	89.96	1,441.98	-1,697.96	1,213.15	889.74	323.41	3.751		
9,600.00	7,133.84	7,129.84	7,129.84	82.80	247.18	89.97	1,441.98	-1,697.96	1,182.65	855.15	327.50	3.611		
9,700.00	7,134.04	7,130.04	7,130.04	85.40	247.19	89.98	1,441.98	-1,697.96	1,159.98	828.62	331.36	3.501		
9,800.00	7,134.23	7,130.23	7,130.23	88.01	247.19	89.99	1,441.98	-1,697.96	1,145.63	810.78	334.84	3.421		
9,900.00	7,134.43	7,130.43	7,130.43	90.64	247.20	90.00	1,441.98	-1,697.96	1,139.90	802.06	337.84	3.374		
9,915.48	7,134.46	7,130.46	7,130.46	91.05	247.20	90.00	1,441.98	-1,697.96	1,139.79	801.54	338.25	3.370 CC, ES		
10,000.00	7,134.62	7,130.62	7,130.62	93.28	247.21	90.01	1,441.98	-1,697.96	1,142.92	802.68	340.24	3.359 SF		
10,100.00	7,134.81	7,130.81	7,130.81	95.94	247.21	90.02	1,441.98	-1,697.96	1,154.63	812.63	342.01	3.376		
10,200.00	7,135.01	7,131.01	7,131.01	98.61	247.22	90.03	1,441.98	-1,697.96	1,174.77	831.64	343.12	3.424		
10,300.00	7,135.20	7,131.20	7,131.20	101.28	247.23	90.04	1,441.98	-1,697.96	1,202.91	859.27	343.63	3.501		
10,400.00	7,135.39	7,131.39	7,131.39	103.97	247.23	90.05	1,441.98	-1,697.96	1,238.50	894.90	343.60	3.604		
10,500.00	7,135.59	7,131.59	7,131.59	106.67	247.24	90.06	1,441.98	-1,697.96	1,280.94	937.81	343.12	3.733		
10,600.00	7,135.78	7,131.78	7,131.78	109.38	247.25	90.07	1,441.98	-1,697.96	1,329.55	987.27	342.28	3.884		
10,700.00	7,135.98	7,131.98	7,131.98	112.09	247.25	90.08	1,441.98	-1,697.96	1,383.69	1,042.53	341.17	4.056		
10,800.00	7,136.17	7,132.17	7,132.17	114.81	247.26	90.09	1,441.98	-1,697.96	1,442.74	1,102.88	339.86	4.245		
10,900.00	7,136.36	7,132.36	7,132.36	117.54	247.27	90.10	1,441.98	-1,697.96	1,506.12	1,167.69	338.44	4.450		
11,000.00	7,136.56	7,132.56	7,132.56	120.28	247.27	90.11	1,441.98	-1,697.96	1,573.31	1,236.37	336.95	4.669		
11,100.00	7,136.75	7,132.75	7,132.75	123.02	247.28	90.12	1,441.98	-1,697.96	1,643.84	1,308.42	335.43	4.901		
11,200.00	7,136.95	7,132.95	7,132.95	125.76	247.29	90.13	1,441.98	-1,697.96	1,717.30	1,383.39	333.91	5.143		
11,300.00	7,137.14	7,133.14	7,133.14	128.52	247.29	90.13	1,441.98	-1,697.96	1,793.33	1,460.91	332.42	5.395		
11,400.00	7,137.33	7,133.33	7,133.33	131.27	247.30	90.14	1,441.98	-1,697.96	1,871.61	1,540.64	330.97	5.655		
11,500.00	7,137.53	7,133.53	7,133.53	134.03	247.31	90.15	1,441.98	-1,697.96	1,951.88	1,622.30	329.58	5.922		
11,600.00	7,137.72	7,133.72	7,133.72	136.80	247.31	90.16	1,441.98	-1,697.96	2,033.90	1,705.66	328.24	6.196		
11,700.00	7,137.92	7,133.92	7,133.92	139.57	247.32	90.17	1,441.98	-1,697.96	2,117.46	1,790.49	326.97	6.476		
11,800.00	7,138.11	7,134.11	7,134.11	142.34	247.33	90.18	1,441.98	-1,697.96	2,202.40	1,876.64	325.76	6.761		
11,900.00	7,138.30	7,134.30	7,134.30	145.12	247.34	90.19	1,441.98	-1,697.96	2,288.55	1,963.94	324.61	7.050		
12,000.00	7,138.50	7,134.50	7,134.50	147.90	247.34	90.20	1,441.98	-1,697.96	2,375.79	2,052.26	323.52	7.343		
12,100.00	7,138.69	7,134.69	7,134.69	150.68	247.35	90.21	1,441.98	-1,697.96	2,463.99	2,141.50	322.50	7.640		
12,200.00	7,138.88	7,134.88	7,134.88	153.47	247.36	90.22	1,441.98	-1,697.96	2,553.07	2,231.54	321.53	7.940		
12,300.00	7,139.08	7,135.08	7,135.08	156.26	247.36	90.23	1,441.98	-1,697.96	2,642.93	2,322.32	320.61	8.243		
12,400.00	7,139.27	7,135.27	7,135.27	159.05	247.37	90.24	1,441.98	-1,697.96	2,733.49	2,413.75	319.74	8.549		
12,500.00	7,139.47	7,135.47	7,135.47	161.85	247.38	90.25	1,441.98	-1,697.96	2,824.69	2,505.76	318.93	8.857		
12,600.00	7,139.66	7,135.66	7,135.66	164.64	247.38	90.26	1,441.98	-1,697.96	2,916.47	2,598.31	318.16	9.167		
12,700.00	7,139.85	7,135.85	7,135.85	167.44	247.39	90.27	1,441.98	-1,697.96	3,008.77	2,691.34	317.43	9.479		
12,800.00	7,140.05	7,136.05	7,136.05	170.24	247.40	90.28	1,441.98	-1,697.96	3,101.54	2,784.80	316.74	9.792		
12,900.00	7,140.24	7,136.24	7,136.24	173.05	247.40	90.29	1,441.98	-1,697.96	3,194.76	2,878.67	316.09	10.107		
13,000.00	7,140.44	7,136.44	7,136.44	175.85	247.41	90.30	1,441.98	-1,697.96	3,288.37	2,972.90	315.48	10.424		
13,100.00	7,140.63	7,136.63	7,136.63	178.66	247.42	90.31	1,441.98	-1,697.96	3,382.35	3,067.46	314.89	10.741		
13,200.00	7,140.82	7,136.82	7,136.82	181.47	247.42	90.32	1,441.98	-1,697.96	3,476.66	3,162.32	314.34	11.060		
13,300.00	7,141.02	7,137.02	7,137.02	184.28	247.43	90.33	1,441.98	-1,697.96	3,571.29	3,257.46	313.82	11.380		
13,400.00	7,141.21	7,137.21	7,137.21	187.10	247.44	90.34	1,441.98	-1,697.96	3,666.20	3,352.87	313.33	11.701		
13,500.00	7,141.41	7,137.41	7,137.41	189.91	247.44	90.35	1,441.98	-1,697.96	3,761.37	3,448.51	312.86	12.022		
13,600.00	7,141.60	7,137.60	7,137.60	192.73	247.45	90.36	1,441.98	-1,697.96	3,856.79	3,544.37	312.42	12.345		
13,700.00	7,141.79	7,137.79	7,137.79	195.54	247.46	90.37	1,441.98	-1,697.96	3,952.43	3,640.43	312.00	12.668		
13,800.00	7,141.99	7,137.99	7,137.99	198.36	247.46	90.38	1,441.98	-1,697.96	4,048.28	3,736.68	311.60	12.992		
13,900.00	7,142.18	7,138.18	7,138.18	201.18	247.47	90.39	1,441.98	-1,697.96	4,144.33	3,833.11	311.22	13.316		
14,000.00	7,142.37	7,138.37	7,138.37	204.01	247.48	90.40	1,441.98	-1,697.96	4,240.57	3,929.70	310.86	13.641		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,138.57	7,138.57	206.83	247.48	90.41	1,441.98	-1,697.96	4,336.97	4,026.45	310.52	13.967		
14,200.00	7,142.76	7,138.76	7,138.76	209.65	247.49	90.42	1,441.98	-1,697.96	4,433.53	4,123.34	310.20	14.293		
14,300.00	7,142.96	7,138.96	7,138.96	212.48	247.50	90.43	1,441.98	-1,697.96	4,530.24	4,220.36	309.89	14.619		
14,400.00	7,143.15	7,139.15	7,139.15	215.30	247.50	90.44	1,441.98	-1,697.96	4,627.10	4,317.50	309.60	14.946		
14,500.00	7,143.34	7,139.34	7,139.34	218.13	247.51	90.45	1,441.98	-1,697.96	4,724.08	4,414.76	309.32	15.273		
14,600.00	7,143.54	7,139.54	7,139.54	220.96	247.52	90.46	1,441.98	-1,697.96	4,821.18	4,512.13	309.05	15.600		
14,700.00	7,143.73	7,139.73	7,139.73	223.79	247.52	90.47	1,441.98	-1,697.96	4,918.41	4,609.61	308.80	15.928		
14,800.00	7,143.93	7,139.93	7,139.93	226.62	247.53	90.48	1,441.98	-1,697.96	5,015.74	4,707.18	308.56	16.255		
14,838.32	7,144.00	7,140.00	7,140.00	227.70	247.53	90.48	1,441.98	-1,697.96	5,053.06	4,744.59	308.47	16.381		
14,900.00	7,144.12	7,140.12	7,140.12	229.45	247.54	90.54	1,441.98	-1,697.96	5,113.32	4,804.98	308.34	16.583		
15,000.00	7,144.32	7,140.32	7,140.32	232.26	247.55	90.68	1,441.98	-1,697.96	5,211.62	4,903.45	308.17	16.912		
15,027.81	7,144.37	7,140.37	7,140.37	233.04	247.55	90.72	1,441.98	-1,697.96	5,239.07	4,930.95	308.13	17.003		
15,100.00	7,144.51	7,140.51	7,140.51	235.07	247.55	90.73	1,441.98	-1,697.96	5,310.42	5,002.39	308.03	17.240		
15,200.00	7,144.71	7,140.71	7,140.71	237.87	247.56	90.75	1,441.98	-1,697.96	5,409.28	5,101.38	307.91	17.568		
15,300.00	7,144.91	7,140.91	7,140.91	240.68	247.57	90.76	1,441.98	-1,697.96	5,508.19	5,200.40	307.79	17.896		
15,400.00	7,145.10	7,141.10	7,141.10	243.48	247.57	90.78	1,441.98	-1,697.96	5,607.13	5,299.46	307.67	18.224		
15,500.00	7,145.30	7,141.30	7,141.30	246.29	247.58	90.79	1,441.98	-1,697.96	5,706.11	5,398.54	307.57	18.552		
15,600.00	7,145.50	7,141.50	7,141.50	249.10	247.59	90.80	1,441.98	-1,697.96	5,805.12	5,497.66	307.47	18.880		
15,700.00	7,145.69	7,141.69	7,141.69	251.91	247.59	90.82	1,441.98	-1,697.96	5,904.17	5,596.80	307.37	19.208		
15,800.00	7,145.89	7,141.89	7,141.89	254.71	247.60	90.83	1,441.98	-1,697.96	6,003.25	5,695.97	307.29	19.536		
15,900.00	7,146.09	7,142.09	7,142.09	257.52	247.61	90.85	1,441.98	-1,697.96	6,102.36	5,795.16	307.20	19.864		
16,000.00	7,146.28	7,142.28	7,142.28	260.34	247.61	90.86	1,441.98	-1,697.96	6,201.50	5,894.37	307.13	20.192		
16,100.00	7,146.48	7,142.48	7,142.48	263.15	247.62	90.87	1,441.98	-1,697.96	6,300.67	5,993.61	307.05	20.520		
16,200.00	7,146.68	7,142.68	7,142.68	265.96	247.63	90.89	1,441.98	-1,697.96	6,399.86	6,092.87	306.99	20.847		
16,300.00	7,146.87	7,142.87	7,142.87	268.77	247.63	90.90	1,441.98	-1,697.96	6,499.08	6,192.15	306.92	21.175		
16,400.00	7,147.07	7,143.07	7,143.07	271.58	247.64	90.92	1,441.98	-1,697.96	6,598.32	6,291.45	306.87	21.502		
16,500.00	7,147.27	7,143.27	7,143.27	274.40	247.65	90.93	1,441.98	-1,697.96	6,697.58	6,390.77	306.81	21.830		
16,600.00	7,147.46	7,143.46	7,143.46	277.21	247.66	90.94	1,441.98	-1,697.96	6,796.86	6,490.10	306.76	22.157		
16,700.00	7,147.66	7,143.66	7,143.66	280.03	247.66	90.96	1,441.98	-1,697.96	6,896.17	6,589.45	306.72	22.484		
16,800.00	7,147.86	7,143.86	7,143.86	282.84	247.67	90.97	1,441.98	-1,697.96	6,995.49	6,688.82	306.67	22.811		
16,900.00	7,148.05	7,144.05	7,144.05	285.66	247.68	90.99	1,441.98	-1,697.96	7,094.84	6,788.20	306.63	23.138		
17,000.00	7,148.25	7,144.25	7,144.25	288.48	247.68	91.00	1,441.98	-1,697.96	7,194.20	6,887.60	306.60	23.465		
17,100.00	7,148.45	7,144.45	7,144.45	291.29	247.69	91.01	1,441.98	-1,697.96	7,293.58	6,987.01	306.57	23.791		
17,200.00	7,148.64	7,144.64	7,144.64	294.11	247.70	91.03	1,441.98	-1,697.96	7,392.97	7,086.43	306.54	24.118		
17,300.00	7,148.84	7,144.84	7,144.84	296.93	247.70	91.04	1,441.98	-1,697.96	7,492.39	7,185.87	306.51	24.444		
17,400.00	7,149.04	7,145.04	7,145.04	299.75	247.71	91.06	1,441.98	-1,697.96	7,591.81	7,285.32	306.49	24.770		
17,500.00	7,149.23	7,145.23	7,145.23	302.57	247.72	91.07	1,441.98	-1,697.96	7,691.26	7,384.78	306.47	25.096		
17,600.00	7,149.43	7,145.43	7,145.43	305.39	247.72	91.08	1,441.98	-1,697.96	7,790.71	7,484.25	306.46	25.422		
17,700.00	7,149.63	7,145.63	7,145.63	308.21	247.73	91.10	1,441.98	-1,697.96	7,890.18	7,583.74	306.44	25.747		
17,800.00	7,149.82	7,145.82	7,145.82	311.03	247.74	91.11	1,441.98	-1,697.96	7,989.67	7,683.23	306.43	26.073		
17,900.00	7,150.02	7,146.02	7,146.02	313.85	247.74	91.13	1,441.98	-1,697.96	8,089.16	7,782.74	306.43	26.398		
18,000.00	7,150.22	7,146.22	7,146.22	316.67	247.75	91.14	1,441.98	-1,697.96	8,188.67	7,882.25	306.42	26.724		
18,100.00	7,150.41	7,146.41	7,146.41	319.49	247.76	91.15	1,441.98	-1,697.96	8,288.19	7,981.77	306.42	27.049		
18,200.00	7,150.61	7,146.61	7,146.61	322.32	247.76	91.17	1,441.98	-1,697.96	8,387.72	8,081.30	306.42	27.373		
18,300.00	7,150.81	7,146.81	7,146.81	325.14	247.77	91.18	1,441.98	-1,697.96	8,487.27	8,180.84	306.42	27.698		
18,400.00	7,151.00	7,147.00	7,147.00	327.96	247.78	91.20	1,441.98	-1,697.96	8,586.82	8,280.39	306.43	28.022		
18,500.00	7,151.20	7,147.20	7,147.20	330.78	247.79	91.21	1,441.98	-1,697.96	8,686.38	8,379.95	306.43	28.347		
18,600.00	7,151.40	7,147.40	7,147.40	333.61	247.79	91.22	1,441.98	-1,697.96	8,785.96	8,479.51	306.44	28.671		
18,700.00	7,151.59	7,147.59	7,147.59	336.43	247.80	91.24	1,441.98	-1,697.96	8,885.54	8,579.09	306.45	28.995		
18,800.00	7,151.79	7,147.79	7,147.79	339.26	247.81	91.25	1,441.98	-1,697.96	8,985.13	8,678.67	306.47	29.318		
18,906.26	7,152.00	7,148.00	7,148.00	342.26	247.81	91.27	1,441.98	-1,697.96	9,090.97	8,784.49	306.48	29.662		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-107.00	-2,183.70	-7,143.56	7,469.88					
100.00	100.00	85.47	85.47	3.28	3.29	-107.00	-2,183.92	-7,143.52	7,469.90	7,463.33	6.57	1,136.958		
200.00	200.00	174.64	174.64	3.34	3.31	-107.00	-2,184.59	-7,143.41	7,470.01	7,463.36	6.65	1,123.759		
300.00	299.98	258.54	258.53	3.44	3.38	172.99	-2,185.42	-7,143.46	7,472.08	7,465.26	6.82	1,095.067		
400.00	399.84	356.92	356.91	3.60	3.51	172.97	-2,186.55	-7,143.53	7,477.68	7,470.57	7.11	1,051.542		
500.00	499.45	448.16	448.14	3.81	3.67	172.95	-2,187.19	-7,143.84	7,486.85	7,479.37	7.48	1,001.243		
600.00	598.70	551.43	551.41	4.06	3.89	172.93	-2,187.61	-7,144.26	7,499.45	7,491.50	7.95	943.740		
700.00	697.47	636.36	636.34	4.34	4.10	172.90	-2,188.22	-7,144.55	7,515.51	7,507.07	8.44	890.431		
785.50	781.43	697.00	696.98	4.61	4.27	172.86	-2,188.60	-7,144.97	7,532.20	7,523.33	8.87	849.093		
800.00	795.63	707.23	707.20	4.66	4.30	172.87	-2,188.65	-7,145.07	7,535.27	7,526.32	8.95	841.957		
900.00	893.55	791.12	791.09	5.02	4.54	172.88	-2,189.01	-7,145.95	7,556.52	7,547.01	9.52	793.991		
1,000.00	991.47	882.34	882.30	5.40	4.82	172.90	-2,189.56	-7,146.99	7,577.91	7,567.76	10.14	746.976		
1,100.00	1,089.39	973.11	973.06	5.80	5.12	172.91	-2,190.13	-7,148.10	7,599.38	7,588.58	10.80	703.413		
1,200.00	1,187.31	1,018.23	1,018.17	6.21	5.27	172.92	-2,190.07	-7,148.95	7,621.24	7,609.92	11.33	672.894		
1,300.00	1,285.22	1,061.00	1,060.93	6.64	5.42	172.94	-2,189.59	-7,150.17	7,643.76	7,631.91	11.85	644.882		
1,400.00	1,383.14	1,107.42	1,107.30	7.08	5.57	172.96	-2,188.67	-7,151.94	7,666.95	7,654.55	12.40	618.268		
1,500.00	1,481.06	1,153.00	1,152.81	7.52	5.73	172.98	-2,187.38	-7,154.16	7,690.83	7,677.87	12.95	593.721		
1,600.00	1,578.98	1,194.25	1,193.96	7.98	5.88	173.01	-2,185.84	-7,156.58	7,715.38	7,701.88	13.50	571.574		
1,700.00	1,676.90	1,248.00	1,247.51	8.44	6.07	173.04	-2,183.20	-7,160.33	7,740.62	7,726.52	14.09	549.184		
1,800.00	1,774.82	1,248.00	1,247.51	8.90	6.07	173.04	-2,183.20	-7,160.33	7,766.65	7,752.16	14.49	535.870		
1,900.00	1,872.74	1,303.40	1,302.62	9.37	6.27	173.09	-2,179.94	-7,165.02	7,793.28	7,778.17	15.11	515.923		
2,000.00	1,970.66	1,343.00	1,341.94	9.84	6.42	173.12	-2,177.38	-7,168.97	7,820.84	7,805.18	15.66	499.423		
2,100.00	2,068.57	1,378.89	1,377.53	10.32	6.56	173.16	-2,174.86	-7,172.88	7,849.11	7,832.91	16.20	484.418		
2,200.00	2,166.49	1,438.00	1,436.04	10.80	6.79	173.22	-2,170.22	-7,179.79	7,877.99	7,861.14	16.84	467.706		
2,300.00	2,264.41	1,499.31	1,496.66	11.28	7.04	173.28	-2,164.99	-7,187.35	7,907.31	7,889.80	17.50	451.813		
2,400.00	2,362.33	1,584.60	1,580.93	11.76	7.40	173.37	-2,157.43	-7,198.12	7,936.86	7,918.59	18.27	434.414		
2,500.00	2,460.25	1,664.40	1,659.78	12.24	7.74	173.46	-2,150.43	-7,208.24	7,966.51	7,947.49	19.02	418.755		
2,600.00	2,558.17	1,755.58	1,749.92	12.73	8.15	173.55	-2,143.20	-7,219.86	7,996.45	7,976.61	19.84	403.092		
2,700.00	2,656.09	1,863.96	1,857.18	13.22	8.64	173.66	-2,135.07	-7,233.12	8,026.03	8,005.30	20.74	387.004		
2,800.00	2,754.01	1,950.37	1,942.75	13.71	9.03	173.73	-2,129.41	-7,243.71	8,055.91	8,034.37	21.54	373.960		
2,900.00	2,851.92	2,071.55	2,062.85	14.20	9.59	173.84	-2,121.98	-7,258.01	8,085.48	8,062.96	22.52	359.090		
3,000.00	2,949.84	2,158.94	2,149.41	14.69	10.00	173.91	-2,115.91	-7,268.49	8,115.05	8,091.71	23.34	347.743		
3,100.00	3,047.76	2,272.76	2,262.04	15.18	10.55	174.02	-2,107.24	-7,282.35	8,144.66	8,120.37	24.29	335.267		
3,200.00	3,145.68	2,418.72	2,406.55	15.67	11.25	174.16	-2,095.84	-7,299.46	8,173.81	8,148.39	25.42	321.574		
3,300.00	3,243.60	2,542.54	2,529.18	16.17	11.85	174.27	-2,085.94	-7,313.33	8,202.44	8,176.00	26.44	310.238		
3,400.00	3,341.52	2,632.14	2,617.90	16.66	12.28	174.36	-2,078.45	-7,323.35	8,230.99	8,203.69	27.29	301.606		
3,500.00	3,439.44	2,705.75	2,690.83	17.16	12.64	174.43	-2,072.70	-7,331.59	8,259.71	8,231.65	28.06	294.346		
3,600.00	3,537.36	2,767.00	2,751.49	17.65	12.95	174.48	-2,068.02	-7,338.64	8,288.77	8,260.01	28.77	288.124		
3,700.00	3,635.27	2,837.01	2,820.79	18.15	13.29	174.54	-2,062.61	-7,346.95	8,318.18	8,288.66	29.52	281.764		
3,800.00	3,733.19	2,915.15	2,898.09	18.65	13.68	174.62	-2,056.37	-7,356.55	8,347.90	8,317.58	30.32	275.326		
3,900.00	3,831.11	3,029.36	3,011.07	19.14	14.26	174.72	-2,047.23	-7,370.59	8,377.67	8,346.36	31.31	267.564		
4,000.00	3,929.03	3,144.08	3,124.65	19.64	14.83	174.82	-2,038.63	-7,384.17	8,407.13	8,374.83	32.30	260.246		
4,100.00	4,026.95	3,198.01	3,178.03	20.14	15.11	174.87	-2,034.45	-7,390.66	8,436.75	8,403.77	32.98	255.841		
4,200.00	4,124.87	3,283.97	3,263.06	20.64	15.54	174.94	-2,027.90	-7,401.40	8,466.81	8,432.99	33.82	250.359		
4,300.00	4,222.79	4,300.00	3,464.27	21.14	20.56	175.09	-2,015.66	-7,424.49	8,496.31	8,457.27	39.04	217.619		
4,400.00	4,320.71	3,678.13	3,654.13	21.64	17.49	175.24	-2,002.89	-7,443.68	8,524.17	8,487.50	36.67	232.453		
4,500.00	4,418.62	3,782.22	3,757.39	22.14	18.00	175.32	-1,994.73	-7,453.95	8,551.80	8,514.19	37.61	227.365		
4,600.00	4,516.54	3,934.37	3,908.32	22.64	18.76	175.45	-1,982.11	-7,468.43	8,578.96	8,540.14	38.82	221.021		
4,700.00	4,614.46	3,983.59	3,957.10	23.14	19.00	175.49	-1,977.68	-7,473.22	8,606.24	8,566.77	39.47	218.046		
4,800.00	4,712.38	4,037.96	4,010.96	23.64	19.28	175.54	-1,972.78	-7,478.81	8,634.03	8,593.88	40.15	215.033		
4,900.00	4,810.30	4,097.00	4,069.40	24.14	19.58	175.60	-1,967.27	-7,485.20	8,662.26	8,621.40	40.86	212.002		
5,000.00	4,908.22	4,232.45	4,203.43	24.64	20.27	175.72	-1,954.22	-7,499.72	8,690.32	8,648.32	41.99	206.954		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,315.61	4,285.85	25.14	20.69	175.79	-1,947.21	-7,508.39	8,718.43	8,675.60	42.83	203.560		
5,200.00	5,104.06	4,413.28	4,382.72	25.64	21.18	175.87	-1,939.88	-7,518.36	8,746.56	8,702.81	43.74	199.957		
5,300.00	5,201.97	4,594.59	4,562.90	26.14	22.06	175.98	-1,929.15	-7,535.43	8,774.40	8,729.31	45.09	194.590		
5,400.00	5,299.89	4,652.82	4,620.87	26.64	22.33	176.01	-1,926.82	-7,540.43	8,801.83	8,756.05	45.78	192.277		
5,500.00	5,397.81	5,261.11	5,228.05	27.15	24.98	176.19	-1,916.26	-7,571.48	8,825.71	8,776.57	49.14	179.615		
5,600.00	5,495.73	5,353.33	5,320.25	27.65	25.36	176.20	-1,915.73	-7,573.37	8,847.77	8,797.80	49.98	177.042		
5,700.00	5,593.65	5,465.01	5,431.91	28.15	25.82	176.22	-1,915.18	-7,575.59	8,869.80	8,818.90	50.90	174.249		
5,800.00	5,691.57	5,567.67	5,534.55	28.65	26.23	176.23	-1,915.31	-7,577.28	8,891.64	8,839.86	51.79	171.699		
5,900.00	5,789.49	5,656.82	5,623.69	29.15	26.59	176.24	-1,915.55	-7,578.80	8,913.58	8,860.97	52.61	169.436		
6,000.00	5,887.41	5,756.47	5,723.32	29.66	27.00	176.25	-1,915.35	-7,580.63	8,935.54	8,882.06	53.48	167.082		
6,100.00	5,985.32	5,862.61	5,829.44	30.16	27.43	176.26	-1,915.24	-7,582.50	8,957.44	8,903.05	54.38	164.705		
6,200.00	6,083.24	5,950.39	5,917.21	30.66	27.79	176.28	-1,915.02	-7,584.03	8,979.30	8,924.09	55.20	162.655		
6,300.00	6,181.16	6,040.39	6,007.20	31.16	28.16	176.29	-1,915.08	-7,585.71	9,001.34	8,945.30	56.03	160.641		
6,400.00	6,279.08	6,218.02	6,184.81	31.67	28.88	176.30	-1,915.81	-7,588.01	9,022.90	8,965.63	57.26	157.566		
6,490.03	6,367.24	6,283.01	6,249.79	32.12	29.13	176.30	-1,916.16	-7,588.64	9,042.07	8,984.14	57.93	156.078		
6,500.00	6,377.01	6,295.82	6,262.60	32.17	29.19	177.28	-1,916.23	-7,588.77	9,044.13	8,986.10	58.03	155.846		
6,550.00	6,426.43	6,360.67	6,327.45	32.40	29.44	-174.11	-1,916.62	-7,589.39	9,052.17	8,993.65	58.53	154.667		
6,600.00	6,476.27	6,408.34	6,375.12	32.61	29.63	-139.36	-1,917.11	-7,589.75	9,056.40	8,997.47	58.93	153.686		
6,650.00	6,526.21	6,442.00	6,408.76	32.80	29.76	-53.13	-1,918.04	-7,589.91	9,056.91	8,997.67	59.24	152.882		
6,700.00	6,575.96	6,457.69	6,424.43	32.98	29.82	-32.17	-1,918.78	-7,589.95	9,053.76	8,994.31	59.45	152.285		
6,750.00	6,625.19	6,473.00	6,439.71	33.16	29.87	-26.06	-1,919.75	-7,589.99	9,047.02	8,987.37	59.65	151.676		
6,800.00	6,673.62	6,492.00	6,458.65	33.35	29.94	-23.41	-1,921.34	-7,590.01	9,036.72	8,976.88	59.84	151.018		
6,850.00	6,720.94	6,505.00	6,471.57	33.55	29.99	-22.10	-1,922.70	-7,589.99	9,022.91	8,962.92	59.99	150.407		
6,900.00	6,766.86	6,520.63	6,487.08	33.76	30.04	-21.51	-1,924.63	-7,589.96	9,005.69	8,945.56	60.13	149.759		
6,950.00	6,811.10	6,537.00	6,503.28	33.98	30.10	-21.37	-1,926.99	-7,589.92	8,985.16	8,924.90	60.27	149.086		
7,000.00	6,853.38	6,537.00	6,503.28	34.23	30.10	-21.55	-1,926.99	-7,589.92	8,961.44	8,901.12	60.32	148.563		
7,050.00	6,893.45	6,550.38	6,516.48	34.50	30.14	-22.06	-1,929.17	-7,589.89	8,934.64	8,874.22	60.41	147.888		
7,100.00	6,931.05	6,569.00	6,534.79	34.79	30.20	-22.89	-1,932.60	-7,589.89	8,904.97	8,844.45	60.52	147.140		
7,150.00	6,965.96	6,569.00	6,534.79	35.12	30.20	-23.97	-1,932.60	-7,589.89	8,872.48	8,811.94	60.54	146.551		
7,200.00	6,997.96	6,569.00	6,534.79	35.47	30.20	-25.41	-1,932.60	-7,589.89	8,837.44	8,776.88	60.56	145.935		
7,250.00	7,026.85	6,569.00	6,534.79	35.86	30.20	-27.28	-1,932.60	-7,589.89	8,800.04	8,739.47	60.57	145.291		
7,300.00	7,052.45	6,569.00	6,534.79	36.29	30.20	-29.69	-1,932.60	-7,589.89	8,760.48	8,699.90	60.58	144.615		
7,350.00	7,074.61	6,584.28	6,549.74	36.76	30.25	-32.93	-1,935.75	-7,589.92	8,718.89	8,658.24	60.65	143.756		
7,400.00	7,093.19	6,587.47	6,552.85	37.27	30.26	-37.06	-1,936.44	-7,589.93	8,675.63	8,614.96	60.68	142.978		
7,450.00	7,108.07	6,600.00	6,565.05	37.81	30.30	-42.63	-1,939.31	-7,590.00	8,630.94	8,570.19	60.75	142.074		
7,500.00	7,119.17	6,600.00	6,565.05	38.39	30.30	-49.86	-1,939.31	-7,590.00	8,584.99	8,524.21	60.78	141.252		
7,550.00	7,126.41	6,600.00	6,565.05	38.99	30.30	-59.45	-1,939.31	-7,590.00	8,538.10	8,477.28	60.82	140.392		
7,600.00	7,129.75	6,600.00	6,565.05	39.62	30.30	-71.80	-1,939.31	-7,590.00	8,490.54	8,429.68	60.87	139.496		
7,616.41	7,130.00	6,600.00	6,565.05	39.83	30.30	-76.42	-1,939.31	-7,590.00	8,474.84	8,413.96	60.89	139.192		
7,700.00	7,130.16	6,600.00	6,565.05	40.97	30.30	-76.42	-1,939.31	-7,590.00	8,394.79	8,333.80	60.99	137.634		
7,800.00	7,130.35	6,600.00	6,565.05	42.46	30.30	-76.42	-1,939.31	-7,590.00	8,299.13	8,237.98	61.15	135.723		
7,900.00	7,130.55	6,600.00	6,565.05	44.09	30.30	-76.42	-1,939.31	-7,590.00	8,203.57	8,142.23	61.33	133.758		
8,000.00	7,130.74	6,600.00	6,565.05	45.84	30.30	-76.42	-1,939.31	-7,590.00	8,108.11	8,046.56	61.55	131.741		
8,100.00	7,130.94	6,600.00	6,565.05	47.70	30.30	-76.42	-1,939.31	-7,590.00	8,012.76	7,950.97	61.79	129.672		
8,200.00	7,131.13	6,600.00	6,565.05	49.65	30.30	-76.42	-1,939.31	-7,590.00	7,917.53	7,855.46	62.07	127.552		
8,300.00	7,131.32	6,600.00	6,565.05	51.70	30.30	-76.42	-1,939.31	-7,590.00	7,822.42	7,760.03	62.39	125.383		
8,400.00	7,131.52	6,600.00	6,565.05	53.81	30.30	-76.42	-1,939.31	-7,590.00	7,727.44	7,664.70	62.74	123.166		
8,500.00	7,131.71	6,600.00	6,565.05	55.99	30.30	-76.42	-1,939.31	-7,590.00	7,632.58	7,569.45	63.13	120.903		
8,600.00	7,131.90	6,600.00	6,565.05	58.24	30.30	-76.42	-1,939.31	-7,590.00	7,537.85	7,474.29	63.56	118.597		
8,700.00	7,132.10	6,600.00	6,565.05	60.53	30.30	-76.42	-1,939.31	-7,590.00	7,443.26	7,379.23	64.03	116.249		
8,800.00	7,132.29	6,600.00	6,565.05	62.87	30.30	-76.42	-1,939.31	-7,590.00	7,348.81	7,284.27	64.54	113.865		
8,900.00	7,132.49	6,600.00	6,565.05	65.25	30.30	-76.42	-1,939.31	-7,590.00	7,254.52	7,189.42	65.09	111.445		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	6,600.00	6,565.05	67.68	30.30	-76.42	-1,939.31	-7,590.00	7,160.38	7,094.68	65.69	108.995		
9,100.00	7,132.87	6,600.00	6,565.05	70.13	30.30	-76.42	-1,939.31	-7,590.00	7,066.40	7,000.06	66.34	106.518		
9,200.00	7,133.07	6,600.00	6,565.05	72.61	30.30	-76.42	-1,939.31	-7,590.00	6,972.58	6,905.55	67.03	104.017		
9,300.00	7,133.26	6,600.00	6,565.05	75.13	30.30	-76.42	-1,939.31	-7,590.00	6,878.94	6,811.17	67.77	101.497		
9,400.00	7,133.46	6,600.00	6,565.05	77.66	30.30	-76.42	-1,939.31	-7,590.00	6,785.49	6,716.92	68.57	98.963		
9,500.00	7,133.65	6,600.00	6,565.05	80.22	30.30	-76.42	-1,939.31	-7,590.00	6,692.22	6,622.81	69.41	96.417		
9,600.00	7,133.84	6,600.00	6,565.05	82.80	30.30	-76.42	-1,939.31	-7,590.00	6,599.15	6,528.84	70.30	93.866		
9,700.00	7,134.04	6,600.00	6,565.05	85.40	30.30	-76.42	-1,939.31	-7,590.00	6,506.28	6,435.03	71.25	91.312		
9,800.00	7,134.23	6,600.00	6,565.05	88.01	30.30	-76.42	-1,939.31	-7,590.00	6,413.63	6,341.37	72.26	88.761		
9,900.00	7,134.43	6,600.00	6,565.05	90.64	30.30	-76.42	-1,939.31	-7,590.00	6,321.20	6,247.88	73.32	86.216		
10,000.00	7,134.62	6,600.00	6,565.05	93.28	30.30	-76.42	-1,939.31	-7,590.00	6,229.01	6,154.57	74.44	83.681		
10,100.00	7,134.81	6,600.00	6,565.05	95.94	30.30	-76.42	-1,939.31	-7,590.00	6,137.06	6,061.44	75.62	81.161		
10,200.00	7,135.01	6,600.00	6,565.05	98.61	30.30	-76.42	-1,939.31	-7,590.00	6,045.37	5,968.51	76.86	78.659		
10,300.00	7,135.20	6,600.00	6,565.05	101.28	30.30	-76.42	-1,939.31	-7,590.00	5,953.94	5,875.78	78.16	76.179		
10,400.00	7,135.39	6,600.00	6,565.05	103.97	30.30	-76.42	-1,939.31	-7,590.00	5,862.79	5,783.27	79.52	73.724		
10,500.00	7,135.59	6,600.00	6,565.05	106.67	30.30	-76.42	-1,939.31	-7,590.00	5,771.94	5,690.99	80.96	71.297		
10,600.00	7,135.78	6,600.00	6,565.05	109.38	30.30	-76.42	-1,939.31	-7,590.00	5,681.40	5,598.94	82.46	68.902		
10,700.00	7,135.98	6,600.00	6,565.05	112.09	30.30	-76.42	-1,939.31	-7,590.00	5,591.17	5,507.15	84.03	66.540		
10,800.00	7,136.17	6,600.00	6,565.05	114.81	30.30	-76.42	-1,939.31	-7,590.00	5,501.29	5,415.62	85.67	64.216		
10,900.00	7,136.36	6,600.00	6,565.05	117.54	30.30	-76.42	-1,939.31	-7,590.00	5,411.76	5,324.37	87.38	61.931		
11,000.00	7,136.56	6,600.00	6,565.05	120.28	30.30	-76.42	-1,939.31	-7,590.00	5,322.60	5,233.43	89.18	59.687		
11,100.00	7,136.75	6,600.00	6,565.05	123.02	30.30	-76.42	-1,939.31	-7,590.00	5,233.84	5,142.79	91.05	57.486		
11,200.00	7,136.95	6,600.00	6,565.05	125.76	30.30	-76.42	-1,939.31	-7,590.00	5,145.48	5,052.49	93.00	55.330		
11,300.00	7,137.14	6,600.00	6,565.05	128.52	30.30	-76.42	-1,939.31	-7,590.00	5,057.56	4,962.53	95.03	53.220		
11,400.00	7,137.33	6,600.00	6,565.05	131.27	30.30	-76.42	-1,939.31	-7,590.00	4,970.10	4,872.95	97.15	51.159		
11,500.00	7,137.53	6,600.00	6,565.05	134.03	30.30	-76.42	-1,939.31	-7,590.00	4,883.12	4,783.76	99.36	49.146		
11,600.00	7,137.72	6,600.00	6,565.05	136.80	30.30	-76.42	-1,939.31	-7,590.00	4,796.65	4,694.99	101.66	47.183		
11,700.00	7,137.92	6,600.00	6,565.05	139.57	30.30	-76.42	-1,939.31	-7,590.00	4,710.71	4,606.65	104.06	45.271		
11,800.00	7,138.11	6,600.00	6,565.05	142.34	30.30	-76.42	-1,939.31	-7,590.00	4,625.34	4,518.79	106.55	43.411		
11,900.00	7,138.30	6,600.00	6,565.05	145.12	30.30	-76.42	-1,939.31	-7,590.00	4,540.56	4,431.42	109.14	41.603		
12,000.00	7,138.50	6,600.00	6,565.05	147.90	30.30	-76.42	-1,939.31	-7,590.00	4,456.42	4,344.58	111.84	39.847		
12,100.00	7,138.69	6,600.00	6,565.05	150.68	30.30	-76.42	-1,939.31	-7,590.00	4,372.94	4,258.29	114.64	38.143		
12,200.00	7,138.88	6,600.00	6,565.05	153.47	30.30	-76.42	-1,939.31	-7,590.00	4,290.17	4,172.61	117.56	36.493		
12,300.00	7,139.08	6,600.00	6,565.05	156.26	30.30	-76.42	-1,939.31	-7,590.00	4,208.15	4,087.56	120.59	34.896		
12,400.00	7,139.27	6,600.00	6,565.05	159.05	30.30	-76.42	-1,939.31	-7,590.00	4,126.92	4,003.18	123.74	33.352		
12,500.00	7,139.47	6,600.00	6,565.05	161.85	30.30	-76.42	-1,939.31	-7,590.00	4,046.53	3,919.52	127.01	31.860		
12,600.00	7,139.66	6,600.00	6,565.05	164.64	30.30	-76.42	-1,939.31	-7,590.00	3,967.04	3,836.63	130.40	30.421		
12,700.00	7,139.85	6,600.00	6,565.05	167.44	30.30	-76.42	-1,939.31	-7,590.00	3,888.49	3,754.56	133.92	29.035		
12,800.00	7,140.05	6,600.00	6,565.05	170.24	30.30	-76.42	-1,939.31	-7,590.00	3,810.94	3,673.37	137.58	27.701		
12,900.00	7,140.24	6,600.00	6,565.05	173.05	30.30	-76.42	-1,939.31	-7,590.00	3,734.47	3,593.10	141.36	26.418		
13,000.00	7,140.44	6,600.00	6,565.05	175.85	30.30	-76.42	-1,939.31	-7,590.00	3,659.12	3,513.84	145.28	25.186		
13,100.00	7,140.63	6,600.00	6,565.05	178.66	30.30	-76.42	-1,939.31	-7,590.00	3,584.99	3,435.65	149.34	24.006		
13,200.00	7,140.82	6,600.00	6,565.05	181.47	30.30	-76.42	-1,939.31	-7,590.00	3,512.14	3,358.60	153.54	22.875		
13,300.00	7,141.02	6,600.00	6,565.05	184.28	30.30	-76.42	-1,939.31	-7,590.00	3,440.65	3,282.78	157.87	21.794		
13,400.00	7,141.21	6,600.00	6,565.05	187.10	30.30	-76.42	-1,939.31	-7,590.00	3,370.61	3,208.26	162.35	20.762		
13,500.00	7,141.41	6,600.00	6,565.05	189.91	30.30	-76.42	-1,939.31	-7,590.00	3,302.11	3,135.16	166.96	19.778		
13,600.00	7,141.60	6,600.00	6,565.05	192.73	30.30	-76.42	-1,939.31	-7,590.00	3,235.26	3,063.56	171.70	18.842		
13,700.00	7,141.79	6,600.00	6,565.05	195.54	30.30	-76.42	-1,939.31	-7,590.00	3,170.15	2,993.58	176.58	17.953		
13,800.00	7,141.99	6,600.00	6,565.05	198.36	30.30	-76.42	-1,939.31	-7,590.00	3,106.90	2,925.32	181.58	17.111		
13,900.00	7,142.18	6,600.00	6,565.05	201.18	30.30	-76.42	-1,939.31	-7,590.00	3,045.62	2,858.93	186.69	16.314		
14,000.00	7,142.37	6,600.00	6,565.05	204.01	30.30	-76.42	-1,939.31	-7,590.00	2,986.43	2,794.51	191.91	15.561		
14,100.00	7,142.57	6,600.00	6,565.05	206.83	30.30	-76.42	-1,939.31	-7,590.00	2,929.45	2,732.23	197.23	14.853		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	6,600.00	6,565.05	209.65	30.30	-76.42	-1,939.31	-7,590.00	2,874.83	2,672.21	202.62	14.188		
14,300.00	7,142.96	6,600.00	6,565.05	212.48	30.30	-76.42	-1,939.31	-7,590.00	2,822.69	2,614.62	208.07	13.566		
14,400.00	7,143.15	6,600.00	6,565.05	215.30	30.30	-76.42	-1,939.31	-7,590.00	2,773.19	2,559.62	213.57	12.985		
14,500.00	7,143.34	6,600.00	6,565.05	218.13	30.30	-76.42	-1,939.31	-7,590.00	2,726.45	2,507.37	219.07	12.445		
14,600.00	7,143.54	6,600.00	6,565.05	220.96	30.30	-76.42	-1,939.31	-7,590.00	2,682.62	2,458.05	224.57	11.946		
14,700.00	7,143.73	6,600.00	6,565.05	223.79	30.30	-76.42	-1,939.31	-7,590.00	2,641.86	2,411.83	230.03	11.485		
14,800.00	7,143.93	6,600.00	6,565.05	226.62	30.30	-76.42	-1,939.31	-7,590.00	2,604.30	2,368.90	235.40	11.063		
14,838.32	7,144.00	6,600.00	6,565.05	227.70	30.30	-76.42	-1,939.31	-7,590.00	2,590.79	2,353.35	237.44	10.911		
14,900.00	7,144.12	6,600.00	6,565.05	229.45	30.30	-76.31	-1,939.31	-7,590.00	2,569.48	2,328.82	240.66	10.677		
15,000.00	7,144.32	6,600.00	6,565.05	232.26	30.30	-76.13	-1,939.31	-7,590.00	2,535.13	2,289.45	245.68	10.319		
15,027.81	7,144.37	6,600.00	6,565.05	233.04	30.30	-76.08	-1,939.31	-7,590.00	2,525.63	2,278.59	247.04	10.224		
15,100.00	7,144.51	6,600.00	6,565.05	235.07	30.30	-76.08	-1,939.31	-7,590.00	2,501.92	2,251.44	250.48	9.988		
15,200.00	7,144.71	6,600.00	6,565.05	237.87	30.30	-76.08	-1,939.31	-7,590.00	2,472.18	2,217.10	255.08	9.692		
15,300.00	7,144.91	6,600.00	6,565.05	240.68	30.30	-76.08	-1,939.31	-7,590.00	2,446.18	2,186.72	259.46	9.428		
15,400.00	7,145.10	6,600.00	6,565.05	243.48	30.30	-76.08	-1,939.31	-7,590.00	2,424.02	2,160.46	263.56	9.197		
15,500.00	7,145.30	6,600.00	6,565.05	246.29	30.30	-76.08	-1,939.31	-7,590.00	2,405.82	2,138.47	267.35	8.999		
15,600.00	7,145.50	6,600.00	6,565.05	249.10	30.30	-76.08	-1,939.31	-7,590.00	2,391.66	2,120.87	270.79	8.832		
15,700.00	7,145.69	6,600.00	6,565.05	251.91	30.30	-76.08	-1,939.31	-7,590.00	2,381.63	2,107.76	273.87	8.696		
15,800.00	7,145.89	6,600.00	6,565.05	254.71	30.30	-76.08	-1,939.31	-7,590.00	2,375.76	2,099.22	276.54	8.591		
15,889.54	7,146.07	6,600.00	6,565.05	257.23	30.30	-76.08	-1,939.31	-7,590.00	2,374.07	2,095.49	278.58	8.522 CC		
15,900.00	7,146.09	6,600.00	6,565.05	257.52	30.30	-76.08	-1,939.31	-7,590.00	2,374.10	2,095.30	278.80	8.516 ES		
16,000.00	7,146.28	6,600.00	6,565.05	260.34	30.30	-76.08	-1,939.31	-7,590.00	2,376.64	2,096.03	280.61	8.469		
16,100.00	7,146.48	6,600.00	6,565.05	263.15	30.30	-76.08	-1,939.31	-7,590.00	2,383.38	2,101.39	281.99	8.452 SF		
16,200.00	7,146.68	6,600.00	6,565.05	265.96	30.30	-76.08	-1,939.31	-7,590.00	2,394.29	2,111.35	282.93	8.462		
16,300.00	7,146.87	6,600.00	6,565.05	268.77	30.30	-76.08	-1,939.31	-7,590.00	2,409.29	2,125.85	283.44	8.500		
16,400.00	7,147.07	6,600.00	6,565.05	271.58	30.30	-76.08	-1,939.31	-7,590.00	2,428.33	2,144.80	283.53	8.565		
16,500.00	7,147.27	6,600.00	6,565.05	274.40	30.30	-76.08	-1,939.31	-7,590.00	2,451.30	2,168.08	283.22	8.655		
16,600.00	7,147.46	6,600.00	6,565.05	277.21	30.30	-76.08	-1,939.31	-7,590.00	2,478.10	2,195.56	282.53	8.771		
16,700.00	7,147.66	6,600.00	6,565.05	280.03	30.30	-76.08	-1,939.31	-7,590.00	2,508.60	2,227.10	281.50	8.912		
16,800.00	7,147.86	6,600.00	6,565.05	282.84	30.30	-76.08	-1,939.31	-7,590.00	2,542.67	2,262.52	280.15	9.076		
16,900.00	7,148.05	6,600.00	6,565.05	285.66	30.30	-76.08	-1,939.31	-7,590.00	2,580.16	2,301.65	278.51	9.264		
17,000.00	7,148.25	6,600.00	6,565.05	288.48	30.30	-76.08	-1,939.31	-7,590.00	2,620.94	2,344.32	276.62	9.475		
17,100.00	7,148.45	6,600.00	6,565.05	291.29	30.30	-76.08	-1,939.31	-7,590.00	2,664.85	2,390.34	274.51	9.708		
17,200.00	7,148.64	6,600.00	6,565.05	294.11	30.30	-76.08	-1,939.31	-7,590.00	2,711.74	2,439.53	272.21	9.962		
17,300.00	7,148.84	6,600.00	6,565.05	296.93	30.30	-76.08	-1,939.31	-7,590.00	2,761.45	2,491.70	269.75	10.237		
17,400.00	7,149.04	6,611.11	6,575.82	299.75	30.33	-76.35	-1,942.01	-7,590.09	2,813.76	2,546.27	267.50	10.519		
17,500.00	7,149.23	6,611.75	6,576.45	302.57	30.34	-76.37	-1,942.18	-7,590.10	2,868.68	2,603.86	264.82	10.833		
17,600.00	7,149.43	6,612.41	6,577.08	305.39	30.34	-76.38	-1,942.34	-7,590.11	2,925.98	2,663.92	262.06	11.165		
17,700.00	7,149.63	6,613.08	6,577.73	308.21	30.34	-76.40	-1,942.51	-7,590.11	2,985.53	2,726.29	259.24	11.516		
17,800.00	7,149.82	6,613.76	6,578.39	311.03	30.34	-76.41	-1,942.68	-7,590.12	3,047.20	2,790.81	256.39	11.885		
17,900.00	7,150.02	6,614.46	6,579.06	313.85	30.34	-76.43	-1,942.86	-7,590.13	3,110.86	2,857.35	253.51	12.271		
18,000.00	7,150.22	6,615.17	6,579.75	316.67	30.35	-76.45	-1,943.04	-7,590.13	3,176.39	2,925.77	250.62	12.674		
18,100.00	7,150.41	6,615.89	6,580.45	319.49	30.35	-76.47	-1,943.23	-7,590.14	3,243.69	2,995.94	247.74	13.093		
18,200.00	7,150.61	6,616.63	6,581.16	322.32	30.35	-76.48	-1,943.42	-7,590.15	3,312.63	3,067.75	244.88	13.528		
18,300.00	7,150.81	6,617.38	6,581.88	325.14	30.35	-76.50	-1,943.61	-7,590.16	3,383.13	3,141.08	242.05	13.977		
18,400.00	7,151.00	6,618.14	6,582.62	327.96	30.36	-76.52	-1,943.81	-7,590.17	3,455.08	3,215.83	239.24	14.442		
18,500.00	7,151.20	6,618.92	6,583.37	330.78	30.36	-76.54	-1,944.01	-7,590.18	3,528.39	3,291.91	236.48	14.920		
18,600.00	7,151.40	6,619.71	6,584.14	333.61	30.36	-76.56	-1,944.22	-7,590.19	3,602.99	3,369.22	233.77	15.413		
18,700.00	7,151.59	6,620.53	6,584.92	336.43	30.36	-76.58	-1,944.43	-7,590.20	3,678.80	3,447.69	231.11	15.918		
18,800.00	7,151.79	6,621.35	6,585.72	339.26	30.37	-76.60	-1,944.65	-7,590.21	3,755.74	3,527.24	228.50	16.437		
18,906.26	7,152.00	6,632.00	6,595.97	342.26	30.40	-76.85	-1,947.53	-7,590.35	3,838.70	3,612.66	226.04	16.983		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-107.06	-2,182.26	-7,112.41	7,439.67					
100.00	100.00	112.73	112.73	3.28	3.29	-107.06	-2,182.44	-7,112.17	7,439.53	7,432.95	6.57	1,131.646		
200.00	200.00	203.45	203.45	3.34	3.33	-107.06	-2,182.92	-7,111.73	7,439.22	7,432.55	6.67	1,115.890		
204.81	204.81	207.21	207.21	3.34	3.33	172.94	-2,182.95	-7,111.71	7,439.22	7,432.54	6.67	1,114.757		
300.00	299.98	262.42	262.41	3.44	3.38	172.93	-2,183.46	-7,111.56	7,440.99	7,434.16	6.83	1,089.989		
400.00	399.84	306.08	306.07	3.60	3.43	172.91	-2,183.84	-7,111.79	7,446.93	7,439.89	7.04	1,058.183		
500.00	499.45	451.23	451.20	3.81	3.67	172.89	-2,185.27	-7,112.92	7,456.71	7,449.24	7.48	997.383		
600.00	598.70	580.25	580.22	4.06	3.95	172.86	-2,187.06	-7,112.70	7,469.03	7,461.02	8.01	932.623		
700.00	697.47	711.18	711.14	4.34	4.30	172.83	-2,188.55	-7,112.15	7,484.49	7,475.85	8.64	866.463		
785.50	781.43	779.40	779.35	4.61	4.50	172.80	-2,189.54	-7,111.73	7,500.32	7,491.22	9.10	823.813		
800.00	795.63	793.41	793.35	4.66	4.54	172.80	-2,189.77	-7,111.64	7,503.23	7,494.03	9.20	815.826		
900.00	893.55	935.12	935.05	5.02	5.00	172.81	-2,191.82	-7,110.54	7,523.09	7,513.11	9.97	754.213		
1,000.00	991.47	1,041.72	1,041.64	5.40	5.35	172.82	-2,193.00	-7,109.23	7,542.39	7,531.71	10.68	706.074		
1,100.00	1,089.39	1,125.26	1,125.16	5.80	5.65	172.83	-2,193.37	-7,108.50	7,561.84	7,550.51	11.34	666.996		
1,200.00	1,187.31	1,225.13	1,225.03	6.21	6.00	172.85	-2,193.68	-7,107.80	7,581.42	7,569.35	12.07	627.936		
1,300.00	1,285.22	1,310.38	1,310.29	6.64	6.32	172.86	-2,193.99	-7,107.18	7,600.99	7,588.22	12.78	594.901		
1,400.00	1,383.14	1,418.20	1,418.10	7.08	6.72	172.87	-2,194.37	-7,106.57	7,620.72	7,607.14	13.58	561.105		
1,500.00	1,481.06	1,522.57	1,522.46	7.52	7.12	172.89	-2,194.36	-7,105.85	7,640.21	7,625.82	14.39	531.123		
1,600.00	1,578.98	1,634.53	1,634.43	7.98	7.55	172.91	-2,194.32	-7,104.98	7,659.62	7,644.39	15.23	502.878		
1,700.00	1,676.90	1,709.29	1,709.19	8.44	7.84	172.93	-2,194.31	-7,104.44	7,679.09	7,663.14	15.94	481.717		
1,800.00	1,774.82	1,813.05	1,812.93	8.90	8.25	172.94	-2,194.58	-7,103.76	7,698.70	7,681.92	16.78	458.827		
1,900.00	1,872.74	1,869.64	1,869.53	9.37	8.47	172.95	-2,194.78	-7,103.46	7,718.47	7,701.05	17.42	443.043		
2,000.00	1,970.66	1,917.00	1,916.89	9.84	8.66	172.96	-2,194.65	-7,103.59	7,738.83	7,720.80	18.03	429.266		
2,100.00	2,068.57	1,981.92	1,981.80	10.32	8.90	172.98	-2,193.99	-7,104.29	7,759.70	7,741.01	18.70	414.984		
2,200.00	2,166.49	2,051.16	2,051.02	10.80	9.16	173.01	-2,192.62	-7,105.58	7,781.03	7,761.64	19.39	401.280		
2,300.00	2,264.41	2,146.22	2,146.98	11.28	9.53	173.05	-2,198.28	-7,108.03	7,802.60	7,782.41	20.19	386.427		
2,400.00	2,362.33	2,306.47	2,305.89	11.76	10.15	173.16	-2,179.92	-7,112.56	7,823.79	7,802.52	21.27	367.810		
2,500.00	2,460.25	2,412.36	2,411.47	12.24	10.57	173.24	-2,172.24	-7,115.37	7,844.39	7,822.26	22.14	354.338		
2,600.00	2,558.17	2,472.26	2,471.14	12.73	10.81	173.29	-2,167.47	-7,117.25	7,865.28	7,842.46	22.81	344.756		
2,700.00	2,656.09	2,593.36	2,591.70	13.22	11.31	173.39	-2,156.83	-7,121.55	7,886.35	7,862.59	23.76	331.921		
2,800.00	2,754.01	2,687.47	2,685.29	13.71	11.70	173.48	-2,147.59	-7,124.97	7,907.22	7,882.63	24.60	321.472		
2,900.00	2,851.92	2,762.05	2,759.37	14.20	12.01	173.56	-2,139.51	-7,128.03	7,928.27	7,902.92	25.35	312.727		
3,000.00	2,949.84	2,834.47	2,831.24	14.69	12.32	173.64	-2,131.21	-7,131.35	7,949.62	7,923.52	26.10	304.567		
3,100.00	3,047.76	2,911.91	2,908.09	15.18	12.66	173.72	-2,122.50	-7,135.09	7,971.27	7,944.40	26.88	296.589		
3,200.00	3,145.68	2,983.99	2,979.67	15.67	12.97	173.79	-2,114.85	-7,138.59	7,993.17	7,965.54	27.63	289.306		
3,300.00	3,243.60	3,039.33	3,034.63	16.17	13.21	173.85	-2,109.04	-7,141.53	8,015.52	7,987.21	28.30	283.200		
3,400.00	3,341.52	3,115.86	3,110.61	16.66	13.55	173.92	-2,101.02	-7,145.93	8,038.30	8,009.22	29.08	276.420		
3,500.00	3,439.44	3,240.58	3,234.51	17.16	14.10	174.05	-2,088.47	-7,152.92	8,061.11	8,031.02	30.09	267.889		
3,600.00	3,537.36	3,398.46	3,391.45	17.65	14.80	174.19	-2,073.05	-7,160.38	8,083.08	8,051.81	31.27	258.507		
3,700.00	3,635.27	3,522.95	3,515.15	18.15	15.36	174.31	-2,060.18	-7,166.01	8,104.85	8,072.56	32.29	250.999		
3,800.00	3,733.19	3,605.15	3,596.82	18.65	15.73	174.39	-2,051.60	-7,169.60	8,126.45	8,093.34	33.11	245.447		
3,900.00	3,831.11	3,669.35	3,660.60	19.14	16.02	174.45	-2,044.96	-7,172.58	8,148.35	8,114.51	33.84	240.799		
4,000.00	3,929.03	3,731.26	3,722.10	19.64	16.31	174.51	-2,038.62	-7,175.74	8,170.71	8,136.16	34.56	236.441		
4,100.00	4,026.95	3,818.00	3,808.29	20.14	16.70	174.59	-2,029.92	-7,180.27	8,193.28	8,157.88	35.40	231.445		
4,200.00	4,124.87	3,882.53	3,872.37	20.64	17.00	174.65	-2,023.26	-7,183.87	8,216.14	8,180.00	36.13	227.380		
4,300.00	4,222.79	3,952.34	3,941.61	21.14	17.32	174.72	-2,015.47	-7,188.26	8,239.43	8,202.54	36.90	223.315		
4,400.00	4,320.71	4,044.73	4,033.19	21.64	17.76	174.82	-2,004.87	-7,194.31	8,262.93	8,225.15	37.78	218.720		
4,500.00	4,418.62	4,229.38	4,216.16	22.14	18.63	175.02	-1,982.74	-7,205.61	8,285.94	8,246.78	39.15	211.644		
4,600.00	4,516.54	4,312.38	4,298.50	22.64	19.03	175.10	-1,973.29	-7,210.20	8,308.55	8,268.56	39.99	207.775		
4,700.00	4,614.46	4,534.39	4,518.97	23.14	20.07	175.31	-1,949.48	-7,220.48	8,330.52	8,288.97	41.55	200.500		
4,800.00	4,712.38	4,673.54	4,657.27	23.64	20.72	175.43	-1,934.91	-7,225.52	8,351.66	8,308.99	42.68	195.696		
4,900.00	4,810.30	4,741.19	4,724.58	24.14	21.04	175.49	-1,928.51	-7,227.68	8,372.61	8,329.17	43.43	192.774		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,839.53	4,822.56	24.64	21.49	175.55	-1,920.64	-7,230.68	8,393.79	8,349.45	44.34	189.311		
5,100.00	5,006.14	4,914.56	4,897.39	25.14	21.82	175.60	-1,915.56	-7,232.73	8,415.00	8,369.88	45.12	186.496		
5,200.00	5,104.06	5,035.54	5,018.16	25.64	22.36	175.66	-1,909.26	-7,235.84	8,436.46	8,390.34	46.13	182.900		
5,300.00	5,201.97	5,208.68	5,191.23	26.14	23.10	175.71	-1,904.84	-7,237.22	8,456.62	8,409.25	47.36	178.556		
5,400.00	5,299.89	5,274.85	5,257.39	26.64	23.37	175.73	-1,903.98	-7,237.57	8,477.05	8,428.97	48.08	176.306		
5,500.00	5,397.81	5,338.00	5,320.54	27.15	23.64	175.74	-1,903.39	-7,238.09	8,497.85	8,449.06	48.79	174.188		
5,600.00	5,495.73	5,395.33	5,377.86	27.65	23.87	175.75	-1,903.04	-7,238.77	8,519.09	8,469.63	49.46	172.247		
5,700.00	5,593.65	5,449.66	5,432.18	28.15	24.10	175.75	-1,902.86	-7,239.66	8,540.81	8,490.70	50.12	170.424		
5,800.00	5,691.57	5,502.57	5,485.08	28.65	24.31	175.76	-1,902.79	-7,240.79	8,563.04	8,512.28	50.76	168.690		
5,900.00	5,789.49	5,735.58	5,718.04	29.15	25.25	175.77	-1,906.29	-7,243.51	8,584.75	8,532.51	52.24	164.331		
6,000.00	5,887.41	5,844.91	5,827.35	29.66	25.68	175.77	-1,908.33	-7,243.71	8,605.60	8,552.46	53.14	161.933		
6,100.00	5,985.32	5,937.55	5,919.98	30.16	26.05	175.77	-1,909.53	-7,243.97	8,626.43	8,572.45	53.97	159.830		
6,200.00	6,083.24	6,022.43	6,004.85	30.66	26.39	175.77	-1,910.34	-7,244.40	8,647.38	8,592.61	54.77	157.890		
6,300.00	6,181.16	6,113.95	6,096.37	31.16	26.76	175.78	-1,911.10	-7,244.99	8,668.43	8,612.83	55.60	155.915		
6,400.00	6,279.08	6,201.83	6,184.24	31.67	27.12	175.78	-1,911.89	-7,245.62	8,689.57	8,633.16	56.41	154.045		
6,490.03	6,367.24	6,280.62	6,263.02	32.12	27.44	175.79	-1,912.59	-7,246.28	8,708.70	8,651.56	57.14	152.410		
6,500.00	6,377.01	6,289.35	6,271.76	32.17	27.48	176.76	-1,912.66	-7,246.36	8,710.75	8,653.53	57.22	152.232		
6,550.00	6,426.43	6,328.19	6,310.60	32.40	27.64	-174.62	-1,912.91	-7,246.76	8,718.84	8,661.24	57.60	151.381		
6,600.00	6,476.27	6,367.55	6,349.95	32.61	27.80	-139.86	-1,913.05	-7,247.24	8,723.23	8,665.27	57.96	150.505		
6,650.00	6,526.21	6,428.38	6,410.77	32.80	28.05	-53.63	-1,913.14	-7,248.03	8,723.85	8,665.44	58.41	149.356		
6,700.00	6,575.96	6,445.00	6,427.39	32.98	28.12	-32.67	-1,913.16	-7,248.23	8,720.70	8,662.07	58.63	148.752		
6,750.00	6,625.19	6,477.00	6,459.39	33.16	28.25	-26.56	-1,913.56	-7,248.69	8,713.97	8,655.07	58.90	147.947		
6,800.00	6,673.62	6,477.00	6,459.39	33.35	28.25	-23.90	-1,913.56	-7,248.69	8,703.70	8,644.70	59.00	147.514		
6,850.00	6,720.94	6,489.60	6,471.98	33.55	28.30	-22.59	-1,913.96	-7,248.91	8,689.99	8,630.84	59.15	146.914		
6,900.00	6,766.86	6,509.00	6,491.35	33.76	28.38	-22.01	-1,914.93	-7,249.30	8,672.92	8,613.61	59.32	146.217		
6,950.00	6,811.10	6,509.00	6,491.35	33.98	28.38	-21.85	-1,914.93	-7,249.30	8,652.52	8,593.15	59.37	145.731		
7,000.00	6,853.38	6,509.00	6,491.35	34.23	28.38	-22.04	-1,914.93	-7,249.30	8,628.98	8,569.57	59.42	145.228		
7,050.00	6,893.45	6,523.33	6,505.64	34.50	28.44	-22.56	-1,915.93	-7,249.63	8,602.36	8,542.85	59.52	144.536		
7,100.00	6,931.05	6,541.00	6,523.23	34.79	28.51	-23.39	-1,917.51	-7,250.11	8,572.90	8,513.27	59.62	143.782		
7,150.00	6,965.96	6,541.00	6,523.23	35.12	28.51	-24.49	-1,917.51	-7,250.11	8,540.61	8,480.97	59.64	143.206		
7,200.00	6,997.96	6,541.00	6,523.23	35.47	28.51	-25.95	-1,917.51	-7,250.11	8,505.78	8,446.13	59.65	142.602		
7,250.00	7,026.85	6,541.00	6,523.23	35.86	28.51	-27.83	-1,917.51	-7,250.11	8,468.58	8,408.93	59.65	141.966		
7,300.00	7,052.45	6,541.00	6,523.23	36.29	28.51	-30.26	-1,917.51	-7,250.11	8,429.22	8,369.57	59.66	141.296		
7,350.00	7,074.61	6,557.09	6,539.21	36.76	28.57	-33.51	-1,919.28	-7,250.61	8,387.84	8,328.10	59.74	140.405		
7,400.00	7,093.19	6,572.00	6,554.00	37.27	28.62	-37.74	-1,921.18	-7,251.12	8,344.81	8,284.98	59.82	139.490		
7,450.00	7,108.07	6,572.00	6,554.00	37.81	28.62	-43.13	-1,921.18	-7,251.12	8,300.24	8,240.40	59.84	138.704		
7,500.00	7,119.17	6,572.00	6,554.00	38.39	28.62	-50.25	-1,921.18	-7,251.12	8,254.46	8,194.59	59.87	137.878		
7,550.00	7,126.41	6,572.00	6,554.00	38.99	28.62	-59.62	-1,921.18	-7,251.12	8,207.73	8,147.82	59.91	137.012		
7,600.00	7,129.75	6,572.00	6,554.00	39.62	28.62	-71.58	-1,921.18	-7,251.12	8,160.32	8,100.37	59.96	136.107		
7,616.41	7,130.00	6,572.00	6,554.00	39.83	28.62	-76.04	-1,921.18	-7,251.12	8,144.67	8,084.69	59.98	135.800		
7,700.00	7,130.16	6,572.00	6,554.00	40.97	28.62	-76.04	-1,921.18	-7,251.12	8,064.85	8,004.76	60.09	134.224		
7,800.00	7,130.35	6,572.00	6,554.00	42.46	28.62	-76.04	-1,921.18	-7,251.12	7,969.47	7,909.23	60.24	132.288		
7,900.00	7,130.55	6,572.00	6,554.00	44.09	28.62	-76.04	-1,921.18	-7,251.12	7,874.20	7,813.77	60.43	130.296		
8,000.00	7,130.74	6,572.00	6,554.00	45.84	28.62	-76.04	-1,921.18	-7,251.12	7,779.06	7,718.40	60.66	128.250		
8,100.00	7,130.94	6,572.00	6,554.00	47.70	28.62	-76.04	-1,921.18	-7,251.12	7,684.03	7,623.12	60.91	126.149		
8,200.00	7,131.13	6,572.00	6,554.00	49.65	28.62	-76.04	-1,921.18	-7,251.12	7,589.14	7,527.93	61.21	123.995		
8,300.00	7,131.32	6,572.00	6,554.00	51.70	28.62	-76.04	-1,921.18	-7,251.12	7,494.38	7,432.84	61.54	121.790		
8,400.00	7,131.52	6,572.00	6,554.00	53.81	28.62	-76.04	-1,921.18	-7,251.12	7,399.75	7,337.85	61.90	119.535		
8,500.00	7,131.71	6,572.00	6,554.00	55.99	28.62	-76.04	-1,921.18	-7,251.12	7,305.27	7,242.96	62.31	117.233		
8,600.00	7,131.90	6,572.00	6,554.00	58.24	28.62	-76.04	-1,921.18	-7,251.12	7,210.94	7,148.17	62.77	114.886		
8,700.00	7,132.10	6,572.00	6,554.00	60.53	28.62	-76.04	-1,921.18	-7,251.12	7,116.76	7,053.50	63.26	112.497		
8,800.00	7,132.29	6,572.00	6,554.00	62.87	28.62	-76.04	-1,921.18	-7,251.12	7,022.74	6,958.94	63.80	110.071		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	6,572.00	6,554.00	65.25	28.62	-76.04	-1,921.18	-7,251.12	6,928.89	6,864.50	64.39	107.610		
9,000.00	7,132.68	6,572.00	6,554.00	67.68	28.62	-76.04	-1,921.18	-7,251.12	6,835.22	6,770.19	65.02	105.118		
9,100.00	7,132.87	6,572.00	6,554.00	70.13	28.62	-76.04	-1,921.18	-7,251.12	6,741.72	6,676.02	65.71	102.600		
9,200.00	7,133.07	6,572.00	6,554.00	72.61	28.62	-76.04	-1,921.18	-7,251.12	6,648.42	6,581.98	66.44	100.060		
9,300.00	7,133.26	6,572.00	6,554.00	75.13	28.62	-76.04	-1,921.18	-7,251.12	6,555.31	6,488.08	67.23	97.503		
9,400.00	7,133.46	6,572.00	6,554.00	77.66	28.62	-76.04	-1,921.18	-7,251.12	6,462.41	6,394.34	68.07	94.933		
9,500.00	7,133.65	6,584.02	6,565.89	80.22	28.67	-76.32	-1,922.90	-7,251.55	6,369.68	6,300.63	69.05	92.248		
9,600.00	7,133.84	6,584.87	6,566.72	82.80	28.67	-76.34	-1,923.03	-7,251.58	6,277.21	6,207.20	70.01	89.662		
9,700.00	7,134.04	6,585.72	6,567.56	85.40	28.67	-76.36	-1,923.16	-7,251.61	6,184.98	6,113.95	71.03	87.077		
9,800.00	7,134.23	6,586.57	6,568.40	88.01	28.68	-76.38	-1,923.29	-7,251.65	6,092.99	6,020.88	72.11	84.499		
9,900.00	7,134.43	6,587.42	6,569.25	90.64	28.68	-76.40	-1,923.42	-7,251.68	6,001.25	5,928.00	73.25	81.932		
10,000.00	7,134.62	6,588.28	6,570.09	93.28	28.68	-76.43	-1,923.55	-7,251.71	5,909.79	5,835.33	74.45	79.379		
10,100.00	7,134.81	6,589.14	6,570.94	95.94	28.69	-76.45	-1,923.69	-7,251.74	5,818.60	5,742.88	75.72	76.846		
10,200.00	7,135.01	6,590.01	6,571.80	98.61	28.69	-76.47	-1,923.82	-7,251.77	5,727.71	5,650.65	77.05	74.335		
10,300.00	7,135.20	6,590.87	6,572.65	101.28	28.69	-76.49	-1,923.96	-7,251.81	5,637.12	5,558.67	78.45	71.852		
10,400.00	7,135.39	6,591.74	6,573.51	103.97	28.70	-76.51	-1,924.10	-7,251.84	5,546.86	5,466.93	79.93	69.399		
10,500.00	7,135.59	6,592.62	6,574.37	106.67	28.70	-76.53	-1,924.23	-7,251.87	5,456.94	5,375.46	81.47	66.979		
10,600.00	7,135.78	6,604.00	6,585.59	109.38	28.74	-76.80	-1,926.13	-7,252.30	5,367.41	5,284.23	83.18	64.529		
10,700.00	7,135.98	6,604.00	6,585.59	112.09	28.74	-76.80	-1,926.13	-7,252.30	5,278.21	5,193.34	84.87	62.194		
10,800.00	7,136.17	6,604.00	6,585.59	114.81	28.74	-76.80	-1,926.13	-7,252.30	5,189.41	5,102.77	86.64	59.900		
10,900.00	7,136.36	6,604.00	6,585.59	117.54	28.74	-76.80	-1,926.13	-7,252.30	5,101.01	5,012.53	88.48	57.649		
11,000.00	7,136.56	6,604.00	6,585.59	120.28	28.74	-76.80	-1,926.13	-7,252.30	5,013.06	4,922.64	90.41	55.445		
11,100.00	7,136.75	6,604.00	6,585.59	123.02	28.74	-76.80	-1,926.13	-7,252.30	4,925.56	4,833.13	92.43	53.289		
11,200.00	7,136.95	6,604.00	6,585.59	125.76	28.74	-76.80	-1,926.13	-7,252.30	4,838.55	4,744.02	94.54	51.181		
11,300.00	7,137.14	6,604.00	6,585.59	128.52	28.74	-76.80	-1,926.13	-7,252.30	4,752.05	4,655.32	96.73	49.125		
11,400.00	7,137.33	6,604.00	6,585.59	131.27	28.74	-76.80	-1,926.13	-7,252.30	4,666.09	4,567.07	99.03	47.120		
11,500.00	7,137.53	6,604.00	6,585.59	134.03	28.74	-76.80	-1,926.13	-7,252.30	4,580.70	4,479.29	101.41	45.169		
11,600.00	7,137.72	6,604.00	6,585.59	136.80	28.74	-76.80	-1,926.13	-7,252.30	4,495.92	4,392.02	103.90	43.271		
11,700.00	7,137.92	6,604.00	6,585.59	139.57	28.74	-76.80	-1,926.13	-7,252.30	4,411.77	4,305.27	106.49	41.427		
11,800.00	7,138.11	6,604.00	6,585.59	142.34	28.74	-76.80	-1,926.13	-7,252.30	4,328.29	4,219.10	109.19	39.639		
11,900.00	7,138.30	6,604.00	6,585.59	145.12	28.74	-76.80	-1,926.13	-7,252.30	4,245.53	4,133.53	112.00	37.906		
12,000.00	7,138.50	6,604.00	6,585.59	147.90	28.74	-76.80	-1,926.13	-7,252.30	4,163.53	4,048.60	114.93	36.228		
12,100.00	7,138.69	6,604.00	6,585.59	150.68	28.74	-76.80	-1,926.13	-7,252.30	4,082.32	3,964.36	117.97	34.606		
12,200.00	7,138.88	6,604.00	6,585.59	153.47	28.74	-76.80	-1,926.13	-7,252.30	4,001.97	3,880.84	121.13	33.039		
12,300.00	7,139.08	6,604.00	6,585.59	156.26	28.74	-76.80	-1,926.13	-7,252.30	3,922.52	3,798.11	124.41	31.529		
12,400.00	7,139.27	6,604.00	6,585.59	159.05	28.74	-76.80	-1,926.13	-7,252.30	3,844.04	3,716.21	127.82	30.073		
12,500.00	7,139.47	6,604.00	6,585.59	161.85	28.74	-76.80	-1,926.13	-7,252.30	3,766.57	3,635.20	131.36	28.673		
12,600.00	7,139.66	6,604.00	6,585.59	164.64	28.74	-76.80	-1,926.13	-7,252.30	3,690.18	3,555.14	135.04	27.327		
12,700.00	7,139.85	6,614.20	6,595.62	167.44	28.78	-77.04	-1,927.95	-7,252.70	3,614.90	3,475.92	138.99	26.009		
12,800.00	7,140.05	6,615.26	6,596.66	170.24	28.78	-77.07	-1,928.14	-7,252.74	3,540.88	3,397.93	142.95	24.770		
12,900.00	7,140.24	6,616.32	6,597.70	173.05	28.78	-77.09	-1,928.34	-7,252.78	3,468.17	3,321.11	147.05	23.584		
13,000.00	7,140.44	6,617.37	6,598.73	175.85	28.79	-77.12	-1,928.54	-7,252.81	3,396.84	3,245.54	151.30	22.452		
13,100.00	7,140.63	6,618.42	6,599.75	178.66	28.79	-77.14	-1,928.73	-7,252.85	3,326.98	3,171.31	155.68	21.371		
13,200.00	7,140.82	6,619.45	6,600.77	181.47	28.80	-77.17	-1,928.93	-7,252.89	3,258.70	3,098.50	160.20	20.342		
13,300.00	7,141.02	6,620.48	6,601.78	184.28	28.80	-77.19	-1,929.12	-7,252.93	3,192.09	3,027.24	164.85	19.363		
13,400.00	7,141.21	6,621.51	6,602.79	187.10	28.80	-77.21	-1,929.32	-7,252.97	3,127.26	2,957.62	169.64	18.435		
13,500.00	7,141.41	6,622.53	6,603.79	189.91	28.81	-77.24	-1,929.52	-7,253.01	3,064.31	2,889.76	174.55	17.556		
13,600.00	7,141.60	6,623.54	6,604.78	192.73	28.81	-77.26	-1,929.71	-7,253.04	3,003.38	2,823.80	179.58	16.725		
13,700.00	7,141.79	6,624.54	6,605.76	195.54	28.81	-77.29	-1,929.91	-7,253.08	2,944.58	2,759.87	184.71	15.941		
13,800.00	7,141.99	6,635.00	6,616.00	198.36	28.85	-77.54	-1,932.01	-7,253.46	2,888.11	2,697.98	190.12	15.191		
13,900.00	7,142.18	6,635.00	6,616.00	201.18	28.85	-77.54	-1,932.01	-7,253.46	2,833.96	2,638.55	195.42	14.502		
14,000.00	7,142.37	6,635.00	6,616.00	204.01	28.85	-77.54	-1,932.01	-7,253.46	2,782.36	2,581.59	200.77	13.858		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	6,635.00	6,616.00	206.83	28.85	-77.54	-1,932.01	-7,253.46	2,733.45	2,527.28	206.17	13.258		
14,200.00	7,142.76	6,635.00	6,616.00	209.65	28.85	-77.54	-1,932.01	-7,253.46	2,687.37	2,475.79	211.58	12.702		
14,300.00	7,142.96	6,635.00	6,616.00	212.48	28.85	-77.54	-1,932.01	-7,253.46	2,644.27	2,427.29	216.97	12.187		
14,400.00	7,143.15	6,635.00	6,616.00	215.30	28.85	-77.54	-1,932.01	-7,253.46	2,604.29	2,381.96	222.33	11.714		
14,500.00	7,143.34	6,635.00	6,616.00	218.13	28.85	-77.54	-1,932.01	-7,253.46	2,567.59	2,339.99	227.61	11.281		
14,600.00	7,143.54	6,635.00	6,616.00	220.96	28.85	-77.54	-1,932.01	-7,253.46	2,534.31	2,301.54	232.77	10.887		
14,700.00	7,143.73	6,635.00	6,616.00	223.79	28.85	-77.54	-1,932.01	-7,253.46	2,504.58	2,266.79	237.79	10.533		
14,800.00	7,143.93	6,635.00	6,616.00	226.62	28.85	-77.54	-1,932.01	-7,253.46	2,478.54	2,235.91	242.63	10.215		
14,838.32	7,144.00	6,635.00	6,616.00	227.70	28.85	-77.54	-1,932.01	-7,253.46	2,469.55	2,225.13	244.42	10.104		
14,900.00	7,144.12	6,635.00	6,616.00	229.45	28.85	-77.47	-1,932.01	-7,253.46	2,455.65	2,208.43	247.22	9.933		
15,000.00	7,144.32	6,635.00	6,616.00	232.26	28.85	-77.37	-1,932.01	-7,253.46	2,433.56	2,182.05	251.51	9.676		
15,027.81	7,144.37	6,635.00	6,616.00	233.04	28.85	-77.34	-1,932.01	-7,253.46	2,427.52	2,174.88	252.64	9.609		
15,100.00	7,144.51	6,635.00	6,616.00	235.07	28.85	-77.34	-1,932.01	-7,253.46	2,412.92	2,157.45	255.47	9.445		
15,200.00	7,144.71	6,635.00	6,616.00	237.87	28.85	-77.34	-1,932.01	-7,253.46	2,396.16	2,137.03	259.13	9.247		
15,300.00	7,144.91	6,635.00	6,616.00	240.68	28.85	-77.34	-1,932.01	-7,253.46	2,383.48	2,121.02	262.45	9.082		
15,400.00	7,145.10	6,635.00	6,616.00	243.48	28.85	-77.34	-1,932.01	-7,253.46	2,374.94	2,109.53	265.40	8.948		
15,500.00	7,145.30	6,635.00	6,616.00	246.29	28.85	-77.34	-1,932.01	-7,253.46	2,370.59	2,102.63	267.97	8.847		
15,553.12	7,145.40	6,635.00	6,616.00	247.78	28.85	-77.34	-1,932.01	-7,253.46	2,370.00	2,100.83	269.16	8.805 CC		
15,600.00	7,145.50	6,635.00	6,616.00	249.10	28.85	-77.34	-1,932.01	-7,253.46	2,370.46	2,100.34	270.12	8.776 ES		
15,700.00	7,145.69	6,646.36	6,627.09	251.91	28.89	-77.61	-1,934.42	-7,253.87	2,374.44	2,102.27	272.18	8.724		
15,800.00	7,145.89	6,647.64	6,628.34	254.71	28.89	-77.65	-1,934.70	-7,253.91	2,382.70	2,109.18	273.52	8.711 SF		
15,900.00	7,146.09	6,648.91	6,629.58	257.52	28.90	-77.68	-1,934.99	-7,253.96	2,395.10	2,120.65	274.45	8.727		
16,000.00	7,146.28	6,650.19	6,630.82	260.34	28.90	-77.71	-1,935.27	-7,254.00	2,411.58	2,136.63	274.96	8.771		
16,100.00	7,146.48	6,651.46	6,632.06	263.15	28.91	-77.74	-1,935.55	-7,254.05	2,432.07	2,157.01	275.06	8.842		
16,200.00	7,146.68	6,652.72	6,633.29	265.96	28.91	-77.77	-1,935.84	-7,254.09	2,456.46	2,181.67	274.79	8.939		
16,300.00	7,146.87	6,653.99	6,634.52	268.77	28.92	-77.80	-1,936.12	-7,254.13	2,484.63	2,210.47	274.16	9.063		
16,400.00	7,147.07	6,655.25	6,635.75	271.58	28.92	-77.83	-1,936.41	-7,254.18	2,516.46	2,243.27	273.20	9.211		
16,500.00	7,147.27	6,667.00	6,647.17	274.40	28.96	-78.11	-1,939.17	-7,254.57	2,551.89	2,279.67	272.23	9.374		
16,600.00	7,147.46	6,667.00	6,647.17	277.21	28.96	-78.11	-1,939.17	-7,254.57	2,590.61	2,319.95	270.66	9.572		
16,700.00	7,147.66	6,667.00	6,647.17	280.03	28.96	-78.11	-1,939.17	-7,254.57	2,632.55	2,363.70	268.85	9.792		
16,800.00	7,147.86	6,667.00	6,647.17	282.84	28.96	-78.11	-1,939.17	-7,254.57	2,677.57	2,410.75	266.83	10.035		
16,900.00	7,148.05	6,667.00	6,647.17	285.66	28.96	-78.11	-1,939.17	-7,254.57	2,725.52	2,460.89	264.63	10.299		
17,000.00	7,148.25	6,667.00	6,647.17	288.48	28.96	-78.11	-1,939.17	-7,254.57	2,776.25	2,513.97	262.28	10.585		
17,100.00	7,148.45	6,667.00	6,647.17	291.29	28.96	-78.11	-1,939.17	-7,254.57	2,829.60	2,569.79	259.81	10.891		
17,200.00	7,148.64	6,667.00	6,647.17	294.11	28.96	-78.11	-1,939.17	-7,254.57	2,885.43	2,628.19	257.24	11.217		
17,300.00	7,148.84	6,667.00	6,647.17	296.93	28.96	-78.11	-1,939.17	-7,254.57	2,943.60	2,689.00	254.60	11.562		
17,400.00	7,149.04	6,667.00	6,647.17	299.75	28.96	-78.11	-1,939.17	-7,254.57	3,003.97	2,752.07	251.91	11.925		
17,500.00	7,149.23	6,667.00	6,647.17	302.57	28.96	-78.11	-1,939.17	-7,254.57	3,066.42	2,817.25	249.17	12.306		
17,600.00	7,149.43	6,667.00	6,647.17	305.39	28.96	-78.11	-1,939.17	-7,254.57	3,130.82	2,884.40	246.42	12.705		
17,700.00	7,149.63	6,667.00	6,647.17	308.21	28.96	-78.11	-1,939.17	-7,254.57	3,197.04	2,953.38	243.66	13.121		
17,800.00	7,149.82	6,667.00	6,647.17	311.03	28.96	-78.11	-1,939.17	-7,254.57	3,264.99	3,024.08	240.91	13.553		
17,900.00	7,150.02	6,667.00	6,647.17	313.85	28.96	-78.11	-1,939.17	-7,254.57	3,334.55	3,096.38	238.17	14.001		
18,000.00	7,150.22	6,667.00	6,647.17	316.67	28.96	-78.11	-1,939.17	-7,254.57	3,405.63	3,170.17	235.46	14.464		
18,100.00	7,150.41	6,667.00	6,647.17	319.49	28.96	-78.11	-1,939.17	-7,254.57	3,478.13	3,245.35	232.78	14.942		
18,200.00	7,150.61	6,677.60	6,657.43	322.32	29.00	-78.37	-1,941.79	-7,254.92	3,551.91	3,321.51	230.40	15.416		
18,300.00	7,150.81	6,678.84	6,658.63	325.14	29.00	-78.40	-1,942.11	-7,254.96	3,626.99	3,399.15	227.83	15.920		
18,400.00	7,151.00	6,680.07	6,659.82	327.96	29.01	-78.43	-1,942.42	-7,255.00	3,703.24	3,477.93	225.31	16.436		
18,500.00	7,151.20	6,681.31	6,661.02	330.78	29.01	-78.46	-1,942.74	-7,255.04	3,780.60	3,557.76	222.84	16.965		
18,600.00	7,151.40	6,682.55	6,662.21	333.61	29.01	-78.49	-1,943.06	-7,255.08	3,859.00	3,638.58	220.42	17.507		
18,700.00	7,151.59	6,683.78	6,663.40	336.43	29.02	-78.52	-1,943.38	-7,255.12	3,938.38	3,720.32	218.06	18.061		
18,800.00	7,151.79	6,685.02	6,664.60	339.26	29.02	-78.55	-1,943.70	-7,255.16	4,018.67	3,802.92	215.75	18.626		
18,906.26	7,152.00	6,686.33	6,665.86	342.26	29.03	-78.58	-1,944.05	-7,255.20	4,104.95	3,891.59	213.36	19.240		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	234.30	234.22	3.28	3.36	-107.14	-2,183.78	-7,080.13	7,413.28					
100.00	100.00	319.18	319.05	3.28	3.46	-107.14	-2,183.23	-7,077.46	7,410.09	7,403.34	6.74	1,098.780		
200.00	200.00	368.94	368.79	3.34	3.53	-107.15	-2,183.11	-7,076.03	7,407.30	7,400.44	6.87	1,078.634		
257.33	257.33	394.55	394.39	3.39	3.57	172.86	-2,182.73	-7,075.56	7,406.61	7,399.65	6.96	1,063.724		
300.00	299.98	422.00	421.84	3.44	3.62	172.86	-2,182.07	-7,075.26	7,407.01	7,399.94	7.06	1,048.797		
400.00	399.84	459.56	459.39	3.60	3.69	172.86	-2,181.13	-7,075.06	7,410.89	7,403.60	7.29	1,016.453		
500.00	499.45	513.00	512.82	3.81	3.81	172.85	-2,180.29	-7,075.03	7,418.97	7,411.36	7.61	975.177		
600.00	598.70	603.78	603.60	4.06	4.02	172.84	-2,179.67	-7,075.08	7,430.90	7,422.83	8.07	921.117		
700.00	697.47	769.69	769.50	4.34	4.48	172.83	-2,178.08	-7,074.05	7,445.41	7,436.60	8.81	845.482		
785.50	781.43	853.51	853.30	4.61	4.73	172.82	-2,176.93	-7,073.44	7,460.47	7,451.14	9.33	799.624		
800.00	795.63	867.93	867.72	4.66	4.78	172.82	-2,176.79	-7,073.32	7,463.24	7,453.81	9.43	791.782		
900.00	893.55	940.46	940.25	5.02	5.02	172.84	-2,176.15	-7,072.81	7,482.46	7,472.47	9.99	749.119		
1,000.00	991.47	1,000.00	1,050.34	5.40	5.22	172.87	-2,174.76	-7,072.25	7,501.77	7,491.23	10.54	712.007		
1,100.00	1,089.39	1,145.56	1,145.32	5.80	5.72	172.90	-2,173.07	-7,071.74	7,520.90	7,509.49	11.41	659.157		
1,200.00	1,187.31	1,202.38	1,202.13	6.21	5.93	172.92	-2,172.05	-7,071.68	7,540.45	7,528.46	11.99	628.883		
1,300.00	1,285.22	2,072.19	2,069.24	6.64	9.41	173.27	-2,134.94	-7,032.80	7,554.44	7,538.63	15.81	477.710		
1,400.00	1,383.14	2,259.13	2,254.76	7.08	10.24	173.39	-2,118.31	-7,016.98	7,564.38	7,547.38	17.01	444.807		
1,500.00	1,481.06	2,347.31	2,342.22	7.52	10.64	173.44	-2,111.14	-7,008.27	7,572.87	7,555.07	17.80	425.560		
1,600.00	1,578.98	2,404.61	2,399.11	7.98	10.90	173.47	-2,107.04	-7,002.80	7,581.93	7,563.47	18.46	410.699		
1,700.00	1,676.90	2,480.09	2,474.08	8.44	11.24	173.50	-2,101.68	-6,995.90	7,591.41	7,572.20	19.21	395.180		
1,800.00	1,774.82	2,689.27	2,681.66	8.90	12.21	173.62	-2,085.00	-6,976.32	7,600.54	7,580.00	20.54	370.015		
1,900.00	1,872.74	2,836.30	2,827.42	9.37	12.91	173.70	-2,073.36	-6,960.88	7,608.51	7,586.90	21.61	352.026		
2,000.00	1,970.66	2,909.60	2,900.10	9.84	13.25	173.72	-2,068.93	-6,952.50	7,616.16	7,593.79	22.37	340.444		
2,100.00	2,068.57	2,963.00	2,953.10	10.32	13.50	173.74	-2,065.76	-6,946.75	7,624.42	7,601.37	23.05	330.832		
2,200.00	2,166.49	2,996.83	2,986.70	10.80	13.66	173.76	-2,063.72	-6,943.38	7,633.40	7,609.76	23.64	322.920		
2,300.00	2,264.41	3,058.00	3,047.51	11.28	13.95	173.78	-2,059.99	-6,938.00	7,643.35	7,619.00	24.35	313.883		
2,400.00	2,362.33	3,240.00	3,229.74	11.76	10.85	173.86	-2,047.82	-6,920.82	7,652.85	7,630.91	21.94	348.781		
2,500.00	2,460.25	3,287.31	3,275.28	12.24	15.03	173.88	-2,044.59	-6,916.36	7,661.93	7,635.67	26.25	291.834		
2,600.00	2,558.17	3,341.00	3,328.65	12.73	15.29	173.91	-2,041.09	-6,911.74	7,671.95	7,645.01	26.94	284.766		
2,700.00	2,656.09	3,409.79	3,397.08	13.22	15.61	173.94	-2,036.78	-6,906.13	7,682.54	7,654.84	27.70	277.397		
2,800.00	2,754.01	3,560.67	3,547.05	13.71	16.32	174.01	-2,027.08	-6,892.90	7,692.56	7,663.75	28.82	266.955		
2,900.00	2,851.92	2,900.00	3,669.65	14.20	13.18	174.06	-2,018.61	-6,881.83	7,702.35	7,675.98	26.37	292.105		
3,000.00	2,949.84	4,053.36	4,035.60	14.69	18.73	174.23	-1,992.02	-6,840.16	7,708.86	7,676.95	31.91	241.587		
3,100.00	3,047.76	4,102.00	4,083.69	15.18	18.98	174.25	-1,987.69	-6,834.30	7,715.18	7,682.59	32.59	236.721		
3,200.00	3,145.68	4,151.28	4,132.44	15.67	19.22	174.28	-1,983.18	-6,828.73	7,722.16	7,688.89	33.28	232.054		
3,300.00	3,243.60	4,197.00	4,177.73	16.17	19.45	174.31	-1,979.05	-6,823.99	7,729.95	7,696.00	33.95	227.713		
3,400.00	3,341.52	4,197.00	4,177.73	16.66	19.45	174.31	-1,979.05	-6,823.99	7,738.67	7,704.27	34.41	224.928		
3,500.00	3,439.44	4,258.60	4,238.83	17.16	19.75	174.35	-1,973.69	-6,818.32	7,747.95	7,712.81	35.14	220.479		
3,600.00	3,537.36	4,292.00	4,272.01	17.65	19.92	174.36	-1,970.94	-6,815.62	7,758.23	7,722.48	35.75	217.031		
3,700.00	3,635.27	4,357.28	4,336.89	18.15	20.23	174.40	-1,965.57	-6,810.77	7,769.16	7,732.66	36.50	212.866		
3,800.00	3,733.19	4,433.49	4,412.64	18.65	20.59	174.45	-1,959.10	-6,805.49	7,780.49	7,743.19	37.30	208.594		
3,900.00	3,831.11	3,900.00	4,544.39	19.14	18.04	174.53	-1,947.77	-6,796.12	7,791.67	7,756.30	35.37	220.319		
4,000.00	3,929.03	4,643.89	4,621.72	19.64	21.60	174.58	-1,941.04	-6,790.42	7,802.64	7,763.47	39.18	199.164		
4,100.00	4,026.95	4,775.65	4,752.70	20.14	22.23	174.66	-1,930.27	-6,781.11	7,814.03	7,773.79	40.24	194.185		
4,200.00	4,124.87	4,811.61	4,788.47	20.64	22.40	174.68	-1,927.55	-6,778.54	7,825.37	7,784.52	40.85	191.544		
4,300.00	4,222.79	4,862.00	4,838.62	21.14	22.64	174.70	-1,923.86	-6,775.28	7,837.45	7,795.91	41.53	188.701		
4,400.00	4,320.71	4,958.28	4,934.50	21.64	23.09	174.75	-1,917.54	-6,769.17	7,849.90	7,807.47	42.43	185.023		
4,500.00	4,418.62	5,010.28	4,986.32	22.14	23.33	174.77	-1,914.89	-6,765.78	7,862.57	7,819.46	43.11	182.398		
4,600.00	4,516.54	5,053.00	5,028.92	22.64	23.53	174.78	-1,913.34	-6,763.05	7,875.84	7,832.09	43.74	180.056		
4,700.00	4,614.46	5,053.00	5,028.92	23.14	23.53	174.78	-1,913.34	-6,763.05	7,890.13	7,845.96	44.17	178.638		
4,800.00	4,712.38	5,104.55	5,080.38	23.64	23.75	174.79	-1,911.79	-6,760.36	7,904.96	7,860.12	44.84	176.312		
4,900.00	4,810.30	5,148.00	5,123.78	24.14	23.94	174.80	-1,910.47	-6,758.97	7,921.04	7,875.58	45.46	174.240		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	5,157.54	5,133.31	24.64	23.98	174.81	-1,910.17	-6,758.75	7,937.85	7,891.93	45.92	172.872		
5,100.00	5,006.14	5,224.12	5,199.84	25.14	24.27	174.83	-1,908.07	-6,757.41	7,955.35	7,908.70	46.65	170.534		
5,200.00	5,104.06	5,242.00	5,217.72	25.64	24.35	174.84	-1,907.49	-6,757.11	7,973.47	7,926.33	47.14	169.150		
5,300.00	5,201.97	5,281.00	5,256.71	26.14	24.50	174.85	-1,906.57	-6,756.70	7,992.35	7,944.64	47.72	167.493		
5,400.00	5,299.89	5,337.00	5,312.70	26.64	24.72	174.85	-1,906.50	-6,756.93	8,012.55	7,964.17	48.38	165.632		
5,500.00	5,397.81	5,337.00	5,312.70	27.15	24.72	174.85	-1,906.50	-6,756.93	8,033.08	7,984.33	48.76	164.754		
5,600.00	5,495.73	5,404.59	5,380.28	27.65	24.97	174.86	-1,907.25	-6,757.73	8,054.61	8,005.15	49.45	162.882		
5,700.00	5,593.65	5,537.42	5,513.10	28.15	25.45	174.87	-1,908.42	-6,758.91	8,075.89	8,025.43	50.45	160.071		
5,800.00	5,691.57	5,617.99	5,593.66	28.65	25.75	174.88	-1,909.04	-6,759.58	8,097.09	8,045.88	51.21	158.116		
5,900.00	5,789.49	5,688.32	5,663.98	29.15	26.01	174.88	-1,909.69	-6,760.32	8,118.53	8,066.61	51.92	156.371		
6,000.00	5,887.41	5,761.05	5,736.70	29.66	26.28	174.89	-1,910.44	-6,761.31	8,140.30	8,087.66	52.64	154.644		
6,100.00	5,985.32	5,840.27	5,815.92	30.16	26.58	174.90	-1,910.99	-6,762.69	8,162.33	8,108.94	53.39	152.876		
6,200.00	6,083.24	5,929.81	5,905.43	30.66	26.91	174.91	-1,911.77	-6,764.34	8,184.51	8,130.32	54.20	151.018		
6,300.00	6,181.16	6,019.30	5,994.91	31.16	27.25	174.92	-1,912.48	-6,766.08	8,206.76	8,151.76	55.00	149.213		
6,400.00	6,279.08	6,093.77	6,069.36	31.67	27.53	174.93	-1,913.00	-6,767.70	8,229.22	8,173.49	55.73	147.657		
6,490.03	6,367.24	6,250.35	6,225.91	32.12	28.13	174.94	-1,914.38	-6,770.19	8,248.81	8,191.97	56.84	145.135		
6,500.00	6,377.01	6,257.65	6,233.21	32.17	28.15	175.92	-1,914.43	-6,770.30	8,250.91	8,194.00	56.91	144.988		
6,550.00	6,426.43	6,294.10	6,269.65	32.40	28.29	-175.44	-1,914.61	-6,770.89	8,259.26	8,202.00	57.26	144.237		
6,600.00	6,476.27	6,320.00	6,295.55	32.61	28.39	-140.67	-1,914.71	-6,771.36	8,263.97	8,206.42	57.55	143.595		
6,650.00	6,526.21	6,352.00	6,327.54	32.80	28.52	-54.41	-1,915.08	-6,771.99	8,265.06	8,207.21	57.85	142.872		
6,700.00	6,575.96	6,352.00	6,327.54	32.98	28.52	-33.43	-1,915.08	-6,771.99	8,262.58	8,204.61	57.97	142.539		
6,750.00	6,625.19	6,369.04	6,344.56	33.16	28.58	-27.31	-1,915.57	-6,772.36	8,256.56	8,198.40	58.15	141.979		
6,800.00	6,673.62	6,384.00	6,359.51	33.35	28.64	-24.65	-1,916.27	-6,772.74	8,247.07	8,188.76	58.31	141.426		
6,850.00	6,720.94	6,384.00	6,359.51	33.55	28.64	-23.33	-1,916.27	-6,772.74	8,234.14	8,175.76	58.38	141.035		
6,900.00	6,766.86	6,384.00	6,359.51	33.76	28.64	-22.71	-1,916.27	-6,772.74	8,217.90	8,159.46	58.44	140.626		
6,950.00	6,811.10	6,400.51	6,375.97	33.98	28.69	-22.57	-1,917.35	-6,773.23	8,198.31	8,139.75	58.56	139.995		
7,000.00	6,853.38	6,415.00	6,390.40	34.23	28.75	-22.79	-1,918.57	-6,773.75	8,175.62	8,116.96	58.66	139.367		
7,050.00	6,893.45	6,415.00	6,390.40	34.50	28.75	-23.27	-1,918.57	-6,773.75	8,149.83	8,091.15	58.68	138.888		
7,100.00	6,931.05	6,415.00	6,390.40	34.79	28.75	-24.05	-1,918.57	-6,773.75	8,121.15	8,062.46	58.69	138.382		
7,150.00	6,965.96	6,427.40	6,402.73	35.12	28.79	-25.17	-1,919.80	-6,774.25	8,089.69	8,030.94	58.75	137.698		
7,200.00	6,997.96	6,434.23	6,409.51	35.47	28.81	-26.63	-1,920.55	-6,774.53	8,055.64	7,996.86	58.78	137.046		
7,250.00	7,026.85	6,447.00	6,422.18	35.86	28.86	-28.55	-1,922.08	-6,775.09	8,019.18	7,960.34	58.84	136.288		
7,300.00	7,052.45	6,447.00	6,422.18	36.29	28.86	-30.93	-1,922.08	-6,775.09	7,980.49	7,921.65	58.84	135.641		
7,350.00	7,074.61	6,488.84	6,463.58	36.76	29.00	-34.30	-1,927.92	-6,776.76	7,939.76	7,880.72	59.05	134.462		
7,400.00	7,093.19	6,560.82	6,534.29	37.27	29.23	-39.04	-1,941.21	-6,778.23	7,897.07	7,837.65	59.42	132.906		
7,450.00	7,108.07	6,571.96	6,545.13	37.81	29.27	-44.52	-1,943.74	-6,778.28	7,852.86	7,793.37	59.49	132.001		
7,500.00	7,119.17	6,574.00	6,547.11	38.39	29.28	-51.52	-1,944.22	-6,778.29	7,807.42	7,747.89	59.53	131.153		
7,550.00	7,126.41	6,574.00	6,547.11	38.99	29.28	-60.52	-1,944.22	-6,778.29	7,761.02	7,701.45	59.57	130.284		
7,600.00	7,129.75	6,574.00	6,547.11	39.62	29.28	-71.81	-1,944.22	-6,778.29	7,713.93	7,654.31	59.62	129.374		
7,616.41	7,130.00	6,574.00	6,547.11	39.83	29.28	-75.98	-1,944.22	-6,778.29	7,698.38	7,638.73	59.65	129.065		
7,700.00	7,130.16	6,574.00	6,547.11	40.97	29.28	-75.98	-1,944.22	-6,778.29	7,619.08	7,559.31	59.77	127.475		
7,800.00	7,130.35	6,574.00	6,547.11	42.46	29.28	-75.98	-1,944.22	-6,778.29	7,524.34	7,464.39	59.95	125.518		
7,900.00	7,130.55	6,574.00	6,547.11	44.09	29.28	-75.98	-1,944.22	-6,778.29	7,429.74	7,369.58	60.16	123.502		
8,000.00	7,130.74	6,574.00	6,547.11	45.84	29.28	-75.98	-1,944.22	-6,778.29	7,335.27	7,274.87	60.41	121.428		
8,100.00	7,130.94	6,574.00	6,547.11	47.70	29.28	-75.98	-1,944.22	-6,778.29	7,240.96	7,180.27	60.70	119.296		
8,200.00	7,131.13	6,574.00	6,547.11	49.65	29.28	-75.98	-1,944.22	-6,778.29	7,146.81	7,085.78	61.03	117.109		
8,300.00	7,131.32	6,574.00	6,547.11	51.70	29.28	-75.98	-1,944.22	-6,778.29	7,052.81	6,991.41	61.40	114.867		
8,400.00	7,131.52	6,574.00	6,547.11	53.81	29.28	-75.98	-1,944.22	-6,778.29	6,958.98	6,897.16	61.82	112.574		
8,500.00	7,131.71	6,574.00	6,547.11	55.99	29.28	-75.98	-1,944.22	-6,778.29	6,865.33	6,803.05	62.28	110.232		
8,600.00	7,131.90	6,574.00	6,547.11	58.24	29.28	-75.98	-1,944.22	-6,778.29	6,771.85	6,709.06	62.79	107.845		
8,700.00	7,132.10	6,574.00	6,547.11	60.53	29.28	-75.98	-1,944.22	-6,778.29	6,678.57	6,615.22	63.35	105.417		
8,800.00	7,132.29	6,574.00	6,547.11	62.87	29.28	-75.98	-1,944.22	-6,778.29	6,585.48	6,521.52	63.97	102.952		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	6,574.00	6,547.11	65.25	29.28	-75.98	-1,944.22	-6,778.29	6,492.60	6,427.97	64.63	100.455		
9,000.00	7,132.68	6,574.00	6,547.11	67.68	29.28	-75.98	-1,944.22	-6,778.29	6,399.93	6,334.58	65.35	97.929		
9,100.00	7,132.87	6,574.00	6,547.11	70.13	29.28	-75.98	-1,944.22	-6,778.29	6,307.49	6,241.36	66.13	95.381		
9,200.00	7,133.07	6,574.00	6,547.11	72.61	29.28	-75.98	-1,944.22	-6,778.29	6,215.28	6,148.32	66.96	92.814		
9,300.00	7,133.26	6,574.00	6,547.11	75.13	29.28	-75.98	-1,944.22	-6,778.29	6,123.32	6,055.46	67.86	90.236		
9,400.00	7,133.46	6,574.00	6,547.11	77.66	29.28	-75.98	-1,944.22	-6,778.29	6,031.61	5,962.79	68.81	87.650		
9,500.00	7,133.65	6,574.00	6,547.11	80.22	29.28	-75.98	-1,944.22	-6,778.29	5,940.17	5,870.34	69.83	85.062		
9,600.00	7,133.84	6,574.00	6,547.11	82.80	29.28	-75.98	-1,944.22	-6,778.29	5,849.01	5,778.09	70.92	82.478		
9,700.00	7,134.04	6,574.00	6,547.11	85.40	29.28	-75.98	-1,944.22	-6,778.29	5,758.14	5,686.08	72.07	79.902		
9,800.00	7,134.23	6,574.00	6,547.11	88.01	29.28	-75.98	-1,944.22	-6,778.29	5,667.58	5,594.30	73.28	77.339		
9,900.00	7,134.43	6,574.00	6,547.11	90.64	29.28	-75.98	-1,944.22	-6,778.29	5,577.34	5,502.77	74.57	74.795		
10,000.00	7,134.62	6,574.00	6,547.11	93.28	29.28	-75.98	-1,944.22	-6,778.29	5,487.45	5,411.52	75.93	72.273		
10,100.00	7,134.81	6,574.00	6,547.11	95.94	29.28	-75.98	-1,944.22	-6,778.29	5,397.90	5,320.54	77.36	69.778		
10,200.00	7,135.01	6,574.00	6,547.11	98.61	29.28	-75.98	-1,944.22	-6,778.29	5,308.73	5,229.87	78.86	67.314		
10,300.00	7,135.20	6,574.00	6,547.11	101.28	29.28	-75.98	-1,944.22	-6,778.29	5,219.95	5,139.51	80.45	64.885		
10,400.00	7,135.39	6,574.00	6,547.11	103.97	29.28	-75.98	-1,944.22	-6,778.29	5,131.59	5,049.48	82.11	62.495		
10,500.00	7,135.59	6,574.00	6,547.11	106.67	29.28	-75.98	-1,944.22	-6,778.29	5,043.66	4,959.80	83.86	60.145		
10,600.00	7,135.78	6,574.00	6,547.11	109.38	29.28	-75.98	-1,944.22	-6,778.29	4,956.19	4,870.50	85.69	57.840		
10,700.00	7,135.98	6,574.00	6,547.11	112.09	29.28	-75.98	-1,944.22	-6,778.29	4,869.20	4,781.59	87.60	55.582		
10,800.00	7,136.17	6,574.00	6,547.11	114.81	29.28	-75.98	-1,944.22	-6,778.29	4,782.72	4,693.11	89.61	53.373		
10,900.00	7,136.36	6,574.00	6,547.11	117.54	29.28	-75.98	-1,944.22	-6,778.29	4,696.77	4,605.06	91.71	51.214		
11,000.00	7,136.56	6,574.00	6,547.11	120.28	29.28	-75.98	-1,944.22	-6,778.29	4,611.39	4,517.49	93.90	49.109		
11,100.00	7,136.75	6,574.00	6,547.11	123.02	29.28	-75.98	-1,944.22	-6,778.29	4,526.61	4,430.42	96.19	47.059		
11,200.00	7,136.95	6,574.00	6,547.11	125.76	29.28	-75.98	-1,944.22	-6,778.29	4,442.47	4,343.89	98.58	45.064		
11,300.00	7,137.14	6,574.00	6,547.11	128.52	29.28	-75.98	-1,944.22	-6,778.29	4,358.99	4,257.92	101.08	43.126		
11,400.00	7,137.33	6,574.00	6,547.11	131.27	29.28	-75.98	-1,944.22	-6,778.29	4,276.23	4,172.55	103.68	41.245		
11,500.00	7,137.53	6,574.00	6,547.11	134.03	29.28	-75.98	-1,944.22	-6,778.29	4,194.21	4,087.82	106.39	39.423		
11,600.00	7,137.72	6,574.00	6,547.11	136.80	29.28	-75.98	-1,944.22	-6,778.29	4,112.99	4,003.77	109.22	37.659		
11,700.00	7,137.92	6,574.00	6,547.11	139.57	29.28	-75.98	-1,944.22	-6,778.29	4,032.61	3,920.46	112.16	35.955		
11,800.00	7,138.11	6,574.00	6,547.11	142.34	29.28	-75.98	-1,944.22	-6,778.29	3,953.13	3,837.91	115.22	34.309		
11,900.00	7,138.30	6,574.00	6,547.11	145.12	29.28	-75.98	-1,944.22	-6,778.29	3,874.60	3,756.20	118.41	32.723		
12,000.00	7,138.50	6,574.00	6,547.11	147.90	29.28	-75.98	-1,944.22	-6,778.29	3,797.08	3,675.37	121.72	31.196		
12,100.00	7,138.69	6,574.00	6,547.11	150.68	29.28	-75.98	-1,944.22	-6,778.29	3,720.64	3,595.48	125.16	29.728		
12,200.00	7,138.88	6,574.00	6,547.11	153.47	29.28	-75.98	-1,944.22	-6,778.29	3,645.33	3,516.60	128.73	28.318		
12,300.00	7,139.08	6,574.00	6,547.11	156.26	29.28	-75.98	-1,944.22	-6,778.29	3,571.24	3,438.80	132.43	26.967		
12,400.00	7,139.27	6,574.00	6,547.11	159.05	29.28	-75.98	-1,944.22	-6,778.29	3,498.43	3,362.16	136.27	25.673		
12,500.00	7,139.47	6,574.00	6,547.11	161.85	29.28	-75.98	-1,944.22	-6,778.29	3,427.00	3,286.75	140.24	24.436		
12,600.00	7,139.66	6,574.00	6,547.11	164.64	29.28	-75.98	-1,944.22	-6,778.29	3,357.02	3,212.67	144.35	23.256		
12,700.00	7,139.85	6,574.00	6,547.11	167.44	29.28	-75.98	-1,944.22	-6,778.29	3,288.60	3,140.00	148.60	22.131		
12,800.00	7,140.05	6,574.00	6,547.11	170.24	29.28	-75.98	-1,944.22	-6,778.29	3,221.83	3,068.85	152.97	21.061		
12,900.00	7,140.24	6,574.00	6,547.11	173.05	29.28	-75.98	-1,944.22	-6,778.29	3,156.81	2,999.33	157.48	20.046		
13,000.00	7,140.44	6,574.00	6,547.11	175.85	29.28	-75.98	-1,944.22	-6,778.29	3,093.66	2,931.55	162.11	19.084		
13,100.00	7,140.63	6,574.00	6,547.11	178.66	29.28	-75.98	-1,944.22	-6,778.29	3,032.50	2,865.64	166.86	18.174		
13,200.00	7,140.82	6,574.00	6,547.11	181.47	29.28	-75.98	-1,944.22	-6,778.29	2,973.44	2,801.72	171.72	17.316		
13,300.00	7,141.02	6,574.00	6,547.11	184.28	29.28	-75.98	-1,944.22	-6,778.29	2,916.61	2,739.94	176.67	16.508		
13,400.00	7,141.21	6,574.00	6,547.11	187.10	29.28	-75.98	-1,944.22	-6,778.29	2,862.15	2,680.44	181.72	15.751		
13,500.00	7,141.41	6,574.00	6,547.11	189.91	29.28	-75.98	-1,944.22	-6,778.29	2,810.20	2,623.37	186.83	15.042		
13,600.00	7,141.60	6,574.00	6,547.11	192.73	29.28	-75.98	-1,944.22	-6,778.29	2,760.89	2,568.90	191.99	14.380		
13,700.00	7,141.79	6,574.00	6,547.11	195.54	29.28	-75.98	-1,944.22	-6,778.29	2,714.37	2,517.18	197.18	13.766		
13,800.00	7,141.99	6,574.00	6,547.11	198.36	29.28	-75.98	-1,944.22	-6,778.29	2,670.78	2,468.40	202.38	13.197		
13,900.00	7,142.18	6,574.00	6,547.11	201.18	29.28	-75.98	-1,944.22	-6,778.29	2,630.28	2,422.73	207.55	12.673		
14,000.00	7,142.37	6,574.00	6,547.11	204.01	29.28	-75.98	-1,944.22	-6,778.29	2,593.00	2,380.33	212.67	12.192		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	6,574.00	6,547.11	206.83	29.28	-75.98	-1,944.22	-6,778.29	2,559.09	2,341.38	217.71	11.755		
14,200.00	7,142.76	6,574.00	6,547.11	209.65	29.28	-75.98	-1,944.22	-6,778.29	2,528.68	2,306.06	222.62	11.359		
14,300.00	7,142.96	6,574.00	6,547.11	212.48	29.28	-75.98	-1,944.22	-6,778.29	2,501.90	2,274.52	227.38	11.003		
14,400.00	7,143.15	6,574.00	6,547.11	215.30	29.28	-75.98	-1,944.22	-6,778.29	2,478.87	2,246.92	231.95	10.687		
14,500.00	7,143.34	6,574.00	6,547.11	218.13	29.28	-75.98	-1,944.22	-6,778.29	2,459.70	2,223.40	236.29	10.409		
14,600.00	7,143.54	6,574.00	6,547.11	220.96	29.28	-75.98	-1,944.22	-6,778.29	2,444.46	2,204.09	240.37	10.169		
14,700.00	7,143.73	6,574.00	6,547.11	223.79	29.28	-75.98	-1,944.22	-6,778.29	2,433.25	2,189.08	244.16	9.966		
14,800.00	7,143.93	6,574.00	6,547.11	226.62	29.28	-75.98	-1,944.22	-6,778.29	2,426.10	2,178.47	247.63	9.797		
14,838.32	7,144.00	6,574.00	6,547.11	227.70	29.28	-75.98	-1,944.22	-6,778.29	2,424.45	2,175.59	248.87	9.742		
14,900.00	7,144.12	6,574.00	6,547.11	229.45	29.28	-75.97	-1,944.22	-6,778.29	2,422.43	2,171.68	250.74	9.661		
15,000.00	7,144.32	6,574.00	6,547.11	232.26	29.28	-75.95	-1,944.22	-6,778.29	2,419.74	2,166.27	253.47	9.547		
15,027.81	7,144.37	6,574.00	6,547.11	233.04	29.28	-75.95	-1,944.22	-6,778.29	2,419.12	2,164.97	254.15	9.518		
15,078.86	7,144.47	6,574.00	6,547.11	234.47	29.28	-75.95	-1,944.22	-6,778.29	2,418.58	2,163.25	255.33	9.472 CC		
15,100.00	7,144.51	6,574.00	6,547.11	235.07	29.28	-75.95	-1,944.22	-6,778.29	2,418.67	2,162.88	255.79	9.456 ES		
15,200.00	7,144.71	6,574.00	6,547.11	237.87	29.28	-75.95	-1,944.22	-6,778.29	2,421.61	2,163.87	257.74	9.396		
15,300.00	7,144.91	6,574.00	6,547.11	240.68	29.28	-75.95	-1,944.22	-6,778.29	2,428.67	2,169.37	259.30	9.366		
15,400.00	7,145.10	6,583.26	6,556.10	243.48	29.30	-76.16	-1,946.43	-6,778.32	2,439.76	2,179.03	260.74	9.357 SF		
15,500.00	7,145.30	6,583.83	6,556.66	246.29	29.31	-76.18	-1,946.57	-6,778.32	2,454.92	2,193.38	261.54	9.386		
15,600.00	7,145.50	6,584.41	6,557.22	249.10	29.31	-76.19	-1,946.71	-6,778.32	2,474.03	2,212.06	261.97	9.444		
15,700.00	7,145.69	6,584.99	6,557.78	251.91	29.31	-76.21	-1,946.85	-6,778.32	2,497.00	2,234.96	262.04	9.529		
15,800.00	7,145.89	6,585.57	6,558.34	254.71	29.31	-76.22	-1,946.99	-6,778.32	2,523.73	2,261.96	261.77	9.641		
15,900.00	7,146.09	6,586.15	6,558.91	257.52	29.31	-76.23	-1,947.13	-6,778.32	2,554.10	2,292.92	261.18	9.779		
16,000.00	7,146.28	6,586.72	6,559.47	260.34	29.32	-76.25	-1,947.27	-6,778.33	2,587.97	2,327.67	260.30	9.942		
16,100.00	7,146.48	6,587.30	6,560.03	263.15	29.32	-76.26	-1,947.41	-6,778.33	2,625.22	2,366.07	259.15	10.130		
16,200.00	7,146.68	6,587.89	6,560.59	265.96	29.32	-76.27	-1,947.55	-6,778.33	2,665.70	2,407.94	257.76	10.342		
16,300.00	7,146.87	6,588.47	6,561.16	268.77	29.32	-76.29	-1,947.70	-6,778.33	2,709.27	2,453.12	256.16	10.577		
16,400.00	7,147.07	6,589.05	6,561.72	271.58	29.32	-76.30	-1,947.84	-6,778.33	2,755.78	2,501.41	254.37	10.834		
16,500.00	7,147.27	6,589.63	6,562.28	274.40	29.32	-76.32	-1,947.98	-6,778.33	2,805.09	2,552.66	252.43	11.112		
16,600.00	7,147.46	6,590.21	6,562.85	277.21	29.33	-76.33	-1,948.12	-6,778.33	2,857.04	2,606.69	250.35	11.412		
16,700.00	7,147.66	6,590.79	6,563.41	280.03	29.33	-76.34	-1,948.27	-6,778.34	2,911.51	2,663.35	248.16	11.732		
16,800.00	7,147.86	6,591.38	6,563.98	282.84	29.33	-76.36	-1,948.41	-6,778.34	2,968.34	2,722.45	245.89	12.072		
16,900.00	7,148.05	6,591.96	6,564.54	285.66	29.33	-76.37	-1,948.56	-6,778.34	3,027.41	2,783.87	243.54	12.431		
17,000.00	7,148.25	6,592.55	6,565.11	288.48	29.33	-76.38	-1,948.70	-6,778.34	3,088.59	2,847.44	241.15	12.808		
17,100.00	7,148.45	6,593.13	6,565.68	291.29	29.34	-76.40	-1,948.85	-6,778.34	3,151.76	2,913.03	238.72	13.203		
17,200.00	7,148.64	6,593.72	6,566.24	294.11	29.34	-76.41	-1,948.99	-6,778.34	3,216.79	2,980.52	236.27	13.615		
17,300.00	7,148.84	6,594.30	6,566.81	296.93	29.34	-76.43	-1,949.14	-6,778.35	3,283.58	3,049.76	233.82	14.043		
17,400.00	7,149.04	6,594.89	6,567.38	299.75	29.34	-76.44	-1,949.28	-6,778.35	3,352.02	3,120.66	231.36	14.488		
17,500.00	7,149.23	6,595.48	6,567.95	302.57	29.34	-76.45	-1,949.43	-6,778.35	3,422.02	3,193.10	228.92	14.949		
17,600.00	7,149.43	6,596.06	6,568.52	305.39	29.34	-76.47	-1,949.58	-6,778.35	3,493.48	3,266.98	226.50	15.424		
17,700.00	7,149.63	6,596.65	6,569.09	308.21	29.35	-76.48	-1,949.72	-6,778.35	3,566.31	3,342.21	224.10	15.914		
17,800.00	7,149.82	6,606.00	6,578.13	311.03	29.38	-76.70	-1,952.10	-6,778.37	3,640.45	3,418.52	221.93	16.404		
17,900.00	7,150.02	6,606.00	6,578.13	313.85	29.38	-76.70	-1,952.10	-6,778.37	3,715.78	3,496.20	219.59	16.922		
18,000.00	7,150.22	6,606.00	6,578.13	316.67	29.38	-76.70	-1,952.10	-6,778.37	3,792.25	3,574.97	217.28	17.453		
18,100.00	7,150.41	6,606.00	6,578.13	319.49	29.38	-76.70	-1,952.10	-6,778.37	3,869.79	3,654.77	215.02	17.997		
18,200.00	7,150.61	6,606.00	6,578.13	322.32	29.38	-76.70	-1,952.10	-6,778.37	3,948.34	3,735.53	212.81	18.553		
18,300.00	7,150.81	6,606.00	6,578.13	325.14	29.38	-76.70	-1,952.10	-6,778.37	4,027.85	3,817.20	210.64	19.122		
18,400.00	7,151.00	6,606.00	6,578.13	327.96	29.38	-76.70	-1,952.10	-6,778.37	4,108.25	3,899.72	208.52	19.701		
18,500.00	7,151.20	6,606.00	6,578.13	330.78	29.38	-76.70	-1,952.10	-6,778.37	4,189.49	3,983.03	206.46	20.292		
18,600.00	7,151.40	6,606.00	6,578.13	333.61	29.38	-76.70	-1,952.10	-6,778.37	4,271.53	4,067.09	204.44	20.894		
18,700.00	7,151.59	6,606.00	6,578.13	336.43	29.38	-76.70	-1,952.10	-6,778.37	4,354.32	4,151.85	202.47	21.506		
18,800.00	7,151.79	6,606.00	6,578.13	339.26	29.38	-76.70	-1,952.10	-6,778.37	4,437.81	4,237.27	200.55	22.128		
18,906.26	7,152.00	6,606.00	6,578.13	342.26	29.38	-76.70	-1,952.10	-6,778.37	4,527.28	4,328.71	198.56	22.800		

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

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.21	-2,197.94	-5,663.68	6,075.21					
100.00	100.00	85.00	85.00	3.28	3.29	-111.21	-2,197.94	-5,663.68	6,075.21	6,068.64	6.57	924.689		
200.00	200.00	185.00	185.00	3.34	3.31	-111.21	-2,197.94	-5,663.68	6,075.21	6,068.56	6.64	914.656		
300.00	299.98	284.98	284.98	3.44	3.34	168.79	-2,197.94	-5,663.68	6,076.92	6,070.14	6.78	895.985		
400.00	399.84	384.84	384.84	3.60	3.39	168.78	-2,197.94	-5,663.68	6,082.05	6,075.06	6.99	870.292		
500.00	499.45	484.45	484.45	3.81	3.45	168.76	-2,197.94	-5,663.68	6,090.60	6,083.35	7.26	839.464		
600.00	598.70	583.70	583.70	4.06	3.52	168.73	-2,197.94	-5,663.68	6,102.56	6,094.98	7.58	805.536		
700.00	697.47	682.47	682.47	4.34	3.61	168.70	-2,197.94	-5,663.68	6,117.91	6,109.96	7.94	770.226		
785.50	781.43	766.43	766.43	4.61	3.69	168.67	-2,197.94	-5,663.68	6,133.70	6,125.41	8.29	739.867		
800.00	795.63	780.63	780.63	4.66	3.70	168.67	-2,197.94	-5,663.68	6,136.59	6,128.24	8.35	734.487		
900.00	893.55	878.55	878.55	5.02	3.80	168.71	-2,197.94	-5,663.68	6,156.51	6,147.72	8.79	700.687		
1,000.00	991.47	976.47	976.47	5.40	3.92	168.75	-2,197.94	-5,663.68	6,176.43	6,167.18	9.25	667.882		
1,100.00	1,089.39	1,074.39	1,074.39	5.80	4.04	168.78	-2,197.94	-5,663.68	6,196.35	6,186.62	9.73	636.534		
1,200.00	1,187.31	1,172.31	1,172.31	6.21	4.17	168.82	-2,197.94	-5,663.68	6,216.28	6,206.03	10.24	606.893		
1,300.00	1,285.22	1,270.22	1,270.22	6.64	4.30	168.86	-2,197.94	-5,663.68	6,236.20	6,225.44	10.77	579.065		
1,400.00	1,383.14	1,273.22	1,273.22	7.08	4.41	168.86	-2,197.43	-5,664.46	6,257.41	6,246.14	11.27	555.355		
1,500.00	1,481.06	1,300.00	1,299.98	7.52	4.49	168.88	-2,196.99	-5,665.14	6,279.30	6,267.56	11.74	534.715		
1,600.00	1,578.98	1,357.67	1,357.59	7.98	4.67	168.92	-2,195.59	-5,667.32	6,301.96	6,289.64	12.32	511.417		
1,700.00	1,676.90	1,400.00	1,399.84	8.44	4.80	168.96	-2,194.16	-5,669.55	6,325.52	6,312.66	12.86	491.845		
1,800.00	1,774.82	1,441.08	1,440.80	8.90	4.93	169.00	-2,192.46	-5,672.20	6,349.94	6,336.53	13.40	473.803		
1,900.00	1,872.74	1,500.00	1,499.45	9.37	5.13	169.06	-2,189.45	-5,676.88	6,375.26	6,361.24	14.01	455.007		
2,000.00	1,970.66	1,523.35	1,522.66	9.84	5.21	169.08	-2,188.08	-5,679.01	6,401.31	6,386.81	14.50	441.538		
2,100.00	2,068.57	1,576.19	1,575.11	10.32	5.40	169.15	-2,184.60	-5,684.43	6,428.29	6,413.19	15.10	425.812		
2,200.00	2,166.49	1,642.69	1,641.03	10.80	5.65	169.24	-2,179.90	-5,691.75	6,455.85	6,440.09	15.76	409.680		
2,300.00	2,264.41	1,737.81	1,735.34	11.28	6.03	169.36	-2,173.16	-5,702.23	6,483.51	6,466.96	16.55	391.843		
2,400.00	2,362.33	1,832.93	1,829.64	11.76	6.41	169.49	-2,166.43	-5,712.71	6,511.20	6,493.85	17.35	375.250		
2,500.00	2,460.25	1,928.06	1,923.95	12.24	6.82	169.61	-2,159.70	-5,723.19	6,538.91	6,520.74	18.17	359.875		
2,600.00	2,558.17	2,023.18	2,018.25	12.73	7.23	169.73	-2,152.96	-5,733.67	6,566.66	6,547.66	19.00	345.625		
2,700.00	2,656.09	2,118.30	2,112.56	13.22	7.65	169.85	-2,146.23	-5,744.15	6,594.43	6,574.59	19.84	332.411		
2,800.00	2,754.01	2,213.43	2,206.86	13.71	8.08	169.97	-2,139.50	-5,754.62	6,622.23	6,601.54	20.68	320.147		
2,900.00	2,851.92	2,308.55	2,301.16	14.20	8.51	170.09	-2,132.77	-5,765.10	6,650.05	6,628.51	21.54	308.751		
3,000.00	2,949.84	2,403.67	2,395.47	14.69	8.95	170.21	-2,126.03	-5,775.58	6,677.90	6,655.51	22.40	298.147		
3,100.00	3,047.76	2,501.20	2,489.77	15.18	9.41	170.32	-2,119.30	-5,786.06	6,705.78	6,682.51	23.27	288.130		
3,200.00	3,145.68	2,606.08	2,584.08	15.67	9.91	170.44	-2,112.57	-5,796.54	6,733.69	6,709.50	24.19	278.406		
3,300.00	3,243.60	2,689.04	2,678.38	16.17	10.30	170.55	-2,105.83	-5,807.02	6,761.61	6,736.61	25.00	270.417		
3,400.00	3,341.52	2,784.17	2,772.69	16.66	10.76	170.67	-2,099.10	-5,817.50	6,789.57	6,763.69	25.88	262.342		
3,500.00	3,439.44	2,879.29	2,866.99	17.16	11.22	170.78	-2,092.37	-5,827.98	6,817.55	6,790.79	26.76	254.769		
3,600.00	3,537.36	2,974.41	2,961.29	17.65	11.68	170.89	-2,085.63	-5,838.46	6,845.55	6,817.91	27.64	247.656		
3,700.00	3,635.27	3,069.54	3,055.60	18.15	12.15	171.00	-2,078.90	-5,848.93	6,873.58	6,845.06	28.53	240.963		
3,800.00	3,733.19	3,164.66	3,149.90	18.65	12.61	171.11	-2,072.17	-5,859.41	6,901.63	6,872.22	29.41	234.658		
3,900.00	3,831.11	3,259.78	3,244.21	19.14	13.08	171.22	-2,065.43	-5,869.89	6,929.71	6,899.41	30.30	228.708		
4,000.00	3,929.03	3,354.91	3,338.51	19.64	13.55	171.33	-2,058.70	-5,880.37	6,957.81	6,926.62	31.19	223.086		
4,100.00	4,026.95	3,450.03	3,432.82	20.14	14.02	171.44	-2,051.97	-5,890.85	6,985.93	6,953.85	32.08	217.767		
4,200.00	4,124.87	3,545.15	3,527.12	20.64	14.49	171.55	-2,045.24	-5,901.33	7,014.08	6,981.11	32.97	212.728		
4,300.00	4,222.79	3,640.28	3,621.42	21.14	14.96	171.65	-2,038.50	-5,911.81	7,042.25	7,008.38	33.87	207.948		
4,400.00	4,320.71	3,735.40	3,715.73	21.64	15.44	171.76	-2,031.77	-5,922.29	7,070.44	7,035.68	34.76	203.407		
4,500.00	4,418.62	3,830.52	3,810.03	22.14	15.91	171.86	-2,025.04	-5,932.77	7,098.65	7,063.00	35.66	199.090		
4,600.00	4,516.54	3,925.65	3,904.34	22.64	16.39	171.97	-2,018.30	-5,943.24	7,126.89	7,090.34	36.55	194.981		
4,700.00	4,614.46	4,020.77	3,998.64	23.14	16.86	172.07	-2,011.57	-5,953.72	7,155.14	7,117.70	37.45	191.065		
4,800.00	4,712.38	4,115.89	4,092.95	23.64	17.34	172.17	-2,004.84	-5,964.20	7,183.42	7,145.08	38.35	187.329		
4,900.00	4,810.30	4,211.02	4,187.25	24.14	17.82	172.27	-1,998.10	-5,974.68	7,211.72	7,172.48	39.25	183.761		
5,000.00	4,908.22	4,306.14	4,281.55	24.64	18.30	172.37	-1,991.37	-5,985.16	7,240.04	7,199.90	40.14	180.352		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,401.26	4,375.86	25.14	18.78	172.47	-1,984.64	-5,995.64	7,268.38	7,227.34	41.04	177.089		
5,200.00	5,104.06	4,503.62	4,470.16	25.64	19.29	172.57	-1,977.90	-6,006.12	7,296.74	7,254.76	41.98	173.823		
5,300.00	5,201.97	4,608.49	4,564.47	26.14	19.82	172.67	-1,971.17	-6,016.60	7,325.12	7,282.20	42.93	170.649		
5,400.00	5,299.89	4,686.63	4,658.77	26.64	20.22	172.76	-1,964.44	-6,027.08	7,353.52	7,309.78	43.74	168.100		
5,500.00	5,397.81	4,781.75	4,753.08	27.15	20.70	172.86	-1,957.71	-6,037.55	7,381.94	7,337.30	44.65	165.343		
5,600.00	5,495.73	4,876.88	4,847.38	27.65	21.18	172.96	-1,950.97	-6,048.03	7,410.38	7,364.83	45.55	162.695		
5,700.00	5,593.65	4,972.00	4,941.68	28.15	21.66	173.05	-1,944.24	-6,058.51	7,438.84	7,392.39	46.45	160.148		
5,800.00	5,691.57	5,069.56	5,038.57	28.65	22.14	173.14	-1,937.51	-6,068.99	7,467.30	7,420.84	47.46	157.686		
5,900.00	5,789.49	5,167.48	5,135.89	29.15	22.62	173.23	-1,930.78	-6,079.47	7,495.76	7,448.29	48.47	155.289		
6,000.00	5,887.41	5,265.39	5,232.41	29.66	23.10	173.32	-1,924.05	-6,089.95	7,524.22	7,476.74	49.48	152.946		
6,100.00	5,985.32	5,363.31	5,329.32	30.16	23.58	173.41	-1,917.32	-6,099.95	7,552.68	7,504.18	50.49	150.657		
6,200.00	6,083.24	5,461.23	5,426.24	30.66	24.06	173.50	-1,910.59	-6,109.95	7,581.12	7,531.62	51.50	148.413		
6,300.00	6,181.16	5,559.15	5,523.16	31.16	24.54	173.59	-1,903.86	-6,119.95	7,609.56	7,559.06	52.51	146.214		
6,400.00	6,279.08	5,657.07	5,620.08	31.67	25.02	173.68	-1,897.13	-6,129.95	7,638.00	7,587.50	53.52	144.060		
6,490.03	6,367.24	5,755.23	5,717.24	32.12	25.50	173.76	-1,890.40	-6,139.95	7,666.44	7,615.94	54.53	141.950		
6,500.00	6,377.01	5,765.00	5,727.01	32.17	25.55	174.59	-1,917.83	-6,099.62	7,604.71	7,548.12	56.59	134.381		
6,550.00	6,426.43	5,814.42	5,776.43	32.40	25.78	-176.79	-1,917.83	-6,099.62	7,612.22	7,555.21	57.01	133.519		
6,600.00	6,476.27	5,864.26	5,826.27	32.61	26.01	-142.03	-1,917.83	-6,099.62	7,616.01	7,558.59	57.42	132.629		
6,650.00	6,526.21	5,914.15	5,876.15	32.80	26.24	-55.78	-1,918.22	-6,099.62	7,616.49	7,558.99	57.49	132.476		
6,700.00	6,575.96	5,964.00	5,926.00	32.98	26.47	-34.85	-1,919.40	-6,099.62	7,613.40	7,555.66	57.74	131.853		
6,750.00	6,625.19	6,013.81	5,975.81	33.16	26.70	-28.74	-1,919.40	-6,099.62	7,606.76	7,548.89	57.87	131.456		
6,800.00	6,673.62	6,063.62	6,025.62	33.35	26.93	-26.10	-1,919.40	-6,099.62	7,596.76	7,538.78	57.97	131.039		
6,850.00	6,720.94	6,113.43	6,075.43	33.55	27.16	-24.82	-1,919.40	-6,099.62	7,583.43	7,525.37	58.06	130.603		
6,900.00	6,766.86	6,163.28	6,125.28	33.76	27.39	-24.33	-1,922.81	-6,099.62	7,566.48	7,508.19	58.30	129.793		
6,950.00	6,811.10	6,213.05	6,175.05	33.98	27.62	-24.27	-1,924.19	-6,099.62	7,546.48	7,488.07	58.41	129.205		
7,000.00	6,853.38	6,262.81	6,224.81	34.23	27.85	-24.57	-1,925.66	-6,099.62	7,523.34	7,464.84	58.50	128.598		
7,050.00	6,893.45	6,312.62	6,274.62	34.50	28.08	-25.30	-1,932.32	-6,099.62	7,497.43	7,438.72	58.71	127.708		
7,100.00	6,931.05	6,362.43	6,324.43	34.79	28.31	-26.21	-1,932.32	-6,099.62	7,468.31	7,409.57	58.74	127.141		
7,150.00	6,965.96	6,412.24	6,375.24	35.12	28.54	-27.45	-1,932.32	-6,099.62	7,436.53	7,377.76	58.77	126.544		
7,200.00	6,997.96	6,462.05	6,424.05	35.47	28.77	-29.06	-1,932.32	-6,099.62	7,402.26	7,343.47	58.79	125.915		
7,250.00	7,026.85	6,511.86	6,473.86	35.86	29.00	-31.12	-1,932.32	-6,099.62	7,365.67	7,306.86	58.81	125.252		
7,300.00	7,052.45	6,561.67	6,523.67	36.29	29.23	-33.72	-1,932.32	-6,099.62	7,326.96	7,268.13	58.83	124.551		
7,350.00	7,074.61	6,611.48	6,573.48	36.76	29.46	-37.02	-1,932.32	-6,099.62	7,286.33	7,227.48	58.85	123.811		
7,400.00	7,093.19	6,661.29	6,623.29	37.27	29.69	-41.22	-1,932.32	-6,099.62	7,244.01	7,185.13	58.88	123.030		
7,450.00	7,108.07	6,711.10	6,673.10	37.81	29.92	-46.56	-1,932.32	-6,099.62	7,200.22	7,141.31	58.92	122.207		
7,500.00	7,119.17	6,760.91	6,722.91	38.39	30.15	-53.39	-1,932.32	-6,099.62	7,155.22	7,096.25	58.97	121.342		
7,550.00	7,126.41	6,810.72	6,772.72	38.99	30.38	-62.00	-1,932.32	-6,099.62	7,109.26	7,050.23	59.03	120.437		
7,600.00	7,129.75	6,860.53	6,822.53	39.62	30.61	-72.56	-1,932.32	-6,099.62	7,062.60	7,003.50	59.11	119.492		
7,616.41	7,130.00	6,860.78	6,822.78	39.83	30.82	-76.42	-1,932.32	-6,099.62	7,047.19	6,988.05	59.13	119.172		
7,700.00	7,130.16	6,910.59	6,872.59	40.97	31.05	-76.42	-1,932.32	-6,099.62	6,968.61	6,909.32	59.29	117.527		
7,800.00	7,130.35	6,960.40	6,922.40	42.46	31.28	-76.42	-1,932.32	-6,099.62	6,874.77	6,815.25	59.52	115.502		
7,900.00	7,130.55	7,010.21	6,972.21	44.09	31.51	-76.42	-1,932.32	-6,099.62	6,781.11	6,721.32	59.79	113.415		
8,000.00	7,130.74	7,060.02	7,022.02	45.84	31.74	-76.42	-1,932.32	-6,099.62	6,687.63	6,627.52	60.10	111.267		
8,100.00	7,130.94	7,109.83	7,071.83	47.70	31.97	-76.42	-1,932.32	-6,099.62	6,594.34	6,533.87	60.47	109.059		
8,200.00	7,131.13	7,159.64	7,121.64	49.65	32.20	-76.42	-1,932.32	-6,099.62	6,501.25	6,440.37	60.88	106.795		
8,300.00	7,131.32	7,209.45	7,171.45	51.70	32.43	-76.42	-1,932.32	-6,099.62	6,408.37	6,347.03	61.34	104.477		
8,400.00	7,131.52	7,259.26	7,221.26	53.81	32.66	-76.42	-1,932.32	-6,099.62	6,315.70	6,253.85	61.85	102.108		
8,500.00	7,131.71	7,309.07	7,271.07	55.99	32.89	-76.42	-1,932.32	-6,099.62	6,223.27	6,160.84	62.42	99.693		
8,600.00	7,131.90	7,358.88	7,320.88	58.24	33.12	-76.42	-1,932.32	-6,099.62	6,131.07	6,068.01	63.05	97.236		
8,700.00	7,132.10	7,408.69	7,370.69	60.53	33.35	-76.42	-1,932.32	-6,099.62	6,039.12	5,975.37	63.74	94.742		
8,800.00	7,132.29	7,458.50	7,420.50	62.87	33.58	-76.42	-1,932.32	-6,099.62	5,947.43	5,882.93	64.49	92.217		
8,900.00	7,132.49	7,508.31	7,470.31	65.25	33.81	-76.42	-1,932.32	-6,099.62	5,856.01	5,790.70	65.31	89.666		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	6,600.00	6,566.07	67.68	28.37	-76.42	-1,932.32	-6,099.62	5,764.87	5,698.68	66.19	87.096		
9,100.00	7,132.87	6,600.00	6,566.07	70.13	28.37	-76.42	-1,932.32	-6,099.62	5,674.04	5,606.90	67.14	84.512		
9,200.00	7,133.07	6,600.00	6,566.07	72.61	28.37	-76.42	-1,932.32	-6,099.62	5,583.51	5,515.36	68.16	81.921		
9,300.00	7,133.26	6,600.00	6,566.07	75.13	28.37	-76.42	-1,932.32	-6,099.62	5,493.32	5,424.07	69.25	79.328		
9,400.00	7,133.46	6,600.00	6,566.07	77.66	28.37	-76.42	-1,932.32	-6,099.62	5,403.47	5,333.06	70.41	76.740		
9,500.00	7,133.65	6,600.00	6,566.07	80.22	28.37	-76.42	-1,932.32	-6,099.62	5,313.98	5,242.33	71.65	74.163		
9,600.00	7,133.84	6,600.00	6,566.07	82.80	28.37	-76.42	-1,932.32	-6,099.62	5,224.88	5,151.91	72.97	71.602		
9,700.00	7,134.04	6,600.00	6,566.07	85.40	28.37	-76.42	-1,932.32	-6,099.62	5,136.18	5,061.81	74.37	69.064		
9,800.00	7,134.23	6,600.00	6,566.07	88.01	28.37	-76.42	-1,932.32	-6,099.62	5,047.89	4,972.05	75.85	66.552		
9,900.00	7,134.43	6,600.00	6,566.07	90.64	28.37	-76.42	-1,932.32	-6,099.62	4,960.06	4,882.65	77.41	64.073		
10,000.00	7,134.62	6,600.00	6,566.07	93.28	28.37	-76.42	-1,932.32	-6,099.62	4,872.69	4,793.63	79.06	61.630		
10,100.00	7,134.81	6,600.00	6,566.07	95.94	28.37	-76.42	-1,932.32	-6,099.62	4,785.82	4,705.01	80.80	59.229		
10,200.00	7,135.01	6,600.00	6,566.07	98.61	28.37	-76.42	-1,932.32	-6,099.62	4,699.47	4,616.83	82.63	56.872		
10,300.00	7,135.20	6,600.00	6,566.07	101.28	28.37	-76.42	-1,932.32	-6,099.62	4,613.67	4,529.11	84.56	54.563		
10,400.00	7,135.39	6,600.00	6,566.07	103.97	28.37	-76.42	-1,932.32	-6,099.62	4,528.45	4,441.87	86.58	52.305		
10,500.00	7,135.59	6,600.00	6,566.07	106.67	28.37	-76.42	-1,932.32	-6,099.62	4,443.85	4,355.15	88.70	50.101		
10,600.00	7,135.78	6,600.00	6,566.07	109.38	28.37	-76.42	-1,932.32	-6,099.62	4,359.90	4,268.98	90.92	47.953		
10,700.00	7,135.98	6,600.00	6,566.07	112.09	28.37	-76.42	-1,932.32	-6,099.62	4,276.64	4,183.40	93.25	45.864		
10,800.00	7,136.17	6,600.00	6,566.07	114.81	28.37	-76.42	-1,932.32	-6,099.62	4,194.12	4,098.43	95.68	43.834		
10,900.00	7,136.36	6,600.00	6,566.07	117.54	28.37	-76.42	-1,932.32	-6,099.62	4,112.36	4,014.14	98.23	41.866		
11,000.00	7,136.56	6,600.00	6,566.07	120.28	28.37	-76.42	-1,932.32	-6,099.62	4,031.44	3,930.55	100.89	39.960		
11,100.00	7,136.75	6,600.00	6,566.07	123.02	28.37	-76.42	-1,932.32	-6,099.62	3,951.38	3,847.72	103.66	38.118		
11,200.00	7,136.95	6,600.00	6,566.07	125.76	28.37	-76.42	-1,932.32	-6,099.62	3,872.25	3,765.70	106.56	36.340		
11,300.00	7,137.14	6,600.00	6,566.07	128.52	28.37	-76.42	-1,932.32	-6,099.62	3,794.11	3,684.54	109.57	34.626		
11,400.00	7,137.33	6,600.00	6,566.07	131.27	28.37	-76.42	-1,932.32	-6,099.62	3,717.02	3,604.30	112.72	32.976		
11,500.00	7,137.53	6,600.00	6,566.07	134.03	28.37	-76.42	-1,932.32	-6,099.62	3,641.04	3,525.05	115.99	31.391		
11,600.00	7,137.72	6,600.00	6,566.07	136.80	28.37	-76.42	-1,932.32	-6,099.62	3,566.24	3,446.86	119.39	29.871		
11,700.00	7,137.92	6,600.00	6,566.07	139.57	28.37	-76.42	-1,932.32	-6,099.62	3,492.71	3,369.79	122.92	28.415		
11,800.00	7,138.11	6,600.00	6,566.07	142.34	28.37	-76.42	-1,932.32	-6,099.62	3,420.52	3,293.94	126.58	27.022		
11,900.00	7,138.30	6,600.00	6,566.07	145.12	28.37	-76.42	-1,932.32	-6,099.62	3,349.76	3,219.38	130.38	25.693		
12,000.00	7,138.50	6,600.00	6,566.07	147.90	28.37	-76.42	-1,932.32	-6,099.62	3,280.52	3,146.22	134.31	24.426		
12,100.00	7,138.69	6,600.00	6,566.07	150.68	28.37	-76.42	-1,932.32	-6,099.62	3,212.91	3,074.54	138.37	23.220		
12,200.00	7,138.88	6,600.00	6,566.07	153.47	28.37	-76.42	-1,932.32	-6,099.62	3,147.02	3,004.46	142.55	22.076		
12,300.00	7,139.08	6,600.00	6,566.07	156.26	28.37	-76.42	-1,932.32	-6,099.62	3,082.96	2,936.10	146.86	20.992		
12,400.00	7,139.27	6,600.00	6,566.07	159.05	28.37	-76.42	-1,932.32	-6,099.62	3,020.86	2,869.57	151.29	19.967		
12,500.00	7,139.47	6,600.00	6,566.07	161.85	28.37	-76.42	-1,932.32	-6,099.62	2,960.83	2,805.00	155.83	19.000		
12,600.00	7,139.66	6,600.00	6,566.07	164.64	28.37	-76.42	-1,932.32	-6,099.62	2,903.01	2,742.54	160.47	18.091		
12,700.00	7,139.85	6,600.00	6,566.07	167.44	28.37	-76.42	-1,932.32	-6,099.62	2,847.52	2,682.32	165.20	17.237		
12,800.00	7,140.05	6,600.00	6,566.07	170.24	28.37	-76.42	-1,932.32	-6,099.62	2,794.52	2,624.51	170.00	16.438		
12,900.00	7,140.24	6,600.00	6,566.07	173.05	28.37	-76.42	-1,932.32	-6,099.62	2,744.13	2,569.27	174.86	15.693		
13,000.00	7,140.44	6,600.00	6,566.07	175.85	28.37	-76.42	-1,932.32	-6,099.62	2,696.52	2,516.75	179.76	15.000		
13,100.00	7,140.63	6,600.00	6,566.07	178.66	28.37	-76.42	-1,932.32	-6,099.62	2,651.82	2,467.14	184.68	14.359		
13,200.00	7,140.82	6,600.00	6,566.07	181.47	28.37	-76.42	-1,932.32	-6,099.62	2,610.19	2,420.61	189.58	13.768		
13,300.00	7,141.02	6,600.00	6,566.07	184.28	28.37	-76.42	-1,932.32	-6,099.62	2,571.77	2,377.33	194.44	13.227		
13,400.00	7,141.21	6,600.00	6,566.07	187.10	28.37	-76.42	-1,932.32	-6,099.62	2,536.72	2,337.49	199.23	12.733		
13,500.00	7,141.41	6,600.00	6,566.07	189.91	28.37	-76.42	-1,932.32	-6,099.62	2,505.17	2,301.25	203.92	12.285		
13,600.00	7,141.60	6,600.00	6,566.07	192.73	28.37	-76.42	-1,932.32	-6,099.62	2,477.26	2,268.79	208.47	11.883		
13,700.00	7,141.79	6,600.00	6,566.07	195.54	28.37	-76.42	-1,932.32	-6,099.62	2,453.11	2,240.26	212.85	11.525		
13,800.00	7,141.99	6,600.00	6,566.07	198.36	28.37	-76.42	-1,932.32	-6,099.62	2,432.84	2,215.81	217.03	11.210		
13,900.00	7,142.18	6,600.00	6,566.07	201.18	28.37	-76.42	-1,932.32	-6,099.62	2,416.53	2,195.57	220.96	10.936		
14,000.00	7,142.37	6,600.00	6,566.07	204.01	28.37	-76.42	-1,932.32	-6,099.62	2,404.28	2,179.66	224.63	10.703		
14,100.00	7,142.57	6,600.00	6,566.07	206.83	28.37	-76.42	-1,932.32	-6,099.62	2,396.14	2,168.15	227.99	10.510		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	6,600.00	6,566.07	209.65	28.37	-76.42	-1,932.32	-6,099.62	2,392.16	2,161.13	231.04	10.354		
14,245.32	7,142.85	6,600.00	6,566.07	210.93	28.37	-76.42	-1,932.32	-6,099.62	2,391.73	2,159.43	232.30	10.296 CC		
14,300.00	7,142.96	6,600.00	6,566.07	212.48	28.37	-76.42	-1,932.32	-6,099.62	2,392.36	2,158.62	233.74	10.235 ES		
14,400.00	7,143.15	6,600.00	6,566.07	215.30	28.37	-76.42	-1,932.32	-6,099.62	2,396.73	2,160.64	236.09	10.152		
14,500.00	7,143.34	6,600.00	6,566.07	218.13	28.37	-76.42	-1,932.32	-6,099.62	2,405.25	2,167.18	238.07	10.103		
14,600.00	7,143.54	6,600.00	6,566.07	220.96	28.37	-76.42	-1,932.32	-6,099.62	2,417.89	2,178.20	239.69	10.088 SF		
14,700.00	7,143.73	6,600.00	6,566.07	223.79	28.37	-76.42	-1,932.32	-6,099.62	2,434.57	2,193.62	240.94	10.104		
14,800.00	7,143.93	6,600.00	6,566.07	226.62	28.37	-76.42	-1,932.32	-6,099.62	2,455.21	2,213.37	241.85	10.152		
14,838.32	7,144.00	6,600.00	6,566.07	227.70	28.37	-76.42	-1,932.32	-6,099.62	2,464.15	2,222.05	242.10	10.178		
14,900.00	7,144.12	6,600.00	6,566.07	229.45	28.37	-76.49	-1,932.32	-6,099.62	2,479.09	2,236.69	242.40	10.227		
15,000.00	7,144.32	6,600.00	6,566.07	232.26	28.37	-76.60	-1,932.32	-6,099.62	2,503.72	2,261.11	242.61	10.320		
15,027.81	7,144.37	6,600.00	6,566.07	233.04	28.37	-76.63	-1,932.32	-6,099.62	2,510.65	2,268.05	242.60	10.349		
15,100.00	7,144.51	6,600.00	6,566.07	235.07	28.37	-76.63	-1,932.32	-6,099.62	2,529.66	2,287.18	242.48	10.433		
15,200.00	7,144.71	6,600.00	6,566.07	237.87	28.37	-76.63	-1,932.32	-6,099.62	2,559.12	2,317.06	242.06	10.572		
15,300.00	7,144.91	6,600.00	6,566.07	240.68	28.37	-76.63	-1,932.32	-6,099.62	2,592.11	2,350.75	241.36	10.739		
15,400.00	7,145.10	6,600.00	6,566.07	243.48	28.37	-76.63	-1,932.32	-6,099.62	2,628.49	2,388.07	240.42	10.933		
15,500.00	7,145.30	6,600.00	6,566.07	246.29	28.37	-76.63	-1,932.32	-6,099.62	2,668.12	2,428.86	239.26	11.152		
15,600.00	7,145.50	6,600.00	6,566.07	249.10	28.37	-76.63	-1,932.32	-6,099.62	2,710.86	2,472.97	237.89	11.395		
15,700.00	7,145.69	6,600.00	6,566.07	251.91	28.37	-76.63	-1,932.32	-6,099.62	2,756.58	2,520.22	236.36	11.663		
15,800.00	7,145.89	6,600.00	6,566.07	254.71	28.37	-76.63	-1,932.32	-6,099.62	2,805.11	2,570.44	234.67	11.953		
15,900.00	7,146.09	6,600.00	6,566.07	257.52	28.37	-76.63	-1,932.32	-6,099.62	2,856.32	2,623.46	232.86	12.266		
16,000.00	7,146.28	6,600.00	6,566.07	260.34	28.37	-76.63	-1,932.32	-6,099.62	2,910.06	2,679.12	230.94	12.601		
16,100.00	7,146.48	6,600.00	6,566.07	263.15	28.37	-76.63	-1,932.32	-6,099.62	2,966.21	2,737.26	228.94	12.956		
16,200.00	7,146.68	6,600.00	6,566.07	265.96	28.37	-76.63	-1,932.32	-6,099.62	3,024.62	2,797.74	226.88	13.332		
16,300.00	7,146.87	6,600.00	6,566.07	268.77	28.37	-76.63	-1,932.32	-6,099.62	3,085.16	2,860.41	224.76	13.727		
16,400.00	7,147.07	6,600.00	6,566.07	271.58	28.37	-76.63	-1,932.32	-6,099.62	3,147.72	2,925.12	222.60	14.141		
16,500.00	7,147.27	6,600.00	6,566.07	274.40	28.37	-76.63	-1,932.32	-6,099.62	3,212.18	2,991.75	220.43	14.573		
16,600.00	7,147.46	6,600.00	6,566.07	277.21	28.37	-76.63	-1,932.32	-6,099.62	3,278.41	3,060.18	218.24	15.022		
16,700.00	7,147.66	6,600.00	6,566.07	280.03	28.37	-76.63	-1,932.32	-6,099.62	3,346.33	3,130.28	216.05	15.489		
16,800.00	7,147.86	6,600.00	6,566.07	282.84	28.37	-76.63	-1,932.32	-6,099.62	3,415.82	3,201.95	213.87	15.972		
16,900.00	7,148.05	6,600.00	6,566.07	285.66	28.37	-76.63	-1,932.32	-6,099.62	3,486.80	3,275.10	211.70	16.470		
17,000.00	7,148.25	6,600.00	6,566.07	288.48	28.37	-76.63	-1,932.32	-6,099.62	3,559.17	3,349.61	209.56	16.984		
17,100.00	7,148.45	6,600.00	6,566.07	291.29	28.37	-76.63	-1,932.32	-6,099.62	3,632.85	3,425.41	207.44	17.513		
17,200.00	7,148.64	6,600.00	6,566.07	294.11	28.37	-76.63	-1,932.32	-6,099.62	3,707.77	3,502.42	205.35	18.056		
17,300.00	7,148.84	6,600.00	6,566.07	296.93	28.37	-76.63	-1,932.32	-6,099.62	3,783.84	3,580.54	203.30	18.613		
17,400.00	7,149.04	6,600.00	6,566.07	299.75	28.37	-76.63	-1,932.32	-6,099.62	3,861.01	3,659.73	201.28	19.182		
17,500.00	7,149.23	6,600.00	6,566.07	302.57	28.37	-76.63	-1,932.32	-6,099.62	3,939.20	3,739.90	199.30	19.765		
17,600.00	7,149.43	6,600.00	6,566.07	305.39	28.37	-76.63	-1,932.32	-6,099.62	4,018.36	3,820.99	197.37	20.360		
17,700.00	7,149.63	6,600.00	6,566.07	308.21	28.37	-76.63	-1,932.32	-6,099.62	4,098.43	3,902.96	195.47	20.967		
17,800.00	7,149.82	6,600.00	6,566.07	311.03	28.37	-76.63	-1,932.32	-6,099.62	4,179.36	3,985.74	193.62	21.585		
17,900.00	7,150.02	6,600.00	6,566.07	313.85	28.37	-76.63	-1,932.32	-6,099.62	4,261.10	4,069.29	191.81	22.215		
18,000.00	7,150.22	6,600.00	6,566.07	316.67	28.37	-76.63	-1,932.32	-6,099.62	4,343.60	4,153.55	190.05	22.855		
18,100.00	7,150.41	6,600.00	6,566.07	319.49	28.37	-76.63	-1,932.32	-6,099.62	4,426.83	4,238.50	188.33	23.505		
18,200.00	7,150.61	6,600.00	6,566.07	322.32	28.37	-76.63	-1,932.32	-6,099.62	4,510.74	4,324.08	186.66	24.166		
18,300.00	7,150.81	6,600.00	6,566.07	325.14	28.37	-76.63	-1,932.32	-6,099.62	4,595.29	4,410.26	185.02	24.836		
18,400.00	7,151.00	6,600.00	6,566.07	327.96	28.37	-76.63	-1,932.32	-6,099.62	4,680.45	4,497.01	183.43	25.516		
18,500.00	7,151.20	6,634.81	6,600.05	330.78	28.47	-77.45	-1,939.84	-6,099.62	4,765.68	4,583.21	182.47	26.118		
18,600.00	7,151.40	6,635.13	6,600.36	333.61	28.47	-77.46	-1,939.92	-6,099.62	4,851.96	4,671.00	180.96	26.812		
18,700.00	7,151.59	6,635.46	6,600.68	336.43	28.47	-77.47	-1,939.99	-6,099.62	4,938.76	4,759.27	179.50	27.515		
18,800.00	7,151.79	6,635.78	6,600.99	339.26	28.47	-77.47	-1,940.07	-6,099.62	5,026.06	4,847.99	178.07	28.225		
18,906.26	7,152.00	6,636.13	6,601.33	342.26	28.47	-77.48	-1,940.15	-6,099.62	5,119.32	4,942.73	176.59	28.989		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.11	-2,197.93	-5,694.27	6,103.74					
100.00	100.00	85.00	85.00	3.28	3.29	-111.11	-2,197.93	-5,694.27	6,103.74	6,097.17	6.57	929.031		
200.00	200.00	185.00	185.00	3.34	3.31	-111.11	-2,197.93	-5,694.27	6,103.74	6,097.09	6.64	918.952		
300.00	299.98	284.98	284.98	3.44	3.34	168.89	-2,197.93	-5,694.27	6,105.45	6,098.67	6.78	900.192		
400.00	399.84	384.84	384.84	3.60	3.39	168.88	-2,197.93	-5,694.27	6,110.58	6,103.60	6.99	874.376		
500.00	499.45	484.45	484.45	3.81	3.45	168.86	-2,197.93	-5,694.27	6,119.14	6,111.88	7.26	843.398		
600.00	598.70	583.70	583.70	4.06	3.52	168.84	-2,197.93	-5,694.27	6,131.10	6,123.52	7.58	809.307		
700.00	697.47	682.47	682.47	4.34	3.61	168.81	-2,197.93	-5,694.27	6,146.45	6,138.51	7.94	773.825		
785.50	781.43	766.43	766.43	4.61	3.69	168.77	-2,197.93	-5,694.27	6,162.25	6,153.96	8.29	743.317		
800.00	795.63	780.63	780.63	4.66	3.70	168.78	-2,197.93	-5,694.27	6,165.14	6,156.79	8.35	737.910		
900.00	893.55	878.55	878.55	5.02	3.80	168.81	-2,197.93	-5,694.27	6,185.07	6,176.28	8.79	703.947		
1,000.00	991.47	867.46	867.45	5.40	3.87	168.82	-2,197.65	-5,695.01	6,206.55	6,197.35	9.19	675.077		
1,100.00	1,089.39	900.00	899.98	5.80	3.94	168.83	-2,197.31	-5,695.90	6,228.67	6,219.04	9.63	646.749		
1,200.00	1,187.31	941.57	941.51	6.21	4.05	168.86	-2,196.69	-5,697.54	6,251.73	6,241.62	10.11	618.649		
1,300.00	1,285.22	1,000.00	999.84	6.64	4.20	168.90	-2,195.45	-5,700.79	6,275.83	6,265.19	10.64	589.831		
1,400.00	1,383.14	1,000.00	999.84	7.08	4.20	168.90	-2,195.45	-5,700.79	6,300.72	6,289.69	11.03	571.486		
1,500.00	1,481.06	1,051.08	1,050.76	7.52	4.35	168.95	-2,194.02	-5,704.55	6,326.54	6,314.98	11.56	547.173		
1,600.00	1,578.98	1,100.00	1,099.45	7.98	4.49	168.99	-2,192.35	-5,708.94	6,353.36	6,341.26	12.10	524.941		
1,700.00	1,676.90	1,100.00	1,099.45	8.44	4.49	168.99	-2,192.35	-5,708.94	6,381.14	6,368.65	12.50	510.655		
1,800.00	1,774.82	1,158.38	1,157.45	8.90	4.68	169.06	-2,189.97	-5,715.19	6,409.65	6,396.57	13.08	489.992		
1,900.00	1,872.74	1,200.00	1,198.70	9.37	4.82	169.11	-2,188.01	-5,720.32	6,439.18	6,425.56	13.62	472.874		
2,000.00	1,970.66	1,228.56	1,226.97	9.84	4.92	169.14	-2,186.55	-5,724.17	6,469.59	6,455.48	14.11	458.462		
2,100.00	2,068.57	1,298.70	1,296.28	10.32	5.18	169.23	-2,182.72	-5,734.23	6,500.74	6,485.98	14.77	440.276		
2,200.00	2,166.49	1,407.23	1,389.23	10.80	5.62	169.35	-2,177.57	-5,747.76	6,532.00	6,516.41	15.58	419.174		
2,300.00	2,264.41	1,486.85	1,482.18	11.28	5.95	169.47	-2,172.42	-5,761.28	6,563.28	6,546.97	16.31	402.369		
2,400.00	2,362.33	1,580.92	1,575.13	11.76	6.36	169.59	-2,167.27	-5,774.81	6,594.58	6,577.47	17.11	385.419		
2,500.00	2,460.25	1,674.99	1,668.08	12.24	6.79	169.71	-2,162.12	-5,788.34	6,625.92	6,607.99	17.92	369.712		
2,600.00	2,558.17	1,769.06	1,761.03	12.73	7.22	169.82	-2,156.97	-5,801.87	6,657.27	6,638.53	18.74	355.160		
2,700.00	2,656.09	1,863.13	1,853.98	13.22	7.67	169.94	-2,151.82	-5,815.40	6,688.66	6,669.08	19.58	341.671		
2,800.00	2,754.01	1,957.20	1,946.93	13.71	8.12	170.05	-2,146.67	-5,828.93	6,720.06	6,699.65	20.42	329.156		
2,900.00	2,851.92	2,051.27	2,039.88	14.20	8.58	170.17	-2,141.52	-5,842.46	6,751.49	6,730.23	21.26	317.531		
3,000.00	2,949.84	2,145.34	2,132.83	14.69	9.04	170.28	-2,136.37	-5,855.98	6,782.95	6,760.83	22.11	306.718		
3,100.00	3,047.76	2,239.41	2,225.78	15.18	9.51	170.39	-2,131.22	-5,869.51	6,814.43	6,791.46	22.97	296.644		
3,200.00	3,145.68	2,333.48	2,318.73	15.67	9.99	170.50	-2,126.07	-5,883.04	6,845.93	6,822.10	23.83	287.244		
3,300.00	3,243.60	2,427.56	2,411.68	16.17	10.46	170.61	-2,120.92	-5,896.57	6,877.45	6,852.76	24.70	278.459		
3,400.00	3,341.52	2,521.63	2,504.63	16.66	10.95	170.72	-2,115.76	-5,910.10	6,909.00	6,883.44	25.57	270.235		
3,500.00	3,439.44	2,615.70	2,597.58	17.16	11.43	170.83	-2,110.61	-5,923.63	6,940.57	6,914.14	26.44	262.524		
3,600.00	3,537.36	2,709.77	2,690.53	17.65	11.91	170.93	-2,105.46	-5,937.16	6,972.17	6,944.85	27.31	255.282		
3,700.00	3,635.27	2,803.84	2,783.48	18.15	12.40	171.04	-2,100.31	-5,950.68	7,003.78	6,975.59	28.19	248.470		
3,800.00	3,733.19	2,902.09	2,876.43	18.65	12.91	171.14	-2,095.16	-5,964.21	7,035.42	7,006.33	29.09	241.891		
3,900.00	3,831.11	3,008.02	2,969.39	19.14	13.47	171.25	-2,090.01	-5,977.74	7,067.07	7,037.05	30.02	235.408		
4,000.00	3,929.03	3,086.05	3,062.34	19.64	13.87	171.35	-2,084.86	-5,991.27	7,098.75	7,067.92	30.83	230.281		
4,100.00	4,026.95	3,180.12	3,155.29	20.14	14.37	171.45	-2,079.71	-6,004.80	7,130.45	7,098.74	31.71	224.871		
4,200.00	4,124.87	3,274.19	3,248.24	20.64	14.86	171.55	-2,074.56	-6,018.33	7,162.17	7,129.57	32.59	219.746		
4,300.00	4,222.79	3,368.26	3,341.19	21.14	15.36	171.65	-2,069.41	-6,031.86	7,193.91	7,160.43	33.48	214.886		
4,400.00	4,320.71	3,462.34	3,434.14	21.64	15.86	171.75	-2,064.26	-6,045.39	7,225.66	7,191.30	34.36	210.270		
4,500.00	4,418.62	3,556.41	3,527.09	22.14	16.35	171.85	-2,059.11	-6,058.91	7,257.44	7,222.19	35.25	205.881		
4,600.00	4,516.54	3,650.48	3,620.04	22.64	16.85	171.95	-2,053.96	-6,072.44	7,289.24	7,253.10	36.14	201.704		
4,700.00	4,614.46	3,744.55	3,712.99	23.14	17.35	172.04	-2,048.81	-6,085.97	7,321.06	7,284.03	37.03	197.723		
4,800.00	4,712.38	3,838.62	3,805.94	23.64	17.85	172.14	-2,043.66	-6,099.50	7,352.89	7,314.98	37.92	193.926		
4,900.00	4,810.30	3,932.69	3,898.89	24.14	18.35	172.23	-2,038.51	-6,113.03	7,384.75	7,345.94	38.81	190.301		
5,000.00	4,908.22	4,026.76	3,991.84	24.64	18.86	172.33	-2,033.36	-6,126.56	7,416.62	7,376.92	39.70	186.836		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,120.83	4,084.79	25.14	19.36	172.42	-2,028.21	-6,140.09	7,448.51	7,407.92	40.59	183.521		
5,200.00	5,104.06	4,214.90	4,177.74	25.64	19.86	172.51	-2,023.06	-6,153.61	7,480.42	7,438.94	41.48	180.348		
5,300.00	5,201.97	4,308.97	4,270.69	26.14	20.36	172.60	-2,017.91	-6,167.14	7,512.34	7,469.97	42.37	177.306		
5,400.00	5,299.89	4,403.04	4,363.64	26.64	20.87	172.70	-2,012.76	-6,180.67	7,544.29	7,501.03	43.26	174.388		
5,500.00	5,397.81	4,497.12	4,456.59	27.15	21.37	172.79	-2,007.61	-6,194.20	7,576.25	7,532.09	44.15	171.588		
5,600.00	5,495.73	4,608.81	4,549.54	27.65	21.97	172.88	-2,002.45	-6,207.73	7,608.23	7,563.09	45.13	168.581		
5,700.00	5,593.65	4,685.26	4,642.49	28.15	22.38	172.96	-1,997.30	-6,221.26	7,640.22	7,594.28	45.94	166.311		
5,800.00	5,691.57	4,779.33	4,735.44	28.65	22.88	173.05	-1,992.15	-6,234.79	7,672.23	7,625.40	46.83	163.822		
5,900.00	5,789.49	4,873.40	4,828.39	29.15	23.39	173.14	-1,987.00	-6,248.31	7,704.26	7,656.53	47.73	161.427		
6,000.00	5,887.41	4,967.47	4,921.35	29.66	23.89	173.23	-1,981.85	-6,261.84	7,736.30	7,687.68	48.62	159.118		
6,100.00	5,985.32	5,061.54	5,014.30	30.16	24.40	173.31	-1,976.70	-6,275.37	7,768.36	7,718.85	49.51	156.893		
6,200.00	6,083.24	5,155.61	5,107.25	30.66	24.90	173.40	-1,971.55	-6,288.90	7,800.44	7,750.03	50.41	154.747		
6,300.00	6,181.16	5,249.68	5,200.20	31.16	25.41	173.48	-1,966.40	-6,302.43	7,832.53	7,781.22	51.30	152.675		
6,400.00	6,279.08	5,343.75	5,293.15	31.67	25.92	173.57	-1,961.25	-6,315.96	7,864.63	7,812.44	52.20	150.673		
6,490.03	6,367.24	5,428.45	5,378.83	32.12	26.37	173.64	-1,956.61	-6,328.14	7,893.55	7,840.55	53.00	148.929		
6,500.00	6,377.01	5,437.85	5,386.12	32.17	26.42	174.66	-1,956.10	-6,329.49	7,896.68	7,843.59	53.09	148.740		
6,550.00	6,426.43	5,485.73	5,433.44	32.40	26.68	-176.50	-1,953.48	-6,336.38	7,910.25	7,856.71	53.53	147.762		
6,600.00	6,476.27	5,534.59	5,481.71	32.61	26.94	-141.55	-1,950.80	-6,343.40	7,920.17	7,866.20	53.97	146.749		
6,650.00	6,526.21	5,584.13	5,530.66	32.80	27.21	-55.13	-1,948.09	-6,350.53	7,926.39	7,871.99	54.39	145.721		
6,700.00	6,575.96	5,634.04	5,579.97	32.98	27.48	-34.01	-1,945.36	-6,357.70	7,928.86	7,874.06	54.80	144.682		
6,750.00	6,625.19	5,682.41	5,623.22	33.16	31.80	-28.10	-1,941.38	-6,430.23	7,923.40	7,863.53	59.86	132.360		
6,800.00	6,673.62	6,600.00	6,540.78	33.35	31.86	-25.49	-1,919.29	-6,430.23	7,912.91	7,852.85	60.06	131.759		
6,850.00	6,720.94	6,600.00	6,540.78	33.55	31.86	-24.21	-1,919.29	-6,430.23	7,899.01	7,838.85	60.16	131.299		
6,900.00	6,766.86	6,600.00	6,540.78	33.76	31.86	-23.65	-1,919.29	-6,430.23	7,881.84	7,821.59	60.25	130.820		
6,950.00	6,811.10	6,600.00	6,540.78	33.98	31.86	-23.54	-1,919.29	-6,430.23	7,861.49	7,801.17	60.32	130.321		
7,000.00	6,853.38	6,641.71	6,582.31	34.23	31.98	-23.90	-1,923.08	-6,430.23	7,837.64	7,777.09	60.54	129.456		
7,050.00	6,893.45	6,651.98	6,592.50	34.50	32.01	-24.51	-1,924.36	-6,430.23	7,811.00	7,750.37	60.63	128.824		
7,100.00	6,931.05	6,661.56	6,601.99	34.79	32.04	-25.44	-1,925.68	-6,430.23	7,781.51	7,720.80	60.71	128.172		
7,150.00	6,965.96	6,700.00	6,639.88	35.12	32.16	-26.85	-1,932.16	-6,430.23	7,749.53	7,688.63	60.90	127.260		
7,200.00	6,997.96	6,700.00	6,639.88	35.47	32.16	-28.47	-1,932.16	-6,430.23	7,714.70	7,653.77	60.93	126.624		
7,250.00	7,026.85	6,700.00	6,639.88	35.86	32.16	-30.56	-1,932.16	-6,430.23	7,677.56	7,616.61	60.95	125.958		
7,300.00	7,052.45	6,700.00	6,639.88	36.29	32.16	-33.22	-1,932.16	-6,430.23	7,638.33	7,577.35	60.98	125.258		
7,350.00	7,074.61	6,700.00	6,639.88	36.76	32.16	-36.60	-1,932.16	-6,430.23	7,597.21	7,536.19	61.01	124.523		
7,400.00	7,093.19	6,700.00	6,639.88	37.27	32.16	-40.93	-1,932.16	-6,430.23	7,554.41	7,493.37	61.05	123.751		
7,450.00	7,108.07	6,700.00	6,639.88	37.81	32.16	-46.50	-1,932.16	-6,430.23	7,510.19	7,449.10	61.09	122.942		
7,500.00	7,119.17	6,700.00	6,639.88	38.39	32.16	-53.68	-1,932.16	-6,430.23	7,464.79	7,403.65	61.14	122.096		
7,550.00	7,126.41	6,700.00	6,639.88	38.99	32.16	-62.82	-1,932.16	-6,430.23	7,418.47	7,357.27	61.20	121.214		
7,600.00	7,129.75	6,700.00	6,639.88	39.62	32.16	-74.06	-1,932.16	-6,430.23	7,371.50	7,310.22	61.28	120.297		
7,616.41	7,130.00	6,700.00	6,639.88	39.83	32.16	-78.16	-1,932.16	-6,430.23	7,355.99	7,294.69	61.31	119.988		
7,700.00	7,130.16	6,700.00	6,639.88	40.97	32.16	-78.16	-1,932.16	-6,430.23	7,276.95	7,215.49	61.46	118.397		
7,800.00	7,130.35	6,700.00	6,639.88	42.46	32.16	-78.16	-1,932.16	-6,430.23	7,182.54	7,120.86	61.68	116.442		
7,900.00	7,130.55	6,700.00	6,639.88	44.09	32.16	-78.16	-1,932.16	-6,430.23	7,088.28	7,026.33	61.94	114.432		
8,000.00	7,130.74	6,700.00	6,639.88	45.84	32.16	-78.16	-1,932.16	-6,430.23	6,994.17	6,931.93	62.24	112.366		
8,100.00	7,130.94	6,700.00	6,639.88	47.70	32.16	-78.16	-1,932.16	-6,430.23	6,900.24	6,837.65	62.59	110.247		
8,200.00	7,131.13	6,700.00	6,639.88	49.65	32.16	-78.16	-1,932.16	-6,430.23	6,806.47	6,743.49	62.98	108.076		
8,300.00	7,131.32	6,700.00	6,639.88	51.70	32.16	-78.16	-1,932.16	-6,430.23	6,712.89	6,649.47	63.42	105.856		
8,400.00	7,131.52	6,700.00	6,639.88	53.81	32.16	-78.16	-1,932.16	-6,430.23	6,619.49	6,555.59	63.90	103.589		
8,500.00	7,131.71	6,700.00	6,639.88	55.99	32.16	-78.16	-1,932.16	-6,430.23	6,526.29	6,461.85	64.44	101.279		
8,600.00	7,131.90	6,700.00	6,639.88	58.24	32.16	-78.16	-1,932.16	-6,430.23	6,433.29	6,368.26	65.03	98.929		
8,700.00	7,132.10	6,700.00	6,639.88	60.53	32.16	-78.16	-1,932.16	-6,430.23	6,340.51	6,274.83	65.68	96.544		
8,800.00	7,132.29	6,700.00	6,639.88	62.87	32.16	-78.16	-1,932.16	-6,430.23	6,247.95	6,181.57	66.38	94.127		
8,900.00	7,132.49	6,700.00	6,639.88	65.25	32.16	-78.16	-1,932.16	-6,430.23	6,155.62	6,088.48	67.14	91.685		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	6,700.00	6,639.88	67.68	32.16	-78.16	-1,932.16	-6,430.23	6,063.54	5,995.57	67.96	89.221		
9,100.00	7,132.87	6,700.00	6,639.88	70.13	32.16	-78.16	-1,932.16	-6,430.23	5,971.70	5,902.86	68.85	86.740		
9,200.00	7,133.07	6,700.00	6,639.88	72.61	32.16	-78.16	-1,932.16	-6,430.23	5,880.14	5,810.35	69.79	84.249		
9,300.00	7,133.26	6,700.00	6,639.88	75.13	32.16	-78.16	-1,932.16	-6,430.23	5,788.86	5,718.05	70.81	81.752		
9,400.00	7,133.46	6,700.00	6,639.88	77.66	32.16	-78.16	-1,932.16	-6,430.23	5,697.86	5,625.97	71.89	79.255		
9,500.00	7,133.65	6,700.00	6,639.88	80.22	32.16	-78.16	-1,932.16	-6,430.23	5,607.18	5,534.13	73.05	76.763		
9,600.00	7,133.84	6,700.00	6,639.88	82.80	32.16	-78.16	-1,932.16	-6,430.23	5,516.82	5,442.55	74.27	74.280		
9,700.00	7,134.04	6,700.00	6,639.88	85.40	32.16	-78.16	-1,932.16	-6,430.23	5,426.79	5,351.22	75.57	71.812		
9,800.00	7,134.23	6,700.00	6,639.88	88.01	32.16	-78.16	-1,932.16	-6,430.23	5,337.12	5,260.18	76.94	69.365		
9,900.00	7,134.43	6,700.00	6,639.88	90.64	32.16	-78.16	-1,932.16	-6,430.23	5,247.82	5,169.43	78.39	66.941		
10,000.00	7,134.62	6,700.00	6,639.88	93.28	32.16	-78.16	-1,932.16	-6,430.23	5,158.92	5,078.99	79.93	64.546		
10,100.00	7,134.81	6,700.00	6,639.88	95.94	32.16	-78.16	-1,932.16	-6,430.23	5,070.43	4,988.89	81.54	62.183		
10,200.00	7,135.01	6,700.00	6,639.88	98.61	32.16	-78.16	-1,932.16	-6,430.23	4,982.37	4,899.13	83.24	59.856		
10,300.00	7,135.20	6,700.00	6,639.88	101.28	32.16	-78.16	-1,932.16	-6,430.23	4,894.78	4,809.75	85.02	57.569		
10,400.00	7,135.39	6,700.00	6,639.88	103.97	32.16	-78.16	-1,932.16	-6,430.23	4,807.67	4,720.77	86.90	55.325		
10,500.00	7,135.59	6,700.00	6,639.88	106.67	32.16	-78.16	-1,932.16	-6,430.23	4,721.06	4,632.20	88.87	53.126		
10,600.00	7,135.78	6,700.00	6,639.88	109.38	32.16	-78.16	-1,932.16	-6,430.23	4,635.00	4,544.08	90.93	50.975		
10,700.00	7,135.98	6,700.00	6,639.88	112.09	32.16	-78.16	-1,932.16	-6,430.23	4,549.51	4,456.42	93.09	48.874		
10,800.00	7,136.17	6,700.00	6,639.88	114.81	32.16	-78.16	-1,932.16	-6,430.23	4,464.62	4,369.28	95.34	46.826		
10,900.00	7,136.36	6,700.00	6,639.88	117.54	32.16	-78.16	-1,932.16	-6,430.23	4,380.37	4,282.66	97.71	44.831		
11,000.00	7,136.56	6,700.00	6,639.88	120.28	32.16	-78.16	-1,932.16	-6,430.23	4,296.79	4,196.62	100.18	42.892		
11,100.00	7,136.75	6,700.00	6,639.88	123.02	32.16	-78.16	-1,932.16	-6,430.23	4,213.93	4,111.18	102.76	41.009		
11,200.00	7,136.95	6,700.00	6,639.88	125.76	32.16	-78.16	-1,932.16	-6,430.23	4,131.83	4,026.38	105.45	39.183		
11,300.00	7,137.14	6,700.00	6,639.88	128.52	32.16	-78.16	-1,932.16	-6,430.23	4,050.54	3,942.28	108.26	37.416		
11,400.00	7,137.33	6,700.00	6,639.88	131.27	32.16	-78.16	-1,932.16	-6,430.23	3,970.09	3,858.91	111.19	35.707		
11,500.00	7,137.53	6,700.00	6,639.88	134.03	32.16	-78.16	-1,932.16	-6,430.23	3,890.56	3,776.32	114.24	34.057		
11,600.00	7,137.72	6,700.00	6,639.88	136.80	32.16	-78.16	-1,932.16	-6,430.23	3,811.99	3,694.57	117.41	32.467		
11,700.00	7,137.92	6,700.00	6,639.88	139.57	32.16	-78.16	-1,932.16	-6,430.23	3,734.44	3,613.72	120.72	30.935		
11,800.00	7,138.11	6,700.00	6,639.88	142.34	32.16	-78.16	-1,932.16	-6,430.23	3,657.98	3,533.83	124.15	29.463		
11,900.00	7,138.30	6,700.00	6,639.88	145.12	32.16	-78.16	-1,932.16	-6,430.23	3,582.69	3,454.96	127.72	28.050		
12,000.00	7,138.50	6,700.00	6,639.88	147.90	32.16	-78.16	-1,932.16	-6,430.23	3,508.62	3,377.20	131.43	26.696		
12,100.00	7,138.69	6,700.00	6,639.88	150.68	32.16	-78.16	-1,932.16	-6,430.23	3,435.88	3,300.61	135.27	25.400		
12,200.00	7,138.88	6,700.00	6,639.88	153.47	32.16	-78.16	-1,932.16	-6,430.23	3,364.53	3,225.28	139.25	24.162		
12,300.00	7,139.08	6,700.00	6,639.88	156.26	32.16	-78.16	-1,932.16	-6,430.23	3,294.67	3,151.30	143.36	22.981		
12,400.00	7,139.27	6,700.00	6,639.88	159.05	32.16	-78.16	-1,932.16	-6,430.23	3,226.40	3,078.78	147.62	21.857		
12,500.00	7,139.47	6,700.00	6,639.88	161.85	32.16	-78.16	-1,932.16	-6,430.23	3,159.82	3,007.82	152.00	20.788		
12,600.00	7,139.66	6,700.00	6,639.88	164.64	32.16	-78.16	-1,932.16	-6,430.23	3,095.03	2,938.52	156.51	19.775		
12,700.00	7,139.85	6,700.00	6,639.88	167.44	32.16	-78.16	-1,932.16	-6,430.23	3,032.17	2,871.02	161.15	18.816		
12,800.00	7,140.05	6,700.00	6,639.88	170.24	32.16	-78.16	-1,932.16	-6,430.23	2,971.34	2,805.44	165.90	17.910		
12,900.00	7,140.24	6,700.00	6,639.88	173.05	32.16	-78.16	-1,932.16	-6,430.23	2,912.67	2,741.91	170.76	17.057		
13,000.00	7,140.44	6,700.00	6,639.88	175.85	32.16	-78.16	-1,932.16	-6,430.23	2,856.30	2,680.59	175.71	16.256		
13,100.00	7,140.63	6,700.00	6,639.88	178.66	32.16	-78.16	-1,932.16	-6,430.23	2,802.36	2,621.62	180.74	15.505		
13,200.00	7,140.82	6,700.00	6,639.88	181.47	32.16	-78.16	-1,932.16	-6,430.23	2,751.01	2,565.18	185.83	14.804		
13,300.00	7,141.02	6,700.00	6,639.88	184.28	32.16	-78.16	-1,932.16	-6,430.23	2,702.38	2,511.42	190.96	14.152		
13,400.00	7,141.21	6,700.00	6,639.88	187.10	32.16	-78.16	-1,932.16	-6,430.23	2,656.62	2,460.52	196.10	13.547		
13,500.00	7,141.41	6,700.00	6,639.88	189.91	32.16	-78.16	-1,932.16	-6,430.23	2,613.89	2,412.65	201.24	12.989		
13,600.00	7,141.60	6,700.00	6,639.88	192.73	32.16	-78.16	-1,932.16	-6,430.23	2,574.34	2,368.01	206.33	12.477		
13,700.00	7,141.79	6,700.00	6,639.88	195.54	32.16	-78.16	-1,932.16	-6,430.23	2,538.12	2,326.76	211.35	12.009		
13,800.00	7,141.99	6,700.00	6,639.88	198.36	32.16	-78.16	-1,932.16	-6,430.23	2,505.36	2,289.09	216.27	11.585		
13,900.00	7,142.18	6,700.00	6,639.88	201.18	32.16	-78.16	-1,932.16	-6,430.23	2,476.21	2,255.17	221.04	11.203		
14,000.00	7,142.37	6,700.00	6,639.88	204.01	32.16	-78.16	-1,932.16	-6,430.23	2,450.80	2,225.17	225.63	10.862		
14,100.00	7,142.57	6,700.00	6,639.88	206.83	32.16	-78.16	-1,932.16	-6,430.23	2,429.24	2,199.25	230.00	10.562		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	6,700.00	6,639.88	209.65	32.16	-78.16	-1,932.16	-6,430.23	2,411.64	2,177.53	234.12	10.301		
14,300.00	7,142.96	6,700.00	6,639.88	212.48	32.16	-78.16	-1,932.16	-6,430.23	2,398.09	2,160.14	237.95	10.078		
14,400.00	7,143.15	6,700.00	6,639.88	215.30	32.16	-78.16	-1,932.16	-6,430.23	2,388.64	2,147.19	241.46	9.893		
14,500.00	7,143.34	6,700.00	6,639.88	218.13	32.16	-78.16	-1,932.16	-6,430.23	2,383.36	2,138.74	244.63	9.743		
14,576.00	7,143.49	6,700.00	6,639.88	220.28	32.16	-78.16	-1,932.16	-6,430.23	2,382.15	2,135.36	246.79	9.653 CC		
14,600.00	7,143.54	6,700.00	6,639.88	220.96	32.16	-78.16	-1,932.16	-6,430.23	2,382.27	2,134.85	247.43	9.628 ES		
14,700.00	7,143.73	6,700.00	6,639.88	223.79	32.16	-78.16	-1,932.16	-6,430.23	2,385.38	2,135.53	249.85	9.547		
14,800.00	7,143.93	6,700.00	6,639.88	226.62	32.16	-78.16	-1,932.16	-6,430.23	2,392.66	2,140.78	251.88	9.499		
14,838.32	7,144.00	6,700.00	6,639.88	227.70	32.16	-78.16	-1,932.16	-6,430.23	2,396.55	2,144.00	252.55	9.489		
14,900.00	7,144.12	6,700.00	6,639.88	229.45	32.16	-78.19	-1,932.16	-6,430.23	2,403.44	2,149.93	253.51	9.481 SF		
15,000.00	7,144.32	6,700.00	6,639.88	232.26	32.16	-78.23	-1,932.16	-6,430.23	2,415.18	2,160.45	254.73	9.481		
15,027.81	7,144.37	6,700.00	6,639.88	233.04	32.16	-78.25	-1,932.16	-6,430.23	2,418.57	2,163.58	254.99	9.485		
15,100.00	7,144.51	6,700.00	6,639.88	235.07	32.16	-78.25	-1,932.16	-6,430.23	2,428.49	2,172.95	255.55	9.503		
15,200.00	7,144.71	6,700.00	6,639.88	237.87	32.16	-78.25	-1,932.16	-6,430.23	2,445.69	2,189.70	255.99	9.554		
15,300.00	7,144.91	6,700.00	6,639.88	240.68	32.16	-78.25	-1,932.16	-6,430.23	2,466.83	2,210.76	256.07	9.633		
15,400.00	7,145.10	6,700.00	6,639.88	243.48	32.16	-78.25	-1,932.16	-6,430.23	2,491.81	2,236.00	255.81	9.741		
15,500.00	7,145.30	6,700.00	6,639.88	246.29	32.16	-78.25	-1,932.16	-6,430.23	2,520.50	2,265.28	255.23	9.876		
15,600.00	7,145.50	6,700.00	6,639.88	249.10	32.16	-78.25	-1,932.16	-6,430.23	2,552.80	2,298.45	254.35	10.037		
15,700.00	7,145.69	6,700.00	6,639.88	251.91	32.16	-78.25	-1,932.16	-6,430.23	2,588.55	2,335.36	253.20	10.223		
15,800.00	7,145.89	6,700.00	6,639.88	254.71	32.16	-78.25	-1,932.16	-6,430.23	2,627.63	2,375.82	251.81	10.435		
15,900.00	7,146.09	6,700.00	6,639.88	257.52	32.16	-78.25	-1,932.16	-6,430.23	2,669.89	2,419.68	250.21	10.671		
16,000.00	7,146.28	6,700.00	6,639.88	260.34	32.16	-78.25	-1,932.16	-6,430.23	2,715.17	2,466.75	248.42	10.930		
16,100.00	7,146.48	6,700.00	6,639.88	263.15	32.16	-78.25	-1,932.16	-6,430.23	2,763.33	2,516.85	246.48	11.211		
16,200.00	7,146.68	6,700.00	6,639.88	265.96	32.16	-78.25	-1,932.16	-6,430.23	2,814.22	2,569.82	244.40	11.515		
16,300.00	7,146.87	6,700.00	6,639.88	268.77	32.16	-78.25	-1,932.16	-6,430.23	2,867.69	2,625.48	242.21	11.840		
16,400.00	7,147.07	6,700.00	6,639.88	271.58	32.16	-78.25	-1,932.16	-6,430.23	2,923.61	2,683.67	239.94	12.185		
16,500.00	7,147.27	6,700.00	6,639.88	274.40	32.16	-78.25	-1,932.16	-6,430.23	2,981.83	2,744.24	237.60	12.550		
16,600.00	7,147.46	6,700.00	6,639.88	277.21	32.16	-78.25	-1,932.16	-6,430.23	3,042.23	2,807.03	235.21	12.934		
16,700.00	7,147.66	6,700.00	6,639.88	280.03	32.16	-78.25	-1,932.16	-6,430.23	3,104.68	2,871.89	232.78	13.337		
16,800.00	7,147.86	6,700.00	6,639.88	282.84	32.16	-78.25	-1,932.16	-6,430.23	3,169.05	2,938.70	230.35	13.758		
16,900.00	7,148.05	6,700.00	6,639.88	285.66	32.16	-78.25	-1,932.16	-6,430.23	3,235.23	3,007.33	227.90	14.196		
17,000.00	7,148.25	6,700.00	6,639.88	288.48	32.16	-78.25	-1,932.16	-6,430.23	3,303.11	3,077.65	225.46	14.651		
17,100.00	7,148.45	6,700.00	6,639.88	291.29	32.16	-78.25	-1,932.16	-6,430.23	3,372.59	3,149.56	223.03	15.121		
17,200.00	7,148.64	6,700.00	6,639.88	294.11	32.16	-78.25	-1,932.16	-6,430.23	3,443.58	3,222.95	220.63	15.608		
17,300.00	7,148.84	6,700.00	6,639.88	296.93	32.16	-78.25	-1,932.16	-6,430.23	3,515.97	3,297.72	218.25	16.109		
17,400.00	7,149.04	6,700.00	6,639.88	299.75	32.16	-78.25	-1,932.16	-6,430.23	3,589.69	3,373.78	215.91	16.626		
17,500.00	7,149.23	6,700.00	6,639.88	302.57	32.16	-78.25	-1,932.16	-6,430.23	3,664.66	3,451.05	213.61	17.156		
17,600.00	7,149.43	6,700.00	6,639.88	305.39	32.16	-78.25	-1,932.16	-6,430.23	3,740.80	3,529.45	211.35	17.700		
17,700.00	7,149.63	6,700.00	6,639.88	308.21	32.16	-78.25	-1,932.16	-6,430.23	3,818.04	3,608.90	209.13	18.256		
17,800.00	7,149.82	6,700.00	6,639.88	311.03	32.16	-78.25	-1,932.16	-6,430.23	3,896.31	3,689.35	206.96	18.826		
17,900.00	7,150.02	6,700.00	6,639.88	313.85	32.16	-78.25	-1,932.16	-6,430.23	3,975.56	3,770.72	204.84	19.408		
18,000.00	7,150.22	6,700.00	6,639.88	316.67	32.16	-78.25	-1,932.16	-6,430.23	4,055.73	3,852.96	202.77	20.001		
18,100.00	7,150.41	6,700.00	6,639.88	319.49	32.16	-78.25	-1,932.16	-6,430.23	4,136.76	3,936.01	200.75	20.606		
18,200.00	7,150.61	6,700.00	6,639.88	322.32	32.16	-78.25	-1,932.16	-6,430.23	4,218.60	4,019.82	198.78	21.222		
18,300.00	7,150.81	6,700.00	6,639.88	325.14	32.16	-78.25	-1,932.16	-6,430.23	4,301.22	4,104.35	196.86	21.849		
18,400.00	7,151.00	6,700.00	6,639.88	327.96	32.16	-78.25	-1,932.16	-6,430.23	4,384.55	4,189.56	194.99	22.486		
18,500.00	7,151.20	6,700.00	6,639.88	330.78	32.16	-78.25	-1,932.16	-6,430.23	4,468.57	4,275.40	193.17	23.133		
18,600.00	7,151.40	6,700.00	6,639.88	333.61	32.16	-78.25	-1,932.16	-6,430.23	4,553.24	4,361.84	191.40	23.789		
18,700.00	7,151.59	6,700.00	6,639.88	336.43	32.16	-78.25	-1,932.16	-6,430.23	4,638.51	4,448.84	189.68	24.455		
18,800.00	7,151.79	6,700.00	6,639.88	339.26	32.16	-78.25	-1,932.16	-6,430.23	4,724.37	4,536.37	188.00	25.130		
18,906.26	7,152.00	6,700.00	6,639.88	342.26	32.16	-78.25	-1,932.16	-6,430.23	4,816.20	4,629.93	186.27	25.856		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.42	-2,197.95	-5,602.49	6,018.21					
100.00	100.00	85.00	85.00	3.28	3.29	-111.42	-2,197.95	-5,602.49	6,018.21	6,011.64	6.57	916.013		
200.00	200.00	185.00	185.00	3.34	3.31	-111.42	-2,197.95	-5,602.49	6,018.21	6,011.57	6.64	906.075		
300.00	299.98	284.98	284.98	3.44	3.34	168.58	-2,197.95	-5,602.49	6,019.92	6,013.14	6.78	887.581		
400.00	399.84	384.84	384.84	3.60	3.39	168.57	-2,197.95	-5,602.49	6,025.05	6,018.06	6.99	862.135		
500.00	499.45	484.45	484.45	3.81	3.45	168.55	-2,197.95	-5,602.49	6,033.59	6,026.34	7.26	831.605		
600.00	598.70	583.70	583.70	4.06	3.52	168.52	-2,197.95	-5,602.49	6,045.54	6,037.97	7.58	798.008		
700.00	697.47	682.47	682.47	4.34	3.61	168.49	-2,197.95	-5,602.49	6,060.88	6,052.93	7.94	763.042		
785.50	781.43	766.43	766.43	4.61	3.69	168.46	-2,197.95	-5,602.49	6,076.67	6,068.37	8.29	732.979		
800.00	795.63	780.63	780.63	4.66	3.70	168.46	-2,197.95	-5,602.49	6,079.55	6,071.20	8.36	727.652		
900.00	893.55	878.55	878.55	5.02	3.80	168.50	-2,197.95	-5,602.49	6,099.45	6,090.67	8.79	694.180		
1,000.00	991.47	1,614.86	1,614.20	5.40	5.02	168.81	-2,190.61	-5,592.57	6,140.66	6,130.29	10.37	592.252		
1,100.00	1,089.39	1,714.17	1,712.93	5.80	5.36	168.87	-2,184.25	-5,583.98	6,150.30	6,139.22	11.07	555.429		
1,200.00	1,187.31	1,813.47	1,811.65	6.21	5.73	168.94	-2,177.89	-5,575.39	6,159.94	6,148.14	11.81	521.782		
1,300.00	1,285.22	1,912.78	1,910.38	6.64	6.11	169.00	-2,171.53	-5,566.80	6,169.59	6,157.03	12.56	491.053		
1,400.00	1,383.14	2,012.08	2,009.11	7.08	6.50	169.06	-2,165.17	-5,558.21	6,179.25	6,165.91	13.34	463.115		
1,500.00	1,481.06	2,111.39	2,107.84	7.52	6.91	169.12	-2,158.81	-5,549.62	6,188.92	6,174.78	14.14	437.729		
1,600.00	1,578.98	2,210.69	2,206.57	7.98	7.33	169.19	-2,152.44	-5,541.03	6,198.59	6,183.64	14.95	414.650		
1,700.00	1,676.90	2,310.00	2,305.29	8.44	7.75	169.25	-2,146.08	-5,532.44	6,208.27	6,192.50	15.77	393.641		
1,800.00	1,774.82	2,409.30	2,404.02	8.90	8.19	169.31	-2,139.72	-5,523.85	6,217.96	6,201.35	16.60	374.481		
1,900.00	1,872.74	2,508.61	2,502.75	9.37	8.62	169.37	-2,133.36	-5,515.26	6,227.65	6,210.21	17.45	356.970		
2,000.00	1,970.66	2,607.91	2,601.48	9.84	9.06	169.43	-2,127.00	-5,506.67	6,237.35	6,219.06	18.30	340.928		
2,100.00	2,068.57	2,707.22	2,700.20	10.32	9.51	169.49	-2,120.64	-5,498.08	6,247.06	6,227.91	19.15	326.197		
2,200.00	2,166.49	2,806.52	2,798.93	10.80	9.96	169.56	-2,114.28	-5,489.49	6,256.78	6,236.77	20.01	312.637		
2,300.00	2,264.41	2,905.82	2,897.66	11.28	10.41	169.62	-2,107.92	-5,480.89	6,266.50	6,245.62	20.88	300.124		
2,400.00	2,362.33	3,005.13	2,996.39	11.76	10.87	169.68	-2,101.56	-5,472.30	6,276.23	6,254.48	21.75	288.550		
2,500.00	2,460.25	3,104.43	3,095.11	12.24	11.33	169.74	-2,095.20	-5,463.71	6,285.97	6,263.34	22.63	277.819		
2,600.00	2,558.17	3,203.74	3,193.84	12.73	11.79	169.80	-2,088.84	-5,455.12	6,295.71	6,272.21	23.50	267.848		
2,700.00	2,656.09	3,303.04	3,292.57	13.22	12.25	169.86	-2,082.48	-5,446.53	6,305.46	6,281.08	24.39	258.562		
2,800.00	2,754.01	3,402.35	3,391.30	13.71	12.71	169.92	-2,076.12	-5,437.94	6,315.22	6,289.95	25.27	249.898		
2,900.00	2,851.92	3,501.65	3,490.03	14.20	13.18	169.98	-2,069.76	-5,429.35	6,324.99	6,298.83	26.16	241.796		
3,000.00	2,949.84	3,600.96	3,588.75	14.69	13.65	170.04	-2,063.40	-5,420.76	6,334.76	6,307.71	27.05	234.207		
3,100.00	3,047.76	3,700.26	3,687.48	15.18	14.11	170.10	-2,057.04	-5,412.17	6,344.54	6,316.60	27.94	227.085		
3,200.00	3,145.68	3,800.43	3,786.21	15.67	14.59	170.16	-2,050.68	-5,403.58	6,354.32	6,325.48	28.84	220.360		
3,300.00	3,243.60	3,901.13	3,884.94	16.17	15.06	170.21	-2,044.32	-5,394.99	6,364.11	6,334.38	29.74	214.012		
3,400.00	3,341.52	4,001.82	3,983.66	16.66	15.54	170.27	-2,037.96	-5,386.40	6,373.91	6,343.27	30.64	208.027		
3,500.00	3,439.44	4,102.52	4,082.39	17.16	16.02	170.33	-2,031.60	-5,377.81	6,383.72	6,352.17	31.54	202.376		
3,600.00	3,537.36	4,196.78	4,181.12	17.65	16.47	170.39	-2,025.24	-5,369.22	6,393.53	6,361.11	32.42	197.204		
3,700.00	3,635.27	4,303.91	4,279.85	18.15	16.98	170.45	-2,018.88	-5,360.63	6,403.35	6,369.99	33.36	191.972		
3,800.00	3,733.19	4,404.61	4,378.57	18.65	17.46	170.51	-2,012.52	-5,352.04	6,413.17	6,378.91	34.26	187.173		
3,900.00	3,831.11	4,505.30	4,477.30	19.14	17.94	170.57	-2,006.16	-5,343.45	6,423.00	6,387.83	35.17	182.617		
4,000.00	3,929.03	4,606.00	4,576.03	19.64	18.42	170.62	-1,999.80	-5,334.86	6,432.84	6,396.76	36.08	178.286		
4,100.00	4,026.95	4,706.69	4,674.76	20.14	18.90	170.68	-1,993.44	-5,326.27	6,442.69	6,405.69	36.99	174.164		
4,200.00	4,124.87	4,807.39	4,773.49	20.64	19.39	170.74	-1,987.08	-5,317.68	6,452.54	6,414.63	37.90	170.236		
4,300.00	4,222.79	4,891.92	4,872.21	21.14	19.79	170.80	-1,980.72	-5,309.09	6,462.39	6,423.65	38.74	166.798		
4,400.00	4,320.71	5,008.78	4,970.94	21.64	20.35	170.85	-1,974.36	-5,300.50	6,472.26	6,432.53	39.73	162.913		
4,500.00	4,418.62	5,109.47	5,069.67	22.14	20.84	170.91	-1,968.00	-5,291.91	6,482.13	6,441.49	40.64	159.495		
4,600.00	4,516.54	5,189.83	5,168.40	22.64	21.23	170.97	-1,961.64	-5,283.32	6,492.00	6,450.54	41.47	156.565		
4,700.00	4,614.46	5,289.14	5,267.12	23.14	21.70	171.02	-1,955.28	-5,274.73	6,501.89	6,459.51	42.37	153.442		
4,800.00	4,712.38	5,388.44	5,365.85	23.64	22.18	171.08	-1,948.92	-5,266.14	6,511.78	6,468.49	43.28	150.448		
4,900.00	4,810.30	5,487.75	5,464.58	24.14	22.66	171.14	-1,942.56	-5,257.55	6,521.67	6,477.48	44.19	147.576		
5,000.00	4,908.22	5,587.05	5,563.31	24.64	23.14	171.19	-1,936.20	-5,248.95	6,531.57	6,486.47	45.10	144.818		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,686.35	5,662.04	25.14	23.62	171.25	-1,929.84	-5,240.36	6,541.48	6,495.47	46.01	142.169		
5,200.00	5,104.06	5,716.15	5,691.66	25.64	23.76	171.26	-1,927.93	-5,237.79	6,551.76	6,505.17	46.60	140.610		
5,300.00	5,201.97	5,769.21	5,744.46	26.14	24.01	171.29	-1,924.82	-5,233.59	6,562.80	6,515.52	47.28	138.799		
5,400.00	5,299.89	5,800.00	5,775.14	26.64	24.16	171.31	-1,923.28	-5,231.52	6,574.99	6,527.13	47.86	137.380		
5,500.00	5,397.81	5,831.40	5,806.46	27.15	24.30	171.32	-1,921.92	-5,229.67	6,588.21	6,539.78	48.43	136.031		
5,600.00	5,495.73	5,862.38	5,837.38	27.65	24.43	171.34	-1,920.77	-5,228.12	6,602.45	6,553.45	49.00	134.756		
5,700.00	5,593.65	5,900.00	5,874.95	28.15	24.60	171.35	-1,919.65	-5,226.61	6,617.72	6,568.13	49.59	133.457		
5,800.00	5,691.57	5,900.00	5,874.95	28.65	24.60	171.35	-1,919.65	-5,226.61	6,634.12	6,584.14	49.98	132.736		
5,900.00	5,789.49	5,954.79	5,929.71	29.15	24.83	171.37	-1,918.54	-5,225.10	6,651.26	6,600.62	50.64	131.334		
6,000.00	5,887.41	6,000.00	5,974.91	29.66	25.02	171.38	-1,918.09	-5,224.50	6,669.59	6,618.34	51.25	130.126		
6,100.00	5,985.32	6,054.77	5,970.32	30.16	25.24	171.38	-1,918.02	-5,224.41	6,688.78	6,636.93	51.85	129.010		
6,200.00	6,083.24	6,093.33	6,068.24	30.66	25.39	171.41	-1,918.02	-5,224.41	6,708.85	6,656.38	52.47	127.858		
6,300.00	6,181.16	6,191.25	6,166.16	31.16	25.78	171.44	-1,918.02	-5,224.41	6,728.93	6,675.59	53.34	126.144		
6,400.00	6,279.08	6,289.17	6,264.08	31.67	26.17	171.46	-1,918.02	-5,224.41	6,749.01	6,694.80	54.22	124.485		
6,490.03	6,367.24	6,377.33	6,352.24	32.12	26.52	171.48	-1,918.02	-5,224.41	6,767.09	6,712.09	55.00	123.036		
6,500.00	6,377.01	6,387.10	6,362.01	32.17	26.56	172.47	-1,918.02	-5,224.41	6,769.02	6,713.93	55.09	122.878		
6,550.00	6,426.43	6,382.80	6,357.71	32.40	26.54	-178.88	-1,918.27	-5,224.41	6,776.80	6,721.58	55.23	122.705		
6,600.00	6,476.27	6,400.00	6,374.90	32.61	26.61	-144.09	-1,918.89	-5,224.41	6,781.16	6,725.69	55.47	122.253		
6,650.00	6,526.21	6,400.00	6,374.90	32.80	26.61	-57.82	-1,918.89	-5,224.41	6,782.11	6,726.51	55.60	121.987		
6,700.00	6,575.96	6,400.00	6,374.90	32.98	26.61	-36.85	-1,918.89	-5,224.41	6,779.72	6,724.02	55.70	121.711		
6,750.00	6,625.19	6,434.82	6,409.62	33.16	26.72	-30.79	-1,921.35	-5,224.41	6,773.68	6,717.71	55.97	121.030		
6,800.00	6,673.62	6,447.36	6,422.10	33.35	26.76	-28.19	-1,922.62	-5,224.41	6,764.38	6,708.28	56.11	120.565		
6,850.00	6,720.94	6,459.55	6,434.21	33.55	26.80	-26.95	-1,924.05	-5,224.41	6,751.76	6,695.53	56.23	120.078		
6,900.00	6,766.86	6,500.00	6,474.19	33.76	26.94	-26.53	-1,930.18	-5,224.41	6,736.10	6,679.62	56.48	119.263		
6,950.00	6,811.10	6,500.00	6,474.19	33.98	26.94	-26.48	-1,930.18	-5,224.41	6,716.89	6,660.37	56.52	118.848		
7,000.00	6,853.38	6,500.00	6,474.19	34.23	26.94	-26.78	-1,930.18	-5,224.41	6,694.66	6,638.12	56.54	118.405		
7,050.00	6,893.45	6,500.00	6,474.19	34.50	26.94	-27.41	-1,930.18	-5,224.41	6,669.54	6,612.98	56.55	117.931		
7,100.00	6,931.05	6,500.00	6,474.19	34.79	26.94	-28.34	-1,930.18	-5,224.41	6,641.64	6,585.07	56.56	117.424		
7,150.00	6,965.96	6,500.00	6,474.19	35.12	26.94	-29.61	-1,930.18	-5,224.41	6,611.10	6,554.53	56.56	116.881		
7,200.00	6,997.96	6,500.00	6,474.19	35.47	26.94	-31.23	-1,930.18	-5,224.41	6,578.07	6,521.51	56.56	116.297		
7,250.00	7,026.85	6,536.33	6,509.77	35.86	27.04	-33.58	-1,937.48	-5,224.41	6,542.34	6,485.59	56.75	115.279		
7,300.00	7,052.45	6,542.55	6,515.83	36.29	27.06	-36.25	-1,938.90	-5,224.41	6,504.71	6,447.92	56.79	114.536		
7,350.00	7,074.61	6,547.90	6,521.03	36.76	27.08	-39.58	-1,940.16	-5,224.41	6,465.14	6,408.31	56.83	113.753		
7,400.00	7,093.19	6,552.36	6,525.35	37.27	27.09	-43.72	-1,941.24	-5,224.41	6,423.85	6,366.97	56.88	112.929		
7,450.00	7,108.07	6,555.90	6,528.79	37.81	27.10	-48.87	-1,942.11	-5,224.42	6,381.07	6,324.13	56.94	112.064		
7,500.00	7,119.17	6,558.52	6,531.32	38.39	27.11	-55.24	-1,942.77	-5,224.42	6,337.05	6,280.04	57.01	111.159		
7,550.00	7,126.41	6,560.20	6,532.94	38.99	27.11	-63.04	-1,943.19	-5,224.42	6,292.02	6,234.94	57.09	110.214		
7,600.00	7,129.75	6,560.94	6,533.66	39.62	27.11	-72.32	-1,943.38	-5,224.42	6,246.27	6,189.09	57.18	109.233		
7,616.41	7,130.00	6,560.98	6,533.70	39.83	27.11	-75.66	-1,943.39	-5,224.42	6,231.14	6,173.92	57.22	108.902		
7,700.00	7,130.16	6,560.91	6,533.63	40.97	27.11	-75.66	-1,943.37	-5,224.42	6,154.04	6,096.63	57.41	107.196		
7,800.00	7,130.35	6,560.82	6,533.54	42.46	27.11	-75.66	-1,943.35	-5,224.42	6,062.03	6,004.34	57.69	105.088		
7,900.00	7,130.55	6,560.74	6,533.46	44.09	27.11	-75.66	-1,943.33	-5,224.42	5,970.28	5,912.26	58.02	102.908		
8,000.00	7,130.74	6,560.65	6,533.38	45.84	27.11	-75.65	-1,943.31	-5,224.42	5,878.79	5,820.39	58.40	100.657		
8,100.00	7,130.94	6,560.57	6,533.30	47.70	27.11	-75.65	-1,943.29	-5,224.42	5,787.59	5,728.74	58.85	98.340		
8,200.00	7,131.13	6,560.48	6,533.22	49.65	27.11	-75.65	-1,943.26	-5,224.42	5,696.68	5,637.32	59.37	95.959		
8,300.00	7,131.32	6,560.40	6,533.14	51.70	27.11	-75.65	-1,943.24	-5,224.42	5,606.08	5,546.14	59.94	93.521		
8,400.00	7,131.52	6,560.32	6,533.06	53.81	27.11	-75.65	-1,943.22	-5,224.42	5,515.81	5,455.22	60.59	91.031		
8,500.00	7,131.71	6,560.23	6,532.98	55.99	27.11	-75.64	-1,943.20	-5,224.42	5,425.88	5,364.57	61.31	88.495		
8,600.00	7,131.90	6,560.15	6,532.89	58.24	27.11	-75.64	-1,943.18	-5,224.42	5,336.31	5,274.20	62.11	85.920		
8,700.00	7,132.10	6,560.06	6,532.81	60.53	27.11	-75.64	-1,943.16	-5,224.42	5,247.11	5,184.13	62.98	83.314		
8,800.00	7,132.29	6,559.98	6,532.73	62.87	27.11	-75.64	-1,943.14	-5,224.42	5,158.31	5,094.38	63.93	80.684		
8,900.00	7,132.49	6,559.90	6,532.65	65.25	27.11	-75.64	-1,943.12	-5,224.42	5,069.93	5,004.96	64.97	78.040		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	6,559.81	6,532.57	67.68	27.11	-75.63	-1,943.09	-5,224.42	4,981.98	4,915.90	66.08	75.388		
9,100.00	7,132.87	6,559.73	6,532.49	70.13	27.11	-75.63	-1,943.07	-5,224.42	4,894.50	4,827.21	67.29	72.737		
9,200.00	7,133.07	6,559.65	6,532.41	72.61	27.11	-75.63	-1,943.05	-5,224.42	4,807.51	4,738.93	68.58	70.096		
9,300.00	7,133.26	6,559.56	6,532.33	75.13	27.11	-75.63	-1,943.03	-5,224.42	4,721.03	4,651.06	69.97	67.471		
9,400.00	7,133.46	6,559.48	6,532.25	77.66	27.11	-75.63	-1,943.01	-5,224.42	4,635.10	4,563.65	71.45	64.871		
9,500.00	7,133.65	6,559.40	6,532.17	80.22	27.11	-75.62	-1,942.99	-5,224.42	4,549.74	4,476.71	73.03	62.302		
9,600.00	7,133.84	6,559.32	6,532.09	82.80	27.11	-75.62	-1,942.97	-5,224.42	4,464.99	4,390.29	74.70	59.770		
9,700.00	7,134.04	6,559.23	6,532.01	85.40	27.11	-75.62	-1,942.95	-5,224.42	4,380.88	4,304.40	76.48	57.282		
9,800.00	7,134.23	6,559.15	6,531.93	88.01	27.11	-75.62	-1,942.93	-5,224.42	4,297.46	4,219.10	78.36	54.843		
9,900.00	7,134.43	6,559.07	6,531.85	90.64	27.11	-75.62	-1,942.91	-5,224.42	4,214.75	4,134.41	80.35	52.458		
10,000.00	7,134.62	6,558.99	6,531.77	93.28	27.11	-75.61	-1,942.88	-5,224.42	4,132.81	4,050.37	82.44	50.130		
10,100.00	7,134.81	6,558.91	6,531.69	95.94	27.11	-75.61	-1,942.86	-5,224.42	4,051.68	3,967.03	84.65	47.865		
10,200.00	7,135.01	6,558.82	6,531.61	98.61	27.11	-75.61	-1,942.84	-5,224.42	3,971.41	3,884.44	86.97	45.665		
10,300.00	7,135.20	6,558.74	6,531.53	101.28	27.11	-75.61	-1,942.82	-5,224.42	3,892.06	3,802.65	89.41	43.532		
10,400.00	7,135.39	6,558.66	6,531.46	103.97	27.11	-75.61	-1,942.80	-5,224.42	3,813.67	3,721.71	91.96	41.469		
10,500.00	7,135.59	6,558.58	6,531.38	106.67	27.11	-75.60	-1,942.78	-5,224.42	3,736.32	3,641.68	94.64	39.478		
10,600.00	7,135.78	6,558.50	6,531.30	109.38	27.11	-75.60	-1,942.76	-5,224.42	3,660.07	3,562.62	97.45	37.559		
10,700.00	7,135.98	6,558.42	6,531.22	112.09	27.11	-75.60	-1,942.74	-5,224.42	3,584.98	3,484.60	100.38	35.715		
10,800.00	7,136.17	6,558.33	6,531.14	114.81	27.11	-75.60	-1,942.72	-5,224.42	3,511.14	3,407.70	103.44	33.945		
10,900.00	7,136.36	6,558.25	6,531.06	117.54	27.11	-75.60	-1,942.70	-5,224.42	3,438.62	3,331.99	106.62	32.250		
11,000.00	7,136.56	6,558.17	6,530.98	120.28	27.10	-75.59	-1,942.68	-5,224.42	3,367.50	3,257.56	109.94	30.629		
11,100.00	7,136.75	6,558.09	6,530.90	123.02	27.10	-75.59	-1,942.66	-5,224.42	3,297.89	3,184.50	113.39	29.083		
11,200.00	7,136.95	6,558.01	6,530.83	125.76	27.10	-75.59	-1,942.64	-5,224.42	3,229.87	3,112.90	116.98	27.612		
11,300.00	7,137.14	6,557.93	6,530.75	128.52	27.10	-75.59	-1,942.62	-5,224.42	3,163.55	3,042.87	120.69	26.213		
11,400.00	7,137.33	6,557.85	6,530.67	131.27	27.10	-75.59	-1,942.60	-5,224.42	3,099.04	2,974.52	124.52	24.887		
11,500.00	7,137.53	6,557.77	6,530.59	134.03	27.10	-75.58	-1,942.58	-5,224.42	3,036.46	2,907.97	128.48	23.633		
11,600.00	7,137.72	6,557.69	6,530.51	136.80	27.10	-75.58	-1,942.56	-5,224.42	2,975.91	2,843.35	132.56	22.450		
11,700.00	7,137.92	6,557.61	6,530.44	139.57	27.10	-75.58	-1,942.54	-5,224.42	2,917.54	2,780.80	136.75	21.335		
11,800.00	7,138.11	6,557.53	6,530.36	142.34	27.10	-75.58	-1,942.52	-5,224.42	2,861.48	2,720.44	141.04	20.289		
11,900.00	7,138.30	6,557.45	6,530.28	145.12	27.10	-75.58	-1,942.50	-5,224.42	2,807.85	2,662.44	145.41	19.309		
12,000.00	7,138.50	6,557.37	6,530.20	147.90	27.10	-75.58	-1,942.48	-5,224.42	2,756.82	2,606.95	149.87	18.395		
12,100.00	7,138.69	6,557.29	6,530.13	150.68	27.10	-75.57	-1,942.46	-5,224.42	2,708.51	2,554.13	154.38	17.544		
12,200.00	7,138.88	6,557.21	6,530.05	153.47	27.10	-75.57	-1,942.44	-5,224.42	2,663.09	2,504.15	158.94	16.755		
12,300.00	7,139.08	6,557.13	6,529.97	156.26	27.10	-75.57	-1,942.42	-5,224.42	2,620.69	2,457.18	163.51	16.027		
12,400.00	7,139.27	6,557.05	6,529.89	159.05	27.10	-75.57	-1,942.40	-5,224.42	2,581.48	2,413.39	168.08	15.358		
12,500.00	7,139.47	6,556.97	6,529.82	161.85	27.10	-75.57	-1,942.38	-5,224.42	2,545.59	2,372.97	172.62	14.747		
12,600.00	7,139.66	6,556.89	6,529.74	164.64	27.10	-75.56	-1,942.36	-5,224.42	2,513.17	2,336.07	177.10	14.191		
12,700.00	7,139.85	6,556.81	6,529.66	167.44	27.10	-75.56	-1,942.34	-5,224.42	2,484.35	2,302.86	181.49	13.689		
12,800.00	7,140.05	6,556.73	6,529.59	170.24	27.10	-75.56	-1,942.32	-5,224.42	2,459.27	2,273.51	185.75	13.239		
12,900.00	7,140.24	6,556.65	6,529.51	173.05	27.10	-75.56	-1,942.30	-5,224.42	2,438.03	2,248.16	189.87	12.841		
13,000.00	7,140.44	6,556.57	6,529.43	175.85	27.10	-75.56	-1,942.28	-5,224.42	2,420.74	2,226.95	193.79	12.491		
13,100.00	7,140.63	6,556.49	6,529.36	178.66	27.10	-75.55	-1,942.26	-5,224.42	2,407.49	2,209.98	197.50	12.190		
13,200.00	7,140.82	6,556.41	6,529.28	181.47	27.10	-75.55	-1,942.24	-5,224.42	2,398.33	2,197.36	200.97	11.934		
13,300.00	7,141.02	6,556.34	6,529.21	184.28	27.10	-75.55	-1,942.22	-5,224.42	2,393.32	2,189.15	204.17	11.722		
13,370.03	7,141.15	6,556.28	6,529.15	186.25	27.10	-75.55	-1,942.20	-5,224.42	2,392.29	2,186.05	206.24	11.600 CC		
13,400.00	7,141.21	6,556.26	6,529.13	187.10	27.10	-75.55	-1,942.20	-5,224.42	2,392.48	2,185.40	207.08	11.553 ES		
13,500.00	7,141.41	6,556.18	6,529.05	189.91	27.10	-75.55	-1,942.18	-5,224.42	2,395.82	2,186.14	209.68	11.426		
13,600.00	7,141.60	6,556.10	6,528.98	192.73	27.10	-75.54	-1,942.16	-5,224.42	2,403.32	2,191.35	211.97	11.338		
13,700.00	7,141.79	6,556.02	6,528.90	195.54	27.10	-75.54	-1,942.14	-5,224.42	2,414.94	2,201.02	213.93	11.289		
13,800.00	7,141.99	6,555.94	6,528.83	198.36	27.10	-75.54	-1,942.12	-5,224.42	2,430.63	2,215.06	215.56	11.276 SF		
13,900.00	7,142.18	6,555.87	6,528.75	201.18	27.10	-75.54	-1,942.10	-5,224.42	2,450.29	2,233.42	216.88	11.298		
14,000.00	7,142.37	6,555.79	6,528.67	204.01	27.10	-75.54	-1,942.08	-5,224.42	2,473.85	2,255.98	217.87	11.355		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,100.00	7,142.57	6,555.71	6,528.60	206.83	27.10	-75.54	-1,942.06	-5,224.42	2,501.19	2,282.62	218.57	11.443		
14,200.00	7,142.76	6,555.63	6,528.52	209.65	27.10	-75.53	-1,942.04	-5,224.42	2,532.18	2,313.20	218.98	11.564		
14,300.00	7,142.96	6,555.55	6,528.45	212.48	27.10	-75.53	-1,942.02	-5,224.42	2,566.69	2,347.58	219.12	11.714		
14,400.00	7,143.15	6,555.48	6,528.37	215.30	27.10	-75.53	-1,942.00	-5,224.42	2,604.59	2,385.58	219.01	11.893		
14,500.00	7,143.34	6,555.40	6,528.30	218.13	27.10	-75.53	-1,941.99	-5,224.41	2,645.73	2,427.06	218.67	12.099		
14,600.00	7,143.54	6,555.32	6,528.22	220.96	27.10	-75.53	-1,941.97	-5,224.41	2,689.96	2,471.83	218.13	12.332		
14,700.00	7,143.73	6,555.24	6,528.15	223.79	27.10	-75.52	-1,941.95	-5,224.41	2,737.13	2,519.72	217.41	12.590		
14,800.00	7,143.93	6,555.17	6,528.07	226.62	27.10	-75.52	-1,941.93	-5,224.41	2,787.09	2,570.57	216.53	12.872		
14,838.32	7,144.00	6,555.14	6,528.05	227.70	27.10	-75.52	-1,941.92	-5,224.41	2,806.95	2,590.80	216.15	12.986		
14,900.00	7,144.12	6,555.13	6,528.04	229.45	27.10	-75.71	-1,941.92	-5,224.41	2,839.15	2,623.66	215.49	13.175		
15,000.00	7,144.32	6,555.29	6,528.19	232.26	27.10	-76.00	-1,941.96	-5,224.41	2,891.11	2,676.81	214.29	13.491		
15,027.81	7,144.37	6,555.37	6,528.27	233.04	27.10	-76.09	-1,941.98	-5,224.41	2,905.49	2,691.56	213.93	13.581		
15,100.00	7,144.51	6,555.59	6,528.49	235.07	27.10	-76.09	-1,942.03	-5,224.42	2,943.44	2,730.49	212.95	13.822		
15,200.00	7,144.71	6,555.91	6,528.80	237.87	27.10	-76.10	-1,942.11	-5,224.42	2,998.09	2,786.59	211.50	14.175		
15,300.00	7,144.91	6,556.23	6,529.11	240.68	27.10	-76.11	-1,942.19	-5,224.42	3,055.04	2,845.06	209.98	14.550		
15,400.00	7,145.10	6,556.55	6,529.42	243.48	27.10	-76.11	-1,942.27	-5,224.42	3,114.16	2,905.77	208.38	14.944		
15,500.00	7,145.30	6,556.87	6,529.73	246.29	27.10	-76.12	-1,942.35	-5,224.42	3,175.32	2,968.59	206.74	15.359		
15,600.00	7,145.50	6,557.20	6,530.04	249.10	27.10	-76.13	-1,942.43	-5,224.42	3,238.42	3,033.37	205.05	15.793		
15,700.00	7,145.69	6,557.52	6,530.35	251.91	27.10	-76.14	-1,942.51	-5,224.42	3,303.34	3,100.01	203.33	16.246		
15,800.00	7,145.89	6,557.84	6,530.67	254.71	27.10	-76.14	-1,942.60	-5,224.42	3,369.98	3,168.38	201.60	16.716		
15,900.00	7,146.09	6,558.17	6,530.98	257.52	27.10	-76.15	-1,942.68	-5,224.42	3,438.24	3,238.38	199.85	17.204		
16,000.00	7,146.28	6,558.49	6,531.30	260.34	27.11	-76.16	-1,942.76	-5,224.42	3,508.02	3,309.91	198.11	17.708		
16,100.00	7,146.48	6,558.82	6,531.61	263.15	27.11	-76.17	-1,942.84	-5,224.42	3,579.23	3,382.86	196.36	18.228		
16,200.00	7,146.68	6,559.15	6,531.93	265.96	27.11	-76.17	-1,942.93	-5,224.42	3,651.79	3,457.16	194.63	18.763		
16,300.00	7,146.87	6,559.48	6,532.25	268.77	27.11	-76.18	-1,943.01	-5,224.42	3,725.62	3,532.71	192.91	19.313		
16,400.00	7,147.07	6,559.81	6,532.57	271.58	27.11	-76.19	-1,943.09	-5,224.42	3,800.65	3,609.44	191.21	19.877		
16,500.00	7,147.27	6,560.14	6,532.88	274.40	27.11	-76.20	-1,943.18	-5,224.42	3,876.81	3,687.28	189.53	20.454		
16,600.00	7,147.46	6,560.47	6,533.20	277.21	27.11	-76.20	-1,943.26	-5,224.42	3,954.03	3,766.15	187.88	21.045		
16,700.00	7,147.66	6,560.80	6,533.53	280.03	27.11	-76.21	-1,943.35	-5,224.42	4,032.25	3,846.00	186.26	21.649		
16,800.00	7,147.86	6,561.13	6,533.85	282.84	27.11	-76.22	-1,943.43	-5,224.42	4,111.42	3,926.76	184.66	22.265		
16,900.00	7,148.05	6,561.47	6,534.17	285.66	27.11	-76.23	-1,943.52	-5,224.42	4,191.47	4,008.38	183.09	22.892		
17,000.00	7,148.25	6,561.80	6,534.50	288.48	27.12	-76.23	-1,943.60	-5,224.42	4,272.37	4,090.81	181.56	23.531		
17,100.00	7,148.45	6,562.14	6,534.82	291.29	27.12	-76.24	-1,943.69	-5,224.42	4,354.06	4,174.00	180.06	24.181		
17,200.00	7,148.64	6,562.48	6,535.15	294.11	27.12	-76.25	-1,943.78	-5,224.42	4,436.50	4,257.91	178.59	24.842		
17,300.00	7,148.84	6,562.81	6,535.47	296.93	27.12	-76.26	-1,943.86	-5,224.42	4,519.65	4,342.49	177.16	25.512		
17,400.00	7,149.04	6,563.15	6,535.80	299.75	27.12	-76.27	-1,943.95	-5,224.42	4,603.46	4,427.71	175.75	26.193		
17,500.00	7,149.23	6,563.49	6,536.13	302.57	27.12	-76.27	-1,944.04	-5,224.42	4,687.92	4,513.53	174.39	26.882		
17,600.00	7,149.43	6,563.83	6,536.46	305.39	27.12	-76.28	-1,944.13	-5,224.42	4,772.97	4,599.92	173.05	27.581		
17,700.00	7,149.63	6,564.17	6,536.79	308.21	27.12	-76.29	-1,944.21	-5,224.42	4,858.59	4,686.85	171.75	28.289		
17,800.00	7,149.82	6,564.52	6,537.12	311.03	27.12	-76.30	-1,944.30	-5,224.42	4,944.76	4,774.28	170.48	29.005		
17,900.00	7,150.02	6,564.86	6,537.45	313.85	27.12	-76.30	-1,944.39	-5,224.42	5,031.43	4,862.19	169.24	29.729		
18,000.00	7,150.22	6,600.00	6,571.15	316.67	27.23	-77.11	-1,954.32	-5,224.42	5,119.06	4,950.44	168.63	30.357		
18,100.00	7,150.41	6,600.00	6,571.15	319.49	27.23	-77.11	-1,954.32	-5,224.42	5,206.67	5,039.23	167.44	31.095		
18,200.00	7,150.61	6,600.00	6,571.15	322.32	27.23	-77.11	-1,954.32	-5,224.42	5,294.71	5,128.42	166.29	31.841		
18,300.00	7,150.81	6,600.00	6,571.15	325.14	27.23	-77.11	-1,954.32	-5,224.42	5,383.17	5,218.01	165.16	32.593		
18,400.00	7,151.00	6,600.00	6,571.15	327.96	27.23	-77.11	-1,954.32	-5,224.42	5,472.03	5,307.96	164.07	33.352		
18,500.00	7,151.20	6,600.00	6,571.15	330.78	27.23	-77.11	-1,954.32	-5,224.42	5,561.27	5,398.27	163.00	34.118		
18,600.00	7,151.40	6,600.00	6,571.15	333.61	27.23	-77.11	-1,954.32	-5,224.42	5,650.87	5,488.90	161.96	34.890		
18,700.00	7,151.59	6,600.00	6,571.15	336.43	27.23	-77.11	-1,954.32	-5,224.42	5,740.81	5,579.85	160.95	35.668		
18,800.00	7,151.79	6,600.00	6,571.15	339.26	27.23	-77.11	-1,954.32	-5,224.42	5,831.08	5,671.11	159.97	36.452		
18,906.26	7,152.00	6,600.00	6,571.15	342.26	27.23	-77.11	-1,954.32	-5,224.42	5,927.34	5,768.39	158.95	37.291		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.32	-2,197.95	-5,633.08	6,046.70					
100.00	100.00	85.00	85.00	3.28	3.29	-111.32	-2,197.95	-5,633.08	6,046.70	6,040.13	6.57	920.350		
200.00	200.00	185.00	185.00	3.34	3.31	-111.32	-2,197.95	-5,633.08	6,046.70	6,040.06	6.64	910.364		
300.00	299.98	284.98	284.98	3.44	3.34	168.68	-2,197.95	-5,633.08	6,048.41	6,041.63	6.78	891.781		
400.00	399.84	384.84	384.84	3.60	3.39	168.67	-2,197.95	-5,633.08	6,053.54	6,046.55	6.99	866.212		
500.00	499.45	484.45	484.45	3.81	3.45	168.65	-2,197.95	-5,633.08	6,062.09	6,054.83	7.26	835.532		
600.00	598.70	583.70	583.70	4.06	3.52	168.63	-2,197.95	-5,633.08	6,074.04	6,066.46	7.58	801.770		
700.00	697.47	682.47	682.47	4.34	3.61	168.60	-2,197.95	-5,633.08	6,089.38	6,081.44	7.94	766.631		
785.50	781.43	766.43	766.43	4.61	3.69	168.56	-2,197.95	-5,633.08	6,105.18	6,096.89	8.29	736.420		
800.00	795.63	780.63	780.63	4.66	3.70	168.57	-2,197.95	-5,633.08	6,108.06	6,099.71	8.36	731.066		
900.00	893.55	878.55	878.55	5.02	3.80	168.61	-2,197.95	-5,633.08	6,127.97	6,119.19	8.79	697.431		
1,000.00	991.47	976.47	976.47	5.40	3.92	168.64	-2,197.95	-5,633.08	6,147.89	6,138.64	9.25	664.784		
1,100.00	1,089.39	1,074.39	1,074.39	5.80	4.04	168.68	-2,197.95	-5,633.08	6,167.80	6,158.07	9.73	633.588		
1,200.00	1,187.31	1,172.31	1,172.31	6.21	4.17	168.72	-2,197.95	-5,633.08	6,187.72	6,177.48	10.24	604.090		
1,300.00	1,285.22	1,270.22	1,270.22	6.64	4.30	168.75	-2,197.95	-5,633.08	6,207.64	6,196.87	10.77	576.397		
1,400.00	1,383.14	1,368.14	1,368.14	7.08	4.45	168.79	-2,197.95	-5,633.08	6,227.56	6,216.25	11.31	550.518		
1,500.00	1,481.06	1,466.06	1,466.06	7.52	4.59	168.83	-2,197.95	-5,633.08	6,247.49	6,235.62	11.87	526.402		
1,600.00	1,578.98	1,563.98	1,563.98	7.98	4.75	168.86	-2,197.95	-5,633.08	6,267.42	6,254.98	12.44	503.967		
1,700.00	1,676.90	1,661.90	1,661.90	8.44	4.90	168.90	-2,197.95	-5,633.08	6,287.35	6,274.33	13.01	483.109		
1,800.00	1,774.82	1,759.82	1,759.82	8.90	5.07	168.93	-2,197.95	-5,633.08	6,307.28	6,293.68	13.60	463.717		
1,900.00	1,872.74	1,857.74	1,857.74	9.37	5.23	168.97	-2,197.95	-5,633.08	6,327.21	6,313.02	14.20	445.682		
2,000.00	1,970.66	1,955.66	1,955.66	9.84	5.40	169.00	-2,197.95	-5,633.08	6,347.15	6,332.35	14.80	428.894		
2,100.00	2,068.57	2,088.49	2,088.47	10.32	5.79	169.06	-2,196.60	-5,633.33	6,366.94	6,351.31	15.64	407.219		
2,200.00	2,166.49	2,249.64	2,249.33	10.80	6.39	169.21	-2,187.26	-5,635.06	6,385.87	6,369.18	16.68	382.785		
2,300.00	2,264.41	2,358.36	2,357.55	11.28	6.81	169.34	-2,177.03	-5,636.96	6,404.17	6,386.62	17.55	365.007		
2,400.00	2,362.33	2,455.80	2,454.53	11.76	7.19	169.45	-2,167.73	-5,638.69	6,422.48	6,404.11	18.38	349.518		
2,500.00	2,460.25	2,553.24	2,551.51	12.24	7.59	169.57	-2,158.44	-5,640.41	6,440.82	6,421.61	19.22	335.184		
2,600.00	2,558.17	2,650.68	2,648.49	12.73	7.99	169.69	-2,149.14	-5,642.13	6,459.19	6,439.12	20.07	321.909		
2,700.00	2,656.09	2,748.12	2,745.47	13.22	8.40	169.80	-2,139.85	-5,643.86	6,477.58	6,456.66	20.92	309.597		
2,800.00	2,754.01	2,845.56	2,842.45	13.71	8.81	169.92	-2,130.55	-5,645.58	6,496.00	6,474.21	21.79	298.164		
2,900.00	2,851.92	2,943.00	2,939.43	14.20	9.23	170.03	-2,121.25	-5,647.31	6,514.44	6,491.79	22.66	287.530		
3,000.00	2,949.84	3,040.44	3,036.41	14.69	9.66	170.14	-2,111.96	-5,649.03	6,532.91	6,509.38	23.53	277.622		
3,100.00	3,047.76	3,137.88	3,133.39	15.18	10.08	170.26	-2,102.66	-5,650.76	6,551.41	6,527.00	24.41	268.376		
3,200.00	3,145.68	3,235.32	3,230.36	15.67	10.51	170.37	-2,093.37	-5,652.48	6,569.93	6,544.63	25.29	259.734		
3,300.00	3,243.60	3,332.76	3,327.34	16.17	10.95	170.48	-2,084.07	-5,654.20	6,588.47	6,562.29	26.18	251.642		
3,400.00	3,341.52	3,430.20	3,424.32	16.66	11.38	170.59	-2,074.78	-5,655.93	6,607.04	6,579.97	27.07	244.052		
3,500.00	3,439.44	3,527.64	3,521.30	17.16	11.82	170.70	-2,065.48	-5,657.65	6,625.63	6,597.67	27.97	236.924		
3,600.00	3,537.36	3,625.07	3,618.28	17.65	12.26	170.81	-2,056.18	-5,659.38	6,644.25	6,615.39	28.86	230.217		
3,700.00	3,635.27	3,722.51	3,715.26	18.15	12.70	170.92	-2,046.89	-5,661.10	6,662.89	6,633.13	29.76	223.897		
3,800.00	3,733.19	3,819.95	3,812.24	18.65	13.15	171.03	-2,037.59	-5,662.82	6,681.55	6,650.90	30.66	217.934		
3,900.00	3,831.11	3,917.39	3,909.22	19.14	13.59	171.14	-2,028.30	-5,664.55	6,700.24	6,668.68	31.56	212.300		
4,000.00	3,929.03	4,014.83	4,006.20	19.64	14.04	171.25	-2,019.00	-5,666.27	6,718.95	6,686.49	32.46	206.968		
4,100.00	4,026.95	4,112.27	4,103.18	20.14	14.48	171.35	-2,009.71	-5,668.00	6,737.69	6,704.32	33.37	201.917		
4,200.00	4,124.87	4,209.71	4,200.16	20.64	14.93	171.46	-2,000.41	-5,669.72	6,756.44	6,722.17	34.27	197.125		
4,300.00	4,222.79	4,307.15	4,297.14	21.14	15.38	171.57	-1,991.11	-5,671.45	6,775.22	6,740.04	35.18	192.573		
4,400.00	4,320.71	4,404.59	4,394.12	21.64	15.83	171.67	-1,981.82	-5,673.17	6,794.03	6,757.93	36.09	188.245		
4,500.00	4,418.62	4,502.03	4,491.10	22.14	16.28	171.78	-1,972.52	-5,674.89	6,812.85	6,775.85	37.00	184.125		
4,600.00	4,516.54	4,600.53	4,588.08	22.64	16.74	171.88	-1,963.23	-5,676.62	6,831.70	6,793.78	37.92	180.175		
4,700.00	4,614.46	4,703.09	4,685.06	23.14	17.22	171.98	-1,953.93	-5,678.34	6,850.57	6,811.71	38.85	176.323		
4,800.00	4,712.38	4,805.65	4,782.04	23.64	17.70	172.09	-1,944.64	-5,680.07	6,869.46	6,829.67	39.79	172.648		
4,900.00	4,810.30	4,891.79	4,879.02	24.14	18.10	172.19	-1,935.34	-5,681.79	6,888.37	6,847.72	40.65	169.457		
5,000.00	4,908.22	4,976.78	4,963.64	24.64	18.49	172.27	-1,927.53	-5,683.24	6,907.35	6,865.85	41.50	166.457		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,052.10	5,038.78	25.14	18.83	172.34	-1,922.39	-5,684.19	6,926.63	6,884.35	42.28	163.821		
5,200.00	5,104.06	5,127.66	5,114.26	25.64	19.16	172.38	-1,919.19	-5,684.79	6,946.24	6,903.18	43.06	161.321		
5,300.00	5,201.97	5,203.34	5,189.93	26.14	19.48	172.41	-1,917.94	-5,685.02	6,966.17	6,922.34	43.83	158.952		
5,400.00	5,299.89	5,298.30	5,284.89	26.64	19.87	172.43	-1,917.93	-5,685.02	6,986.29	6,941.61	44.68	156.365		
5,500.00	5,397.81	5,396.22	5,382.81	27.15	20.28	172.45	-1,917.93	-5,685.02	7,006.42	6,960.87	45.55	153.824		
5,600.00	5,495.73	5,494.14	5,480.73	27.65	20.69	172.47	-1,917.93	-5,685.02	7,026.55	6,980.13	46.42	151.377		
5,700.00	5,593.65	5,592.06	5,578.65	28.15	21.10	172.49	-1,917.93	-5,685.02	7,046.67	6,999.39	47.29	149.019		
5,800.00	5,691.57	5,689.98	5,676.57	28.65	21.50	172.52	-1,917.93	-5,685.02	7,066.80	7,018.65	48.16	146.744		
5,900.00	5,789.49	5,787.90	5,774.49	29.15	21.91	172.54	-1,917.93	-5,685.02	7,086.93	7,037.91	49.03	144.549		
6,000.00	5,887.41	5,885.82	5,872.41	29.66	22.32	172.56	-1,917.93	-5,685.02	7,107.07	7,057.17	49.90	142.430		
6,100.00	5,985.32	5,983.73	5,970.32	30.16	22.73	172.58	-1,917.93	-5,685.02	7,127.20	7,076.43	50.77	140.383		
6,200.00	6,083.24	6,081.65	6,068.24	30.66	23.14	172.60	-1,917.93	-5,685.02	7,147.33	7,095.69	51.64	138.404		
6,300.00	6,181.16	6,179.57	6,166.16	31.16	23.55	172.62	-1,917.93	-5,685.02	7,167.47	7,114.95	52.51	136.489		
6,400.00	6,279.08	6,277.49	6,264.08	31.67	23.96	172.64	-1,917.93	-5,685.02	7,187.60	7,134.22	53.39	134.637		
6,490.03	6,367.24	6,365.65	6,352.24	32.12	24.33	172.66	-1,917.93	-5,685.02	7,205.73	7,151.56	54.17	133.019		
6,500.00	6,377.01	6,375.42	6,362.01	32.17	24.37	173.65	-1,917.93	-5,685.02	7,207.66	7,153.41	54.26	132.843		
6,550.00	6,426.43	6,424.84	6,411.43	32.40	24.57	-177.72	-1,917.93	-5,685.02	7,215.17	7,160.48	54.69	131.938		
6,600.00	6,476.27	6,474.68	6,461.27	32.61	24.78	-142.95	-1,917.93	-5,685.02	7,218.98	7,163.87	55.10	131.005		
6,650.00	6,526.21	6,524.62	6,511.21	32.80	24.99	-56.73	-1,917.93	-5,685.02	7,219.06	7,163.56	55.50	130.063		
6,700.00	6,575.96	6,574.37	6,560.96	32.98	25.20	-35.82	-1,917.93	-5,685.02	7,215.42	7,159.54	55.88	129.116		
6,750.00	6,625.19	6,623.60	6,610.19	33.16	25.40	-29.78	-1,917.93	-5,685.02	7,208.09	7,151.84	56.25	128.155		
6,800.00	6,673.62	6,549.32	6,535.88	33.35	25.08	-27.11	-1,919.18	-5,685.02	7,198.52	7,142.57	55.95	128.651		
6,850.00	6,720.94	6,561.67	6,548.20	33.55	25.12	-25.88	-1,919.98	-5,685.02	7,184.89	7,128.79	56.10	128.084		
6,900.00	6,766.86	6,600.00	6,586.35	33.76	25.27	-25.45	-1,923.75	-5,685.02	7,168.15	7,111.81	56.35	127.216		
6,950.00	6,811.10	6,600.00	6,586.35	33.98	25.27	-25.40	-1,923.75	-5,685.02	7,147.91	7,091.51	56.40	126.732		
7,000.00	6,853.38	6,600.00	6,586.35	34.23	25.27	-25.72	-1,923.75	-5,685.02	7,124.64	7,068.20	56.44	126.223		
7,050.00	6,893.45	6,600.00	6,586.35	34.50	25.27	-26.35	-1,923.75	-5,685.02	7,098.47	7,041.99	56.48	125.689		
7,100.00	6,931.05	6,600.00	6,586.35	34.79	25.27	-27.31	-1,923.75	-5,685.02	7,069.52	7,013.02	56.50	125.125		
7,150.00	6,965.96	6,600.00	6,586.35	35.12	25.27	-28.59	-1,923.75	-5,685.02	7,037.95	6,981.43	56.52	124.528		
7,200.00	6,997.96	6,600.00	6,586.35	35.47	25.27	-30.26	-1,923.75	-5,685.02	7,003.90	6,947.37	56.53	123.896		
7,250.00	7,026.85	6,639.94	6,625.84	35.86	25.39	-32.66	-1,929.71	-5,685.02	6,967.11	6,910.39	56.72	122.832		
7,300.00	7,052.45	6,646.32	6,632.12	36.29	25.41	-35.43	-1,930.85	-5,685.02	6,928.51	6,871.74	56.77	122.054		
7,350.00	7,074.61	6,651.82	6,637.52	36.76	25.43	-38.92	-1,931.88	-5,685.02	6,888.00	6,831.19	56.81	121.241		
7,400.00	7,093.19	6,656.40	6,642.01	37.27	25.45	-43.31	-1,932.76	-5,685.02	6,845.83	6,788.96	56.86	120.392		
7,450.00	7,108.07	6,660.05	6,645.59	37.81	25.46	-48.84	-1,933.49	-5,685.02	6,802.21	6,745.30	56.92	119.506		
7,500.00	7,119.17	6,662.74	6,648.23	38.39	25.47	-55.79	-1,934.04	-5,685.02	6,757.42	6,700.43	56.98	118.583		
7,550.00	7,126.41	6,664.48	6,649.93	38.99	25.47	-64.40	-1,934.39	-5,685.02	6,711.69	6,654.64	57.06	117.626		
7,600.00	7,129.75	6,665.25	6,650.68	39.62	25.47	-74.69	-1,934.55	-5,685.02	6,665.32	6,608.17	57.15	116.635		
7,616.41	7,130.00	6,700.00	6,684.50	39.83	25.58	-79.23	-1,942.53	-5,685.02	6,650.36	6,593.01	57.34	115.974		
7,700.00	7,130.16	6,665.24	6,650.67	40.97	25.47	-78.39	-1,934.55	-5,685.02	6,571.95	6,514.60	57.35	114.587		
7,800.00	7,130.35	6,665.18	6,650.61	42.46	25.47	-78.39	-1,934.54	-5,685.02	6,478.76	6,421.16	57.60	112.472		
7,900.00	7,130.55	6,665.12	6,650.55	44.09	25.47	-78.39	-1,934.52	-5,685.02	6,385.78	6,327.88	57.90	110.288		
8,000.00	7,130.74	6,665.06	6,650.49	45.84	25.47	-78.38	-1,934.51	-5,685.02	6,293.01	6,234.76	58.25	108.038		
8,100.00	7,130.94	6,665.00	6,650.43	47.70	25.47	-78.38	-1,934.50	-5,685.02	6,200.47	6,141.82	58.65	105.723		
8,200.00	7,131.13	6,664.93	6,650.37	49.65	25.47	-78.38	-1,934.49	-5,685.02	6,108.16	6,049.05	59.10	103.347		
8,300.00	7,131.32	6,664.87	6,650.31	51.70	25.47	-78.38	-1,934.47	-5,685.02	6,016.10	5,956.48	59.62	100.914		
8,400.00	7,131.52	6,664.81	6,650.25	53.81	25.47	-78.38	-1,934.46	-5,685.02	5,924.29	5,864.10	60.19	98.429		
8,500.00	7,131.71	6,664.75	6,650.19	55.99	25.47	-78.38	-1,934.45	-5,685.02	5,832.76	5,771.93	60.82	95.896		
8,600.00	7,131.90	6,664.69	6,650.13	58.24	25.47	-78.38	-1,934.43	-5,685.02	5,741.50	5,679.98	61.52	93.322		
8,700.00	7,132.10	6,664.63	6,650.07	60.53	25.47	-78.37	-1,934.42	-5,685.02	5,650.55	5,588.25	62.29	90.712		
8,800.00	7,132.29	6,664.57	6,650.01	62.87	25.47	-78.37	-1,934.41	-5,685.02	5,559.90	5,496.77	63.13	88.074		
8,900.00	7,132.49	6,664.51	6,649.95	65.25	25.47	-78.37	-1,934.40	-5,685.02	5,469.58	5,405.54	64.04	85.415		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	6,664.45	6,649.89	67.68	25.47	-78.37	-1,934.38	-5,685.02	5,379.60	5,314.58	65.02	82.741		
9,100.00	7,132.87	6,664.39	6,649.83	70.13	25.47	-78.37	-1,934.37	-5,685.02	5,289.98	5,223.91	66.08	80.060		
9,200.00	7,133.07	6,664.32	6,649.77	72.61	25.47	-78.37	-1,934.36	-5,685.02	5,200.74	5,133.53	67.21	77.379		
9,300.00	7,133.26	6,664.26	6,649.72	75.13	25.47	-78.37	-1,934.35	-5,685.02	5,111.90	5,043.47	68.43	74.705		
9,400.00	7,133.46	6,664.20	6,649.66	77.66	25.47	-78.36	-1,934.33	-5,685.02	5,023.48	4,953.75	69.73	72.045		
9,500.00	7,133.65	6,664.14	6,649.60	80.22	25.47	-78.36	-1,934.32	-5,685.02	4,935.50	4,864.39	71.11	69.406		
9,600.00	7,133.84	6,664.08	6,649.54	82.80	25.47	-78.36	-1,934.31	-5,685.02	4,847.99	4,775.41	72.58	66.794		
9,700.00	7,134.04	6,664.02	6,649.48	85.40	25.47	-78.36	-1,934.30	-5,685.02	4,760.97	4,686.83	74.14	64.215		
9,800.00	7,134.23	6,663.96	6,649.42	88.01	25.47	-78.36	-1,934.29	-5,685.02	4,674.46	4,598.67	75.79	61.675		
9,900.00	7,134.43	6,663.90	6,649.36	90.64	25.47	-78.36	-1,934.27	-5,685.02	4,588.51	4,510.97	77.54	59.177		
10,000.00	7,134.62	6,663.84	6,649.30	93.28	25.47	-78.36	-1,934.26	-5,685.02	4,503.14	4,423.76	79.38	56.728		
10,100.00	7,134.81	6,663.78	6,649.24	95.94	25.47	-78.35	-1,934.25	-5,685.02	4,418.38	4,337.06	81.32	54.332		
10,200.00	7,135.01	6,663.72	6,649.19	98.61	25.47	-78.35	-1,934.24	-5,685.02	4,334.27	4,250.90	83.37	51.991		
10,300.00	7,135.20	6,663.66	6,649.13	101.28	25.47	-78.35	-1,934.22	-5,685.02	4,250.85	4,165.33	85.52	49.709		
10,400.00	7,135.39	6,663.60	6,649.07	103.97	25.47	-78.35	-1,934.21	-5,685.02	4,168.15	4,080.38	87.77	47.489		
10,500.00	7,135.59	6,663.54	6,649.01	106.67	25.47	-78.35	-1,934.20	-5,685.02	4,086.24	3,996.10	90.14	45.333		
10,600.00	7,135.78	6,663.49	6,648.95	109.38	25.47	-78.35	-1,934.19	-5,685.02	4,005.14	3,912.52	92.62	43.243		
10,700.00	7,135.98	6,663.43	6,648.89	112.09	25.47	-78.35	-1,934.17	-5,685.02	3,924.91	3,829.70	95.22	41.221		
10,800.00	7,136.17	6,663.37	6,648.84	114.81	25.47	-78.34	-1,934.16	-5,685.02	3,845.62	3,747.68	97.93	39.268		
10,900.00	7,136.36	6,663.31	6,648.78	117.54	25.47	-78.34	-1,934.15	-5,685.02	3,767.30	3,666.53	100.77	37.385		
11,000.00	7,136.56	6,663.25	6,648.72	120.28	25.47	-78.34	-1,934.14	-5,685.02	3,690.04	3,586.30	103.74	35.572		
11,100.00	7,136.75	6,663.19	6,648.66	123.02	25.47	-78.34	-1,934.13	-5,685.02	3,613.89	3,507.06	106.83	33.830		
11,200.00	7,136.95	6,663.13	6,648.61	125.76	25.47	-78.34	-1,934.11	-5,685.02	3,538.93	3,428.88	110.05	32.159		
11,300.00	7,137.14	6,663.07	6,648.55	128.52	25.47	-78.34	-1,934.10	-5,685.02	3,465.23	3,351.83	113.40	30.558		
11,400.00	7,137.33	6,663.01	6,648.49	131.27	25.47	-78.34	-1,934.09	-5,685.02	3,392.88	3,276.00	116.88	29.028		
11,500.00	7,137.53	6,662.95	6,648.43	134.03	25.47	-78.33	-1,934.08	-5,685.02	3,321.97	3,201.47	120.50	27.568		
11,600.00	7,137.72	6,662.89	6,648.38	136.80	25.47	-78.33	-1,934.07	-5,685.02	3,252.58	3,128.33	124.25	26.178		
11,700.00	7,137.92	6,662.84	6,648.32	139.57	25.47	-78.33	-1,934.05	-5,685.02	3,184.82	3,056.69	128.13	24.855		
11,800.00	7,138.11	6,662.78	6,648.26	142.34	25.47	-78.33	-1,934.04	-5,685.02	3,118.80	2,986.65	132.15	23.601		
11,900.00	7,138.30	6,662.72	6,648.20	145.12	25.47	-78.33	-1,934.03	-5,685.02	3,054.62	2,918.34	136.29	22.413		
12,000.00	7,138.50	6,662.66	6,648.15	147.90	25.47	-78.33	-1,934.02	-5,685.02	2,992.41	2,851.87	140.55	21.291		
12,100.00	7,138.69	6,662.60	6,648.09	150.68	25.47	-78.33	-1,934.01	-5,685.02	2,932.29	2,787.37	144.92	20.234		
12,200.00	7,138.88	6,662.54	6,648.03	153.47	25.47	-78.32	-1,933.99	-5,685.02	2,874.40	2,725.00	149.40	19.239		
12,300.00	7,139.08	6,662.49	6,647.98	156.26	25.47	-78.32	-1,933.98	-5,685.02	2,818.86	2,664.88	153.98	18.307		
12,400.00	7,139.27	6,662.43	6,647.92	159.05	25.46	-78.32	-1,933.97	-5,685.02	2,765.83	2,607.19	158.63	17.436		
12,500.00	7,139.47	6,662.37	6,647.86	161.85	25.46	-78.32	-1,933.96	-5,685.02	2,715.44	2,552.09	163.35	16.623		
12,600.00	7,139.66	6,662.31	6,647.81	164.64	25.46	-78.32	-1,933.95	-5,685.02	2,667.85	2,499.73	168.12	15.869		
12,700.00	7,139.85	6,662.25	6,647.75	167.44	25.46	-78.32	-1,933.94	-5,685.02	2,623.21	2,450.31	172.90	15.171		
12,800.00	7,140.05	6,662.20	6,647.69	170.24	25.46	-78.32	-1,933.92	-5,685.02	2,581.67	2,403.98	177.69	14.529		
12,900.00	7,140.24	6,662.14	6,647.64	173.05	25.46	-78.31	-1,933.91	-5,685.02	2,543.39	2,360.95	182.45	13.940		
13,000.00	7,140.44	6,662.08	6,647.58	175.85	25.46	-78.31	-1,933.90	-5,685.02	2,508.52	2,321.37	187.15	13.404		
13,100.00	7,140.63	6,662.02	6,647.52	178.66	25.46	-78.31	-1,933.89	-5,685.02	2,477.19	2,285.44	191.76	12.919		
13,200.00	7,140.82	6,661.97	6,647.47	181.47	25.46	-78.31	-1,933.88	-5,685.02	2,449.55	2,253.31	196.24	12.482		
13,300.00	7,141.02	6,661.91	6,647.41	184.28	25.46	-78.31	-1,933.87	-5,685.02	2,425.72	2,225.15	200.56	12.094		
13,400.00	7,141.21	6,661.85	6,647.35	187.10	25.46	-78.31	-1,933.85	-5,685.02	2,405.81	2,201.11	204.70	11.753		
13,500.00	7,141.41	6,661.80	6,647.30	189.91	25.46	-78.31	-1,933.84	-5,685.02	2,389.92	2,181.32	208.60	11.457		
13,600.00	7,141.60	6,661.74	6,647.24	192.73	25.46	-78.30	-1,933.83	-5,685.02	2,378.14	2,165.89	212.26	11.204		
13,700.00	7,141.79	6,661.68	6,647.19	195.54	25.46	-78.30	-1,933.82	-5,685.02	2,370.52	2,154.90	215.62	10.994		
13,800.00	7,141.99	6,661.62	6,647.13	198.36	25.46	-78.30	-1,933.81	-5,685.02	2,367.10	2,148.42	218.68	10.825		
13,830.93	7,142.05	6,661.61	6,647.11	199.24	25.46	-78.30	-1,933.80	-5,685.02	2,366.90	2,147.34	219.56	10.780 CC		
13,900.00	7,142.18	6,661.57	6,647.08	201.18	25.46	-78.30	-1,933.80	-5,685.02	2,367.91	2,146.50	221.41	10.695 ES		
14,000.00	7,142.37	6,661.51	6,647.02	204.01	25.46	-78.30	-1,933.78	-5,685.02	2,372.93	2,149.13	223.80	10.603		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,100.00	7,142.57	6,661.45	6,646.96	206.83	25.46	-78.30	-1,933.77	-5,685.02	2,382.15	2,156.31	225.84	10.548		
14,200.00	7,142.76	6,661.40	6,646.91	209.65	25.46	-78.30	-1,933.76	-5,685.02	2,395.50	2,167.98	227.52	10.529 SF		
14,300.00	7,142.96	6,661.34	6,646.85	212.48	25.46	-78.29	-1,933.75	-5,685.02	2,412.93	2,184.08	228.85	10.544		
14,400.00	7,143.15	6,661.28	6,646.80	215.30	25.46	-78.29	-1,933.74	-5,685.02	2,434.35	2,204.50	229.85	10.591		
14,500.00	7,143.34	6,661.23	6,646.74	218.13	25.46	-78.29	-1,933.73	-5,685.02	2,459.65	2,229.14	230.51	10.671		
14,600.00	7,143.54	6,661.17	6,646.69	220.96	25.46	-78.29	-1,933.72	-5,685.02	2,488.71	2,257.86	230.85	10.781		
14,700.00	7,143.73	6,661.11	6,646.63	223.79	25.46	-78.29	-1,933.70	-5,685.02	2,521.41	2,290.50	230.90	10.920		
14,800.00	7,143.93	6,661.06	6,646.58	226.62	25.46	-78.29	-1,933.69	-5,685.02	2,557.60	2,326.92	230.68	11.087		
14,838.32	7,144.00	6,661.04	6,646.56	227.70	25.46	-78.29	-1,933.69	-5,685.02	2,572.36	2,341.83	230.53	11.158		
14,900.00	7,144.12	6,661.04	6,646.55	229.45	25.46	-78.39	-1,933.69	-5,685.02	2,596.54	2,366.34	230.21	11.279		
15,000.00	7,144.32	6,661.17	6,646.69	232.26	25.46	-78.56	-1,933.72	-5,685.02	2,635.83	2,406.36	229.48	11.486		
15,027.81	7,144.37	6,661.24	6,646.75	233.04	25.46	-78.61	-1,933.73	-5,685.02	2,646.77	2,417.54	229.23	11.546		
15,100.00	7,144.51	6,661.43	6,646.94	235.07	25.46	-78.61	-1,933.77	-5,685.02	2,676.00	2,447.49	228.51	11.711		
15,200.00	7,144.71	6,661.70	6,647.21	237.87	25.46	-78.62	-1,933.82	-5,685.02	2,719.13	2,491.78	227.35	11.960		
15,300.00	7,144.91	6,661.97	6,647.47	240.68	25.46	-78.63	-1,933.88	-5,685.02	2,765.21	2,539.19	226.02	12.234		
15,400.00	7,145.10	6,662.24	6,647.74	243.48	25.46	-78.63	-1,933.93	-5,685.02	2,814.09	2,589.55	224.54	12.533		
15,500.00	7,145.30	6,662.52	6,648.01	246.29	25.47	-78.64	-1,933.99	-5,685.02	2,865.63	2,642.69	222.94	12.854		
15,600.00	7,145.50	6,662.79	6,648.27	249.10	25.47	-78.65	-1,934.04	-5,685.02	2,919.68	2,698.44	221.23	13.197		
15,700.00	7,145.69	6,663.06	6,648.54	251.91	25.47	-78.65	-1,934.10	-5,685.02	2,976.11	2,756.67	219.44	13.562		
15,800.00	7,145.89	6,663.34	6,648.81	254.71	25.47	-78.66	-1,934.16	-5,685.02	3,034.79	2,817.21	217.58	13.948		
15,900.00	7,146.09	6,663.61	6,649.08	257.52	25.47	-78.67	-1,934.21	-5,685.02	3,095.58	2,879.92	215.66	14.354		
16,000.00	7,146.28	6,663.89	6,649.35	260.34	25.47	-78.67	-1,934.27	-5,685.02	3,158.38	2,944.67	213.71	14.779		
16,100.00	7,146.48	6,664.17	6,649.62	263.15	25.47	-78.68	-1,934.33	-5,685.02	3,223.05	3,011.32	211.73	15.223		
16,200.00	7,146.68	6,664.44	6,649.89	265.96	25.47	-78.68	-1,934.38	-5,685.02	3,289.49	3,079.76	209.73	15.684		
16,300.00	7,146.87	6,664.72	6,650.16	268.77	25.47	-78.69	-1,934.44	-5,685.02	3,357.60	3,149.87	207.73	16.163		
16,400.00	7,147.07	6,700.00	6,684.50	271.58	25.58	-79.52	-1,942.53	-5,685.02	3,427.99	3,221.60	206.39	16.609		
16,500.00	7,147.27	6,700.00	6,684.50	274.40	25.58	-79.52	-1,942.53	-5,685.02	3,499.10	3,294.71	204.39	17.120		
16,600.00	7,147.46	6,700.00	6,684.50	277.21	25.58	-79.52	-1,942.53	-5,685.02	3,571.60	3,369.20	202.41	17.646		
16,700.00	7,147.66	6,700.00	6,684.50	280.03	25.58	-79.52	-1,942.53	-5,685.02	3,645.40	3,444.96	200.44	18.187		
16,800.00	7,147.86	6,700.00	6,684.50	282.84	25.58	-79.52	-1,942.53	-5,685.02	3,720.43	3,521.92	198.50	18.742		
16,900.00	7,148.05	6,700.00	6,684.50	285.66	25.58	-79.52	-1,942.53	-5,685.02	3,796.60	3,600.01	196.59	19.312		
17,000.00	7,148.25	6,700.00	6,684.50	288.48	25.58	-79.52	-1,942.53	-5,685.02	3,873.86	3,679.15	194.72	19.895		
17,100.00	7,148.45	6,700.00	6,684.50	291.29	25.58	-79.52	-1,942.53	-5,685.02	3,952.14	3,759.27	192.87	20.491		
17,200.00	7,148.64	6,700.00	6,684.50	294.11	25.58	-79.52	-1,942.53	-5,685.02	4,031.38	3,840.31	191.07	21.099		
17,300.00	7,148.84	6,700.00	6,684.50	296.93	25.58	-79.52	-1,942.53	-5,685.02	4,111.53	3,922.23	189.30	21.720		
17,400.00	7,149.04	6,700.00	6,684.50	299.75	25.58	-79.52	-1,942.53	-5,685.02	4,192.53	4,004.96	187.57	22.352		
17,500.00	7,149.23	6,700.00	6,684.50	302.57	25.58	-79.52	-1,942.53	-5,685.02	4,274.33	4,088.45	185.88	22.995		
17,600.00	7,149.43	6,700.00	6,684.50	305.39	25.58	-79.52	-1,942.53	-5,685.02	4,356.89	4,172.66	184.23	23.649		
17,700.00	7,149.63	6,700.00	6,684.50	308.21	25.58	-79.52	-1,942.53	-5,685.02	4,440.17	4,257.55	182.62	24.314		
17,800.00	7,149.82	6,700.00	6,684.50	311.03	25.58	-79.52	-1,942.53	-5,685.02	4,524.13	4,343.08	181.05	24.989		
17,900.00	7,150.02	6,700.00	6,684.50	313.85	25.58	-79.52	-1,942.53	-5,685.02	4,608.73	4,429.21	179.51	25.673		
18,000.00	7,150.22	6,700.00	6,684.50	316.67	25.58	-79.52	-1,942.53	-5,685.02	4,693.93	4,515.91	178.02	26.367		
18,100.00	7,150.41	6,700.00	6,684.50	319.49	25.58	-79.52	-1,942.53	-5,685.02	4,779.71	4,603.14	176.57	27.070		
18,200.00	7,150.61	6,700.00	6,684.50	322.32	25.58	-79.52	-1,942.53	-5,685.02	4,866.03	4,690.87	175.15	27.782		
18,300.00	7,150.81	6,700.00	6,684.50	325.14	25.58	-79.52	-1,942.53	-5,685.02	4,952.86	4,779.09	173.77	28.502		
18,400.00	7,151.00	6,700.00	6,684.50	327.96	25.58	-79.52	-1,942.53	-5,685.02	5,040.18	4,867.75	172.43	29.230		
18,500.00	7,151.20	6,700.00	6,684.50	330.78	25.58	-79.52	-1,942.53	-5,685.02	5,127.97	4,956.84	171.12	29.967		
18,600.00	7,151.40	6,700.00	6,684.50	333.61	25.58	-79.52	-1,942.53	-5,685.02	5,216.19	5,046.34	169.85	30.710		
18,700.00	7,151.59	6,700.00	6,684.50	336.43	25.58	-79.52	-1,942.53	-5,685.02	5,304.84	5,136.22	168.61	31.461		
18,800.00	7,151.79	6,700.00	6,684.50	339.26	25.58	-79.52	-1,942.53	-5,685.02	5,393.88	5,226.47	167.41	32.219		
18,906.26	7,152.00	6,700.00	6,684.50	342.26	25.58	-79.52	-1,942.53	-5,685.02	5,488.91	5,322.74	166.17	33.032		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-11.55	1,358.50	-277.53	1,389.74					
100.00	100.00	6.00	6.00	3.28	3.28	-11.55	1,358.50	-277.53	1,386.55	1,379.99	6.57	211.160		
200.00	200.00	106.00	106.00	3.34	3.82	-11.55	1,358.50	-277.53	1,386.55	1,379.40	7.16	193.776		
300.00	299.98	205.98	205.98	3.44	6.36	-91.62	1,358.50	-277.53	1,386.60	1,376.80	9.80	141.495		
400.00	399.84	305.84	305.84	3.60	9.51	-91.83	1,358.50	-277.53	1,386.76	1,373.65	13.11	105.756		
500.00	499.45	405.45	405.45	3.81	12.84	-92.18	1,358.50	-277.53	1,387.07	1,370.43	16.64	83.378		
600.00	598.70	504.70	504.70	4.06	16.21	-92.67	1,358.50	-277.53	1,387.59	1,367.33	20.26	68.504		
700.00	697.47	603.47	603.47	4.34	19.60	-93.29	1,358.50	-277.53	1,388.41	1,364.48	23.93	58.019		
785.50	781.43	687.43	687.43	4.61	22.49	-93.92	1,358.50	-277.53	1,389.44	1,362.34	27.10	51.272		
800.00	795.63	701.63	701.63	4.66	22.98	-94.04	1,358.50	-277.53	1,389.65	1,362.01	27.64	50.279		
900.00	893.55	800.45	799.55	5.02	26.40	-94.86	1,358.50	-277.53	1,391.26	1,359.85	31.41	44.290		
1,000.00	991.47	902.53	897.47	5.40	29.94	-95.67	1,358.50	-277.53	1,393.16	1,357.83	35.33	39.433		
1,100.00	1,089.39	1,004.61	995.39	5.80	33.49	-96.48	1,358.50	-277.53	1,395.35	1,356.08	39.27	35.531		
1,200.00	1,187.31	1,106.69	1,093.31	6.21	37.03	-97.29	1,358.50	-277.53	1,397.84	1,354.61	43.23	32.334		
1,300.00	1,285.22	1,208.78	1,191.22	6.64	40.59	-98.10	1,358.50	-277.53	1,400.61	1,353.41	47.21	29.671		
1,400.00	1,383.14	1,289.14	1,289.14	7.08	43.38	-98.90	1,358.50	-277.53	1,403.68	1,353.24	50.44	27.831		
1,500.00	1,481.06	1,387.06	1,387.06	7.52	46.79	-99.70	1,358.50	-277.53	1,407.02	1,352.74	54.29	25.919		
1,600.00	1,578.98	1,484.98	1,484.98	7.98	50.20	-100.50	1,358.50	-277.53	1,410.66	1,352.51	58.14	24.262		
1,700.00	1,676.90	1,582.90	1,582.90	8.44	53.61	-101.29	1,358.50	-277.53	1,414.57	1,352.57	62.01	22.813		
1,800.00	1,774.82	1,680.82	1,680.82	8.90	57.03	-102.08	1,358.50	-277.53	1,418.77	1,352.89	65.88	21.537		
1,900.00	1,872.74	1,778.74	1,778.74	9.37	60.44	-102.86	1,358.50	-277.53	1,423.24	1,353.49	69.75	20.405		
2,000.00	1,970.66	1,876.66	1,876.66	9.84	63.85	-103.64	1,358.50	-277.53	1,427.99	1,354.36	73.63	19.395		
2,100.00	2,068.57	1,974.57	1,974.57	10.32	67.27	-104.41	1,358.50	-277.53	1,433.00	1,355.50	77.51	18.489		
2,200.00	2,166.49	2,072.49	2,072.49	10.80	70.68	-105.18	1,358.50	-277.53	1,438.29	1,356.90	81.39	17.672		
2,300.00	2,264.41	2,170.41	2,170.41	11.28	74.10	-105.94	1,358.50	-277.53	1,443.84	1,358.57	85.27	16.932		
2,400.00	2,362.33	2,268.33	2,268.33	11.76	77.51	-106.70	1,358.50	-277.53	1,449.66	1,360.50	89.16	16.260		
2,500.00	2,460.25	2,366.25	2,366.25	12.24	80.93	-107.45	1,358.50	-277.53	1,455.73	1,362.69	93.04	15.646		
2,600.00	2,558.17	2,464.17	2,464.17	12.73	84.34	-108.20	1,358.50	-277.53	1,462.07	1,365.14	96.93	15.084		
2,700.00	2,656.09	2,562.09	2,562.09	13.22	87.76	-108.93	1,358.50	-277.53	1,468.65	1,367.83	100.82	14.568		
2,800.00	2,754.01	2,660.01	2,660.01	13.71	91.17	-109.67	1,358.50	-277.53	1,475.49	1,370.78	104.70	14.092		
2,900.00	2,851.92	2,757.92	2,757.92	14.20	94.59	-110.39	1,358.50	-277.53	1,482.57	1,373.97	108.59	13.652		
3,000.00	2,949.84	2,855.84	2,855.84	14.69	98.01	-111.11	1,358.50	-277.53	1,489.89	1,377.41	112.48	13.246		
3,100.00	3,047.76	2,953.76	2,953.76	15.18	101.42	-111.82	1,358.50	-277.53	1,497.46	1,381.08	116.37	12.868		
3,200.00	3,145.68	3,051.68	3,051.68	15.67	104.84	-112.53	1,358.50	-277.53	1,505.25	1,384.99	120.26	12.517		
3,300.00	3,243.60	3,149.60	3,149.60	16.17	108.26	-113.22	1,358.50	-277.53	1,513.29	1,389.14	124.15	12.189		
3,400.00	3,341.52	3,247.52	3,247.52	16.66	111.67	-113.91	1,358.50	-277.53	1,521.54	1,393.51	128.04	11.884		
3,500.00	3,439.44	3,345.44	3,345.44	17.16	115.09	-114.60	1,358.50	-277.53	1,530.03	1,398.10	131.93	11.598		
3,600.00	3,537.36	3,443.36	3,443.36	17.65	118.51	-115.27	1,358.50	-277.53	1,538.73	1,402.92	135.82	11.330		
3,700.00	3,635.27	3,541.27	3,541.27	18.15	121.92	-115.94	1,358.50	-277.53	1,547.66	1,407.95	139.70	11.078		
3,800.00	3,733.19	3,639.19	3,639.19	18.65	125.34	-116.60	1,358.50	-277.53	1,556.79	1,413.20	143.59	10.842		
3,900.00	3,831.11	3,737.11	3,737.11	19.14	128.76	-117.25	1,358.50	-277.53	1,566.14	1,418.66	147.48	10.619		
4,000.00	3,929.03	3,835.03	3,835.03	19.64	132.18	-117.90	1,358.50	-277.53	1,575.69	1,424.32	151.37	10.410		
4,100.00	4,026.95	3,932.95	3,932.95	20.14	135.59	-118.54	1,358.50	-277.53	1,585.44	1,430.19	155.25	10.212		
4,200.00	4,124.87	4,030.87	4,030.87	20.64	139.01	-119.17	1,358.50	-277.53	1,595.40	1,436.26	159.14	10.025		
4,300.00	4,222.79	4,128.79	4,128.79	21.14	142.43	-119.79	1,358.50	-277.53	1,605.54	1,442.52	163.03	9.848		
4,400.00	4,320.71	4,226.71	4,226.71	21.64	145.85	-120.40	1,358.50	-277.53	1,615.88	1,448.97	166.91	9.681		
4,500.00	4,418.62	4,324.62	4,324.62	22.14	149.26	-121.01	1,358.50	-277.53	1,626.41	1,455.61	170.80	9.523		
4,600.00	4,516.54	4,422.54	4,422.54	22.64	152.68	-121.61	1,358.50	-277.53	1,637.12	1,462.44	174.68	9.372		
4,700.00	4,614.46	4,520.46	4,520.46	23.14	156.10	-122.20	1,358.50	-277.53	1,648.01	1,469.44	178.56	9.229		
4,800.00	4,712.38	4,618.38	4,618.38	23.64	159.52	-122.79	1,358.50	-277.53	1,659.07	1,476.63	182.45	9.093		
4,900.00	4,810.30	4,716.30	4,716.30	24.14	162.93	-123.36	1,358.50	-277.53	1,670.31	1,483.98	186.33	8.964		
5,000.00	4,908.22	4,814.22	4,814.22	24.64	166.35	-123.93	1,358.50	-277.53	1,681.72	1,491.51	190.21	8.841		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,912.14	4,912.14	25.14	169.77	-124.50	1,358.50	-277.53	1,693.30	1,499.20	194.10	8.724		
5,200.00	5,104.06	5,010.06	5,010.06	25.64	173.19	-125.05	1,358.50	-277.53	1,705.04	1,507.06	197.98	8.612		
5,300.00	5,201.97	5,107.97	5,107.97	26.14	176.60	-125.60	1,358.50	-277.53	1,716.94	1,515.08	201.86	8.506		
5,400.00	5,299.89	5,205.89	5,205.89	26.64	180.02	-126.14	1,358.50	-277.53	1,729.00	1,523.25	205.74	8.404		
5,500.00	5,397.81	5,303.81	5,303.81	27.15	183.44	-126.67	1,358.50	-277.53	1,741.20	1,531.58	209.62	8.306		
5,600.00	5,495.73	5,401.73	5,401.73	27.65	186.86	-127.19	1,358.50	-277.53	1,753.56	1,540.06	213.50	8.213		
5,700.00	5,593.65	5,500.35	5,499.65	28.15	190.30	-127.71	1,358.50	-277.53	1,766.07	1,548.66	217.41	8.123		
5,800.00	5,691.57	5,602.43	5,597.57	28.65	193.86	-128.22	1,358.50	-277.53	1,778.72	1,557.28	221.43	8.033		
5,900.00	5,789.49	5,704.51	5,695.49	29.15	197.43	-128.73	1,358.50	-277.53	1,791.51	1,566.05	225.46	7.946		
6,000.00	5,887.41	5,806.60	5,793.41	29.66	200.99	-129.22	1,358.50	-277.53	1,804.43	1,574.95	229.48	7.863		
6,100.00	5,985.32	5,908.68	5,891.32	30.16	204.55	-129.71	1,358.50	-277.53	1,817.50	1,583.99	233.51	7.783		
6,200.00	6,083.24	5,989.24	5,989.24	30.66	207.37	-130.19	1,358.50	-277.53	1,830.69	1,593.91	236.78	7.732		
6,300.00	6,181.16	6,087.16	6,087.16	31.16	210.78	-130.67	1,358.50	-277.53	1,844.01	1,603.35	240.66	7.662		
6,400.00	6,279.08	6,185.08	6,185.08	31.67	214.20	-131.14	1,358.50	-277.53	1,857.46	1,612.93	244.54	7.596		
6,490.03	6,367.24	6,273.24	6,273.24	32.12	217.28	-131.56	1,358.50	-277.53	1,869.68	1,621.65	248.03	7.538		
6,500.00	6,377.01	6,283.01	6,283.01	32.17	217.62	-130.75	1,358.50	-277.53	1,870.97	1,622.56	248.42	7.532		
6,550.00	6,426.43	6,332.43	6,332.43	32.40	219.34	-122.76	1,358.50	-277.53	1,875.62	1,625.26	250.36	7.492		
6,600.00	6,476.27	6,382.27	6,382.27	32.61	221.08	-88.29	1,358.50	-277.53	1,877.12	1,624.82	252.30	7.440		
6,650.00	6,526.21	6,432.21	6,432.21	32.80	222.83	-2.00	1,358.50	-277.53	1,875.47	1,621.23	254.23	7.377		
6,700.00	6,575.96	6,481.96	6,481.96	32.98	224.56	19.33	1,358.50	-277.53	1,870.66	1,614.52	256.14	7.303		
6,750.00	6,625.19	6,531.19	6,531.19	33.16	226.28	26.16	1,358.50	-277.53	1,862.73	1,604.70	258.03	7.219		
6,800.00	6,673.62	6,579.62	6,579.62	33.35	227.97	29.88	1,358.50	-277.53	1,851.74	1,591.86	259.88	7.125		
6,850.00	6,720.94	6,626.94	6,626.94	33.55	229.62	32.62	1,358.50	-277.53	1,837.78	1,576.10	261.69	7.023		
6,900.00	6,766.86	6,672.86	6,672.86	33.76	231.23	35.06	1,358.50	-277.53	1,820.97	1,557.52	263.45	6.912		
6,950.00	6,811.10	6,717.10	6,717.10	33.98	232.77	37.48	1,358.50	-277.53	1,801.45	1,536.30	265.16	6.794		
7,000.00	6,853.38	6,759.38	6,759.38	34.23	234.25	40.03	1,358.50	-277.53	1,779.39	1,512.59	266.80	6.669		
7,050.00	6,893.45	6,800.55	6,799.45	34.50	235.68	42.82	1,358.50	-277.53	1,754.98	1,486.57	268.41	6.538		
7,100.00	6,931.05	6,837.05	6,837.05	34.79	236.96	45.89	1,358.50	-277.53	1,728.44	1,458.57	269.87	6.405		
7,150.00	6,965.96	6,871.96	6,871.96	35.12	238.18	49.30	1,358.50	-277.53	1,700.00	1,428.71	271.29	6.266		
7,200.00	6,997.96	6,903.96	6,903.96	35.47	239.29	53.06	1,358.50	-277.53	1,669.93	1,397.30	272.63	6.125		
7,250.00	7,026.85	6,932.85	6,932.85	35.86	240.30	57.16	1,358.50	-277.53	1,638.51	1,364.61	273.90	5.982		
7,300.00	7,052.45	6,958.45	6,958.45	36.29	241.20	61.56	1,358.50	-277.53	1,606.02	1,330.93	275.09	5.838		
7,350.00	7,074.61	6,980.61	6,980.61	36.76	241.97	66.19	1,358.50	-277.53	1,572.76	1,296.57	276.19	5.694		
7,400.00	7,093.19	7,000.81	6,999.19	37.27	242.68	70.95	1,358.50	-277.53	1,539.07	1,261.79	277.28	5.551		
7,450.00	7,108.07	7,014.07	7,014.07	37.81	243.14	75.71	1,358.50	-277.53	1,505.24	1,227.06	278.18	5.411		
7,500.00	7,119.17	7,025.17	7,025.17	38.39	243.53	80.33	1,358.50	-277.53	1,471.60	1,192.55	279.05	5.274		
7,550.00	7,126.41	7,032.41	7,032.41	38.99	243.78	84.69	1,358.50	-277.53	1,438.48	1,158.63	279.85	5.140		
7,600.00	7,129.75	7,035.75	7,035.75	39.62	243.90	88.69	1,358.50	-277.53	1,406.17	1,125.60	280.57	5.012		
7,616.41	7,130.00	7,036.00	7,036.00	39.83	243.90	89.91	1,358.50	-277.53	1,395.80	1,115.01	280.79	4.971		
7,700.00	7,130.16	7,036.16	7,036.16	40.97	243.91	89.92	1,358.50	-277.53	1,344.83	1,062.87	281.97	4.769		
7,800.00	7,130.35	7,036.35	7,036.35	42.46	243.92	89.93	1,358.50	-277.53	1,288.35	1,004.72	283.64	4.542		
7,900.00	7,130.55	7,036.55	7,036.55	44.09	243.92	89.94	1,358.50	-277.53	1,237.39	951.81	285.58	4.333		
8,000.00	7,130.74	7,036.74	7,036.74	45.84	243.93	89.95	1,358.50	-277.53	1,192.65	904.88	287.76	4.145		
8,100.00	7,130.94	7,036.94	7,036.94	47.70	243.94	89.96	1,358.50	-277.53	1,154.85	864.70	290.15	3.980		
8,200.00	7,131.13	7,037.13	7,037.13	49.65	243.94	89.97	1,358.50	-277.53	1,124.71	832.05	292.66	3.843		
8,300.00	7,131.32	7,037.32	7,037.32	51.70	243.95	89.98	1,358.50	-277.53	1,102.83	807.63	295.20	3.736		
8,400.00	7,131.52	7,037.52	7,037.52	53.81	243.96	89.99	1,358.50	-277.53	1,089.73	792.07	297.67	3.661		
8,493.61	7,131.70	7,037.70	7,037.70	55.85	243.96	90.00	1,358.50	-277.53	1,085.71	785.89	299.82	3.621 CC		
8,500.00	7,131.71	7,037.71	7,037.71	55.99	243.96	90.00	1,358.50	-277.53	1,085.72	785.77	299.95	3.620 ES		
8,600.00	7,131.90	7,037.90	7,037.90	58.24	243.97	90.01	1,358.50	-277.53	1,090.91	788.93	301.97	3.613 SF		
8,700.00	7,132.10	7,038.10	7,038.10	60.53	243.98	90.02	1,358.50	-277.53	1,105.15	801.49	303.66	3.639		
8,800.00	7,132.29	7,038.29	7,038.29	62.87	243.98	90.03	1,358.50	-277.53	1,128.11	823.12	304.99	3.699		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,038.49	7,038.49	65.25	243.99	90.04	1,358.50	-277.53	1,159.27	853.31	305.96	3.789		
9,000.00	7,132.68	7,038.68	7,038.68	67.68	244.00	90.05	1,358.50	-277.53	1,197.99	891.39	306.60	3.907		
9,100.00	7,132.87	7,038.87	7,038.87	70.13	244.00	90.06	1,358.50	-277.53	1,243.57	936.62	306.95	4.051		
9,200.00	7,133.07	7,039.07	7,039.07	72.61	244.01	90.07	1,358.50	-277.53	1,295.28	988.21	307.06	4.218		
9,300.00	7,133.26	7,039.26	7,039.26	75.13	244.02	90.08	1,358.50	-277.53	1,352.41	1,045.43	306.98	4.406		
9,400.00	7,133.46	7,039.46	7,039.46	77.66	244.02	90.09	1,358.50	-277.53	1,414.32	1,107.57	306.75	4.611		
9,500.00	7,133.65	7,039.65	7,039.65	80.22	244.03	90.10	1,358.50	-277.53	1,480.39	1,173.98	306.42	4.831		
9,600.00	7,133.84	7,039.84	7,039.84	82.80	244.04	90.11	1,358.50	-277.53	1,550.11	1,244.10	306.01	5.066		
9,700.00	7,134.04	7,040.04	7,040.04	85.40	244.04	90.12	1,358.50	-277.53	1,623.00	1,317.44	305.56	5.312		
9,800.00	7,134.23	7,040.23	7,040.23	88.01	244.05	90.13	1,358.50	-277.53	1,698.65	1,393.57	305.08	5.568		
9,900.00	7,134.43	7,040.43	7,040.43	90.64	244.06	90.14	1,358.50	-277.53	1,776.70	1,472.12	304.58	5.833		
10,000.00	7,134.62	7,040.62	7,040.62	93.28	244.07	90.15	1,358.50	-277.53	1,856.87	1,552.78	304.09	6.106		
10,100.00	7,134.81	7,040.81	7,040.81	95.94	244.07	90.16	1,358.50	-277.53	1,938.87	1,635.28	303.60	6.386		
10,200.00	7,135.01	7,041.01	7,041.01	98.61	244.08	90.17	1,358.50	-277.53	2,022.50	1,719.38	303.12	6.672		
10,300.00	7,135.20	7,041.20	7,041.20	101.28	244.09	90.18	1,358.50	-277.53	2,107.55	1,804.90	302.65	6.964		
10,400.00	7,135.39	7,041.39	7,041.39	103.97	244.09	90.20	1,358.50	-277.53	2,193.87	1,891.66	302.21	7.259		
10,500.00	7,135.59	7,041.59	7,041.59	106.67	244.10	90.21	1,358.50	-277.53	2,281.30	1,979.52	301.78	7.559		
10,600.00	7,135.78	7,041.78	7,041.78	109.38	244.11	90.22	1,358.50	-277.53	2,369.73	2,068.35	301.38	7.863		
10,700.00	7,135.98	7,041.98	7,041.98	112.09	244.11	90.23	1,358.50	-277.53	2,459.04	2,158.05	300.99	8.170		
10,800.00	7,136.17	7,042.17	7,042.17	114.81	244.12	90.24	1,358.50	-277.53	2,549.15	2,248.53	300.62	8.480		
10,900.00	7,136.36	7,042.36	7,042.36	117.54	244.13	90.25	1,358.50	-277.53	2,639.97	2,339.70	300.27	8.792		
11,000.00	7,136.56	7,042.56	7,042.56	120.28	244.13	90.26	1,358.50	-277.53	2,731.43	2,431.49	299.94	9.106		
11,100.00	7,136.75	7,042.75	7,042.75	123.02	244.14	90.27	1,358.50	-277.53	2,823.47	2,523.84	299.63	9.423		
11,200.00	7,136.95	7,042.95	7,042.95	125.76	244.15	90.28	1,358.50	-277.53	2,916.03	2,616.70	299.34	9.742		
11,300.00	7,137.14	7,043.14	7,043.14	128.52	244.15	90.29	1,358.50	-277.53	3,009.08	2,710.01	299.06	10.062		
11,400.00	7,137.33	7,043.33	7,043.33	131.27	244.16	90.30	1,358.50	-277.53	3,102.55	2,803.75	298.80	10.383		
11,500.00	7,137.53	7,043.53	7,043.53	134.03	244.17	90.31	1,358.50	-277.53	3,196.42	2,897.87	298.55	10.706		
11,600.00	7,137.72	7,043.72	7,043.72	136.80	244.17	90.32	1,358.50	-277.53	3,290.65	2,992.33	298.32	11.031		
11,700.00	7,137.92	7,043.92	7,043.92	139.57	244.18	90.33	1,358.50	-277.53	3,385.21	3,087.11	298.10	11.356		
11,800.00	7,138.11	7,044.11	7,044.11	142.34	244.19	90.34	1,358.50	-277.53	3,480.07	3,182.18	297.89	11.682		
11,900.00	7,138.30	7,044.30	7,044.30	145.12	244.19	90.35	1,358.50	-277.53	3,575.22	3,277.53	297.69	12.010		
12,000.00	7,138.50	7,044.50	7,044.50	147.90	244.20	90.36	1,358.50	-277.53	3,670.62	3,373.11	297.51	12.338		
12,100.00	7,138.69	7,044.69	7,044.69	150.68	244.21	90.37	1,358.50	-277.53	3,766.26	3,468.93	297.33	12.667		
12,200.00	7,138.88	7,044.88	7,044.88	153.47	244.21	90.38	1,358.50	-277.53	3,862.13	3,564.96	297.17	12.996		
12,300.00	7,139.08	7,045.08	7,045.08	156.26	244.22	90.39	1,358.50	-277.53	3,958.19	3,661.18	297.02	13.327		
12,400.00	7,139.27	7,045.27	7,045.27	159.05	244.23	90.40	1,358.50	-277.53	4,054.45	3,757.58	296.87	13.657		
12,500.00	7,139.47	7,045.47	7,045.47	161.85	244.23	90.41	1,358.50	-277.53	4,150.88	3,854.15	296.73	13.989		
12,600.00	7,139.66	7,045.66	7,045.66	164.64	244.24	90.42	1,358.50	-277.53	4,247.48	3,950.88	296.60	14.320		
12,700.00	7,139.85	7,045.85	7,045.85	167.44	244.25	90.43	1,358.50	-277.53	4,344.24	4,047.75	296.48	14.653		
12,800.00	7,140.05	7,046.05	7,046.05	170.24	244.25	90.44	1,358.50	-277.53	4,441.13	4,144.76	296.37	14.985		
12,900.00	7,140.24	7,046.24	7,046.24	173.05	244.26	90.45	1,358.50	-277.53	4,538.16	4,241.90	296.26	15.318		
13,000.00	7,140.44	7,046.44	7,046.44	175.85	244.27	90.46	1,358.50	-277.53	4,635.32	4,339.16	296.16	15.651		
13,100.00	7,140.63	7,046.63	7,046.63	178.66	244.27	90.47	1,358.50	-277.53	4,732.60	4,436.53	296.07	15.985		
13,200.00	7,140.82	7,046.82	7,046.82	181.47	244.28	90.48	1,358.50	-277.53	4,829.98	4,534.01	295.98	16.319		
13,300.00	7,141.02	7,047.02	7,047.02	184.28	244.29	90.49	1,358.50	-277.53	4,927.48	4,631.58	295.90	16.653		
13,400.00	7,141.21	7,047.21	7,047.21	187.10	244.30	90.50	1,358.50	-277.53	5,025.07	4,729.25	295.82	16.987		
13,500.00	7,141.41	7,047.41	7,047.41	189.91	244.30	90.51	1,358.50	-277.53	5,122.75	4,827.00	295.75	17.321		
13,600.00	7,141.60	7,047.60	7,047.60	192.73	244.31	90.52	1,358.50	-277.53	5,220.52	4,924.84	295.68	17.656		
13,700.00	7,141.79	7,047.79	7,047.79	195.54	244.32	90.53	1,358.50	-277.53	5,318.38	5,022.75	295.62	17.991		
13,800.00	7,141.99	7,047.99	7,047.99	198.36	244.32	90.54	1,358.50	-277.53	5,416.31	5,120.74	295.56	18.325		
13,900.00	7,142.18	7,048.18	7,048.18	201.18	244.33	90.55	1,358.50	-277.53	5,514.31	5,218.80	295.51	18.660		
14,000.00	7,142.37	7,048.37	7,048.37	204.01	244.34	90.56	1,358.50	-277.53	5,612.39	5,316.93	295.46	18.995		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,048.57	7,048.57	206.83	244.34	90.57	1,358.50	-277.53	5,710.54	5,415.12	295.42	19.330		
14,200.00	7,142.76	7,048.76	7,048.76	209.65	244.35	90.58	1,358.50	-277.53	5,808.74	5,513.36	295.38	19.665		
14,300.00	7,142.96	7,048.96	7,048.96	212.48	244.36	90.59	1,358.50	-277.53	5,907.01	5,611.67	295.34	20.001		
14,400.00	7,143.15	7,049.15	7,049.15	215.30	244.36	90.60	1,358.50	-277.53	6,005.33	5,710.02	295.31	20.336		
14,500.00	7,143.34	7,049.34	7,049.34	218.13	244.37	90.61	1,358.50	-277.53	6,103.71	5,808.43	295.28	20.671		
14,600.00	7,143.54	7,049.54	7,049.54	220.96	244.38	90.62	1,358.50	-277.53	6,202.14	5,906.89	295.25	21.006		
14,700.00	7,143.73	7,049.73	7,049.73	223.79	244.38	90.64	1,358.50	-277.53	6,300.62	6,005.39	295.23	21.341		
14,800.00	7,143.93	7,049.93	7,049.93	226.62	244.39	90.65	1,358.50	-277.53	6,399.15	6,103.94	295.21	21.676		
14,838.32	7,144.00	7,050.00	7,050.00	227.70	244.39	90.65	1,358.50	-277.53	6,436.92	6,141.71	295.21	21.805		
14,900.00	7,144.12	7,050.12	7,050.12	229.45	244.40	90.76	1,358.50	-277.53	6,497.83	6,202.63	295.20	22.012		
15,000.00	7,144.32	7,050.32	7,050.32	232.26	244.40	91.02	1,358.50	-277.53	6,597.01	6,301.80	295.20	22.347		
15,027.81	7,144.37	7,050.37	7,050.37	233.04	244.41	91.13	1,358.50	-277.53	6,624.66	6,329.46	295.20	22.441		
15,100.00	7,144.51	7,050.51	7,050.51	235.07	244.41	91.14	1,358.50	-277.53	6,696.50	6,401.28	295.22	22.683		
15,200.00	7,144.71	7,050.71	7,050.71	237.87	244.42	91.16	1,358.50	-277.53	6,796.02	6,500.79	295.23	23.019		
15,300.00	7,144.91	7,050.91	7,050.91	240.68	244.42	91.18	1,358.50	-277.53	6,895.56	6,600.31	295.25	23.355		
15,400.00	7,145.10	7,051.10	7,051.10	243.48	244.43	91.19	1,358.50	-277.53	6,995.11	6,699.84	295.27	23.690		
15,500.00	7,145.30	7,051.30	7,051.30	246.29	244.44	91.21	1,358.50	-277.53	7,094.67	6,799.38	295.30	24.026		
15,600.00	7,145.50	7,051.50	7,051.50	249.10	244.44	91.23	1,358.50	-277.53	7,194.25	6,898.93	295.32	24.361		
15,700.00	7,145.69	7,051.69	7,051.69	251.91	244.45	91.24	1,358.50	-277.53	7,293.84	6,998.49	295.35	24.696		
15,800.00	7,145.89	7,051.89	7,051.89	254.71	244.46	91.26	1,358.50	-277.53	7,393.43	7,098.06	295.37	25.031		
15,900.00	7,146.09	7,052.09	7,052.09	257.52	244.47	91.28	1,358.50	-277.53	7,493.04	7,197.64	295.40	25.365		
16,000.00	7,146.28	7,052.28	7,052.28	260.34	244.47	91.30	1,358.50	-277.53	7,592.66	7,297.23	295.44	25.700		
16,100.00	7,146.48	7,052.48	7,052.48	263.15	244.48	91.31	1,358.50	-277.53	7,692.29	7,396.82	295.47	26.034		
16,200.00	7,146.68	7,052.68	7,052.68	265.96	244.49	91.33	1,358.50	-277.53	7,791.93	7,496.43	295.50	26.368		
16,300.00	7,146.87	7,052.87	7,052.87	268.77	244.49	91.35	1,358.50	-277.53	7,891.58	7,596.04	295.54	26.702		
16,400.00	7,147.07	7,053.07	7,053.07	271.58	244.50	91.36	1,358.50	-277.53	7,991.23	7,695.66	295.58	27.036		
16,500.00	7,147.27	7,053.27	7,053.27	274.40	244.51	91.38	1,358.50	-277.53	8,090.90	7,795.28	295.62	27.370		
16,600.00	7,147.46	7,053.46	7,053.46	277.21	244.51	91.40	1,358.50	-277.53	8,190.57	7,894.91	295.66	27.703		
16,700.00	7,147.66	7,053.66	7,053.66	280.03	244.52	91.42	1,358.50	-277.53	8,290.25	7,994.55	295.70	28.036		
16,800.00	7,147.86	7,053.86	7,053.86	282.84	244.53	91.43	1,358.50	-277.53	8,389.94	8,094.20	295.74	28.369		
16,900.00	7,148.05	7,054.05	7,054.05	285.66	244.53	91.45	1,358.50	-277.53	8,489.63	8,193.85	295.79	28.702		
17,000.00	7,148.25	7,054.25	7,054.25	288.48	244.54	91.47	1,358.50	-277.53	8,589.34	8,293.51	295.83	29.035		
17,100.00	7,148.45	7,054.45	7,054.45	291.29	244.55	91.48	1,358.50	-277.53	8,689.05	8,393.17	295.88	29.367		
17,200.00	7,148.64	7,054.64	7,054.64	294.11	244.55	91.50	1,358.50	-277.53	8,788.76	8,492.84	295.93	29.699		
17,300.00	7,148.84	7,054.84	7,054.84	296.93	244.56	91.52	1,358.50	-277.53	8,888.49	8,592.51	295.98	30.031		
17,400.00	7,149.04	7,055.04	7,055.04	299.75	244.57	91.54	1,358.50	-277.53	8,988.21	8,692.19	296.03	30.363		
17,500.00	7,149.23	7,055.23	7,055.23	302.57	244.58	91.55	1,358.50	-277.53	9,087.95	8,791.87	296.08	30.694		
17,600.00	7,149.43	7,055.43	7,055.43	305.39	244.58	91.57	1,358.50	-277.53	9,187.69	8,891.56	296.13	31.026		
17,700.00	7,149.63	7,055.63	7,055.63	308.21	244.59	91.59	1,358.50	-277.53	9,287.44	8,991.25	296.19	31.357		
17,800.00	7,149.82	7,055.82	7,055.82	311.03	244.60	91.60	1,358.50	-277.53	9,387.19	9,090.94	296.24	31.687		
17,900.00	7,150.02	7,056.02	7,056.02	313.85	244.60	91.62	1,358.50	-277.53	9,486.94	9,190.64	296.30	32.018		
18,000.00	7,150.22	7,056.22	7,056.22	316.67	244.61	91.64	1,358.50	-277.53	9,586.71	9,290.35	296.36	32.348		
18,100.00	7,150.41	7,056.41	7,056.41	319.49	244.62	91.66	1,358.50	-277.53	9,686.47	9,390.06	296.42	32.679		
18,200.00	7,150.61	7,056.61	7,056.61	322.32	244.62	91.67	1,358.50	-277.53	9,786.24	9,489.77	296.48	33.009		
18,300.00	7,150.81	7,056.81	7,056.81	325.14	244.63	91.69	1,358.50	-277.53	9,886.02	9,589.48	296.54	33.338		
18,400.00	7,151.00	7,057.00	7,057.00	327.96	244.64	91.71	1,358.50	-277.53	9,985.80	9,689.20	296.60	33.668		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-127.95	-2,385.29	-3,058.81	3,878.93					
100.00	100.00	77.24	77.24	3.28	3.28	-127.95	-2,385.41	-3,058.82	3,879.00	3,872.43	6.57	590.510		
200.00	200.00	218.73	218.72	3.34	3.36	-127.96	-2,385.62	-3,058.12	3,878.71	3,872.01	6.70	579.211		
224.40	224.40	239.59	239.58	3.36	3.38	152.04	-2,385.56	-3,057.96	3,878.60	3,871.87	6.74	575.659		
300.00	299.98	303.85	303.84	3.44	3.46	152.05	-2,385.20	-3,057.74	3,879.59	3,872.69	6.90	562.384		
400.00	399.84	381.95	381.94	3.60	3.57	152.04	-2,384.86	-3,057.83	3,884.04	3,876.86	7.18	541.305		
500.00	499.45	519.95	519.94	3.81	3.85	152.05	-2,384.36	-3,057.44	3,891.28	3,883.62	7.65	508.451		
600.00	598.70	588.41	588.40	4.06	4.01	152.02	-2,384.07	-3,057.24	3,901.57	3,893.51	8.06	483.958		
700.00	697.47	722.70	722.69	4.34	4.36	152.04	-2,383.29	-3,056.77	3,914.77	3,906.07	8.70	449.884		
785.50	781.43	783.65	783.63	4.61	4.54	151.99	-2,382.81	-3,056.60	3,928.44	3,919.30	9.15	429.435		
800.00	795.63	800.00	799.98	4.66	4.59	152.02	-2,382.69	-3,056.62	3,931.01	3,921.76	9.25	425.115		
900.00	893.55	911.01	910.99	5.02	4.93	152.18	-2,382.28	-3,056.20	3,948.52	3,938.60	9.93	397.793		
1,000.00	991.47	1,000.09	1,000.07	5.40	5.22	152.30	-2,382.20	-3,055.54	3,965.92	3,955.35	10.57	375.108		
1,100.00	1,089.39	1,091.81	1,091.78	5.80	5.53	152.42	-2,382.16	-3,055.01	3,983.50	3,972.24	11.26	353.876		
1,200.00	1,187.31	1,183.46	1,183.44	6.21	5.85	152.54	-2,382.16	-3,054.63	4,001.25	3,989.28	11.96	334.435		
1,300.00	1,285.22	1,275.05	1,275.02	6.64	6.18	152.66	-2,382.19	-3,054.40	4,019.17	4,006.48	12.69	316.696		
1,400.00	1,383.14	1,366.57	1,366.55	7.08	6.52	152.78	-2,382.27	-3,054.33	4,037.28	4,023.84	13.43	300.533		
1,500.00	1,481.06	1,458.03	1,458.00	7.52	6.86	152.90	-2,382.38	-3,054.41	4,055.55	4,041.36	14.19	285.807		
1,600.00	1,578.98	1,563.71	1,563.69	7.98	7.26	153.05	-2,382.35	-3,054.69	4,073.92	4,058.90	15.01	271.335		
1,700.00	1,676.90	1,687.51	1,687.48	8.44	7.73	153.22	-2,381.40	-3,054.99	4,091.84	4,075.91	15.92	256.946		
1,800.00	1,774.82	1,787.63	1,787.60	8.90	8.12	153.36	-2,380.70	-3,054.68	4,109.40	4,092.65	16.75	245.343		
1,900.00	1,872.74	1,885.34	1,885.30	9.37	8.50	153.49	-2,380.13	-3,054.32	4,126.98	4,109.41	17.57	234.861		
2,000.00	1,970.66	1,982.97	1,982.93	9.84	8.89	153.62	-2,379.39	-3,054.09	4,144.60	4,126.20	18.40	225.241		
2,100.00	2,068.57	2,073.28	2,073.24	10.32	9.25	153.74	-2,378.83	-3,053.87	4,162.31	4,143.11	19.20	216.747		
2,200.00	2,166.49	2,171.64	2,171.60	10.80	9.65	153.86	-2,378.31	-3,053.74	4,180.18	4,160.14	20.05	208.533		
2,300.00	2,264.41	2,301.27	2,301.21	11.28	10.17	154.05	-2,376.23	-3,054.00	4,197.76	4,176.73	21.03	199.617		
2,400.00	2,362.33	2,436.28	2,436.18	11.76	10.72	154.24	-2,373.07	-3,053.35	4,214.32	4,192.28	22.04	191.196		
2,500.00	2,460.25	2,528.89	2,528.76	12.24	11.10	154.37	-2,371.10	-3,052.38	4,230.63	4,207.75	22.87	184.961		
2,600.00	2,558.17	2,608.73	2,608.58	12.73	11.43	154.48	-2,369.21	-3,052.03	4,247.30	4,223.65	23.65	179.591		
2,700.00	2,656.09	2,698.86	2,698.69	13.22	11.80	154.61	-2,367.15	-3,051.92	4,264.30	4,239.82	24.47	174.236		
2,800.00	2,754.01	2,810.29	2,810.09	13.71	12.26	154.77	-2,364.82	-3,051.53	4,281.25	4,255.85	25.40	168.577		
2,900.00	2,851.92	2,883.53	2,883.32	14.20	12.56	154.87	-2,363.42	-3,051.35	4,298.40	4,272.25	26.15	164.390		
3,000.00	2,949.84	2,978.94	2,978.72	14.69	12.95	154.99	-2,362.18	-3,051.08	4,315.89	4,288.88	27.00	159.845		
3,100.00	3,047.76	3,050.56	3,050.34	15.18	13.25	155.07	-2,361.89	-3,050.59	4,333.60	4,305.86	27.74	156.199		
3,200.00	3,145.68	3,121.43	3,121.21	15.67	13.54	155.15	-2,361.94	-3,050.58	4,352.08	4,323.59	28.48	152.795		
3,300.00	3,243.60	3,200.00	3,199.78	16.17	13.87	155.25	-2,361.78	-3,050.94	4,370.87	4,341.61	29.26	149.395		
3,400.00	3,341.52	3,271.08	3,270.85	16.66	14.16	155.33	-2,361.95	-3,051.50	4,390.20	4,360.21	29.99	146.365		
3,500.00	3,439.44	3,380.71	3,380.47	17.16	14.62	155.45	-2,363.26	-3,052.46	4,410.12	4,379.20	30.92	142.637		
3,600.00	3,537.36	3,456.17	3,455.92	17.65	14.93	155.53	-2,363.92	-3,053.04	4,429.80	4,398.12	31.68	139.840		
3,700.00	3,635.27	3,553.71	3,553.45	18.15	15.34	155.63	-2,365.08	-3,054.36	4,450.10	4,417.55	32.54	136.738		
3,800.00	3,733.19	3,711.77	3,711.50	18.65	16.00	155.80	-2,366.28	-3,055.01	4,469.36	4,435.66	33.71	132.590		
3,900.00	3,831.11	3,789.54	3,789.27	19.14	16.32	155.88	-2,366.32	-3,055.35	4,488.34	4,453.85	34.48	130.162		
4,000.00	3,929.03	3,894.84	3,894.56	19.64	16.76	156.00	-2,366.70	-3,055.83	4,507.50	4,472.11	35.39	127.358		
4,100.00	4,026.95	4,004.55	4,004.28	20.14	17.22	156.11	-2,367.04	-3,056.02	4,526.43	4,490.11	36.32	124.611		
4,200.00	4,124.87	4,114.40	4,114.12	20.64	17.68	156.22	-2,367.33	-3,055.91	4,545.12	4,507.86	37.26	121.990		
4,300.00	4,222.79	4,224.37	4,224.09	21.14	18.14	156.33	-2,367.57	-3,055.49	4,563.56	4,525.37	38.19	119.485		
4,400.00	4,320.71	4,334.47	4,334.19	21.64	18.61	156.44	-2,367.74	-3,054.76	4,581.76	4,542.63	39.13	117.090		
4,500.00	4,418.62	4,444.70	4,444.41	22.14	19.07	156.54	-2,367.86	-3,053.72	4,599.71	4,559.64	40.07	114.797		
4,600.00	4,516.54	4,505.00	4,504.72	22.64	19.32	156.61	-2,367.82	-3,053.72	4,618.20	4,577.44	40.76	113.300		
4,700.00	4,614.46	4,618.50	4,618.21	23.14	19.80	156.72	-2,367.63	-3,053.29	4,636.46	4,594.75	41.72	111.142		
4,800.00	4,712.38	4,672.28	4,672.00	23.64	20.03	156.77	-2,367.61	-3,053.37	4,655.26	4,612.89	42.37	109.862		
4,900.00	4,810.30	4,784.53	4,784.24	24.14	20.50	156.89	-2,367.52	-3,054.35	4,674.70	4,631.38	43.32	107.901		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,876.26	4,875.96	24.64	20.89	157.00	-2,366.78	-3,055.08	4,693.68	4,649.51	44.17	106.261		
5,100.00	5,006.14	5,010.20	5,009.90	25.14	21.46	157.15	-2,365.57	-3,056.04	4,712.59	4,667.35	45.23	104.186		
5,200.00	5,104.06	5,068.30	5,068.00	25.64	21.70	157.21	-2,365.35	-3,056.29	4,731.46	4,685.55	45.91	103.060		
5,300.00	5,201.97	5,190.69	5,190.38	26.14	22.22	157.33	-2,365.12	-3,057.09	4,750.74	4,703.83	46.91	101.264		
5,400.00	5,299.89	5,267.95	5,267.64	26.64	22.55	157.41	-2,364.91	-3,057.31	4,769.64	4,721.95	47.69	100.016		
5,500.00	5,397.81	5,420.59	5,420.27	27.15	23.19	157.57	-2,363.82	-3,058.09	4,788.64	4,739.79	48.85	98.031		
5,600.00	5,495.73	5,483.37	5,483.05	27.65	23.46	157.64	-2,363.10	-3,058.43	4,807.22	4,757.67	49.55	97.017		
5,700.00	5,593.65	5,581.18	5,580.84	28.15	23.87	157.75	-2,361.69	-3,059.33	4,826.07	4,775.64	50.43	95.698		
5,800.00	5,691.57	5,661.10	5,660.75	28.65	24.21	157.84	-2,360.59	-3,060.11	4,845.04	4,793.82	51.22	94.597		
5,900.00	5,789.49	5,772.44	5,772.08	29.15	24.68	157.96	-2,359.54	-3,061.26	4,864.29	4,812.13	52.17	93.242		
6,000.00	5,887.41	5,899.84	5,899.47	29.66	25.22	158.10	-2,357.95	-3,061.84	4,882.90	4,829.70	53.20	91.780		
6,100.00	5,985.32	5,987.05	5,986.68	30.16	25.59	158.19	-2,357.05	-3,061.95	4,901.37	4,847.34	54.03	90.718		
6,200.00	6,083.24	6,081.07	6,080.69	30.66	25.99	158.28	-2,356.24	-3,062.16	4,920.02	4,865.12	54.89	89.633		
6,300.00	6,181.16	6,220.02	6,219.64	31.16	26.58	158.40	-2,355.73	-3,061.52	4,938.38	4,882.39	55.99	88.208		
6,400.00	6,279.08	6,267.20	6,266.82	31.67	26.78	158.45	-2,355.47	-3,061.53	4,956.90	4,900.30	56.60	87.571		
6,490.03	6,367.24	6,369.97	6,369.58	32.12	27.22	158.55	-2,354.88	-3,061.98	4,974.06	4,916.58	57.48	86.542		
6,500.00	6,377.01	6,390.21	6,389.83	32.17	27.30	159.58	-2,354.71	-3,061.98	4,975.84	4,918.22	57.62	86.360		
6,550.00	6,426.43	6,429.03	6,428.64	32.40	27.47	168.36	-2,354.40	-3,061.94	4,982.79	4,924.79	58.00	85.917		
6,600.00	6,476.27	6,461.37	6,460.98	32.61	27.61	-156.79	-2,354.26	-3,061.96	4,986.61	4,928.29	58.32	85.499		
6,650.00	6,526.21	6,500.00	6,499.61	32.80	27.77	-70.54	-2,354.24	-3,062.08	4,987.30	4,928.63	58.67	85.012		
6,700.00	6,575.96	6,567.82	6,567.43	32.98	28.06	-49.69	-2,354.23	-3,062.22	4,984.66	4,925.52	59.15	84.276		
6,750.00	6,625.19	6,620.18	6,619.79	33.16	28.28	-43.78	-2,354.09	-3,062.15	4,978.50	4,918.96	59.54	83.621		
6,800.00	6,673.62	6,652.57	6,652.18	33.35	28.42	-41.38	-2,354.11	-3,062.14	4,969.21	4,909.40	59.81	83.081		
6,850.00	6,720.94	6,723.56	6,723.05	33.55	28.72	-40.40	-2,354.17	-3,062.14	4,956.87	4,896.63	60.23	82.294		
6,900.00	6,766.86	6,722.39	6,722.00	33.76	28.71	-40.29	-2,354.53	-3,062.26	4,941.59	4,881.22	60.37	81.858		
6,950.00	6,811.10	6,766.67	6,766.28	33.98	28.90	-40.75	-2,354.87	-3,062.37	4,923.32	4,862.63	60.69	81.125		
7,000.00	6,853.38	6,809.00	6,808.61	34.23	29.08	-41.66	-2,355.20	-3,062.48	4,902.18	4,841.18	61.00	80.368		
7,050.00	6,893.45	6,849.13	6,848.73	34.50	29.25	-42.99	-2,355.51	-3,062.58	4,878.32	4,817.03	61.29	79.589		
7,100.00	6,931.05	6,886.79	6,886.40	34.79	29.41	-44.73	-2,355.81	-3,062.68	4,851.92	4,790.34	61.58	78.788		
7,150.00	6,965.96	6,921.77	6,921.38	35.12	29.56	-46.89	-2,356.08	-3,062.77	4,823.14	4,761.28	61.86	77.965		
7,200.00	6,997.96	6,953.85	6,953.45	35.47	29.69	-49.49	-2,356.33	-3,062.85	4,792.19	4,730.05	62.14	77.120		
7,250.00	7,026.85	6,982.83	6,982.43	35.86	29.82	-52.56	-2,356.56	-3,062.92	4,759.29	4,696.87	62.41	76.254		
7,300.00	7,052.45	7,008.52	7,008.12	36.29	29.93	-56.13	-2,356.76	-3,062.99	4,724.64	4,661.95	62.69	75.366		
7,350.00	7,074.61	7,030.78	7,030.38	36.76	30.02	-60.22	-2,356.93	-3,063.04	4,688.49	4,625.52	62.97	74.459		
7,400.00	7,093.19	7,049.47	7,049.06	37.27	30.10	-64.82	-2,357.08	-3,063.09	4,651.07	4,587.82	63.25	73.532		
7,450.00	7,108.07	7,064.46	7,064.05	37.81	30.16	-69.92	-2,357.19	-3,063.13	4,612.64	4,549.09	63.54	72.590		
7,500.00	7,119.17	7,075.67	7,075.26	38.39	30.21	-75.43	-2,357.28	-3,063.16	4,573.44	4,509.59	63.84	71.635		
7,550.00	7,126.41	7,083.03	7,082.62	38.99	30.24	-81.26	-2,357.34	-3,063.18	4,533.72	4,469.57	64.15	70.672		
7,600.00	7,129.75	7,086.49	7,086.08	39.62	30.26	-87.25	-2,357.37	-3,063.19	4,493.75	4,429.28	64.47	69.706		
7,616.41	7,130.00	7,086.77	7,086.36	39.83	30.26	-89.22	-2,357.37	-3,063.19	4,480.62	4,416.05	64.57	69.389		
7,700.00	7,130.16	7,087.13	7,086.73	40.97	30.26	-89.23	-2,357.37	-3,063.19	4,414.01	4,348.86	65.15	67.751		
7,800.00	7,130.35	7,087.56	7,087.16	42.46	30.26	-89.24	-2,357.37	-3,063.19	4,335.11	4,269.15	65.96	65.728		
7,900.00	7,130.55	7,087.99	7,087.59	44.09	30.26	-89.25	-2,357.38	-3,063.19	4,257.09	4,190.20	66.89	63.646		
8,000.00	7,130.74	7,088.43	7,088.02	45.84	30.27	-89.26	-2,357.38	-3,063.19	4,180.00	4,112.06	67.95	61.517		
8,100.00	7,130.94	7,088.86	7,088.45	47.70	30.27	-89.26	-2,357.38	-3,063.19	4,103.91	4,034.77	69.14	59.354		
8,200.00	7,131.13	7,089.29	7,088.89	49.65	30.27	-89.27	-2,357.39	-3,063.19	4,028.86	3,958.39	70.47	57.169		
8,300.00	7,131.32	7,089.72	7,089.32	51.70	30.27	-89.28	-2,357.39	-3,063.19	3,954.92	3,882.98	71.94	54.975		
8,400.00	7,131.52	7,090.15	7,089.75	53.81	30.27	-89.29	-2,357.39	-3,063.20	3,882.14	3,808.60	73.54	52.787		
8,500.00	7,131.71	7,090.59	7,090.18	55.99	30.27	-89.30	-2,357.40	-3,063.20	3,810.60	3,735.32	75.28	50.616		
8,600.00	7,131.90	7,091.02	7,090.61	58.24	30.28	-89.31	-2,357.40	-3,063.20	3,740.36	3,663.20	77.16	48.474		
8,700.00	7,132.10	7,091.45	7,091.05	60.53	30.28	-89.32	-2,357.40	-3,063.20	3,671.51	3,592.33	79.18	46.371		
8,800.00	7,132.29	7,091.88	7,091.48	62.87	30.28	-89.33	-2,357.41	-3,063.20	3,604.11	3,522.78	81.33	44.316		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,092.32	7,091.91	65.25	30.28	-89.34	-2,357.41	-3,063.20	3,538.26	3,454.65	83.61	42.319		
9,000.00	7,132.68	7,092.75	7,092.34	67.68	30.28	-89.35	-2,357.41	-3,063.20	3,474.03	3,388.01	86.02	40.386		
9,100.00	7,132.87	7,093.18	7,092.77	70.13	30.29	-89.36	-2,357.42	-3,063.20	3,411.53	3,322.97	88.56	38.522		
9,200.00	7,133.07	7,093.61	7,093.21	72.61	30.29	-89.37	-2,357.42	-3,063.20	3,350.85	3,259.62	91.22	36.732		
9,300.00	7,133.26	7,094.04	7,093.64	75.13	30.29	-89.38	-2,357.42	-3,063.21	3,292.08	3,198.08	94.01	35.019		
9,400.00	7,133.46	7,094.48	7,094.07	77.66	30.29	-89.38	-2,357.43	-3,063.21	3,235.35	3,138.44	96.90	33.387		
9,500.00	7,133.65	7,094.91	7,094.50	80.22	30.29	-89.39	-2,357.43	-3,063.21	3,180.74	3,080.83	99.91	31.836		
9,600.00	7,133.84	7,095.34	7,094.94	82.80	30.29	-89.40	-2,357.43	-3,063.21	3,128.38	3,025.36	103.02	30.368		
9,700.00	7,134.04	7,095.77	7,095.37	85.40	30.30	-89.41	-2,357.44	-3,063.21	3,078.37	2,972.16	106.21	28.983		
9,800.00	7,134.23	7,096.20	7,095.80	88.01	30.30	-89.42	-2,357.44	-3,063.21	3,030.85	2,921.35	109.50	27.680		
9,900.00	7,134.43	7,096.64	7,096.23	90.64	30.30	-89.43	-2,357.45	-3,063.21	2,985.91	2,873.06	112.85	26.459		
10,000.00	7,134.62	7,097.07	7,096.66	93.28	30.30	-89.44	-2,357.45	-3,063.21	2,943.69	2,827.43	116.26	25.319		
10,100.00	7,134.81	7,097.50	7,097.10	95.94	30.30	-89.45	-2,357.45	-3,063.21	2,904.30	2,784.57	119.72	24.258		
10,200.00	7,135.01	7,097.93	7,097.53	98.61	30.31	-89.46	-2,357.46	-3,063.21	2,867.85	2,744.64	123.22	23.275		
10,300.00	7,135.20	7,098.36	7,097.96	101.28	30.31	-89.47	-2,357.46	-3,063.22	2,834.47	2,707.74	126.73	22.367		
10,400.00	7,135.39	7,098.80	7,098.39	103.97	30.31	-89.48	-2,357.46	-3,063.22	2,804.26	2,674.02	130.24	21.532		
10,500.00	7,135.59	7,099.23	7,098.82	106.67	30.31	-89.49	-2,357.47	-3,063.22	2,777.32	2,643.59	133.73	20.769		
10,600.00	7,135.78	7,099.66	7,099.26	109.38	30.31	-89.49	-2,357.47	-3,063.22	2,753.75	2,616.57	137.18	20.074		
10,700.00	7,135.98	7,100.09	7,099.69	112.09	30.31	-89.50	-2,357.47	-3,063.22	2,733.64	2,593.06	140.57	19.446		
10,800.00	7,136.17	7,100.53	7,100.12	114.81	30.32	-89.51	-2,357.48	-3,063.22	2,717.06	2,573.16	143.90	18.882		
10,900.00	7,136.36	7,100.96	7,100.55	117.54	30.32	-89.52	-2,357.48	-3,063.22	2,704.08	2,556.96	147.12	18.380		
11,000.00	7,136.56	7,101.39	7,100.98	120.28	30.32	-89.53	-2,357.48	-3,063.22	2,694.75	2,544.51	150.24	17.937		
11,100.00	7,136.75	7,101.82	7,101.42	123.02	30.32	-89.54	-2,357.49	-3,063.22	2,689.11	2,535.89	153.22	17.550		
11,200.00	7,136.95	7,102.25	7,101.85	125.76	30.32	-89.55	-2,357.49	-3,063.23	2,687.18	2,531.12	156.07	17.218		
11,201.82	7,136.95	7,102.26	7,101.86	125.81	30.32	-89.55	-2,357.49	-3,063.23	2,687.18	2,531.07	156.12	17.213 CC		
11,300.00	7,137.14	7,102.69	7,102.28	128.52	30.33	-89.56	-2,357.49	-3,063.23	2,688.98	2,530.22	158.75	16.938 ES		
11,400.00	7,137.33	7,103.12	7,102.71	131.27	30.33	-89.57	-2,357.50	-3,063.23	2,694.48	2,533.21	161.27	16.708		
11,500.00	7,137.53	7,103.55	7,103.14	134.03	30.33	-89.58	-2,357.50	-3,063.23	2,703.68	2,540.07	163.61	16.526		
11,600.00	7,137.72	7,103.98	7,103.58	136.80	30.33	-89.59	-2,357.50	-3,063.23	2,716.52	2,550.76	165.76	16.388		
11,700.00	7,137.92	7,104.41	7,104.01	139.57	30.33	-89.60	-2,357.51	-3,063.23	2,732.97	2,565.25	167.72	16.295		
11,800.00	7,138.11	7,104.85	7,104.44	142.34	30.33	-89.61	-2,357.51	-3,063.23	2,752.96	2,583.46	169.50	16.242		
11,900.00	7,138.30	7,105.28	7,104.87	145.12	30.34	-89.61	-2,357.51	-3,063.23	2,776.40	2,605.32	171.08	16.229 SF		
12,000.00	7,138.50	7,105.71	7,105.31	147.90	30.34	-89.62	-2,357.52	-3,063.23	2,803.22	2,630.74	172.48	16.253		
12,100.00	7,138.69	7,106.14	7,105.74	150.68	30.34	-89.63	-2,357.52	-3,063.24	2,833.31	2,659.62	173.69	16.312		
12,200.00	7,138.88	7,106.57	7,106.17	153.47	30.34	-89.64	-2,357.52	-3,063.24	2,866.58	2,691.85	174.73	16.406		
12,300.00	7,139.08	7,107.01	7,106.60	156.26	30.34	-89.65	-2,357.53	-3,063.24	2,902.92	2,727.32	175.60	16.531		
12,400.00	7,139.27	7,107.44	7,107.03	159.05	30.35	-89.66	-2,357.53	-3,063.24	2,942.20	2,765.89	176.31	16.688		
12,500.00	7,139.47	7,107.87	7,107.47	161.85	30.35	-89.67	-2,357.53	-3,063.24	2,984.32	2,807.45	176.87	16.873		
12,600.00	7,139.66	7,108.30	7,107.90	164.64	30.35	-89.68	-2,357.54	-3,063.24	3,029.16	2,851.87	177.29	17.086		
12,700.00	7,139.85	7,108.73	7,108.33	167.44	30.35	-89.69	-2,357.54	-3,063.24	3,076.60	2,899.02	177.58	17.325		
12,800.00	7,140.05	7,109.17	7,108.76	170.24	30.35	-89.70	-2,357.54	-3,063.24	3,126.51	2,948.76	177.75	17.589		
12,900.00	7,140.24	7,109.60	7,109.19	173.05	30.36	-89.71	-2,357.55	-3,063.24	3,178.79	3,000.97	177.82	17.877		
13,000.00	7,140.44	7,110.03	7,109.63	175.85	30.36	-89.72	-2,357.55	-3,063.25	3,233.32	3,055.54	177.78	18.187		
13,100.00	7,140.63	7,110.46	7,110.06	178.66	30.36	-89.73	-2,357.55	-3,063.25	3,289.98	3,112.32	177.66	18.519		
13,200.00	7,140.82	7,110.90	7,110.49	181.47	30.36	-89.73	-2,357.56	-3,063.25	3,348.67	3,171.22	177.45	18.871		
13,300.00	7,141.02	7,111.33	7,110.92	184.28	30.36	-89.74	-2,357.56	-3,063.25	3,409.28	3,232.11	177.18	19.242		
13,400.00	7,141.21	7,111.76	7,111.35	187.10	30.36	-89.75	-2,357.56	-3,063.25	3,471.72	3,294.88	176.84	19.632		
13,500.00	7,141.41	7,112.19	7,111.79	189.91	30.37	-89.76	-2,357.57	-3,063.25	3,535.88	3,359.43	176.45	20.039		
13,600.00	7,141.60	7,112.62	7,112.22	192.73	30.37	-89.77	-2,357.57	-3,063.25	3,601.68	3,425.67	176.01	20.463		
13,700.00	7,141.79	7,113.06	7,112.65	195.54	30.37	-89.78	-2,357.57	-3,063.25	3,669.02	3,493.49	175.53	20.903		
13,800.00	7,141.99	7,113.49	7,113.08	198.36	30.37	-89.79	-2,357.58	-3,063.25	3,737.83	3,562.81	175.01	21.357		
13,900.00	7,142.18	7,113.92	7,113.51	201.18	30.37	-89.80	-2,357.58	-3,063.26	3,808.01	3,633.55	174.47	21.826		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,114.35	7,113.95	204.01	30.38	-89.81	-2,357.58	-3,063.26	3,879.51	3,705.61	173.90	22.309		
14,100.00	7,142.57	7,114.78	7,114.38	206.83	30.38	-89.82	-2,357.59	-3,063.26	3,952.24	3,778.93	173.31	22.804		
14,200.00	7,142.76	7,115.22	7,114.81	209.65	30.38	-89.83	-2,357.59	-3,063.26	4,026.15	3,853.44	172.70	23.312		
14,300.00	7,142.96	7,115.65	7,115.24	212.48	30.38	-89.84	-2,357.59	-3,063.26	4,101.16	3,929.07	172.08	23.832		
14,400.00	7,143.15	7,116.08	7,115.68	215.30	30.38	-89.84	-2,357.60	-3,063.26	4,177.21	4,005.76	171.46	24.363		
14,500.00	7,143.34	7,116.51	7,116.11	218.13	30.38	-89.85	-2,357.60	-3,063.26	4,254.26	4,083.44	170.82	24.905		
14,600.00	7,143.54	7,116.94	7,116.54	220.96	30.39	-89.86	-2,357.60	-3,063.26	4,332.24	4,162.07	170.18	25.457		
14,700.00	7,143.73	7,117.38	7,116.97	223.79	30.39	-89.87	-2,357.61	-3,063.26	4,411.12	4,241.58	169.54	26.019		
14,800.00	7,143.93	7,117.81	7,117.40	226.62	30.39	-89.88	-2,357.61	-3,063.27	4,490.83	4,321.94	168.89	26.590		
14,838.32	7,144.00	7,117.97	7,117.57	227.70	30.39	-89.89	-2,357.61	-3,063.27	4,521.60	4,352.95	168.65	26.811		
14,900.00	7,144.12	7,118.25	7,117.84	229.45	30.39	-89.89	-2,357.61	-3,063.27	4,570.95	4,402.71	168.24	27.169		
15,000.00	7,144.32	7,118.71	7,118.31	232.26	30.39	-89.90	-2,357.62	-3,063.27	4,649.91	4,482.35	167.56	27.751		
15,027.81	7,144.37	7,118.84	7,118.44	233.04	30.39	-89.91	-2,357.62	-3,063.27	4,671.63	4,504.27	167.36	27.913		
15,100.00	7,144.51	7,119.20	7,118.79	235.07	30.40	-89.91	-2,357.62	-3,063.27	4,728.10	4,561.25	166.85	28.338		
15,200.00	7,144.71	7,119.68	7,119.28	237.87	30.40	-89.92	-2,357.62	-3,063.27	4,807.02	4,640.88	166.14	28.934		
15,300.00	7,144.91	7,120.17	7,119.76	240.68	30.40	-89.93	-2,357.63	-3,063.27	4,886.71	4,721.27	165.44	29.539		
15,400.00	7,145.10	7,120.65	7,120.25	243.48	30.40	-89.94	-2,357.63	-3,063.27	4,967.13	4,802.39	164.74	30.152		
15,500.00	7,145.30	7,121.14	7,120.74	246.29	30.40	-89.95	-2,357.64	-3,063.27	5,048.25	4,884.21	164.04	30.774		
15,600.00	7,145.50	7,121.63	7,121.22	249.10	30.41	-89.96	-2,357.64	-3,063.28	5,130.04	4,966.68	163.36	31.403		
15,700.00	7,145.69	7,122.11	7,121.71	251.91	30.41	-89.97	-2,357.64	-3,063.28	5,212.47	5,049.78	162.68	32.040		
15,800.00	7,145.89	7,122.60	7,122.19	254.71	30.41	-89.98	-2,357.65	-3,063.28	5,295.50	5,133.48	162.02	32.685		
15,900.00	7,146.09	7,123.09	7,122.68	257.52	30.41	-89.99	-2,357.65	-3,063.28	5,379.11	5,217.75	161.36	33.337		
16,000.00	7,146.28	7,123.57	7,123.17	260.34	30.41	-90.00	-2,357.66	-3,063.28	5,463.26	5,302.56	160.71	33.995		
16,100.00	7,146.48	7,124.06	7,123.65	263.15	30.42	-90.01	-2,357.66	-3,063.28	5,547.95	5,387.88	160.07	34.660		
16,200.00	7,146.68	7,124.55	7,124.14	265.96	30.42	-90.02	-2,357.66	-3,063.28	5,633.13	5,473.69	159.44	35.331		
16,300.00	7,146.87	7,125.03	7,124.63	268.77	30.42	-90.03	-2,357.67	-3,063.28	5,718.80	5,559.98	158.82	36.008		
16,400.00	7,147.07	7,125.52	7,125.11	271.58	30.42	-90.04	-2,357.67	-3,063.29	5,804.92	5,646.71	158.21	36.691		
16,500.00	7,147.27	7,126.00	7,125.60	274.40	30.42	-90.05	-2,357.67	-3,063.29	5,891.49	5,733.87	157.62	37.379		
16,600.00	7,147.46	7,126.49	7,126.08	277.21	30.43	-90.06	-2,357.68	-3,063.29	5,978.47	5,821.44	157.03	38.072		
16,700.00	7,147.66	7,126.98	7,126.57	280.03	30.43	-90.07	-2,357.68	-3,063.29	6,065.85	5,909.40	156.45	38.771		
16,800.00	7,147.86	7,127.46	7,127.06	282.84	30.43	-90.08	-2,357.69	-3,063.29	6,153.62	5,997.73	155.89	39.475		
16,900.00	7,148.05	7,127.95	7,127.54	285.66	30.43	-90.08	-2,357.69	-3,063.29	6,241.76	6,086.42	155.33	40.183		
17,000.00	7,148.25	7,128.44	7,128.03	288.48	30.43	-90.09	-2,357.69	-3,063.29	6,330.24	6,175.45	154.79	40.896		
17,100.00	7,148.45	7,128.92	7,128.52	291.29	30.44	-90.10	-2,357.70	-3,063.29	6,419.07	6,264.81	154.26	41.613		
17,200.00	7,148.64	7,129.41	7,129.00	294.11	30.44	-90.11	-2,357.70	-3,063.29	6,508.22	6,354.49	153.73	42.335		
17,300.00	7,148.84	7,129.89	7,129.49	296.93	30.44	-90.12	-2,357.70	-3,063.30	6,597.68	6,444.46	153.22	43.060		
17,400.00	7,149.04	7,130.38	7,129.97	299.75	30.44	-90.13	-2,357.71	-3,063.30	6,687.44	6,534.72	152.72	43.789		
17,500.00	7,149.23	7,130.87	7,130.46	302.57	30.45	-90.14	-2,357.71	-3,063.30	6,777.49	6,625.26	152.23	44.522		
17,600.00	7,149.43	7,131.35	7,130.95	305.39	30.45	-90.15	-2,357.72	-3,063.30	6,867.81	6,716.06	151.75	45.259		
17,700.00	7,149.63	7,131.84	7,131.43	308.21	30.45	-90.16	-2,357.72	-3,063.30	6,958.40	6,807.12	151.27	45.999		
17,800.00	7,149.82	7,132.33	7,131.92	311.03	30.45	-90.17	-2,357.72	-3,063.30	7,049.24	6,898.42	150.81	46.742		
17,900.00	7,150.02	7,132.81	7,132.41	313.85	30.45	-90.18	-2,357.73	-3,063.30	7,140.32	6,989.96	150.36	47.488		
18,000.00	7,150.22	7,133.30	7,132.89	316.67	30.46	-90.19	-2,357.73	-3,063.30	7,231.64	7,081.73	149.92	48.238		
18,100.00	7,150.41	7,133.78	7,133.38	319.49	30.46	-90.20	-2,357.73	-3,063.31	7,323.19	7,173.71	149.48	48.990		
18,200.00	7,150.61	7,134.27	7,133.86	322.32	30.46	-90.21	-2,357.74	-3,063.31	7,414.96	7,265.90	149.06	49.745		
18,300.00	7,150.81	7,134.76	7,134.35	325.14	30.46	-90.22	-2,357.74	-3,063.31	7,506.93	7,358.29	148.64	50.503		
18,400.00	7,151.00	7,135.24	7,134.84	327.96	30.46	-90.23	-2,357.75	-3,063.31	7,599.11	7,450.88	148.24	51.263		
18,500.00	7,151.20	7,135.73	7,135.32	330.78	30.47	-90.24	-2,357.75	-3,063.31	7,691.49	7,543.65	147.84	52.026		
18,600.00	7,151.40	7,136.22	7,135.81	333.61	30.47	-90.25	-2,357.75	-3,063.31	7,784.05	7,636.60	147.45	52.791		
18,700.00	7,151.59	7,136.70	7,136.30	336.43	30.47	-90.26	-2,357.76	-3,063.31	7,876.80	7,729.73	147.07	53.559		
18,800.00	7,151.79	7,137.19	7,136.78	339.26	30.47	-90.27	-2,357.76	-3,063.31	7,969.72	7,823.02	146.70	54.328		
18,906.26	7,152.00	7,137.71	7,137.30	342.26	30.47	-90.28	-2,357.77	-3,063.32	8,068.64	7,922.33	146.31	55.148		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5.52	5.52	3.28	3.28	-122.68	-1,088.85	-1,697.30	2,016.54					
100.00	100.00	115.95	115.95	3.28	3.29	-122.68	-1,088.55	-1,697.12	2,016.25	2,009.68	6.57	306.685		
200.00	200.00	213.81	213.81	3.34	3.35	-122.68	-1,088.47	-1,696.65	2,015.80	2,009.11	6.69	301.248		
212.95	212.95	226.36	226.35	3.35	3.37	157.32	-1,088.48	-1,696.57	2,015.77	2,009.06	6.71	300.238		
300.00	299.98	310.49	310.49	3.44	3.46	157.32	-1,088.62	-1,696.14	2,017.05	2,010.14	6.91	291.984		
400.00	399.84	405.98	405.97	3.60	3.62	157.32	-1,088.87	-1,695.80	2,021.73	2,014.51	7.22	280.076		
500.00	499.45	508.61	508.61	3.81	3.82	157.35	-1,089.04	-1,695.53	2,029.64	2,022.01	7.63	266.013		
600.00	598.70	605.37	605.36	4.06	4.05	157.39	-1,089.03	-1,695.39	2,040.77	2,032.67	8.11	251.749		
700.00	697.47	692.25	692.24	4.34	4.28	157.43	-1,088.99	-1,695.64	2,055.46	2,046.84	8.62	238.474		
785.50	781.43	772.66	772.65	4.61	4.51	157.48	-1,089.09	-1,696.15	2,070.87	2,061.76	9.12	227.185		
800.00	795.63	786.37	786.37	4.66	4.55	157.51	-1,089.14	-1,696.23	2,073.70	2,064.49	9.21	225.255		
900.00	893.55	891.57	891.56	5.02	4.87	157.74	-1,089.32	-1,696.79	2,093.06	2,083.20	9.86	212.318		
1,000.00	991.47	990.32	990.31	5.40	5.19	157.96	-1,089.15	-1,697.24	2,112.21	2,101.68	10.53	200.591		
1,100.00	1,089.39	1,094.03	1,094.02	5.80	5.54	158.18	-1,089.09	-1,697.48	2,131.25	2,120.00	11.25	189.436		
1,200.00	1,187.31	1,183.88	1,183.87	6.21	5.85	158.36	-1,089.37	-1,697.51	2,150.34	2,138.40	11.95	179.994		
1,300.00	1,285.22	1,270.20	1,270.19	6.64	6.16	158.53	-1,089.88	-1,697.85	2,169.91	2,157.26	12.65	171.560		
1,400.00	1,383.14	1,365.18	1,365.16	7.08	6.51	158.72	-1,090.19	-1,698.84	2,189.91	2,176.51	13.40	163.444		
1,500.00	1,481.06	1,476.08	1,476.05	7.52	6.92	158.93	-1,091.04	-1,699.40	2,209.70	2,195.48	14.23	155.299		
1,600.00	1,578.98	1,589.19	1,589.16	7.98	7.35	159.12	-1,091.69	-1,699.14	2,228.80	2,213.71	15.08	147.770		
1,700.00	1,676.90	1,696.83	1,696.80	8.44	7.77	159.31	-1,092.06	-1,698.35	2,247.37	2,231.44	15.93	141.112		
1,800.00	1,774.82	1,772.24	1,772.21	8.90	8.06	159.44	-1,092.13	-1,698.15	2,266.23	2,249.59	16.64	136.196		
1,900.00	1,872.74	1,862.60	1,862.57	9.37	8.41	159.61	-1,092.27	-1,698.73	2,285.92	2,268.49	17.42	131.199		
2,000.00	1,970.66	1,963.35	1,963.31	9.84	8.81	159.79	-1,092.84	-1,699.11	2,305.59	2,287.33	18.26	126.267		
2,100.00	2,068.57	2,069.03	2,068.99	10.32	9.23	159.96	-1,093.37	-1,699.30	2,325.09	2,305.97	19.12	121.574		
2,200.00	2,166.49	2,167.20	2,167.16	10.80	9.63	160.12	-1,093.77	-1,699.21	2,344.34	2,324.38	19.96	117.447		
2,300.00	2,264.41	2,258.87	2,258.83	11.28	10.00	160.28	-1,093.84	-1,699.49	2,363.78	2,343.01	20.77	113.803		
2,400.00	2,362.33	2,357.08	2,357.04	11.76	10.39	160.44	-1,094.23	-1,699.84	2,383.44	2,361.83	21.62	110.267		
2,500.00	2,460.25	2,458.52	2,458.48	12.24	10.81	160.60	-1,094.74	-1,699.94	2,402.94	2,380.47	22.48	106.900		
2,600.00	2,558.17	2,558.81	2,558.77	12.73	11.22	160.75	-1,095.22	-1,699.95	2,422.38	2,399.04	23.34	103.789		
2,700.00	2,656.09	2,660.61	2,660.57	13.22	11.64	160.91	-1,095.60	-1,699.87	2,441.70	2,417.49	24.21	100.854		
2,800.00	2,754.01	2,755.17	2,755.12	13.71	12.02	161.05	-1,095.95	-1,699.69	2,460.95	2,435.91	25.05	98.249		
2,900.00	2,851.92	2,858.62	2,858.57	14.20	12.45	161.19	-1,096.75	-1,699.48	2,480.38	2,454.45	25.93	95.649		
3,000.00	2,949.84	2,957.80	2,957.74	14.69	12.86	161.32	-1,097.29	-1,698.94	2,499.42	2,472.63	26.80	93.273		
3,100.00	3,047.76	3,054.20	3,054.15	15.18	13.26	161.46	-1,097.64	-1,698.74	2,518.68	2,491.03	27.65	91.094		
3,200.00	3,145.68	3,147.65	3,147.60	15.67	13.65	161.59	-1,097.90	-1,698.54	2,537.92	2,509.43	28.49	89.087		
3,300.00	3,243.60	3,235.49	3,235.44	16.17	14.01	161.71	-1,098.21	-1,698.72	2,557.56	2,528.26	29.30	87.290		
3,400.00	3,341.52	3,329.52	3,329.46	16.66	14.41	161.85	-1,098.45	-1,699.26	2,577.50	2,547.35	30.14	85.507		
3,500.00	3,439.44	3,429.98	3,429.93	17.16	14.83	161.99	-1,098.99	-1,699.66	2,597.42	2,566.40	31.02	83.726		
3,600.00	3,537.36	3,524.93	3,524.87	17.65	15.22	162.12	-1,099.31	-1,700.10	2,617.32	2,585.45	31.87	82.114		
3,700.00	3,635.27	3,613.63	3,613.56	18.15	15.59	162.24	-1,099.74	-1,700.76	2,637.55	2,604.85	32.69	80.677		
3,800.00	3,733.19	3,718.00	3,717.93	18.65	16.03	162.37	-1,100.75	-1,701.26	2,657.77	2,624.17	33.60	79.110		
3,900.00	3,831.11	3,814.49	3,814.41	19.14	16.44	162.48	-1,101.87	-1,701.51	2,677.90	2,643.45	34.46	77.715		
4,000.00	3,929.03	3,904.22	3,904.13	19.64	16.81	162.58	-1,102.84	-1,701.98	2,698.24	2,662.96	35.28	76.473		
4,100.00	4,026.95	3,995.03	3,994.94	20.14	17.19	162.70	-1,103.50	-1,702.90	2,718.86	2,682.75	36.12	75.282		
4,200.00	4,124.87	4,092.02	4,091.92	20.64	17.60	162.83	-1,103.90	-1,704.20	2,739.63	2,702.65	36.98	74.081		
4,300.00	4,222.79	4,189.00	4,188.89	21.14	18.01	162.96	-1,104.18	-1,705.58	2,760.44	2,722.59	37.85	72.934		
4,400.00	4,320.71	4,322.58	4,322.46	21.64	18.57	163.16	-1,103.36	-1,707.14	2,780.65	2,741.73	38.92	71.450		
4,500.00	4,418.62	4,440.39	4,440.26	22.14	19.06	163.33	-1,102.03	-1,707.47	2,799.87	2,759.97	39.90	70.177		
4,600.00	4,516.54	4,541.76	4,541.62	22.64	19.49	163.47	-1,100.92	-1,707.14	2,818.58	2,777.79	40.79	69.103		
4,700.00	4,614.46	4,631.26	4,631.12	23.14	19.86	163.58	-1,100.50	-1,706.83	2,837.56	2,795.95	41.62	68.185		
4,800.00	4,712.38	4,737.08	4,736.94	23.64	20.31	163.72	-1,099.59	-1,706.75	2,856.64	2,814.11	42.53	67.164		
4,900.00	4,810.30	4,839.60	4,839.45	24.14	20.74	163.85	-1,098.62	-1,706.12	2,875.20	2,831.77	43.43	66.201		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,927.25	4,927.10	24.64	21.11	163.95	-1,098.31	-1,705.77	2,894.21	2,849.96	44.25	65.407		
5,100.00	5,006.14	5,033.19	5,033.04	25.14	21.55	164.07	-1,097.95	-1,705.03	2,912.98	2,867.81	45.17	64.491		
5,200.00	5,104.06	5,116.92	5,116.76	25.64	21.91	164.17	-1,097.46	-1,704.83	2,932.06	2,886.10	45.97	63.789		
5,300.00	5,201.97	5,209.65	5,209.49	26.14	22.30	164.29	-1,096.80	-1,704.97	2,951.46	2,904.64	46.81	63.049		
5,400.00	5,299.89	5,305.13	5,304.97	26.64	22.70	164.40	-1,096.09	-1,705.26	2,970.99	2,923.31	47.67	62.319		
5,500.00	5,397.81	5,400.61	5,400.44	27.15	23.10	164.52	-1,095.42	-1,705.61	2,990.61	2,942.07	48.54	61.616		
5,600.00	5,495.73	5,491.47	5,491.31	27.65	23.49	164.63	-1,094.93	-1,706.04	3,010.39	2,961.02	49.37	60.973		
5,700.00	5,593.65	5,597.79	5,597.62	28.15	23.94	164.75	-1,094.45	-1,706.50	3,030.19	2,979.89	50.30	60.245		
5,800.00	5,691.57	5,685.85	5,685.67	28.65	24.31	164.85	-1,094.06	-1,706.86	3,049.99	2,998.87	51.12	59.665		
5,900.00	5,789.49	5,791.24	5,791.07	29.15	24.75	164.97	-1,093.54	-1,707.42	3,069.89	3,017.85	52.04	58.992		
6,000.00	5,887.41	5,889.85	5,889.67	29.66	25.17	165.08	-1,093.02	-1,707.76	3,089.61	3,036.69	52.92	58.382		
6,100.00	5,985.32	5,975.51	5,975.33	30.16	25.53	165.17	-1,092.74	-1,708.13	3,109.51	3,055.78	53.73	57.876		
6,200.00	6,083.24	6,109.28	6,109.10	30.66	26.10	165.31	-1,092.52	-1,708.34	3,129.30	3,074.49	54.81	57.090		
6,300.00	6,181.16	6,178.35	6,178.17	31.16	26.39	165.37	-1,092.51	-1,708.28	3,148.84	3,093.31	55.52	56.711		
6,400.00	6,279.08	6,256.44	6,256.26	31.67	26.73	165.44	-1,092.76	-1,708.67	3,169.08	3,112.79	56.28	56.304		
6,490.03	6,367.24	6,327.85	6,327.66	32.12	27.03	165.51	-1,093.39	-1,709.28	3,187.79	3,130.82	56.97	55.952		
6,500.00	6,377.01	6,335.68	6,335.49	32.17	27.06	166.52	-1,093.46	-1,709.37	3,189.82	3,132.78	57.05	55.913		
6,550.00	6,426.43	6,375.29	6,375.09	32.40	27.23	175.28	-1,093.78	-1,709.92	3,198.02	3,140.60	57.42	55.695		
6,600.00	6,476.27	6,421.28	6,421.08	32.61	27.43	-149.88	-1,094.06	-1,710.75	3,202.84	3,145.02	57.82	55.395		
6,650.00	6,526.21	6,477.30	6,477.08	32.80	27.66	-63.63	-1,094.01	-1,711.87	3,204.07	3,145.81	58.26	54.997		
6,700.00	6,575.96	6,530.21	6,529.98	32.98	27.89	-42.73	-1,093.55	-1,713.02	3,201.67	3,143.00	58.66	54.578		
6,750.00	6,625.19	6,580.68	6,580.43	33.16	28.10	-36.76	-1,092.87	-1,714.19	3,195.72	3,136.68	59.04	54.128		
6,800.00	6,673.62	6,685.60	6,685.32	33.35	28.55	-34.46	-1,090.87	-1,716.05	3,186.01	3,126.27	59.73	53.336		
6,850.00	6,720.94	6,734.66	6,734.37	33.55	28.76	-33.52	-1,089.83	-1,716.32	3,172.22	3,112.14	60.08	52.797		
6,900.00	6,766.86	6,772.32	6,772.02	33.76	28.92	-33.34	-1,089.19	-1,716.56	3,155.26	3,094.90	60.36	52.277		
6,950.00	6,811.10	6,811.20	6,810.90	33.98	29.08	-33.72	-1,088.68	-1,716.84	3,135.22	3,074.59	60.63	51.710		
7,000.00	6,853.38	6,856.26	6,855.95	34.23	29.27	-34.61	-1,088.08	-1,717.18	3,112.15	3,051.21	60.94	51.072		
7,050.00	6,893.45	6,899.00	6,898.68	34.50	29.46	-35.94	-1,087.43	-1,717.51	3,086.15	3,024.92	61.23	50.405		
7,100.00	6,931.05	6,946.28	6,945.96	34.79	29.66	-37.78	-1,086.59	-1,717.82	3,057.37	2,995.83	61.55	49.676		
7,150.00	6,965.96	6,990.26	6,989.92	35.12	29.84	-40.11	-1,085.66	-1,718.04	3,025.99	2,964.14	61.85	48.925		
7,200.00	6,997.96	7,025.24	7,024.90	35.47	29.99	-42.91	-1,084.84	-1,718.17	2,992.25	2,930.15	62.11	48.177		
7,250.00	7,026.85	7,055.30	7,054.95	35.86	30.12	-46.29	-1,084.15	-1,718.26	2,956.47	2,894.11	62.35	47.415		
7,300.00	7,052.45	7,081.94	7,081.58	36.29	30.23	-50.32	-1,083.53	-1,718.33	2,918.87	2,856.28	62.59	46.633		
7,350.00	7,074.61	7,104.99	7,104.62	36.76	30.33	-55.07	-1,083.00	-1,718.39	2,879.73	2,816.90	62.83	45.832		
7,400.00	7,093.19	7,123.55	7,123.17	37.27	30.41	-60.56	-1,082.57	-1,718.43	2,839.32	2,776.25	63.07	45.018		
7,450.00	7,108.07	7,138.57	7,138.20	37.81	30.47	-66.79	-1,082.22	-1,718.47	2,797.91	2,734.59	63.32	44.190		
7,500.00	7,119.17	7,149.81	7,149.43	38.39	30.52	-73.66	-1,081.96	-1,718.49	2,755.77	2,692.21	63.57	43.351		
7,550.00	7,126.41	7,157.20	7,156.82	38.99	30.55	-80.97	-1,081.79	-1,718.51	2,713.20	2,649.36	63.83	42.505		
7,600.00	7,129.75	7,160.68	7,160.30	39.62	30.57	-88.44	-1,081.71	-1,718.52	2,670.45	2,606.35	64.11	41.657		
7,616.41	7,130.00	7,160.97	7,160.59	39.83	30.57	-90.88	-1,081.70	-1,718.52	2,656.44	2,592.24	64.20	41.378		
7,700.00	7,130.16	7,161.36	7,160.98	40.97	30.57	-90.89	-1,081.69	-1,718.52	2,585.45	2,520.74	64.72	39.950		
7,800.00	7,130.35	7,161.84	7,161.45	42.46	30.57	-90.91	-1,081.68	-1,718.52	2,501.56	2,436.10	65.46	38.213		
7,900.00	7,130.55	7,162.31	7,161.93	44.09	30.58	-90.93	-1,081.67	-1,718.52	2,418.89	2,352.53	66.36	36.450		
8,000.00	7,130.74	7,162.78	7,162.40	45.84	30.58	-90.95	-1,081.66	-1,718.52	2,337.57	2,270.15	67.43	34.668		
8,100.00	7,130.94	7,163.25	7,162.87	47.70	30.58	-90.97	-1,081.65	-1,718.52	2,257.76	2,189.08	68.68	32.876		
8,200.00	7,131.13	7,163.72	7,163.34	49.65	30.58	-90.99	-1,081.64	-1,718.53	2,179.61	2,109.49	70.12	31.083		
8,300.00	7,131.32	7,164.20	7,163.81	51.70	30.58	-91.01	-1,081.63	-1,718.53	2,103.31	2,031.53	71.78	29.303		
8,400.00	7,131.52	7,164.67	7,164.28	53.81	30.59	-91.03	-1,081.62	-1,718.53	2,029.07	1,955.41	73.66	27.546		
8,500.00	7,131.71	7,165.14	7,164.76	55.99	30.59	-91.05	-1,081.61	-1,718.53	1,957.13	1,881.35	75.78	25.828		
8,600.00	7,131.90	7,165.61	7,165.23	58.24	30.59	-91.07	-1,081.59	-1,718.53	1,887.75	1,809.61	78.13	24.160		
8,700.00	7,132.10	7,166.08	7,165.70	60.53	30.59	-91.09	-1,081.58	-1,718.53	1,821.21	1,740.47	80.74	22.558		
8,800.00	7,132.29	7,166.56	7,166.17	62.87	30.59	-91.11	-1,081.57	-1,718.53	1,757.85	1,674.27	83.58	21.032		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,167.03	7,166.64	65.25	30.60	-91.13	-1,081.56	-1,718.53	1,698.01	1,611.35	86.66	19.594		
9,000.00	7,132.68	7,167.50	7,167.11	67.68	30.60	-91.15	-1,081.55	-1,718.53	1,642.09	1,552.14	89.95	18.255		
9,100.00	7,132.87	7,167.97	7,167.59	70.13	30.60	-91.17	-1,081.54	-1,718.54	1,590.50	1,497.06	93.44	17.022		
9,200.00	7,133.07	7,168.44	7,168.06	72.61	30.60	-91.19	-1,081.53	-1,718.54	1,543.67	1,446.60	97.07	15.903		
9,300.00	7,133.26	7,168.91	7,168.53	75.13	30.60	-91.21	-1,081.52	-1,718.54	1,502.04	1,401.24	100.80	14.901		
9,400.00	7,133.46	7,169.39	7,169.00	77.66	30.61	-91.23	-1,081.51	-1,718.54	1,466.06	1,361.49	104.57	14.020		
9,500.00	7,133.65	7,169.86	7,169.47	80.22	30.61	-91.25	-1,081.50	-1,718.54	1,436.16	1,327.86	108.31	13.260		
9,600.00	7,133.84	7,170.33	7,169.95	82.80	30.61	-91.26	-1,081.49	-1,718.54	1,412.72	1,300.80	111.92	12.622		
9,700.00	7,134.04	7,170.80	7,170.42	85.40	30.61	-91.28	-1,081.48	-1,718.54	1,396.06	1,280.73	115.34	12.104		
9,800.00	7,134.23	7,171.27	7,170.89	88.01	30.61	-91.30	-1,081.46	-1,718.54	1,386.44	1,267.97	118.47	11.703		
9,883.92	7,134.39	7,171.67	7,171.28	90.22	30.62	-91.32	-1,081.46	-1,718.54	1,383.90	1,263.07	120.83	11.453 CC		
9,900.00	7,134.43	7,171.75	7,171.36	90.64	30.62	-91.32	-1,081.45	-1,718.54	1,383.99	1,262.74	121.25	11.415 ES		
10,000.00	7,134.62	7,172.22	7,171.83	93.28	30.62	-91.34	-1,081.44	-1,718.55	1,388.75	1,265.13	123.62	11.234		
10,100.00	7,134.81	7,172.69	7,172.30	95.94	30.62	-91.36	-1,081.43	-1,718.55	1,400.66	1,275.10	125.56	11.155 SF		
10,200.00	7,135.01	7,173.16	7,172.78	98.61	30.62	-91.38	-1,081.42	-1,718.55	1,419.53	1,292.49	127.04	11.173		
10,300.00	7,135.20	7,173.63	7,173.25	101.28	30.62	-91.40	-1,081.41	-1,718.55	1,445.09	1,317.00	128.09	11.282		
10,400.00	7,135.39	7,174.11	7,173.72	103.97	30.63	-91.42	-1,081.40	-1,718.55	1,476.99	1,348.26	128.73	11.474		
10,500.00	7,135.59	7,174.58	7,174.19	106.67	30.63	-91.44	-1,081.39	-1,718.55	1,514.83	1,385.84	128.99	11.744		
10,600.00	7,135.78	7,175.05	7,174.66	109.38	30.63	-91.46	-1,081.38	-1,718.55	1,558.18	1,429.25	128.93	12.085		
10,700.00	7,135.98	7,175.52	7,175.13	112.09	30.63	-91.48	-1,081.37	-1,718.55	1,606.59	1,477.99	128.60	12.493		
10,800.00	7,136.17	7,175.99	7,175.61	114.81	30.63	-91.50	-1,081.36	-1,718.55	1,659.62	1,531.57	128.05	12.961		
10,900.00	7,136.36	7,176.46	7,176.08	117.54	30.64	-91.52	-1,081.34	-1,718.55	1,716.85	1,589.52	127.32	13.484		
11,000.00	7,136.56	7,176.94	7,176.55	120.28	30.64	-91.54	-1,081.33	-1,718.56	1,777.86	1,651.39	126.47	14.058		
11,100.00	7,136.75	7,177.41	7,177.02	123.02	30.64	-91.56	-1,081.32	-1,718.56	1,842.28	1,716.76	125.51	14.678		
11,200.00	7,136.95	7,177.88	7,177.49	125.76	30.64	-91.58	-1,081.31	-1,718.56	1,909.76	1,785.27	124.49	15.340		
11,300.00	7,137.14	7,178.35	7,177.96	128.52	30.64	-91.60	-1,081.30	-1,718.56	1,980.00	1,856.57	123.43	16.041		
11,400.00	7,137.33	7,178.82	7,178.44	131.27	30.65	-91.62	-1,081.29	-1,718.56	2,052.71	1,930.36	122.35	16.777		
11,500.00	7,137.53	7,179.30	7,178.91	134.03	30.65	-91.64	-1,081.28	-1,718.56	2,127.63	2,006.37	121.27	17.545		
11,600.00	7,137.72	7,179.77	7,179.38	136.80	30.65	-91.66	-1,081.27	-1,718.56	2,204.55	2,084.36	120.19	18.342		
11,700.00	7,137.92	7,180.24	7,179.85	139.57	30.65	-91.68	-1,081.26	-1,718.56	2,283.25	2,164.12	119.13	19.167		
11,800.00	7,138.11	7,180.71	7,180.32	142.34	30.65	-91.69	-1,081.25	-1,718.56	2,363.57	2,245.48	118.09	20.015		
11,900.00	7,138.30	7,181.18	7,180.80	145.12	30.66	-91.71	-1,081.24	-1,718.57	2,445.33	2,328.25	117.08	20.886		
12,000.00	7,138.50	7,181.65	7,181.27	147.90	30.66	-91.73	-1,081.22	-1,718.57	2,528.41	2,412.31	116.10	21.778		
12,100.00	7,138.69	7,182.13	7,181.74	150.68	30.66	-91.75	-1,081.21	-1,718.57	2,612.67	2,497.52	115.16	22.688		
12,200.00	7,138.88	7,182.60	7,182.21	153.47	30.66	-91.77	-1,081.20	-1,718.57	2,698.01	2,583.77	114.25	23.616		
12,300.00	7,139.08	7,183.07	7,182.68	156.26	30.66	-91.79	-1,081.19	-1,718.57	2,784.33	2,670.96	113.37	24.560		
12,400.00	7,139.27	7,183.54	7,183.15	159.05	30.67	-91.81	-1,081.18	-1,718.57	2,871.53	2,759.00	112.53	25.518		
12,500.00	7,139.47	7,184.01	7,183.63	161.85	30.67	-91.83	-1,081.17	-1,718.57	2,959.54	2,847.81	111.73	26.489		
12,600.00	7,139.66	7,184.49	7,184.10	164.64	30.67	-91.85	-1,081.16	-1,718.57	3,048.29	2,937.34	110.95	27.473		
12,700.00	7,139.85	7,184.96	7,184.57	167.44	30.67	-91.87	-1,081.15	-1,718.57	3,137.72	3,027.50	110.22	28.469		
12,800.00	7,140.05	7,185.43	7,185.04	170.24	30.67	-91.89	-1,081.14	-1,718.58	3,227.77	3,118.26	109.51	29.474		
12,900.00	7,140.24	7,185.90	7,185.51	173.05	30.68	-91.91	-1,081.13	-1,718.58	3,318.39	3,209.55	108.84	30.490		
13,000.00	7,140.44	7,186.37	7,185.98	175.85	30.68	-91.93	-1,081.12	-1,718.58	3,409.53	3,301.34	108.19	31.514		
13,100.00	7,140.63	7,186.85	7,186.46	178.66	30.68	-91.95	-1,081.10	-1,718.58	3,501.16	3,393.58	107.57	32.546		
13,200.00	7,140.82	7,187.32	7,186.93	181.47	30.68	-91.97	-1,081.09	-1,718.58	3,593.23	3,486.24	106.98	33.586		
13,300.00	7,141.02	7,187.79	7,187.40	184.28	30.68	-91.99	-1,081.08	-1,718.58	3,685.72	3,579.29	106.42	34.633		
13,400.00	7,141.21	7,188.26	7,187.87	187.10	30.69	-92.01	-1,081.07	-1,718.58	3,778.58	3,672.70	105.88	35.687		
13,500.00	7,141.41	7,188.73	7,188.34	189.91	30.69	-92.03	-1,081.06	-1,718.58	3,871.81	3,766.44	105.37	36.746		
13,600.00	7,141.60	7,189.20	7,188.81	192.73	30.69	-92.05	-1,081.05	-1,718.58	3,965.36	3,860.49	104.87	37.811		
13,700.00	7,141.79	7,189.68	7,189.29	195.54	30.69	-92.07	-1,081.04	-1,718.59	4,059.22	3,954.82	104.40	38.880		
13,800.00	7,141.99	7,190.15	7,189.76	198.36	30.69	-92.09	-1,081.03	-1,718.59	4,153.37	4,049.42	103.95	39.955		
13,900.00	7,142.18	7,190.62	7,190.23	201.18	30.70	-92.10	-1,081.02	-1,718.59	4,247.79	4,144.27	103.52	41.033		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,191.09	7,190.70	204.01	30.70	-92.12	-1,081.01	-1,718.59	4,342.45	4,239.34	103.11	42.116		
14,100.00	7,142.57	7,191.56	7,191.17	206.83	30.70	-92.14	-1,081.00	-1,718.59	4,437.35	4,334.64	102.71	43.202		
14,200.00	7,142.76	7,192.04	7,191.65	209.65	30.70	-92.16	-1,080.98	-1,718.59	4,532.47	4,430.14	102.33	44.291		
14,300.00	7,142.96	7,192.51	7,192.12	212.48	30.70	-92.18	-1,080.97	-1,718.59	4,627.79	4,525.82	101.97	45.383		
14,400.00	7,143.15	7,192.98	7,192.59	215.30	30.71	-92.20	-1,080.96	-1,718.59	4,723.31	4,621.69	101.62	46.478		
14,500.00	7,143.34	7,193.45	7,193.06	218.13	30.71	-92.22	-1,080.95	-1,718.59	4,819.01	4,717.72	101.29	47.576		
14,600.00	7,143.54	7,193.92	7,193.53	220.96	30.71	-92.24	-1,080.94	-1,718.60	4,914.88	4,813.91	100.97	48.675		
14,700.00	7,143.73	7,194.40	7,194.00	223.79	30.71	-92.26	-1,080.93	-1,718.60	5,010.91	4,910.25	100.67	49.777		
14,800.00	7,143.93	7,194.87	7,194.48	226.62	30.71	-92.28	-1,080.92	-1,718.60	5,107.10	5,006.72	100.37	50.880		
14,838.32	7,144.00	7,195.05	7,194.66	227.70	30.72	-92.29	-1,080.92	-1,718.60	5,144.00	5,043.73	100.27	51.304		
14,900.00	7,144.12	7,195.32	7,194.93	229.45	30.72	-92.13	-1,080.91	-1,718.60	5,203.25	5,103.16	100.09	51.988		
15,000.00	7,144.32	7,195.71	7,195.32	232.26	30.72	-91.92	-1,080.90	-1,718.60	5,298.62	5,198.85	99.77	53.109		
15,027.81	7,144.37	7,195.80	7,195.41	233.04	30.72	-91.87	-1,080.90	-1,718.60	5,324.98	5,225.31	99.67	53.424		
15,100.00	7,144.51	7,196.03	7,195.64	235.07	30.72	-91.88	-1,080.89	-1,718.60	5,393.38	5,293.95	99.43	54.242		
15,200.00	7,144.71	7,196.35	7,195.96	237.87	30.72	-91.89	-1,080.88	-1,718.60	5,488.28	5,389.18	99.11	55.377		
15,300.00	7,144.91	7,196.68	7,196.28	240.68	30.72	-91.90	-1,080.88	-1,718.60	5,583.37	5,484.57	98.80	56.514		
15,400.00	7,145.10	7,197.00	7,196.61	243.48	30.72	-91.91	-1,080.87	-1,718.60	5,678.62	5,580.12	98.50	57.653		
15,500.00	7,145.30	7,197.32	7,196.93	246.29	30.72	-91.92	-1,080.86	-1,718.60	5,774.03	5,675.82	98.21	58.793		
15,600.00	7,145.50	7,197.64	7,197.25	249.10	30.73	-91.93	-1,080.86	-1,718.60	5,869.59	5,771.66	97.93	59.935		
15,700.00	7,145.69	7,197.96	7,197.57	251.91	30.73	-91.94	-1,080.85	-1,718.60	5,965.30	5,867.64	97.67	61.079		
15,800.00	7,145.89	7,198.28	7,197.89	254.71	30.73	-91.95	-1,080.84	-1,718.61	6,061.15	5,963.74	97.41	62.224		
15,900.00	7,146.09	7,198.61	7,198.21	257.52	30.73	-91.96	-1,080.83	-1,718.61	6,157.13	6,059.97	97.16	63.370		
16,000.00	7,146.28	7,198.93	7,198.54	260.34	30.73	-91.97	-1,080.83	-1,718.61	6,253.24	6,156.31	96.92	64.517		
16,100.00	7,146.48	7,199.25	7,198.86	263.15	30.73	-91.99	-1,080.82	-1,718.61	6,349.46	6,252.77	96.70	65.664		
16,200.00	7,146.68	7,199.57	7,199.18	265.96	30.73	-92.00	-1,080.81	-1,718.61	6,445.81	6,349.33	96.48	66.812		
16,300.00	7,146.87	7,199.89	7,199.50	268.77	30.74	-92.01	-1,080.80	-1,718.61	6,542.26	6,445.99	96.27	67.960		
16,400.00	7,147.07	7,200.22	7,199.82	271.58	30.74	-92.02	-1,080.80	-1,718.61	6,638.81	6,542.75	96.06	69.109		
16,500.00	7,147.27	7,200.54	7,200.14	274.40	30.74	-92.03	-1,080.79	-1,718.61	6,735.47	6,639.60	95.87	70.258		
16,600.00	7,147.46	7,200.86	7,200.47	277.21	30.74	-92.04	-1,080.78	-1,718.61	6,832.22	6,736.54	95.68	71.407		
16,700.00	7,147.66	7,201.18	7,200.79	280.03	30.74	-92.05	-1,080.77	-1,718.61	6,929.07	6,833.57	95.50	72.556		
16,800.00	7,147.86	7,201.50	7,201.11	282.84	30.74	-92.06	-1,080.77	-1,718.61	7,026.00	6,930.67	95.33	73.705		
16,900.00	7,148.05	7,201.82	7,201.43	285.66	30.74	-92.07	-1,080.76	-1,718.61	7,123.02	7,027.86	95.16	74.853		
17,000.00	7,148.25	7,202.15	7,201.75	288.48	30.75	-92.08	-1,080.75	-1,718.61	7,220.12	7,125.12	95.00	76.001		
17,100.00	7,148.45	7,202.47	7,202.07	291.29	30.75	-92.09	-1,080.74	-1,718.61	7,317.30	7,222.45	94.85	77.149		
17,200.00	7,148.64	7,202.79	7,202.40	294.11	30.75	-92.10	-1,080.74	-1,718.62	7,414.55	7,319.85	94.70	78.296		
17,300.00	7,148.84	7,203.11	7,202.72	296.93	30.75	-92.11	-1,080.73	-1,718.62	7,511.87	7,417.32	94.56	79.442		
17,400.00	7,149.04	7,203.43	7,203.04	299.75	30.75	-92.13	-1,080.72	-1,718.62	7,609.27	7,514.85	94.42	80.587		
17,500.00	7,149.23	7,203.76	7,203.36	302.57	30.75	-92.14	-1,080.71	-1,718.62	7,706.73	7,612.44	94.29	81.732		
17,600.00	7,149.43	7,204.08	7,203.68	305.39	30.75	-92.15	-1,080.71	-1,718.62	7,804.25	7,710.09	94.17	82.876		
17,700.00	7,149.63	7,204.40	7,204.00	308.21	30.76	-92.16	-1,080.70	-1,718.62	7,901.84	7,807.79	94.05	84.018		
17,800.00	7,149.82	7,204.72	7,204.33	311.03	30.76	-92.17	-1,080.69	-1,718.62	7,999.49	7,905.55	93.93	85.160		
17,900.00	7,150.02	7,205.04	7,204.65	313.85	30.76	-92.18	-1,080.68	-1,718.62	8,097.19	8,003.37	93.83	86.300		
18,000.00	7,150.22	7,205.36	7,204.97	316.67	30.76	-92.19	-1,080.68	-1,718.62	8,194.95	8,101.23	93.72	87.439		
18,100.00	7,150.41	7,205.69	7,205.29	319.49	30.76	-92.20	-1,080.67	-1,718.62	8,292.76	8,199.14	93.62	88.577		
18,200.00	7,150.61	7,206.01	7,205.61	322.32	30.76	-92.21	-1,080.66	-1,718.62	8,390.63	8,297.10	93.53	89.714		
18,300.00	7,150.81	7,206.33	7,205.93	325.14	30.76	-92.22	-1,080.65	-1,718.62	8,488.54	8,395.11	93.44	90.849		
18,400.00	7,151.00	7,206.65	7,206.26	327.96	30.76	-92.23	-1,080.65	-1,718.62	8,586.51	8,493.16	93.35	91.982		
18,500.00	7,151.20	7,206.97	7,206.58	330.78	30.77	-92.24	-1,080.64	-1,718.63	8,684.51	8,591.25	93.27	93.114		
18,600.00	7,151.40	7,207.29	7,206.90	333.61	30.77	-92.25	-1,080.63	-1,718.63	8,782.57	8,689.38	93.19	94.245		
18,700.00	7,151.59	7,207.62	7,207.22	336.43	30.77	-92.26	-1,080.62	-1,718.63	8,880.66	8,787.55	93.11	95.373		
18,800.00	7,151.79	7,207.94	7,207.54	339.26	30.77	-92.28	-1,080.62	-1,718.63	8,978.80	8,885.76	93.04	96.500		
18,906.26	7,152.00	7,208.28	7,207.89	342.26	30.77	-92.29	-1,080.61	-1,718.63	9,083.13	8,990.16	92.97	97.696		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-139.35	-859.76	-738.10	1,133.28					
100.00	100.00	81.00	81.00	3.28	3.57	-139.35	-859.76	-738.10	1,133.12	1,126.27	6.86	165.263		
200.00	200.00	181.00	181.00	3.34	5.63	-139.35	-859.76	-738.10	1,133.12	1,124.16	8.96	126.396 CC		
300.00	299.98	280.98	280.98	3.44	8.71	140.68	-859.76	-738.10	1,134.47	1,122.32	12.15	93.385		
400.00	399.84	380.84	380.84	3.60	12.01	140.80	-859.76	-738.10	1,138.53	1,122.92	15.61	72.950		
500.00	499.45	480.45	480.45	3.81	15.38	140.99	-859.76	-738.10	1,145.30	1,126.11	19.19	59.691		
600.00	598.70	579.70	579.70	4.06	18.78	141.25	-859.76	-738.10	1,154.81	1,131.98	22.83	50.572		
700.00	697.47	678.47	678.47	4.34	22.18	141.57	-859.76	-738.10	1,167.10	1,140.58	26.52	44.002		
785.50	781.43	762.43	762.43	4.61	25.09	141.90	-859.76	-738.10	1,179.83	1,150.13	29.70	39.727		
800.00	795.63	776.63	776.63	4.66	25.58	141.99	-859.76	-738.10	1,182.17	1,151.93	30.24	39.093		
900.00	893.55	874.55	874.55	5.02	28.97	142.58	-859.76	-738.10	1,198.35	1,164.37	33.97	35.273		
1,000.00	991.47	972.47	972.47	5.40	32.37	143.16	-859.76	-738.10	1,214.65	1,176.92	37.73	32.190		
1,100.00	1,089.39	1,070.39	1,070.39	5.80	35.77	143.72	-859.76	-738.10	1,231.07	1,189.56	41.51	29.654		
1,200.00	1,187.31	1,168.31	1,168.31	6.21	39.18	144.27	-859.76	-738.10	1,247.61	1,202.30	45.31	27.534		
1,300.00	1,285.22	1,266.22	1,266.22	6.64	42.58	144.80	-859.76	-738.10	1,264.26	1,215.13	49.12	25.736		
1,400.00	1,383.14	1,364.14	1,364.14	7.08	45.99	145.32	-859.76	-738.10	1,281.01	1,228.06	52.94	24.195		
1,500.00	1,481.06	1,462.06	1,462.06	7.52	49.40	145.83	-859.76	-738.10	1,297.86	1,241.08	56.78	22.859		
1,600.00	1,578.98	1,559.98	1,559.98	7.98	52.82	146.32	-859.76	-738.10	1,314.81	1,254.20	60.61	21.692		
1,700.00	1,676.90	1,657.90	1,657.90	8.44	56.23	146.80	-859.76	-738.10	1,331.85	1,267.39	64.46	20.663		
1,800.00	1,774.82	1,755.82	1,755.82	8.90	59.64	147.27	-859.76	-738.10	1,348.99	1,280.68	68.31	19.749		
1,900.00	1,872.74	1,853.74	1,853.74	9.37	63.05	147.73	-859.76	-738.10	1,366.21	1,294.05	72.16	18.933		
2,000.00	1,970.66	1,951.66	1,951.66	9.84	66.47	148.17	-859.76	-738.10	1,383.51	1,307.49	76.02	18.200		
2,100.00	2,068.57	2,049.57	2,049.57	10.32	69.88	148.61	-859.76	-738.10	1,400.89	1,321.02	79.88	17.538		
2,200.00	2,166.49	2,147.49	2,147.49	10.80	73.30	149.03	-859.76	-738.10	1,418.35	1,334.62	83.74	16.938		
2,300.00	2,264.41	2,245.41	2,245.41	11.28	76.71	149.45	-859.76	-738.10	1,435.89	1,348.29	87.60	16.391		
2,400.00	2,362.33	2,343.33	2,343.33	11.76	80.13	149.85	-859.76	-738.10	1,453.50	1,362.03	91.47	15.891		
2,500.00	2,460.25	2,441.25	2,441.25	12.24	83.54	150.25	-859.76	-738.10	1,471.17	1,375.84	95.34	15.431		
2,600.00	2,558.17	2,539.17	2,539.17	12.73	86.96	150.63	-859.76	-738.10	1,488.92	1,389.71	99.21	15.008		
2,700.00	2,656.09	2,637.09	2,637.09	13.22	90.37	151.01	-859.76	-738.10	1,506.72	1,403.65	103.08	14.618		
2,800.00	2,754.01	2,735.01	2,735.01	13.71	93.79	151.38	-859.76	-738.10	1,524.59	1,417.65	106.95	14.255		
2,900.00	2,851.92	2,832.92	2,832.92	14.20	97.21	151.74	-859.76	-738.10	1,542.52	1,431.70	110.82	13.919		
3,000.00	2,949.84	2,930.84	2,930.84	14.69	100.62	152.09	-859.76	-738.10	1,560.51	1,445.82	114.69	13.606		
3,100.00	3,047.76	3,028.76	3,028.76	15.18	104.04	152.43	-859.76	-738.10	1,578.56	1,459.99	118.57	13.313		
3,200.00	3,145.68	3,126.68	3,126.68	15.67	107.46	152.77	-859.76	-738.10	1,596.66	1,474.21	122.44	13.040		
3,300.00	3,243.60	3,224.60	3,224.60	16.17	110.87	153.10	-859.76	-738.10	1,614.81	1,488.49	126.32	12.784		
3,400.00	3,341.52	3,322.52	3,322.52	16.66	114.29	153.42	-859.76	-738.10	1,633.01	1,502.81	130.20	12.543		
3,500.00	3,439.44	3,420.44	3,420.44	17.16	117.71	153.73	-859.76	-738.10	1,651.26	1,517.18	134.07	12.316		
3,600.00	3,537.36	3,518.36	3,518.36	17.65	121.12	154.04	-859.76	-738.10	1,669.55	1,531.60	137.95	12.103		
3,700.00	3,635.27	3,616.27	3,616.27	18.15	124.54	154.34	-859.76	-738.10	1,687.90	1,546.07	141.83	11.901		
3,800.00	3,733.19	3,714.19	3,714.19	18.65	127.96	154.63	-859.76	-738.10	1,706.28	1,560.58	145.70	11.711		
3,900.00	3,831.11	3,812.11	3,812.11	19.14	131.38	154.92	-859.76	-738.10	1,724.71	1,575.13	149.58	11.530		
4,000.00	3,929.03	3,910.03	3,910.03	19.64	134.79	155.20	-859.76	-738.10	1,743.18	1,589.72	153.46	11.359		
4,100.00	4,026.95	4,007.95	4,007.95	20.14	138.21	155.48	-859.76	-738.10	1,761.69	1,604.36	157.34	11.197		
4,200.00	4,124.87	4,105.87	4,105.87	20.64	141.63	155.75	-859.76	-738.10	1,780.25	1,619.03	161.22	11.043		
4,300.00	4,222.79	4,203.79	4,203.79	21.14	145.05	156.01	-859.76	-738.10	1,798.83	1,633.74	165.10	10.896		
4,400.00	4,320.71	4,301.71	4,301.71	21.64	148.46	156.27	-859.76	-738.10	1,817.46	1,648.48	168.97	10.756		
4,500.00	4,418.62	4,400.38	4,399.62	22.14	151.91	156.53	-859.76	-738.10	1,836.12	1,663.24	172.88	10.621		
4,600.00	4,516.54	4,502.46	4,497.54	22.64	155.47	156.77	-859.76	-738.10	1,854.81	1,677.91	176.90	10.485		
4,700.00	4,614.46	4,604.54	4,595.46	23.14	159.03	157.02	-859.76	-738.10	1,873.54	1,692.61	180.93	10.355		
4,800.00	4,712.38	4,706.62	4,693.38	23.64	162.60	157.26	-859.76	-738.10	1,892.30	1,707.35	184.95	10.231		
4,900.00	4,810.30	4,808.70	4,791.30	24.14	166.16	157.49	-859.76	-738.10	1,911.09	1,722.11	188.98	10.113		
5,000.00	4,908.22	4,889.22	4,889.22	24.64	169.72	157.72	-859.76	-738.10	1,929.91	1,737.66	192.25	10.038		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,987.14	4,987.14	25.14	172.39	157.95	-859.76	-738.10	1,948.76	1,752.63	196.13	9.936		
5,200.00	5,104.06	5,085.06	5,085.06	25.64	175.80	158.17	-859.76	-738.10	1,967.64	1,767.63	200.01	9.838		
5,300.00	5,201.97	5,182.97	5,182.97	26.14	179.22	158.39	-859.76	-738.10	1,986.55	1,782.66	203.89	9.743		
5,400.00	5,299.89	5,280.89	5,280.89	26.64	182.64	158.60	-859.76	-738.10	2,005.49	1,797.71	207.77	9.652		
5,500.00	5,397.81	5,378.81	5,378.81	27.15	186.06	158.81	-859.76	-738.10	2,024.45	1,812.80	211.65	9.565		
5,600.00	5,495.73	5,476.73	5,476.73	27.65	189.48	159.01	-859.76	-738.10	2,043.44	1,827.90	215.53	9.481		
5,700.00	5,593.65	5,574.65	5,574.65	28.15	192.89	159.21	-859.76	-738.10	2,062.45	1,843.03	219.41	9.400		
5,800.00	5,691.57	5,672.57	5,672.57	28.65	196.31	159.41	-859.76	-738.10	2,081.48	1,858.19	223.29	9.322		
5,900.00	5,789.49	5,770.49	5,770.49	29.15	199.73	159.61	-859.76	-738.10	2,100.54	1,873.37	227.17	9.246		
6,000.00	5,887.41	5,868.41	5,868.41	29.66	203.15	159.80	-859.76	-738.10	2,119.63	1,888.57	231.06	9.174		
6,100.00	5,985.32	5,966.32	5,966.32	30.16	206.57	159.98	-859.76	-738.10	2,138.73	1,903.80	234.94	9.103		
6,200.00	6,083.24	6,064.24	6,064.24	30.66	209.98	160.17	-859.76	-738.10	2,157.86	1,919.04	238.82	9.036		
6,300.00	6,181.16	6,162.16	6,162.16	31.16	213.40	160.35	-859.76	-738.10	2,177.01	1,934.31	242.70	8.970		
6,400.00	6,279.08	6,260.08	6,260.08	31.67	216.82	160.53	-859.76	-738.10	2,196.18	1,949.60	246.58	8.907		
6,490.03	6,367.24	6,348.24	6,348.24	32.12	219.90	160.68	-859.76	-738.10	2,213.45	1,963.38	250.07	8.851		
6,500.00	6,377.01	6,358.01	6,358.01	32.17	220.24	161.71	-859.76	-738.10	2,215.30	1,964.84	250.46	8.845		
6,550.00	6,426.43	6,407.43	6,407.43	32.40	221.96	170.52	-859.76	-738.10	2,222.57	1,970.16	252.41	8.805		
6,600.00	6,476.27	6,457.27	6,457.27	32.61	223.70	-154.65	-859.76	-738.10	2,226.47	1,972.11	254.36	8.753		
6,650.00	6,526.21	6,507.21	6,507.21	32.80	225.45	-68.44	-859.76	-738.10	2,226.97	1,970.68	256.29	8.689		
6,700.00	6,575.96	6,556.96	6,556.96	32.98	227.18	-47.63	-859.76	-738.10	2,224.09	1,965.88	258.20	8.614		
6,750.00	6,625.19	6,606.19	6,606.19	33.16	228.90	-41.79	-859.76	-738.10	2,217.84	1,957.75	260.09	8.527		
6,800.00	6,673.62	6,654.62	6,654.62	33.35	230.59	-39.52	-859.76	-738.10	2,208.29	1,946.35	261.94	8.431		
6,850.00	6,720.94	6,701.94	6,701.94	33.55	232.24	-38.74	-859.76	-738.10	2,195.50	1,931.77	263.74	8.325		
6,900.00	6,766.86	6,747.86	6,747.86	33.76	233.85	-38.80	-859.76	-738.10	2,179.60	1,914.12	265.48	8.210		
6,950.00	6,811.10	6,807.90	6,792.10	33.98	235.94	-39.46	-859.76	-738.10	2,160.69	1,892.98	267.71	8.071		
7,000.00	6,853.38	6,834.38	6,834.38	34.23	236.87	-40.62	-859.76	-738.10	2,138.95	1,870.17	268.77	7.958		
7,050.00	6,893.45	6,874.45	6,874.45	34.50	238.26	-42.23	-859.76	-738.10	2,114.53	1,844.22	270.31	7.823		
7,100.00	6,931.05	6,912.05	6,912.05	34.79	239.58	-44.31	-859.76	-738.10	2,087.63	1,815.87	271.76	7.682		
7,150.00	6,965.96	6,946.96	6,946.96	35.12	240.80	-46.84	-859.76	-738.10	2,058.47	1,785.35	273.13	7.537		
7,200.00	6,997.96	6,978.96	6,978.96	35.47	241.91	-49.86	-859.76	-738.10	2,027.28	1,752.88	274.41	7.388		
7,250.00	7,026.85	7,007.85	7,007.85	35.86	242.92	-53.37	-859.76	-738.10	1,994.30	1,718.71	275.59	7.236		
7,300.00	7,052.45	7,033.45	7,033.45	36.29	243.81	-57.38	-859.76	-738.10	1,959.80	1,683.10	276.69	7.083		
7,350.00	7,074.61	7,055.61	7,055.61	36.76	244.59	-61.87	-859.76	-738.10	1,924.04	1,646.33	277.70	6.928		
7,400.00	7,093.19	7,074.19	7,074.19	37.27	245.24	-66.78	-859.76	-738.10	1,887.30	1,608.67	278.62	6.774		
7,450.00	7,108.07	7,089.07	7,089.07	37.81	245.76	-72.01	-859.76	-738.10	1,849.86	1,570.41	279.45	6.620		
7,500.00	7,119.17	7,100.17	7,100.17	38.39	246.14	-77.43	-859.76	-738.10	1,812.02	1,531.83	280.19	6.467		
7,550.00	7,126.41	7,107.41	7,107.41	38.99	246.40	-82.87	-859.76	-738.10	1,774.06	1,493.22	280.84	6.317		
7,600.00	7,129.75	7,110.75	7,110.75	39.62	246.51	-88.19	-859.76	-738.10	1,736.26	1,454.86	281.40	6.170		
7,616.41	7,130.00	7,111.00	7,111.00	39.83	246.52	-89.87	-859.76	-738.10	1,723.94	1,442.38	281.57	6.123		
7,700.00	7,130.16	7,111.16	7,111.16	40.97	246.53	-89.88	-859.76	-738.10	1,662.23	1,379.77	282.46	5.885		
7,800.00	7,130.35	7,111.35	7,111.35	42.46	246.53	-89.89	-859.76	-738.10	1,591.02	1,307.28	283.75	5.607		
7,900.00	7,130.55	7,111.55	7,111.55	44.09	246.54	-89.90	-859.76	-738.10	1,523.06	1,237.76	285.31	5.338		
8,000.00	7,130.74	7,111.74	7,111.74	45.84	246.55	-89.91	-859.76	-738.10	1,458.79	1,171.65	287.14	5.080		
8,100.00	7,130.94	7,111.94	7,111.94	47.70	246.55	-89.92	-859.76	-738.10	1,398.73	1,109.46	289.27	4.835		
8,200.00	7,131.13	7,112.13	7,112.13	49.65	246.56	-89.93	-859.76	-738.10	1,343.43	1,051.75	291.67	4.606		
8,300.00	7,131.32	7,112.32	7,112.32	51.70	246.57	-89.94	-859.76	-738.10	1,293.51	999.17	294.33	4.395		
8,400.00	7,131.52	7,112.52	7,112.52	53.81	246.57	-89.95	-859.76	-738.10	1,249.61	952.40	297.21	4.204		
8,500.00	7,131.71	7,112.71	7,112.71	55.99	246.58	-89.96	-859.76	-738.10	1,212.38	912.16	300.23	4.038		
8,600.00	7,131.90	7,112.90	7,112.90	58.24	246.59	-89.97	-859.76	-738.10	1,182.47	879.16	303.31	3.899		
8,700.00	7,132.10	7,113.10	7,113.10	60.53	246.60	-89.98	-859.76	-738.10	1,160.43	854.08	306.34	3.788		
8,800.00	7,132.29	7,113.29	7,113.29	62.87	246.60	-89.99	-859.76	-738.10	1,146.71	837.48	309.23	3.708		
8,900.00	7,132.49	7,113.49	7,113.49	65.25	246.61	-90.00	-859.76	-738.10	1,141.63	829.77	311.86	3.661		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,908.21	7,132.50	7,113.50	7,113.50	65.45	246.61	-90.00	-859.76	-738.10	1,141.60	829.54	312.06	3.658 ES		
9,000.00	7,132.68	7,113.68	7,113.68	67.68	246.62	-90.01	-859.76	-738.10	1,145.28	831.14	314.15	3.646 SF		
9,100.00	7,132.87	7,113.87	7,113.87	70.13	246.62	-90.02	-859.76	-738.10	1,157.60	841.57	316.03	3.663		
9,200.00	7,133.07	7,114.07	7,114.07	72.61	246.63	-90.03	-859.76	-738.10	1,178.30	860.81	317.49	3.711		
9,300.00	7,133.26	7,114.26	7,114.26	75.13	246.64	-90.04	-859.76	-738.10	1,206.96	888.44	318.52	3.789		
9,400.00	7,133.46	7,114.46	7,114.46	77.66	246.64	-90.05	-859.76	-738.10	1,243.02	923.86	319.16	3.895		
9,500.00	7,133.65	7,114.65	7,114.65	80.22	246.65	-90.06	-859.76	-738.10	1,285.87	966.41	319.46	4.025		
9,600.00	7,133.84	7,114.84	7,114.84	82.80	246.66	-90.07	-859.76	-738.10	1,334.85	1,015.38	319.47	4.178		
9,700.00	7,134.04	7,115.04	7,115.04	85.40	246.66	-90.08	-859.76	-738.10	1,389.31	1,070.05	319.26	4.352		
9,800.00	7,134.23	7,115.23	7,115.23	88.01	246.67	-90.09	-859.76	-738.10	1,448.63	1,129.77	318.86	4.543		
9,900.00	7,134.43	7,115.43	7,115.43	90.64	246.68	-90.10	-859.76	-738.10	1,512.25	1,193.91	318.34	4.750		
10,000.00	7,134.62	7,115.62	7,115.62	93.28	246.68	-90.11	-859.76	-738.10	1,579.64	1,261.91	317.73	4.972		
10,100.00	7,134.81	7,115.81	7,115.81	95.94	246.69	-90.12	-859.76	-738.10	1,650.34	1,333.28	317.06	5.205		
10,200.00	7,135.01	7,116.01	7,116.01	98.61	246.70	-90.13	-859.76	-738.10	1,723.94	1,407.59	316.35	5.449		
10,300.00	7,135.20	7,116.20	7,116.20	101.28	246.70	-90.14	-859.76	-738.10	1,800.09	1,484.45	315.64	5.703		
10,400.00	7,135.39	7,116.39	7,116.39	103.97	246.71	-90.15	-859.76	-738.10	1,878.48	1,563.56	314.92	5.965		
10,500.00	7,135.59	7,116.59	7,116.59	106.67	246.72	-90.15	-859.76	-738.10	1,958.84	1,644.63	314.21	6.234		
10,600.00	7,135.78	7,116.78	7,116.78	109.38	246.72	-90.16	-859.76	-738.10	2,040.93	1,727.41	313.52	6.510		
10,700.00	7,135.98	7,116.98	7,116.98	112.09	246.73	-90.17	-859.76	-738.10	2,124.56	1,811.71	312.85	6.791		
10,800.00	7,136.17	7,117.17	7,117.17	114.81	246.74	-90.18	-859.76	-738.10	2,209.55	1,897.34	312.21	7.077		
10,900.00	7,136.36	7,117.36	7,117.36	117.54	246.74	-90.19	-859.76	-738.10	2,295.75	1,984.16	311.59	7.368		
11,000.00	7,136.56	7,117.56	7,117.56	120.28	246.75	-90.20	-859.76	-738.10	2,383.03	2,072.03	311.00	7.662		
11,100.00	7,136.75	7,117.75	7,117.75	123.02	246.76	-90.21	-859.76	-738.10	2,471.27	2,160.83	310.44	7.960		
11,200.00	7,136.95	7,117.95	7,117.95	125.76	246.76	-90.22	-859.76	-738.10	2,560.38	2,250.47	309.91	8.262		
11,300.00	7,137.14	7,118.14	7,118.14	128.52	246.77	-90.23	-859.76	-738.10	2,650.27	2,340.86	309.40	8.566		
11,400.00	7,137.33	7,118.33	7,118.33	131.27	246.78	-90.24	-859.76	-738.10	2,740.85	2,431.93	308.92	8.872		
11,500.00	7,137.53	7,118.53	7,118.53	134.03	246.78	-90.25	-859.76	-738.10	2,832.07	2,523.60	308.47	9.181		
11,600.00	7,137.72	7,118.72	7,118.72	136.80	246.79	-90.26	-859.76	-738.10	2,923.86	2,615.83	308.04	9.492		
11,700.00	7,137.92	7,118.92	7,118.92	139.57	246.80	-90.27	-859.76	-738.10	3,016.18	2,708.55	307.63	9.805		
11,800.00	7,138.11	7,119.11	7,119.11	142.34	246.80	-90.28	-859.76	-738.10	3,108.97	2,801.73	307.24	10.119		
11,900.00	7,138.30	7,119.30	7,119.30	145.12	246.81	-90.29	-859.76	-738.10	3,202.19	2,895.32	306.87	10.435		
12,000.00	7,138.50	7,119.50	7,119.50	147.90	246.82	-90.30	-859.76	-738.10	3,295.82	2,989.29	306.53	10.752		
12,100.00	7,138.69	7,119.69	7,119.69	150.68	246.83	-90.31	-859.76	-738.10	3,389.80	3,083.60	306.20	11.071		
12,200.00	7,138.88	7,119.88	7,119.88	153.47	246.83	-90.32	-859.76	-738.10	3,484.12	3,178.24	305.89	11.390		
12,300.00	7,139.08	7,120.08	7,120.08	156.26	246.84	-90.33	-859.76	-738.10	3,578.75	3,273.16	305.59	11.711		
12,400.00	7,139.27	7,120.27	7,120.27	159.05	246.85	-90.34	-859.76	-738.10	3,673.67	3,368.35	305.31	12.032		
12,500.00	7,139.47	7,120.47	7,120.47	161.85	246.85	-90.35	-859.76	-738.10	3,768.84	3,463.80	305.05	12.355		
12,600.00	7,139.66	7,120.66	7,120.66	164.64	246.86	-90.36	-859.76	-738.10	3,864.26	3,559.47	304.80	12.678		
12,700.00	7,139.85	7,120.85	7,120.85	167.44	246.87	-90.37	-859.76	-738.10	3,959.91	3,655.35	304.56	13.002		
12,800.00	7,140.05	7,121.05	7,121.05	170.24	246.87	-90.38	-859.76	-738.10	4,055.77	3,751.43	304.34	13.327		
12,900.00	7,140.24	7,121.24	7,121.24	173.05	246.88	-90.39	-859.76	-738.10	4,151.82	3,847.70	304.12	13.652		
13,000.00	7,140.44	7,121.44	7,121.44	175.85	246.89	-90.40	-859.76	-738.10	4,248.05	3,944.13	303.92	13.977		
13,100.00	7,140.63	7,121.63	7,121.63	178.66	246.89	-90.41	-859.76	-738.10	4,344.46	4,040.73	303.73	14.304		
13,200.00	7,140.82	7,121.82	7,121.82	181.47	246.90	-90.42	-859.76	-738.10	4,441.02	4,137.47	303.55	14.630		
13,300.00	7,141.02	7,122.02	7,122.02	184.28	246.91	-90.43	-859.76	-738.10	4,537.73	4,234.35	303.38	14.957		
13,400.00	7,141.21	7,122.21	7,122.21	187.10	246.91	-90.44	-859.76	-738.10	4,634.59	4,331.37	303.22	15.285		
13,500.00	7,141.41	7,122.41	7,122.41	189.91	246.92	-90.45	-859.76	-738.10	4,731.57	4,428.50	303.07	15.612		
13,600.00	7,141.60	7,122.60	7,122.60	192.73	246.93	-90.46	-859.76	-738.10	4,828.67	4,525.75	302.92	15.940		
13,700.00	7,141.79	7,122.79	7,122.79	195.54	246.93	-90.47	-859.76	-738.10	4,925.90	4,623.11	302.78	16.269		
13,800.00	7,141.99	7,122.99	7,122.99	198.36	246.94	-90.48	-859.76	-738.10	5,023.23	4,720.57	302.65	16.597		
13,900.00	7,142.18	7,123.18	7,123.18	201.18	246.95	-90.49	-859.76	-738.10	5,120.66	4,818.13	302.53	16.926		
14,000.00	7,142.37	7,123.37	7,123.37	204.01	246.95	-90.50	-859.76	-738.10	5,218.19	4,915.78	302.42	17.255		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)					
14,100.00	7,142.57	7,123.57	7,123.57	206.83	246.96	-90.51	-859.76	-738.10	5,315.81	5,013.51	302.31	17.584					
14,200.00	7,142.76	7,123.76	7,123.76	209.65	246.97	-90.51	-859.76	-738.10	5,413.52	5,111.32	302.20	17.913					
14,300.00	7,142.96	7,123.96	7,123.96	212.48	246.97	-90.52	-859.76	-738.10	5,511.31	5,209.21	302.11	18.243					
14,400.00	7,143.15	7,124.15	7,124.15	215.30	246.98	-90.53	-859.76	-738.10	5,609.18	5,307.17	302.02	18.572					
14,500.00	7,143.34	7,124.34	7,124.34	218.13	246.99	-90.54	-859.76	-738.10	5,707.13	5,405.20	301.93	18.902					
14,600.00	7,143.54	7,124.54	7,124.54	220.96	246.99	-90.55	-859.76	-738.10	5,805.14	5,503.29	301.85	19.232					
14,700.00	7,143.73	7,124.73	7,124.73	223.79	247.00	-90.56	-859.76	-738.10	5,903.22	5,601.44	301.78	19.562					
14,800.00	7,143.93	7,124.93	7,124.93	226.62	247.01	-90.57	-859.76	-738.10	6,001.36	5,699.66	301.70	19.891					
14,838.32	7,144.00	7,125.00	7,125.00	227.70	247.01	-90.58	-859.76	-738.10	6,038.99	5,737.31	301.68	20.018					
14,900.00	7,144.12	7,125.12	7,125.12	229.45	247.01	-90.52	-859.76	-738.10	6,099.44	5,797.80	301.63	20.221					
15,000.00	7,144.32	7,125.32	7,125.32	232.26	247.02	-90.46	-859.76	-738.10	6,196.91	5,895.36	301.55	20.550					
15,027.81	7,144.37	7,125.37	7,125.37	233.04	247.02	-90.44	-859.76	-738.10	6,223.88	5,922.36	301.52	20.642					
15,100.00	7,144.51	7,125.51	7,125.51	235.07	247.03	-90.45	-859.76	-738.10	6,293.86	5,992.41	301.45	20.879					
15,200.00	7,144.71	7,125.71	7,125.71	237.87	247.04	-90.45	-859.76	-738.10	6,390.88	6,089.53	301.35	21.207					
15,300.00	7,144.91	7,125.91	7,125.91	240.68	247.04	-90.46	-859.76	-738.10	6,487.99	6,186.73	301.26	21.536					
15,400.00	7,145.10	7,126.10	7,126.10	243.48	247.05	-90.47	-859.76	-738.10	6,585.18	6,284.00	301.18	21.865					
15,500.00	7,145.30	7,126.30	7,126.30	246.29	247.06	-90.48	-859.76	-738.10	6,682.46	6,381.36	301.10	22.194					
15,600.00	7,145.50	7,126.50	7,126.50	249.10	247.06	-90.48	-859.76	-738.10	6,779.82	6,478.79	301.02	22.523					
15,700.00	7,145.69	7,126.69	7,126.69	251.91	247.07	-90.49	-859.76	-738.10	6,877.25	6,576.30	300.95	22.852					
15,800.00	7,145.89	7,126.89	7,126.89	254.71	247.08	-90.50	-859.76	-738.10	6,974.75	6,673.87	300.89	23.181					
15,900.00	7,146.09	7,127.09	7,127.09	257.52	247.08	-90.51	-859.76	-738.10	7,072.33	6,771.50	300.82	23.510					
16,000.00	7,146.28	7,127.28	7,127.28	260.34	247.09	-90.51	-859.76	-738.10	7,169.97	6,869.20	300.77	23.839					
16,100.00	7,146.48	7,127.48	7,127.48	263.15	247.10	-90.52	-859.76	-738.10	7,267.68	6,966.96	300.71	24.168					
16,200.00	7,146.68	7,127.68	7,127.68	265.96	247.10	-90.53	-859.76	-738.10	7,365.44	7,064.78	300.66	24.497					
16,300.00	7,146.87	7,127.87	7,127.87	268.77	247.11	-90.54	-859.76	-738.10	7,463.27	7,162.65	300.62	24.826					
16,400.00	7,147.07	7,128.07	7,128.07	271.58	247.12	-90.54	-859.76	-738.10	7,561.15	7,260.58	300.58	25.155					
16,500.00	7,147.27	7,128.27	7,128.27	274.40	247.12	-90.55	-859.76	-738.10	7,659.09	7,358.55	300.54	25.485					
16,600.00	7,147.46	7,128.46	7,128.46	277.21	247.13	-90.56	-859.76	-738.10	7,757.08	7,456.58	300.50	25.814					
16,700.00	7,147.66	7,128.66	7,128.66	280.03	247.14	-90.56	-859.76	-738.10	7,855.12	7,554.65	300.47	26.143					
16,800.00	7,147.86	7,128.86	7,128.86	282.84	247.15	-90.57	-859.76	-738.10	7,953.21	7,652.77	300.44	26.472					
16,900.00	7,148.05	7,129.05	7,129.05	285.66	247.15	-90.58	-859.76	-738.10	8,051.35	7,750.93	300.42	26.800					
17,000.00	7,148.25	7,129.25	7,129.25	288.48	247.16	-90.59	-859.76	-738.10	8,149.53	7,849.14	300.40	27.129					
17,100.00	7,148.45	7,129.45	7,129.45	291.29	247.17	-90.59	-859.76	-738.10	8,247.76	7,947.38	300.38	27.458					
17,200.00	7,148.64	7,129.64	7,129.64	294.11	247.17	-90.60	-859.76	-738.10	8,346.03	8,045.67	300.36	27.787					
17,300.00	7,148.84	7,129.84	7,129.84	296.93	247.18	-90.61	-859.76	-738.10	8,444.34	8,143.99	300.35	28.115					
17,400.00	7,149.04	7,130.04	7,130.04	299.75	247.19	-90.62	-859.76	-738.10	8,542.68	8,242.35	300.34	28.444					
17,500.00	7,149.23	7,130.23	7,130.23	302.57	247.19	-90.62	-859.76	-738.10	8,641.07	8,340.74	300.33	28.772					
17,600.00	7,149.43	7,130.43	7,130.43	305.39	247.20	-90.63	-859.76	-738.10	8,739.49	8,439.17	300.32	29.100					
17,700.00	7,149.63	7,130.63	7,130.63	308.21	247.21	-90.64	-859.76	-738.10	8,837.95	8,537.63	300.32	29.428					
17,800.00	7,149.82	7,130.82	7,130.82	311.03	247.21	-90.65	-859.76	-738.10	8,936.44	8,636.12	300.32	29.756					
17,900.00	7,150.02	7,131.02	7,131.02	313.85	247.22	-90.65	-859.76	-738.10	9,034.97	8,734.64	300.32	30.084					
18,000.00	7,150.22	7,131.22	7,131.22	316.67	247.23	-90.66	-859.76	-738.10	9,133.53	8,833.20	300.33	30.412					
18,100.00	7,150.41	7,131.41	7,131.41	319.49	247.23	-90.67	-859.76	-738.10	9,232.11	8,931.78	300.34	30.739					
18,200.00	7,150.61	7,131.61	7,131.61	322.32	247.24	-90.67	-859.76	-738.10	9,330.73	9,030.39	300.34	31.067					
18,300.00	7,150.81	7,131.81	7,131.81	325.14	247.25	-90.68	-859.76	-738.10	9,429.38	9,129.02	300.36	31.394					
18,400.00	7,151.00	7,132.00	7,132.00	327.96	247.26	-90.69	-859.76	-738.10	9,528.06	9,227.69	300.37	31.721					
18,500.00	7,151.20	7,132.20	7,132.20	330.78	247.26	-90.70	-859.76	-738.10	9,626.76	9,326.37	300.39	32.048					
18,600.00	7,151.40	7,132.40	7,132.40	333.61	247.27	-90.70	-859.76	-738.10	9,725.49	9,425.08	300.40	32.375					
18,700.00	7,151.59	7,132.59	7,132.59	336.43	247.28	-90.71	-859.76	-738.10	9,824.24	9,523.82	300.42	32.701					
18,800.00	7,151.79	7,132.79	7,132.79	339.26	247.28	-90.72	-859.76	-738.10	9,923.02	9,622.58	300.45	33.028					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-71.65	137.34	-414.08	436.60					
100.00	100.00	80.84	80.84	3.28	3.28	-71.59	137.82	-414.14	436.47	429.90	6.57	66.437		
200.00	200.00	181.42	181.41	3.34	3.33	-71.44	139.10	-414.24	436.97	430.31	6.67	65.546		
300.00	299.98	281.68	281.67	3.44	3.43	-151.42	139.98	-414.27	438.82	431.94	6.87	63.853		
400.00	399.84	380.93	380.92	3.60	3.58	-151.61	140.72	-414.39	443.77	436.59	7.18	61.840		
500.00	499.45	481.28	481.26	3.81	3.77	-151.98	141.50	-414.54	451.84	444.26	7.57	59.679		
600.00	598.70	580.30	580.28	4.06	3.99	-152.51	142.14	-414.61	462.89	454.85	8.04	57.568		
700.00	697.47	677.93	677.90	4.34	4.25	-153.18	142.68	-414.86	477.26	468.68	8.57	55.670		
785.50	781.43	761.95	761.92	4.61	4.48	-153.84	143.21	-415.19	492.19	483.11	9.07	54.241		
800.00	795.63	776.23	776.20	4.66	4.52	-153.98	143.29	-415.25	494.91	485.75	9.17	53.998		
900.00	893.55	872.55	872.52	5.02	4.82	-154.92	143.76	-415.70	513.87	504.09	9.78	52.520		
1,000.00	991.47	969.99	969.96	5.40	5.13	-155.81	144.21	-416.46	533.24	522.80	10.44	51.059		
1,100.00	1,089.39	1,068.83	1,068.79	5.80	5.47	-156.65	144.66	-417.13	552.63	541.49	11.14	49.612		
1,200.00	1,187.31	1,164.95	1,164.91	6.21	5.80	-157.42	144.97	-417.76	572.08	560.23	11.85	48.281		
1,300.00	1,285.22	1,263.10	1,263.05	6.64	6.15	-158.16	145.34	-418.71	591.93	579.34	12.59	47.023		
1,400.00	1,383.14	1,361.29	1,361.24	7.08	6.51	-158.88	145.39	-419.47	611.63	598.29	13.34	45.833		
1,500.00	1,481.06	1,458.38	1,458.33	7.52	6.87	-159.52	145.72	-420.26	631.50	617.39	14.11	44.752		
1,600.00	1,578.98	1,556.71	1,556.66	7.98	7.25	-160.16	145.85	-421.06	651.40	636.50	14.91	43.701		
1,700.00	1,676.90	1,654.06	1,654.00	8.44	7.64	-160.76	145.89	-421.31	670.81	655.10	15.71	42.694		
1,800.00	1,774.82	1,752.53	1,752.48	8.90	8.02	-161.34	145.74	-421.41	690.14	673.62	16.52	41.785		
1,900.00	1,872.74	1,850.59	1,850.53	9.37	8.40	-161.88	145.54	-421.47	709.46	692.14	17.33	40.948		
2,000.00	1,970.66	1,948.79	1,948.73	9.84	8.78	-162.40	145.15	-421.58	728.88	710.74	18.14	40.186		
2,100.00	2,068.57	2,046.28	2,046.22	10.32	9.17	-162.91	144.58	-421.86	748.50	729.54	18.95	39.497		
2,200.00	2,166.49	2,144.89	2,144.82	10.80	9.55	-163.45	143.24	-422.41	768.36	748.59	19.77	38.865		
2,300.00	2,264.41	2,242.25	2,242.16	11.28	9.94	-164.01	141.32	-423.14	788.41	767.82	20.59	38.287		
2,400.00	2,362.33	2,339.95	2,339.83	11.76	10.33	-164.56	139.26	-424.11	808.77	787.35	21.41	37.768		
2,500.00	2,460.25	2,437.33	2,437.19	12.24	10.72	-165.07	137.20	-425.29	829.44	807.21	22.23	37.310		
2,600.00	2,558.17	2,535.34	2,535.15	12.73	11.10	-165.55	135.27	-427.01	850.74	827.70	23.04	36.923		
2,700.00	2,656.09	2,632.47	2,632.25	13.22	11.50	-166.00	133.54	-428.97	872.29	848.41	23.88	36.527		
2,800.00	2,754.01	2,730.99	2,730.74	13.71	11.89	-166.42	132.06	-430.99	893.98	869.26	24.72	36.167		
2,900.00	2,851.92	2,828.54	2,828.26	14.20	12.30	-166.81	130.66	-433.07	915.76	890.20	25.57	35.821		
3,000.00	2,949.84	2,925.91	2,925.60	14.69	12.71	-167.19	129.28	-435.07	937.46	911.03	26.43	35.474		
3,100.00	3,047.76	3,023.54	3,023.21	15.18	13.12	-167.54	128.20	-436.84	958.98	931.69	27.29	35.138		
3,200.00	3,145.68	3,121.02	3,120.67	15.67	13.54	-167.86	127.38	-438.36	980.28	952.12	28.17	34.805		
3,300.00	3,243.60	3,218.11	3,217.74	16.17	13.95	-168.16	126.47	-439.54	1,001.28	972.24	29.04	34.483		
3,400.00	3,341.52	3,316.94	3,316.57	16.66	14.35	-168.43	125.74	-440.76	1,022.41	992.54	29.87	34.224		
3,500.00	3,439.44	3,414.33	3,413.95	17.16	14.77	-168.70	125.21	-441.92	1,043.41	1,012.65	30.77	33.915		
3,600.00	3,537.36	3,511.36	3,510.98	17.65	15.18	-168.94	124.71	-442.76	1,064.18	1,032.55	31.63	33.647		
3,700.00	3,635.27	3,608.33	3,607.94	18.15	15.56	-169.15	124.40	-443.86	1,085.30	1,052.86	32.44	33.455		
3,800.00	3,733.19	3,705.50	3,705.10	18.65	15.99	-169.35	124.47	-445.22	1,106.57	1,073.24	33.33	33.203		
3,900.00	3,831.11	3,803.10	3,802.69	19.14	16.41	-169.52	124.87	-446.32	1,127.61	1,093.41	34.20	32.967		
4,000.00	3,929.03	3,900.08	3,899.66	19.64	16.82	-169.67	125.65	-447.26	1,148.53	1,113.45	35.08	32.743		
4,100.00	4,026.95	3,996.99	3,996.57	20.14	17.21	-169.80	126.43	-448.30	1,169.60	1,133.70	35.91	32.573		
4,200.00	4,124.87	4,094.06	4,093.62	20.64	17.62	-169.94	127.16	-449.63	1,190.96	1,154.19	36.76	32.398		
4,300.00	4,222.79	4,193.08	4,192.63	21.14	18.05	-170.08	127.85	-450.95	1,212.22	1,174.56	37.66	32.190		
4,400.00	4,320.71	4,291.60	4,291.15	21.64	18.48	-170.23	128.20	-451.89	1,233.13	1,194.58	38.55	31.985		
4,500.00	4,418.62	4,388.98	4,388.52	22.14	18.87	-170.37	128.41	-452.74	1,254.03	1,214.63	39.40	31.831		
4,600.00	4,516.54	4,486.86	4,486.39	22.64	19.30	-170.52	128.63	-453.73	1,275.02	1,234.74	40.28	31.653		
4,700.00	4,614.46	4,584.48	4,583.01	23.14	19.70	-170.65	128.70	-454.64	1,296.00	1,254.87	41.13	31.512		
4,800.00	4,712.38	4,681.44	4,680.96	23.64	20.11	-170.82	128.15	-455.75	1,317.15	1,275.15	42.00	31.362		
4,900.00	4,810.30	4,779.93	4,779.45	24.14	20.51	-170.99	127.46	-456.83	1,338.33	1,295.48	42.85	31.232		
5,000.00	4,908.22	4,878.22	4,877.72	24.64	20.92	-171.16	126.52	-458.09	1,359.69	1,315.98	43.71	31.106		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,967.92	4,967.41	25.14	21.32	-171.33	125.41	-459.43	1,381.17	1,336.61	44.56	30.997		
5,200.00	5,104.06	5,068.20	5,067.67	25.64	21.75	-171.51	124.18	-460.95	1,402.77	1,357.32	45.45	30.864		
5,300.00	5,201.97	5,166.07	5,165.52	26.14	22.16	-171.68	122.85	-462.19	1,424.14	1,377.82	46.32	30.744		
5,400.00	5,299.89	5,273.08	5,272.50	26.64	22.61	-171.89	120.93	-463.39	1,445.40	1,398.14	47.26	30.582		
5,500.00	5,397.81	5,376.80	5,376.22	27.15	23.05	-172.06	119.53	-463.79	1,465.93	1,417.75	48.18	30.427		
5,600.00	5,495.73	5,474.03	5,473.44	27.65	23.46	-172.21	118.42	-464.04	1,486.35	1,437.30	49.05	30.305		
5,700.00	5,593.65	5,575.25	5,574.64	28.15	23.89	-172.37	117.02	-464.28	1,506.75	1,456.81	49.94	30.169		
5,800.00	5,691.57	5,676.02	5,675.41	28.65	24.32	-172.54	115.43	-464.22	1,526.90	1,476.06	50.84	30.034		
5,900.00	5,789.49	5,771.19	5,770.56	29.15	24.72	-172.68	114.11	-464.16	1,547.03	1,495.34	51.69	29.928		
6,000.00	5,887.41	5,876.40	5,875.77	29.66	25.16	-172.84	112.48	-464.07	1,567.17	1,514.56	52.62	29.784		
6,100.00	5,985.32	5,975.70	5,975.05	30.16	25.58	-172.98	111.23	-463.55	1,586.87	1,533.37	53.50	29.660		
6,200.00	6,083.24	6,080.27	6,079.62	30.66	26.03	-173.11	110.41	-462.91	1,606.47	1,552.05	54.42	29.519		
6,300.00	6,181.16	6,174.57	6,173.91	31.16	26.42	-173.22	109.52	-462.11	1,625.85	1,570.58	55.27	29.417		
6,400.00	6,279.08	6,275.93	6,275.26	31.67	26.85	-173.35	108.38	-461.41	1,645.41	1,589.25	56.17	29.294		
6,490.03	6,367.24	6,363.25	6,362.58	32.12	27.22	-173.46	107.50	-460.63	1,662.84	1,605.89	56.95	29.198		
6,500.00	6,377.01	6,372.65	6,371.97	32.17	27.26	-172.53	107.43	-460.56	1,664.70	1,607.67	57.03	29.188		
6,550.00	6,426.43	6,421.07	6,420.39	32.40	27.46	-164.11	107.10	-460.21	1,671.76	1,614.30	57.46	29.096		
6,600.00	6,476.27	6,471.14	6,470.46	32.61	27.68	-129.50	106.75	-459.86	1,674.93	1,617.05	57.88	28.938		
6,650.00	6,526.21	6,519.45	6,518.77	32.80	27.88	-43.35	106.39	-459.52	1,674.20	1,615.94	58.27	28.732		
6,700.00	6,575.96	6,565.06	6,564.37	32.98	28.07	-22.43	106.03	-459.29	1,669.68	1,611.06	58.62	28.484		
6,750.00	6,625.19	6,610.98	6,610.29	33.16	28.27	-16.32	105.63	-459.17	1,661.40	1,602.44	58.95	28.181		
6,800.00	6,673.62	6,658.74	6,658.05	33.35	28.47	-13.63	105.15	-459.08	1,649.34	1,590.05	59.29	27.819		
6,850.00	6,720.94	6,705.39	6,704.70	33.55	28.67	-12.25	104.60	-459.01	1,633.57	1,573.96	59.60	27.408		
6,900.00	6,766.86	6,750.58	6,749.88	33.76	28.86	-11.53	104.13	-458.97	1,614.16	1,554.27	59.89	26.951		
6,950.00	6,811.10	6,794.16	6,793.46	33.98	29.05	-11.22	103.84	-458.95	1,591.25	1,531.09	60.16	26.450		
7,000.00	6,853.38	6,834.41	6,833.71	34.23	29.22	-11.19	103.67	-458.98	1,565.00	1,504.61	60.39	25.914		
7,050.00	6,893.45	6,872.41	6,871.71	34.50	29.38	-11.42	103.57	-459.06	1,535.58	1,474.98	60.60	25.340		
7,100.00	6,931.05	6,908.53	6,907.83	34.79	29.53	-11.89	103.51	-459.19	1,503.17	1,442.38	60.79	24.728		
7,150.00	6,965.96	6,943.26	6,942.56	35.12	29.68	-12.63	103.47	-459.33	1,467.95	1,406.98	60.96	24.079		
7,200.00	6,997.96	6,975.13	6,974.43	35.47	29.82	-13.69	103.46	-459.48	1,430.11	1,368.99	61.12	23.400		
7,250.00	7,026.85	7,004.08	7,003.38	35.86	29.94	-15.16	103.45	-459.61	1,389.90	1,328.65	61.25	22.693		
7,300.00	7,052.45	7,030.43	7,029.74	36.29	30.05	-17.20	103.44	-459.73	1,347.55	1,286.18	61.37	21.958		
7,350.00	7,074.61	7,053.23	7,052.53	36.76	30.15	-20.07	103.40	-459.82	1,303.32	1,241.86	61.47	21.203		
7,400.00	7,093.19	7,072.34	7,071.64	37.27	30.23	-24.21	103.36	-459.88	1,257.51	1,195.96	61.55	20.429		
7,450.00	7,108.07	7,087.65	7,086.95	37.81	30.30	-30.42	103.31	-459.93	1,210.39	1,148.77	61.62	19.642		
7,500.00	7,119.17	7,099.09	7,098.39	38.39	30.34	-40.18	103.27	-459.97	1,162.28	1,100.59	61.68	18.843		
7,550.00	7,126.41	7,106.58	7,105.88	38.99	30.38	-55.95	103.24	-459.99	1,113.46	1,051.72	61.73	18.036		
7,600.00	7,129.75	7,110.10	7,109.40	39.62	30.39	-79.46	103.22	-459.99	1,064.25	1,002.47	61.78	17.227		
7,616.41	7,130.00	7,110.39	7,109.69	39.83	30.39	-88.24	103.22	-460.00	1,048.07	986.27	61.79	16.961		
7,700.00	7,130.16	7,110.76	7,110.07	40.97	30.39	-88.37	103.22	-460.00	965.72	903.84	61.88	15.607		
7,800.00	7,130.35	7,110.64	7,109.94	42.46	30.39	-88.33	103.23	-460.00	867.53	805.51	62.02	13.987		
7,900.00	7,130.55	7,111.15	7,110.45	44.09	30.40	-88.49	103.22	-460.00	769.80	707.54	62.26	12.364		
8,000.00	7,130.74	7,111.66	7,110.96	45.84	30.40	-88.66	103.22	-460.00	672.74	610.10	62.64	10.739		
8,100.00	7,130.94	7,112.18	7,111.48	47.70	30.40	-88.83	103.22	-460.01	576.68	513.41	63.28	9.114		
8,200.00	7,131.13	7,112.70	7,112.00	49.65	30.40	-89.01	103.22	-460.01	482.23	417.86	64.37	7.492		
8,300.00	7,131.32	7,113.23	7,112.54	51.70	30.40	-89.18	103.22	-460.01	390.55	324.19	66.35	5.886		
8,400.00	7,131.52	7,113.77	7,113.07	53.81	30.41	-89.36	103.22	-460.01	304.15	234.02	70.13	4.337		
8,500.00	7,131.71	7,114.32	7,113.62	55.99	30.41	-89.54	103.21	-460.01	229.10	151.93	77.17	2.969		
8,600.00	7,131.90	7,114.87	7,114.17	58.24	30.41	-89.72	103.21	-460.02	180.19	93.30	86.89	2.074		
8,650.10	7,132.00	7,115.14	7,114.44	59.38	30.41	-89.82	103.21	-460.02	173.09	83.33	89.76	1.928 CC, ES, SF		
8,700.00	7,132.10	7,115.42	7,114.72	60.53	30.41	-89.91	103.21	-460.02	180.13	90.86	89.27	2.018		
8,800.00	7,132.29	7,115.99	7,115.29	62.87	30.42	-90.09	103.21	-460.02	228.97	146.63	82.34	2.781		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,116.55	7,115.86	65.25	30.42	-90.28	103.21	-460.02	303.98	228.17	75.81	4.010		
9,000.00	7,132.68	7,117.13	7,116.43	67.68	30.42	-90.47	103.20	-460.02	390.36	318.67	71.70	5.445		
9,100.00	7,132.87	7,117.72	7,117.02	70.13	30.42	-90.67	103.20	-460.03	482.04	412.86	69.18	6.968		
9,200.00	7,133.07	7,118.31	7,117.61	72.61	30.43	-90.86	103.20	-460.03	576.49	508.91	67.58	8.530		
9,300.00	7,133.26	7,118.91	7,118.21	75.13	30.43	-91.06	103.20	-460.03	672.54	606.03	66.51	10.112		
9,400.00	7,133.46	7,119.51	7,118.81	77.66	30.43	-91.26	103.20	-460.03	769.60	703.84	65.76	11.702		
9,500.00	7,133.65	7,120.12	7,119.43	80.22	30.43	-91.46	103.20	-460.04	867.33	802.11	65.22	13.298		
9,600.00	7,133.84	7,120.75	7,120.05	82.80	30.44	-91.67	103.19	-460.04	965.52	900.70	64.82	14.895		
9,700.00	7,134.04	7,121.37	7,120.67	85.40	30.44	-91.88	103.19	-460.04	1,064.05	999.54	64.52	16.493		
9,800.00	7,134.23	7,122.01	7,121.31	88.01	30.44	-92.09	103.19	-460.04	1,162.83	1,098.56	64.28	18.091		
9,900.00	7,134.43	7,122.66	7,121.96	90.64	30.44	-92.30	103.19	-460.05	1,261.81	1,197.72	64.09	19.688		
10,000.00	7,134.62	7,123.31	7,122.61	93.28	30.45	-92.52	103.19	-460.05	1,360.93	1,296.99	63.94	21.284		
10,100.00	7,134.81	7,123.97	7,123.27	95.94	30.45	-92.74	103.19	-460.05	1,460.17	1,396.35	63.82	22.878		
10,200.00	7,135.01	7,124.64	7,123.94	98.61	30.45	-92.96	103.18	-460.05	1,559.51	1,495.78	63.73	24.471		
10,300.00	7,135.20	7,125.32	7,124.62	101.28	30.46	-93.18	103.18	-460.06	1,658.93	1,595.27	63.65	26.062		
10,400.00	7,135.39	7,126.01	7,125.31	103.97	30.46	-93.41	103.18	-460.06	1,758.41	1,694.82	63.59	27.651		
10,500.00	7,135.59	7,126.71	7,126.01	106.67	30.46	-93.64	103.18	-460.06	1,857.95	1,794.40	63.54	29.239		
10,600.00	7,135.78	7,127.41	7,126.72	109.38	30.46	-93.87	103.18	-460.07	1,957.53	1,894.03	63.51	30.824		
10,700.00	7,135.98	7,128.13	7,127.43	112.09	30.47	-94.11	103.17	-460.07	2,057.16	1,993.68	63.48	32.407		
10,800.00	7,136.17	7,128.86	7,128.16	114.81	30.47	-94.35	103.17	-460.07	2,156.82	2,093.36	63.46	33.988		
10,900.00	7,136.36	7,129.59	7,128.89	117.54	30.47	-94.59	103.17	-460.07	2,256.51	2,193.06	63.45	35.566		
11,000.00	7,136.56	7,130.34	7,129.64	120.28	30.48	-94.83	103.17	-460.08	2,356.22	2,292.79	63.44	37.142		
11,100.00	7,136.75	7,131.10	7,130.40	123.02	30.48	-95.08	103.17	-460.08	2,455.96	2,392.53	63.44	38.715		
11,200.00	7,136.95	7,131.86	7,131.16	125.76	30.48	-95.33	103.16	-460.09	2,555.72	2,492.28	63.44	40.286		
11,300.00	7,137.14	7,132.64	7,131.94	128.52	30.49	-95.59	103.16	-460.09	2,655.50	2,592.05	63.45	41.854		
11,400.00	7,137.33	7,133.43	7,132.73	131.27	30.49	-95.85	103.16	-460.09	2,755.29	2,691.83	63.46	43.419		
11,500.00	7,137.53	7,134.23	7,133.53	134.03	30.49	-96.11	103.16	-460.10	2,855.10	2,791.63	63.47	44.982		
11,600.00	7,137.72	7,135.04	7,134.34	136.80	30.50	-96.37	103.16	-460.10	2,954.92	2,891.43	63.49	46.541		
11,700.00	7,137.92	7,135.87	7,135.17	139.57	30.50	-96.64	103.16	-460.10	3,054.75	2,991.24	63.51	48.097		
11,800.00	7,138.11	7,136.70	7,136.00	142.34	30.50	-96.92	103.15	-460.11	3,154.59	3,091.06	63.54	49.651		
11,900.00	7,138.30	7,137.55	7,136.85	145.12	30.51	-97.19	103.15	-460.11	3,254.44	3,190.88	63.56	51.201		
12,000.00	7,138.50	7,138.41	7,137.71	147.90	30.51	-97.47	103.15	-460.12	3,354.30	3,290.71	63.59	52.748		
12,100.00	7,138.69	7,139.29	7,138.59	150.68	30.52	-97.76	103.15	-460.12	3,454.17	3,390.55	63.62	54.292		
12,200.00	7,138.88	7,140.17	7,139.47	153.47	30.52	-98.04	103.15	-460.13	3,554.05	3,490.39	63.66	55.832		
12,300.00	7,139.08	7,141.07	7,140.37	156.26	30.52	-98.34	103.15	-460.13	3,653.93	3,590.24	63.69	57.369		
12,400.00	7,139.27	7,141.99	7,141.29	159.05	30.53	-98.63	103.14	-460.13	3,753.82	3,690.09	63.73	58.902		
12,500.00	7,139.47	7,142.91	7,142.22	161.85	30.53	-98.93	103.14	-460.14	3,853.71	3,789.94	63.77	60.432		
12,600.00	7,139.66	7,143.86	7,143.16	164.64	30.53	-99.24	103.14	-460.14	3,953.61	3,889.80	63.81	61.958		
12,700.00	7,139.85	7,144.81	7,144.11	167.44	30.54	-99.54	103.14	-460.15	4,053.51	3,989.66	63.85	63.481		
12,800.00	7,140.05	7,145.79	7,145.09	170.24	30.54	-99.86	103.14	-460.16	4,153.42	4,089.52	63.90	65.000		
12,900.00	7,140.24	7,146.77	7,146.07	173.05	30.55	-100.17	103.13	-460.16	4,253.34	4,189.39	63.95	66.515		
13,000.00	7,140.44	7,147.78	7,147.08	175.85	30.55	-100.49	103.13	-460.17	4,353.25	4,289.26	63.99	68.026		
13,100.00	7,140.63	7,148.80	7,148.10	178.66	30.56	-100.82	103.13	-460.17	4,453.17	4,389.13	64.04	69.533		
13,200.00	7,140.82	7,149.83	7,149.13	181.47	30.56	-101.15	103.13	-460.18	4,553.09	4,489.00	64.10	71.037		
13,300.00	7,141.02	7,150.89	7,150.19	184.28	30.56	-101.48	103.13	-460.18	4,653.02	4,588.87	64.15	72.536		
13,400.00	7,141.21	7,151.96	7,151.26	187.10	30.57	-101.82	103.13	-460.19	4,752.95	4,688.75	64.20	74.031		
13,500.00	7,141.41	7,153.05	7,152.35	189.91	30.57	-102.17	103.13	-460.20	4,852.88	4,788.62	64.26	75.522		
13,600.00	7,141.60	7,154.15	7,153.45	192.73	30.58	-102.52	103.12	-460.20	4,952.82	4,888.50	64.32	77.009		
13,700.00	7,141.79	7,155.28	7,154.58	195.54	30.58	-102.87	103.12	-460.21	5,052.75	4,988.38	64.37	78.491		
13,800.00	7,141.99	7,156.42	7,155.72	198.36	30.59	-103.23	103.12	-460.22	5,152.69	5,088.26	64.43	79.969		
13,900.00	7,142.18	7,157.59	7,156.89	201.18	30.59	-103.60	103.12	-460.22	5,252.63	5,188.14	64.49	81.443		
14,000.00	7,142.37	7,158.77	7,158.07	204.01	30.60	-103.97	103.12	-460.23	5,352.58	5,288.02	64.56	82.913		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,159.98	7,159.28	206.83	30.60	-104.34	103.12	-460.24	5,452.52	5,387.90	64.62	84.378		
14,200.00	7,142.76	7,161.20	7,160.51	209.65	30.61	-104.72	103.12	-460.25	5,552.47	5,487.79	64.69	85.838		
14,300.00	7,142.96	7,162.45	7,161.75	212.48	30.61	-105.11	103.11	-460.25	5,652.42	5,587.67	64.75	87.294		
14,400.00	7,143.15	7,163.73	7,163.03	215.30	30.62	-105.50	103.11	-460.26	5,752.37	5,687.55	64.82	88.746		
14,500.00	7,143.34	7,165.02	7,164.32	218.13	30.62	-105.89	103.11	-460.27	5,852.32	5,787.43	64.89	90.192		
14,600.00	7,143.54	7,166.34	7,165.64	220.96	30.63	-106.30	103.11	-460.28	5,952.28	5,887.32	64.96	91.634		
14,700.00	7,143.73	7,167.68	7,166.98	223.79	30.64	-106.71	103.11	-460.29	6,052.23	5,987.20	65.03	93.072		
14,800.00	7,143.93	7,169.05	7,168.35	226.62	30.64	-107.12	103.11	-460.30	6,152.19	6,087.09	65.10	94.504		
14,838.32	7,144.00	7,169.58	7,168.88	227.70	30.64	-107.28	103.11	-460.30	6,190.49	6,125.36	65.13	95.052		
14,900.00	7,144.12	7,170.44	7,169.74	229.45	30.65	-100.12	103.11	-460.31	6,252.12	6,186.95	65.17	95.933		
15,000.00	7,144.32	7,171.87	7,171.17	232.26	30.65	-96.10	103.11	-460.32	6,351.89	6,286.65	65.24	97.363		
15,027.81	7,144.37	7,172.27	7,171.57	233.04	30.66	-95.51	103.11	-460.32	6,379.59	6,314.34	65.26	97.761		
15,100.00	7,144.51	7,173.32	7,172.62	235.07	30.66	-95.61	103.11	-460.33	6,451.48	6,386.17	65.30	98.791		
15,200.00	7,144.71	7,174.81	7,174.11	237.87	30.67	-95.75	103.11	-460.34	6,551.06	6,485.69	65.37	100.213		
15,300.00	7,144.91	7,176.32	7,175.62	240.68	30.67	-95.90	103.11	-460.35	6,650.66	6,585.22	65.44	101.630		
15,400.00	7,145.10	7,177.85	7,177.15	243.48	30.68	-96.05	103.11	-460.36	6,750.27	6,684.76	65.51	103.042		
15,500.00	7,145.30	7,179.42	7,178.72	246.29	30.69	-96.20	103.11	-460.37	6,849.89	6,784.31	65.58	104.449		
15,600.00	7,145.50	7,181.02	7,180.32	249.10	30.69	-96.35	103.11	-460.38	6,949.52	6,883.87	65.65	105.851		
15,700.00	7,145.69	7,182.65	7,181.95	251.91	30.70	-96.51	103.10	-460.39	7,049.17	6,983.44	65.73	107.247		
15,800.00	7,145.89	7,184.31	7,183.61	254.71	30.71	-96.67	103.11	-460.41	7,148.82	7,083.01	65.80	108.638		
15,900.00	7,146.09	7,186.00	7,185.30	257.52	30.71	-96.83	103.11	-460.42	7,248.48	7,182.60	65.88	110.024		
16,000.00	7,146.28	7,187.72	7,187.02	260.34	30.72	-96.99	103.11	-460.43	7,348.15	7,282.19	65.96	111.405		
16,100.00	7,146.48	7,189.48	7,188.78	263.15	30.73	-97.16	103.11	-460.45	7,447.83	7,381.79	66.04	112.780		
16,200.00	7,146.68	7,191.28	7,190.58	265.96	30.74	-97.34	103.11	-460.46	7,547.52	7,481.40	66.12	114.150		
16,300.00	7,146.87	7,193.11	7,192.41	268.77	30.74	-97.51	103.11	-460.48	7,647.21	7,581.01	66.20	115.514		
16,400.00	7,147.07	7,194.98	7,194.28	271.58	30.75	-97.69	103.11	-460.49	7,746.91	7,680.63	66.28	116.873		
16,500.00	7,147.27	7,196.89	7,196.19	274.40	30.76	-97.87	103.11	-460.51	7,846.62	7,780.25	66.37	118.227		
16,600.00	7,147.46	7,198.84	7,198.14	277.21	30.77	-98.06	103.11	-460.52	7,946.34	7,879.88	66.45	119.575		
16,700.00	7,147.66	7,200.83	7,200.13	280.03	30.78	-98.25	103.11	-460.54	8,046.06	7,979.52	66.54	120.917		
16,800.00	7,147.86	7,202.86	7,202.16	282.84	30.79	-98.44	103.11	-460.56	8,145.79	8,079.16	66.63	122.254		
16,900.00	7,148.05	7,204.94	7,204.24	285.66	30.79	-98.64	103.12	-460.58	8,245.53	8,178.81	66.72	123.586		
17,000.00	7,148.25	7,207.07	7,206.36	288.48	30.80	-98.84	103.12	-460.60	8,345.27	8,278.46	66.81	124.911		
17,100.00	7,148.45	7,209.24	7,208.54	291.29	30.81	-99.05	103.12	-460.62	8,445.02	8,378.12	66.90	126.232		
17,200.00	7,148.64	7,211.46	7,210.76	294.11	30.82	-99.26	103.12	-460.64	8,544.77	8,477.78	66.99	127.546		
17,300.00	7,148.84	7,213.73	7,213.03	296.93	30.83	-99.48	103.13	-460.66	8,644.53	8,577.45	67.09	128.855		
17,400.00	7,149.04	7,216.05	7,215.35	299.75	30.84	-99.70	103.13	-460.68	8,744.30	8,677.12	67.18	130.158		
17,500.00	7,149.23	7,218.43	7,217.72	302.57	30.85	-99.92	103.14	-460.70	8,844.07	8,776.79	67.28	131.455		
17,600.00	7,149.43	7,220.86	7,220.16	305.39	30.86	-100.14	103.14	-460.72	8,943.84	8,876.56	67.38	132.752		
17,700.00	7,149.63	7,223.33	7,222.63	308.21	30.87	-100.37	103.14	-460.74	9,043.62	8,976.34	67.48	134.049		
17,800.00	7,149.82	7,225.84	7,225.14	311.03	30.88	-100.60	103.13	-460.76	9,143.41	9,076.13	67.58	135.346		
17,900.00	7,150.02	7,228.39	7,227.69	313.85	30.89	-100.83	103.13	-460.78	9,243.20	9,175.92	67.68	136.643		
18,000.00	7,150.22	7,230.97	7,230.27	316.67	30.90	-101.06	103.12	-460.80	9,343.00	9,275.72	67.78	137.940		
18,100.00	7,150.41	7,233.58	7,232.88	319.49	30.91	-101.29	103.12	-460.82	9,442.80	9,375.52	67.88	139.237		
18,200.00	7,150.61	7,236.23	7,235.53	322.32	30.92	-101.52	103.13	-460.84	9,542.60	9,475.32	67.98	140.534		
18,300.00	7,150.81	7,238.91	7,238.21	325.14	30.93	-101.75	103.13	-460.86	9,642.40	9,575.12	68.08	141.831		
18,400.00	7,151.00	7,241.63	7,240.93	327.96	30.94	-101.98	103.13	-460.88	9,742.21	9,674.92	68.18	143.128		
18,500.00	7,151.20	7,244.38	7,243.68	330.78	30.95	-102.21	103.13	-460.90	9,842.03	9,774.72	68.28	144.425		
18,600.00	7,151.40	7,247.16	7,246.46	333.61	30.96	-102.44	103.13	-460.92	9,941.85	9,874.52	68.38	145.722		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-118.90	-2,366.89	-4,288.11	4,897.99					
100.00	100.00	106.87	106.87	3.28	3.29	-118.90	-2,366.80	-4,287.90	4,897.78	4,891.21	6.57	745.157		
194.77	194.77	180.77	180.77	3.33	3.33	-118.90	-2,366.61	-4,287.85	4,897.61	4,890.95	6.66	735.336		
200.00	200.00	184.98	184.98	3.34	3.33	-118.90	-2,366.60	-4,287.86	4,897.61	4,890.94	6.67	734.537		
300.00	299.98	316.14	316.13	3.44	3.47	161.11	-2,365.73	-4,287.97	4,899.02	4,892.11	6.92	708.383		
400.00	399.84	417.84	417.83	3.60	3.64	161.11	-2,365.06	-4,287.50	4,903.25	4,896.01	7.24	677.258		
500.00	499.45	485.08	485.07	3.81	3.77	161.08	-2,364.91	-4,287.33	4,911.18	4,903.60	7.58	647.989		
600.00	598.70	586.32	586.31	4.06	4.00	161.06	-2,364.67	-4,287.54	4,922.78	4,914.72	8.06	610.958		
700.00	697.47	723.91	723.90	4.34	4.37	161.05	-2,363.59	-4,287.41	4,937.12	4,928.42	8.70	567.163		
785.50	781.43	809.96	809.94	4.61	4.62	161.02	-2,363.08	-4,286.86	4,951.67	4,942.45	9.22	536.769		
800.00	795.63	818.84	818.82	4.66	4.65	161.03	-2,363.05	-4,286.80	4,954.35	4,945.05	9.30	532.606		
900.00	893.55	895.91	895.89	5.02	4.89	161.09	-2,362.91	-4,286.40	4,973.06	4,963.19	9.87	503.752		
1,000.00	991.47	972.51	972.50	5.40	5.13	161.15	-2,362.92	-4,286.30	4,992.19	4,981.72	10.47	476.810		
1,100.00	1,089.39	1,061.74	1,061.72	5.80	5.43	161.22	-2,362.82	-4,286.59	5,011.67	5,000.54	11.14	450.045		
1,200.00	1,187.31	1,188.01	1,187.99	6.21	5.87	161.32	-2,362.15	-4,287.07	5,031.04	5,019.08	11.96	420.671		
1,300.00	1,285.22	1,282.45	1,282.42	6.64	6.21	161.40	-2,361.69	-4,287.00	5,050.02	5,037.32	12.69	397.863		
1,400.00	1,383.14	1,368.72	1,368.70	7.08	6.53	161.46	-2,361.71	-4,286.87	5,069.19	5,055.77	13.41	377.972		
1,500.00	1,481.06	1,448.29	1,448.26	7.52	6.82	161.52	-2,361.94	-4,286.90	5,088.64	5,074.52	14.12	360.482		
1,600.00	1,578.98	1,527.82	1,527.79	7.98	7.12	161.58	-2,362.23	-4,287.27	5,108.49	5,093.66	14.83	344.468		
1,700.00	1,676.90	1,614.19	1,614.16	8.44	7.45	161.64	-2,362.60	-4,287.89	5,128.61	5,113.03	15.58	329.180		
1,800.00	1,774.82	1,698.79	1,698.75	8.90	7.77	161.70	-2,363.20	-4,288.60	5,148.98	5,132.64	16.33	315.298		
1,900.00	1,872.74	1,785.30	1,785.26	9.37	8.11	161.76	-2,363.96	-4,289.49	5,169.58	5,152.48	17.10	302.389		
2,000.00	1,970.66	1,927.76	1,927.71	9.84	8.67	161.86	-2,364.93	-4,290.60	5,189.90	5,171.79	18.10	286.690		
2,100.00	2,068.57	2,068.13	2,068.08	10.32	9.23	161.95	-2,365.66	-4,290.58	5,209.49	5,190.38	19.11	272.590		
2,200.00	2,166.49	2,179.82	2,179.76	10.80	9.68	162.02	-2,365.58	-4,290.01	5,228.34	5,208.34	20.00	261.357		
2,300.00	2,264.41	2,261.20	2,261.14	11.28	10.00	162.08	-2,365.84	-4,289.50	5,247.30	5,226.52	20.77	252.604		
2,400.00	2,362.33	2,331.69	2,331.63	11.76	10.29	162.12	-2,366.52	-4,289.16	5,266.67	5,245.18	21.50	245.005		
2,500.00	2,460.25	2,400.00	2,399.94	12.24	10.57	162.16	-2,367.27	-4,289.28	5,286.66	5,264.45	22.21	238.018		
2,600.00	2,558.17	2,490.12	2,490.05	12.73	10.93	162.21	-2,368.15	-4,289.86	5,307.01	5,283.99	23.02	230.498		
2,700.00	2,656.09	2,611.32	2,611.24	13.22	11.43	162.29	-2,369.12	-4,290.47	5,327.18	5,303.21	23.98	222.162		
2,800.00	2,754.01	2,714.04	2,713.96	13.71	11.85	162.35	-2,370.00	-4,290.65	5,347.10	5,322.25	24.85	215.138		
2,900.00	2,851.92	2,806.10	2,806.01	14.20	12.23	162.40	-2,370.98	-4,290.72	5,367.03	5,341.34	25.68	208.964		
3,000.00	2,949.84	2,871.67	2,871.58	14.69	12.50	162.44	-2,371.74	-4,291.01	5,387.31	5,360.91	26.39	204.110		
3,100.00	3,047.76	2,990.12	2,990.02	15.18	12.99	162.51	-2,372.78	-4,292.03	5,407.87	5,380.53	27.35	197.743		
3,200.00	3,145.68	3,109.39	3,109.29	15.67	13.48	162.59	-2,373.49	-4,292.46	5,427.85	5,399.54	28.31	191.744		
3,300.00	3,243.60	3,178.83	3,178.72	16.17	13.77	162.63	-2,374.19	-4,292.67	5,447.95	5,418.91	29.04	187.607		
3,400.00	3,341.52	3,255.91	3,255.79	16.66	14.09	162.67	-2,375.19	-4,293.14	5,468.47	5,438.67	29.81	183.469		
3,500.00	3,439.44	3,376.78	3,376.65	17.16	14.59	162.74	-2,376.48	-4,294.21	5,489.18	5,458.40	30.78	178.339		
3,600.00	3,537.36	3,486.53	3,486.40	17.65	15.05	162.81	-2,376.97	-4,294.84	5,509.28	5,477.58	31.70	173.784		
3,700.00	3,635.27	3,586.32	3,586.19	18.15	15.47	162.87	-2,377.32	-4,295.39	5,529.35	5,496.77	32.58	169.721		
3,800.00	3,733.19	3,686.13	3,685.99	18.65	15.89	162.94	-2,377.62	-4,295.93	5,549.39	5,515.93	33.46	165.865		
3,900.00	3,831.11	3,785.94	3,785.81	19.14	16.30	163.00	-2,377.85	-4,296.46	5,569.40	5,535.07	34.34	162.201		
4,000.00	3,929.03	3,885.76	3,885.63	19.64	16.72	163.06	-2,378.02	-4,296.98	5,589.38	5,554.17	35.22	158.714		
4,100.00	4,026.95	3,985.59	3,985.45	20.14	17.14	163.12	-2,378.13	-4,297.50	5,609.33	5,573.24	36.10	155.392		
4,200.00	4,124.87	4,085.43	4,085.29	20.64	17.56	163.19	-2,378.18	-4,298.00	5,629.26	5,592.28	36.98	152.224		
4,300.00	4,222.79	4,185.28	4,185.14	21.14	17.98	163.25	-2,378.17	-4,298.49	5,649.15	5,611.29	37.86	149.200		
4,400.00	4,320.71	4,295.50	4,295.36	21.64	18.45	163.32	-2,377.94	-4,299.00	5,668.94	5,630.14	38.80	146.121		
4,500.00	4,418.62	4,400.68	4,400.54	22.14	18.89	163.39	-2,377.32	-4,299.46	5,688.55	5,648.84	39.71	143.270		
4,600.00	4,516.54	4,495.28	4,495.13	22.64	19.29	163.46	-2,376.61	-4,299.92	5,708.13	5,667.57	40.56	140.721		
4,700.00	4,614.46	4,584.87	4,584.72	23.14	19.58	163.50	-2,376.04	-4,300.48	5,727.98	5,686.68	41.30	138.690		
4,800.00	4,712.38	4,684.22	4,684.05	23.64	19.97	163.57	-2,375.16	-4,301.73	5,748.24	5,706.09	42.15	136.365		
4,900.00	4,810.30	4,770.76	4,770.58	24.14	20.45	163.65	-2,374.03	-4,302.97	5,768.28	5,725.18	43.10	133.831		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,878.82	4,878.63	24.64	20.91	163.73	-2,373.32	-4,303.74	5,788.14	5,744.12	44.03	131.467		
5,100.00	5,006.14	4,966.09	4,965.90	25.14	21.27	163.77	-2,373.80	-4,303.82	5,807.98	5,763.13	44.85	129.492		
5,200.00	5,104.06	5,046.82	5,046.63	25.64	21.62	163.81	-2,374.60	-4,303.97	5,828.08	5,782.44	45.64	127.686		
5,300.00	5,201.97	5,134.29	5,134.10	26.14	21.99	163.86	-2,375.33	-4,304.47	5,848.47	5,802.00	46.47	125.856		
5,400.00	5,299.89	5,232.64	5,232.44	26.64	22.40	163.91	-2,375.72	-4,305.26	5,868.87	5,821.52	47.35	123.947		
5,500.00	5,397.81	5,347.07	5,346.87	27.15	22.89	163.98	-2,376.21	-4,306.17	5,889.32	5,841.00	48.31	121.903		
5,600.00	5,495.73	5,458.12	5,457.92	27.65	23.36	164.03	-2,376.92	-4,306.26	5,909.18	5,859.93	49.26	119.968		
5,700.00	5,593.65	5,557.07	5,556.85	28.15	23.78	164.07	-2,378.46	-4,306.04	5,929.19	5,879.05	50.14	118.251		
5,800.00	5,691.57	5,654.80	5,654.57	28.65	24.19	164.11	-2,379.95	-4,305.67	5,949.06	5,898.04	51.02	116.605		
5,900.00	5,789.49	5,730.01	5,729.77	29.15	24.51	164.14	-2,380.97	-4,305.62	5,969.13	5,917.34	51.78	115.271		
6,000.00	5,887.41	5,800.00	5,799.75	29.66	24.81	164.17	-2,381.98	-4,305.98	5,989.72	5,937.20	52.52	114.046		
6,100.00	5,985.32	5,905.46	5,905.20	30.16	25.25	164.22	-2,383.11	-4,306.91	6,010.53	5,957.09	53.44	112.474		
6,200.00	6,083.24	6,055.62	6,055.36	30.66	25.89	164.31	-2,383.35	-4,307.88	6,030.72	5,976.14	54.59	110.480		
6,300.00	6,181.16	6,170.65	6,170.39	31.16	26.38	164.37	-2,383.38	-4,307.90	6,050.31	5,994.76	55.55	108.911		
6,400.00	6,279.08	6,336.16	6,263.57	31.67	27.08	164.41	-2,383.67	-4,307.70	6,069.83	6,013.12	56.72	107.022		
6,490.03	6,367.24	6,352.02	6,351.76	32.12	27.15	164.45	-2,384.13	-4,307.51	6,087.48	6,030.28	57.20	106.421		
6,500.00	6,377.01	6,361.79	6,361.53	32.17	27.19	165.46	-2,384.19	-4,307.49	6,089.37	6,032.08	57.29	106.292		
6,550.00	6,426.43	6,411.22	6,410.95	32.40	27.40	174.19	-2,384.45	-4,307.38	6,096.76	6,039.03	57.72	105.623		
6,600.00	6,476.27	6,461.05	6,460.79	32.61	27.61	-150.99	-2,384.71	-4,307.26	6,100.66	6,042.51	58.14	104.925		
6,650.00	6,526.21	6,510.98	6,510.72	32.80	27.82	-64.76	-2,384.98	-4,307.15	6,101.04	6,042.50	58.55	104.210		
6,700.00	6,575.96	6,560.70	6,560.44	32.98	28.03	-43.89	-2,385.24	-4,307.04	6,097.92	6,038.99	58.93	103.478		
6,750.00	6,625.19	6,609.91	6,609.64	33.16	28.24	-37.93	-2,385.50	-4,306.93	6,091.31	6,032.01	59.30	102.723		
6,800.00	6,673.62	6,658.30	6,658.03	33.35	28.45	-35.50	-2,385.76	-4,306.82	6,081.25	6,021.60	59.65	101.945		
6,850.00	6,720.94	6,705.57	6,705.30	33.55	28.65	-34.50	-2,386.01	-4,306.72	6,067.82	6,007.83	59.99	101.147		
6,900.00	6,766.86	6,751.44	6,751.17	33.76	28.84	-34.29	-2,386.26	-4,306.62	6,051.10	5,990.79	60.31	100.331		
6,950.00	6,811.10	6,795.61	6,795.34	33.98	29.03	-34.63	-2,386.49	-4,306.52	6,031.21	5,970.59	60.62	99.499		
7,000.00	6,853.38	6,837.82	6,837.55	34.23	29.21	-35.42	-2,386.71	-4,306.42	6,008.27	5,947.37	60.90	98.653		
7,050.00	6,893.45	6,877.81	6,877.54	34.50	29.38	-36.62	-2,386.93	-4,306.33	5,982.45	5,921.28	61.18	97.792		
7,100.00	6,931.05	6,915.32	6,915.05	34.79	29.54	-38.23	-2,387.13	-4,306.25	5,953.91	5,892.47	61.43	96.917		
7,150.00	6,965.96	6,950.14	6,949.87	35.12	29.69	-40.28	-2,387.31	-4,306.17	5,922.83	5,861.15	61.68	96.028		
7,200.00	6,997.96	6,982.04	6,981.77	35.47	29.82	-42.81	-2,387.48	-4,306.10	5,889.42	5,827.51	61.91	95.125		
7,250.00	7,026.85	7,010.83	7,010.55	35.86	29.95	-45.90	-2,387.63	-4,306.04	5,853.90	5,791.76	62.14	94.207		
7,300.00	7,052.45	7,036.32	7,036.05	36.29	30.06	-49.61	-2,387.77	-4,305.98	5,816.50	5,754.14	62.36	93.276		
7,350.00	7,074.61	7,058.37	7,058.10	36.76	30.15	-54.02	-2,387.89	-4,305.93	5,777.45	5,714.88	62.57	92.331		
7,400.00	7,093.19	7,076.84	7,076.56	37.27	30.23	-59.19	-2,387.98	-4,305.89	5,737.01	5,674.22	62.79	91.373		
7,450.00	7,108.07	7,091.61	7,091.33	37.81	30.29	-65.18	-2,388.06	-4,305.86	5,695.44	5,632.44	63.00	90.405		
7,500.00	7,119.17	7,102.59	7,102.31	38.39	30.34	-71.94	-2,388.12	-4,305.83	5,652.99	5,589.78	63.21	89.428		
7,550.00	7,126.41	7,109.71	7,109.44	38.99	30.37	-79.34	-2,388.16	-4,305.82	5,609.94	5,546.51	63.43	88.446		
7,600.00	7,129.75	7,112.94	7,112.66	39.62	30.38	-87.14	-2,388.17	-4,305.81	5,566.55	5,502.91	63.64	87.463		
7,616.41	7,130.00	7,113.14	7,112.87	39.83	30.38	-89.74	-2,388.18	-4,305.81	5,552.29	5,488.57	63.72	87.141		
7,700.00	7,130.16	7,113.11	7,112.83	40.97	30.38	-89.74	-2,388.18	-4,305.81	5,479.77	5,415.66	64.11	85.476		
7,800.00	7,130.35	7,113.07	7,112.79	42.46	30.38	-89.74	-2,388.18	-4,305.81	5,393.44	5,328.78	64.66	83.416		
7,900.00	7,130.55	7,113.03	7,112.75	44.09	30.38	-89.74	-2,388.18	-4,305.81	5,307.59	5,242.29	65.29	81.287		
8,000.00	7,130.74	7,112.99	7,112.71	45.84	30.38	-89.74	-2,388.18	-4,305.81	5,222.24	5,156.21	66.02	79.097		
8,100.00	7,130.94	7,112.95	7,112.67	47.70	30.38	-89.74	-2,388.17	-4,305.81	5,137.42	5,070.57	66.85	76.853		
8,200.00	7,131.13	7,112.91	7,112.63	49.65	30.38	-89.73	-2,388.17	-4,305.81	5,053.15	4,985.38	67.77	74.564		
8,300.00	7,131.32	7,112.87	7,112.59	51.70	30.38	-89.73	-2,388.17	-4,305.81	4,969.47	4,900.68	68.79	72.240		
8,400.00	7,131.52	7,112.83	7,112.55	53.81	30.38	-89.73	-2,388.17	-4,305.81	4,886.40	4,816.49	69.92	69.890		
8,500.00	7,131.71	7,112.79	7,112.51	55.99	30.38	-89.73	-2,388.17	-4,305.81	4,803.98	4,732.84	71.15	67.523		
8,600.00	7,131.90	7,112.75	7,112.47	58.24	30.38	-89.73	-2,388.17	-4,305.81	4,722.24	4,649.76	72.48	65.152		
8,700.00	7,132.10	7,112.71	7,112.43	60.53	30.38	-89.73	-2,388.17	-4,305.81	4,641.21	4,567.29	73.92	62.783		
8,800.00	7,132.29	7,112.67	7,112.39	62.87	30.38	-89.73	-2,388.17	-4,305.81	4,560.93	4,485.46	75.48	60.429		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,112.63	7,112.35	65.25	30.38	-89.73	-2,388.17	-4,305.81	4,481.45	4,404.31	77.14	58.096		
9,000.00	7,132.68	7,112.59	7,112.31	67.68	30.38	-89.73	-2,388.17	-4,305.81	4,402.81	4,323.89	78.91	55.794		
9,100.00	7,132.87	7,112.55	7,112.27	70.13	30.38	-89.73	-2,388.17	-4,305.81	4,325.04	4,244.25	80.80	53.529		
9,200.00	7,133.07	7,112.51	7,112.23	72.61	30.38	-89.73	-2,388.17	-4,305.81	4,248.21	4,165.41	82.80	51.308		
9,300.00	7,133.26	7,112.47	7,112.19	75.13	30.38	-89.73	-2,388.17	-4,305.81	4,172.36	4,087.45	84.91	49.138		
9,400.00	7,133.46	7,112.42	7,112.15	77.66	30.38	-89.72	-2,388.17	-4,305.81	4,097.55	4,010.41	87.14	47.024		
9,500.00	7,133.65	7,112.38	7,112.11	80.22	30.38	-89.72	-2,388.17	-4,305.81	4,023.83	3,934.35	89.48	44.969		
9,600.00	7,133.84	7,112.34	7,112.07	82.80	30.38	-89.72	-2,388.17	-4,305.81	3,951.26	3,859.32	91.94	42.977		
9,700.00	7,134.04	7,112.30	7,112.03	85.40	30.38	-89.72	-2,388.17	-4,305.81	3,879.92	3,785.41	94.51	41.052		
9,800.00	7,134.23	7,112.26	7,111.99	88.01	30.38	-89.72	-2,388.17	-4,305.81	3,809.86	3,712.66	97.20	39.196		
9,900.00	7,134.43	7,112.22	7,111.95	90.64	30.38	-89.72	-2,388.17	-4,305.81	3,741.17	3,641.17	100.00	37.410		
10,000.00	7,134.62	7,112.18	7,111.91	93.28	30.38	-89.72	-2,388.17	-4,305.81	3,673.92	3,571.00	102.92	35.696		
10,100.00	7,134.81	7,112.14	7,111.87	95.94	30.38	-89.72	-2,388.17	-4,305.81	3,608.18	3,502.23	105.95	34.055		
10,200.00	7,135.01	7,112.10	7,111.83	98.61	30.38	-89.72	-2,388.17	-4,305.81	3,544.04	3,434.95	109.09	32.487		
10,300.00	7,135.20	7,112.06	7,111.79	101.28	30.38	-89.72	-2,388.17	-4,305.81	3,481.60	3,369.26	112.34	30.991		
10,400.00	7,135.39	7,112.02	7,111.75	103.97	30.38	-89.72	-2,388.17	-4,305.81	3,420.94	3,305.25	115.69	29.569		
10,500.00	7,135.59	7,111.98	7,111.71	106.67	30.38	-89.71	-2,388.17	-4,305.81	3,362.16	3,243.01	119.15	28.218		
10,600.00	7,135.78	7,111.94	7,111.66	109.38	30.38	-89.71	-2,388.17	-4,305.81	3,305.36	3,182.67	122.70	26.939		
10,700.00	7,135.98	7,111.90	7,111.62	112.09	30.38	-89.71	-2,388.17	-4,305.81	3,250.65	3,124.31	126.34	25.730		
10,800.00	7,136.17	7,111.86	7,111.58	114.81	30.38	-89.71	-2,388.17	-4,305.81	3,198.13	3,068.07	130.06	24.590		
10,900.00	7,136.36	7,111.82	7,111.54	117.54	30.38	-89.71	-2,388.17	-4,305.81	3,147.91	3,014.06	133.85	23.518		
11,000.00	7,136.56	7,111.78	7,111.50	120.28	30.38	-89.71	-2,388.17	-4,305.81	3,100.10	2,962.39	137.70	22.513		
11,100.00	7,136.75	7,111.74	7,111.46	123.02	30.38	-89.71	-2,388.17	-4,305.81	3,054.82	2,913.21	141.61	21.572		
11,200.00	7,136.95	7,111.70	7,111.42	125.76	30.38	-89.71	-2,388.17	-4,305.81	3,012.18	2,866.62	145.55	20.695		
11,300.00	7,137.14	7,111.66	7,111.38	128.52	30.38	-89.71	-2,388.17	-4,305.81	2,972.29	2,822.77	149.52	19.879		
11,400.00	7,137.33	7,111.62	7,111.34	131.27	30.38	-89.71	-2,388.17	-4,305.81	2,935.27	2,781.78	153.49	19.124		
11,500.00	7,137.53	7,111.58	7,111.30	134.03	30.38	-89.71	-2,388.17	-4,305.81	2,901.22	2,743.77	157.45	18.427		
11,600.00	7,137.72	7,111.54	7,111.26	136.80	30.38	-89.71	-2,388.17	-4,305.81	2,870.26	2,708.88	161.38	17.786		
11,700.00	7,137.92	7,111.50	7,111.22	139.57	30.37	-89.70	-2,388.17	-4,305.81	2,842.48	2,677.22	165.26	17.200		
11,800.00	7,138.11	7,111.46	7,111.18	142.34	30.37	-89.70	-2,388.17	-4,305.81	2,817.97	2,648.90	169.07	16.667		
11,900.00	7,138.30	7,111.42	7,111.14	145.12	30.37	-89.70	-2,388.17	-4,305.81	2,796.83	2,624.03	172.80	16.186		
12,000.00	7,138.50	7,111.38	7,111.10	147.90	30.37	-89.70	-2,388.17	-4,305.81	2,779.13	2,602.72	176.41	15.754		
12,100.00	7,138.69	7,111.34	7,111.06	150.68	30.37	-89.70	-2,388.17	-4,305.81	2,764.93	2,585.04	179.89	15.370		
12,200.00	7,138.88	7,111.30	7,111.02	153.47	30.37	-89.70	-2,388.17	-4,305.81	2,754.30	2,571.07	183.23	15.032		
12,300.00	7,139.08	7,111.25	7,110.98	156.26	30.37	-89.70	-2,388.17	-4,305.81	2,747.26	2,560.86	186.40	14.739		
12,400.00	7,139.27	7,111.21	7,110.94	159.05	30.37	-89.70	-2,388.17	-4,305.81	2,743.85	2,554.47	189.38	14.488		
12,443.53	7,139.36	7,111.20	7,110.92	160.27	30.37	-89.70	-2,388.17	-4,305.81	2,743.51	2,552.89	190.62	14.392 CC		
12,500.00	7,139.47	7,111.17	7,110.90	161.85	30.37	-89.70	-2,388.17	-4,305.81	2,744.09	2,551.92	192.17	14.279 ES		
12,600.00	7,139.66	7,111.13	7,110.86	164.64	30.37	-89.70	-2,388.17	-4,305.81	2,747.97	2,553.21	194.75	14.110		
12,700.00	7,139.85	7,111.09	7,110.82	167.44	30.37	-89.70	-2,388.17	-4,305.81	2,755.47	2,558.35	197.12	13.979		
12,800.00	7,140.05	7,111.05	7,110.78	170.24	30.37	-89.70	-2,388.16	-4,305.81	2,766.57	2,567.31	199.26	13.884		
12,900.00	7,140.24	7,111.01	7,110.74	173.05	30.37	-89.69	-2,388.16	-4,305.81	2,781.23	2,580.04	201.18	13.825		
13,000.00	7,140.44	7,110.97	7,110.70	175.85	30.37	-89.69	-2,388.16	-4,305.81	2,799.38	2,596.51	202.87	13.799 SF		
13,100.00	7,140.63	7,110.93	7,110.66	178.66	30.37	-89.69	-2,388.16	-4,305.81	2,820.96	2,616.62	204.34	13.806		
13,200.00	7,140.82	7,110.89	7,110.62	181.47	30.37	-89.69	-2,388.16	-4,305.81	2,845.89	2,640.31	205.58	13.843		
13,300.00	7,141.02	7,110.85	7,110.58	184.28	30.37	-89.69	-2,388.16	-4,305.81	2,874.09	2,667.48	206.61	13.911		
13,400.00	7,141.21	7,110.81	7,110.54	187.10	30.37	-89.69	-2,388.16	-4,305.81	2,905.46	2,698.02	207.43	14.007		
13,500.00	7,141.41	7,110.77	7,110.50	189.91	30.37	-89.69	-2,388.16	-4,305.81	2,939.89	2,731.83	208.06	14.130		
13,600.00	7,141.60	7,110.73	7,110.45	192.73	30.37	-89.69	-2,388.16	-4,305.81	2,977.29	2,768.79	208.51	14.279		
13,700.00	7,141.79	7,110.69	7,110.41	195.54	30.37	-89.69	-2,388.16	-4,305.81	3,017.54	2,808.77	208.78	14.453		
13,800.00	7,141.99	7,110.65	7,110.37	198.36	30.37	-89.69	-2,388.16	-4,305.81	3,060.53	2,851.65	208.89	14.652		
13,900.00	7,142.18	7,110.61	7,110.33	201.18	30.37	-89.69	-2,388.16	-4,305.81	3,106.15	2,897.30	208.85	14.873		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,110.57	7,110.29	204.01	30.37	-89.69	-2,388.16	-4,305.81	3,154.28	2,945.60	208.67	15.116		
14,100.00	7,142.57	7,110.53	7,110.25	206.83	30.37	-89.68	-2,388.16	-4,305.81	3,204.80	2,996.42	208.38	15.380		
14,200.00	7,142.76	7,110.49	7,110.21	209.65	30.37	-89.68	-2,388.16	-4,305.81	3,257.61	3,049.64	207.97	15.664		
14,300.00	7,142.96	7,110.45	7,110.17	212.48	30.37	-89.68	-2,388.16	-4,305.81	3,312.60	3,105.14	207.47	15.967		
14,400.00	7,143.15	7,110.41	7,110.13	215.30	30.37	-89.68	-2,388.16	-4,305.81	3,369.66	3,162.79	206.87	16.289		
14,500.00	7,143.34	7,110.37	7,110.09	218.13	30.37	-89.68	-2,388.16	-4,305.81	3,428.69	3,222.49	206.21	16.628		
14,600.00	7,143.54	7,110.33	7,110.05	220.96	30.37	-89.68	-2,388.16	-4,305.81	3,489.59	3,284.12	205.47	16.983		
14,700.00	7,143.73	7,110.29	7,110.01	223.79	30.37	-89.68	-2,388.16	-4,305.81	3,552.26	3,347.58	204.68	17.355		
14,800.00	7,143.93	7,110.25	7,109.97	226.62	30.37	-89.68	-2,388.16	-4,305.81	3,616.60	3,412.77	203.84	17.743		
14,838.32	7,144.00	7,110.23	7,109.96	227.70	30.37	-89.68	-2,388.16	-4,305.81	3,641.69	3,438.19	203.50	17.895		
14,900.00	7,144.12	7,110.21	7,109.93	229.45	30.37	-89.68	-2,388.16	-4,305.81	3,682.04	3,479.10	202.95	18.143		
15,000.00	7,144.32	7,110.19	7,109.92	232.26	30.37	-89.69	-2,388.16	-4,305.81	3,746.59	3,544.61	201.98	18.549		
15,027.81	7,144.37	7,110.19	7,109.91	233.04	30.37	-89.69	-2,388.16	-4,305.81	3,764.35	3,562.64	201.70	18.663		
15,100.00	7,144.51	7,110.19	7,109.91	235.07	30.37	-89.69	-2,388.16	-4,305.81	3,810.73	3,609.77	200.96	18.963		
15,200.00	7,144.71	7,110.19	7,109.91	237.87	30.37	-89.69	-2,388.16	-4,305.81	3,876.29	3,676.39	199.91	19.390		
15,300.00	7,144.91	7,110.18	7,109.91	240.68	30.37	-89.69	-2,388.16	-4,305.81	3,943.30	3,744.47	198.83	19.832		
15,400.00	7,145.10	7,110.18	7,109.91	243.48	30.37	-89.69	-2,388.16	-4,305.81	4,011.68	3,813.94	197.74	20.288		
15,500.00	7,145.30	7,110.18	7,109.90	246.29	30.37	-89.69	-2,388.16	-4,305.82	4,081.36	3,884.73	196.63	20.757		
15,600.00	7,145.50	7,110.18	7,109.90	249.10	30.37	-89.69	-2,388.16	-4,305.82	4,152.28	3,956.77	195.51	21.238		
15,700.00	7,145.69	7,110.18	7,109.90	251.91	30.37	-89.69	-2,388.16	-4,305.82	4,224.38	4,029.99	194.39	21.731		
15,800.00	7,145.89	7,110.17	7,109.90	254.71	30.37	-89.69	-2,388.16	-4,305.82	4,297.60	4,104.33	193.27	22.236		
15,900.00	7,146.09	7,110.17	7,109.90	257.52	30.37	-89.69	-2,388.16	-4,305.82	4,371.88	4,179.73	192.15	22.752		
16,000.00	7,146.28	7,110.17	7,109.89	260.34	30.37	-89.69	-2,388.16	-4,305.82	4,447.17	4,256.13	191.04	23.279		
16,100.00	7,146.48	7,110.17	7,109.89	263.15	30.37	-89.69	-2,388.16	-4,305.82	4,523.41	4,333.48	189.93	23.816		
16,200.00	7,146.68	7,110.16	7,109.89	265.96	30.37	-89.69	-2,388.16	-4,305.82	4,600.56	4,411.73	188.83	24.364		
16,300.00	7,146.87	7,110.16	7,109.89	268.77	30.37	-89.69	-2,388.16	-4,305.82	4,678.58	4,490.84	187.74	24.921		
16,400.00	7,147.07	7,110.16	7,109.88	271.58	30.37	-89.69	-2,388.16	-4,305.82	4,757.43	4,570.76	186.66	25.487		
16,500.00	7,147.27	7,110.16	7,109.88	274.40	30.37	-89.69	-2,388.16	-4,305.82	4,837.05	4,651.45	185.60	26.062		
16,600.00	7,147.46	7,110.16	7,109.88	277.21	30.37	-89.69	-2,388.16	-4,305.82	4,917.42	4,732.87	184.55	26.646		
16,700.00	7,147.66	7,110.15	7,109.88	280.03	30.37	-89.69	-2,388.16	-4,305.82	4,998.50	4,814.99	183.51	27.238		
16,800.00	7,147.86	7,110.15	7,109.88	282.84	30.37	-89.69	-2,388.16	-4,305.82	5,080.25	4,897.76	182.49	27.839		
16,900.00	7,148.05	7,110.15	7,109.87	285.66	30.37	-89.69	-2,388.16	-4,305.82	5,162.64	4,981.16	181.48	28.447		
17,000.00	7,148.25	7,110.15	7,109.87	288.48	30.37	-89.69	-2,388.16	-4,305.82	5,245.65	5,065.15	180.50	29.062		
17,100.00	7,148.45	7,110.15	7,109.87	291.29	30.37	-89.69	-2,388.16	-4,305.82	5,329.24	5,149.71	179.53	29.685		
17,200.00	7,148.64	7,110.14	7,109.87	294.11	30.37	-89.69	-2,388.16	-4,305.82	5,413.38	5,234.81	178.57	30.315		
17,300.00	7,148.84	7,110.14	7,109.86	296.93	30.37	-89.69	-2,388.16	-4,305.82	5,498.06	5,320.42	177.64	30.951		
17,400.00	7,149.04	7,110.14	7,109.86	299.75	30.37	-89.69	-2,388.16	-4,305.82	5,583.25	5,406.53	176.72	31.594		
17,500.00	7,149.23	7,110.14	7,109.86	302.57	30.37	-89.69	-2,388.16	-4,305.82	5,668.91	5,493.10	175.82	32.243		
17,600.00	7,149.43	7,110.13	7,109.86	305.39	30.37	-89.69	-2,388.16	-4,305.82	5,755.04	5,580.11	174.94	32.898		
17,700.00	7,149.63	7,110.13	7,109.86	308.21	30.37	-89.69	-2,388.16	-4,305.82	5,841.62	5,667.55	174.07	33.559		
17,800.00	7,149.82	7,110.13	7,109.85	311.03	30.37	-89.69	-2,388.16	-4,305.82	5,928.61	5,755.39	173.22	34.225		
17,900.00	7,150.02	7,110.13	7,109.85	313.85	30.37	-89.69	-2,388.16	-4,305.82	6,016.01	5,843.62	172.39	34.897		
18,000.00	7,150.22	7,110.13	7,109.85	316.67	30.37	-89.69	-2,388.16	-4,305.82	6,103.80	5,932.22	171.58	35.574		
18,100.00	7,150.41	7,110.12	7,109.85	319.49	30.37	-89.69	-2,388.16	-4,305.82	6,191.96	6,021.17	170.78	36.256		
18,200.00	7,150.61	7,110.12	7,109.84	322.32	30.37	-89.69	-2,388.16	-4,305.82	6,280.47	6,110.46	170.00	36.943		
18,300.00	7,150.81	7,110.12	7,109.84	325.14	30.37	-89.69	-2,388.16	-4,305.82	6,369.32	6,200.08	169.24	37.635		
18,400.00	7,151.00	7,110.12	7,109.84	327.96	30.37	-89.69	-2,388.16	-4,305.82	6,458.50	6,290.00	168.49	38.331		
18,500.00	7,151.20	7,110.11	7,109.84	330.78	30.37	-89.69	-2,388.16	-4,305.82	6,547.99	6,380.22	167.76	39.031		
18,600.00	7,151.40	7,110.11	7,109.84	333.61	30.37	-89.69	-2,388.16	-4,305.82	6,637.78	6,470.73	167.05	39.736		
18,700.00	7,151.59	7,110.11	7,109.83	336.43	30.37	-89.69	-2,388.16	-4,305.82	6,727.86	6,561.51	166.35	40.445		
18,800.00	7,151.79	7,110.11	7,109.83	339.26	30.37	-89.69	-2,388.16	-4,305.82	6,818.21	6,652.55	165.66	41.157		
18,906.26	7,152.00	7,110.11	7,109.83	342.26	30.37	-89.69	-2,388.16	-4,305.82	6,914.52	6,749.56	164.95	41.919		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,400.00	7,133.46	10,137.00	7,280.66	77.66	71.26	-159.13	447.24	-11,188.58	9,984.80	9,885.05	99.75	100.099		
9,500.00	7,133.65	10,137.00	7,280.66	80.22	71.26	-159.13	447.24	-11,188.58	9,884.81	9,785.03	99.78	99.070		
9,600.00	7,133.84	10,137.00	7,280.66	82.80	71.26	-159.13	447.24	-11,188.58	9,784.82	9,685.01	99.80	98.040		
9,700.00	7,134.04	10,137.00	7,280.66	85.40	71.26	-159.13	447.24	-11,188.58	9,684.83	9,584.99	99.83	97.009		
9,800.00	7,134.23	10,137.00	7,280.66	88.01	71.26	-159.13	447.24	-11,188.58	9,584.84	9,484.97	99.87	95.978		
9,900.00	7,134.43	10,137.00	7,280.66	90.64	71.26	-159.13	447.24	-11,188.58	9,484.85	9,384.95	99.90	94.946		
10,000.00	7,134.62	10,137.00	7,280.66	93.28	71.26	-159.13	447.24	-11,188.58	9,384.86	9,284.93	99.93	93.913		
10,100.00	7,134.81	10,137.00	7,280.66	95.94	71.26	-159.13	447.24	-11,188.58	9,284.87	9,184.91	99.97	92.880		
10,200.00	7,135.01	10,137.00	7,280.66	98.61	71.26	-159.13	447.24	-11,188.58	9,184.89	9,084.88	100.00	91.847		
10,300.00	7,135.20	10,137.00	7,280.66	101.28	71.26	-159.13	447.24	-11,188.58	9,084.90	8,984.86	100.04	90.813		
10,400.00	7,135.39	10,137.00	7,280.66	103.97	71.26	-159.13	447.24	-11,188.58	8,984.91	8,884.83	100.08	89.779		
10,500.00	7,135.59	10,137.00	7,280.66	106.67	71.26	-159.13	447.24	-11,188.58	8,884.92	8,784.80	100.12	88.744		
10,600.00	7,135.78	10,137.00	7,280.66	109.38	71.26	-159.13	447.24	-11,188.58	8,784.94	8,684.78	100.16	87.709		
10,700.00	7,135.98	10,137.00	7,280.66	112.09	71.26	-159.13	447.24	-11,188.58	8,684.95	8,584.75	100.20	86.674		
10,800.00	7,136.17	10,137.00	7,280.66	114.81	71.26	-159.13	447.24	-11,188.58	8,584.96	8,484.72	100.25	85.638		
10,900.00	7,136.36	10,137.00	7,280.66	117.54	71.26	-159.13	447.24	-11,188.58	8,484.98	8,384.69	100.29	84.603		
11,000.00	7,136.56	10,137.00	7,280.66	120.28	71.26	-159.13	447.24	-11,188.58	8,384.99	8,284.65	100.34	83.567		
11,100.00	7,136.75	10,137.00	7,280.66	123.02	71.26	-159.13	447.24	-11,188.58	8,285.01	8,184.62	100.39	82.531		
11,200.00	7,136.95	10,137.00	7,280.66	125.76	71.26	-159.13	447.24	-11,188.58	8,185.02	8,084.59	100.44	81.494		
11,300.00	7,137.14	10,137.00	7,280.66	128.52	71.26	-159.13	447.24	-11,188.58	8,085.04	7,984.55	100.49	80.458		
11,400.00	7,137.33	10,137.00	7,280.66	131.27	71.26	-159.13	447.24	-11,188.58	7,985.05	7,884.51	100.54	79.422		
11,500.00	7,137.53	10,137.00	7,280.66	134.03	71.26	-159.13	447.24	-11,188.58	7,885.07	7,784.48	100.59	78.385		
11,600.00	7,137.72	10,137.00	7,280.66	136.80	71.26	-159.13	447.24	-11,188.58	7,785.09	7,684.44	100.65	77.349		
11,700.00	7,137.92	10,137.00	7,280.66	139.57	71.26	-159.13	447.24	-11,188.58	7,685.10	7,584.40	100.70	76.313		
11,800.00	7,138.11	10,137.00	7,280.66	142.34	71.26	-159.13	447.24	-11,188.58	7,585.12	7,484.36	100.76	75.277		
11,900.00	7,138.30	10,137.00	7,280.66	145.12	71.26	-159.13	447.24	-11,188.58	7,485.14	7,384.32	100.82	74.241		
12,000.00	7,138.50	10,137.00	7,280.66	147.90	71.26	-159.13	447.24	-11,188.58	7,385.16	7,284.27	100.88	73.205		
12,100.00	7,138.69	10,137.00	7,280.66	150.68	71.26	-159.13	447.24	-11,188.58	7,285.18	7,184.23	100.94	72.170		
12,200.00	7,138.88	10,137.00	7,280.66	153.47	71.26	-159.13	447.24	-11,188.58	7,185.20	7,084.19	101.01	71.135		
12,300.00	7,139.08	10,137.00	7,280.66	156.26	71.26	-159.13	447.24	-11,188.58	7,085.22	6,984.14	101.07	70.100		
12,400.00	7,139.27	10,137.00	7,280.66	159.05	71.26	-159.13	447.24	-11,188.58	6,985.24	6,884.10	101.14	69.065		
12,500.00	7,139.47	10,137.00	7,280.66	161.85	71.26	-159.13	447.24	-11,188.58	6,885.26	6,784.05	101.21	68.031		
12,600.00	7,139.66	10,137.00	7,280.66	164.64	71.26	-159.13	447.24	-11,188.58	6,785.28	6,684.00	101.28	66.997		
12,700.00	7,139.85	10,137.00	7,280.66	167.44	71.26	-159.13	447.24	-11,188.58	6,685.30	6,583.95	101.35	65.963		
12,800.00	7,140.05	10,137.00	7,280.66	170.24	71.26	-159.13	447.24	-11,188.58	6,585.33	6,483.90	101.42	64.930		
12,900.00	7,140.24	10,137.00	7,280.66	173.05	71.26	-159.13	447.24	-11,188.58	6,485.35	6,383.85	101.50	63.898		
13,000.00	7,140.44	10,137.00	7,280.66	175.85	71.26	-159.13	447.24	-11,188.58	6,385.38	6,283.80	101.57	62.866		
13,100.00	7,140.63	10,137.00	7,280.66	178.66	71.26	-159.13	447.24	-11,188.58	6,285.40	6,183.75	101.65	61.834		
13,200.00	7,140.82	10,137.00	7,280.66	181.47	71.26	-159.13	447.24	-11,188.58	6,185.43	6,083.70	101.73	60.803		
13,300.00	7,141.02	10,137.00	7,280.66	184.28	71.26	-159.13	447.24	-11,188.58	6,085.45	5,983.65	101.81	59.773		
13,400.00	7,141.21	10,137.00	7,280.66	187.10	71.26	-159.13	447.24	-11,188.58	5,985.48	5,883.59	101.89	58.744		
13,500.00	7,141.41	10,137.00	7,280.66	189.91	71.26	-159.13	447.24	-11,188.58	5,885.51	5,783.54	101.98	57.715		
13,600.00	7,141.60	10,137.00	7,280.66	192.73	71.26	-159.13	447.24	-11,188.58	5,785.54	5,683.48	102.06	56.686		
13,700.00	7,141.79	10,137.00	7,280.66	195.54	71.26	-159.13	447.24	-11,188.58	5,685.57	5,583.42	102.15	55.659		
13,800.00	7,141.99	10,137.00	7,280.66	198.36	71.26	-159.13	447.24	-11,188.58	5,585.61	5,483.37	102.24	54.632		
13,900.00	7,142.18	10,137.00	7,280.66	201.18	71.26	-159.13	447.24	-11,188.58	5,485.64	5,383.31	102.33	53.607		
14,000.00	7,142.37	10,137.00	7,280.66	204.01	71.26	-159.13	447.24	-11,188.58	5,385.67	5,283.25	102.43	52.581		
14,100.00	7,142.57	10,137.00	7,280.66	206.83	71.26	-159.13	447.24	-11,188.58	5,285.71	5,183.19	102.52	51.557		
14,200.00	7,142.76	10,137.00	7,280.66	209.65	71.26	-159.13	447.24	-11,188.58	5,185.75	5,083.13	102.62	50.534		
14,300.00	7,142.96	10,137.00	7,280.66	212.48	71.26	-159.13	447.24	-11,188.58	5,085.79	4,983.07	102.72	49.512		
14,400.00	7,143.15	10,137.00	7,280.66	215.30	71.26	-159.13	447.24	-11,188.58	4,985.83	4,883.00	102.82	48.490		
14,500.00	7,143.34	10,137.00	7,280.66	218.13	71.26	-159.13	447.24	-11,188.58	4,885.87	4,782.94	102.93	47.470		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,600.00	7,143.54	10,137.00	7,280.66	220.96	71.26	-159.13	447.24	-11,188.58	4,785.91	4,682.88	103.03	46.450		
14,700.00	7,143.73	10,137.00	7,280.66	223.79	71.26	-159.13	447.24	-11,188.58	4,685.96	4,582.81	103.14	45.432		
14,800.00	7,143.93	10,137.00	7,280.66	226.62	71.26	-159.13	447.24	-11,188.58	4,586.01	4,482.75	103.26	44.414		
14,838.32	7,144.00	10,137.00	7,280.66	227.70	71.26	-159.13	447.24	-11,188.58	4,547.70	4,444.40	103.30	44.024		
14,900.00	7,144.12	10,137.00	7,280.66	229.45	71.26	160.96	447.24	-11,188.58	4,486.05	4,382.69	103.36	43.400		
15,000.00	7,144.32	10,137.00	7,280.66	232.26	71.26	123.66	447.24	-11,188.58	4,386.14	4,282.70	103.45	42.400		
15,027.81	7,144.37	10,137.00	7,280.66	233.04	71.26	118.80	447.24	-11,188.58	4,358.38	4,254.92	103.46	42.125		
15,100.00	7,144.51	10,137.00	7,280.66	235.07	71.26	118.80	447.24	-11,188.58	4,286.34	4,182.83	103.51	41.411		
15,200.00	7,144.71	10,137.00	7,280.66	237.87	71.26	118.80	447.24	-11,188.58	4,186.56	4,082.98	103.58	40.420		
15,300.00	7,144.91	10,137.00	7,280.66	240.68	71.26	118.80	447.24	-11,188.58	4,086.78	3,983.13	103.65	39.428		
15,400.00	7,145.10	10,137.00	7,280.66	243.48	71.26	118.80	447.24	-11,188.58	3,987.02	3,883.28	103.74	38.435		
15,500.00	7,145.30	10,162.47	7,280.56	246.29	71.73	121.53	421.77	-11,188.73	3,887.05	3,782.60	104.45	37.213		
15,600.00	7,145.50	10,164.70	7,280.55	249.10	71.77	121.79	419.54	-11,188.75	3,787.27	3,682.68	104.59	36.210		
15,700.00	7,145.69	10,167.00	7,280.53	251.91	71.81	122.06	417.24	-11,188.78	3,687.50	3,582.76	104.74	35.206		
15,800.00	7,145.89	10,169.38	7,280.52	254.71	71.86	122.35	414.87	-11,188.81	3,587.74	3,482.84	104.89	34.203		
15,900.00	7,146.09	10,171.83	7,280.51	257.52	71.90	122.65	412.41	-11,188.85	3,487.99	3,382.93	105.06	33.200		
16,000.00	7,146.28	10,174.37	7,280.50	260.34	71.95	122.97	409.87	-11,188.88	3,388.24	3,283.01	105.23	32.197		
16,100.00	7,146.48	10,177.00	7,280.49	263.15	72.00	123.30	407.25	-11,188.93	3,288.51	3,183.09	105.42	31.195		
16,200.00	7,146.68	10,179.72	7,280.47	265.96	72.05	123.65	404.53	-11,188.97	3,188.79	3,083.18	105.62	30.192		
16,300.00	7,146.87	10,182.53	7,280.46	268.77	72.10	124.03	401.71	-11,189.02	3,089.08	2,983.26	105.83	29.190		
16,400.00	7,147.07	10,185.45	7,280.44	271.58	72.15	124.42	398.79	-11,189.08	2,989.39	2,883.34	106.05	28.189		
16,500.00	7,147.27	10,188.48	7,280.43	274.40	72.21	124.83	395.76	-11,189.14	2,889.71	2,783.42	106.29	27.188		
16,600.00	7,147.46	10,191.63	7,280.41	277.21	72.27	125.27	392.62	-11,189.21	2,790.05	2,683.51	106.54	26.188		
16,700.00	7,147.66	10,194.90	7,280.39	280.03	72.33	125.74	389.35	-11,189.29	2,690.40	2,583.59	106.81	25.188		
16,800.00	7,147.86	10,198.29	7,280.37	282.84	72.39	126.24	385.96	-11,189.37	2,590.77	2,483.67	107.10	24.189		
16,900.00	7,148.05	10,201.82	7,280.35	285.66	72.45	126.77	382.43	-11,189.46	2,491.16	2,383.74	107.42	23.192		
17,000.00	7,148.25	10,205.50	7,280.33	288.48	72.52	127.34	378.75	-11,189.57	2,391.57	2,283.82	107.75	22.195		
17,100.00	7,148.45	10,209.34	7,280.31	291.29	72.59	127.95	374.92	-11,189.68	2,292.01	2,183.89	108.11	21.200		
17,200.00	7,148.64	10,213.33	7,280.28	294.11	72.67	128.60	370.92	-11,189.80	2,192.47	2,083.96	108.50	20.206		
17,300.00	7,148.84	10,217.40	7,280.26	296.93	72.75	129.29	366.80	-11,190.00	2,093.05	1,984.09	108.97	19.208		
17,400.00	7,149.04	10,221.60	7,280.24	299.75	72.83	130.00	362.57	-11,190.25	1,993.53	1,884.16	109.53	18.228		
17,500.00	7,149.23	10,226.00	7,280.21	302.57	72.91	130.73	358.24	-11,190.55	1,894.06	1,784.22	109.84	17.243		
17,600.00	7,149.43	10,230.60	7,280.18	305.39	73.00	131.48	353.81	-11,190.90	1,794.65	1,684.23	110.41	16.254		
17,700.00	7,149.63	10,240.30	7,280.15	308.21	73.09	132.24	349.28	-11,191.30	1,695.28	1,584.36	111.02	15.284		
17,800.00	7,149.82	10,250.10	7,280.12	311.03	73.18	133.01	344.65	-11,191.75	1,595.93	1,484.51	111.74	14.323		
17,900.00	7,150.02	10,260.00	7,279.91	313.85	73.27	133.79	339.92	-11,192.25	1,496.61	1,384.64	112.59	13.367		
18,000.00	7,150.22	10,270.00	7,279.70	316.67	73.36	134.58	335.10	-11,192.80	1,397.32	1,284.77	113.59	12.415		
18,100.00	7,150.41	10,280.20	7,279.49	319.49	73.45	135.38	330.19	-11,193.40	1,298.09	1,184.89	114.74	11.467		
18,200.00	7,150.61	10,290.50	7,279.28	322.32	73.54	136.19	325.18	-11,194.05	1,198.92	1,084.99	116.04	10.524		
18,300.00	7,150.81	10,300.90	7,279.07	325.14	73.63	137.00	320.08	-11,194.75	1,099.83	985.09	117.54	9.585		
18,400.00	7,151.00	10,311.40	7,278.86	327.96	73.72	137.82	314.89	-11,195.50	1,000.87	885.18	119.24	8.651		
18,500.00	7,151.20	10,322.00	7,278.65	330.78	73.81	138.64	309.60	-11,196.30	902.07	785.25	121.14	7.722		
18,600.00	7,151.40	10,332.70	7,278.44	333.61	73.90	139.46	304.31	-11,197.15	803.49	685.30	123.24	6.798		
18,700.00	7,151.59	10,343.50	7,278.23	336.43	73.99	140.29	298.92	-11,198.05	705.25	585.32	125.54	5.880		
18,800.00	7,151.79	10,354.40	7,278.02	339.26	74.08	141.12	293.34	-11,199.00	607.58	485.20	128.04	4.965		
18,906.26	7,152.00	10,365.40	7,277.81	342.09	74.17	141.95	287.67	-11,199.99	509.89	385.08	130.74	4.051	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,133.07	10,609.00	7,183.05	72.61	80.64	-94.46	21.36	-10,936.06	9,933.57	9,824.93	108.64	91.435		
9,300.00	7,133.26	10,609.00	7,183.05	75.13	80.64	-94.46	21.36	-10,936.06	9,833.68	9,725.00	108.69	90.478		
9,400.00	7,133.46	10,609.00	7,183.05	77.66	80.64	-94.46	21.36	-10,936.06	9,733.80	9,625.07	108.73	89.520		
9,500.00	7,133.65	10,609.00	7,183.05	80.22	80.64	-94.46	21.36	-10,936.06	9,633.92	9,525.14	108.78	88.561		
9,600.00	7,133.84	10,609.00	7,183.05	82.80	80.64	-94.46	21.36	-10,936.06	9,534.04	9,425.20	108.84	87.601		
9,700.00	7,134.04	10,609.00	7,183.05	85.40	80.64	-94.46	21.36	-10,936.06	9,434.16	9,325.27	108.89	86.639		
9,800.00	7,134.23	10,609.00	7,183.05	88.01	80.64	-94.46	21.36	-10,936.06	9,334.29	9,225.34	108.95	85.676		
9,900.00	7,134.43	10,609.00	7,183.05	90.64	80.64	-94.46	21.36	-10,936.06	9,234.42	9,125.41	109.01	84.711		
10,000.00	7,134.62	10,609.00	7,183.05	93.28	80.64	-94.46	21.36	-10,936.06	9,134.55	9,025.48	109.08	83.746		
10,100.00	7,134.81	10,609.00	7,183.05	95.94	80.64	-94.46	21.36	-10,936.06	9,034.69	8,925.55	109.14	82.779		
10,200.00	7,135.01	10,581.73	7,183.51	98.61	80.12	-94.78	48.61	-10,936.78	8,934.72	8,826.15	108.57	82.298		
10,300.00	7,135.20	10,579.84	7,183.53	101.28	80.08	-94.81	50.50	-10,936.83	8,834.84	8,726.25	108.59	81.360		
10,400.00	7,135.39	10,577.92	7,183.55	103.97	80.04	-94.83	52.42	-10,936.89	8,734.97	8,626.35	108.62	80.420		
10,500.00	7,135.59	10,575.97	7,183.57	106.67	80.01	-94.86	54.37	-10,936.95	8,635.10	8,526.46	108.65	79.480		
10,600.00	7,135.78	10,573.99	7,183.59	109.38	79.97	-94.88	56.35	-10,937.01	8,535.23	8,426.56	108.68	78.538		
10,700.00	7,135.98	10,571.99	7,183.61	112.09	79.93	-94.91	58.35	-10,937.07	8,435.36	8,326.66	108.71	77.596		
10,800.00	7,136.17	10,569.95	7,183.63	114.81	79.89	-94.93	60.38	-10,937.13	8,335.50	8,226.76	108.74	76.653		
10,900.00	7,136.36	10,567.89	7,183.65	117.54	79.85	-94.96	62.45	-10,937.20	8,235.64	8,126.86	108.78	75.709		
11,000.00	7,136.56	10,565.79	7,183.66	120.28	79.81	-94.98	64.54	-10,937.26	8,135.77	8,026.95	108.82	74.764		
11,100.00	7,136.75	10,563.67	7,183.68	123.02	79.77	-95.01	66.67	-10,937.33	8,035.92	7,927.05	108.86	73.818		
11,200.00	7,136.95	10,561.51	7,183.69	125.76	79.73	-95.04	68.82	-10,937.40	7,936.06	7,827.15	108.90	72.872		
11,300.00	7,137.14	10,559.32	7,183.70	128.52	79.69	-95.06	71.01	-10,937.47	7,836.20	7,727.25	108.95	71.924		
11,400.00	7,137.33	10,557.09	7,183.71	131.27	79.65	-95.09	73.24	-10,937.55	7,736.35	7,627.35	109.00	70.977		
11,500.00	7,137.53	10,554.84	7,183.72	134.03	79.60	-95.12	75.49	-10,937.62	7,636.50	7,527.45	109.05	70.028		
11,600.00	7,137.72	10,552.54	7,183.73	136.80	79.56	-95.15	77.79	-10,937.70	7,536.65	7,427.55	109.10	69.079		
11,700.00	7,137.92	10,550.21	7,183.74	139.57	79.52	-95.18	80.11	-10,937.78	7,436.81	7,327.65	109.16	68.129		
11,800.00	7,138.11	10,547.85	7,183.74	142.34	79.47	-95.21	82.48	-10,937.87	7,336.96	7,227.75	109.21	67.179		
11,900.00	7,138.30	10,545.44	7,183.75	145.12	79.42	-95.24	84.88	-10,937.95	7,237.12	7,127.85	109.28	66.228		
12,000.00	7,138.50	10,543.00	7,183.75	147.90	79.38	-95.27	87.32	-10,938.04	7,137.28	7,027.95	109.34	65.277		
12,100.00	7,138.69	10,540.52	7,183.75	150.68	79.33	-95.30	89.80	-10,938.13	7,037.45	6,928.05	109.40	64.326		
12,200.00	7,138.88	10,538.00	7,183.74	153.47	79.28	-95.34	92.32	-10,938.22	6,937.62	6,828.14	109.47	63.374		
12,300.00	7,139.08	10,515.00	7,183.63	156.26	78.84	-95.64	115.30	-10,939.12	6,837.85	6,728.90	108.96	62.757		
12,400.00	7,139.27	10,515.00	7,183.63	159.05	78.84	-95.64	115.30	-10,939.12	6,738.01	6,628.91	109.10	61.761		
12,500.00	7,139.47	10,515.00	7,183.63	161.85	78.84	-95.64	115.30	-10,939.12	6,638.17	6,528.93	109.25	60.764		
12,600.00	7,139.66	10,515.00	7,183.63	164.64	78.84	-95.64	115.30	-10,939.12	6,538.34	6,428.94	109.40	59.766		
12,700.00	7,139.85	10,515.00	7,183.63	167.44	78.84	-95.64	115.30	-10,939.12	6,438.51	6,328.95	109.56	58.768		
12,800.00	7,140.05	12,800.00	7,183.55	170.24	123.56	-96.09	144.20	-10,940.12	6,338.62	6,183.61	155.01	40.892		
12,900.00	7,140.24	12,900.00	7,183.54	173.05	125.54	-96.19	149.70	-10,940.31	6,238.77	6,081.67	157.11	39.711		
13,000.00	7,140.44	13,000.00	7,183.52	175.85	127.53	-96.28	155.20	-10,940.50	6,138.93	5,979.72	159.20	38.560		
13,100.00	7,140.63	10,487.11	7,183.43	178.66	78.32	-96.05	143.17	-10,940.22	6,039.24	5,929.87	109.38	55.215		
13,200.00	7,140.82	10,446.39	7,183.33	181.47	77.54	-96.82	183.87	-10,941.62	5,939.40	5,831.13	108.26	54.860		
13,300.00	7,141.02	10,418.00	7,183.38	184.28	77.01	-97.51	212.25	-10,942.45	5,839.52	5,731.99	107.54	54.303		
13,400.00	7,141.21	10,412.71	7,183.40	187.10	76.91	-97.66	217.53	-10,942.60	5,739.64	5,632.11	107.52	53.380		
13,500.00	7,141.41	10,407.44	7,183.44	189.91	76.81	-97.82	222.80	-10,942.74	5,639.76	5,532.24	107.52	52.455		
13,600.00	7,141.60	10,402.19	7,183.48	192.73	76.71	-97.98	228.05	-10,942.89	5,539.87	5,432.36	107.51	51.530		
13,700.00	7,141.79	10,396.96	7,183.53	195.54	76.61	-98.15	233.28	-10,943.03	5,439.99	5,332.49	107.50	50.603		
13,800.00	7,141.99	10,391.75	7,183.59	198.36	76.52	-98.32	238.48	-10,943.17	5,340.11	5,232.61	107.50	49.676		
13,900.00	7,142.18	10,386.56	7,183.65	201.18	76.42	-98.51	243.67	-10,943.31	5,240.22	5,132.72	107.50	48.747		
14,000.00	7,142.37	10,381.40	7,183.73	204.01	76.32	-98.70	248.83	-10,943.44	5,140.34	5,032.84	107.50	47.818		
14,100.00	7,142.57	10,376.25	7,183.81	206.83	76.23	-98.91	253.97	-10,943.58	5,040.45	4,932.95	107.50	46.888		
14,200.00	7,142.76	10,371.12	7,183.90	209.65	76.13	-99.12	259.10	-10,943.72	4,940.57	4,833.07	107.50	45.958		
14,300.00	7,142.96	10,366.02	7,184.00	212.48	76.03	-99.34	264.20	-10,943.85	4,840.68	4,733.18	107.51	45.026		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,143.15	10,360.93	7,184.11	215.30	75.94	-99.58	269.28	-10,943.99	4,740.80	4,633.28	107.52	44.094		
14,500.00	7,143.34	10,355.87	7,184.22	218.13	75.84	-99.82	274.35	-10,944.12	4,640.91	4,533.39	107.52	43.161		
14,600.00	7,143.54	10,350.82	7,184.35	220.96	75.75	-100.08	279.39	-10,944.25	4,541.03	4,433.49	107.54	42.228		
14,700.00	7,143.73	10,345.79	7,184.48	223.79	75.66	-100.35	284.41	-10,944.38	4,441.14	4,333.59	107.55	41.294		
14,800.00	7,143.93	10,340.79	7,184.61	226.62	75.56	-100.64	289.41	-10,944.51	4,341.26	4,233.69	107.56	40.360		
14,838.32	7,144.00	10,338.87	7,184.67	227.70	75.53	-100.75	291.33	-10,944.56	4,302.98	4,195.41	107.57	40.002		
14,900.00	7,144.12	10,336.51	7,184.74	229.45	75.48	-109.62	293.69	-10,944.63	4,241.34	4,133.75	107.59	39.421		
15,000.00	7,144.32	10,335.69	7,184.76	232.26	75.47	134.12	294.50	-10,944.65	4,141.36	4,033.69	107.66	38.466		
15,027.81	7,144.37	10,336.13	7,184.75	233.04	75.48	115.82	294.07	-10,944.64	4,113.55	4,005.86	107.69	38.197		
15,100.00	7,144.51	10,337.63	7,184.70	235.07	75.50	116.22	292.57	-10,944.60	4,041.38	3,933.60	107.77	37.499		
15,200.00	7,144.71	10,339.70	7,184.64	237.87	75.54	116.81	290.50	-10,944.54	3,941.40	3,833.51	107.89	36.533		
15,300.00	7,144.91	10,341.76	7,184.59	240.68	75.58	117.41	288.44	-10,944.49	3,841.42	3,733.42	108.00	35.568		
15,400.00	7,145.10	10,343.81	7,184.53	243.48	75.62	118.05	286.39	-10,944.44	3,741.45	3,633.33	108.12	34.606		
15,500.00	7,145.30	10,345.86	7,184.47	246.29	75.66	118.71	284.35	-10,944.38	3,641.47	3,533.24	108.23	33.644		
15,600.00	7,145.50	10,347.90	7,184.42	249.10	75.70	119.40	282.31	-10,944.33	3,541.49	3,433.14	108.35	32.685		
15,700.00	7,145.69	10,349.93	7,184.37	251.91	75.73	120.12	280.28	-10,944.28	3,441.52	3,333.04	108.47	31.727		
15,800.00	7,145.89	10,351.95	7,184.32	254.71	75.77	120.87	278.26	-10,944.22	3,341.54	3,232.95	108.60	30.771		
15,900.00	7,146.09	10,353.97	7,184.27	257.52	75.81	121.66	276.24	-10,944.17	3,241.57	3,132.85	108.72	29.816		
16,000.00	7,146.28	10,355.98	7,184.22	260.34	75.85	122.49	274.24	-10,944.12	3,141.59	3,032.75	108.84	28.863		
16,100.00	7,146.48	10,357.98	7,184.18	263.15	75.88	123.35	272.24	-10,944.07	3,041.62	2,932.64	108.97	27.912		
16,200.00	7,146.68	10,359.97	7,184.13	265.96	75.92	124.26	270.25	-10,944.01	2,941.64	2,832.54	109.10	26.962		
16,300.00	7,146.87	10,361.96	7,184.09	268.77	75.96	125.21	268.26	-10,943.96	2,841.67	2,732.44	109.23	26.015		
16,400.00	7,147.07	10,363.93	7,184.05	271.58	76.00	126.20	266.28	-10,943.91	2,741.70	2,632.33	109.37	25.069		
16,500.00	7,147.27	10,365.91	7,184.00	274.40	76.03	127.25	264.31	-10,943.86	2,641.72	2,532.22	109.50	24.125		
16,600.00	7,147.46	10,367.87	7,183.97	277.21	76.07	128.34	262.35	-10,943.80	2,541.75	2,432.11	109.64	23.183		
16,700.00	7,147.66	10,369.83	7,183.93	280.03	76.11	129.50	260.39	-10,943.75	2,441.78	2,332.00	109.78	22.242		
16,800.00	7,147.86	10,371.78	7,183.89	282.84	76.14	130.71	258.45	-10,943.70	2,341.81	2,231.88	109.93	21.304		
16,900.00	7,148.05	10,373.72	7,183.86	285.66	76.18	131.98	256.50	-10,943.65	2,241.84	2,131.77	110.07	20.367		
17,000.00	7,148.25	10,375.65	7,183.82	288.48	76.21	133.31	254.57	-10,943.60	2,141.87	2,031.65	110.22	19.432		
17,100.00	7,148.45	10,377.58	7,183.79	291.29	76.25	134.71	252.64	-10,943.55	2,041.90	1,931.52	110.38	18.499		
17,200.00	7,148.64	10,379.50	7,183.76	294.11	76.29	136.19	250.72	-10,943.50	1,941.94	1,831.40	110.54	17.568		
17,300.00	7,148.84	10,381.42	7,183.73	296.93	76.32	137.73	248.81	-10,943.44	1,841.97	1,731.27	110.70	16.639		
17,400.00	7,149.04	10,383.32	7,183.70	299.75	76.36	139.36	246.90	-10,943.39	1,742.01	1,631.14	110.87	15.712		
17,500.00	7,149.23	10,385.22	7,183.67	302.57	76.39	141.06	245.00	-10,943.34	1,642.05	1,531.00	111.05	14.786		
17,600.00	7,149.43	10,387.12	7,183.65	305.39	76.43	142.85	243.11	-10,943.29	1,542.10	1,430.86	111.24	13.863		
17,700.00	7,149.63	10,389.00	7,183.62	308.21	76.46	144.73	241.23	-10,943.24	1,442.15	1,330.71	111.44	12.941		
17,800.00	7,149.82	10,390.88	7,183.60	311.03	76.50	146.69	239.35	-10,943.19	1,342.20	1,230.55	111.65	12.022		
17,900.00	7,150.02	10,392.76	7,183.57	313.85	76.53	148.74	237.47	-10,943.14	1,242.26	1,130.39	111.87	11.104		
18,000.00	7,150.22	10,394.62	7,183.55	316.67	76.57	150.87	235.61	-10,943.09	1,142.32	1,030.21	112.11	10.189		
18,100.00	7,150.41	10,396.48	7,183.53	319.49	76.60	153.10	233.75	-10,943.04	1,042.39	930.01	112.38	9.275		
18,200.00	7,150.61	10,398.34	7,183.51	322.32	76.64	155.41	231.90	-10,942.99	942.48	829.79	112.69	8.364		
18,300.00	7,150.81	10,400.18	7,183.50	325.14	76.67	157.80	230.05	-10,942.94	842.58	729.55	113.04	7.454		
18,400.00	7,151.00	10,402.02	7,183.48	327.96	76.71	160.28	228.21	-10,942.89	742.71	629.26	113.45	6.547		
18,500.00	7,151.20	10,403.85	7,183.46	330.78	76.74	162.82	226.38	-10,942.84	642.87	528.90	113.96	5.641		
18,600.00	7,151.40	10,405.68	7,183.45	333.61	76.78	165.43	224.56	-10,942.79	543.08	428.44	114.64	4.737		
18,700.00	7,151.59	10,407.50	7,183.44	336.43	76.81	168.10	222.74	-10,942.74	443.38	327.79	115.59	3.836		
18,800.00	7,151.79	10,409.31	7,183.42	339.26	76.84	170.81	220.92	-10,942.69	343.85	226.75	117.10	2.936		
18,906.26	7,152.00	10,411.23	7,183.41	342.26	76.88	173.73	219.01	-10,942.64	238.49	118.31	120.17	1.985 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,400.00	7,133.46	10,227.58	7,109.96	77.66	76.00	-82.88	203.02	-11,120.95	9,915.19	9,810.70	104.49	94.894		
9,500.00	7,133.65	10,225.84	7,109.99	80.22	75.97	-82.84	204.75	-11,120.97	9,815.24	9,710.76	104.48	93.944		
9,600.00	7,133.84	10,224.09	7,110.02	82.80	75.94	-82.80	206.50	-11,120.98	9,715.28	9,610.81	104.47	92.994		
9,700.00	7,134.04	10,222.33	7,110.05	85.40	75.90	-82.77	208.26	-11,121.00	9,615.33	9,510.86	104.47	92.042		
9,800.00	7,134.23	10,220.55	7,110.08	88.01	75.87	-82.73	210.04	-11,121.02	9,515.37	9,410.91	104.46	91.089		
9,900.00	7,134.43	10,218.76	7,110.11	90.64	75.83	-82.69	211.83	-11,121.03	9,415.42	9,310.96	104.46	90.135		
10,000.00	7,134.62	10,216.95	7,110.14	93.28	75.80	-82.65	213.64	-11,121.05	9,315.47	9,211.01	104.46	89.180		
10,100.00	7,134.81	10,215.12	7,110.18	95.94	75.77	-82.61	215.47	-11,121.07	9,215.51	9,111.06	104.46	88.224		
10,200.00	7,135.01	10,213.28	7,110.21	98.61	75.73	-82.57	217.31	-11,121.09	9,115.56	9,011.11	104.46	87.267		
10,300.00	7,135.20	10,211.42	7,110.25	101.28	75.70	-82.53	219.17	-11,121.11	9,015.61	8,911.15	104.46	86.309		
10,400.00	7,135.39	10,209.55	7,110.28	103.97	75.66	-82.48	221.04	-11,121.13	8,915.66	8,811.20	104.46	85.350		
10,500.00	7,135.59	10,207.65	7,110.32	106.67	75.62	-82.44	222.93	-11,121.15	8,815.71	8,711.24	104.46	84.391		
10,600.00	7,135.78	10,205.75	7,110.35	109.38	75.59	-82.39	224.84	-11,121.17	8,715.76	8,611.29	104.47	83.430		
10,700.00	7,135.98	10,203.82	7,110.39	112.09	75.55	-82.35	226.77	-11,121.19	8,615.81	8,511.33	104.47	82.469		
10,800.00	7,136.17	10,201.88	7,110.43	114.81	75.51	-82.30	228.71	-11,121.21	8,515.86	8,411.38	104.48	81.506		
10,900.00	7,136.36	10,199.92	7,110.47	117.54	75.48	-82.25	230.67	-11,121.23	8,415.91	8,311.42	104.49	80.543		
11,000.00	7,136.56	10,197.94	7,110.50	120.28	75.44	-82.20	232.65	-11,121.25	8,315.96	8,211.46	104.50	79.580		
11,100.00	7,136.75	10,195.94	7,110.54	123.02	75.40	-82.15	234.64	-11,121.27	8,216.01	8,111.50	104.51	78.615		
11,200.00	7,136.95	10,193.93	7,110.58	125.76	75.36	-82.10	236.66	-11,121.30	8,116.06	8,011.54	104.52	77.650		
11,300.00	7,137.14	10,191.90	7,110.63	128.52	75.32	-82.05	238.69	-11,121.32	8,016.11	7,911.58	104.53	76.685		
11,400.00	7,137.33	10,189.84	7,110.67	131.27	75.29	-82.00	240.74	-11,121.34	7,916.17	7,811.62	104.55	75.718		
11,500.00	7,137.53	10,187.77	7,110.71	134.03	75.25	-81.94	242.81	-11,121.37	7,816.22	7,711.66	104.56	74.752		
11,600.00	7,137.72	10,185.68	7,110.75	136.80	75.21	-81.89	244.90	-11,121.39	7,716.28	7,611.70	104.58	73.784		
11,700.00	7,137.92	10,183.57	7,110.80	139.57	75.17	-81.83	247.01	-11,121.42	7,616.33	7,511.73	104.60	72.816		
11,800.00	7,138.11	10,181.44	7,110.84	142.34	75.13	-81.77	249.14	-11,121.44	7,516.39	7,411.77	104.61	71.848		
11,900.00	7,138.30	11,900.00	7,111.36	145.12	108.27	-80.63	282.69	-11,121.79	7,416.44	7,278.16	138.27	53.636		
12,000.00	7,138.50	12,000.00	7,111.38	147.90	110.22	-80.52	285.58	-11,121.82	7,316.48	7,176.19	140.29	52.151		
12,100.00	7,138.69	12,100.00	7,111.41	150.68	112.17	-80.39	288.48	-11,121.84	7,216.52	7,074.21	142.31	50.709		
12,200.00	7,138.88	12,200.00	7,111.44	153.47	114.12	-80.27	291.37	-11,121.86	7,116.57	6,972.23	144.33	49.306		
12,300.00	7,139.08	12,300.00	7,111.47	156.26	116.08	-80.14	294.26	-11,121.89	7,016.61	6,870.25	146.36	47.942		
12,400.00	7,139.27	10,179.76	7,110.84	159.05	75.09	-81.71	250.82	-11,121.45	6,916.73	6,811.68	105.05	65.845		
12,500.00	7,139.47	10,165.74	7,111.19	161.85	74.83	-81.30	264.84	-11,121.65	6,816.79	6,712.02	104.77	65.064		
12,600.00	7,139.66	10,152.89	7,111.46	164.64	74.59	-80.87	277.68	-11,121.81	6,716.84	6,612.32	104.52	64.261		
12,700.00	7,139.85	10,141.07	7,111.66	167.44	74.36	-80.42	289.50	-11,121.94	6,616.90	6,512.59	104.30	63.439		
12,800.00	7,140.05	10,130.15	7,111.82	170.24	74.16	-79.94	300.42	-11,122.05	6,516.95	6,412.84	104.10	62.601		
12,900.00	7,140.24	10,120.04	7,111.93	173.05	73.97	-79.44	310.53	-11,122.14	6,416.99	6,313.07	103.92	61.747		
13,000.00	7,140.44	10,110.66	7,112.02	175.85	73.79	-78.92	319.91	-11,122.22	6,317.03	6,213.27	103.76	60.880		
13,100.00	7,140.63	10,101.92	7,112.07	178.66	73.63	-78.37	328.65	-11,122.28	6,217.07	6,113.46	103.62	60.001		
13,200.00	7,140.82	10,093.76	7,112.10	181.47	73.47	-77.81	336.81	-11,122.33	6,117.11	6,013.62	103.48	59.111		
13,300.00	7,141.02	10,086.13	7,112.12	184.28	73.33	-77.22	344.44	-11,122.37	6,017.14	5,913.78	103.37	58.212		
13,400.00	7,141.21	10,078.98	7,112.11	187.10	73.19	-76.62	351.59	-11,122.40	5,917.18	5,813.92	103.26	57.303		
13,500.00	7,141.41	10,072.26	7,112.10	189.91	73.07	-75.99	358.31	-11,122.42	5,817.21	5,714.04	103.17	56.387		
13,600.00	7,141.60	10,068.20	7,112.08	192.73	72.99	-75.58	362.37	-11,122.43	5,717.24	5,614.10	103.14	55.431		
13,700.00	7,141.79	10,064.78	7,112.07	195.54	72.93	-75.21	365.79	-11,122.44	5,617.27	5,514.13	103.14	54.465		
13,800.00	7,141.99	10,061.41	7,112.06	198.36	72.87	-74.83	369.16	-11,122.45	5,517.30	5,414.16	103.13	53.498		
13,900.00	7,142.18	10,058.09	7,112.05	201.18	72.80	-74.45	372.47	-11,122.46	5,417.32	5,314.20	103.13	52.530		
14,000.00	7,142.37	10,054.83	7,112.04	204.01	72.74	-74.04	375.74	-11,122.47	5,317.35	5,214.22	103.13	51.560		
14,100.00	7,142.57	10,051.62	7,112.03	206.83	72.68	-73.63	378.95	-11,122.47	5,217.38	5,114.25	103.13	50.590		
14,200.00	7,142.76	10,048.46	7,112.02	209.65	72.63	-73.20	382.11	-11,122.48	5,117.41	5,014.28	103.13	49.620		
14,300.00	7,142.96	10,045.35	7,112.01	212.48	72.57	-72.75	385.22	-11,122.48	5,017.44	4,914.30	103.14	48.648		
14,400.00	7,143.15	10,042.28	7,112.00	215.30	72.51	-72.29	388.28	-11,122.49	4,917.46	4,814.32	103.14	47.676		
14,500.00	7,143.34	10,039.26	7,111.99	218.13	72.46	-71.81	391.30	-11,122.49	4,817.49	4,714.34	103.15	46.703		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,600.00	7,143.54	10,036.29	7,111.98	220.96	72.40	-71.32	394.27	-11,122.49	4,717.52	4,614.35	103.16	45.729		
14,700.00	7,143.73	10,033.37	7,111.98	223.79	72.35	-70.81	397.20	-11,122.50	4,617.54	4,514.37	103.17	44.755		
14,800.00	7,143.93	10,030.48	7,111.97	226.62	72.29	-70.27	400.08	-11,122.50	4,517.57	4,414.38	103.19	43.781		
14,838.32	7,144.00	10,029.39	7,111.97	227.70	72.27	-70.06	401.18	-11,122.50	4,479.26	4,376.07	103.19	43.408		
14,900.00	7,144.12	10,028.52	7,111.96	229.45	72.26	-1.51	402.04	-11,122.50	4,417.58	4,314.37	103.22	42.799		
15,000.00	7,144.32	10,030.85	7,111.97	232.26	72.30	77.02	399.72	-11,122.50	4,317.61	4,214.28	103.33	41.784		
15,027.81	7,144.37	10,032.31	7,111.97	233.04	72.33	79.68	398.26	-11,122.50	4,289.82	4,186.44	103.38	41.496		
15,100.00	7,144.51	10,036.52	7,111.99	235.07	72.40	79.46	394.05	-11,122.49	4,217.70	4,114.19	103.51	40.747		
15,200.00	7,144.71	10,042.28	7,112.00	237.87	72.51	79.14	388.28	-11,122.49	4,117.81	4,014.11	103.69	39.712		
15,300.00	7,144.91	10,047.96	7,112.02	240.68	72.62	78.80	382.60	-11,122.48	4,017.91	3,914.03	103.87	38.681		
15,400.00	7,145.10	10,053.56	7,112.04	243.48	72.72	78.45	377.00	-11,122.47	3,918.00	3,813.95	104.05	37.654		
15,500.00	7,145.30	10,059.08	7,112.05	246.29	72.82	78.08	371.48	-11,122.46	3,818.10	3,713.87	104.23	36.631		
15,600.00	7,145.50	10,064.53	7,112.07	249.10	72.92	77.69	366.04	-11,122.44	3,718.20	3,613.79	104.41	35.612		
15,700.00	7,145.69	10,069.89	7,112.09	251.91	73.02	77.28	360.67	-11,122.43	3,618.29	3,513.71	104.59	34.596		
15,800.00	7,145.89	10,076.43	7,112.11	254.71	73.15	76.74	354.14	-11,122.41	3,518.39	3,413.58	104.80	33.571		
15,900.00	7,146.09	10,083.06	7,112.12	257.52	73.27	76.14	347.51	-11,122.38	3,418.48	3,313.45	105.03	32.548		
16,000.00	7,146.28	10,089.47	7,112.11	260.34	73.39	75.50	341.10	-11,122.35	3,318.57	3,213.32	105.25	31.531		
16,100.00	7,146.48	10,095.66	7,112.10	263.15	73.51	74.83	334.91	-11,122.32	3,218.65	3,113.19	105.46	30.519		
16,200.00	7,146.68	10,101.64	7,112.07	265.96	73.62	74.11	328.93	-11,122.28	3,118.74	3,013.06	105.67	29.513		
16,300.00	7,146.87	10,107.43	7,112.04	268.77	73.73	73.35	323.14	-11,122.24	3,018.82	2,912.94	105.88	28.512		
16,400.00	7,147.07	10,113.03	7,112.00	271.58	73.83	72.54	317.54	-11,122.20	2,918.90	2,812.82	106.08	27.516		
16,500.00	7,147.27	10,118.45	7,111.95	274.40	73.94	71.67	312.12	-11,122.16	2,818.98	2,712.70	106.28	26.525		
16,600.00	7,147.46	10,123.70	7,111.90	277.21	74.04	70.75	306.87	-11,122.11	2,719.05	2,612.59	106.47	25.539		
16,700.00	7,147.66	10,128.79	7,111.84	280.03	74.13	69.77	301.78	-11,122.07	2,619.13	2,512.47	106.66	24.557		
16,800.00	7,147.86	10,133.73	7,111.77	282.84	74.22	68.72	296.84	-11,122.02	2,519.20	2,412.36	106.84	23.580		
16,900.00	7,148.05	10,138.52	7,111.70	285.66	74.31	67.60	292.05	-11,121.97	2,419.28	2,312.26	107.02	22.606		
17,000.00	7,148.25	10,143.16	7,111.63	288.48	74.40	66.40	287.41	-11,121.92	2,319.35	2,212.16	107.19	21.637		
17,100.00	7,148.45	10,147.68	7,111.55	291.29	74.49	65.12	282.89	-11,121.87	2,219.42	2,112.06	107.36	20.672		
17,200.00	7,148.64	10,152.06	7,111.47	294.11	74.57	63.75	278.51	-11,121.82	2,119.49	2,011.96	107.53	19.711		
17,300.00	7,148.84	10,156.32	7,111.39	296.93	74.65	62.27	274.25	-11,121.77	2,019.56	1,911.87	107.69	18.754		
17,400.00	7,149.04	10,160.46	7,111.30	299.75	74.73	60.69	270.11	-11,121.72	1,919.63	1,811.79	107.84	17.800		
17,500.00	7,149.23	10,164.49	7,111.22	302.57	74.80	58.99	266.09	-11,121.66	1,819.71	1,711.71	107.99	16.850		
17,600.00	7,149.43	10,168.41	7,111.13	305.39	74.88	57.17	262.17	-11,121.61	1,719.78	1,611.64	108.14	15.903		
17,700.00	7,149.63	10,172.22	7,111.04	308.21	74.95	55.21	258.36	-11,121.56	1,619.85	1,511.58	108.28	14.960		
17,800.00	7,149.82	10,175.94	7,110.94	311.03	75.02	53.11	254.64	-11,121.50	1,519.93	1,411.52	108.41	14.021		
17,900.00	7,150.02	10,179.55	7,110.85	313.85	75.09	50.85	251.03	-11,121.45	1,420.01	1,311.48	108.53	13.084		
18,000.00	7,150.22	10,183.08	7,110.75	316.67	75.16	48.43	247.51	-11,121.40	1,320.09	1,211.45	108.64	12.151		
18,100.00	7,150.41	10,186.53	7,110.62	319.49	75.15	46.86	244.98	-11,121.39	1,220.21	1,111.73	108.74	11.248		
18,200.00	7,150.61	10,189.60	7,110.50	322.32	75.20	45.60	242.98	-11,121.39	1,120.31	1,011.78	108.83	10.322		
18,300.00	7,150.81	10,192.22	7,110.39	325.14	75.26	44.11	241.87	-11,121.36	1,020.43	911.85	108.91	9.399		
18,400.00	7,151.00	10,194.44	7,110.30	327.96	75.32	41.36	238.71	-11,121.32	920.56	811.96	109.00	8.477		
18,500.00	7,151.20	10,196.26	7,110.22	330.78	75.38	38.33	235.51	-11,121.28	820.70	712.10	109.08	7.557		
18,600.00	7,151.40	10,197.68	7,110.15	333.61	75.45	34.99	232.26	-11,121.25	720.88	612.29	109.15	6.639		
18,700.00	7,151.59	10,201.62	7,110.43	336.43	75.51	31.31	228.97	-11,121.21	621.09	512.56	109.21	5.723		
18,800.00	7,151.79	10,204.96	7,110.37	339.26	75.57	27.28	225.63	-11,121.17	521.36	412.93	109.26	4.808		
18,906.26	7,152.00	10,208.56	7,110.30	342.26	75.64	22.60	222.03	-11,121.14	415.49	307.22	109.27	3.838 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-144.07	-2,522.75	-1,828.40	3,115.73					
100.00	100.00	79.00	79.00	3.28	3.56	-144.07	-2,522.75	-1,828.40	3,115.66	3,108.81	6.84	455.320		
200.00	200.00	179.00	179.00	3.34	5.57	-144.07	-2,522.75	-1,828.40	3,115.66	3,106.75	8.91	349.748		
300.00	299.98	278.98	278.98	3.44	8.64	135.94	-2,522.75	-1,828.40	3,116.91	3,104.83	12.08	257.945		
400.00	399.84	378.84	378.84	3.60	11.94	135.95	-2,522.75	-1,828.40	3,120.67	3,105.13	15.54	200.821		
500.00	499.45	478.45	478.45	3.81	15.31	135.98	-2,522.75	-1,828.40	3,126.95	3,107.83	19.12	163.557		
600.00	598.70	577.70	577.70	4.06	18.71	136.01	-2,522.75	-1,828.40	3,135.75	3,112.98	22.77	137.741		
700.00	697.47	676.47	676.47	4.34	22.11	136.05	-2,522.75	-1,828.40	3,147.07	3,120.62	26.45	118.961		
785.50	781.43	760.43	760.43	4.61	25.02	136.08	-2,522.75	-1,828.40	3,158.77	3,129.14	29.63	106.606		
800.00	795.63	774.63	774.63	4.66	25.51	136.12	-2,522.75	-1,828.40	3,160.91	3,130.74	30.17	104.763		
900.00	893.55	872.55	872.55	5.02	28.90	136.37	-2,522.75	-1,828.40	3,175.72	3,141.81	33.91	93.655		
1,000.00	991.47	970.47	970.47	5.40	32.30	136.62	-2,522.75	-1,828.40	3,190.58	3,152.91	37.67	84.692		
1,100.00	1,089.39	1,068.39	1,068.39	5.80	35.70	136.87	-2,522.75	-1,828.40	3,205.51	3,164.05	41.46	77.318		
1,200.00	1,187.31	1,166.31	1,166.31	6.21	39.11	137.11	-2,522.75	-1,828.40	3,220.50	3,175.23	45.26	71.153		
1,300.00	1,285.22	1,264.22	1,264.22	6.64	42.52	137.35	-2,522.75	-1,828.40	3,235.54	3,186.46	49.08	65.925		
1,400.00	1,383.14	1,362.14	1,362.14	7.08	45.92	137.59	-2,522.75	-1,828.40	3,250.64	3,197.73	52.91	61.440		
1,500.00	1,481.06	1,460.06	1,460.06	7.52	49.33	137.83	-2,522.75	-1,828.40	3,265.80	3,209.05	56.74	57.552		
1,600.00	1,578.98	1,557.98	1,557.98	7.98	52.75	138.07	-2,522.75	-1,828.40	3,281.01	3,220.42	60.59	54.151		
1,700.00	1,676.90	1,655.90	1,655.90	8.44	56.16	138.30	-2,522.75	-1,828.40	3,296.28	3,231.83	64.44	51.151		
1,800.00	1,774.82	1,753.82	1,753.82	8.90	59.57	138.53	-2,522.75	-1,828.40	3,311.60	3,243.30	68.30	48.487		
1,900.00	1,872.74	1,851.74	1,851.74	9.37	62.98	138.76	-2,522.75	-1,828.40	3,326.97	3,254.81	72.16	46.106		
2,000.00	1,970.66	1,949.66	1,949.66	9.84	66.40	138.99	-2,522.75	-1,828.40	3,342.40	3,266.37	76.02	43.964		
2,100.00	2,068.57	2,047.57	2,047.57	10.32	69.81	139.21	-2,522.75	-1,828.40	3,357.88	3,277.98	79.89	42.029		
2,200.00	2,166.49	2,145.49	2,145.49	10.80	73.23	139.44	-2,522.75	-1,828.40	3,373.40	3,289.64	83.76	40.272		
2,300.00	2,264.41	2,243.41	2,243.41	11.28	76.64	139.66	-2,522.75	-1,828.40	3,388.98	3,301.35	87.64	38.670		
2,400.00	2,362.33	2,341.33	2,341.33	11.76	80.06	139.88	-2,522.75	-1,828.40	3,404.61	3,313.10	91.51	37.203		
2,500.00	2,460.25	2,439.25	2,439.25	12.24	83.47	140.10	-2,522.75	-1,828.40	3,420.29	3,324.90	95.39	35.855		
2,600.00	2,558.17	2,537.17	2,537.17	12.73	86.89	140.31	-2,522.75	-1,828.40	3,436.02	3,336.75	99.27	34.613		
2,700.00	2,656.09	2,635.09	2,635.09	13.22	90.31	140.52	-2,522.75	-1,828.40	3,451.79	3,348.64	103.15	33.464		
2,800.00	2,754.01	2,733.01	2,733.01	13.71	93.72	140.74	-2,522.75	-1,828.40	3,467.62	3,360.58	107.03	32.398		
2,900.00	2,851.92	2,830.92	2,830.92	14.20	97.14	140.95	-2,522.75	-1,828.40	3,483.48	3,372.57	110.91	31.407		
3,000.00	2,949.84	2,928.84	2,928.84	14.69	100.55	141.15	-2,522.75	-1,828.40	3,499.40	3,384.60	114.80	30.483		
3,100.00	3,047.76	3,026.76	3,026.76	15.18	103.97	141.36	-2,522.75	-1,828.40	3,515.36	3,396.67	118.68	29.620		
3,200.00	3,145.68	3,124.68	3,124.68	15.67	107.39	141.56	-2,522.75	-1,828.40	3,531.36	3,408.79	122.57	28.812		
3,300.00	3,243.60	3,222.60	3,222.60	16.17	110.80	141.76	-2,522.75	-1,828.40	3,547.41	3,420.96	126.45	28.053		
3,400.00	3,341.52	3,320.52	3,320.52	16.66	114.22	141.97	-2,522.75	-1,828.40	3,563.50	3,433.16	130.34	27.340		
3,500.00	3,439.44	3,418.44	3,418.44	17.16	117.64	142.16	-2,522.75	-1,828.40	3,579.63	3,445.41	134.23	26.669		
3,600.00	3,537.36	3,516.36	3,516.36	17.65	121.06	142.36	-2,522.75	-1,828.40	3,595.81	3,457.70	138.11	26.035		
3,700.00	3,635.27	3,614.27	3,614.27	18.15	124.47	142.56	-2,522.75	-1,828.40	3,612.03	3,470.02	142.00	25.437		
3,800.00	3,733.19	3,712.19	3,712.19	18.65	127.89	142.75	-2,522.75	-1,828.40	3,628.28	3,482.40	145.89	24.870		
3,900.00	3,831.11	3,810.11	3,810.11	19.14	131.31	142.94	-2,522.75	-1,828.40	3,644.58	3,494.81	149.78	24.334		
4,000.00	3,929.03	3,908.03	3,908.03	19.64	134.72	143.13	-2,522.75	-1,828.40	3,660.92	3,507.26	153.66	23.824		
4,100.00	4,026.95	4,005.95	4,005.95	20.14	138.14	143.32	-2,522.75	-1,828.40	3,677.30	3,519.75	157.55	23.340		
4,200.00	4,124.87	4,103.87	4,103.87	20.64	141.56	143.51	-2,522.75	-1,828.40	3,693.72	3,532.27	161.44	22.880		
4,300.00	4,222.79	4,201.79	4,201.79	21.14	144.98	143.69	-2,522.75	-1,828.40	3,710.17	3,544.84	165.33	22.441		
4,400.00	4,320.71	4,300.29	4,299.71	21.64	148.41	143.87	-2,522.75	-1,828.40	3,726.67	3,557.42	169.24	22.020		
4,500.00	4,418.62	4,402.38	4,397.62	22.14	151.98	144.06	-2,522.75	-1,828.40	3,743.20	3,569.92	173.27	21.603		
4,600.00	4,516.54	4,504.46	4,495.54	22.64	155.54	144.24	-2,522.75	-1,828.40	3,759.76	3,582.45	177.31	21.205		
4,700.00	4,614.46	4,606.54	4,593.46	23.14	159.10	144.42	-2,522.75	-1,828.40	3,776.37	3,595.02	181.34	20.824		
4,800.00	4,712.38	4,708.62	4,691.38	23.64	162.67	144.59	-2,522.75	-1,828.40	3,793.01	3,607.63	185.38	20.461		
4,900.00	4,810.30	4,789.30	4,789.30	24.14	165.48	144.77	-2,522.75	-1,828.40	3,809.68	3,621.02	188.67	20.193		
5,000.00	4,908.22	4,887.22	4,887.22	24.64	168.90	144.94	-2,522.75	-1,828.40	3,826.39	3,633.84	192.56	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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,985.14	4,985.14	25.14	172.32	145.11	-2,522.75	-1,828.40	3,843.14	3,646.69	196.45	19.563		
5,200.00	5,104.06	5,083.06	5,083.06	25.64	175.73	145.29	-2,522.75	-1,828.40	3,859.92	3,659.58	200.34	19.267		
5,300.00	5,201.97	5,180.97	5,180.97	26.14	179.15	145.46	-2,522.75	-1,828.40	3,876.73	3,672.50	204.22	18.983		
5,400.00	5,299.89	5,278.89	5,278.89	26.64	182.57	145.62	-2,522.75	-1,828.40	3,893.57	3,685.46	208.11	18.709		
5,500.00	5,397.81	5,376.81	5,376.81	27.15	185.99	145.79	-2,522.75	-1,828.40	3,910.45	3,698.45	212.00	18.445		
5,600.00	5,495.73	5,474.73	5,474.73	27.65	189.41	145.96	-2,522.75	-1,828.40	3,927.36	3,711.47	215.89	18.191		
5,700.00	5,593.65	5,572.65	5,572.65	28.15	192.82	146.12	-2,522.75	-1,828.40	3,944.31	3,724.52	219.78	17.946		
5,800.00	5,691.57	5,670.57	5,670.57	28.65	196.24	146.28	-2,522.75	-1,828.40	3,961.28	3,737.61	223.67	17.710		
5,900.00	5,789.49	5,768.49	5,768.49	29.15	199.66	146.44	-2,522.75	-1,828.40	3,978.29	3,750.72	227.56	17.482		
6,000.00	5,887.41	5,866.41	5,866.41	29.66	203.08	146.60	-2,522.75	-1,828.40	3,995.32	3,763.87	231.45	17.262		
6,100.00	5,985.32	5,964.32	5,964.32	30.16	206.50	146.76	-2,522.75	-1,828.40	4,012.39	3,777.05	235.34	17.049		
6,200.00	6,083.24	6,062.24	6,062.24	30.66	209.91	146.92	-2,522.75	-1,828.40	4,029.49	3,790.25	239.23	16.843		
6,300.00	6,181.16	6,160.16	6,160.16	31.16	213.33	147.08	-2,522.75	-1,828.40	4,046.61	3,803.49	243.12	16.644		
6,400.00	6,279.08	6,258.08	6,258.08	31.67	216.75	147.23	-2,522.75	-1,828.40	4,063.77	3,816.76	247.01	16.452		
6,490.03	6,367.24	6,346.24	6,346.24	32.12	219.83	147.37	-2,522.75	-1,828.40	4,079.24	3,828.72	250.51	16.284		
6,500.00	6,377.01	6,356.01	6,356.01	32.17	220.17	148.41	-2,522.75	-1,828.40	4,080.90	3,830.00	250.90	16.265		
6,550.00	6,426.43	6,405.43	6,405.43	32.40	221.89	157.30	-2,522.75	-1,828.40	4,087.54	3,834.69	252.85	16.166		
6,600.00	6,476.27	6,455.27	6,455.27	32.61	223.63	-167.79	-2,522.75	-1,828.40	4,091.35	3,836.55	254.80	16.057		
6,650.00	6,526.21	6,505.21	6,505.21	32.80	225.38	-81.52	-2,522.75	-1,828.40	4,092.30	3,835.57	256.73	15.940		
6,700.00	6,575.96	6,554.96	6,554.96	32.98	227.11	-60.66	-2,522.75	-1,828.40	4,090.39	3,831.75	258.64	15.815		
6,750.00	6,625.19	6,604.19	6,604.19	33.16	228.83	-54.77	-2,522.75	-1,828.40	4,085.65	3,825.12	260.53	15.682		
6,800.00	6,673.62	6,652.62	6,652.62	33.35	230.52	-52.46	-2,522.75	-1,828.40	4,078.11	3,815.72	262.39	15.542		
6,850.00	6,720.94	6,700.06	6,699.94	33.55	232.18	-51.63	-2,522.75	-1,828.40	4,067.84	3,803.63	264.21	15.396		
6,900.00	6,766.86	6,745.86	6,745.86	33.76	233.78	-51.63	-2,522.75	-1,828.40	4,054.93	3,788.95	265.98	15.245		
6,950.00	6,811.10	6,809.90	6,790.10	33.98	236.01	-52.19	-2,522.75	-1,828.40	4,039.48	3,771.10	268.38	15.051		
7,000.00	6,853.38	6,832.38	6,832.38	34.23	236.80	-53.21	-2,522.75	-1,828.40	4,021.62	3,752.28	269.33	14.932		
7,050.00	6,893.45	6,872.45	6,872.45	34.50	238.19	-54.63	-2,522.75	-1,828.40	4,001.49	3,730.58	270.91	14.771		
7,100.00	6,931.05	6,910.05	6,910.05	34.79	239.51	-56.40	-2,522.75	-1,828.40	3,979.26	3,706.86	272.41	14.608		
7,150.00	6,965.96	6,944.96	6,944.96	35.12	240.73	-58.51	-2,522.75	-1,828.40	3,955.11	3,681.28	273.83	14.444		
7,200.00	6,997.96	6,976.96	6,976.96	35.47	241.84	-60.96	-2,522.75	-1,828.40	3,929.21	3,654.04	275.17	14.279		
7,250.00	7,026.85	7,005.85	7,005.85	35.86	242.85	-63.71	-2,522.75	-1,828.40	3,901.78	3,625.36	276.42	14.115		
7,300.00	7,052.45	7,031.45	7,031.45	36.29	243.74	-66.75	-2,522.75	-1,828.40	3,873.02	3,595.43	277.59	13.952		
7,350.00	7,074.61	7,053.61	7,053.61	36.76	244.52	-70.05	-2,522.75	-1,828.40	3,843.15	3,564.48	278.67	13.791		
7,400.00	7,093.19	7,072.19	7,072.19	37.27	245.17	-73.57	-2,522.75	-1,828.40	3,812.39	3,532.73	279.66	13.632		
7,450.00	7,108.07	7,087.07	7,087.07	37.81	245.69	-77.25	-2,522.75	-1,828.40	3,780.96	3,500.41	280.55	13.477		
7,500.00	7,119.17	7,101.83	7,098.17	38.39	246.20	-81.04	-2,522.75	-1,828.40	3,749.09	3,467.62	281.48	13.319		
7,550.00	7,126.41	7,105.41	7,105.41	38.99	246.33	-84.87	-2,522.75	-1,828.40	3,717.00	3,434.96	282.05	13.179		
7,600.00	7,129.75	7,108.75	7,108.75	39.62	246.44	-88.68	-2,522.75	-1,828.40	3,684.91	3,402.27	282.64	13.038		
7,616.41	7,130.00	7,109.00	7,109.00	39.83	246.45	-89.91	-2,522.75	-1,828.40	3,674.42	3,391.61	282.81	12.993		
7,700.00	7,130.16	7,109.16	7,109.16	40.97	246.46	-89.91	-2,522.75	-1,828.40	3,621.58	3,337.87	283.71	12.765		
7,800.00	7,130.35	7,109.35	7,109.35	42.46	246.46	-89.91	-2,522.75	-1,828.40	3,559.93	3,274.98	284.95	12.493		
7,900.00	7,130.55	7,109.55	7,109.55	44.09	246.47	-89.92	-2,522.75	-1,828.40	3,500.04	3,213.69	286.36	12.223		
8,000.00	7,130.74	7,109.74	7,109.74	45.84	246.48	-89.92	-2,522.75	-1,828.40	3,442.03	3,154.09	287.93	11.954		
8,100.00	7,130.94	7,109.94	7,109.94	47.70	246.48	-89.93	-2,522.75	-1,828.40	3,385.97	3,096.30	289.67	11.689		
8,200.00	7,131.13	7,110.13	7,110.13	49.65	246.49	-89.93	-2,522.75	-1,828.40	3,331.96	3,040.40	291.56	11.428		
8,300.00	7,131.32	7,110.32	7,110.32	51.70	246.50	-89.93	-2,522.75	-1,828.40	3,280.12	2,986.52	293.61	11.172		
8,400.00	7,131.52	7,110.52	7,110.52	53.81	246.50	-89.94	-2,522.75	-1,828.40	3,230.55	2,934.75	295.79	10.922		
8,500.00	7,131.71	7,110.71	7,110.71	55.99	246.51	-89.94	-2,522.75	-1,828.40	3,183.34	2,885.23	298.11	10.678		
8,600.00	7,131.90	7,110.90	7,110.90	58.24	246.52	-89.95	-2,522.75	-1,828.40	3,138.61	2,838.06	300.55	10.443		
8,700.00	7,132.10	7,111.10	7,111.10	60.53	246.53	-89.95	-2,522.75	-1,828.40	3,096.47	2,793.37	303.10	10.216		
8,800.00	7,132.29	7,111.29	7,111.29	62.87	246.53	-89.95	-2,522.75	-1,828.40	3,057.01	2,751.27	305.75	9.998		
8,900.00	7,132.49	7,111.49	7,111.49	65.25	246.54	-89.96	-2,522.75	-1,828.40	3,020.36	2,711.88	308.48	9.791		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,111.68	7,111.68	67.68	246.55	-89.96	-2,522.75	-1,828.40	2,986.60	2,675.32	311.28	9.594		
9,100.00	7,132.87	7,111.87	7,111.87	70.13	246.55	-89.97	-2,522.75	-1,828.40	2,955.84	2,641.70	314.15	9.409		
9,200.00	7,133.07	7,112.07	7,112.07	72.61	246.56	-89.97	-2,522.75	-1,828.40	2,928.18	2,611.13	317.05	9.236		
9,300.00	7,133.26	7,112.26	7,112.26	75.13	246.57	-89.97	-2,522.75	-1,828.40	2,903.70	2,583.72	319.98	9.075		
9,400.00	7,133.46	7,112.46	7,112.46	77.66	246.57	-89.98	-2,522.75	-1,828.40	2,882.48	2,559.56	322.92	8.926		
9,500.00	7,133.65	7,112.65	7,112.65	80.22	246.58	-89.98	-2,522.75	-1,828.40	2,864.60	2,538.74	325.85	8.791		
9,600.00	7,133.84	7,112.84	7,112.84	82.80	246.59	-89.99	-2,522.75	-1,828.40	2,850.11	2,521.35	328.77	8.669		
9,700.00	7,134.04	7,113.04	7,113.04	85.40	246.59	-89.99	-2,522.75	-1,828.40	2,839.08	2,507.44	331.64	8.561		
9,800.00	7,134.23	7,113.23	7,113.23	88.01	246.60	-89.99	-2,522.75	-1,828.40	2,831.53	2,497.07	334.46	8.466		
9,900.00	7,134.43	7,113.43	7,113.43	90.64	246.61	-90.00	-2,522.75	-1,828.40	2,827.51	2,490.29	337.22	8.385		
9,963.88	7,134.55	7,113.55	7,113.55	92.33	246.61	-90.00	-2,522.75	-1,828.40	2,826.79	2,487.85	338.94	8.340 CC		
10,000.00	7,134.62	7,113.62	7,113.62	93.28	246.61	-90.00	-2,522.75	-1,828.40	2,827.02	2,487.13	339.89	8.317 ES		
10,100.00	7,134.81	7,113.81	7,113.81	95.94	246.62	-90.01	-2,522.75	-1,828.40	2,830.06	2,487.59	342.47	8.264		
10,200.00	7,135.01	7,114.01	7,114.01	98.61	246.63	-90.01	-2,522.75	-1,828.40	2,836.63	2,491.68	344.95	8.223		
10,300.00	7,135.20	7,114.20	7,114.20	101.28	246.63	-90.01	-2,522.75	-1,828.40	2,846.70	2,499.39	347.31	8.196		
10,400.00	7,135.39	7,114.39	7,114.39	103.97	246.64	-90.02	-2,522.75	-1,828.40	2,860.23	2,510.68	349.55	8.183		
10,500.00	7,135.59	7,114.59	7,114.59	106.67	246.65	-90.02	-2,522.75	-1,828.40	2,877.18	2,525.51	351.67	8.182 SF		
10,600.00	7,135.78	7,114.78	7,114.78	109.38	246.65	-90.03	-2,522.75	-1,828.40	2,897.48	2,543.83	353.65	8.193		
10,700.00	7,135.98	7,114.98	7,114.98	112.09	246.66	-90.03	-2,522.75	-1,828.40	2,921.06	2,565.56	355.50	8.217		
10,800.00	7,136.17	7,115.17	7,115.17	114.81	246.67	-90.03	-2,522.75	-1,828.40	2,947.85	2,590.64	357.21	8.252		
10,900.00	7,136.36	7,115.36	7,115.36	117.54	246.67	-90.04	-2,522.75	-1,828.40	2,977.76	2,618.97	358.79	8.299		
11,000.00	7,136.56	7,115.56	7,115.56	120.28	246.68	-90.04	-2,522.75	-1,828.40	3,010.69	2,650.46	360.23	8.358		
11,100.00	7,136.75	7,115.75	7,115.75	123.02	246.69	-90.04	-2,522.75	-1,828.40	3,046.55	2,685.00	361.55	8.426		
11,200.00	7,136.95	7,115.95	7,115.95	125.76	246.69	-90.05	-2,522.75	-1,828.40	3,085.24	2,722.50	362.74	8.505		
11,300.00	7,137.14	7,116.14	7,116.14	128.52	246.70	-90.05	-2,522.75	-1,828.40	3,126.65	2,762.84	363.80	8.594		
11,400.00	7,137.33	7,116.33	7,116.33	131.27	246.71	-90.06	-2,522.75	-1,828.40	3,170.67	2,805.92	364.76	8.693		
11,500.00	7,137.53	7,116.53	7,116.53	134.03	246.71	-90.06	-2,522.75	-1,828.40	3,217.20	2,851.60	365.60	8.800		
11,600.00	7,137.72	7,116.72	7,116.72	136.80	246.72	-90.06	-2,522.75	-1,828.40	3,266.13	2,899.80	366.33	8.916		
11,700.00	7,137.92	7,116.92	7,116.92	139.57	246.73	-90.07	-2,522.75	-1,828.40	3,317.35	2,950.38	366.98	9.040		
11,800.00	7,138.11	7,117.11	7,117.11	142.34	246.74	-90.07	-2,522.75	-1,828.40	3,370.76	3,003.24	367.52	9.172		
11,900.00	7,138.30	7,117.30	7,117.30	145.12	246.74	-90.08	-2,522.75	-1,828.40	3,426.26	3,058.27	367.99	9.311		
12,000.00	7,138.50	7,117.50	7,117.50	147.90	246.75	-90.08	-2,522.75	-1,828.40	3,483.75	3,115.37	368.38	9.457		
12,100.00	7,138.69	7,117.69	7,117.69	150.68	246.76	-90.08	-2,522.75	-1,828.40	3,543.12	3,174.43	368.69	9.610		
12,200.00	7,138.88	7,117.88	7,117.88	153.47	246.76	-90.09	-2,522.75	-1,828.40	3,604.29	3,235.35	368.94	9.769		
12,300.00	7,139.08	7,118.08	7,118.08	156.26	246.77	-90.09	-2,522.75	-1,828.40	3,667.17	3,298.04	369.13	9.935		
12,400.00	7,139.27	7,118.27	7,118.27	159.05	246.78	-90.10	-2,522.75	-1,828.40	3,731.67	3,362.40	369.27	10.106		
12,500.00	7,139.47	7,118.47	7,118.47	161.85	246.78	-90.10	-2,522.75	-1,828.40	3,797.71	3,428.35	369.36	10.282		
12,600.00	7,139.66	7,118.66	7,118.66	164.64	246.79	-90.10	-2,522.75	-1,828.40	3,865.21	3,495.81	369.40	10.464		
12,700.00	7,139.85	7,118.85	7,118.85	167.44	246.80	-90.11	-2,522.75	-1,828.40	3,934.09	3,564.69	369.40	10.650		
12,800.00	7,140.05	7,119.05	7,119.05	170.24	246.80	-90.11	-2,522.75	-1,828.40	4,004.28	3,634.92	369.37	10.841		
12,900.00	7,140.24	7,119.24	7,119.24	173.05	246.81	-90.12	-2,522.75	-1,828.40	4,075.72	3,706.42	369.30	11.036		
13,000.00	7,140.44	7,119.44	7,119.44	175.85	246.82	-90.12	-2,522.75	-1,828.40	4,148.34	3,779.13	369.20	11.236		
13,100.00	7,140.63	7,119.63	7,119.63	178.66	246.82	-90.12	-2,522.75	-1,828.40	4,222.08	3,852.99	369.08	11.439		
13,200.00	7,140.82	7,119.82	7,119.82	181.47	246.83	-90.13	-2,522.75	-1,828.40	4,296.88	3,927.94	368.94	11.647		
13,300.00	7,141.02	7,120.02	7,120.02	184.28	246.84	-90.13	-2,522.75	-1,828.40	4,372.69	4,003.91	368.78	11.857		
13,400.00	7,141.21	7,120.21	7,120.21	187.10	246.84	-90.14	-2,522.75	-1,828.40	4,449.45	4,080.85	368.60	12.071		
13,500.00	7,141.41	7,120.41	7,120.41	189.91	246.85	-90.14	-2,522.75	-1,828.40	4,527.12	4,158.72	368.40	12.289		
13,600.00	7,141.60	7,120.60	7,120.60	192.73	246.86	-90.14	-2,522.75	-1,828.40	4,605.65	4,237.46	368.19	12.509		
13,700.00	7,141.79	7,120.79	7,120.79	195.54	246.86	-90.15	-2,522.75	-1,828.40	4,685.00	4,317.03	367.97	12.732		
13,800.00	7,141.99	7,120.99	7,120.99	198.36	246.87	-90.15	-2,522.75	-1,828.40	4,765.13	4,397.39	367.74	12.958		
13,900.00	7,142.18	7,121.18	7,121.18	201.18	246.88	-90.15	-2,522.75	-1,828.40	4,846.00	4,478.49	367.51	13.186		
14,000.00	7,142.37	7,121.37	7,121.37	204.01	246.88	-90.16	-2,522.75	-1,828.40	4,927.57	4,560.30	367.26	13.417		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,121.57	7,121.57	206.83	246.89	-90.16	-2,522.75	-1,828.40	5,009.81	4,642.79	367.01	13.650		
14,200.00	7,142.76	7,121.76	7,121.76	209.65	246.90	-90.17	-2,522.75	-1,828.40	5,092.68	4,725.92	366.76	13.886		
14,300.00	7,142.96	7,121.96	7,121.96	212.48	246.90	-90.17	-2,522.75	-1,828.40	5,176.16	4,809.65	366.50	14.123		
14,400.00	7,143.15	7,122.15	7,122.15	215.30	246.91	-90.17	-2,522.75	-1,828.40	5,260.21	4,893.97	366.25	14.363		
14,500.00	7,143.34	7,122.34	7,122.34	218.13	246.92	-90.18	-2,522.75	-1,828.40	5,344.81	4,978.83	365.98	14.604		
14,600.00	7,143.54	7,122.54	7,122.54	220.96	246.92	-90.18	-2,522.75	-1,828.40	5,429.94	5,064.22	365.72	14.847		
14,700.00	7,143.73	7,122.73	7,122.73	223.79	246.93	-90.19	-2,522.75	-1,828.40	5,515.57	5,150.11	365.46	15.092		
14,800.00	7,143.93	7,122.93	7,122.93	226.62	246.94	-90.19	-2,522.75	-1,828.40	5,601.67	5,236.47	365.20	15.339		
14,838.32	7,144.00	7,123.00	7,123.00	227.70	246.94	-90.19	-2,522.75	-1,828.40	5,634.79	5,269.69	365.10	15.434		
14,900.00	7,144.12	7,123.12	7,123.12	229.45	246.94	-90.19	-2,522.75	-1,828.40	5,687.89	5,322.96	364.93	15.586		
15,000.00	7,144.32	7,123.32	7,123.32	232.26	246.95	-90.18	-2,522.75	-1,828.40	5,772.91	5,408.27	364.64	15.832		
15,027.81	7,144.37	7,123.37	7,123.37	233.04	246.95	-90.17	-2,522.75	-1,828.40	5,796.31	5,431.75	364.56	15.900		
15,100.00	7,144.51	7,123.51	7,123.51	235.07	246.96	-90.18	-2,522.75	-1,828.40	5,857.05	5,492.71	364.34	16.076		
15,200.00	7,144.71	7,123.71	7,123.71	237.87	246.97	-90.18	-2,522.75	-1,828.40	5,941.61	5,577.58	364.03	16.322		
15,300.00	7,144.91	7,123.91	7,123.91	240.68	246.97	-90.18	-2,522.75	-1,828.40	6,026.64	5,662.91	363.73	16.569		
15,400.00	7,145.10	7,124.10	7,124.10	243.48	246.98	-90.19	-2,522.75	-1,828.40	6,112.13	5,748.70	363.43	16.818		
15,500.00	7,145.30	7,124.30	7,124.30	246.29	246.99	-90.19	-2,522.75	-1,828.40	6,198.05	5,834.92	363.13	17.068		
15,600.00	7,145.50	7,124.50	7,124.50	249.10	246.99	-90.19	-2,522.75	-1,828.40	6,284.39	5,921.55	362.84	17.320		
15,700.00	7,145.69	7,124.69	7,124.69	251.91	247.00	-90.20	-2,522.75	-1,828.40	6,371.12	6,008.58	362.55	17.573		
15,800.00	7,145.89	7,124.89	7,124.89	254.71	247.01	-90.20	-2,522.75	-1,828.40	6,458.24	6,095.99	362.26	17.828		
15,900.00	7,146.09	7,125.09	7,125.09	257.52	247.01	-90.21	-2,522.75	-1,828.40	6,545.73	6,183.76	361.97	18.084		
16,000.00	7,146.28	7,125.28	7,125.28	260.34	247.02	-90.21	-2,522.75	-1,828.40	6,633.57	6,271.88	361.69	18.341		
16,100.00	7,146.48	7,125.48	7,125.48	263.15	247.03	-90.21	-2,522.75	-1,828.40	6,721.75	6,360.35	361.41	18.599		
16,200.00	7,146.68	7,125.68	7,125.68	265.96	247.03	-90.22	-2,522.75	-1,828.40	6,810.26	6,449.13	361.13	18.858		
16,300.00	7,146.87	7,125.87	7,125.87	268.77	247.04	-90.22	-2,522.75	-1,828.40	6,899.08	6,538.22	360.86	19.118		
16,400.00	7,147.07	7,126.07	7,126.07	271.58	247.05	-90.22	-2,522.75	-1,828.40	6,988.21	6,627.61	360.59	19.380		
16,500.00	7,147.27	7,126.27	7,126.27	274.40	247.05	-90.23	-2,522.75	-1,828.40	7,077.62	6,717.29	360.33	19.642		
16,600.00	7,147.46	7,126.46	7,126.46	277.21	247.06	-90.23	-2,522.75	-1,828.40	7,167.32	6,807.25	360.07	19.905		
16,700.00	7,147.66	7,126.66	7,126.66	280.03	247.07	-90.23	-2,522.75	-1,828.40	7,257.28	6,897.47	359.82	20.169		
16,800.00	7,147.86	7,126.86	7,126.86	282.84	247.08	-90.24	-2,522.75	-1,828.40	7,347.50	6,987.94	359.56	20.434		
16,900.00	7,148.05	7,127.05	7,127.05	285.66	247.08	-90.24	-2,522.75	-1,828.40	7,437.98	7,078.66	359.32	20.700		
17,000.00	7,148.25	7,127.25	7,127.25	288.48	247.09	-90.24	-2,522.75	-1,828.40	7,528.69	7,169.62	359.07	20.967		
17,100.00	7,148.45	7,127.45	7,127.45	291.29	247.10	-90.25	-2,522.75	-1,828.40	7,619.64	7,260.80	358.84	21.234		
17,200.00	7,148.64	7,127.64	7,127.64	294.11	247.10	-90.25	-2,522.75	-1,828.40	7,710.81	7,352.21	358.60	21.502		
17,300.00	7,148.84	7,127.84	7,127.84	296.93	247.11	-90.26	-2,522.75	-1,828.40	7,802.20	7,443.83	358.37	21.771		
17,400.00	7,149.04	7,128.04	7,128.04	299.75	247.12	-90.26	-2,522.75	-1,828.40	7,893.79	7,535.65	358.15	22.041		
17,500.00	7,149.23	7,128.23	7,128.23	302.57	247.12	-90.26	-2,522.75	-1,828.40	7,985.59	7,627.67	357.92	22.311		
17,600.00	7,149.43	7,128.43	7,128.43	305.39	247.13	-90.27	-2,522.75	-1,828.40	8,077.58	7,719.88	357.71	22.582		
17,700.00	7,149.63	7,128.63	7,128.63	308.21	247.14	-90.27	-2,522.75	-1,828.40	8,169.76	7,812.27	357.49	22.853		
17,800.00	7,149.82	7,128.82	7,128.82	311.03	247.14	-90.27	-2,522.75	-1,828.40	8,262.13	7,904.84	357.28	23.125		
17,900.00	7,150.02	7,129.02	7,129.02	313.85	247.15	-90.28	-2,522.75	-1,828.40	8,354.66	7,997.59	357.08	23.397		
18,000.00	7,150.22	7,129.22	7,129.22	316.67	247.16	-90.28	-2,522.75	-1,828.40	8,447.37	8,090.50	356.88	23.670		
18,100.00	7,150.41	7,129.41	7,129.41	319.49	247.16	-90.28	-2,522.75	-1,828.40	8,540.25	8,183.57	356.68	23.944		
18,200.00	7,150.61	7,129.61	7,129.61	322.32	247.17	-90.29	-2,522.75	-1,828.40	8,633.28	8,276.79	356.48	24.218		
18,300.00	7,150.81	7,129.81	7,129.81	325.14	247.18	-90.29	-2,522.75	-1,828.40	8,726.46	8,370.17	356.29	24.492		
18,400.00	7,151.00	7,130.00	7,130.00	327.96	247.19	-90.29	-2,522.75	-1,828.40	8,819.80	8,463.69	356.11	24.767		
18,500.00	7,151.20	7,130.20	7,130.20	330.78	247.19	-90.30	-2,522.75	-1,828.40	8,913.28	8,557.35	355.93	25.043		
18,600.00	7,151.40	7,130.40	7,130.40	333.61	247.20	-90.30	-2,522.75	-1,828.40	9,006.90	8,651.15	355.75	25.318		
18,700.00	7,151.59	7,130.59	7,130.59	336.43	247.21	-90.31	-2,522.75	-1,828.40	9,100.66	8,745.08	355.57	25.594		
18,800.00	7,151.79	7,130.79	7,130.79	339.26	247.21	-90.31	-2,522.75	-1,828.40	9,194.54	8,839.14	355.40	25.871		
18,906.26	7,152.00	7,131.00	7,131.00	342.26	247.22	-90.31	-2,522.75	-1,828.40	9,294.45	8,939.23	355.22	26.165		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-87.47	305.89	-6,912.85	6,919.62					
100.00	100.00	117.00	117.00	3.28	4.03	-87.47	305.89	-6,912.85	6,919.62	6,912.30	7.31	946.177		
200.00	200.00	217.00	217.00	3.34	6.69	-87.47	305.89	-6,912.85	6,919.62	6,909.59	10.03	690.143		
300.00	299.98	316.98	316.98	3.44	9.88	-167.46	305.89	-6,912.85	6,921.32	6,908.00	13.32	519.470		
400.00	399.84	416.84	416.84	3.60	13.22	-167.45	305.89	-6,912.85	6,926.43	6,909.61	16.82	411.778		
500.00	499.45	516.45	516.45	3.81	16.61	-167.43	305.89	-6,912.85	6,934.94	6,914.52	20.42	339.665		
600.00	598.70	615.70	615.70	4.06	20.02	-167.40	305.89	-6,912.85	6,946.84	6,922.76	24.07	288.597		
700.00	697.47	714.47	714.47	4.34	23.43	-167.36	305.89	-6,912.85	6,962.11	6,934.35	27.76	250.799		
785.50	781.43	801.57	798.43	4.61	26.44	-167.32	305.89	-6,912.85	6,977.83	6,946.79	31.04	224.812		
800.00	795.63	812.63	812.63	4.66	26.82	-167.32	305.89	-6,912.85	6,980.71	6,949.23	31.47	221.809		
900.00	893.55	910.55	910.55	5.02	30.22	-167.36	305.89	-6,912.85	7,000.53	6,965.34	35.19	198.927		
1,000.00	991.47	1,008.47	1,008.47	5.40	33.62	-167.39	305.89	-6,912.85	7,020.35	6,981.42	38.94	180.302		
1,100.00	1,089.39	1,106.39	1,106.39	5.80	37.02	-167.43	305.89	-6,912.85	7,040.18	6,997.48	42.70	164.868		
1,200.00	1,187.31	1,204.31	1,204.31	6.21	40.43	-167.47	305.89	-6,912.85	7,060.01	7,013.53	46.48	151.881		
1,300.00	1,285.22	1,302.22	1,302.22	6.64	43.84	-167.50	305.89	-6,912.85	7,079.84	7,029.56	50.28	140.812		
1,400.00	1,383.14	1,400.14	1,400.14	7.08	47.25	-167.54	305.89	-6,912.85	7,099.68	7,045.59	54.08	131.269		
1,500.00	1,481.06	1,501.94	1,498.06	7.52	50.79	-167.57	305.89	-6,912.85	7,119.52	7,061.48	58.04	122.676		
1,600.00	1,578.98	1,604.02	1,595.98	7.98	54.35	-167.61	305.89	-6,912.85	7,139.36	7,077.35	62.00	115.145		
1,700.00	1,676.90	1,706.10	1,693.90	8.44	57.91	-167.64	305.89	-6,912.85	7,159.20	7,093.22	65.98	108.509		
1,800.00	1,774.82	1,808.18	1,791.82	8.90	61.47	-167.68	305.89	-6,912.85	7,179.05	7,109.09	69.96	102.619		
1,900.00	1,872.74	1,889.74	1,889.74	9.37	64.31	-167.71	305.89	-6,912.85	7,198.89	7,125.67	73.23	98.309		
2,000.00	1,970.66	1,987.66	1,987.66	9.84	67.72	-167.75	305.89	-6,912.85	7,218.74	7,141.67	77.07	93.664		
2,100.00	2,068.57	2,085.57	2,085.57	10.32	71.14	-167.78	305.89	-6,912.85	7,238.60	7,157.68	80.92	89.456		
2,200.00	2,166.49	2,183.49	2,183.49	10.80	74.55	-167.81	305.89	-6,912.85	7,258.45	7,173.69	84.77	85.627		
2,300.00	2,264.41	2,281.41	2,281.41	11.28	77.97	-167.85	305.89	-6,912.85	7,278.31	7,189.69	88.62	82.129		
2,400.00	2,362.33	2,379.33	2,379.33	11.76	81.38	-167.88	305.89	-6,912.85	7,298.17	7,205.70	92.48	78.920		
2,500.00	2,460.25	2,477.25	2,477.25	12.24	84.80	-167.91	305.89	-6,912.85	7,318.03	7,221.70	96.33	75.966		
2,600.00	2,558.17	2,575.17	2,575.17	12.73	88.21	-167.95	305.89	-6,912.85	7,337.90	7,237.71	100.19	73.238		
2,700.00	2,656.09	2,673.09	2,673.09	13.22	91.63	-167.98	305.89	-6,912.85	7,357.77	7,253.71	104.05	70.711		
2,800.00	2,754.01	2,771.01	2,771.01	13.71	95.05	-168.01	305.89	-6,912.85	7,377.64	7,269.72	107.92	68.365		
2,900.00	2,851.92	2,868.92	2,868.92	14.20	98.46	-168.05	305.89	-6,912.85	7,397.51	7,285.73	111.78	66.180		
3,000.00	2,949.84	2,966.84	2,966.84	14.69	101.88	-168.08	305.89	-6,912.85	7,417.38	7,301.74	115.64	64.140		
3,100.00	3,047.76	3,064.76	3,064.76	15.18	105.30	-168.11	305.89	-6,912.85	7,437.26	7,317.75	119.51	62.231		
3,200.00	3,145.68	3,162.68	3,162.68	15.67	108.71	-168.14	305.89	-6,912.85	7,457.14	7,333.76	123.38	60.442		
3,300.00	3,243.60	3,260.60	3,260.60	16.17	112.13	-168.17	305.89	-6,912.85	7,477.02	7,349.78	127.24	58.761		
3,400.00	3,341.52	3,358.52	3,358.52	16.66	115.55	-168.21	305.89	-6,912.85	7,496.90	7,365.79	131.11	57.179		
3,500.00	3,439.44	3,456.44	3,456.44	17.16	118.96	-168.24	305.89	-6,912.85	7,516.79	7,381.81	134.98	55.687		
3,600.00	3,537.36	3,554.36	3,554.36	17.65	122.38	-168.27	305.89	-6,912.85	7,536.68	7,397.82	138.85	54.278		
3,700.00	3,635.27	3,652.27	3,652.27	18.15	125.80	-168.30	305.89	-6,912.85	7,556.57	7,413.84	142.72	52.946		
3,800.00	3,733.19	3,750.19	3,750.19	18.65	129.22	-168.33	305.89	-6,912.85	7,576.46	7,429.86	146.59	51.683		
3,900.00	3,831.11	3,848.11	3,848.11	19.14	132.63	-168.36	305.89	-6,912.85	7,596.35	7,445.89	150.47	50.486		
4,000.00	3,929.03	3,946.03	3,946.03	19.64	136.05	-168.39	305.89	-6,912.85	7,616.25	7,461.91	154.34	49.348		
4,100.00	4,026.95	4,043.95	4,043.95	20.14	139.47	-168.42	305.89	-6,912.85	7,636.15	7,477.94	158.21	48.266		
4,200.00	4,124.87	4,141.87	4,141.87	20.64	142.89	-168.45	305.89	-6,912.85	7,656.05	7,493.96	162.08	47.235		
4,300.00	4,222.79	4,239.79	4,239.79	21.14	146.30	-168.49	305.89	-6,912.85	7,675.95	7,509.99	165.96	46.252		
4,400.00	4,320.71	4,337.71	4,337.71	21.64	149.72	-168.52	305.89	-6,912.85	7,695.86	7,526.02	169.83	45.315		
4,500.00	4,418.62	4,435.62	4,435.62	22.14	153.14	-168.55	305.89	-6,912.85	7,715.76	7,542.06	173.71	44.419		
4,600.00	4,516.54	4,533.54	4,533.54	22.64	156.56	-168.58	305.89	-6,912.85	7,735.67	7,558.09	177.58	43.561		
4,700.00	4,614.46	4,631.46	4,631.46	23.14	159.97	-168.60	305.89	-6,912.85	7,755.58	7,574.13	181.46	42.741		
4,800.00	4,712.38	4,729.38	4,729.38	23.64	163.39	-168.63	305.89	-6,912.85	7,775.49	7,590.16	185.33	41.955		
4,900.00	4,810.30	4,827.30	4,827.30	24.14	166.81	-168.66	305.89	-6,912.85	7,795.41	7,606.20	189.21	41.201		
5,000.00	4,908.22	4,925.22	4,925.22	24.64	170.23	-168.69	305.89	-6,912.85	7,815.33	7,622.24	193.08	40.477		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,023.14	5,023.14	25.14	173.64	-168.72	305.89	-6,912.85	7,835.24	7,638.29	196.96	39.781		
5,200.00	5,104.06	5,121.06	5,121.06	25.64	177.06	-168.75	305.89	-6,912.85	7,855.17	7,654.33	200.83	39.113		
5,300.00	5,201.97	5,218.97	5,218.97	26.14	180.48	-168.78	305.89	-6,912.85	7,875.09	7,670.38	204.71	38.469		
5,400.00	5,299.89	5,316.89	5,316.89	26.64	183.90	-168.81	305.89	-6,912.85	7,895.01	7,686.42	208.59	37.850		
5,500.00	5,397.81	5,414.81	5,414.81	27.15	187.31	-168.84	305.89	-6,912.85	7,914.94	7,702.47	212.46	37.253		
5,600.00	5,495.73	5,512.73	5,512.73	27.65	190.73	-168.87	305.89	-6,912.85	7,934.87	7,718.53	216.34	36.678		
5,700.00	5,593.65	5,610.65	5,610.65	28.15	194.15	-168.89	305.89	-6,912.85	7,954.80	7,734.58	220.22	36.122		
5,800.00	5,691.57	5,708.57	5,708.57	28.65	197.57	-168.92	305.89	-6,912.85	7,974.73	7,750.63	224.10	35.586		
5,900.00	5,789.49	5,806.49	5,806.49	29.15	200.99	-168.95	305.89	-6,912.85	7,994.66	7,766.69	227.97	35.068		
6,000.00	5,887.41	5,904.41	5,904.41	29.66	204.40	-168.98	305.89	-6,912.85	8,014.60	7,782.75	231.85	34.568		
6,100.00	5,985.32	6,002.32	6,002.32	30.16	207.82	-169.00	305.89	-6,912.85	8,034.54	7,798.81	235.73	34.084		
6,200.00	6,083.24	6,100.24	6,100.24	30.66	211.24	-169.03	305.89	-6,912.85	8,054.47	7,814.87	239.61	33.615		
6,300.00	6,181.16	6,201.84	6,198.16	31.16	214.79	-169.06	305.89	-6,912.85	8,074.41	7,830.80	243.61	33.144		
6,400.00	6,279.08	6,303.92	6,296.08	31.67	218.35	-169.09	305.89	-6,912.85	8,094.36	7,846.72	247.64	32.686		
6,490.03	6,367.24	6,384.24	6,384.24	32.12	221.15	-169.11	305.89	-6,912.85	8,112.31	7,861.46	250.86	32.338		
6,500.00	6,377.01	6,405.99	6,394.01	32.17	221.91	-168.19	305.89	-6,912.85	8,114.23	7,862.56	251.66	32.243		
6,550.00	6,426.43	6,443.43	6,443.43	32.40	223.22	-159.78	305.89	-6,912.85	8,121.49	7,868.30	253.19	32.077		
6,600.00	6,476.27	6,506.73	6,493.27	32.61	225.43	-125.13	305.89	-6,912.85	8,124.86	7,869.25	255.61	31.786		
6,650.00	6,526.21	6,543.21	6,543.21	32.80	226.70	-38.90	305.89	-6,912.85	8,124.30	7,867.23	257.07	31.603		
6,700.00	6,575.96	6,607.04	6,592.96	32.98	228.93	-17.88	305.89	-6,912.85	8,119.82	7,860.35	259.47	31.294		
6,750.00	6,625.19	6,642.19	6,642.19	33.16	230.16	-11.62	305.89	-6,912.85	8,111.45	7,850.60	260.85	31.097		
6,800.00	6,673.62	6,709.38	6,690.62	33.35	232.50	-8.72	305.89	-6,912.85	8,099.24	7,835.91	263.33	30.757		
6,850.00	6,720.94	6,737.94	6,737.94	33.55	233.50	-7.08	305.89	-6,912.85	8,083.27	7,818.83	264.44	30.567		
6,900.00	6,766.86	6,783.86	6,783.86	33.76	235.10	-6.05	305.89	-6,912.85	8,063.63	7,797.48	266.14	30.298		
6,950.00	6,811.10	6,828.10	6,828.10	33.98	236.65	-5.35	305.89	-6,912.85	8,040.44	7,772.67	267.77	30.027		
7,000.00	6,853.38	6,870.38	6,870.38	34.23	238.12	-4.87	305.89	-6,912.85	8,013.85	7,744.54	269.31	29.757		
7,050.00	6,893.45	6,910.45	6,910.45	34.50	239.52	-4.53	305.89	-6,912.85	7,984.03	7,713.27	270.76	29.487		
7,100.00	6,931.05	6,948.05	6,948.05	34.79	240.83	-4.29	305.89	-6,912.85	7,951.15	7,679.04	272.11	29.220		
7,150.00	6,965.96	6,982.96	6,982.96	35.12	242.05	-4.14	305.89	-6,912.85	7,915.41	7,642.06	273.35	28.957		
7,200.00	6,997.96	7,014.96	7,014.96	35.47	243.17	-4.07	305.89	-6,912.85	7,877.05	7,602.57	274.48	28.698		
7,250.00	7,026.85	7,043.85	7,043.85	35.86	244.18	-4.07	305.89	-6,912.85	7,836.29	7,560.80	275.49	28.445		
7,300.00	7,052.45	7,069.45	7,069.45	36.29	245.07	-4.16	305.89	-6,912.85	7,793.38	7,517.01	276.38	28.198		
7,350.00	7,074.61	7,108.39	7,091.61	36.76	246.43	-4.35	305.89	-6,912.85	7,748.60	7,470.87	277.73	27.900		
7,400.00	7,093.19	7,110.19	7,110.19	37.27	246.49	-4.70	305.89	-6,912.85	7,702.22	7,424.44	277.78	27.728		
7,450.00	7,108.07	7,125.07	7,125.07	37.81	247.01	-5.32	305.89	-6,912.85	7,654.51	7,376.23	278.28	27.507		
7,500.00	7,119.17	7,136.17	7,136.17	38.39	247.40	-6.54	305.89	-6,912.85	7,605.78	7,327.13	278.65	27.295		
7,550.00	7,126.41	7,143.41	7,143.41	38.99	247.65	-9.61	305.89	-6,912.85	7,556.33	7,277.44	278.89	27.094		
7,600.00	7,129.75	7,146.75	7,146.75	39.62	247.77	-28.26	305.89	-6,912.85	7,506.47	7,227.46	279.00	26.905		
7,616.41	7,130.00	7,147.00	7,147.00	39.83	247.78	-82.05	305.89	-6,912.85	7,490.06	7,211.05	279.01	26.845		
7,700.00	7,130.16	7,147.16	7,147.16	40.97	247.78	-82.13	305.89	-6,912.85	7,406.48	7,127.46	279.02	26.545		
7,800.00	7,130.35	7,147.35	7,147.35	42.46	247.79	-82.24	305.89	-6,912.85	7,306.49	7,027.47	279.02	26.186		
7,900.00	7,130.55	7,147.55	7,147.55	44.09	247.80	-82.34	305.89	-6,912.85	7,206.50	6,927.47	279.03	25.827		
8,000.00	7,130.74	7,147.74	7,147.74	45.84	247.80	-82.45	305.89	-6,912.85	7,106.51	6,827.47	279.04	25.468		
8,100.00	7,130.94	7,147.94	7,147.94	47.70	247.81	-82.55	305.89	-6,912.85	7,006.52	6,727.47	279.05	25.109		
8,200.00	7,131.13	7,148.13	7,148.13	49.65	247.82	-82.66	305.89	-6,912.85	6,906.53	6,627.47	279.06	24.749		
8,300.00	7,131.32	7,148.32	7,148.32	51.70	247.82	-82.76	305.89	-6,912.85	6,806.54	6,527.47	279.07	24.390		
8,400.00	7,131.52	7,148.52	7,148.52	53.81	247.83	-82.87	305.89	-6,912.85	6,706.56	6,427.47	279.09	24.030		
8,500.00	7,131.71	7,148.71	7,148.71	55.99	247.84	-82.97	305.89	-6,912.85	6,606.57	6,327.46	279.10	23.671		
8,600.00	7,131.90	7,148.90	7,148.90	58.24	247.84	-83.08	305.89	-6,912.85	6,506.58	6,227.46	279.12	23.311		
8,700.00	7,132.10	7,149.10	7,149.10	60.53	247.85	-83.18	305.89	-6,912.85	6,406.59	6,127.46	279.14	22.951		
8,800.00	7,132.29	7,149.29	7,149.29	62.87	247.86	-83.29	305.89	-6,912.85	6,306.61	6,027.45	279.16	22.592		
8,900.00	7,132.49	7,149.49	7,149.49	65.25	247.87	-83.40	305.89	-6,912.85	6,206.62	5,927.44	279.18	22.232		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,149.68	7,149.68	67.68	247.87	-83.50	305.89	-6,912.85	6,106.64	5,827.44	279.20	21.872		
9,100.00	7,132.87	7,149.87	7,149.87	70.13	247.88	-83.61	305.89	-6,912.85	6,006.65	5,727.43	279.22	21.512		
9,200.00	7,133.07	7,150.07	7,150.07	72.61	247.89	-83.71	305.89	-6,912.85	5,906.67	5,627.42	279.25	21.152		
9,300.00	7,133.26	7,150.26	7,150.26	75.13	247.89	-83.82	305.89	-6,912.85	5,806.68	5,527.41	279.27	20.792		
9,400.00	7,133.46	7,150.46	7,150.46	77.66	247.90	-83.92	305.89	-6,912.85	5,706.70	5,427.40	279.30	20.432		
9,500.00	7,133.65	7,150.65	7,150.65	80.22	247.91	-84.03	305.89	-6,912.85	5,606.72	5,327.39	279.33	20.072		
9,600.00	7,133.84	7,150.84	7,150.84	82.80	247.91	-84.13	305.89	-6,912.85	5,506.73	5,227.37	279.36	19.712		
9,700.00	7,134.04	7,151.04	7,151.04	85.40	247.92	-84.24	305.89	-6,912.85	5,406.75	5,127.36	279.39	19.352		
9,800.00	7,134.23	7,151.23	7,151.23	88.01	247.93	-84.35	305.89	-6,912.85	5,306.77	5,027.35	279.42	18.992		
9,900.00	7,134.43	7,151.43	7,151.43	90.64	247.93	-84.45	305.89	-6,912.85	5,206.79	4,927.33	279.46	18.632		
10,000.00	7,134.62	7,151.62	7,151.62	93.28	247.94	-84.56	305.89	-6,912.85	5,106.81	4,827.32	279.49	18.272		
10,100.00	7,134.81	7,151.81	7,151.81	95.94	247.95	-84.66	305.89	-6,912.85	5,006.83	4,727.30	279.53	17.911		
10,200.00	7,135.01	7,152.01	7,152.01	98.61	247.95	-84.77	305.89	-6,912.85	4,906.85	4,627.28	279.57	17.551		
10,300.00	7,135.20	7,152.20	7,152.20	101.28	247.96	-84.88	305.89	-6,912.85	4,806.88	4,527.26	279.61	17.191		
10,400.00	7,135.39	7,152.39	7,152.39	103.97	247.97	-84.98	305.89	-6,912.85	4,706.90	4,427.25	279.66	16.831		
10,500.00	7,135.59	7,152.59	7,152.59	106.67	247.97	-85.09	305.89	-6,912.85	4,606.93	4,327.23	279.70	16.471		
10,600.00	7,135.78	7,152.78	7,152.78	109.38	247.98	-85.19	305.89	-6,912.85	4,506.95	4,227.21	279.75	16.111		
10,700.00	7,135.98	7,152.98	7,152.98	112.09	247.99	-85.30	305.89	-6,912.85	4,406.98	4,127.18	279.79	15.751		
10,800.00	7,136.17	7,153.17	7,153.17	114.81	247.99	-85.41	305.89	-6,912.85	4,307.01	4,027.16	279.85	15.391		
10,900.00	7,136.36	7,153.36	7,153.36	117.54	248.00	-85.51	305.89	-6,912.85	4,207.04	3,927.14	279.90	15.031		
11,000.00	7,136.56	7,153.56	7,153.56	120.28	248.01	-85.62	305.89	-6,912.85	4,107.07	3,827.12	279.95	14.671		
11,100.00	7,136.75	7,153.75	7,153.75	123.02	248.01	-85.73	305.89	-6,912.85	4,007.10	3,727.09	280.01	14.311		
11,200.00	7,136.95	7,153.95	7,153.95	125.76	248.02	-85.83	305.89	-6,912.85	3,907.14	3,627.07	280.07	13.951		
11,300.00	7,137.14	7,154.14	7,154.14	128.52	248.03	-85.94	305.89	-6,912.85	3,807.17	3,527.04	280.13	13.591		
11,400.00	7,137.33	7,154.33	7,154.33	131.27	248.03	-86.04	305.89	-6,912.85	3,707.21	3,427.02	280.19	13.231		
11,500.00	7,137.53	7,154.53	7,154.53	134.03	248.04	-86.15	305.89	-6,912.85	3,607.25	3,326.99	280.26	12.871		
11,600.00	7,137.72	7,154.72	7,154.72	136.80	248.05	-86.26	305.89	-6,912.85	3,507.30	3,226.96	280.33	12.511		
11,700.00	7,137.92	7,154.92	7,154.92	139.57	248.05	-86.36	305.89	-6,912.85	3,407.34	3,126.93	280.41	12.151		
11,800.00	7,138.11	7,155.11	7,155.11	142.34	248.06	-86.47	305.89	-6,912.85	3,307.39	3,026.90	280.48	11.792		
11,900.00	7,138.30	7,155.30	7,155.30	145.12	248.07	-86.58	305.89	-6,912.85	3,207.44	2,926.87	280.57	11.432		
12,000.00	7,138.50	7,155.50	7,155.50	147.90	248.08	-86.68	305.89	-6,912.85	3,107.49	2,826.84	280.65	11.072		
12,100.00	7,138.69	7,155.69	7,155.69	150.68	248.08	-86.79	305.89	-6,912.85	3,007.55	2,726.81	280.75	10.713		
12,200.00	7,138.88	7,155.88	7,155.88	153.47	248.09	-86.90	305.89	-6,912.85	2,907.61	2,626.77	280.84	10.353		
12,300.00	7,139.08	7,156.08	7,156.08	156.26	248.10	-87.00	305.89	-6,912.85	2,807.68	2,526.73	280.95	9.994		
12,400.00	7,139.27	7,156.27	7,156.27	159.05	248.10	-87.11	305.89	-6,912.85	2,707.75	2,426.69	281.06	9.634		
12,500.00	7,139.47	7,156.47	7,156.47	161.85	248.11	-87.22	305.89	-6,912.85	2,607.83	2,326.65	281.18	9.275		
12,600.00	7,139.66	7,156.66	7,156.66	164.64	248.12	-87.32	305.89	-6,912.85	2,507.91	2,226.60	281.31	8.915		
12,700.00	7,139.85	7,156.85	7,156.85	167.44	248.12	-87.43	305.89	-6,912.85	2,408.00	2,126.55	281.45	8.556		
12,800.00	7,140.05	7,157.05	7,157.05	170.24	248.13	-87.54	305.89	-6,912.85	2,308.10	2,026.50	281.60	8.196		
12,900.00	7,140.24	7,157.24	7,157.24	173.05	248.14	-87.64	305.89	-6,912.85	2,208.21	1,926.44	281.77	7.837		
13,000.00	7,140.44	7,157.44	7,157.44	175.85	248.14	-87.75	305.89	-6,912.85	2,108.32	1,826.37	281.96	7.477		
13,100.00	7,140.63	7,157.63	7,157.63	178.66	248.15	-87.86	305.89	-6,912.85	2,008.45	1,726.29	282.16	7.118		
13,200.00	7,140.82	7,157.82	7,157.82	181.47	248.16	-87.96	305.89	-6,912.85	1,908.59	1,626.19	282.40	6.759		
13,300.00	7,141.02	7,158.02	7,158.02	184.28	248.16	-88.07	305.89	-6,912.85	1,808.75	1,526.08	282.66	6.399		
13,400.00	7,141.21	7,158.21	7,158.21	187.10	248.17	-88.18	305.89	-6,912.85	1,708.92	1,425.96	282.97	6.039		
13,500.00	7,141.41	7,158.41	7,158.41	189.91	248.18	-88.28	305.89	-6,912.85	1,609.12	1,325.80	283.32	5.680		
13,600.00	7,141.60	7,158.60	7,158.60	192.73	248.18	-88.39	305.89	-6,912.85	1,509.34	1,225.61	283.73	5.320		
13,700.00	7,141.79	7,158.79	7,158.79	195.54	248.19	-88.50	305.89	-6,912.85	1,409.60	1,125.37	284.22	4.959		
13,800.00	7,141.99	7,158.99	7,158.99	198.36	248.20	-88.60	305.89	-6,912.85	1,309.89	1,025.07	284.82	4.599		
13,900.00	7,142.18	7,159.18	7,159.18	201.18	248.20	-88.71	305.89	-6,912.85	1,210.23	924.69	285.54	4.238		
14,000.00	7,142.37	7,159.37	7,159.37	204.01	248.21	-88.82	305.89	-6,912.85	1,110.63	824.18	286.45	3.877		
14,100.00	7,142.57	7,159.57	7,159.57	206.83	248.22	-88.92	305.89	-6,912.85	1,011.12	723.51	287.60	3.516		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	7,159.76	7,159.76	209.65	248.22	-89.03	305.89	-6,912.85	911.70	622.60	289.10	3.154		
14,300.00	7,142.96	7,159.96	7,159.96	212.48	248.23	-89.14	305.89	-6,912.85	812.43	521.33	291.10	2.791		
14,400.00	7,143.15	7,160.15	7,160.15	215.30	248.24	-89.25	305.89	-6,912.85	713.37	419.52	293.85	2.428		
14,500.00	7,143.34	7,160.34	7,160.34	218.13	248.24	-89.35	305.89	-6,912.85	614.61	316.86	297.75	2.064		
14,600.00	7,143.54	7,160.54	7,160.54	220.96	248.25	-89.46	305.89	-6,912.85	516.33	212.79	303.53	1.701		
14,700.00	7,143.73	7,160.73	7,160.73	223.79	248.26	-89.57	305.89	-6,912.85	418.86	106.28	312.58	1.340	Level 3	
14,800.00	7,143.93	7,160.93	7,160.93	226.62	248.26	-89.67	305.89	-6,912.85	322.94	-4.83	327.77	0.985	Level 1	
14,838.32	7,144.00	7,161.00	7,161.00	227.70	248.27	-89.71	305.89	-6,912.85	286.92	-49.50	336.42	0.853	Level 1	
14,900.00	7,144.12	7,161.12	7,161.12	229.45	248.27	-89.76	305.89	-6,912.85	230.22	-125.15	355.37	0.648	Level 1	
15,000.00	7,144.32	7,161.32	7,161.32	232.26	248.28	-89.87	305.89	-6,912.85	145.17	-263.74	408.92	0.355	Level 1	
15,027.81	7,144.37	7,161.37	7,161.37	233.04	248.28	-89.90	305.89	-6,912.85	125.04	-306.24	431.28	0.290	Level 1	
15,100.00	7,144.51	7,161.51	7,161.51	235.07	248.29	-89.99	305.89	-6,912.85	93.08	-389.75	482.83	0.193	Level 1	
15,112.18	7,144.54	7,161.54	7,161.54	235.41	248.29	-90.00	305.89	-6,912.85	92.28	-390.95	483.23	0.191	Level 1, CC, ES, SF	
15,200.00	7,144.71	7,161.71	7,161.71	237.87	248.29	-90.11	305.89	-6,912.85	127.39	-284.50	411.88	0.309	Level 1	
15,300.00	7,144.91	7,161.91	7,161.91	240.68	248.30	-90.23	305.89	-6,912.85	209.26	-136.81	346.07	0.605	Level 1	
15,400.00	7,145.10	7,162.10	7,162.10	243.48	248.31	-90.35	305.89	-6,912.85	302.25	-14.67	316.91	0.954	Level 1	
15,500.00	7,145.30	7,162.30	7,162.30	246.29	248.31	-90.47	305.89	-6,912.85	398.64	96.02	302.63	1.317	Level 3	
15,600.00	7,145.50	7,162.50	7,162.50	249.10	248.32	-90.60	305.89	-6,912.85	496.47	201.54	294.92	1.683		
15,700.00	7,145.69	7,162.69	7,162.69	251.91	248.33	-90.72	305.89	-6,912.85	595.01	304.51	290.51	2.048		
15,800.00	7,145.89	7,162.89	7,162.89	254.71	248.33	-90.84	305.89	-6,912.85	693.98	406.10	287.87	2.411		
15,900.00	7,146.09	7,163.09	7,163.09	257.52	248.34	-90.96	305.89	-6,912.85	793.20	506.94	286.26	2.771		
16,000.00	7,146.28	7,163.28	7,163.28	260.34	248.35	-91.08	305.89	-6,912.85	892.60	607.33	285.26	3.129		
16,100.00	7,146.48	7,163.48	7,163.48	263.15	248.35	-91.21	305.89	-6,912.85	992.11	707.47	284.65	3.485		
16,200.00	7,146.68	7,163.68	7,163.68	265.96	248.36	-91.33	305.89	-6,912.85	1,091.72	807.45	284.27	3.840		
16,300.00	7,146.87	7,163.87	7,163.87	268.77	248.37	-91.45	305.89	-6,912.85	1,191.39	907.33	284.06	4.194		
16,400.00	7,147.07	7,164.07	7,164.07	271.58	248.37	-91.57	305.89	-6,912.85	1,291.11	1,007.16	283.95	4.547		
16,500.00	7,147.27	7,164.27	7,164.27	274.40	248.38	-91.69	305.89	-6,912.85	1,390.88	1,106.96	283.92	4.899		
16,600.00	7,147.46	7,164.46	7,164.46	277.21	248.39	-91.82	305.89	-6,912.85	1,490.67	1,206.73	283.94	5.250		
16,700.00	7,147.66	7,164.66	7,164.66	280.03	248.39	-91.94	305.89	-6,912.85	1,590.49	1,306.50	283.99	5.600		
16,800.00	7,147.86	7,164.86	7,164.86	282.84	248.40	-92.06	305.89	-6,912.85	1,690.33	1,406.26	284.07	5.950		
16,900.00	7,148.05	7,165.05	7,165.05	285.66	248.41	-92.18	305.89	-6,912.85	1,790.19	1,506.02	284.17	6.300		
17,000.00	7,148.25	7,165.25	7,165.25	288.48	248.42	-92.30	305.89	-6,912.85	1,890.07	1,605.79	284.28	6.649		
17,100.00	7,148.45	7,165.45	7,165.45	291.29	248.42	-92.43	305.89	-6,912.85	1,989.95	1,705.56	284.40	6.997		
17,200.00	7,148.64	7,165.64	7,165.64	294.11	248.43	-92.55	305.89	-6,912.85	2,089.85	1,805.33	284.52	7.345		
17,300.00	7,148.84	7,165.84	7,165.84	296.93	248.44	-92.67	305.89	-6,912.85	2,189.76	1,905.10	284.65	7.693		
17,400.00	7,149.04	7,166.04	7,166.04	299.75	248.44	-92.79	305.89	-6,912.85	2,289.67	2,004.88	284.79	8.040		
17,500.00	7,149.23	7,166.23	7,166.23	302.57	248.45	-92.91	305.89	-6,912.85	2,389.59	2,104.67	284.92	8.387		
17,600.00	7,149.43	7,166.43	7,166.43	305.39	248.46	-93.04	305.89	-6,912.85	2,489.52	2,204.46	285.06	8.733		
17,700.00	7,149.63	7,166.63	7,166.63	308.21	248.46	-93.16	305.89	-6,912.85	2,589.46	2,304.25	285.20	9.079		
17,800.00	7,149.82	7,166.82	7,166.82	311.03	248.47	-93.28	305.89	-6,912.85	2,689.39	2,404.05	285.34	9.425		
17,900.00	7,150.02	7,167.02	7,167.02	313.85	248.48	-93.40	305.89	-6,912.85	2,789.34	2,503.86	285.48	9.771		
18,000.00	7,150.22	7,167.22	7,167.22	316.67	248.48	-93.52	305.89	-6,912.85	2,889.28	2,603.66	285.62	10.116		
18,100.00	7,150.41	7,167.41	7,167.41	319.49	248.49	-93.64	305.89	-6,912.85	2,989.23	2,703.47	285.76	10.461		
18,200.00	7,150.61	7,167.61	7,167.61	322.32	248.50	-93.77	305.89	-6,912.85	3,089.19	2,803.29	285.90	10.805		
18,300.00	7,150.81	7,167.81	7,167.81	325.14	248.50	-93.89	305.89	-6,912.85	3,189.14	2,903.10	286.04	11.149		
18,400.00	7,151.00	7,168.00	7,168.00	327.96	248.51	-94.01	305.89	-6,912.85	3,289.10	3,002.92	286.18	11.493		
18,500.00	7,151.20	7,168.20	7,168.20	330.78	248.52	-94.13	305.89	-6,912.85	3,389.07	3,102.74	286.32	11.837		
18,600.00	7,151.40	7,168.40	7,168.40	333.61	248.53	-94.25	305.89	-6,912.85	3,489.03	3,202.57	286.46	12.180		
18,700.00	7,151.59	7,168.59	7,168.59	336.43	248.53	-94.37	305.89	-6,912.85	3,589.00	3,302.40	286.60	12.523		
18,800.00	7,151.79	7,168.79	7,168.79	339.26	248.54	-94.50	305.89	-6,912.85	3,688.96	3,402.23	286.74	12.865		
18,906.26	7,152.00	7,169.00	7,169.00	342.26	248.55	-94.62	305.89	-6,912.85	3,795.19	3,508.31	286.88	13.229		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-100.82	-1,389.85	-7,270.43	7,402.08					
100.00	100.00	104.00	104.00	3.28	3.78	-100.82	-1,389.85	-7,270.43	7,402.08	7,395.01	7.07	1,047.291		
200.00	200.00	204.00	204.00	3.34	6.30	-100.82	-1,389.85	-7,270.43	7,402.08	7,392.44	9.63	768.269		
300.00	299.98	303.98	303.98	3.44	9.45	179.18	-1,389.85	-7,270.43	7,403.82	7,390.93	12.90	574.074		
400.00	399.84	403.84	403.84	3.60	12.78	179.18	-1,389.85	-7,270.43	7,409.06	7,392.68	16.38	452.267		
500.00	499.45	503.45	503.45	3.81	16.17	179.17	-1,389.85	-7,270.43	7,417.77	7,397.80	19.97	371.383		
600.00	598.70	602.70	602.70	4.06	19.57	179.17	-1,389.85	-7,270.43	7,429.96	7,406.33	23.63	314.491		
700.00	697.47	701.47	701.47	4.34	22.98	179.17	-1,389.85	-7,270.43	7,445.60	7,418.28	27.31	272.599		
785.50	781.43	785.43	785.43	4.61	25.88	179.17	-1,389.85	-7,270.43	7,461.70	7,431.21	30.48	244.778		
800.00	795.63	800.37	799.63	4.66	26.40	179.17	-1,389.85	-7,270.43	7,464.64	7,433.59	31.05	240.399		
900.00	893.55	902.45	897.55	5.02	29.94	179.17	-1,389.85	-7,270.43	7,484.93	7,450.02	34.92	214.376		
1,000.00	991.47	1,004.53	995.47	5.40	33.48	179.17	-1,389.85	-7,270.43	7,505.23	7,466.42	38.80	193.409		
1,100.00	1,089.39	1,106.61	1,093.39	5.80	37.03	179.17	-1,389.85	-7,270.43	7,525.52	7,482.81	42.72	176.178		
1,200.00	1,187.31	1,208.69	1,191.31	6.21	40.58	179.18	-1,389.85	-7,270.43	7,545.81	7,499.17	46.64	161.780		
1,300.00	1,285.22	1,289.22	1,289.22	6.64	43.39	179.18	-1,389.85	-7,270.43	7,566.11	7,516.28	49.83	151.830		
1,400.00	1,383.14	1,387.14	1,387.14	7.08	46.79	179.18	-1,389.85	-7,270.43	7,586.40	7,532.76	53.64	141.434		
1,500.00	1,481.06	1,485.06	1,485.06	7.52	50.21	179.18	-1,389.85	-7,270.43	7,606.70	7,549.24	57.45	132.394		
1,600.00	1,578.98	1,582.98	1,582.98	7.98	53.62	179.18	-1,389.85	-7,270.43	7,626.99	7,565.71	61.28	124.465		
1,700.00	1,676.90	1,680.90	1,680.90	8.44	57.03	179.19	-1,389.85	-7,270.43	7,647.28	7,582.18	65.11	117.456		
1,800.00	1,774.82	1,778.82	1,778.82	8.90	60.44	179.19	-1,389.85	-7,270.43	7,667.58	7,598.63	68.94	111.216		
1,900.00	1,872.74	1,876.74	1,876.74	9.37	63.86	179.19	-1,389.85	-7,270.43	7,687.87	7,615.09	72.78	105.627		
2,000.00	1,970.66	1,974.66	1,974.66	9.84	67.27	179.19	-1,389.85	-7,270.43	7,708.17	7,631.54	76.63	100.593		
2,100.00	2,068.57	2,072.57	2,072.57	10.32	70.68	179.20	-1,389.85	-7,270.43	7,728.46	7,647.98	80.47	96.036		
2,200.00	2,166.49	2,170.49	2,170.49	10.80	74.10	179.20	-1,389.85	-7,270.43	7,748.75	7,664.43	84.33	91.891		
2,300.00	2,264.41	2,268.41	2,268.41	11.28	77.51	179.20	-1,389.85	-7,270.43	7,769.05	7,680.87	88.18	88.106		
2,400.00	2,362.33	2,366.33	2,366.33	11.76	80.93	179.20	-1,389.85	-7,270.43	7,789.34	7,697.31	92.03	84.635		
2,500.00	2,460.25	2,464.25	2,464.25	12.24	84.35	179.20	-1,389.85	-7,270.43	7,809.64	7,713.74	95.89	81.442		
2,600.00	2,558.17	2,562.17	2,562.17	12.73	87.76	179.21	-1,389.85	-7,270.43	7,829.93	7,730.18	99.75	78.494		
2,700.00	2,656.09	2,660.09	2,660.09	13.22	91.18	179.21	-1,389.85	-7,270.43	7,850.22	7,746.61	103.61	75.765		
2,800.00	2,754.01	2,758.01	2,758.01	13.71	94.59	179.21	-1,389.85	-7,270.43	7,870.52	7,763.04	107.48	73.231		
2,900.00	2,851.92	2,855.92	2,855.92	14.20	98.01	179.21	-1,389.85	-7,270.43	7,890.81	7,779.47	111.34	70.871		
3,000.00	2,949.84	2,953.84	2,953.84	14.69	101.43	179.21	-1,389.85	-7,270.43	7,911.11	7,795.90	115.21	68.670		
3,100.00	3,047.76	3,051.76	3,051.76	15.18	104.84	179.22	-1,389.85	-7,270.43	7,931.40	7,812.33	119.07	66.610		
3,200.00	3,145.68	3,149.68	3,149.68	15.67	108.26	179.22	-1,389.85	-7,270.43	7,951.69	7,828.75	122.94	64.680		
3,300.00	3,243.60	3,247.60	3,247.60	16.17	111.68	179.22	-1,389.85	-7,270.43	7,971.99	7,845.18	126.81	62.867		
3,400.00	3,341.52	3,345.52	3,345.52	16.66	115.09	179.22	-1,389.85	-7,270.43	7,992.28	7,861.60	130.68	61.161		
3,500.00	3,439.44	3,443.44	3,443.44	17.16	118.51	179.22	-1,389.85	-7,270.43	8,012.58	7,878.03	134.55	59.553		
3,600.00	3,537.36	3,541.36	3,541.36	17.65	121.93	179.23	-1,389.85	-7,270.43	8,032.87	7,894.45	138.42	58.034		
3,700.00	3,635.27	3,639.27	3,639.27	18.15	125.34	179.23	-1,389.85	-7,270.43	8,053.16	7,910.88	142.29	56.598		
3,800.00	3,733.19	3,737.19	3,737.19	18.65	128.76	179.23	-1,389.85	-7,270.43	8,073.46	7,927.30	146.16	55.237		
3,900.00	3,831.11	3,835.11	3,835.11	19.14	132.18	179.23	-1,389.85	-7,270.43	8,093.75	7,943.72	150.03	53.947		
4,000.00	3,929.03	3,933.03	3,933.03	19.64	135.60	179.23	-1,389.85	-7,270.43	8,114.05	7,960.14	153.91	52.721		
4,100.00	4,026.95	4,030.95	4,030.95	20.14	139.01	179.24	-1,389.85	-7,270.43	8,134.34	7,976.56	157.78	51.555		
4,200.00	4,124.87	4,128.87	4,128.87	20.64	142.43	179.24	-1,389.85	-7,270.43	8,154.63	7,992.98	161.65	50.446		
4,300.00	4,222.79	4,226.79	4,226.79	21.14	145.85	179.24	-1,389.85	-7,270.43	8,174.93	8,009.40	165.53	49.387		
4,400.00	4,320.71	4,324.71	4,324.71	21.64	149.27	179.24	-1,389.85	-7,270.43	8,195.22	8,025.82	169.40	48.378		
4,500.00	4,418.62	4,422.62	4,422.62	22.14	152.68	179.24	-1,389.85	-7,270.43	8,215.52	8,042.24	173.28	47.413		
4,600.00	4,516.54	4,520.54	4,520.54	22.64	156.10	179.25	-1,389.85	-7,270.43	8,235.81	8,058.66	177.15	46.490		
4,700.00	4,614.46	4,618.46	4,618.46	23.14	159.52	179.25	-1,389.85	-7,270.43	8,256.10	8,075.08	181.03	45.607		
4,800.00	4,712.38	4,716.38	4,716.38	23.64	162.94	179.25	-1,389.85	-7,270.43	8,276.40	8,091.50	184.90	44.761		
4,900.00	4,810.30	4,814.30	4,814.30	24.14	166.35	179.25	-1,389.85	-7,270.43	8,296.69	8,107.91	188.78	43.949		
5,000.00	4,908.22	4,912.22	4,912.22	24.64	169.77	179.25	-1,389.85	-7,270.43	8,316.99	8,124.33	192.66	43.170		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,010.14	5,010.14	25.14	173.19	179.25	-1,389.85	-7,270.43	8,337.28	8,140.75	196.53	42.422		
5,200.00	5,104.06	5,108.06	5,108.06	25.64	176.61	179.26	-1,389.85	-7,270.43	8,357.58	8,157.17	200.41	41.703		
5,300.00	5,201.97	5,205.97	5,205.97	26.14	180.03	179.26	-1,389.85	-7,270.43	8,377.87	8,173.58	204.29	41.011		
5,400.00	5,299.89	5,303.89	5,303.89	26.64	183.44	179.26	-1,389.85	-7,270.43	8,398.16	8,190.00	208.16	40.344		
5,500.00	5,397.81	5,401.81	5,401.81	27.15	186.86	179.26	-1,389.85	-7,270.43	8,418.46	8,206.42	212.04	39.702		
5,600.00	5,495.73	5,500.27	5,499.73	27.65	190.30	179.26	-1,389.85	-7,270.43	8,438.75	8,222.81	215.94	39.080		
5,700.00	5,593.65	5,602.35	5,597.65	28.15	193.86	179.27	-1,389.85	-7,270.43	8,459.05	8,239.09	219.96	38.457		
5,800.00	5,691.57	5,704.43	5,695.57	28.65	197.42	179.27	-1,389.85	-7,270.43	8,479.34	8,255.36	223.98	37.857		
5,900.00	5,789.49	5,806.51	5,793.49	29.15	200.99	179.27	-1,389.85	-7,270.43	8,499.63	8,271.63	228.01	37.278		
6,000.00	5,887.41	5,908.60	5,891.41	29.66	204.55	179.27	-1,389.85	-7,270.43	8,519.93	8,287.90	232.03	36.719		
6,100.00	5,985.32	5,989.32	5,989.32	30.16	207.37	179.27	-1,389.85	-7,270.43	8,540.22	8,304.91	235.31	36.293		
6,200.00	6,083.24	6,087.24	6,087.24	30.66	210.79	179.27	-1,389.85	-7,270.43	8,560.52	8,321.33	239.19	35.790		
6,300.00	6,181.16	6,185.16	6,185.16	31.16	214.20	179.28	-1,389.85	-7,270.43	8,580.81	8,337.74	243.07	35.302		
6,400.00	6,279.08	6,283.08	6,283.08	31.67	217.62	179.28	-1,389.85	-7,270.43	8,601.11	8,354.16	246.95	34.830		
6,490.03	6,367.24	6,371.24	6,371.24	32.12	220.70	179.28	-1,389.85	-7,270.43	8,619.38	8,368.94	250.44	34.417		
6,500.00	6,377.01	6,381.01	6,381.01	32.17	221.04	-179.76	-1,389.85	-7,270.43	8,621.33	8,370.50	250.83	34.372		
6,550.00	6,426.43	6,430.43	6,430.43	32.40	222.77	-171.20	-1,389.85	-7,270.43	8,628.83	8,376.05	252.77	34.137		
6,600.00	6,476.27	6,480.27	6,480.27	32.61	224.51	-136.48	-1,389.85	-7,270.43	8,632.51	8,377.79	254.72	33.890		
6,650.00	6,526.21	6,530.21	6,530.21	32.80	226.25	-50.26	-1,389.85	-7,270.43	8,632.36	8,375.71	256.66	33.634		
6,700.00	6,575.96	6,579.96	6,579.96	32.98	227.98	-29.31	-1,389.85	-7,270.43	8,628.38	8,369.81	258.56	33.371		
6,750.00	6,625.19	6,629.19	6,629.19	33.16	229.70	-23.20	-1,389.85	-7,270.43	8,620.58	8,360.14	260.43	33.101		
6,800.00	6,673.62	6,677.62	6,677.62	33.35	231.39	-20.53	-1,389.85	-7,270.43	8,609.02	8,346.75	262.26	32.826		
6,850.00	6,720.94	6,724.94	6,724.94	33.55	233.05	-19.21	-1,389.85	-7,270.43	8,593.77	8,329.73	264.04	32.548		
6,900.00	6,766.86	6,770.86	6,770.86	33.76	234.65	-18.60	-1,389.85	-7,270.43	8,574.92	8,309.18	265.74	32.268		
6,950.00	6,811.10	6,815.10	6,815.10	33.98	236.19	-18.43	-1,389.85	-7,270.43	8,552.60	8,285.22	267.38	31.987		
7,000.00	6,853.38	6,857.38	6,857.38	34.23	237.67	-18.60	-1,389.85	-7,270.43	8,526.94	8,258.02	268.93	31.707		
7,050.00	6,893.45	6,902.55	6,897.45	34.50	239.25	-19.08	-1,389.85	-7,270.43	8,498.11	8,227.54	270.56	31.409		
7,100.00	6,931.05	6,935.05	6,935.05	34.79	240.38	-19.86	-1,389.85	-7,270.43	8,466.27	8,194.53	271.75	31.155		
7,150.00	6,965.96	6,969.96	6,969.96	35.12	241.60	-20.98	-1,389.85	-7,270.43	8,431.64	8,158.64	273.00	30.885		
7,200.00	6,997.96	7,001.96	7,001.96	35.47	242.72	-22.48	-1,389.85	-7,270.43	8,394.42	8,120.27	274.15	30.620		
7,250.00	7,026.85	7,030.85	7,030.85	35.86	243.72	-24.49	-1,389.85	-7,270.43	8,354.85	8,079.67	275.18	30.361		
7,300.00	7,052.45	7,056.45	7,056.45	36.29	244.62	-27.16	-1,389.85	-7,270.43	8,313.16	8,037.07	276.09	30.110		
7,350.00	7,074.61	7,078.61	7,078.61	36.76	245.39	-30.73	-1,389.85	-7,270.43	8,269.63	7,992.75	276.88	29.867		
7,400.00	7,093.19	7,102.81	7,097.19	37.27	246.24	-35.62	-1,389.85	-7,270.43	8,224.52	7,946.78	277.74	29.612		
7,450.00	7,108.07	7,112.07	7,112.07	37.81	246.56	-42.43	-1,389.85	-7,270.43	8,178.11	7,900.02	278.08	29.409		
7,500.00	7,119.17	7,123.17	7,123.17	38.39	246.95	-52.08	-1,389.85	-7,270.43	8,130.68	7,852.19	278.49	29.196		
7,550.00	7,126.41	7,130.41	7,130.41	38.99	247.20	-65.61	-1,389.85	-7,270.43	8,082.52	7,803.75	278.77	28.993		
7,600.00	7,129.75	7,133.75	7,133.75	39.62	247.32	-83.19	-1,389.85	-7,270.43	8,033.95	7,755.02	278.92	28.803		
7,616.41	7,130.00	7,134.00	7,134.00	39.83	247.32	-89.52	-1,389.85	-7,270.43	8,017.97	7,739.02	278.95	28.744		
7,700.00	7,130.16	7,134.16	7,134.16	40.97	247.33	-89.52	-1,389.85	-7,270.43	7,936.55	7,657.51	279.03	28.443		
7,800.00	7,130.35	7,134.35	7,134.35	42.46	247.34	-89.53	-1,389.85	-7,270.43	7,839.20	7,560.05	279.15	28.082		
7,900.00	7,130.55	7,134.55	7,134.55	44.09	247.34	-89.54	-1,389.85	-7,270.43	7,741.93	7,462.64	279.29	27.720		
8,000.00	7,130.74	7,134.74	7,134.74	45.84	247.35	-89.54	-1,389.85	-7,270.43	7,644.73	7,365.27	279.46	27.356		
8,100.00	7,130.94	7,134.94	7,134.94	47.70	247.36	-89.55	-1,389.85	-7,270.43	7,547.60	7,267.96	279.64	26.990		
8,200.00	7,131.13	7,135.13	7,135.13	49.65	247.36	-89.56	-1,389.85	-7,270.43	7,450.54	7,170.70	279.85	26.624		
8,300.00	7,131.32	7,135.32	7,135.32	51.70	247.37	-89.56	-1,389.85	-7,270.43	7,353.57	7,073.49	280.08	26.255		
8,400.00	7,131.52	7,135.52	7,135.52	53.81	247.38	-89.57	-1,389.85	-7,270.43	7,256.68	6,976.33	280.34	25.885		
8,500.00	7,131.71	7,135.71	7,135.71	55.99	247.38	-89.57	-1,389.85	-7,270.43	7,159.87	6,879.24	280.63	25.514		
8,600.00	7,131.90	7,135.90	7,135.90	58.24	247.39	-89.58	-1,389.85	-7,270.43	7,063.15	6,782.20	280.95	25.141		
8,700.00	7,132.10	7,136.10	7,136.10	60.53	247.40	-89.59	-1,389.85	-7,270.43	6,966.52	6,685.23	281.29	24.766		
8,800.00	7,132.29	7,136.29	7,136.29	62.87	247.40	-89.59	-1,389.85	-7,270.43	6,869.99	6,588.32	281.67	24.390		
8,900.00	7,132.49	7,136.49	7,136.49	65.25	247.41	-89.60	-1,389.85	-7,270.43	6,773.56	6,491.48	282.08	24.013		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,136.68	7,136.68	67.68	247.42	-89.60	-1,389.85	-7,270.43	6,677.24	6,394.71	282.53	23.634		
9,100.00	7,132.87	7,136.87	7,136.87	70.13	247.43	-89.61	-1,389.85	-7,270.43	6,581.03	6,298.01	283.01	23.253		
9,200.00	7,133.07	7,137.07	7,137.07	72.61	247.43	-89.62	-1,389.85	-7,270.43	6,484.93	6,201.39	283.53	22.872		
9,300.00	7,133.26	7,137.26	7,137.26	75.13	247.44	-89.62	-1,389.85	-7,270.43	6,388.95	6,104.85	284.09	22.489		
9,400.00	7,133.46	7,137.46	7,137.46	77.66	247.45	-89.63	-1,389.85	-7,270.43	6,293.09	6,008.40	284.70	22.105		
9,500.00	7,133.65	7,137.65	7,137.65	80.22	247.45	-89.64	-1,389.85	-7,270.43	6,197.37	5,912.03	285.34	21.719		
9,600.00	7,133.84	7,137.84	7,137.84	82.80	247.46	-89.64	-1,389.85	-7,270.43	6,101.78	5,815.75	286.03	21.333		
9,700.00	7,134.04	7,138.04	7,138.04	85.40	247.47	-89.65	-1,389.85	-7,270.43	6,006.34	5,719.58	286.76	20.945		
9,800.00	7,134.23	7,138.23	7,138.23	88.01	247.47	-89.65	-1,389.85	-7,270.43	5,911.05	5,623.50	287.55	20.557		
9,900.00	7,134.43	7,138.43	7,138.43	90.64	247.48	-89.66	-1,389.85	-7,270.43	5,815.91	5,527.53	288.38	20.167		
10,000.00	7,134.62	7,138.62	7,138.62	93.28	247.49	-89.67	-1,389.85	-7,270.43	5,720.95	5,431.68	289.27	19.777		
10,100.00	7,134.81	7,138.81	7,138.81	95.94	247.49	-89.67	-1,389.85	-7,270.43	5,626.15	5,335.94	290.21	19.387		
10,200.00	7,135.01	7,139.01	7,139.01	98.61	247.50	-89.68	-1,389.85	-7,270.43	5,531.54	5,240.34	291.20	18.995		
10,300.00	7,135.20	7,139.20	7,139.20	101.28	247.51	-89.68	-1,389.85	-7,270.43	5,437.12	5,144.86	292.26	18.604		
10,400.00	7,135.39	7,139.39	7,139.39	103.97	247.51	-89.69	-1,389.85	-7,270.43	5,342.91	5,049.53	293.38	18.212		
10,500.00	7,135.59	7,139.59	7,139.59	106.67	247.52	-89.70	-1,389.85	-7,270.43	5,248.91	4,954.35	294.55	17.820		
10,600.00	7,135.78	7,139.78	7,139.78	109.38	247.53	-89.70	-1,389.85	-7,270.43	5,155.14	4,859.33	295.80	17.428		
10,700.00	7,135.98	7,139.98	7,139.98	112.09	247.53	-89.71	-1,389.85	-7,270.43	5,061.60	4,764.48	297.11	17.036		
10,800.00	7,136.17	7,140.17	7,140.17	114.81	247.54	-89.72	-1,389.85	-7,270.43	4,968.31	4,669.81	298.50	16.644		
10,900.00	7,136.36	7,140.36	7,140.36	117.54	247.55	-89.72	-1,389.85	-7,270.43	4,875.30	4,575.34	299.96	16.253		
11,000.00	7,136.56	7,140.56	7,140.56	120.28	247.55	-89.73	-1,389.85	-7,270.43	4,782.56	4,481.06	301.50	15.863		
11,100.00	7,136.75	7,140.75	7,140.75	123.02	247.56	-89.73	-1,389.85	-7,270.43	4,690.12	4,387.00	303.12	15.473		
11,200.00	7,136.95	7,140.95	7,140.95	125.76	247.57	-89.74	-1,389.85	-7,270.43	4,598.00	4,293.18	304.82	15.084		
11,300.00	7,137.14	7,141.14	7,141.14	128.52	247.57	-89.75	-1,389.85	-7,270.43	4,506.22	4,199.60	306.62	14.696		
11,400.00	7,137.33	7,141.33	7,141.33	131.27	247.58	-89.75	-1,389.85	-7,270.43	4,414.79	4,106.28	308.51	14.310		
11,500.00	7,137.53	7,141.53	7,141.53	134.03	247.59	-89.76	-1,389.85	-7,270.43	4,323.74	4,013.25	310.49	13.926		
11,600.00	7,137.72	7,141.72	7,141.72	136.80	247.59	-89.76	-1,389.85	-7,270.43	4,233.09	3,920.52	312.57	13.543		
11,700.00	7,137.92	7,141.92	7,141.92	139.57	247.60	-89.77	-1,389.85	-7,270.43	4,142.88	3,828.11	314.77	13.162		
11,800.00	7,138.11	7,142.11	7,142.11	142.34	247.61	-89.78	-1,389.85	-7,270.43	4,053.12	3,736.05	317.07	12.783		
11,900.00	7,138.30	7,142.30	7,142.30	145.12	247.61	-89.78	-1,389.85	-7,270.43	3,963.86	3,644.37	319.49	12.407		
12,000.00	7,138.50	7,142.50	7,142.50	147.90	247.62	-89.79	-1,389.85	-7,270.43	3,875.12	3,553.08	322.04	12.033		
12,100.00	7,138.69	7,142.69	7,142.69	150.68	247.63	-89.80	-1,389.85	-7,270.43	3,786.94	3,462.23	324.71	11.663		
12,200.00	7,138.88	7,142.88	7,142.88	153.47	247.63	-89.80	-1,389.85	-7,270.43	3,699.36	3,371.84	327.52	11.295		
12,300.00	7,139.08	7,143.08	7,143.08	156.26	247.64	-89.81	-1,389.85	-7,270.43	3,612.43	3,281.96	330.47	10.931		
12,400.00	7,139.27	7,143.27	7,143.27	159.05	247.65	-89.81	-1,389.85	-7,270.43	3,526.19	3,192.62	333.57	10.571		
12,500.00	7,139.47	7,143.47	7,143.47	161.85	247.66	-89.82	-1,389.85	-7,270.43	3,440.69	3,103.87	336.83	10.215		
12,600.00	7,139.66	7,143.66	7,143.66	164.64	247.66	-89.83	-1,389.85	-7,270.43	3,356.00	3,015.75	340.25	9.863		
12,700.00	7,139.85	7,143.85	7,143.85	167.44	247.67	-89.83	-1,389.85	-7,270.43	3,272.17	2,928.33	343.84	9.517		
12,800.00	7,140.05	7,144.05	7,144.05	170.24	247.68	-89.84	-1,389.85	-7,270.43	3,189.27	2,841.67	347.61	9.175		
12,900.00	7,140.24	7,144.24	7,144.24	173.05	247.68	-89.84	-1,389.85	-7,270.43	3,107.38	2,755.82	351.56	8.839		
13,000.00	7,140.44	7,144.44	7,144.44	175.85	247.69	-89.85	-1,389.85	-7,270.43	3,026.58	2,670.86	355.72	8.508		
13,100.00	7,140.63	7,144.63	7,144.63	178.66	247.70	-89.86	-1,389.85	-7,270.43	2,946.96	2,586.89	360.07	8.184		
13,200.00	7,140.82	7,144.82	7,144.82	181.47	247.70	-89.86	-1,389.85	-7,270.43	2,868.61	2,503.98	364.63	7.867		
13,300.00	7,141.02	7,145.02	7,145.02	184.28	247.71	-89.87	-1,389.85	-7,270.43	2,791.65	2,422.24	369.41	7.557		
13,400.00	7,141.21	7,145.21	7,145.21	187.10	247.72	-89.88	-1,389.85	-7,270.43	2,716.18	2,341.78	374.41	7.255		
13,500.00	7,141.41	7,145.41	7,145.41	189.91	247.72	-89.88	-1,389.85	-7,270.43	2,642.35	2,262.73	379.63	6.960		
13,600.00	7,141.60	7,145.60	7,145.60	192.73	247.73	-89.89	-1,389.85	-7,270.43	2,570.29	2,185.22	385.07	6.675		
13,700.00	7,141.79	7,145.79	7,145.79	195.54	247.74	-89.89	-1,389.85	-7,270.43	2,500.15	2,109.42	390.73	6.399		
13,800.00	7,141.99	7,145.99	7,145.99	198.36	247.74	-89.90	-1,389.85	-7,270.43	2,432.10	2,035.49	396.61	6.132		
13,900.00	7,142.18	7,146.18	7,146.18	201.18	247.75	-89.91	-1,389.85	-7,270.43	2,366.32	1,963.62	402.70	5.876		
14,000.00	7,142.37	7,146.37	7,146.37	204.01	247.76	-89.91	-1,389.85	-7,270.43	2,303.01	1,894.02	408.99	5.631		
14,100.00	7,142.57	7,146.57	7,146.57	206.83	247.76	-89.92	-1,389.85	-7,270.43	2,242.36	1,826.92	415.44	5.398		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	7,146.76	7,146.76	209.65	247.77	-89.92	-1,389.85	-7,270.43	2,184.62	1,762.58	422.04	5.176		
14,300.00	7,142.96	7,146.96	7,146.96	212.48	247.78	-89.93	-1,389.85	-7,270.43	2,130.01	1,701.25	428.76	4.968		
14,400.00	7,143.15	7,147.15	7,147.15	215.30	247.78	-89.94	-1,389.85	-7,270.43	2,078.77	1,643.24	435.53	4.773		
14,500.00	7,143.34	7,147.34	7,147.34	218.13	247.79	-89.94	-1,389.85	-7,270.43	2,031.17	1,588.85	442.32	4.592		
14,600.00	7,143.54	7,147.54	7,147.54	220.96	247.80	-89.95	-1,389.85	-7,270.43	1,987.46	1,538.41	449.06	4.426		
14,700.00	7,143.73	7,147.73	7,147.73	223.79	247.80	-89.96	-1,389.85	-7,270.43	1,947.92	1,492.25	455.67	4.275		
14,800.00	7,143.93	7,147.93	7,147.93	226.62	247.81	-89.96	-1,389.85	-7,270.43	1,912.78	1,450.71	462.07	4.140		
14,838.32	7,144.00	7,148.00	7,148.00	227.70	247.81	-89.96	-1,389.85	-7,270.43	1,900.54	1,436.09	464.46	4.092		
14,900.00	7,144.12	7,148.12	7,148.12	229.45	247.82	-89.96	-1,389.85	-7,270.43	1,881.68	1,413.50	468.18	4.019		
15,000.00	7,144.32	7,148.32	7,148.32	232.26	247.82	-89.97	-1,389.85	-7,270.43	1,852.32	1,378.47	473.85	3.909		
15,027.81	7,144.37	7,148.37	7,148.37	233.04	247.83	-89.97	-1,389.85	-7,270.43	1,844.44	1,369.09	475.34	3.880		
15,100.00	7,144.51	7,148.51	7,148.51	235.07	247.83	-89.97	-1,389.85	-7,270.43	1,825.45	1,346.41	479.05	3.811		
15,200.00	7,144.71	7,148.71	7,148.71	237.87	247.84	-89.98	-1,389.85	-7,270.43	1,803.60	1,319.87	483.74	3.728		
15,300.00	7,144.91	7,148.91	7,148.91	240.68	247.84	-89.98	-1,389.85	-7,270.43	1,787.09	1,299.25	487.84	3.663		
15,400.00	7,145.10	7,149.10	7,149.10	243.48	247.85	-89.99	-1,389.85	-7,270.43	1,776.06	1,284.78	491.28	3.615		
15,500.00	7,145.30	7,149.30	7,149.30	246.29	247.86	-90.00	-1,389.85	-7,270.43	1,770.63	1,276.62	494.00	3.584		
15,546.45	7,145.39	7,149.39	7,149.39	247.59	247.86	-90.00	-1,389.85	-7,270.43	1,770.02	1,275.01	495.01	3.576 CC		
15,600.00	7,145.50	7,149.50	7,149.50	249.10	247.87	-90.00	-1,389.85	-7,270.43	1,770.83	1,274.86	495.96	3.570 ES, SF		
15,700.00	7,145.69	7,149.69	7,149.69	251.91	247.87	-90.01	-1,389.85	-7,270.43	1,776.66	1,279.52	497.15	3.574		
15,800.00	7,145.89	7,149.89	7,149.89	254.71	247.88	-90.02	-1,389.85	-7,270.43	1,788.08	1,290.53	497.56	3.594		
15,900.00	7,146.09	7,150.09	7,150.09	257.52	247.89	-90.02	-1,389.85	-7,270.43	1,804.98	1,307.76	497.22	3.630		
16,000.00	7,146.28	7,150.28	7,150.28	260.34	247.89	-90.03	-1,389.85	-7,270.43	1,827.20	1,331.03	496.17	3.683		
16,100.00	7,146.48	7,150.48	7,150.48	263.15	247.90	-90.04	-1,389.85	-7,270.43	1,854.55	1,360.07	494.49	3.750		
16,200.00	7,146.68	7,150.68	7,150.68	265.96	247.91	-90.04	-1,389.85	-7,270.43	1,886.82	1,394.59	492.22	3.833		
16,300.00	7,146.87	7,150.87	7,150.87	268.77	247.91	-90.05	-1,389.85	-7,270.43	1,923.74	1,434.28	489.47	3.930		
16,400.00	7,147.07	7,151.07	7,151.07	271.58	247.92	-90.05	-1,389.85	-7,270.43	1,965.07	1,478.78	486.29	4.041		
16,500.00	7,147.27	7,151.27	7,151.27	274.40	247.93	-90.06	-1,389.85	-7,270.43	2,010.53	1,527.75	482.77	4.165		
16,600.00	7,147.46	7,151.46	7,151.46	277.21	247.93	-90.07	-1,389.85	-7,270.43	2,059.84	1,580.84	478.99	4.300		
16,700.00	7,147.66	7,151.66	7,151.66	280.03	247.94	-90.07	-1,389.85	-7,270.43	2,112.73	1,637.71	475.02	4.448		
16,800.00	7,147.86	7,151.86	7,151.86	282.84	247.95	-90.08	-1,389.85	-7,270.43	2,168.95	1,698.05	470.90	4.606		
16,900.00	7,148.05	7,152.05	7,152.05	285.66	247.95	-90.09	-1,389.85	-7,270.43	2,228.24	1,761.53	466.71	4.774		
17,000.00	7,148.25	7,152.25	7,152.25	288.48	247.96	-90.09	-1,389.85	-7,270.43	2,290.36	1,827.89	462.48	4.952		
17,100.00	7,148.45	7,152.45	7,152.45	291.29	247.97	-90.10	-1,389.85	-7,270.43	2,355.09	1,896.85	458.25	5.139		
17,200.00	7,148.64	7,152.64	7,152.64	294.11	247.98	-90.11	-1,389.85	-7,270.43	2,422.23	1,968.18	454.05	5.335		
17,300.00	7,148.84	7,152.84	7,152.84	296.93	247.98	-90.11	-1,389.85	-7,270.43	2,491.56	2,041.65	449.91	5.538		
17,400.00	7,149.04	7,153.04	7,153.04	299.75	247.99	-90.12	-1,389.85	-7,270.43	2,562.93	2,117.08	445.85	5.748		
17,500.00	7,149.23	7,153.23	7,153.23	302.57	248.00	-90.12	-1,389.85	-7,270.43	2,636.15	2,194.28	441.88	5.966		
17,600.00	7,149.43	7,153.43	7,153.43	305.39	248.00	-90.13	-1,389.85	-7,270.43	2,711.09	2,273.08	438.01	6.190		
17,700.00	7,149.63	7,153.63	7,153.63	308.21	248.01	-90.14	-1,389.85	-7,270.43	2,787.60	2,353.34	434.26	6.419		
17,800.00	7,149.82	7,153.82	7,153.82	311.03	248.02	-90.14	-1,389.85	-7,270.43	2,865.56	2,434.94	430.62	6.654		
17,900.00	7,150.02	7,154.02	7,154.02	313.85	248.02	-90.15	-1,389.85	-7,270.43	2,944.85	2,517.74	427.11	6.895		
18,000.00	7,150.22	7,154.22	7,154.22	316.67	248.03	-90.16	-1,389.85	-7,270.43	3,025.37	2,601.66	423.71	7.140		
18,100.00	7,150.41	7,154.41	7,154.41	319.49	248.04	-90.16	-1,389.85	-7,270.43	3,107.02	2,686.58	420.44	7.390		
18,200.00	7,150.61	7,154.61	7,154.61	322.32	248.04	-90.17	-1,389.85	-7,270.43	3,189.71	2,772.43	417.29	7.644		
18,300.00	7,150.81	7,154.81	7,154.81	325.14	248.05	-90.18	-1,389.85	-7,270.43	3,273.37	2,859.12	414.25	7.902		
18,400.00	7,151.00	7,155.00	7,155.00	327.96	248.06	-90.18	-1,389.85	-7,270.43	3,357.93	2,946.60	411.33	8.164		
18,500.00	7,151.20	7,155.20	7,155.20	330.78	248.06	-90.19	-1,389.85	-7,270.43	3,443.31	3,034.79	408.52	8.429		
18,600.00	7,151.40	7,155.40	7,155.40	333.61	248.07	-90.19	-1,389.85	-7,270.43	3,529.46	3,123.64	405.82	8.697		
18,700.00	7,151.59	7,155.59	7,155.59	336.43	248.08	-90.20	-1,389.85	-7,270.43	3,616.32	3,213.09	403.23	8.968		
18,800.00	7,151.79	7,155.79	7,155.79	339.26	248.09	-90.21	-1,389.85	-7,270.43	3,703.85	3,303.11	400.74	9.243		
18,906.26	7,152.00	7,156.00	7,156.00	342.26	248.09	-90.21	-1,389.85	-7,270.43	3,797.53	3,399.34	398.20	9.537		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-88.06	188.61	-5,576.64	5,579.83					
100.00	100.00	110.00	110.00	3.28	3.89	-88.06	188.61	-5,576.64	5,579.83	5,572.65	7.18	777.519		
200.00	200.00	210.00	210.00	3.34	6.48	-88.06	188.61	-5,576.64	5,579.83	5,570.01	9.81	568.530		
300.00	299.98	309.98	309.98	3.44	9.65	-168.06	188.61	-5,576.64	5,581.54	5,568.44	13.09	426.278		
400.00	399.84	409.84	409.84	3.60	12.98	-168.05	188.61	-5,576.64	5,586.66	5,570.07	16.58	336.865		
500.00	499.45	509.45	509.45	3.81	16.37	-168.03	188.61	-5,576.64	5,595.18	5,575.01	20.18	277.297		
600.00	598.70	608.70	608.70	4.06	19.78	-168.01	188.61	-5,576.64	5,607.11	5,583.28	23.83	235.295		
700.00	697.47	707.47	707.47	4.34	23.19	-167.98	188.61	-5,576.64	5,622.42	5,594.90	27.52	204.318		
785.50	781.43	808.57	791.43	4.61	26.68	-167.94	188.61	-5,576.64	5,638.18	5,606.89	31.28	180.241		
800.00	795.63	805.63	805.63	4.66	26.58	-167.95	188.61	-5,576.64	5,641.06	5,609.83	31.23	180.633		
900.00	893.55	903.55	903.55	5.02	29.98	-167.99	188.61	-5,576.64	5,660.92	5,625.98	34.95	161.978		
1,000.00	991.47	1,001.47	1,001.47	5.40	33.38	-168.04	188.61	-5,576.64	5,680.80	5,642.10	38.69	146.816		
1,100.00	1,089.39	1,100.61	1,099.39	5.80	36.82	-168.08	188.61	-5,576.64	5,700.67	5,658.17	42.50	134.130		
1,200.00	1,187.31	1,202.69	1,197.31	6.21	40.37	-168.12	188.61	-5,576.64	5,720.55	5,674.12	46.43	123.215		
1,300.00	1,285.22	1,304.78	1,295.22	6.64	43.93	-168.16	188.61	-5,576.64	5,740.43	5,690.06	50.37	113.971		
1,400.00	1,383.14	1,406.86	1,393.14	7.08	47.48	-168.20	188.61	-5,576.64	5,760.31	5,705.99	54.32	106.047		
1,500.00	1,481.06	1,508.94	1,491.06	7.52	51.04	-168.24	188.61	-5,576.64	5,780.20	5,721.92	58.28	99.182		
1,600.00	1,578.98	1,588.98	1,588.98	7.98	53.83	-168.29	188.61	-5,576.64	5,800.08	5,738.60	61.48	94.343		
1,700.00	1,676.90	1,686.90	1,686.90	8.44	57.24	-168.33	188.61	-5,576.64	5,819.98	5,754.67	65.31	89.116		
1,800.00	1,774.82	1,784.82	1,784.82	8.90	60.65	-168.37	188.61	-5,576.64	5,839.87	5,770.73	69.14	84.461		
1,900.00	1,872.74	1,882.74	1,882.74	9.37	64.06	-168.41	188.61	-5,576.64	5,859.77	5,786.78	72.98	80.290		
2,000.00	1,970.66	1,980.66	1,980.66	9.84	67.48	-168.45	188.61	-5,576.64	5,879.67	5,802.84	76.83	76.532		
2,100.00	2,068.57	2,078.57	2,078.57	10.32	70.89	-168.49	188.61	-5,576.64	5,899.57	5,818.90	80.67	73.129		
2,200.00	2,166.49	2,176.49	2,176.49	10.80	74.31	-168.52	188.61	-5,576.64	5,919.47	5,834.95	84.52	70.034		
2,300.00	2,264.41	2,274.41	2,274.41	11.28	77.72	-168.56	188.61	-5,576.64	5,939.38	5,851.01	88.38	67.206		
2,400.00	2,362.33	2,372.33	2,372.33	11.76	81.14	-168.60	188.61	-5,576.64	5,959.29	5,867.06	92.23	64.613		
2,500.00	2,460.25	2,470.25	2,470.25	12.24	84.55	-168.64	188.61	-5,576.64	5,979.20	5,883.12	96.09	62.226		
2,600.00	2,558.17	2,568.17	2,568.17	12.73	87.97	-168.68	188.61	-5,576.64	5,999.12	5,899.17	99.95	60.023		
2,700.00	2,656.09	2,666.09	2,666.09	13.22	91.39	-168.72	188.61	-5,576.64	6,019.04	5,915.23	103.81	57.983		
2,800.00	2,754.01	2,764.01	2,764.01	13.71	94.80	-168.75	188.61	-5,576.64	6,038.96	5,931.29	107.67	56.088		
2,900.00	2,851.92	2,861.92	2,861.92	14.20	98.22	-168.79	188.61	-5,576.64	6,058.88	5,947.35	111.53	54.323		
3,000.00	2,949.84	2,959.84	2,959.84	14.69	101.64	-168.83	188.61	-5,576.64	6,078.81	5,963.41	115.40	52.677		
3,100.00	3,047.76	3,057.76	3,057.76	15.18	105.05	-168.87	188.61	-5,576.64	6,098.73	5,979.47	119.26	51.136		
3,200.00	3,145.68	3,155.68	3,155.68	15.67	108.47	-168.90	188.61	-5,576.64	6,118.66	5,995.53	123.13	49.692		
3,300.00	3,243.60	3,253.60	3,253.60	16.17	111.89	-168.94	188.61	-5,576.64	6,138.60	6,011.60	127.00	48.336		
3,400.00	3,341.52	3,351.52	3,351.52	16.66	115.30	-168.97	188.61	-5,576.64	6,158.53	6,027.67	130.87	47.060		
3,500.00	3,439.44	3,449.44	3,449.44	17.16	118.72	-169.01	188.61	-5,576.64	6,178.47	6,043.73	134.74	45.856		
3,600.00	3,537.36	3,547.36	3,547.36	17.65	122.14	-169.05	188.61	-5,576.64	6,198.41	6,059.80	138.61	44.720		
3,700.00	3,635.27	3,645.27	3,645.27	18.15	125.55	-169.08	188.61	-5,576.64	6,218.35	6,075.88	142.48	43.645		
3,800.00	3,733.19	3,743.19	3,743.19	18.65	128.97	-169.12	188.61	-5,576.64	6,238.30	6,091.95	146.35	42.627		
3,900.00	3,831.11	3,841.11	3,841.11	19.14	132.39	-169.15	188.61	-5,576.64	6,258.24	6,108.02	150.22	41.661		
4,000.00	3,929.03	3,939.03	3,939.03	19.64	135.81	-169.19	188.61	-5,576.64	6,278.19	6,124.10	154.09	40.743		
4,100.00	4,026.95	4,036.95	4,036.95	20.14	139.22	-169.22	188.61	-5,576.64	6,298.14	6,140.18	157.96	39.871		
4,200.00	4,124.87	4,134.87	4,134.87	20.64	142.64	-169.26	188.61	-5,576.64	6,318.10	6,156.26	161.84	39.040		
4,300.00	4,222.79	4,232.79	4,232.79	21.14	146.06	-169.29	188.61	-5,576.64	6,338.05	6,172.34	165.71	38.248		
4,400.00	4,320.71	4,330.71	4,330.71	21.64	149.48	-169.32	188.61	-5,576.64	6,358.01	6,188.42	169.58	37.492		
4,500.00	4,418.62	4,428.62	4,428.62	22.14	152.89	-169.36	188.61	-5,576.64	6,377.97	6,204.51	173.46	36.769		
4,600.00	4,516.54	4,526.54	4,526.54	22.64	156.31	-169.39	188.61	-5,576.64	6,397.93	6,220.60	177.33	36.079		
4,700.00	4,614.46	4,624.46	4,624.46	23.14	159.73	-169.42	188.61	-5,576.64	6,417.89	6,236.69	181.21	35.417		
4,800.00	4,712.38	4,722.38	4,722.38	23.64	163.15	-169.46	188.61	-5,576.64	6,437.86	6,252.78	185.08	34.784		
4,900.00	4,810.30	4,820.30	4,820.30	24.14	166.56	-169.49	188.61	-5,576.64	6,457.83	6,268.87	188.96	34.176		
5,000.00	4,908.22	4,918.22	4,918.22	24.64	169.98	-169.52	188.61	-5,576.64	6,477.80	6,284.96	192.83	33.593		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,016.14	5,016.14	25.14	173.40	-169.56	188.61	-5,576.64	6,497.77	6,301.06	196.71	33.032		
5,200.00	5,104.06	5,114.06	5,114.06	25.64	176.82	-169.59	188.61	-5,576.64	6,517.74	6,317.16	200.59	32.493		
5,300.00	5,201.97	5,211.97	5,211.97	26.14	180.23	-169.62	188.61	-5,576.64	6,537.72	6,333.26	204.46	31.975		
5,400.00	5,299.89	5,309.89	5,309.89	26.64	183.65	-169.65	188.61	-5,576.64	6,557.70	6,349.36	208.34	31.476		
5,500.00	5,397.81	5,407.81	5,407.81	27.15	187.07	-169.68	188.61	-5,576.64	6,577.68	6,365.46	212.22	30.995		
5,600.00	5,495.73	5,505.73	5,505.73	27.65	190.49	-169.72	188.61	-5,576.64	6,597.66	6,381.57	216.09	30.531		
5,700.00	5,593.65	5,603.65	5,603.65	28.15	193.91	-169.75	188.61	-5,576.64	6,617.64	6,397.67	219.97	30.084		
5,800.00	5,691.57	5,701.57	5,701.57	28.65	197.32	-169.78	188.61	-5,576.64	6,637.63	6,413.78	223.85	29.652		
5,900.00	5,789.49	5,800.51	5,799.49	29.15	200.78	-169.81	188.61	-5,576.64	6,657.62	6,429.86	227.76	29.231		
6,000.00	5,887.41	5,902.60	5,897.41	29.66	204.34	-169.84	188.61	-5,576.64	6,677.61	6,445.82	231.78	28.810		
6,100.00	5,985.32	6,004.68	5,995.32	30.16	207.90	-169.87	188.61	-5,576.64	6,697.60	6,461.79	235.81	28.403		
6,200.00	6,083.24	6,106.76	6,093.24	30.66	211.47	-169.90	188.61	-5,576.64	6,717.59	6,477.76	239.83	28.010		
6,300.00	6,181.16	6,208.84	6,191.16	31.16	215.03	-169.93	188.61	-5,576.64	6,737.59	6,493.73	243.85	27.630		
6,400.00	6,279.08	6,289.08	6,289.08	31.67	217.83	-169.96	188.61	-5,576.64	6,757.58	6,510.47	247.12	27.346		
6,490.03	6,367.24	6,377.24	6,377.24	32.12	220.91	-169.99	188.61	-5,576.64	6,775.59	6,524.98	250.61	27.037		
6,500.00	6,377.01	6,387.01	6,387.01	32.17	221.25	-169.06	188.61	-5,576.64	6,777.51	6,526.51	250.99	27.003		
6,550.00	6,426.43	6,436.43	6,436.43	32.40	222.97	-160.64	188.61	-5,576.64	6,784.80	6,531.86	252.94	26.824		
6,600.00	6,476.27	6,486.27	6,486.27	32.61	224.71	-125.99	188.61	-5,576.64	6,788.19	6,533.30	254.89	26.632		
6,650.00	6,526.21	6,536.21	6,536.21	32.80	226.46	-39.77	188.61	-5,576.64	6,787.67	6,530.84	256.82	26.429		
6,700.00	6,575.96	6,585.96	6,585.96	32.98	228.19	-18.76	188.61	-5,576.64	6,783.22	6,524.49	258.73	26.218		
6,750.00	6,625.19	6,635.19	6,635.19	33.16	229.91	-12.51	188.61	-5,576.64	6,774.88	6,514.28	260.60	25.997		
6,800.00	6,673.62	6,683.62	6,683.62	33.35	231.60	-9.64	188.61	-5,576.64	6,762.71	6,500.28	262.42	25.770		
6,850.00	6,720.94	6,730.94	6,730.94	33.55	233.26	-8.03	188.61	-5,576.64	6,746.77	6,482.57	264.19	25.537		
6,900.00	6,766.86	6,776.86	6,776.86	33.76	234.86	-7.03	188.61	-5,576.64	6,727.16	6,461.26	265.89	25.300		
6,950.00	6,811.10	6,821.10	6,821.10	33.98	236.40	-6.38	188.61	-5,576.64	6,704.01	6,436.49	267.52	25.060		
7,000.00	6,853.38	6,863.38	6,863.38	34.23	237.88	-5.96	188.61	-5,576.64	6,677.45	6,408.39	269.06	24.817		
7,050.00	6,893.45	6,903.45	6,903.45	34.50	239.28	-5.69	188.61	-5,576.64	6,647.66	6,377.15	270.51	24.574		
7,100.00	6,931.05	6,941.05	6,941.05	34.79	240.59	-5.55	188.61	-5,576.64	6,614.82	6,342.95	271.86	24.332		
7,150.00	6,965.96	6,975.96	6,975.96	35.12	241.81	-5.52	188.61	-5,576.64	6,579.12	6,306.01	273.10	24.090		
7,200.00	6,997.96	7,007.96	7,007.96	35.47	242.92	-5.59	188.61	-5,576.64	6,540.79	6,266.55	274.23	23.851		
7,250.00	7,026.85	7,036.85	7,036.85	35.86	243.93	-5.79	188.61	-5,576.64	6,500.06	6,224.82	275.24	23.616		
7,300.00	7,052.45	7,062.45	7,062.45	36.29	244.83	-6.13	188.61	-5,576.64	6,457.19	6,181.06	276.13	23.384		
7,350.00	7,074.61	7,084.61	7,084.61	36.76	245.60	-6.68	188.61	-5,576.64	6,412.44	6,135.54	276.89	23.158		
7,400.00	7,093.19	7,103.19	7,103.19	37.27	246.25	-7.55	188.61	-5,576.64	6,366.08	6,088.55	277.53	22.938		
7,450.00	7,108.07	7,118.07	7,118.07	37.81	246.77	-9.02	188.61	-5,576.64	6,318.40	6,040.37	278.03	22.725		
7,500.00	7,119.17	7,129.17	7,129.17	38.39	247.16	-11.77	188.61	-5,576.64	6,269.70	5,991.30	278.41	22.520		
7,550.00	7,126.41	7,136.41	7,136.41	38.99	247.41	-18.43	188.61	-5,576.64	6,220.28	5,941.63	278.65	22.323		
7,600.00	7,129.75	7,139.75	7,139.75	39.62	247.53	-49.50	188.61	-5,576.64	6,170.43	5,891.67	278.76	22.135		
7,616.41	7,130.00	7,140.00	7,140.00	39.83	247.53	-86.47	188.61	-5,576.64	6,154.03	5,875.27	278.77	22.076		
7,700.00	7,130.16	7,140.16	7,140.16	40.97	247.54	-86.52	188.61	-5,576.64	6,070.48	5,791.71	278.77	21.776		
7,800.00	7,130.35	7,140.35	7,140.35	42.46	247.55	-86.58	188.61	-5,576.64	5,970.53	5,691.75	278.78	21.417		
7,900.00	7,130.55	7,140.55	7,140.55	44.09	247.55	-86.64	188.61	-5,576.64	5,870.59	5,591.80	278.79	21.057		
8,000.00	7,130.74	7,140.74	7,140.74	45.84	247.56	-86.69	188.61	-5,576.64	5,770.64	5,491.84	278.80	20.698		
8,100.00	7,130.94	7,140.94	7,140.94	47.70	247.57	-86.75	188.61	-5,576.64	5,670.70	5,391.89	278.81	20.339		
8,200.00	7,131.13	7,141.13	7,141.13	49.65	247.57	-86.81	188.61	-5,576.64	5,570.76	5,291.93	278.83	19.979		
8,300.00	7,131.32	7,141.32	7,141.32	51.70	247.58	-86.86	188.61	-5,576.64	5,470.82	5,191.98	278.85	19.620		
8,400.00	7,131.52	7,141.52	7,141.52	53.81	247.59	-86.92	188.61	-5,576.64	5,370.88	5,092.02	278.86	19.260		
8,500.00	7,131.71	7,141.71	7,141.71	55.99	247.59	-86.98	188.61	-5,576.64	5,270.95	4,992.07	278.88	18.900		
8,600.00	7,131.90	7,141.90	7,141.90	58.24	247.60	-87.04	188.61	-5,576.64	5,171.02	4,892.11	278.91	18.540		
8,700.00	7,132.10	7,142.10	7,142.10	60.53	247.61	-87.09	188.61	-5,576.64	5,071.09	4,792.16	278.93	18.181		
8,800.00	7,132.29	7,142.29	7,142.29	62.87	247.61	-87.15	188.61	-5,576.64	4,971.17	4,692.21	278.96	17.821		
8,900.00	7,132.49	7,142.49	7,142.49	65.25	247.62	-87.21	188.61	-5,576.64	4,871.24	4,592.26	278.98	17.461		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,142.68	7,142.68	67.68	247.63	-87.27	188.61	-5,576.64	4,771.32	4,492.31	279.02	17.101		
9,100.00	7,132.87	7,142.87	7,142.87	70.13	247.63	-87.32	188.61	-5,576.64	4,671.41	4,392.36	279.05	16.740		
9,200.00	7,133.07	7,143.07	7,143.07	72.61	247.64	-87.38	188.61	-5,576.64	4,571.50	4,292.41	279.09	16.380		
9,300.00	7,133.26	7,143.26	7,143.26	75.13	247.65	-87.44	188.61	-5,576.64	4,471.59	4,192.46	279.12	16.020		
9,400.00	7,133.46	7,143.46	7,143.46	77.66	247.65	-87.49	188.61	-5,576.64	4,371.68	4,092.52	279.17	15.660		
9,500.00	7,133.65	7,143.65	7,143.65	80.22	247.66	-87.55	188.61	-5,576.64	4,271.78	3,992.57	279.21	15.299		
9,600.00	7,133.84	7,143.84	7,143.84	82.80	247.67	-87.61	188.61	-5,576.64	4,171.89	3,892.63	279.26	14.939		
9,700.00	7,134.04	7,144.04	7,144.04	85.40	247.68	-87.67	188.61	-5,576.64	4,072.00	3,792.69	279.31	14.579		
9,800.00	7,134.23	7,144.23	7,144.23	88.01	247.68	-87.72	188.61	-5,576.64	3,972.12	3,692.75	279.37	14.218		
9,900.00	7,134.43	7,144.43	7,144.43	90.64	247.69	-87.78	188.61	-5,576.64	3,872.24	3,592.81	279.43	13.858		
10,000.00	7,134.62	7,144.62	7,144.62	93.28	247.70	-87.84	188.61	-5,576.64	3,772.37	3,492.87	279.49	13.497		
10,100.00	7,134.81	7,144.81	7,144.81	95.94	247.70	-87.90	188.61	-5,576.64	3,672.50	3,392.94	279.56	13.137		
10,200.00	7,135.01	7,145.01	7,145.01	98.61	247.71	-87.95	188.61	-5,576.64	3,572.65	3,293.01	279.64	12.776		
10,300.00	7,135.20	7,145.20	7,145.20	101.28	247.72	-88.01	188.61	-5,576.64	3,472.80	3,193.08	279.72	12.415		
10,400.00	7,135.39	7,145.39	7,145.39	103.97	247.72	-88.07	188.61	-5,576.64	3,372.96	3,093.15	279.81	12.054		
10,500.00	7,135.59	7,145.59	7,145.59	106.67	247.73	-88.13	188.61	-5,576.64	3,273.13	2,993.22	279.91	11.694		
10,600.00	7,135.78	7,145.78	7,145.78	109.38	247.74	-88.18	188.61	-5,576.64	3,173.31	2,893.30	280.01	11.333		
10,700.00	7,135.98	7,145.98	7,145.98	112.09	247.74	-88.24	188.61	-5,576.64	3,073.50	2,793.37	280.13	10.972		
10,800.00	7,136.17	7,146.17	7,146.17	114.81	247.75	-88.30	188.61	-5,576.64	2,973.71	2,693.45	280.25	10.611		
10,900.00	7,136.36	7,146.36	7,146.36	117.54	247.76	-88.35	188.61	-5,576.64	2,873.92	2,593.54	280.39	10.250		
11,000.00	7,136.56	7,146.56	7,146.56	120.28	247.76	-88.41	188.61	-5,576.64	2,774.16	2,493.62	280.54	9.889		
11,100.00	7,136.75	7,146.75	7,146.75	123.02	247.77	-88.47	188.61	-5,576.64	2,674.41	2,393.70	280.71	9.527		
11,200.00	7,136.95	7,146.95	7,146.95	125.76	247.78	-88.53	188.61	-5,576.64	2,574.69	2,293.79	280.90	9.166		
11,300.00	7,137.14	7,147.14	7,147.14	128.52	247.78	-88.58	188.61	-5,576.64	2,474.98	2,193.88	281.10	8.805		
11,400.00	7,137.33	7,147.33	7,147.33	131.27	247.79	-88.64	188.61	-5,576.64	2,375.30	2,093.96	281.34	8.443		
11,500.00	7,137.53	7,147.53	7,147.53	134.03	247.80	-88.70	188.61	-5,576.64	2,275.65	1,994.05	281.60	8.081		
11,600.00	7,137.72	7,147.72	7,147.72	136.80	247.80	-88.76	188.61	-5,576.64	2,176.03	1,894.13	281.90	7.719		
11,700.00	7,137.92	7,147.92	7,147.92	139.57	247.81	-88.81	188.61	-5,576.64	2,076.44	1,794.20	282.24	7.357		
11,800.00	7,138.11	7,148.11	7,148.11	142.34	247.82	-88.87	188.61	-5,576.64	1,976.90	1,694.27	282.63	6.995		
11,900.00	7,138.30	7,148.30	7,148.30	145.12	247.82	-88.93	188.61	-5,576.64	1,877.40	1,594.33	283.07	6.632		
12,000.00	7,138.50	7,148.50	7,148.50	147.90	247.83	-88.99	188.61	-5,576.64	1,777.97	1,494.37	283.60	6.269		
12,100.00	7,138.69	7,148.69	7,148.69	150.68	247.84	-89.04	188.61	-5,576.64	1,678.60	1,394.39	284.21	5.906		
12,200.00	7,138.88	7,148.88	7,148.88	153.47	247.84	-89.10	188.61	-5,576.64	1,579.31	1,294.38	284.93	5.543		
12,300.00	7,139.08	7,149.08	7,149.08	156.26	247.85	-89.16	188.61	-5,576.64	1,480.11	1,194.32	285.79	5.179		
12,400.00	7,139.27	7,149.27	7,149.27	159.05	247.86	-89.22	188.61	-5,576.64	1,381.03	1,094.21	286.83	4.815		
12,500.00	7,139.47	7,149.47	7,149.47	161.85	247.86	-89.27	188.61	-5,576.64	1,282.10	994.01	288.08	4.450		
12,600.00	7,139.66	7,149.66	7,149.66	164.64	247.87	-89.33	188.61	-5,576.64	1,183.34	893.71	289.63	4.086		
12,700.00	7,139.85	7,149.85	7,149.85	167.44	247.88	-89.39	188.61	-5,576.64	1,084.81	793.25	291.56	3.721		
12,800.00	7,140.05	7,150.05	7,150.05	170.24	247.88	-89.44	188.61	-5,576.64	986.57	692.58	293.99	3.356		
12,900.00	7,140.24	7,150.24	7,150.24	173.05	247.89	-89.50	188.61	-5,576.64	888.73	591.62	297.11	2.991		
13,000.00	7,140.44	7,150.44	7,150.44	175.85	247.90	-89.56	188.61	-5,576.64	791.43	490.25	301.18	2.628		
13,100.00	7,140.63	7,150.63	7,150.63	178.66	247.91	-89.62	188.61	-5,576.64	694.90	388.28	306.62	2.266		
13,200.00	7,140.82	7,150.82	7,150.82	181.47	247.91	-89.67	188.61	-5,576.64	599.50	285.45	314.05	1.909		
13,300.00	7,141.02	7,151.02	7,151.02	184.28	247.92	-89.73	188.61	-5,576.64	505.89	181.38	324.51	1.559		
13,400.00	7,141.21	7,151.21	7,151.21	187.10	247.93	-89.79	188.61	-5,576.64	415.26	75.58	339.68	1.222 Level 2		
13,500.00	7,141.41	7,151.41	7,151.41	189.91	247.93	-89.85	188.61	-5,576.64	330.09	-32.17	362.27	0.911 Level 1		
13,600.00	7,141.60	7,151.60	7,151.60	192.73	247.94	-89.90	188.61	-5,576.64	255.89	-139.26	395.15	0.648 Level 1		
13,700.00	7,141.79	7,151.79	7,151.79	195.54	247.95	-89.96	188.61	-5,576.64	204.94	-227.92	432.85	0.473 Level 1		
13,767.41	7,141.92	7,151.92	7,151.92	197.44	247.95	-90.00	188.61	-5,576.64	193.53	-251.86	445.39	0.435 Level 1, CC, ES, SF		
13,800.00	7,141.99	7,151.99	7,151.99	198.36	247.95	-90.02	188.61	-5,576.64	196.26	-247.42	443.68	0.442 Level 1		
13,900.00	7,142.18	7,152.18	7,152.18	201.18	247.96	-90.08	188.61	-5,576.64	234.60	-180.53	415.13	0.565 Level 1		
14,000.00	7,142.37	7,152.37	7,152.37	204.01	247.97	-90.13	188.61	-5,576.64	302.58	-78.55	381.13	0.794 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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - Montera #10-43(SI) - 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	7,142.57	7,152.57	7,152.57	206.83	247.97	-90.19	188.61	-5,576.64	384.80	28.66	356.14	1.080	Level 2				
14,200.00	7,142.76	7,152.76	7,152.76	209.65	247.98	-90.25	188.61	-5,576.64	473.91	134.80	339.11	1.397	Level 3				
14,300.00	7,142.96	7,152.96	7,152.96	212.48	247.99	-90.31	188.61	-5,576.64	566.67	239.32	327.34	1.731					
14,400.00	7,143.15	7,153.15	7,153.15	215.30	247.99	-90.36	188.61	-5,576.64	661.53	342.59	318.95	2.074					
14,500.00	7,143.34	7,153.34	7,153.34	218.13	248.00	-90.42	188.61	-5,576.64	757.72	444.95	312.77	2.423					
14,600.00	7,143.54	7,153.54	7,153.54	220.96	248.01	-90.48	188.61	-5,576.64	854.79	546.68	308.11	2.774					
14,700.00	7,143.73	7,153.73	7,153.73	223.79	248.01	-90.54	188.61	-5,576.64	952.46	647.95	304.51	3.128					
14,800.00	7,143.93	7,153.93	7,153.93	226.62	248.02	-90.59	188.61	-5,576.64	1,050.57	748.90	301.67	3.483					
14,838.32	7,144.00	7,154.00	7,154.00	227.70	248.02	-90.61	188.61	-5,576.64	1,088.26	787.52	300.74	3.619					
14,900.00	7,144.12	7,154.12	7,154.12	229.45	248.03	-90.58	188.61	-5,576.64	1,148.89	849.57	299.32	3.838					
15,000.00	7,144.32	7,154.32	7,154.32	232.26	248.03	-90.53	188.61	-5,576.64	1,246.91	949.85	297.06	4.198					
15,027.81	7,144.37	7,154.37	7,154.37	233.04	248.04	-90.52	188.61	-5,576.64	1,274.10	977.66	296.44	4.298					
15,100.00	7,144.51	7,154.51	7,154.51	235.07	248.04	-90.55	188.61	-5,576.64	1,344.74	1,049.77	294.96	4.559					
15,200.00	7,144.71	7,154.71	7,154.71	237.87	248.05	-90.59	188.61	-5,576.64	1,442.84	1,149.60	293.24	4.920					
15,300.00	7,144.91	7,154.91	7,154.91	240.68	248.05	-90.63	188.61	-5,576.64	1,541.18	1,249.37	291.81	5.281					
15,400.00	7,145.10	7,155.10	7,155.10	243.48	248.06	-90.67	188.61	-5,576.64	1,639.73	1,349.09	290.64	5.642					
15,500.00	7,145.30	7,155.30	7,155.30	246.29	248.07	-90.72	188.61	-5,576.64	1,738.44	1,448.78	289.66	6.002					
15,600.00	7,145.50	7,155.50	7,155.50	249.10	248.08	-90.76	188.61	-5,576.64	1,837.29	1,548.44	288.85	6.361					
15,700.00	7,145.69	7,155.69	7,155.69	251.91	248.08	-90.80	188.61	-5,576.64	1,936.26	1,648.09	288.17	6.719					
15,800.00	7,145.89	7,155.89	7,155.89	254.71	248.09	-90.84	188.61	-5,576.64	2,035.33	1,747.73	287.60	7.077					
15,900.00	7,146.09	7,156.09	7,156.09	257.52	248.10	-90.88	188.61	-5,576.64	2,134.48	1,847.36	287.12	7.434					
16,000.00	7,146.28	7,156.28	7,156.28	260.34	248.10	-90.93	188.61	-5,576.64	2,233.71	1,946.99	286.73	7.790					
16,100.00	7,146.48	7,156.48	7,156.48	263.15	248.11	-90.97	188.61	-5,576.64	2,333.01	2,046.62	286.39	8.146					
16,200.00	7,146.68	7,156.68	7,156.68	265.96	248.12	-91.01	188.61	-5,576.64	2,432.37	2,146.25	286.12	8.501					
16,300.00	7,146.87	7,156.87	7,156.87	268.77	248.12	-91.05	188.61	-5,576.64	2,531.77	2,245.88	285.89	8.856					
16,400.00	7,147.07	7,157.07	7,157.07	271.58	248.13	-91.09	188.61	-5,576.64	2,631.22	2,345.52	285.70	9.210					
16,500.00	7,147.27	7,157.27	7,157.27	274.40	248.14	-91.13	188.61	-5,576.64	2,730.71	2,445.17	285.55	9.563					
16,600.00	7,147.46	7,157.46	7,157.46	277.21	248.14	-91.18	188.61	-5,576.64	2,830.24	2,544.81	285.43	9.916					
16,700.00	7,147.66	7,157.66	7,157.66	280.03	248.15	-91.22	188.61	-5,576.64	2,929.80	2,644.47	285.33	10.268					
16,800.00	7,147.86	7,157.86	7,157.86	282.84	248.16	-91.26	188.61	-5,576.64	3,029.39	2,744.13	285.26	10.620					
16,900.00	7,148.05	7,158.05	7,158.05	285.66	248.16	-91.30	188.61	-5,576.64	3,129.00	2,843.80	285.20	10.971					
17,000.00	7,148.25	7,158.25	7,158.25	288.48	248.17	-91.34	188.61	-5,576.64	3,228.64	2,943.47	285.17	11.322					
17,100.00	7,148.45	7,158.45	7,158.45	291.29	248.18	-91.38	188.61	-5,576.64	3,328.30	3,043.15	285.15	11.672					
17,200.00	7,148.64	7,158.64	7,158.64	294.11	248.18	-91.43	188.61	-5,576.64	3,427.98	3,142.83	285.14	12.022					
17,300.00	7,148.84	7,158.84	7,158.84	296.93	248.19	-91.47	188.61	-5,576.64	3,527.67	3,242.53	285.15	12.371					
17,400.00	7,149.04	7,159.04	7,159.04	299.75	248.20	-91.51	188.61	-5,576.64	3,627.39	3,342.22	285.17	12.720					
17,500.00	7,149.23	7,159.23	7,159.23	302.57	248.21	-91.55	188.61	-5,576.64	3,727.12	3,441.93	285.19	13.069					
17,600.00	7,149.43	7,159.43	7,159.43	305.39	248.21	-91.59	188.61	-5,576.64	3,826.86	3,541.63	285.23	13.417					
17,700.00	7,149.63	7,159.63	7,159.63	308.21	248.22	-91.63	188.61	-5,576.64	3,926.62	3,641.35	285.27	13.764					
17,800.00	7,149.82	7,159.82	7,159.82	311.03	248.23	-91.68	188.61	-5,576.64	4,026.39	3,741.06	285.32	14.112					
17,900.00	7,150.02	7,160.02	7,160.02	313.85	248.23	-91.72	188.61	-5,576.64	4,126.17	3,840.79	285.38	14.459					
18,000.00	7,150.22	7,160.22	7,160.22	316.67	248.24	-91.76	188.61	-5,576.64	4,225.96	3,940.52	285.44	14.805					
18,100.00	7,150.41	7,160.41	7,160.41	319.49	248.25	-91.80	188.61	-5,576.64	4,325.76	4,040.25	285.51	15.151					
18,200.00	7,150.61	7,160.61	7,160.61	322.32	248.25	-91.84	188.61	-5,576.64	4,425.57	4,139.98	285.58	15.497					
18,300.00	7,150.81	7,160.81	7,160.81	325.14	248.26	-91.88	188.61	-5,576.64	4,525.38	4,239.73	285.66	15.842					
18,400.00	7,151.00	7,161.00	7,161.00	327.96	248.27	-91.93	188.61	-5,576.64	4,625.21	4,339.47	285.74	16.187					
18,500.00	7,151.20	7,161.20	7,161.20	330.78	248.27	-91.97	188.61	-5,576.64	4,725.04	4,439.22	285.82	16.531					
18,600.00	7,151.40	7,161.40	7,161.40	333.61	248.28	-92.01	188.61	-5,576.64	4,824.88	4,538.97	285.91	16.875					
18,700.00	7,151.59	7,161.59	7,161.59	336.43	248.29	-92.05	188.61	-5,576.64	4,924.73	4,638.73	286.00	17.219					
18,800.00	7,151.79	7,161.79	7,161.79	339.26	248.29	-92.09	188.61	-5,576.64	5,024.58	4,738.48	286.10	17.563					
18,906.26	7,152.00	7,162.00	7,162.00	342.26	248.30	-92.14	188.61	-5,576.64	5,130.69	4,844.49	286.20	17.927					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-89.76	13.69	-3,232.04	3,232.07					
100.00	100.00	116.00	116.00	3.28	4.01	-89.76	13.69	-3,232.04	3,232.07	3,224.78	7.29	443.170		
200.00	200.00	216.00	216.00	3.34	6.66	-89.76	13.69	-3,232.04	3,232.07	3,222.08	10.00	323.338		
300.00	299.98	315.98	315.98	3.44	9.85	-169.76	13.69	-3,232.04	3,233.79	3,220.50	13.29	243.308		
400.00	399.84	415.84	415.84	3.60	13.19	-169.75	13.69	-3,232.04	3,238.94	3,222.15	16.79	192.942		
500.00	499.45	515.45	515.45	3.81	16.58	-169.75	13.69	-3,232.04	3,247.52	3,227.13	20.38	159.325		
600.00	598.70	614.70	614.70	4.06	19.98	-169.75	13.69	-3,232.04	3,259.51	3,235.47	24.04	135.604		
700.00	697.47	713.47	713.47	4.34	23.39	-169.74	13.69	-3,232.04	3,274.91	3,247.18	27.73	118.118		
785.50	781.43	802.57	797.43	4.61	26.48	-169.73	13.69	-3,232.04	3,290.76	3,259.69	31.07	105.901		
800.00	795.63	811.63	811.63	4.66	26.79	-169.74	13.69	-3,232.04	3,293.66	3,262.22	31.44	104.768		
900.00	893.55	909.55	909.55	5.02	30.19	-169.80	13.69	-3,232.04	3,313.65	3,278.49	35.16	94.252		
1,000.00	991.47	1,007.47	1,007.47	5.40	33.59	-169.87	13.69	-3,232.04	3,333.64	3,294.73	38.90	85.693		
1,100.00	1,089.39	1,105.39	1,105.39	5.80	36.99	-169.93	13.69	-3,232.04	3,353.63	3,310.96	42.67	78.600		
1,200.00	1,187.31	1,203.31	1,203.31	6.21	40.40	-169.99	13.69	-3,232.04	3,373.63	3,327.18	46.45	72.631		
1,300.00	1,285.22	1,301.22	1,301.22	6.64	43.80	-170.05	13.69	-3,232.04	3,393.63	3,343.39	50.24	67.543		
1,400.00	1,383.14	1,400.86	1,399.14	7.08	47.27	-170.11	13.69	-3,232.04	3,413.63	3,359.52	54.11	63.088		
1,500.00	1,481.06	1,502.94	1,497.06	7.52	50.83	-170.16	13.69	-3,232.04	3,433.64	3,375.57	58.07	59.130		
1,600.00	1,578.98	1,605.02	1,594.98	7.98	54.38	-170.22	13.69	-3,232.04	3,453.65	3,391.62	62.04	55.671		
1,700.00	1,676.90	1,707.10	1,692.90	8.44	57.94	-170.28	13.69	-3,232.04	3,473.67	3,407.66	66.01	52.622		
1,800.00	1,774.82	1,809.18	1,790.82	8.90	61.50	-170.33	13.69	-3,232.04	3,493.68	3,423.69	69.99	49.916		
1,900.00	1,872.74	1,888.74	1,888.74	9.37	64.27	-170.39	13.69	-3,232.04	3,513.71	3,440.52	73.19	48.008		
2,000.00	1,970.66	1,986.66	1,986.66	9.84	67.69	-170.44	13.69	-3,232.04	3,533.73	3,456.70	77.03	45.872		
2,100.00	2,068.57	2,084.57	2,084.57	10.32	71.10	-170.50	13.69	-3,232.04	3,553.76	3,472.88	80.88	43.938		
2,200.00	2,166.49	2,182.49	2,182.49	10.80	74.52	-170.55	13.69	-3,232.04	3,573.79	3,489.06	84.73	42.178		
2,300.00	2,264.41	2,280.41	2,280.41	11.28	77.93	-170.61	13.69	-3,232.04	3,593.82	3,505.24	88.58	40.570		
2,400.00	2,362.33	2,378.33	2,378.33	11.76	81.35	-170.66	13.69	-3,232.04	3,613.86	3,521.42	92.44	39.095		
2,500.00	2,460.25	2,476.25	2,476.25	12.24	84.76	-170.71	13.69	-3,232.04	3,633.90	3,537.60	96.30	37.737		
2,600.00	2,558.17	2,574.17	2,574.17	12.73	88.18	-170.76	13.69	-3,232.04	3,653.94	3,553.78	100.15	36.483		
2,700.00	2,656.09	2,672.09	2,672.09	13.22	91.60	-170.81	13.69	-3,232.04	3,673.98	3,569.97	104.01	35.322		
2,800.00	2,754.01	2,770.01	2,770.01	13.71	95.01	-170.86	13.69	-3,232.04	3,694.03	3,586.15	107.88	34.243		
2,900.00	2,851.92	2,867.92	2,867.92	14.20	98.43	-170.91	13.69	-3,232.04	3,714.08	3,602.34	111.74	33.239		
3,000.00	2,949.84	2,965.84	2,965.84	14.69	101.85	-170.96	13.69	-3,232.04	3,734.13	3,618.53	115.60	32.301		
3,100.00	3,047.76	3,063.76	3,063.76	15.18	105.26	-171.01	13.69	-3,232.04	3,754.19	3,634.72	119.47	31.424		
3,200.00	3,145.68	3,161.68	3,161.68	15.67	108.68	-171.06	13.69	-3,232.04	3,774.24	3,650.91	123.34	30.601		
3,300.00	3,243.60	3,259.60	3,259.60	16.17	112.10	-171.11	13.69	-3,232.04	3,794.31	3,667.10	127.20	29.828		
3,400.00	3,341.52	3,357.52	3,357.52	16.66	115.51	-171.15	13.69	-3,232.04	3,814.37	3,683.30	131.07	29.101		
3,500.00	3,439.44	3,455.44	3,455.44	17.16	118.93	-171.20	13.69	-3,232.04	3,834.43	3,699.49	134.94	28.415		
3,600.00	3,537.36	3,553.36	3,553.36	17.65	122.35	-171.25	13.69	-3,232.04	3,854.50	3,715.69	138.81	27.768		
3,700.00	3,635.27	3,651.27	3,651.27	18.15	125.76	-171.29	13.69	-3,232.04	3,874.57	3,731.89	142.68	27.155		
3,800.00	3,733.19	3,749.19	3,749.19	18.65	129.18	-171.34	13.69	-3,232.04	3,894.64	3,748.09	146.55	26.575		
3,900.00	3,831.11	3,847.11	3,847.11	19.14	132.60	-171.38	13.69	-3,232.04	3,914.72	3,764.29	150.42	26.024		
4,000.00	3,929.03	3,945.03	3,945.03	19.64	136.02	-171.43	13.69	-3,232.04	3,934.80	3,780.50	154.30	25.501		
4,100.00	4,026.95	4,042.95	4,042.95	20.14	139.43	-171.47	13.69	-3,232.04	3,954.87	3,796.71	158.17	25.004		
4,200.00	4,124.87	4,140.87	4,140.87	20.64	142.85	-171.51	13.69	-3,232.04	3,974.96	3,812.91	162.04	24.530		
4,300.00	4,222.79	4,238.79	4,238.79	21.14	146.27	-171.56	13.69	-3,232.04	3,995.04	3,829.12	165.92	24.079		
4,400.00	4,320.71	4,336.71	4,336.71	21.64	149.69	-171.60	13.69	-3,232.04	4,015.13	3,845.34	169.79	23.648		
4,500.00	4,418.62	4,434.62	4,434.62	22.14	153.10	-171.64	13.69	-3,232.04	4,035.21	3,861.55	173.66	23.236		
4,600.00	4,516.54	4,532.54	4,532.54	22.64	156.52	-171.68	13.69	-3,232.04	4,055.30	3,877.77	177.54	22.842		
4,700.00	4,614.46	4,630.46	4,630.46	23.14	159.94	-171.72	13.69	-3,232.04	4,075.40	3,893.98	181.41	22.465		
4,800.00	4,712.38	4,728.38	4,728.38	23.64	163.36	-171.76	13.69	-3,232.04	4,095.49	3,910.20	185.29	22.103		
4,900.00	4,810.30	4,826.30	4,826.30	24.14	166.77	-171.80	13.69	-3,232.04	4,115.59	3,926.42	189.16	21.757		
5,000.00	4,908.22	4,924.22	4,924.22	24.64	170.19	-171.84	13.69	-3,232.04	4,135.68	3,942.64	193.04	21.424		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,022.14	5,022.14	25.14	173.61	-171.88	13.69	-3,232.04	4,155.78	3,958.87	196.91	21.104		
5,200.00	5,104.06	5,120.06	5,120.06	25.64	177.03	-171.92	13.69	-3,232.04	4,175.88	3,975.09	200.79	20.797		
5,300.00	5,201.97	5,217.97	5,217.97	26.14	180.44	-171.96	13.69	-3,232.04	4,195.99	3,991.32	204.67	20.502		
5,400.00	5,299.89	5,315.89	5,315.89	26.64	183.86	-172.00	13.69	-3,232.04	4,216.09	4,007.55	208.54	20.217		
5,500.00	5,397.81	5,413.81	5,413.81	27.15	187.28	-172.04	13.69	-3,232.04	4,236.20	4,023.78	212.42	19.943		
5,600.00	5,495.73	5,511.73	5,511.73	27.65	190.70	-172.08	13.69	-3,232.04	4,256.31	4,040.01	216.30	19.678		
5,700.00	5,593.65	5,609.65	5,609.65	28.15	194.12	-172.11	13.69	-3,232.04	4,276.42	4,056.25	220.17	19.423		
5,800.00	5,691.57	5,707.57	5,707.57	28.65	197.53	-172.15	13.69	-3,232.04	4,296.53	4,072.48	224.05	19.176		
5,900.00	5,789.49	5,805.49	5,805.49	29.15	200.95	-172.19	13.69	-3,232.04	4,316.65	4,088.72	227.93	18.938		
6,000.00	5,887.41	5,903.41	5,903.41	29.66	204.37	-172.22	13.69	-3,232.04	4,336.76	4,104.96	231.81	18.708		
6,100.00	5,985.32	6,001.32	6,001.32	30.16	207.79	-172.26	13.69	-3,232.04	4,356.88	4,121.20	235.69	18.486		
6,200.00	6,083.24	6,100.76	6,099.24	30.66	211.26	-172.30	13.69	-3,232.04	4,377.00	4,137.38	239.62	18.267		
6,300.00	6,181.16	6,202.84	6,197.16	31.16	214.82	-172.33	13.69	-3,232.04	4,397.12	4,153.48	243.64	18.048		
6,400.00	6,279.08	6,304.92	6,295.08	31.67	218.38	-172.37	13.69	-3,232.04	4,417.24	4,169.58	247.66	17.836		
6,490.03	6,367.24	6,383.24	6,383.24	32.12	221.12	-172.40	13.69	-3,232.04	4,435.36	4,184.55	250.81	17.684		
6,500.00	6,377.01	6,406.99	6,393.01	32.17	221.95	-171.46	13.69	-3,232.04	4,437.29	4,185.61	251.69	17.630		
6,550.00	6,426.43	6,442.43	6,442.43	32.40	223.18	-163.02	13.69	-3,232.04	4,444.65	4,191.51	253.15	17.558		
6,600.00	6,476.27	6,507.73	6,492.27	32.61	225.46	-128.36	13.69	-3,232.04	4,448.13	4,192.49	255.63	17.400		
6,650.00	6,526.21	6,542.21	6,542.21	32.80	226.67	-42.15	13.69	-3,232.04	4,447.68	4,190.65	257.03	17.304		
6,700.00	6,575.96	6,608.04	6,591.96	32.98	228.97	-21.17	13.69	-3,232.04	4,443.33	4,183.83	259.49	17.123		
6,750.00	6,625.19	6,641.19	6,641.19	33.16	230.12	-14.97	13.69	-3,232.04	4,435.09	4,174.29	260.80	17.006		
6,800.00	6,673.62	6,689.62	6,689.62	33.35	231.81	-12.16	13.69	-3,232.04	4,423.02	4,160.39	262.63	16.841		
6,850.00	6,720.94	6,736.94	6,736.94	33.55	233.46	-10.64	13.69	-3,232.04	4,407.19	4,142.79	264.40	16.669		
6,900.00	6,766.86	6,782.86	6,782.86	33.76	235.07	-9.75	13.69	-3,232.04	4,387.70	4,121.60	266.10	16.489		
6,950.00	6,811.10	6,827.10	6,827.10	33.98	236.61	-9.24	13.69	-3,232.04	4,364.68	4,096.95	267.73	16.303		
7,000.00	6,853.38	6,869.38	6,869.38	34.23	238.09	-8.99	13.69	-3,232.04	4,338.26	4,068.99	269.27	16.111		
7,050.00	6,893.45	6,909.45	6,909.45	34.50	239.49	-8.94	13.69	-3,232.04	4,308.60	4,037.88	270.72	15.915		
7,100.00	6,931.05	6,947.05	6,947.05	34.79	240.80	-9.07	13.69	-3,232.04	4,275.90	4,003.82	272.07	15.716		
7,150.00	6,965.96	6,981.96	6,981.96	35.12	242.02	-9.38	13.69	-3,232.04	4,240.34	3,967.03	273.31	15.515		
7,200.00	6,997.96	7,013.96	7,013.96	35.47	243.13	-9.88	13.69	-3,232.04	4,202.16	3,927.72	274.44	15.312		
7,250.00	7,026.85	7,042.85	7,042.85	35.86	244.14	-10.63	13.69	-3,232.04	4,161.59	3,886.13	275.46	15.108		
7,300.00	7,052.45	7,068.45	7,068.45	36.29	245.04	-11.71	13.69	-3,232.04	4,118.87	3,842.52	276.35	14.905		
7,350.00	7,074.61	7,109.39	7,090.61	36.76	246.47	-13.28	13.69	-3,232.04	4,074.27	3,796.51	277.77	14.668		
7,400.00	7,093.19	7,109.19	7,109.19	37.27	246.46	-15.62	13.69	-3,232.04	4,028.08	3,750.33	277.75	14.502		
7,450.00	7,108.07	7,124.07	7,124.07	37.81	246.98	-19.33	13.69	-3,232.04	3,980.56	3,702.30	278.26	14.305		
7,500.00	7,119.17	7,135.17	7,135.17	38.39	247.37	-25.86	13.69	-3,232.04	3,932.02	3,653.38	278.64	14.112		
7,550.00	7,126.41	7,142.41	7,142.41	38.99	247.62	-39.35	13.69	-3,232.04	3,882.75	3,603.86	278.88	13.923		
7,600.00	7,129.75	7,145.75	7,145.75	39.62	247.74	-71.92	13.69	-3,232.04	3,833.05	3,554.06	279.00	13.739		
7,616.41	7,130.00	7,146.00	7,146.00	39.83	247.74	-88.68	13.69	-3,232.04	3,816.71	3,537.70	279.01	13.680		
7,700.00	7,130.16	7,146.16	7,146.16	40.97	247.75	-88.71	13.69	-3,232.04	3,733.42	3,454.39	279.03	13.380		
7,800.00	7,130.35	7,146.35	7,146.35	42.46	247.76	-88.74	13.69	-3,232.04	3,633.79	3,354.74	279.05	13.022		
7,900.00	7,130.55	7,146.55	7,146.55	44.09	247.76	-88.78	13.69	-3,232.04	3,534.19	3,255.11	279.08	12.664		
8,000.00	7,130.74	7,146.74	7,146.74	45.84	247.77	-88.81	13.69	-3,232.04	3,434.62	3,155.50	279.11	12.305		
8,100.00	7,130.94	7,146.94	7,146.94	47.70	247.78	-88.85	13.69	-3,232.04	3,335.06	3,055.91	279.15	11.947		
8,200.00	7,131.13	7,147.13	7,147.13	49.65	247.78	-88.88	13.69	-3,232.04	3,235.54	2,956.34	279.20	11.588		
8,300.00	7,131.32	7,147.32	7,147.32	51.70	247.79	-88.92	13.69	-3,232.04	3,136.04	2,856.78	279.26	11.230		
8,400.00	7,131.52	7,147.52	7,147.52	53.81	247.80	-88.95	13.69	-3,232.04	3,036.58	2,757.25	279.33	10.871		
8,500.00	7,131.71	7,147.71	7,147.71	55.99	247.80	-88.99	13.69	-3,232.04	2,937.16	2,657.75	279.41	10.512		
8,600.00	7,131.90	7,147.90	7,147.90	58.24	247.81	-89.02	13.69	-3,232.04	2,837.78	2,558.28	279.50	10.153		
8,700.00	7,132.10	7,148.10	7,148.10	60.53	247.82	-89.06	13.69	-3,232.04	2,738.44	2,458.83	279.61	9.794		
8,800.00	7,132.29	7,148.29	7,148.29	62.87	247.82	-89.09	13.69	-3,232.04	2,639.15	2,359.42	279.73	9.435		
8,900.00	7,132.49	7,148.49	7,148.49	65.25	247.83	-89.13	13.69	-3,232.04	2,539.91	2,260.04	279.87	9.075		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,148.68	7,148.68	67.68	247.84	-89.16	13.69	-3,232.04	2,440.74	2,160.70	280.04	8.716		
9,100.00	7,132.87	7,148.87	7,148.87	70.13	247.84	-89.19	13.69	-3,232.04	2,341.64	2,061.41	280.24	8.356		
9,200.00	7,133.07	7,149.07	7,149.07	72.61	247.85	-89.23	13.69	-3,232.04	2,242.62	1,962.16	280.46	7.996		
9,300.00	7,133.26	7,149.26	7,149.26	75.13	247.86	-89.26	13.69	-3,232.04	2,143.69	1,862.96	280.73	7.636		
9,400.00	7,133.46	7,149.46	7,149.46	77.66	247.86	-89.30	13.69	-3,232.04	2,044.87	1,763.82	281.05	7.276		
9,500.00	7,133.65	7,149.65	7,149.65	80.22	247.87	-89.33	13.69	-3,232.04	1,946.16	1,664.74	281.42	6.915		
9,600.00	7,133.84	7,149.84	7,149.84	82.80	247.88	-89.37	13.69	-3,232.04	1,847.60	1,565.73	281.86	6.555		
9,700.00	7,134.04	7,150.04	7,150.04	85.40	247.88	-89.40	13.69	-3,232.04	1,749.19	1,466.80	282.39	6.194		
9,800.00	7,134.23	7,150.23	7,150.23	88.01	247.89	-89.44	13.69	-3,232.04	1,650.98	1,367.96	283.02	5.833		
9,900.00	7,134.43	7,150.43	7,150.43	90.64	247.90	-89.47	13.69	-3,232.04	1,553.00	1,269.22	283.78	5.473		
10,000.00	7,134.62	7,150.62	7,150.62	93.28	247.90	-89.51	13.69	-3,232.04	1,455.29	1,170.58	284.70	5.112		
10,100.00	7,134.81	7,150.81	7,150.81	95.94	247.91	-89.54	13.69	-3,232.04	1,357.91	1,072.08	285.83	4.751		
10,200.00	7,135.01	7,151.01	7,151.01	98.61	247.92	-89.58	13.69	-3,232.04	1,260.95	973.73	287.22	4.390		
10,300.00	7,135.20	7,151.20	7,151.20	101.28	247.93	-89.61	13.69	-3,232.04	1,164.50	875.56	288.94	4.030		
10,400.00	7,135.39	7,151.39	7,151.39	103.97	247.93	-89.65	13.69	-3,232.04	1,068.70	777.61	291.09	3.671		
10,500.00	7,135.59	7,151.59	7,151.59	106.67	247.94	-89.68	13.69	-3,232.04	973.74	679.94	293.81	3.314		
10,600.00	7,135.78	7,151.78	7,151.78	109.38	247.95	-89.72	13.69	-3,232.04	879.91	582.64	297.26	2.960		
10,700.00	7,135.98	7,151.98	7,151.98	112.09	247.95	-89.75	13.69	-3,232.04	787.59	485.88	301.72	2.610		
10,800.00	7,136.17	7,152.17	7,152.17	114.81	247.96	-89.78	13.69	-3,232.04	697.40	389.90	307.50	2.268		
10,900.00	7,136.36	7,152.36	7,152.36	117.54	247.97	-89.82	13.69	-3,232.04	610.27	295.21	315.06	1.937		
11,000.00	7,136.56	7,152.56	7,152.56	120.28	247.97	-89.85	13.69	-3,232.04	527.72	202.77	324.95	1.624		
11,100.00	7,136.75	7,152.75	7,152.75	123.02	247.98	-89.89	13.69	-3,232.04	452.27	114.59	337.68	1.339 Level 3		
11,200.00	7,136.95	7,152.95	7,152.95	125.76	247.99	-89.92	13.69	-3,232.04	388.09	35.02	353.07	1.099 Level 2		
11,300.00	7,137.14	7,153.14	7,153.14	128.52	247.99	-89.96	13.69	-3,232.04	341.58	-27.21	368.79	0.926 Level 1		
11,400.00	7,137.33	7,153.33	7,153.33	131.27	248.00	-89.99	13.69	-3,232.04	320.53	-58.49	379.02	0.846 Level 1		
11,419.69	7,137.37	7,153.37	7,153.37	131.82	248.00	-90.00	13.69	-3,232.04	319.92	-59.89	379.82	0.842 Level 1, CC, ES, SF		
11,500.00	7,137.53	7,153.53	7,153.53	134.03	248.01	-90.03	13.69	-3,232.04	329.85	-48.45	378.30	0.872 Level 1		
11,600.00	7,137.72	7,153.72	7,153.72	136.80	248.01	-90.06	13.69	-3,232.04	367.24	-1.11	368.35	0.997 Level 1		
11,700.00	7,137.92	7,153.92	7,153.92	139.57	248.02	-90.10	13.69	-3,232.04	425.35	70.08	355.28	1.197 Level 2		
11,800.00	7,138.11	7,154.11	7,154.11	142.34	248.03	-90.13	13.69	-3,232.04	496.98	153.88	343.10	1.448 Level 3		
11,900.00	7,138.30	7,154.30	7,154.30	145.12	248.03	-90.17	13.69	-3,232.04	577.10	244.07	333.04	1.733		
12,000.00	7,138.50	7,154.50	7,154.50	147.90	248.04	-90.20	13.69	-3,232.04	662.65	337.61	325.04	2.039		
12,100.00	7,138.69	7,154.69	7,154.69	150.68	248.05	-90.24	13.69	-3,232.04	751.78	433.05	318.73	2.359		
12,200.00	7,138.88	7,154.88	7,154.88	153.47	248.05	-90.27	13.69	-3,232.04	843.35	529.62	313.73	2.688		
12,300.00	7,139.08	7,155.08	7,155.08	156.26	248.06	-90.31	13.69	-3,232.04	936.64	626.92	309.72	3.024		
12,400.00	7,139.27	7,155.27	7,155.27	159.05	248.07	-90.34	13.69	-3,232.04	1,031.19	724.72	306.47	3.365		
12,500.00	7,139.47	7,155.47	7,155.47	161.85	248.07	-90.38	13.69	-3,232.04	1,126.68	822.88	303.80	3.709		
12,600.00	7,139.66	7,155.66	7,155.66	164.64	248.08	-90.41	13.69	-3,232.04	1,222.90	921.30	301.60	4.055		
12,700.00	7,139.85	7,155.85	7,155.85	167.44	248.09	-90.44	13.69	-3,232.04	1,319.67	1,019.93	299.75	4.403		
12,800.00	7,140.05	7,156.05	7,156.05	170.24	248.09	-90.48	13.69	-3,232.04	1,416.90	1,118.71	298.19	4.752		
12,900.00	7,140.24	7,156.24	7,156.24	173.05	248.10	-90.51	13.69	-3,232.04	1,514.48	1,217.62	296.86	5.102		
13,000.00	7,140.44	7,156.44	7,156.44	175.85	248.11	-90.55	13.69	-3,232.04	1,612.37	1,316.64	295.72	5.452		
13,100.00	7,140.63	7,156.63	7,156.63	178.66	248.11	-90.58	13.69	-3,232.04	1,710.49	1,415.75	294.74	5.803		
13,200.00	7,140.82	7,156.82	7,156.82	181.47	248.12	-90.62	13.69	-3,232.04	1,808.82	1,514.94	293.89	6.155		
13,300.00	7,141.02	7,157.02	7,157.02	184.28	248.13	-90.65	13.69	-3,232.04	1,907.33	1,614.18	293.15	6.506		
13,400.00	7,141.21	7,157.21	7,157.21	187.10	248.13	-90.69	13.69	-3,232.04	2,005.98	1,713.49	292.50	6.858		
13,500.00	7,141.41	7,157.41	7,157.41	189.91	248.14	-90.72	13.69	-3,232.04	2,104.76	1,812.84	291.92	7.210		
13,600.00	7,141.60	7,157.60	7,157.60	192.73	248.15	-90.76	13.69	-3,232.04	2,203.65	1,912.23	291.42	7.562		
13,700.00	7,141.79	7,157.79	7,157.79	195.54	248.16	-90.79	13.69	-3,232.04	2,302.64	2,011.67	290.97	7.914		
13,800.00	7,141.99	7,157.99	7,157.99	198.36	248.16	-90.83	13.69	-3,232.04	2,401.71	2,111.13	290.58	8.265		
13,900.00	7,142.18	7,158.18	7,158.18	201.18	248.17	-90.86	13.69	-3,232.04	2,500.85	2,210.63	290.23	8.617		
14,000.00	7,142.37	7,158.37	7,158.37	204.01	248.18	-90.90	13.69	-3,232.04	2,600.06	2,310.15	289.91	8.968		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,158.57	7,158.57	206.83	248.18	-90.93	13.69	-3,232.04	2,699.33	2,409.70	289.63	9.320		
14,200.00	7,142.76	7,158.76	7,158.76	209.65	248.19	-90.97	13.69	-3,232.04	2,798.65	2,509.27	289.38	9.671		
14,300.00	7,142.96	7,158.96	7,158.96	212.48	248.20	-91.00	13.69	-3,232.04	2,898.02	2,608.86	289.16	10.022		
14,400.00	7,143.15	7,159.15	7,159.15	215.30	248.20	-91.03	13.69	-3,232.04	2,997.43	2,708.46	288.96	10.373		
14,500.00	7,143.34	7,159.34	7,159.34	218.13	248.21	-91.07	13.69	-3,232.04	3,096.87	2,808.09	288.79	10.724		
14,600.00	7,143.54	7,159.54	7,159.54	220.96	248.22	-91.10	13.69	-3,232.04	3,196.36	2,907.72	288.63	11.074		
14,700.00	7,143.73	7,159.73	7,159.73	223.79	248.22	-91.14	13.69	-3,232.04	3,295.87	3,007.38	288.49	11.424		
14,800.00	7,143.93	7,159.93	7,159.93	226.62	248.23	-91.17	13.69	-3,232.04	3,395.41	3,107.04	288.37	11.775		
14,838.32	7,144.00	7,160.00	7,160.00	227.70	248.23	-91.19	13.69	-3,232.04	3,433.56	3,145.24	288.32	11.909		
14,900.00	7,144.12	7,160.12	7,160.12	229.45	248.24	-90.98	13.69	-3,232.04	3,494.91	3,206.67	288.25	12.125		
15,000.00	7,144.32	7,160.32	7,160.32	232.26	248.24	-90.77	13.69	-3,232.04	3,594.08	3,306.00	288.08	12.476		
15,027.81	7,144.37	7,160.37	7,160.37	233.04	248.25	-90.73	13.69	-3,232.04	3,621.58	3,333.56	288.02	12.574		
15,100.00	7,144.51	7,160.51	7,160.51	235.07	248.25	-90.75	13.69	-3,232.04	3,692.95	3,405.06	287.88	12.828		
15,200.00	7,144.71	7,160.71	7,160.71	237.87	248.26	-90.77	13.69	-3,232.04	3,791.86	3,504.15	287.71	13.180		
15,300.00	7,144.91	7,160.91	7,160.91	240.68	248.26	-90.79	13.69	-3,232.04	3,890.82	3,603.27	287.55	13.531		
15,400.00	7,145.10	7,161.10	7,161.10	243.48	248.27	-90.81	13.69	-3,232.04	3,989.84	3,702.43	287.41	13.882		
15,500.00	7,145.30	7,161.30	7,161.30	246.29	248.28	-90.83	13.69	-3,232.04	4,088.90	3,801.61	287.29	14.233		
15,600.00	7,145.50	7,161.50	7,161.50	249.10	248.28	-90.85	13.69	-3,232.04	4,188.01	3,900.83	287.18	14.583		
15,700.00	7,145.69	7,161.69	7,161.69	251.91	248.29	-90.87	13.69	-3,232.04	4,287.16	4,000.08	287.08	14.934		
15,800.00	7,145.89	7,161.89	7,161.89	254.71	248.30	-90.89	13.69	-3,232.04	4,386.34	4,099.35	287.00	15.284		
15,900.00	7,146.09	7,162.09	7,162.09	257.52	248.31	-90.91	13.69	-3,232.04	4,485.57	4,198.65	286.92	15.633		
16,000.00	7,146.28	7,162.28	7,162.28	260.34	248.31	-90.93	13.69	-3,232.04	4,584.83	4,297.97	286.86	15.983		
16,100.00	7,146.48	7,162.48	7,162.48	263.15	248.32	-90.95	13.69	-3,232.04	4,684.12	4,397.31	286.81	16.332		
16,200.00	7,146.68	7,162.68	7,162.68	265.96	248.33	-90.97	13.69	-3,232.04	4,783.43	4,496.67	286.77	16.681		
16,300.00	7,146.87	7,162.87	7,162.87	268.77	248.33	-90.99	13.69	-3,232.04	4,882.78	4,596.05	286.73	17.029		
16,400.00	7,147.07	7,163.07	7,163.07	271.58	248.34	-91.01	13.69	-3,232.04	4,982.15	4,695.45	286.70	17.377		
16,500.00	7,147.27	7,163.27	7,163.27	274.40	248.35	-91.03	13.69	-3,232.04	5,081.55	4,794.87	286.69	17.725		
16,600.00	7,147.46	7,163.46	7,163.46	277.21	248.35	-91.05	13.69	-3,232.04	5,180.97	4,894.30	286.67	18.073		
16,700.00	7,147.66	7,163.66	7,163.66	280.03	248.36	-91.07	13.69	-3,232.04	5,280.41	4,993.75	286.67	18.420		
16,800.00	7,147.86	7,163.86	7,163.86	282.84	248.37	-91.09	13.69	-3,232.04	5,379.88	5,093.21	286.67	18.767		
16,900.00	7,148.05	7,164.05	7,164.05	285.66	248.37	-91.11	13.69	-3,232.04	5,479.36	5,192.68	286.68	19.113		
17,000.00	7,148.25	7,164.25	7,164.25	288.48	248.38	-91.13	13.69	-3,232.04	5,578.86	5,292.17	286.69	19.460		
17,100.00	7,148.45	7,164.45	7,164.45	291.29	248.39	-91.16	13.69	-3,232.04	5,678.38	5,391.68	286.70	19.806		
17,200.00	7,148.64	7,164.64	7,164.64	294.11	248.39	-91.18	13.69	-3,232.04	5,777.92	5,491.19	286.73	20.151		
17,300.00	7,148.84	7,164.84	7,164.84	296.93	248.40	-91.20	13.69	-3,232.04	5,877.47	5,590.71	286.75	20.497		
17,400.00	7,149.04	7,165.04	7,165.04	299.75	248.41	-91.22	13.69	-3,232.04	5,977.03	5,690.25	286.78	20.842		
17,500.00	7,149.23	7,165.23	7,165.23	302.57	248.41	-91.24	13.69	-3,232.04	6,076.61	5,789.79	286.82	21.186		
17,600.00	7,149.43	7,165.43	7,165.43	305.39	248.42	-91.26	13.69	-3,232.04	6,176.21	5,889.35	286.86	21.531		
17,700.00	7,149.63	7,165.63	7,165.63	308.21	248.43	-91.28	13.69	-3,232.04	6,275.81	5,988.91	286.90	21.875		
17,800.00	7,149.82	7,165.82	7,165.82	311.03	248.44	-91.30	13.69	-3,232.04	6,375.43	6,088.49	286.95	22.218		
17,900.00	7,150.02	7,166.02	7,166.02	313.85	248.44	-91.32	13.69	-3,232.04	6,475.06	6,188.07	287.00	22.561		
18,000.00	7,150.22	7,166.22	7,166.22	316.67	248.45	-91.34	13.69	-3,232.04	6,574.71	6,287.66	287.05	22.904		
18,100.00	7,150.41	7,166.41	7,166.41	319.49	248.46	-91.36	13.69	-3,232.04	6,674.36	6,387.25	287.11	23.247		
18,200.00	7,150.61	7,166.61	7,166.61	322.32	248.46	-91.38	13.69	-3,232.04	6,774.02	6,486.86	287.16	23.589		
18,300.00	7,150.81	7,166.81	7,166.81	325.14	248.47	-91.40	13.69	-3,232.04	6,873.69	6,586.47	287.23	23.931		
18,400.00	7,151.00	7,167.00	7,167.00	327.96	248.48	-91.42	13.69	-3,232.04	6,973.38	6,686.09	287.29	24.273		
18,500.00	7,151.20	7,167.20	7,167.20	330.78	248.48	-91.44	13.69	-3,232.04	7,073.07	6,785.71	287.36	24.614		
18,600.00	7,151.40	7,167.40	7,167.40	333.61	248.49	-91.46	13.69	-3,232.04	7,172.77	6,885.34	287.43	24.955		
18,700.00	7,151.59	7,167.59	7,167.59	336.43	248.50	-91.48	13.69	-3,232.04	7,272.47	6,984.98	287.50	25.296		
18,800.00	7,151.79	7,167.79	7,167.79	339.26	248.50	-91.50	13.69	-3,232.04	7,372.19	7,084.62	287.57	25.636		
18,906.26	7,152.00	7,168.00	7,168.00	342.26	248.51	-91.52	13.69	-3,232.04	7,478.16	7,190.51	287.65	25.997		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.69	-1,163.42	-2,924.33	3,147.26					
100.00	100.00	102.00	98.00	3.28	3.75	-111.69	-1,163.42	-2,924.33	3,147.26	3,140.23	7.03	447.465		
200.00	200.00	202.00	198.00	3.34	6.24	-111.69	-1,163.42	-2,924.33	3,147.26	3,137.69	9.58	328.687		
300.00	299.98	302.02	297.98	3.44	9.39	168.30	-1,163.42	-2,924.33	3,148.97	3,136.14	12.83	245.383		
400.00	399.84	402.16	397.84	3.60	12.72	168.30	-1,163.42	-2,924.33	3,154.09	3,137.77	16.33	193.199		
500.00	499.45	502.55	497.45	3.81	16.14	168.30	-1,163.42	-2,924.33	3,162.63	3,142.69	19.94	158.585		
600.00	598.70	603.30	596.70	4.06	19.59	168.30	-1,163.42	-2,924.33	3,174.57	3,150.92	23.65	134.249		
700.00	697.47	704.53	695.47	4.34	23.08	168.29	-1,163.42	-2,924.33	3,189.89	3,162.47	27.42	116.328		
785.50	781.43	779.43	779.43	4.61	25.67	168.28	-1,163.42	-2,924.33	3,205.67	3,175.39	30.28	105.870		
800.00	795.63	806.37	793.63	4.66	26.61	168.29	-1,163.42	-2,924.33	3,208.55	3,177.29	31.26	102.632		
900.00	893.55	908.45	891.55	5.02	30.15	168.37	-1,163.42	-2,924.33	3,228.45	3,193.32	35.13	91.901		
1,000.00	991.47	989.47	989.47	5.40	32.96	168.44	-1,163.42	-2,924.33	3,248.34	3,210.05	38.29	84.833		
1,100.00	1,089.39	1,087.39	1,087.39	5.80	36.36	168.51	-1,163.42	-2,924.33	3,268.25	3,226.19	42.06	77.706		
1,200.00	1,187.31	1,185.31	1,185.31	6.21	39.77	168.58	-1,163.42	-2,924.33	3,288.16	3,242.31	45.84	71.724		
1,300.00	1,285.22	1,283.22	1,283.22	6.64	43.18	168.65	-1,163.42	-2,924.33	3,308.07	3,258.43	49.64	66.638		
1,400.00	1,383.14	1,381.14	1,381.14	7.08	46.59	168.72	-1,163.42	-2,924.33	3,327.99	3,274.53	53.45	62.261		
1,500.00	1,481.06	1,479.06	1,479.06	7.52	50.00	168.79	-1,163.42	-2,924.33	3,347.91	3,290.64	57.27	58.457		
1,600.00	1,578.98	1,576.98	1,576.98	7.98	53.41	168.85	-1,163.42	-2,924.33	3,367.83	3,306.74	61.10	55.122		
1,700.00	1,676.90	1,674.90	1,674.90	8.44	56.82	168.92	-1,163.42	-2,924.33	3,387.76	3,322.83	64.93	52.176		
1,800.00	1,774.82	1,772.82	1,772.82	8.90	60.23	168.99	-1,163.42	-2,924.33	3,407.70	3,338.93	68.77	49.553		
1,900.00	1,872.74	1,870.74	1,870.74	9.37	63.65	169.05	-1,163.42	-2,924.33	3,427.64	3,355.03	72.61	47.205		
2,000.00	1,970.66	1,968.66	1,968.66	9.84	67.06	169.12	-1,163.42	-2,924.33	3,447.58	3,371.12	76.46	45.091		
2,100.00	2,068.57	2,066.57	2,066.57	10.32	70.48	169.18	-1,163.42	-2,924.33	3,467.53	3,387.22	80.31	43.177		
2,200.00	2,166.49	2,164.49	2,164.49	10.80	73.89	169.24	-1,163.42	-2,924.33	3,487.48	3,403.32	84.16	41.438		
2,300.00	2,264.41	2,262.41	2,262.41	11.28	77.31	169.30	-1,163.42	-2,924.33	3,507.44	3,419.42	88.02	39.849		
2,400.00	2,362.33	2,360.33	2,360.33	11.76	80.72	169.36	-1,163.42	-2,924.33	3,527.39	3,435.52	91.88	38.393		
2,500.00	2,460.25	2,458.25	2,458.25	12.24	84.14	169.42	-1,163.42	-2,924.33	3,547.36	3,451.62	95.74	37.053		
2,600.00	2,558.17	2,556.17	2,556.17	12.73	87.55	169.48	-1,163.42	-2,924.33	3,567.32	3,467.72	99.60	35.817		
2,700.00	2,656.09	2,654.09	2,654.09	13.22	90.97	169.54	-1,163.42	-2,924.33	3,587.29	3,483.83	103.46	34.672		
2,800.00	2,754.01	2,752.01	2,752.01	13.71	94.38	169.60	-1,163.42	-2,924.33	3,607.27	3,499.94	107.33	33.609		
2,900.00	2,851.92	2,849.92	2,849.92	14.20	97.80	169.66	-1,163.42	-2,924.33	3,627.25	3,516.05	111.20	32.620		
3,000.00	2,949.84	2,947.84	2,947.84	14.69	101.22	169.72	-1,163.42	-2,924.33	3,647.23	3,532.16	115.06	31.698		
3,100.00	3,047.76	3,045.76	3,045.76	15.18	104.63	169.77	-1,163.42	-2,924.33	3,667.21	3,548.28	118.93	30.834		
3,200.00	3,145.68	3,143.68	3,143.68	15.67	108.05	169.83	-1,163.42	-2,924.33	3,687.20	3,564.40	122.80	30.026		
3,300.00	3,243.60	3,241.60	3,241.60	16.17	111.47	169.88	-1,163.42	-2,924.33	3,707.19	3,580.52	126.67	29.266		
3,400.00	3,341.52	3,339.52	3,339.52	16.66	114.88	169.94	-1,163.42	-2,924.33	3,727.19	3,596.64	130.54	28.551		
3,500.00	3,439.44	3,437.44	3,437.44	17.16	118.30	169.99	-1,163.42	-2,924.33	3,747.18	3,612.77	134.42	27.877		
3,600.00	3,537.36	3,535.36	3,535.36	17.65	121.72	170.05	-1,163.42	-2,924.33	3,767.19	3,628.90	138.29	27.241		
3,700.00	3,635.27	3,633.27	3,633.27	18.15	125.14	170.10	-1,163.42	-2,924.33	3,787.19	3,645.03	142.16	26.640		
3,800.00	3,733.19	3,731.19	3,731.19	18.65	128.55	170.15	-1,163.42	-2,924.33	3,807.20	3,661.16	146.04	26.070		
3,900.00	3,831.11	3,829.11	3,829.11	19.14	131.97	170.20	-1,163.42	-2,924.33	3,827.21	3,677.30	149.91	25.530		
4,000.00	3,929.03	3,927.03	3,927.03	19.64	135.39	170.26	-1,163.42	-2,924.33	3,847.22	3,693.43	153.79	25.017		
4,100.00	4,026.95	4,024.95	4,024.95	20.14	138.80	170.31	-1,163.42	-2,924.33	3,867.24	3,709.58	157.66	24.529		
4,200.00	4,124.87	4,122.87	4,122.87	20.64	142.22	170.36	-1,163.42	-2,924.33	3,887.26	3,725.72	161.54	24.064		
4,300.00	4,222.79	4,220.79	4,220.79	21.14	145.64	170.41	-1,163.42	-2,924.33	3,907.28	3,741.86	165.41	23.621		
4,400.00	4,320.71	4,318.71	4,318.71	21.64	149.06	170.46	-1,163.42	-2,924.33	3,927.30	3,758.01	169.29	23.199		
4,500.00	4,418.62	4,416.62	4,416.62	22.14	152.47	170.51	-1,163.42	-2,924.33	3,947.33	3,774.16	173.17	22.795		
4,600.00	4,516.54	4,514.54	4,514.54	22.64	155.89	170.55	-1,163.42	-2,924.33	3,967.36	3,790.32	177.04	22.409		
4,700.00	4,614.46	4,612.46	4,612.46	23.14	159.31	170.60	-1,163.42	-2,924.33	3,987.39	3,806.47	180.92	22.039		
4,800.00	4,712.38	4,710.38	4,710.38	23.64	162.73	170.65	-1,163.42	-2,924.33	4,007.43	3,822.63	184.80	21.685		
4,900.00	4,810.30	4,808.30	4,808.30	24.14	166.14	170.70	-1,163.42	-2,924.33	4,027.47	3,838.79	188.68	21.346		
5,000.00	4,908.22	4,906.22	4,906.22	24.64	169.56	170.74	-1,163.42	-2,924.33	4,047.51	3,854.95	192.56	21.020		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,004.14	5,004.14	25.14	172.98	170.79	-1,163.42	-2,924.33	4,067.55	3,871.12	196.43	20.707		
5,200.00	5,104.06	5,102.06	5,102.06	25.64	176.40	170.83	-1,163.42	-2,924.33	4,087.60	3,887.29	200.31	20.406		
5,300.00	5,201.97	5,200.03	5,199.97	26.14	179.82	170.88	-1,163.42	-2,924.33	4,107.65	3,903.45	204.19	20.116		
5,400.00	5,299.89	5,302.11	5,297.89	26.64	183.38	170.92	-1,163.42	-2,924.33	4,127.70	3,919.48	208.22	19.824		
5,500.00	5,397.81	5,404.19	5,395.81	27.15	186.94	170.97	-1,163.42	-2,924.33	4,147.75	3,935.51	212.24	19.543		
5,600.00	5,495.73	5,506.27	5,493.73	27.65	190.51	171.01	-1,163.42	-2,924.33	4,167.81	3,951.54	216.27	19.272		
5,700.00	5,593.65	5,608.35	5,591.65	28.15	194.07	171.05	-1,163.42	-2,924.33	4,187.86	3,967.57	220.29	19.010		
5,800.00	5,691.57	5,689.57	5,689.57	28.65	196.91	171.10	-1,163.42	-2,924.33	4,207.92	3,984.34	223.59	18.820		
5,900.00	5,789.49	5,787.49	5,787.49	29.15	200.32	171.14	-1,163.42	-2,924.33	4,227.99	4,000.52	227.47	18.587		
6,000.00	5,887.41	5,885.41	5,885.41	29.66	203.74	171.18	-1,163.42	-2,924.33	4,248.05	4,016.70	231.35	18.362		
6,100.00	5,985.32	5,983.32	5,983.32	30.16	207.16	171.22	-1,163.42	-2,924.33	4,268.12	4,032.89	235.23	18.145		
6,200.00	6,083.24	6,081.24	6,081.24	30.66	210.58	171.27	-1,163.42	-2,924.33	4,288.19	4,049.08	239.11	17.934		
6,300.00	6,181.16	6,179.16	6,179.16	31.16	213.99	171.31	-1,163.42	-2,924.33	4,308.26	4,065.27	242.99	17.730		
6,400.00	6,279.08	6,277.08	6,277.08	31.67	217.41	171.35	-1,163.42	-2,924.33	4,328.33	4,081.46	246.87	17.533		
6,490.03	6,367.24	6,365.24	6,365.24	32.12	220.49	171.38	-1,163.42	-2,924.33	4,346.41	4,096.04	250.36	17.360		
6,500.00	6,377.01	6,375.01	6,375.01	32.17	220.83	172.37	-1,163.42	-2,924.33	4,348.33	4,097.58	250.75	17.341		
6,550.00	6,426.43	6,424.43	6,424.43	32.40	222.56	-178.97	-1,163.42	-2,924.33	4,355.83	4,103.13	252.70	17.237		
6,600.00	6,476.27	6,474.27	6,474.27	32.61	224.30	-144.20	-1,163.42	-2,924.33	4,359.65	4,105.00	254.65	17.120		
6,650.00	6,526.21	6,524.21	6,524.21	32.80	226.04	-57.99	-1,163.42	-2,924.33	4,359.78	4,103.20	256.58	16.992		
6,700.00	6,575.96	6,573.96	6,573.96	32.98	227.78	-37.10	-1,163.42	-2,924.33	4,356.22	4,097.73	258.49	16.853		
6,750.00	6,625.19	6,623.19	6,623.19	33.16	229.49	-31.10	-1,163.42	-2,924.33	4,348.99	4,088.63	260.37	16.703		
6,800.00	6,673.62	6,671.62	6,671.62	33.35	231.18	-28.61	-1,163.42	-2,924.33	4,338.14	4,075.94	262.20	16.545		
6,850.00	6,720.94	6,718.94	6,718.94	33.55	232.84	-27.51	-1,163.42	-2,924.33	4,323.75	4,059.77	263.98	16.379		
6,900.00	6,766.86	6,764.86	6,764.86	33.76	234.44	-27.19	-1,163.42	-2,924.33	4,305.90	4,040.20	265.70	16.206		
6,950.00	6,811.10	6,809.10	6,809.10	33.98	235.98	-27.38	-1,163.42	-2,924.33	4,284.72	4,017.37	267.35	16.027		
7,000.00	6,853.38	6,851.38	6,851.38	34.23	237.46	-28.00	-1,163.42	-2,924.33	4,260.34	3,991.43	268.91	15.843		
7,050.00	6,893.45	6,891.45	6,891.45	34.50	239.45	-29.01	-1,163.42	-2,924.33	4,232.93	3,961.93	270.99	15.620		
7,100.00	6,931.05	6,929.05	6,929.05	34.79	240.17	-30.42	-1,163.42	-2,924.33	4,202.65	3,930.87	271.78	15.463		
7,150.00	6,965.96	6,963.96	6,963.96	35.12	241.39	-32.27	-1,163.42	-2,924.33	4,169.71	3,896.64	273.07	15.270		
7,200.00	6,997.96	7,004.04	6,995.96	35.47	242.79	-34.62	-1,163.42	-2,924.33	4,134.33	3,859.79	274.53	15.059		
7,250.00	7,026.85	7,024.85	7,024.85	35.86	243.51	-37.57	-1,163.42	-2,924.33	4,096.72	3,821.39	275.33	14.879		
7,300.00	7,052.45	7,050.45	7,050.45	36.29	244.41	-41.26	-1,163.42	-2,924.33	4,057.13	3,780.84	276.29	14.684		
7,350.00	7,074.61	7,072.61	7,072.61	36.76	245.18	-45.83	-1,163.42	-2,924.33	4,015.81	3,738.67	277.14	14.490		
7,400.00	7,093.19	7,108.81	7,091.19	37.27	246.45	-51.48	-1,163.42	-2,924.33	3,973.03	3,694.54	278.48	14.267		
7,450.00	7,108.07	7,106.07	7,106.07	37.81	246.35	-58.37	-1,163.42	-2,924.33	3,929.06	3,650.57	278.48	14.109		
7,500.00	7,119.17	7,117.17	7,117.17	38.39	246.74	-66.59	-1,163.42	-2,924.33	3,884.17	3,605.19	278.98	13.923		
7,550.00	7,126.41	7,124.41	7,124.41	38.99	246.99	-76.04	-1,163.42	-2,924.33	3,838.65	3,559.30	279.35	13.741		
7,600.00	7,129.75	7,127.75	7,127.75	39.62	247.11	-86.30	-1,163.42	-2,924.33	3,792.79	3,513.18	279.61	13.565		
7,616.41	7,130.00	7,128.00	7,128.00	39.83	247.12	-89.74	-1,163.42	-2,924.33	3,777.72	3,498.05	279.67	13.508		
7,700.00	7,130.16	7,128.16	7,128.16	40.97	247.12	-89.75	-1,163.42	-2,924.33	3,701.05	3,421.10	279.95	13.220		
7,800.00	7,130.35	7,128.35	7,128.35	42.46	247.13	-89.75	-1,163.42	-2,924.33	3,609.74	3,329.38	280.36	12.875		
7,900.00	7,130.55	7,128.55	7,128.55	44.09	247.13	-89.76	-1,163.42	-2,924.33	3,518.91	3,238.06	280.84	12.530		
8,000.00	7,130.74	7,128.74	7,128.74	45.84	247.14	-89.77	-1,163.42	-2,924.33	3,428.58	3,147.16	281.42	12.183		
8,100.00	7,130.94	7,128.94	7,128.94	47.70	247.15	-89.78	-1,163.42	-2,924.33	3,338.81	3,056.72	282.08	11.836		
8,200.00	7,131.13	7,129.13	7,129.13	49.65	247.15	-89.78	-1,163.42	-2,924.33	3,249.63	2,966.77	282.85	11.489		
8,300.00	7,131.32	7,129.32	7,129.32	51.70	247.16	-89.79	-1,163.42	-2,924.33	3,161.10	2,877.36	283.74	11.141		
8,400.00	7,131.52	7,129.52	7,129.52	53.81	247.17	-89.80	-1,163.42	-2,924.33	3,073.27	2,788.53	284.74	10.793		
8,500.00	7,131.71	7,129.71	7,129.71	55.99	247.17	-89.81	-1,163.42	-2,924.33	2,986.21	2,700.34	285.88	10.446		
8,600.00	7,131.90	7,129.90	7,129.90	58.24	247.18	-89.81	-1,163.42	-2,924.33	2,899.99	2,612.84	287.15	10.099		
8,700.00	7,132.10	7,130.10	7,130.10	60.53	247.19	-89.82	-1,163.42	-2,924.33	2,814.68	2,526.10	288.57	9.754		
8,800.00	7,132.29	7,130.29	7,130.29	62.87	247.20	-89.83	-1,163.42	-2,924.33	2,730.36	2,440.20	290.16	9.410		
8,900.00	7,132.49	7,130.49	7,130.49	65.25	247.20	-89.84	-1,163.42	-2,924.33	2,647.14	2,355.23	291.91	9.068		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,130.68	7,130.68	67.68	247.21	-89.84	-1,163.42	-2,924.33	2,565.11	2,271.27	293.84	8.730		
9,100.00	7,132.87	7,130.87	7,130.87	70.13	247.22	-89.85	-1,163.42	-2,924.33	2,484.40	2,188.44	295.96	8.394		
9,200.00	7,133.07	7,131.07	7,131.07	72.61	247.22	-89.86	-1,163.42	-2,924.33	2,405.14	2,106.86	298.28	8.063		
9,300.00	7,133.26	7,131.26	7,131.26	75.13	247.23	-89.87	-1,163.42	-2,924.33	2,327.48	2,026.67	300.81	7.737		
9,400.00	7,133.46	7,131.46	7,131.46	77.66	247.24	-89.87	-1,163.42	-2,924.33	2,251.59	1,948.03	303.55	7.417		
9,500.00	7,133.65	7,131.65	7,131.65	80.22	247.24	-89.88	-1,163.42	-2,924.33	2,177.64	1,871.12	306.52	7.104		
9,600.00	7,133.84	7,131.84	7,131.84	82.80	247.25	-89.89	-1,163.42	-2,924.33	2,105.84	1,796.13	309.71	6.799		
9,700.00	7,134.04	7,132.04	7,132.04	85.40	247.26	-89.90	-1,163.42	-2,924.33	2,036.42	1,723.29	313.13	6.503		
9,800.00	7,134.23	7,132.23	7,132.23	88.01	247.26	-89.90	-1,163.42	-2,924.33	1,969.64	1,652.87	316.78	6.218		
9,900.00	7,134.43	7,132.43	7,132.43	90.64	247.27	-89.91	-1,163.42	-2,924.33	1,905.77	1,585.13	320.64	5.944		
10,000.00	7,134.62	7,132.62	7,132.62	93.28	247.28	-89.92	-1,163.42	-2,924.33	1,845.10	1,520.39	324.71	5.682		
10,100.00	7,134.81	7,132.81	7,132.81	95.94	247.28	-89.93	-1,163.42	-2,924.33	1,787.98	1,459.01	328.97	5.435		
10,200.00	7,135.01	7,133.01	7,133.01	98.61	247.29	-89.93	-1,163.42	-2,924.33	1,734.74	1,401.36	333.39	5.203		
10,300.00	7,135.20	7,133.20	7,133.20	101.28	247.30	-89.94	-1,163.42	-2,924.33	1,685.76	1,347.84	337.92	4.989		
10,400.00	7,135.39	7,133.39	7,133.39	103.97	247.30	-89.95	-1,163.42	-2,924.33	1,641.42	1,298.90	342.52	4.792		
10,500.00	7,135.59	7,133.59	7,133.59	106.67	247.31	-89.96	-1,163.42	-2,924.33	1,602.10	1,254.98	347.12	4.615		
10,600.00	7,135.78	7,133.78	7,133.78	109.38	247.32	-89.96	-1,163.42	-2,924.33	1,568.18	1,216.53	351.65	4.460		
10,700.00	7,135.98	7,133.98	7,133.98	112.09	247.32	-89.97	-1,163.42	-2,924.33	1,540.01	1,183.99	356.03	4.326		
10,800.00	7,136.17	7,134.17	7,134.17	114.81	247.33	-89.98	-1,163.42	-2,924.33	1,517.93	1,157.76	360.17	4.214		
10,900.00	7,136.36	7,134.36	7,134.36	117.54	247.34	-89.99	-1,163.42	-2,924.33	1,502.19	1,138.20	363.99	4.127		
11,000.00	7,136.56	7,134.56	7,134.56	120.28	247.34	-89.99	-1,163.42	-2,924.33	1,492.99	1,125.58	367.41	4.064		
11,087.70	7,136.73	7,134.73	7,134.73	122.68	247.35	-90.00	-1,163.42	-2,924.33	1,490.41	1,120.39	370.03	4.028 CC		
11,100.00	7,136.75	7,134.75	7,134.75	123.02	247.35	-90.00	-1,163.42	-2,924.33	1,490.47	1,120.10	370.37	4.024 ES		
11,200.00	7,136.95	7,134.95	7,134.95	125.76	247.36	-90.01	-1,163.42	-2,924.33	1,494.64	1,121.83	372.81	4.009 SF		
11,300.00	7,137.14	7,135.14	7,135.14	128.52	247.36	-90.02	-1,163.42	-2,924.33	1,505.46	1,130.75	374.71	4.018		
11,400.00	7,137.33	7,135.33	7,135.33	131.27	247.37	-90.02	-1,163.42	-2,924.33	1,522.78	1,146.71	376.07	4.049		
11,500.00	7,137.53	7,135.53	7,135.53	134.03	247.38	-90.03	-1,163.42	-2,924.33	1,546.39	1,169.48	376.91	4.103		
11,600.00	7,137.72	7,135.72	7,135.72	136.80	247.38	-90.04	-1,163.42	-2,924.33	1,576.01	1,198.75	377.26	4.178		
11,700.00	7,137.92	7,135.92	7,135.92	139.57	247.39	-90.05	-1,163.42	-2,924.33	1,611.29	1,234.12	377.16	4.272		
11,800.00	7,138.11	7,136.11	7,136.11	142.34	247.40	-90.05	-1,163.42	-2,924.33	1,651.88	1,275.20	376.68	4.385		
11,900.00	7,138.30	7,136.30	7,136.30	145.12	247.41	-90.06	-1,163.42	-2,924.33	1,697.40	1,321.52	375.88	4.516		
12,000.00	7,138.50	7,136.50	7,136.50	147.90	247.41	-90.07	-1,163.42	-2,924.33	1,747.47	1,372.66	374.81	4.662		
12,100.00	7,138.69	7,136.69	7,136.69	150.68	247.42	-90.08	-1,163.42	-2,924.33	1,801.69	1,428.17	373.53	4.823		
12,200.00	7,138.88	7,136.88	7,136.88	153.47	247.43	-90.08	-1,163.42	-2,924.33	1,859.72	1,487.64	372.08	4.998		
12,300.00	7,139.08	7,137.08	7,137.08	156.26	247.43	-90.09	-1,163.42	-2,924.33	1,921.20	1,550.68	370.52	5.185		
12,400.00	7,139.27	7,137.27	7,137.27	159.05	247.44	-90.10	-1,163.42	-2,924.33	1,985.82	1,616.93	368.89	5.383		
12,500.00	7,139.47	7,137.47	7,137.47	161.85	247.45	-90.11	-1,163.42	-2,924.33	2,053.27	1,686.07	367.20	5.592		
12,600.00	7,139.66	7,137.66	7,137.66	164.64	247.45	-90.11	-1,163.42	-2,924.33	2,123.30	1,757.80	365.50	5.809		
12,700.00	7,139.85	7,137.85	7,137.85	167.44	247.46	-90.12	-1,163.42	-2,924.33	2,195.64	1,831.85	363.80	6.035		
12,800.00	7,140.05	7,138.05	7,138.05	170.24	247.47	-90.13	-1,163.42	-2,924.33	2,270.09	1,907.98	362.11	6.269		
12,900.00	7,140.24	7,138.24	7,138.24	173.05	247.47	-90.14	-1,163.42	-2,924.33	2,346.44	1,985.99	360.45	6.510		
13,000.00	7,140.44	7,138.44	7,138.44	175.85	247.48	-90.14	-1,163.42	-2,924.33	2,424.51	2,065.69	358.82	6.757		
13,100.00	7,140.63	7,138.63	7,138.63	178.66	247.49	-90.15	-1,163.42	-2,924.33	2,504.14	2,146.89	357.24	7.010		
13,200.00	7,140.82	7,138.82	7,138.82	181.47	247.49	-90.16	-1,163.42	-2,924.33	2,585.18	2,229.47	355.71	7.268		
13,300.00	7,141.02	7,139.02	7,139.02	184.28	247.50	-90.16	-1,163.42	-2,924.33	2,667.51	2,313.28	354.23	7.530		
13,400.00	7,141.21	7,139.21	7,139.21	187.10	247.51	-90.17	-1,163.42	-2,924.33	2,751.01	2,398.21	352.80	7.798		
13,500.00	7,141.41	7,139.41	7,139.41	189.91	247.51	-90.18	-1,163.42	-2,924.33	2,835.58	2,484.16	351.42	8.069		
13,600.00	7,141.60	7,139.60	7,139.60	192.73	247.52	-90.19	-1,163.42	-2,924.33	2,921.13	2,571.02	350.10	8.344		
13,700.00	7,141.79	7,139.79	7,139.79	195.54	247.53	-90.19	-1,163.42	-2,924.33	3,007.57	2,658.73	348.83	8.622		
13,800.00	7,141.99	7,139.99	7,139.99	198.36	247.53	-90.20	-1,163.42	-2,924.33	3,094.82	2,747.20	347.62	8.903		
13,900.00	7,142.18	7,140.18	7,140.18	201.18	247.54	-90.21	-1,163.42	-2,924.33	3,182.82	2,836.37	346.45	9.187		
14,000.00	7,142.37	7,140.37	7,140.37	204.01	247.55	-90.22	-1,163.42	-2,924.33	3,271.52	2,926.18	345.33	9.473		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,140.57	7,140.57	206.83	247.55	-90.22	-1,163.42	-2,924.33	3,360.85	3,016.58	344.26	9.762		
14,200.00	7,142.76	7,140.76	7,140.76	209.65	247.56	-90.23	-1,163.42	-2,924.33	3,450.76	3,107.52	343.24	10.054		
14,300.00	7,142.96	7,140.96	7,140.96	212.48	247.57	-90.24	-1,163.42	-2,924.33	3,541.21	3,198.96	342.26	10.347		
14,400.00	7,143.15	7,141.15	7,141.15	215.30	247.57	-90.25	-1,163.42	-2,924.33	3,632.17	3,290.85	341.32	10.642		
14,500.00	7,143.34	7,141.34	7,141.34	218.13	247.58	-90.25	-1,163.42	-2,924.33	3,723.59	3,383.17	340.42	10.938		
14,600.00	7,143.54	7,141.54	7,141.54	220.96	247.59	-90.26	-1,163.42	-2,924.33	3,815.44	3,475.89	339.55	11.237		
14,700.00	7,143.73	7,141.73	7,141.73	223.79	247.59	-90.27	-1,163.42	-2,924.33	3,907.69	3,568.96	338.73	11.536		
14,800.00	7,143.93	7,141.93	7,141.93	226.62	247.60	-90.28	-1,163.42	-2,924.33	4,000.31	3,662.38	337.94	11.837		
14,838.32	7,144.00	7,142.00	7,142.00	227.70	247.60	-90.28	-1,163.42	-2,924.33	4,035.90	3,698.26	337.64	11.953		
14,900.00	7,144.12	7,142.12	7,142.12	229.45	247.61	-90.27	-1,163.42	-2,924.33	4,093.04	3,755.87	337.16	12.140		
15,000.00	7,144.32	7,142.32	7,142.32	232.26	247.61	-90.25	-1,163.42	-2,924.33	4,184.87	3,848.52	336.36	12.442		
15,027.81	7,144.37	7,142.37	7,142.37	233.04	247.62	-90.25	-1,163.42	-2,924.33	4,210.23	3,874.11	336.12	12.526		
15,100.00	7,144.51	7,142.51	7,142.51	235.07	247.62	-90.25	-1,163.42	-2,924.33	4,276.06	3,940.54	335.53	12.744		
15,200.00	7,144.71	7,142.71	7,142.71	237.87	247.63	-90.26	-1,163.42	-2,924.33	4,367.59	4,032.86	334.73	13.048		
15,300.00	7,144.91	7,142.91	7,142.91	240.68	247.64	-90.27	-1,163.42	-2,924.33	4,459.47	4,125.51	333.96	13.353		
15,400.00	7,145.10	7,143.10	7,143.10	243.48	247.64	-90.27	-1,163.42	-2,924.33	4,551.70	4,218.48	333.22	13.660		
15,500.00	7,145.30	7,143.30	7,143.30	246.29	247.65	-90.28	-1,163.42	-2,924.33	4,644.25	4,311.74	332.51	13.967		
15,600.00	7,145.50	7,143.50	7,143.50	249.10	247.66	-90.29	-1,163.42	-2,924.33	4,737.10	4,405.28	331.83	14.276		
15,700.00	7,145.69	7,143.69	7,143.69	251.91	247.66	-90.29	-1,163.42	-2,924.33	4,830.24	4,499.07	331.17	14.585		
15,800.00	7,145.89	7,143.89	7,143.89	254.71	247.67	-90.30	-1,163.42	-2,924.33	4,923.65	4,593.11	330.54	14.896		
15,900.00	7,146.09	7,144.09	7,144.09	257.52	247.68	-90.30	-1,163.42	-2,924.33	5,017.31	4,687.38	329.93	15.207		
16,000.00	7,146.28	7,144.28	7,144.28	260.34	247.68	-90.31	-1,163.42	-2,924.33	5,111.21	4,781.87	329.34	15.519		
16,100.00	7,146.48	7,144.48	7,144.48	263.15	247.69	-90.32	-1,163.42	-2,924.33	5,205.34	4,876.56	328.78	15.832		
16,200.00	7,146.68	7,144.68	7,144.68	265.96	247.70	-90.32	-1,163.42	-2,924.33	5,299.69	4,971.45	328.24	16.146		
16,300.00	7,146.87	7,144.87	7,144.87	268.77	247.70	-90.33	-1,163.42	-2,924.33	5,394.24	5,066.52	327.71	16.460		
16,400.00	7,147.07	7,145.07	7,145.07	271.58	247.71	-90.34	-1,163.42	-2,924.33	5,488.98	5,161.77	327.21	16.775		
16,500.00	7,147.27	7,145.27	7,145.27	274.40	247.72	-90.34	-1,163.42	-2,924.33	5,583.90	5,257.18	326.72	17.091		
16,600.00	7,147.46	7,145.46	7,145.46	277.21	247.72	-90.35	-1,163.42	-2,924.33	5,679.00	5,352.74	326.26	17.406		
16,700.00	7,147.66	7,145.66	7,145.66	280.03	247.73	-90.36	-1,163.42	-2,924.33	5,774.26	5,448.46	325.81	17.723		
16,800.00	7,147.86	7,145.86	7,145.86	282.84	247.74	-90.36	-1,163.42	-2,924.33	5,869.69	5,544.31	325.37	18.040		
16,900.00	7,148.05	7,146.05	7,146.05	285.66	247.75	-90.37	-1,163.42	-2,924.33	5,965.26	5,640.30	324.96	18.357		
17,000.00	7,148.25	7,146.25	7,146.25	288.48	247.75	-90.38	-1,163.42	-2,924.33	6,060.97	5,736.42	324.55	18.675		
17,100.00	7,148.45	7,146.45	7,146.45	291.29	247.76	-90.38	-1,163.42	-2,924.33	6,156.82	5,832.66	324.16	18.993		
17,200.00	7,148.64	7,146.64	7,146.64	294.11	247.77	-90.39	-1,163.42	-2,924.33	6,252.80	5,929.02	323.79	19.311		
17,300.00	7,148.84	7,146.84	7,146.84	296.93	247.77	-90.40	-1,163.42	-2,924.33	6,348.91	6,025.48	323.43	19.630		
17,400.00	7,149.04	7,147.04	7,147.04	299.75	247.78	-90.40	-1,163.42	-2,924.33	6,445.13	6,122.05	323.08	19.949		
17,500.00	7,149.23	7,147.23	7,147.23	302.57	247.79	-90.41	-1,163.42	-2,924.33	6,541.47	6,218.73	322.74	20.268		
17,600.00	7,149.43	7,147.43	7,147.43	305.39	247.79	-90.41	-1,163.42	-2,924.33	6,637.91	6,315.50	322.42	20.588		
17,700.00	7,149.63	7,147.63	7,147.63	308.21	247.80	-90.42	-1,163.42	-2,924.33	6,734.46	6,412.36	322.11	20.908		
17,800.00	7,149.82	7,147.82	7,147.82	311.03	247.81	-90.43	-1,163.42	-2,924.33	6,831.11	6,509.31	321.80	21.228		
17,900.00	7,150.02	7,148.02	7,148.02	313.85	247.81	-90.43	-1,163.42	-2,924.33	6,927.85	6,606.34	321.51	21.548		
18,000.00	7,150.22	7,148.22	7,148.22	316.67	247.82	-90.44	-1,163.42	-2,924.33	7,024.69	6,703.46	321.23	21.868		
18,100.00	7,150.41	7,148.41	7,148.41	319.49	247.83	-90.45	-1,163.42	-2,924.33	7,121.61	6,800.65	320.96	22.188		
18,200.00	7,150.61	7,148.61	7,148.61	322.32	247.83	-90.45	-1,163.42	-2,924.33	7,218.62	6,897.92	320.70	22.509		
18,300.00	7,150.81	7,148.81	7,148.81	325.14	247.84	-90.46	-1,163.42	-2,924.33	7,315.70	6,995.25	320.45	22.830		
18,400.00	7,151.00	7,149.00	7,149.00	327.96	247.85	-90.47	-1,163.42	-2,924.33	7,412.87	7,092.66	320.21	23.150		
18,500.00	7,151.20	7,149.20	7,149.20	330.78	247.86	-90.47	-1,163.42	-2,924.33	7,510.10	7,190.13	319.97	23.471		
18,600.00	7,151.40	7,149.40	7,149.40	333.61	247.86	-90.48	-1,163.42	-2,924.33	7,607.41	7,287.67	319.75	23.792		
18,700.00	7,151.59	7,149.59	7,149.59	336.43	247.87	-90.49	-1,163.42	-2,924.33	7,704.79	7,385.26	319.53	24.113		
18,800.00	7,151.79	7,149.79	7,149.79	339.26	247.88	-90.49	-1,163.42	-2,924.33	7,802.24	7,482.92	319.32	24.434		
18,906.26	7,152.00	7,150.00	7,150.00	342.26	247.88	-90.50	-1,163.42	-2,924.33	7,905.86	7,586.75	319.10	24.775		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-176.95	-4,043.79	-215.56	4,049.59					
100.00	100.00	78.00	78.00	3.28	3.55	-176.95	-4,043.79	-215.56	4,049.53	4,042.70	6.84	592.378		
200.00	200.00	178.00	178.00	3.34	5.54	-176.95	-4,043.79	-215.56	4,049.53	4,040.65	8.88	456.023 CC		
300.00	299.98	277.98	277.98	3.44	8.61	103.07	-4,043.79	-215.56	4,049.93	4,037.88	12.05	336.063		
400.00	399.84	377.84	377.84	3.60	11.91	103.12	-4,043.79	-215.56	4,051.12	4,035.61	15.50	261.291		
500.00	499.45	477.45	477.45	3.81	15.28	103.20	-4,043.79	-215.56	4,053.11	4,034.03	19.08	212.420		
600.00	598.70	576.70	576.70	4.06	18.68	103.31	-4,043.79	-215.56	4,055.92	4,033.19	22.73	178.468		
700.00	697.47	675.47	675.47	4.34	22.08	103.45	-4,043.79	-215.56	4,059.58	4,033.17	26.42	153.680		
785.50	781.43	759.43	759.43	4.61	24.98	103.59	-4,043.79	-215.56	4,063.41	4,033.82	29.59	137.306		
800.00	795.63	773.63	773.63	4.66	25.47	103.63	-4,043.79	-215.56	4,064.12	4,033.99	30.13	134.865		
900.00	893.55	871.55	871.55	5.02	28.87	103.90	-4,043.79	-215.56	4,069.05	4,035.16	33.88	120.088		
1,000.00	991.47	969.47	969.47	5.40	32.27	104.18	-4,043.79	-215.56	4,074.07	4,036.41	37.66	108.173		
1,100.00	1,089.39	1,067.39	1,067.39	5.80	35.67	104.45	-4,043.79	-215.56	4,079.19	4,037.72	41.46	98.380		
1,200.00	1,187.31	1,165.31	1,165.31	6.21	39.07	104.72	-4,043.79	-215.56	4,084.40	4,039.11	45.28	90.197		
1,300.00	1,285.22	1,263.22	1,263.22	6.64	42.48	104.99	-4,043.79	-215.56	4,089.70	4,040.59	49.12	83.264		
1,400.00	1,383.14	1,361.14	1,361.14	7.08	45.89	105.26	-4,043.79	-215.56	4,095.10	4,042.14	52.96	77.320		
1,500.00	1,481.06	1,459.06	1,459.06	7.52	49.30	105.52	-4,043.79	-215.56	4,100.59	4,043.78	56.82	72.170		
1,600.00	1,578.98	1,556.98	1,556.98	7.98	52.71	105.79	-4,043.79	-215.56	4,106.18	4,045.50	60.68	67.667		
1,700.00	1,676.90	1,654.90	1,654.90	8.44	56.12	106.06	-4,043.79	-215.56	4,111.86	4,047.31	64.55	63.698		
1,800.00	1,774.82	1,752.82	1,752.82	8.90	59.54	106.33	-4,043.79	-215.56	4,117.63	4,049.20	68.43	60.175		
1,900.00	1,872.74	1,850.74	1,850.74	9.37	62.95	106.59	-4,043.79	-215.56	4,123.49	4,051.18	72.31	57.027		
2,000.00	1,970.66	1,948.66	1,948.66	9.84	66.36	106.86	-4,043.79	-215.56	4,129.44	4,053.25	76.19	54.197		
2,100.00	2,068.57	2,046.57	2,046.57	10.32	69.78	107.12	-4,043.79	-215.56	4,135.49	4,055.41	80.08	51.642		
2,200.00	2,166.49	2,144.49	2,144.49	10.80	73.19	107.38	-4,043.79	-215.56	4,141.62	4,057.65	83.97	49.322		
2,300.00	2,264.41	2,242.41	2,242.41	11.28	76.61	107.65	-4,043.79	-215.56	4,147.85	4,059.98	87.86	47.207		
2,400.00	2,362.33	2,340.33	2,340.33	11.76	80.02	107.91	-4,043.79	-215.56	4,154.16	4,062.40	91.76	45.272		
2,500.00	2,460.25	2,438.25	2,438.25	12.24	83.44	108.17	-4,043.79	-215.56	4,160.57	4,064.91	95.66	43.494		
2,600.00	2,558.17	2,536.17	2,536.17	12.73	86.85	108.43	-4,043.79	-215.56	4,167.06	4,067.51	99.56	41.856		
2,700.00	2,656.09	2,634.09	2,634.09	13.22	90.27	108.69	-4,043.79	-215.56	4,173.65	4,070.19	103.46	40.342		
2,800.00	2,754.01	2,732.01	2,732.01	13.71	93.69	108.95	-4,043.79	-215.56	4,180.32	4,072.96	107.36	38.937		
2,900.00	2,851.92	2,829.92	2,829.92	14.20	97.10	109.20	-4,043.79	-215.56	4,187.07	4,075.81	111.26	37.632		
3,000.00	2,949.84	2,927.84	2,927.84	14.69	100.52	109.46	-4,043.79	-215.56	4,193.92	4,078.75	115.17	36.416		
3,100.00	3,047.76	3,025.76	3,025.76	15.18	103.94	109.72	-4,043.79	-215.56	4,200.85	4,081.78	119.07	35.280		
3,200.00	3,145.68	3,123.68	3,123.68	15.67	107.35	109.97	-4,043.79	-215.56	4,207.87	4,084.89	122.98	34.217		
3,300.00	3,243.60	3,221.60	3,221.60	16.17	110.77	110.23	-4,043.79	-215.56	4,214.98	4,088.09	126.88	33.219		
3,400.00	3,341.52	3,319.52	3,319.52	16.66	114.19	110.48	-4,043.79	-215.56	4,222.17	4,091.38	130.79	32.282		
3,500.00	3,439.44	3,417.44	3,417.44	17.16	117.60	110.73	-4,043.79	-215.56	4,229.44	4,094.74	134.70	31.399		
3,600.00	3,537.36	3,515.36	3,515.36	17.65	121.02	110.99	-4,043.79	-215.56	4,236.80	4,098.20	138.61	30.567		
3,700.00	3,635.27	3,613.27	3,613.27	18.15	124.44	111.24	-4,043.79	-215.56	4,244.25	4,101.73	142.52	29.781		
3,800.00	3,733.19	3,711.19	3,711.19	18.65	127.85	111.49	-4,043.79	-215.56	4,251.78	4,105.35	146.42	29.037		
3,900.00	3,831.11	3,809.11	3,809.11	19.14	131.27	111.74	-4,043.79	-215.56	4,259.39	4,109.06	150.33	28.333		
4,000.00	3,929.03	3,907.03	3,907.03	19.64	134.69	111.99	-4,043.79	-215.56	4,267.08	4,112.84	154.24	27.665		
4,100.00	4,026.95	4,004.95	4,004.95	20.14	138.11	112.23	-4,043.79	-215.56	4,274.86	4,116.71	158.15	27.030		
4,200.00	4,124.87	4,102.87	4,102.87	20.64	141.52	112.48	-4,043.79	-215.56	4,282.72	4,120.66	162.06	26.426		
4,300.00	4,222.79	4,200.79	4,200.79	21.14	144.94	112.73	-4,043.79	-215.56	4,290.66	4,124.69	165.97	25.852		
4,400.00	4,320.71	4,301.29	4,298.71	21.64	148.45	112.97	-4,043.79	-215.56	4,298.68	4,128.71	169.97	25.291		
4,500.00	4,418.62	4,403.38	4,396.62	22.14	152.01	113.22	-4,043.79	-215.56	4,306.79	4,132.76	174.03	24.748		
4,600.00	4,516.54	4,505.46	4,494.54	22.64	155.57	113.46	-4,043.79	-215.56	4,314.97	4,136.89	178.08	24.230		
4,700.00	4,614.46	4,607.54	4,592.46	23.14	159.14	113.70	-4,043.79	-215.56	4,323.23	4,141.09	182.14	23.736		
4,800.00	4,712.38	4,709.62	4,690.38	23.64	162.70	113.94	-4,043.79	-215.56	4,331.58	4,145.38	186.19	23.264		
4,900.00	4,810.30	4,788.30	4,788.30	24.14	165.45	114.18	-4,043.79	-215.56	4,340.00	4,150.56	189.43	22.910		
5,000.00	4,908.22	4,886.22	4,886.22	24.64	168.86	114.42	-4,043.79	-215.56	4,348.50	4,155.15	193.34	22.491		

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 9N-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 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,984.14	4,984.14	25.14	172.28	114.66	-4,043.79	-215.56	4,357.07	4,159.82	197.25	22.089		
5,200.00	5,104.06	5,082.06	5,082.06	25.64	175.70	114.90	-4,043.79	-215.56	4,365.73	4,164.56	201.16	21.702		
5,300.00	5,201.97	5,179.97	5,179.97	26.14	179.12	115.14	-4,043.79	-215.56	4,374.46	4,169.39	205.07	21.331		
5,400.00	5,299.89	5,277.89	5,277.89	26.64	182.54	115.37	-4,043.79	-215.56	4,383.27	4,174.29	208.99	20.974		
5,500.00	5,397.81	5,375.81	5,375.81	27.15	185.95	115.61	-4,043.79	-215.56	4,392.15	4,179.26	212.90	20.631		
5,600.00	5,495.73	5,473.73	5,473.73	27.65	189.37	115.84	-4,043.79	-215.56	4,401.12	4,184.31	216.81	20.300		
5,700.00	5,593.65	5,571.65	5,571.65	28.15	192.79	116.08	-4,043.79	-215.56	4,410.15	4,189.44	220.72	19.981		
5,800.00	5,691.57	5,669.57	5,669.57	28.65	196.21	116.31	-4,043.79	-215.56	4,419.26	4,194.64	224.63	19.674		
5,900.00	5,789.49	5,767.49	5,767.49	29.15	199.62	116.54	-4,043.79	-215.56	4,428.45	4,199.91	228.54	19.378		
6,000.00	5,887.41	5,865.41	5,865.41	29.66	203.04	116.77	-4,043.79	-215.56	4,437.71	4,205.26	232.45	19.091		
6,100.00	5,985.32	5,963.32	5,963.32	30.16	206.46	117.00	-4,043.79	-215.56	4,447.04	4,210.68	236.35	18.815		
6,200.00	6,083.24	6,061.24	6,061.24	30.66	209.88	117.23	-4,043.79	-215.56	4,456.44	4,216.18	240.26	18.548		
6,300.00	6,181.16	6,159.16	6,159.16	31.16	213.30	117.46	-4,043.79	-215.56	4,465.92	4,221.75	244.17	18.290		
6,400.00	6,279.08	6,257.08	6,257.08	31.67	216.71	117.68	-4,043.79	-215.56	4,475.47	4,227.39	248.08	18.040		
6,490.03	6,367.24	6,345.24	6,345.24	32.12	219.79	117.89	-4,043.79	-215.56	4,484.13	4,232.52	251.60	17.822		
6,500.00	6,377.01	6,355.01	6,355.01	32.17	220.13	118.92	-4,043.79	-215.56	4,485.07	4,233.07	251.99	17.798		
6,550.00	6,426.43	6,404.43	6,404.43	32.40	221.86	127.76	-4,043.79	-215.56	4,489.12	4,235.17	253.95	17.677		
6,600.00	6,476.27	6,454.27	6,454.27	32.61	223.60	162.71	-4,043.79	-215.56	4,492.02	4,236.13	255.89	17.554		
6,650.00	6,526.21	6,504.21	6,504.21	32.80	225.34	-110.92	-4,043.79	-215.56	4,493.77	4,235.94	257.82	17.430		
6,700.00	6,575.96	6,553.96	6,553.96	32.98	227.08	-89.89	-4,043.79	-215.56	4,494.34	4,234.60	259.74	17.303		
6,750.00	6,625.19	6,603.19	6,603.19	33.16	228.80	-83.76	-4,043.79	-215.56	4,493.75	4,232.10	261.64	17.175		
6,800.00	6,673.62	6,651.62	6,651.62	33.35	230.49	-81.14	-4,043.79	-215.56	4,492.02	4,228.49	263.52	17.046		
6,850.00	6,720.94	6,701.06	6,698.94	33.55	232.21	-79.91	-4,043.79	-215.56	4,489.19	4,223.74	265.45	16.912		
6,900.00	6,766.86	6,744.86	6,744.86	33.76	233.74	-79.40	-4,043.79	-215.56	4,485.31	4,218.13	267.19	16.787		
6,950.00	6,811.10	6,789.10	6,789.10	33.98	235.29	-79.34	-4,043.79	-215.56	4,480.46	4,211.51	268.96	16.659		
7,000.00	6,853.38	6,831.38	6,831.38	34.23	236.76	-79.58	-4,043.79	-215.56	4,474.72	4,204.05	270.68	16.532		
7,050.00	6,893.45	6,871.45	6,871.45	34.50	238.16	-80.06	-4,043.79	-215.56	4,468.18	4,195.84	272.34	16.407		
7,100.00	6,931.05	6,909.05	6,909.05	34.79	239.47	-80.70	-4,043.79	-215.56	4,460.93	4,186.98	273.94	16.284		
7,150.00	6,965.96	6,943.96	6,943.96	35.12	240.69	-81.48	-4,043.79	-215.56	4,453.08	4,177.60	275.48	16.165		
7,200.00	6,997.96	6,975.96	6,975.96	35.47	241.81	-82.34	-4,043.79	-215.56	4,444.75	4,167.80	276.95	16.049		
7,250.00	7,026.85	7,004.85	7,004.85	35.86	242.82	-83.28	-4,043.79	-215.56	4,436.04	4,157.69	278.35	15.937		
7,300.00	7,052.45	7,030.45	7,030.45	36.29	243.71	-84.25	-4,043.79	-215.56	4,427.08	4,147.41	279.67	15.830		
7,350.00	7,074.61	7,052.61	7,052.61	36.76	244.48	-85.23	-4,043.79	-215.56	4,417.97	4,137.06	280.92	15.727		
7,400.00	7,093.19	7,071.19	7,071.19	37.27	245.13	-86.21	-4,043.79	-215.56	4,408.83	4,126.75	282.08	15.630		
7,450.00	7,108.07	7,086.07	7,086.07	37.81	245.65	-87.17	-4,043.79	-215.56	4,399.75	4,116.60	283.15	15.539		
7,500.00	7,119.17	7,102.83	7,102.83	38.39	246.24	-88.08	-4,043.79	-215.56	4,390.83	4,106.50	284.32	15.443		
7,550.00	7,126.41	7,104.41	7,104.41	38.99	246.29	-88.94	-4,043.79	-215.56	4,382.15	4,097.15	285.00	15.376		
7,600.00	7,129.75	7,107.75	7,107.75	39.62	246.41	-89.74	-4,043.79	-215.56	4,373.79	4,088.03	285.76	15.306		
7,616.41	7,130.00	7,108.00	7,108.00	39.83	246.42	-89.98	-4,043.79	-215.56	4,371.13	4,085.15	285.98	15.285		
7,700.00	7,130.16	7,108.16	7,108.16	40.97	246.42	-89.98	-4,043.79	-215.56	4,358.46	4,071.30	287.15	15.178		
7,800.00	7,130.35	7,108.35	7,108.35	42.46	246.43	-89.99	-4,043.79	-215.56	4,345.36	4,056.66	288.70	15.052		
7,900.00	7,130.55	7,108.55	7,108.55	44.09	246.44	-89.99	-4,043.79	-215.56	4,334.53	4,044.15	290.38	14.927		
8,000.00	7,130.74	7,108.74	7,108.74	45.84	246.44	-89.99	-4,043.79	-215.56	4,325.99	4,033.81	292.18	14.806		
8,100.00	7,130.94	7,108.94	7,108.94	47.70	246.45	-89.99	-4,043.79	-215.56	4,319.75	4,025.66	294.09	14.688		
8,200.00	7,131.13	7,109.13	7,109.13	49.65	246.46	-90.00	-4,043.79	-215.56	4,315.81	4,019.72	296.09	14.576		
8,300.00	7,131.32	7,109.32	7,109.32	51.70	246.46	-90.00	-4,043.79	-215.56	4,314.19	4,016.04	298.15	14.470		
8,319.93	7,131.36	7,109.36	7,109.36	52.12	246.46	-90.00	-4,043.79	-215.56	4,314.15	4,015.57	298.58	14.449		
8,400.00	7,131.52	7,109.52	7,109.52	53.81	246.47	-90.00	-4,043.79	-215.56	4,314.89	4,014.61	300.28	14.370 ES		
8,500.00	7,131.71	7,109.71	7,109.71	55.99	246.48	-90.00	-4,043.79	-215.56	4,317.90	4,015.45	302.45	14.276		
8,600.00	7,131.90	7,109.90	7,109.90	58.24	246.48	-90.01	-4,043.79	-215.56	4,323.23	4,018.57	304.65	14.191		
8,700.00	7,132.10	7,110.10	7,110.10	60.53	246.49	-90.01	-4,043.79	-215.56	4,330.86	4,023.98	306.88	14.113		
8,800.00	7,132.29	7,110.29	7,110.29	62.87	246.50	-90.01	-4,043.79	-215.56	4,340.77	4,031.66	309.12	14.043		

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)
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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,110.49	7,110.49	65.25	246.50	-90.01	-4,043.79	-215.56	4,352.97	4,041.61	311.35	13.981		
9,000.00	7,132.68	7,110.68	7,110.68	67.68	246.51	-90.02	-4,043.79	-215.56	4,367.42	4,053.83	313.59	13.927		
9,100.00	7,132.87	7,110.87	7,110.87	70.13	246.52	-90.02	-4,043.79	-215.56	4,384.10	4,068.29	315.81	13.882		
9,200.00	7,133.07	7,111.07	7,111.07	72.61	246.52	-90.02	-4,043.79	-215.56	4,403.00	4,084.98	318.01	13.845		
9,300.00	7,133.26	7,111.26	7,111.26	75.13	246.53	-90.03	-4,043.79	-215.56	4,424.07	4,103.88	320.19	13.817		
9,400.00	7,133.46	7,111.46	7,111.46	77.66	246.54	-90.03	-4,043.79	-215.56	4,447.29	4,124.96	322.34	13.797		
9,500.00	7,133.65	7,111.65	7,111.65	80.22	246.54	-90.03	-4,043.79	-215.56	4,472.63	4,148.18	324.45	13.785		
9,600.00	7,133.84	7,111.84	7,111.84	82.80	246.55	-90.03	-4,043.79	-215.56	4,500.05	4,173.53	326.52	13.782 SF		
9,700.00	7,134.04	7,112.04	7,112.04	85.40	246.56	-90.04	-4,043.79	-215.56	4,529.51	4,200.96	328.55	13.786		
9,800.00	7,134.23	7,112.23	7,112.23	88.01	246.56	-90.04	-4,043.79	-215.56	4,560.97	4,230.44	330.53	13.799		
9,900.00	7,134.43	7,112.43	7,112.43	90.64	246.57	-90.04	-4,043.79	-215.56	4,594.40	4,261.93	332.47	13.819		
10,000.00	7,134.62	7,112.62	7,112.62	93.28	246.58	-90.04	-4,043.79	-215.56	4,629.74	4,295.38	334.36	13.847		
10,100.00	7,134.81	7,112.81	7,112.81	95.94	246.59	-90.05	-4,043.79	-215.56	4,666.96	4,330.76	336.19	13.882		
10,200.00	7,135.01	7,113.01	7,113.01	98.61	246.59	-90.05	-4,043.79	-215.56	4,706.01	4,368.03	337.98	13.924		
10,300.00	7,135.20	7,113.20	7,113.20	101.28	246.60	-90.05	-4,043.79	-215.56	4,746.84	4,407.14	339.71	13.973		
10,400.00	7,135.39	7,113.39	7,113.39	103.97	246.61	-90.05	-4,043.79	-215.56	4,789.42	4,448.03	341.39	14.029		
10,500.00	7,135.59	7,113.59	7,113.59	106.67	246.61	-90.06	-4,043.79	-215.56	4,833.69	4,490.68	343.01	14.092		
10,600.00	7,135.78	7,113.78	7,113.78	109.38	246.62	-90.06	-4,043.79	-215.56	4,879.61	4,535.03	344.58	14.161		
10,700.00	7,135.98	7,113.98	7,113.98	112.09	246.63	-90.06	-4,043.79	-215.56	4,927.13	4,581.03	346.09	14.236		
10,800.00	7,136.17	7,114.17	7,114.17	114.81	246.63	-90.06	-4,043.79	-215.56	4,976.20	4,628.65	347.56	14.318		
10,900.00	7,136.36	7,114.36	7,114.36	117.54	246.64	-90.07	-4,043.79	-215.56	5,026.79	4,677.82	348.97	14.405		
11,000.00	7,136.56	7,114.56	7,114.56	120.28	246.65	-90.07	-4,043.79	-215.56	5,078.84	4,728.51	350.33	14.497		
11,100.00	7,136.75	7,114.75	7,114.75	123.02	246.65	-90.07	-4,043.79	-215.56	5,132.31	4,780.68	351.64	14.596		
11,200.00	7,136.95	7,114.95	7,114.95	125.76	246.66	-90.07	-4,043.79	-215.56	5,187.16	4,834.27	352.89	14.699		
11,300.00	7,137.14	7,115.14	7,115.14	128.52	246.67	-90.08	-4,043.79	-215.56	5,243.34	4,889.24	354.11	14.807		
11,400.00	7,137.33	7,115.33	7,115.33	131.27	246.67	-90.08	-4,043.79	-215.56	5,300.82	4,945.55	355.27	14.921		
11,500.00	7,137.53	7,115.53	7,115.53	134.03	246.68	-90.08	-4,043.79	-215.56	5,359.54	5,003.16	356.39	15.039		
11,600.00	7,137.72	7,115.72	7,115.72	136.80	246.69	-90.08	-4,043.79	-215.56	5,419.47	5,062.02	357.46	15.161		
11,700.00	7,137.92	7,115.92	7,115.92	139.57	246.69	-90.09	-4,043.79	-215.56	5,480.58	5,122.09	358.49	15.288		
11,800.00	7,138.11	7,116.11	7,116.11	142.34	246.70	-90.09	-4,043.79	-215.56	5,542.81	5,183.33	359.48	15.419		
11,900.00	7,138.30	7,116.30	7,116.30	145.12	246.71	-90.09	-4,043.79	-215.56	5,606.13	5,245.71	360.42	15.554		
12,000.00	7,138.50	7,116.50	7,116.50	147.90	246.71	-90.09	-4,043.79	-215.56	5,670.52	5,309.18	361.33	15.693		
12,100.00	7,138.69	7,116.69	7,116.69	150.68	246.72	-90.10	-4,043.79	-215.56	5,735.92	5,373.72	362.20	15.836		
12,200.00	7,138.88	7,116.88	7,116.88	153.47	246.73	-90.10	-4,043.79	-215.56	5,802.31	5,439.27	363.04	15.983		
12,300.00	7,139.08	7,117.08	7,117.08	156.26	246.73	-90.10	-4,043.79	-215.56	5,869.65	5,505.81	363.84	16.133		
12,400.00	7,139.27	7,117.27	7,117.27	159.05	246.74	-90.11	-4,043.79	-215.56	5,937.91	5,573.31	364.60	16.286		
12,500.00	7,139.47	7,117.47	7,117.47	161.85	246.75	-90.11	-4,043.79	-215.56	6,007.06	5,641.73	365.33	16.443		
12,600.00	7,139.66	7,117.66	7,117.66	164.64	246.75	-90.11	-4,043.79	-215.56	6,077.07	5,711.04	366.04	16.602		
12,700.00	7,139.85	7,117.85	7,117.85	167.44	246.76	-90.11	-4,043.79	-215.56	6,147.91	5,781.20	366.71	16.765		
12,800.00	7,140.05	7,118.05	7,118.05	170.24	246.77	-90.12	-4,043.79	-215.56	6,219.55	5,852.20	367.35	16.931		
12,900.00	7,140.24	7,118.24	7,118.24	173.05	246.77	-90.12	-4,043.79	-215.56	6,291.97	5,924.00	367.97	17.099		
13,000.00	7,140.44	7,118.44	7,118.44	175.85	246.78	-90.12	-4,043.79	-215.56	6,365.13	5,996.57	368.56	17.270		
13,100.00	7,140.63	7,118.63	7,118.63	178.66	246.79	-90.12	-4,043.79	-215.56	6,439.01	6,069.88	369.13	17.444		
13,200.00	7,140.82	7,118.82	7,118.82	181.47	246.79	-90.13	-4,043.79	-215.56	6,513.59	6,143.92	369.67	17.620		
13,300.00	7,141.02	7,119.02	7,119.02	184.28	246.80	-90.13	-4,043.79	-215.56	6,588.85	6,218.66	370.19	17.799		
13,400.00	7,141.21	7,119.21	7,119.21	187.10	246.81	-90.13	-4,043.79	-215.56	6,664.75	6,294.06	370.69	17.979		
13,500.00	7,141.41	7,119.41	7,119.41	189.91	246.82	-90.13	-4,043.79	-215.56	6,741.29	6,370.12	371.16	18.163		
13,600.00	7,141.60	7,119.60	7,119.60	192.73	246.82	-90.14	-4,043.79	-215.56	6,818.43	6,446.81	371.62	18.348		
13,700.00	7,141.79	7,119.79	7,119.79	195.54	246.83	-90.14	-4,043.79	-215.56	6,896.15	6,524.10	372.06	18.535		
13,800.00	7,141.99	7,119.99	7,119.99	198.36	246.84	-90.14	-4,043.79	-215.56	6,974.45	6,601.97	372.48	18.725		
13,900.00	7,142.18	7,120.18	7,120.18	201.18	246.84	-90.14	-4,043.79	-215.56	7,053.29	6,680.42	372.88	18.916		
14,000.00	7,142.37	7,120.37	7,120.37	204.01	246.85	-90.15	-4,043.79	-215.56	7,132.67	6,759.41	373.26	19.109		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - MONTERA I #14-8 - 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					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
14,100.00	7,142.57	7,120.57	7,120.57	206.83	246.86	-90.15	-4,043.79	-215.56	7,212.56	6,838.93	373.63	19.304					
14,200.00	7,142.76	7,120.76	7,120.76	209.65	246.86	-90.15	-4,043.79	-215.56	7,292.94	6,918.96	373.99	19.501					
14,300.00	7,142.96	7,120.96	7,120.96	212.48	246.87	-90.15	-4,043.79	-215.56	7,373.81	6,999.48	374.33	19.699					
14,400.00	7,143.15	7,121.15	7,121.15	215.30	246.88	-90.16	-4,043.79	-215.56	7,455.13	7,080.48	374.65	19.899					
14,500.00	7,143.34	7,121.34	7,121.34	218.13	246.88	-90.16	-4,043.79	-215.56	7,536.91	7,161.95	374.96	20.100					
14,600.00	7,143.54	7,121.54	7,121.54	220.96	246.89	-90.16	-4,043.79	-215.56	7,619.12	7,243.86	375.26	20.303					
14,700.00	7,143.73	7,121.73	7,121.73	223.79	246.90	-90.16	-4,043.79	-215.56	7,701.76	7,326.21	375.55	20.508					
14,800.00	7,143.93	7,121.93	7,121.93	226.62	246.90	-90.17	-4,043.79	-215.56	7,784.80	7,408.97	375.83	20.714					
14,838.32	7,144.00	7,122.00	7,122.00	227.70	246.91	-90.17	-4,043.79	-215.56	7,816.72	7,440.79	375.93	20.793					
14,900.00	7,144.12	7,122.12	7,122.12	229.45	246.91	-90.16	-4,043.79	-215.56	7,867.86	7,491.77	376.09	20.920					
15,000.00	7,144.32	7,122.32	7,122.32	232.26	246.92	-90.15	-4,043.79	-215.56	7,949.50	7,573.15	376.35	21.122					
15,027.81	7,144.37	7,122.37	7,122.37	233.04	246.92	-90.15	-4,043.79	-215.56	7,971.92	7,595.50	376.42	21.178					
15,100.00	7,144.51	7,122.51	7,122.51	235.07	246.92	-90.15	-4,043.79	-215.56	8,030.07	7,653.46	376.60	21.322					
15,200.00	7,144.71	7,122.71	7,122.71	237.87	246.93	-90.16	-4,043.79	-215.56	8,110.99	7,734.14	376.85	21.523					
15,300.00	7,144.91	7,122.91	7,122.91	240.68	246.94	-90.16	-4,043.79	-215.56	8,192.32	7,815.25	377.08	21.726					
15,400.00	7,145.10	7,123.10	7,123.10	243.48	246.94	-90.16	-4,043.79	-215.56	8,274.07	7,896.77	377.30	21.930					
15,500.00	7,145.30	7,123.30	7,123.30	246.29	246.95	-90.16	-4,043.79	-215.56	8,356.22	7,978.71	377.51	22.135					
15,600.00	7,145.50	7,123.50	7,123.50	249.10	246.96	-90.17	-4,043.79	-215.56	8,438.75	8,061.03	377.72	22.341					
15,700.00	7,145.69	7,123.69	7,123.69	251.91	246.96	-90.17	-4,043.79	-215.56	8,521.65	8,143.74	377.91	22.549					
15,800.00	7,145.89	7,123.89	7,123.89	254.71	246.97	-90.17	-4,043.79	-215.56	8,604.92	8,226.82	378.10	22.758					
15,900.00	7,146.09	7,124.09	7,124.09	257.52	246.98	-90.17	-4,043.79	-215.56	8,688.54	8,310.26	378.28	22.968					
16,000.00	7,146.28	7,124.28	7,124.28	260.34	246.99	-90.18	-4,043.79	-215.56	8,772.51	8,394.05	378.45	23.180					
16,100.00	7,146.48	7,124.48	7,124.48	263.15	246.99	-90.18	-4,043.79	-215.56	8,856.81	8,478.19	378.62	23.392					
16,200.00	7,146.68	7,124.68	7,124.68	265.96	247.00	-90.18	-4,043.79	-215.56	8,941.43	8,562.65	378.78	23.606					
16,300.00	7,146.87	7,124.87	7,124.87	268.77	247.01	-90.18	-4,043.79	-215.56	9,026.36	8,647.43	378.93	23.821					
16,400.00	7,147.07	7,125.07	7,125.07	271.58	247.01	-90.18	-4,043.79	-215.56	9,111.60	8,732.52	379.08	24.036					
16,500.00	7,147.27	7,125.27	7,125.27	274.40	247.02	-90.19	-4,043.79	-215.56	9,197.14	8,817.92	379.22	24.253					
16,600.00	7,147.46	7,125.46	7,125.46	277.21	247.03	-90.19	-4,043.79	-215.56	9,282.97	8,903.61	379.35	24.470					
16,700.00	7,147.66	7,125.66	7,125.66	280.03	247.03	-90.19	-4,043.79	-215.56	9,369.08	8,989.59	379.48	24.689					
16,800.00	7,147.86	7,125.86	7,125.86	282.84	247.04	-90.19	-4,043.79	-215.56	9,455.46	9,075.85	379.61	24.908					
16,900.00	7,148.05	7,126.05	7,126.05	285.66	247.05	-90.20	-4,043.79	-215.56	9,542.11	9,162.38	379.73	25.129					
17,000.00	7,148.25	7,126.25	7,126.25	288.48	247.05	-90.20	-4,043.79	-215.56	9,629.01	9,249.17	379.84	25.350					
17,100.00	7,148.45	7,126.45	7,126.45	291.29	247.06	-90.20	-4,043.79	-215.56	9,716.17	9,336.22	379.96	25.572					
17,200.00	7,148.64	7,126.64	7,126.64	294.11	247.07	-90.20	-4,043.79	-215.56	9,803.58	9,423.51	380.06	25.795					
17,300.00	7,148.84	7,126.84	7,126.84	296.93	247.07	-90.21	-4,043.79	-215.56	9,891.22	9,511.05	380.17	26.018					
17,400.00	7,149.04	7,127.04	7,127.04	299.75	247.08	-90.21	-4,043.79	-215.56	9,979.09	9,598.83	380.26	26.242					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-72.02	1,424.09	-4,387.01	4,612.36					
100.00	100.00	140.00	140.00	3.28	4.54	-72.02	1,424.09	-4,387.01	4,612.36	4,604.53	7.83	589.310		
200.00	200.00	240.00	240.00	3.34	7.40	-72.02	1,424.09	-4,387.01	4,612.36	4,601.62	10.74	429.592		
300.00	299.98	339.98	339.98	3.44	10.64	-152.01	1,424.09	-4,387.01	4,613.90	4,599.82	14.08	327.588		
400.00	399.84	439.84	439.84	3.60	14.00	-152.00	1,424.09	-4,387.01	4,618.52	4,600.93	17.60	262.427		
500.00	499.45	539.45	539.45	3.81	17.40	-151.98	1,424.09	-4,387.01	4,626.23	4,605.02	21.20	218.185		
600.00	598.70	638.70	638.70	4.06	20.81	-151.95	1,424.09	-4,387.01	4,637.00	4,612.14	24.86	186.517		
700.00	697.47	737.47	737.47	4.34	24.22	-151.90	1,424.09	-4,387.01	4,650.84	4,622.29	28.55	162.889		
785.50	781.43	821.43	821.43	4.61	27.13	-151.86	1,424.09	-4,387.01	4,665.10	4,633.37	31.72	147.051		
800.00	795.63	835.63	835.63	4.66	27.62	-151.88	1,424.09	-4,387.01	4,667.70	4,635.44	32.27	144.664		
900.00	893.55	933.55	933.55	5.02	31.02	-151.99	1,424.09	-4,387.01	4,685.70	4,649.71	35.99	130.193		
1,000.00	991.47	1,031.47	1,031.47	5.40	34.42	-152.11	1,424.09	-4,387.01	4,703.71	4,663.97	39.74	118.361		
1,100.00	1,089.39	1,129.39	1,129.39	5.80	37.82	-152.22	1,424.09	-4,387.01	4,721.74	4,678.22	43.51	108.520		
1,200.00	1,187.31	1,227.31	1,227.31	6.21	41.23	-152.34	1,424.09	-4,387.01	4,739.78	4,692.49	47.30	100.213		
1,300.00	1,285.22	1,325.22	1,325.22	6.64	44.64	-152.45	1,424.09	-4,387.01	4,757.85	4,706.75	51.10	93.114		
1,400.00	1,383.14	1,423.14	1,423.14	7.08	48.05	-152.56	1,424.09	-4,387.01	4,775.93	4,721.02	54.91	86.981		
1,500.00	1,481.06	1,521.06	1,521.06	7.52	51.46	-152.67	1,424.09	-4,387.01	4,794.03	4,735.31	58.73	81.632		
1,600.00	1,578.98	1,618.98	1,618.98	7.98	54.87	-152.79	1,424.09	-4,387.01	4,812.15	4,749.60	62.56	76.927		
1,700.00	1,676.90	1,716.90	1,716.90	8.44	58.28	-152.90	1,424.09	-4,387.01	4,830.29	4,763.90	66.39	72.757		
1,800.00	1,774.82	1,814.82	1,814.82	8.90	61.70	-153.00	1,424.09	-4,387.01	4,848.44	4,778.21	70.23	69.038		
1,900.00	1,872.74	1,912.74	1,912.74	9.37	65.11	-153.11	1,424.09	-4,387.01	4,866.61	4,792.54	74.07	65.701		
2,000.00	1,970.66	2,010.66	2,010.66	9.84	68.53	-153.22	1,424.09	-4,387.01	4,884.80	4,806.88	77.92	62.690		
2,100.00	2,068.57	2,108.57	2,108.57	10.32	71.94	-153.33	1,424.09	-4,387.01	4,903.00	4,821.23	81.77	59.960		
2,200.00	2,166.49	2,206.49	2,206.49	10.80	75.35	-153.43	1,424.09	-4,387.01	4,921.22	4,835.59	85.63	57.474		
2,300.00	2,264.41	2,304.41	2,304.41	11.28	78.77	-153.54	1,424.09	-4,387.01	4,939.46	4,849.97	89.48	55.200		
2,400.00	2,362.33	2,402.33	2,402.33	11.76	82.19	-153.64	1,424.09	-4,387.01	4,957.71	4,864.37	93.34	53.114		
2,500.00	2,460.25	2,500.25	2,500.25	12.24	85.60	-153.74	1,424.09	-4,387.01	4,975.98	4,878.77	97.20	51.192		
2,600.00	2,558.17	2,601.83	2,598.17	12.73	89.14	-153.85	1,424.09	-4,387.01	4,994.26	4,893.07	101.19	49.354		
2,700.00	2,656.09	2,703.91	2,696.09	13.22	92.71	-153.95	1,424.09	-4,387.01	5,012.56	4,907.36	105.20	47.647		
2,800.00	2,754.01	2,805.99	2,794.01	13.71	96.27	-154.05	1,424.09	-4,387.01	5,030.87	4,921.66	109.21	46.064		
2,900.00	2,851.92	2,908.08	2,891.92	14.20	99.83	-154.15	1,424.09	-4,387.01	5,049.20	4,935.98	113.23	44.594		
3,000.00	2,949.84	2,989.84	2,989.84	14.69	102.68	-154.25	1,424.09	-4,387.01	5,067.55	4,951.01	116.53	43.487		
3,100.00	3,047.76	3,087.76	3,087.76	15.18	106.10	-154.35	1,424.09	-4,387.01	5,085.90	4,965.50	120.40	42.242		
3,200.00	3,145.68	3,185.68	3,185.68	15.67	109.52	-154.45	1,424.09	-4,387.01	5,104.28	4,980.01	124.27	41.074		
3,300.00	3,243.60	3,283.60	3,283.60	16.17	112.93	-154.54	1,424.09	-4,387.01	5,122.67	4,994.53	128.14	39.977		
3,400.00	3,341.52	3,381.52	3,381.52	16.66	116.35	-154.64	1,424.09	-4,387.01	5,141.07	5,009.06	132.01	38.944		
3,500.00	3,439.44	3,479.44	3,479.44	17.16	119.77	-154.74	1,424.09	-4,387.01	5,159.49	5,023.60	135.88	37.970		
3,600.00	3,537.36	3,577.36	3,577.36	17.65	123.18	-154.83	1,424.09	-4,387.01	5,177.92	5,038.16	139.76	37.049		
3,700.00	3,635.27	3,675.27	3,675.27	18.15	126.60	-154.93	1,424.09	-4,387.01	5,196.36	5,052.73	143.63	36.179		
3,800.00	3,733.19	3,773.19	3,773.19	18.65	130.02	-155.02	1,424.09	-4,387.01	5,214.82	5,067.32	147.51	35.353		
3,900.00	3,831.11	3,871.11	3,871.11	19.14	133.44	-155.11	1,424.09	-4,387.01	5,233.29	5,081.91	151.38	34.571		
4,000.00	3,929.03	3,969.03	3,969.03	19.64	136.85	-155.21	1,424.09	-4,387.01	5,251.78	5,096.52	155.25	33.827		
4,100.00	4,026.95	4,066.95	4,066.95	20.14	140.27	-155.30	1,424.09	-4,387.01	5,270.28	5,111.15	159.13	33.119		
4,200.00	4,124.87	4,164.87	4,164.87	20.64	143.69	-155.39	1,424.09	-4,387.01	5,288.79	5,125.78	163.01	32.445		
4,300.00	4,222.79	4,262.79	4,262.79	21.14	147.11	-155.48	1,424.09	-4,387.01	5,307.31	5,140.43	166.88	31.803		
4,400.00	4,320.71	4,360.71	4,360.71	21.64	150.52	-155.57	1,424.09	-4,387.01	5,325.85	5,155.09	170.76	31.189		
4,500.00	4,418.62	4,458.62	4,458.62	22.14	153.94	-155.66	1,424.09	-4,387.01	5,344.40	5,169.77	174.63	30.603		
4,600.00	4,516.54	4,556.54	4,556.54	22.64	157.36	-155.75	1,424.09	-4,387.01	5,362.97	5,184.46	178.51	30.043		
4,700.00	4,614.46	4,654.46	4,654.46	23.14	160.78	-155.84	1,424.09	-4,387.01	5,381.54	5,199.15	182.39	29.506		
4,800.00	4,712.38	4,752.38	4,752.38	23.64	164.19	-155.93	1,424.09	-4,387.01	5,400.13	5,213.87	186.27	28.991		
4,900.00	4,810.30	4,850.30	4,850.30	24.14	167.61	-156.01	1,424.09	-4,387.01	5,418.73	5,228.59	190.14	28.498		
5,000.00	4,908.22	4,948.22	4,948.22	24.64	171.03	-156.10	1,424.09	-4,387.01	5,437.34	5,243.32	194.02	28.024		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,046.14	5,046.14	25.14	174.45	-156.19	1,424.09	-4,387.01	5,455.97	5,258.07	197.90	27.569		
5,200.00	5,104.06	5,144.06	5,144.06	25.64	177.86	-156.27	1,424.09	-4,387.01	5,474.61	5,272.83	201.78	27.132		
5,300.00	5,201.97	5,241.97	5,241.97	26.14	181.28	-156.36	1,424.09	-4,387.01	5,493.25	5,287.60	205.66	26.711		
5,400.00	5,299.89	5,339.89	5,339.89	26.64	184.70	-156.44	1,424.09	-4,387.01	5,511.91	5,302.38	209.54	26.305		
5,500.00	5,397.81	5,437.81	5,437.81	27.15	188.12	-156.53	1,424.09	-4,387.01	5,530.59	5,317.17	213.41	25.915		
5,600.00	5,495.73	5,535.73	5,535.73	27.65	191.54	-156.61	1,424.09	-4,387.01	5,549.27	5,331.98	217.29	25.538		
5,700.00	5,593.65	5,633.65	5,633.65	28.15	194.95	-156.69	1,424.09	-4,387.01	5,567.96	5,346.79	221.17	25.175		
5,800.00	5,691.57	5,731.57	5,731.57	28.65	198.37	-156.77	1,424.09	-4,387.01	5,586.67	5,361.62	225.05	24.824		
5,900.00	5,789.49	5,829.49	5,829.49	29.15	201.79	-156.86	1,424.09	-4,387.01	5,605.39	5,376.46	228.93	24.485		
6,000.00	5,887.41	5,927.41	5,927.41	29.66	205.21	-156.94	1,424.09	-4,387.01	5,624.11	5,391.30	232.81	24.158		
6,100.00	5,985.32	6,025.32	6,025.32	30.16	208.62	-157.02	1,424.09	-4,387.01	5,642.85	5,406.16	236.69	23.841		
6,200.00	6,083.24	6,123.24	6,123.24	30.66	212.04	-157.10	1,424.09	-4,387.01	5,661.60	5,421.03	240.57	23.534		
6,300.00	6,181.16	6,221.16	6,221.16	31.16	215.46	-157.18	1,424.09	-4,387.01	5,680.36	5,435.91	244.45	23.237		
6,400.00	6,279.08	6,319.08	6,319.08	31.67	218.88	-157.26	1,424.09	-4,387.01	5,699.13	5,450.80	248.33	22.950		
6,490.03	6,367.24	6,407.24	6,407.24	32.12	221.96	-157.33	1,424.09	-4,387.01	5,716.04	5,464.22	251.82	22.699		
6,500.00	6,377.01	6,417.01	6,417.01	32.17	222.30	-156.44	1,424.09	-4,387.01	5,717.84	5,465.63	252.21	22.671		
6,550.00	6,426.43	6,466.43	6,466.43	32.40	224.02	-148.17	1,424.09	-4,387.01	5,724.57	5,470.41	254.15	22.524		
6,600.00	6,476.27	6,516.27	6,516.27	32.61	225.76	-113.59	1,424.09	-4,387.01	5,727.47	5,471.37	256.10	22.364		
6,650.00	6,526.21	6,566.21	6,566.21	32.80	227.51	-27.35	1,424.09	-4,387.01	5,726.52	5,468.49	258.04	22.193		
6,700.00	6,575.96	6,615.96	6,615.96	32.98	229.24	-6.24	1,424.09	-4,387.01	5,721.72	5,461.78	259.94	22.012		
6,750.00	6,625.19	6,665.19	6,665.19	33.16	230.96	0.19	1,424.09	-4,387.01	5,713.11	5,451.30	261.81	21.822		
6,800.00	6,673.62	6,713.62	6,713.62	33.35	232.65	3.35	1,424.09	-4,387.01	5,700.73	5,437.10	263.64	21.623		
6,850.00	6,720.94	6,760.94	6,760.94	33.55	234.30	5.34	1,424.09	-4,387.01	5,684.67	5,419.26	265.41	21.418		
6,900.00	6,766.86	6,806.86	6,806.86	33.76	235.91	6.83	1,424.09	-4,387.01	5,665.02	5,397.90	267.12	21.208		
6,950.00	6,811.10	6,851.10	6,851.10	33.98	237.45	8.11	1,424.09	-4,387.01	5,641.90	5,373.15	268.75	20.993		
7,000.00	6,853.38	6,893.38	6,893.38	34.23	239.39	9.33	1,424.09	-4,387.01	5,615.46	5,344.69	270.77	20.739		
7,050.00	6,893.45	6,933.45	6,933.45	34.50	240.32	10.58	1,424.09	-4,387.01	5,585.86	5,314.09	271.77	20.554		
7,100.00	6,931.05	6,971.05	6,971.05	34.79	241.64	11.94	1,424.09	-4,387.01	5,553.28	5,280.15	273.13	20.332		
7,150.00	6,965.96	7,005.96	7,005.96	35.12	242.86	13.51	1,424.09	-4,387.01	5,517.94	5,243.55	274.39	20.110		
7,200.00	6,997.96	7,037.96	7,037.96	35.47	243.97	15.37	1,424.09	-4,387.01	5,480.04	5,204.51	275.53	19.889		
7,250.00	7,026.85	7,066.85	7,066.85	35.86	244.98	17.66	1,424.09	-4,387.01	5,439.83	5,163.26	276.57	19.669		
7,300.00	7,052.45	7,107.55	7,092.45	36.29	246.40	20.58	1,424.09	-4,387.01	5,397.55	5,119.54	278.01	19.415		
7,350.00	7,074.61	7,114.61	7,114.61	36.76	246.65	24.42	1,424.09	-4,387.01	5,353.47	5,075.20	278.27	19.238		
7,400.00	7,093.19	7,133.19	7,133.19	37.27	247.30	29.64	1,424.09	-4,387.01	5,307.86	5,028.93	278.94	19.029		
7,450.00	7,108.07	7,148.07	7,148.07	37.81	247.82	37.00	1,424.09	-4,387.01	5,261.01	4,981.54	279.47	18.825		
7,500.00	7,119.17	7,159.17	7,159.17	38.39	248.20	47.63	1,424.09	-4,387.01	5,213.20	4,933.32	279.88	18.626		
7,550.00	7,126.41	7,166.41	7,166.41	38.99	248.46	62.85	1,424.09	-4,387.01	5,164.74	4,884.58	280.17	18.435		
7,600.00	7,129.75	7,169.75	7,169.75	39.62	248.57	82.56	1,424.09	-4,387.01	5,115.93	4,835.61	280.32	18.250		
7,616.41	7,130.00	7,170.00	7,170.00	39.83	248.58	89.48	1,424.09	-4,387.01	5,099.88	4,819.54	280.34	18.192		
7,700.00	7,130.16	7,170.16	7,170.16	40.97	248.59	89.49	1,424.09	-4,387.01	5,018.17	4,737.73	280.43	17.894		
7,800.00	7,130.35	7,170.35	7,170.35	42.46	248.59	89.50	1,424.09	-4,387.01	4,920.50	4,639.94	280.55	17.538		
7,900.00	7,130.55	7,170.55	7,170.55	44.09	248.60	89.51	1,424.09	-4,387.01	4,822.92	4,542.22	280.70	17.182		
8,000.00	7,130.74	7,170.74	7,170.74	45.84	248.61	89.52	1,424.09	-4,387.01	4,725.45	4,444.58	280.87	16.824		
8,100.00	7,130.94	7,170.94	7,170.94	47.70	248.61	89.53	1,424.09	-4,387.01	4,628.08	4,347.02	281.07	16.466		
8,200.00	7,131.13	7,171.13	7,171.13	49.65	248.62	89.54	1,424.09	-4,387.01	4,530.83	4,249.54	281.29	16.107		
8,300.00	7,131.32	7,171.32	7,171.32	51.70	248.63	89.55	1,424.09	-4,387.01	4,433.70	4,152.16	281.55	15.748		
8,400.00	7,131.52	7,171.52	7,171.52	53.81	248.63	89.56	1,424.09	-4,387.01	4,336.70	4,054.87	281.84	15.387		
8,500.00	7,131.71	7,171.71	7,171.71	55.99	248.64	89.57	1,424.09	-4,387.01	4,239.84	3,957.68	282.16	15.026		
8,600.00	7,131.90	7,171.90	7,171.90	58.24	248.65	89.58	1,424.09	-4,387.01	4,143.14	3,860.60	282.53	14.664		
8,700.00	7,132.10	7,172.10	7,172.10	60.53	248.65	89.59	1,424.09	-4,387.01	4,046.59	3,763.64	282.95	14.302		
8,800.00	7,132.29	7,172.29	7,172.29	62.87	248.66	89.60	1,424.09	-4,387.01	3,950.21	3,666.80	283.41	13.938		
8,900.00	7,132.49	7,172.49	7,172.49	65.25	248.67	89.61	1,424.09	-4,387.01	3,854.01	3,570.09	283.92	13.574		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,172.68	7,172.68	67.68	248.67	89.62	1,424.09	-4,387.01	3,758.02	3,473.52	284.50	13.209		
9,100.00	7,132.87	7,172.87	7,172.87	70.13	248.68	89.63	1,424.09	-4,387.01	3,662.24	3,377.11	285.13	12.844		
9,200.00	7,133.07	7,173.07	7,173.07	72.61	248.69	89.65	1,424.09	-4,387.01	3,566.69	3,280.86	285.84	12.478		
9,300.00	7,133.26	7,173.26	7,173.26	75.13	248.70	89.66	1,424.09	-4,387.01	3,471.39	3,184.78	286.62	12.112		
9,400.00	7,133.46	7,173.46	7,173.46	77.66	248.70	89.67	1,424.09	-4,387.01	3,376.37	3,088.89	287.48	11.745		
9,500.00	7,133.65	7,173.65	7,173.65	80.22	248.71	89.68	1,424.09	-4,387.01	3,281.64	2,993.21	288.42	11.378		
9,600.00	7,133.84	7,173.84	7,173.84	82.80	248.72	89.69	1,424.09	-4,387.01	3,187.23	2,897.76	289.47	11.011		
9,700.00	7,134.04	7,174.04	7,174.04	85.40	248.72	89.70	1,424.09	-4,387.01	3,093.17	2,802.56	290.62	10.643		
9,800.00	7,134.23	7,174.23	7,174.23	88.01	248.73	89.71	1,424.09	-4,387.01	2,999.50	2,707.62	291.88	10.276		
9,900.00	7,134.43	7,174.43	7,174.43	90.64	248.74	89.72	1,424.09	-4,387.01	2,906.25	2,612.98	293.27	9.910		
10,000.00	7,134.62	7,174.62	7,174.62	93.28	248.74	89.73	1,424.09	-4,387.01	2,813.46	2,518.67	294.79	9.544		
10,100.00	7,134.81	7,174.81	7,174.81	95.94	248.75	89.74	1,424.09	-4,387.01	2,721.19	2,424.73	296.46	9.179		
10,200.00	7,135.01	7,175.01	7,175.01	98.61	248.76	89.75	1,424.09	-4,387.01	2,629.48	2,331.19	298.29	8.815		
10,300.00	7,135.20	7,175.20	7,175.20	101.28	248.76	89.76	1,424.09	-4,387.01	2,538.39	2,238.10	300.29	8.453		
10,400.00	7,135.39	7,175.39	7,175.39	103.97	248.77	89.77	1,424.09	-4,387.01	2,448.00	2,145.52	302.48	8.093		
10,500.00	7,135.59	7,175.59	7,175.59	106.67	248.78	89.78	1,424.09	-4,387.01	2,358.39	2,053.51	304.89	7.735		
10,600.00	7,135.78	7,175.78	7,175.78	109.38	248.78	89.79	1,424.09	-4,387.01	2,269.65	1,962.13	307.51	7.381		
10,700.00	7,135.98	7,175.98	7,175.98	112.09	248.79	89.80	1,424.09	-4,387.01	2,181.88	1,871.49	310.38	7.030		
10,800.00	7,136.17	7,176.17	7,176.17	114.81	248.80	89.81	1,424.09	-4,387.01	2,095.20	1,781.68	313.53	6.683		
10,900.00	7,136.36	7,176.36	7,176.36	117.54	248.80	89.82	1,424.09	-4,387.01	2,009.76	1,692.81	316.96	6.341		
11,000.00	7,136.56	7,176.56	7,176.56	120.28	248.81	89.83	1,424.09	-4,387.01	1,925.73	1,605.03	320.70	6.005		
11,100.00	7,136.75	7,176.75	7,176.75	123.02	248.82	89.84	1,424.09	-4,387.01	1,843.29	1,518.50	324.79	5.675		
11,200.00	7,136.95	7,176.95	7,176.95	125.76	248.82	89.85	1,424.09	-4,387.01	1,762.67	1,433.43	329.24	5.354		
11,300.00	7,137.14	7,177.14	7,177.14	128.52	248.83	89.86	1,424.09	-4,387.01	1,684.13	1,350.06	334.07	5.041		
11,400.00	7,137.33	7,177.33	7,177.33	131.27	248.84	89.87	1,424.09	-4,387.01	1,607.97	1,268.66	339.31	4.739		
11,500.00	7,137.53	7,177.53	7,177.53	134.03	248.84	89.89	1,424.09	-4,387.01	1,534.56	1,189.59	344.97	4.448		
11,600.00	7,137.72	7,177.72	7,177.72	136.80	248.85	89.90	1,424.09	-4,387.01	1,464.29	1,113.25	351.04	4.171		
11,700.00	7,137.92	7,177.92	7,177.92	139.57	248.86	89.91	1,424.09	-4,387.01	1,397.65	1,040.14	357.51	3.909		
11,800.00	7,138.11	7,178.11	7,178.11	142.34	248.86	89.92	1,424.09	-4,387.01	1,335.18	970.85	364.33	3.665		
11,900.00	7,138.30	7,178.30	7,178.30	145.12	248.87	89.93	1,424.09	-4,387.01	1,277.50	906.07	371.43	3.439		
12,000.00	7,138.50	7,178.50	7,178.50	147.90	248.88	89.94	1,424.09	-4,387.01	1,225.27	846.58	378.69	3.236		
12,100.00	7,138.69	7,178.69	7,178.69	150.68	248.88	89.95	1,424.09	-4,387.01	1,179.22	793.28	385.94	3.055		
12,200.00	7,138.88	7,178.88	7,178.88	153.47	248.89	89.96	1,424.09	-4,387.01	1,140.11	747.14	392.97	2.901		
12,300.00	7,139.08	7,179.08	7,179.08	156.26	248.90	89.97	1,424.09	-4,387.01	1,108.66	709.15	399.52	2.775		
12,400.00	7,139.27	7,179.27	7,179.27	159.05	248.91	89.98	1,424.09	-4,387.01	1,085.55	680.25	405.30	2.678		
12,500.00	7,139.47	7,179.47	7,179.47	161.85	248.91	89.99	1,424.09	-4,387.01	1,071.31	661.26	410.05	2.613		
12,600.00	7,139.66	7,179.66	7,179.66	164.64	248.92	90.00	1,424.09	-4,387.01	1,066.30	652.74	413.56	2.578		
12,603.58	7,139.67	7,179.67	7,179.67	164.74	248.92	90.00	1,424.09	-4,387.01	1,066.29	652.63	413.66	2.578 CC, ES		
12,700.00	7,139.85	7,179.85	7,179.85	167.44	248.93	90.01	1,424.09	-4,387.01	1,070.64	654.95	415.69	2.576 SF		
12,800.00	7,140.05	7,180.05	7,180.05	170.24	248.93	90.02	1,424.09	-4,387.01	1,084.23	667.81	416.42	2.604		
12,900.00	7,140.24	7,180.24	7,180.24	173.05	248.94	90.03	1,424.09	-4,387.01	1,106.73	690.90	415.83	2.661		
13,000.00	7,140.44	7,180.44	7,180.44	175.85	248.95	90.04	1,424.09	-4,387.01	1,137.60	723.51	414.09	2.747		
13,100.00	7,140.63	7,180.63	7,180.63	178.66	248.95	90.05	1,424.09	-4,387.01	1,176.18	764.77	411.41	2.859		
13,200.00	7,140.82	7,180.82	7,180.82	181.47	248.96	90.06	1,424.09	-4,387.01	1,221.76	813.73	408.03	2.994		
13,300.00	7,141.02	7,181.02	7,181.02	184.28	248.97	90.07	1,424.09	-4,387.01	1,273.57	869.39	404.17	3.151		
13,400.00	7,141.21	7,181.21	7,181.21	187.10	248.97	90.08	1,424.09	-4,387.01	1,330.89	930.86	400.02	3.327		
13,500.00	7,141.41	7,181.41	7,181.41	189.91	248.98	90.09	1,424.09	-4,387.01	1,393.03	997.29	395.74	3.520		
13,600.00	7,141.60	7,181.60	7,181.60	192.73	248.99	90.10	1,424.09	-4,387.01	1,459.39	1,067.95	391.45	3.728		
13,700.00	7,141.79	7,181.79	7,181.79	195.54	248.99	90.11	1,424.09	-4,387.01	1,529.41	1,142.20	387.22	3.950		
13,800.00	7,141.99	7,181.99	7,181.99	198.36	249.00	90.12	1,424.09	-4,387.01	1,602.62	1,219.50	383.12	4.183		
13,900.00	7,142.18	7,182.18	7,182.18	201.18	249.01	90.14	1,424.09	-4,387.01	1,678.59	1,299.40	379.19	4.427		
14,000.00	7,142.37	7,182.37	7,182.37	204.01	249.01	90.15	1,424.09	-4,387.01	1,756.97	1,381.52	375.45	4.680		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,182.57	7,182.57	206.83	249.02	90.16	1,424.09	-4,387.01	1,837.45	1,465.54	371.91	4.941		
14,200.00	7,142.76	7,182.76	7,182.76	209.65	249.03	90.17	1,424.09	-4,387.01	1,919.77	1,551.19	368.58	5.209		
14,300.00	7,142.96	7,182.96	7,182.96	212.48	249.03	90.18	1,424.09	-4,387.01	2,003.70	1,638.26	365.44	5.483		
14,400.00	7,143.15	7,183.15	7,183.15	215.30	249.04	90.19	1,424.09	-4,387.01	2,089.04	1,726.54	362.50	5.763		
14,500.00	7,143.34	7,183.34	7,183.34	218.13	249.05	90.20	1,424.09	-4,387.01	2,175.63	1,815.90	359.74	6.048		
14,600.00	7,143.54	7,183.54	7,183.54	220.96	249.05	90.21	1,424.09	-4,387.01	2,263.33	1,906.18	357.15	6.337		
14,700.00	7,143.73	7,183.73	7,183.73	223.79	249.06	90.22	1,424.09	-4,387.01	2,352.01	1,997.28	354.72	6.631		
14,800.00	7,143.93	7,183.93	7,183.93	226.62	249.07	90.23	1,424.09	-4,387.01	2,441.56	2,089.11	352.45	6.927		
14,838.32	7,144.00	7,184.00	7,184.00	227.70	249.07	90.23	1,424.09	-4,387.01	2,476.09	2,124.47	351.62	7.042		
14,900.00	7,144.12	7,184.12	7,184.12	229.45	249.07	90.25	1,424.09	-4,387.01	2,532.17	2,181.82	350.35	7.227		
15,000.00	7,144.32	7,184.32	7,184.32	232.26	249.08	90.30	1,424.09	-4,387.01	2,624.71	2,276.19	348.53	7.531		
15,027.81	7,144.37	7,184.37	7,184.37	233.04	249.08	90.31	1,424.09	-4,387.01	2,650.77	2,302.70	348.07	7.616		
15,100.00	7,144.51	7,184.51	7,184.51	235.07	249.09	90.32	1,424.09	-4,387.01	2,718.68	2,371.76	346.93	7.837		
15,200.00	7,144.71	7,184.71	7,184.71	237.87	249.09	90.33	1,424.09	-4,387.01	2,813.12	2,467.68	345.43	8.144		
15,300.00	7,144.91	7,184.91	7,184.91	240.68	249.10	90.34	1,424.09	-4,387.01	2,907.92	2,563.89	344.03	8.453		
15,400.00	7,145.10	7,185.10	7,185.10	243.48	249.11	90.35	1,424.09	-4,387.01	3,003.06	2,660.35	342.71	8.763		
15,500.00	7,145.30	7,185.30	7,185.30	246.29	249.12	90.37	1,424.09	-4,387.01	3,098.51	2,757.03	341.48	9.074		
15,600.00	7,145.50	7,185.50	7,185.50	249.10	249.12	90.38	1,424.09	-4,387.01	3,194.23	2,853.92	340.31	9.386		
15,700.00	7,145.69	7,185.69	7,185.69	251.91	249.13	90.39	1,424.09	-4,387.01	3,290.21	2,950.99	339.22	9.699		
15,800.00	7,145.89	7,185.89	7,185.89	254.71	249.14	90.40	1,424.09	-4,387.01	3,386.42	3,048.24	338.18	10.014		
15,900.00	7,146.09	7,186.09	7,186.09	257.52	249.14	90.42	1,424.09	-4,387.01	3,482.85	3,145.64	337.21	10.328		
16,000.00	7,146.28	7,186.28	7,186.28	260.34	249.15	90.43	1,424.09	-4,387.01	3,579.47	3,243.18	336.29	10.644		
16,100.00	7,146.48	7,186.48	7,186.48	263.15	249.16	90.44	1,424.09	-4,387.01	3,676.27	3,340.85	335.42	10.960		
16,200.00	7,146.68	7,186.68	7,186.68	265.96	249.16	90.45	1,424.09	-4,387.01	3,773.24	3,438.65	334.59	11.277		
16,300.00	7,146.87	7,186.87	7,186.87	268.77	249.17	90.47	1,424.09	-4,387.01	3,870.36	3,536.55	333.81	11.594		
16,400.00	7,147.07	7,187.07	7,187.07	271.58	249.18	90.48	1,424.09	-4,387.01	3,967.63	3,634.56	333.07	11.912		
16,500.00	7,147.27	7,187.27	7,187.27	274.40	249.18	90.49	1,424.09	-4,387.01	4,065.03	3,732.66	332.37	12.230		
16,600.00	7,147.46	7,187.46	7,187.46	277.21	249.19	90.50	1,424.09	-4,387.01	4,162.55	3,830.85	331.70	12.549		
16,700.00	7,147.66	7,187.66	7,187.66	280.03	249.20	90.52	1,424.09	-4,387.01	4,260.19	3,929.12	331.07	12.868		
16,800.00	7,147.86	7,187.86	7,187.86	282.84	249.20	90.53	1,424.09	-4,387.01	4,357.93	4,027.47	330.46	13.187		
16,900.00	7,148.05	7,188.05	7,188.05	285.66	249.21	90.54	1,424.09	-4,387.01	4,455.78	4,125.88	329.89	13.507		
17,000.00	7,148.25	7,188.25	7,188.25	288.48	249.22	90.55	1,424.09	-4,387.01	4,553.71	4,224.37	329.35	13.827		
17,100.00	7,148.45	7,188.45	7,188.45	291.29	249.23	90.57	1,424.09	-4,387.01	4,651.74	4,322.91	328.83	14.147		
17,200.00	7,148.64	7,188.64	7,188.64	294.11	249.23	90.58	1,424.09	-4,387.01	4,749.85	4,421.52	328.33	14.467		
17,300.00	7,148.84	7,188.84	7,188.84	296.93	249.24	90.59	1,424.09	-4,387.01	4,848.03	4,520.18	327.86	14.787		
17,400.00	7,149.04	7,189.04	7,189.04	299.75	249.25	90.60	1,424.09	-4,387.01	4,946.29	4,618.88	327.41	15.107		
17,500.00	7,149.23	7,189.23	7,189.23	302.57	249.25	90.61	1,424.09	-4,387.01	5,044.62	4,717.64	326.98	15.428		
17,600.00	7,149.43	7,189.43	7,189.43	305.39	249.26	90.63	1,424.09	-4,387.01	5,143.01	4,816.44	326.57	15.749		
17,700.00	7,149.63	7,189.63	7,189.63	308.21	249.27	90.64	1,424.09	-4,387.01	5,241.46	4,915.29	326.17	16.070		
17,800.00	7,149.82	7,189.82	7,189.82	311.03	249.27	90.65	1,424.09	-4,387.01	5,339.97	5,014.17	325.80	16.390		
17,900.00	7,150.02	7,209.98	7,190.02	313.85	249.98	90.66	1,424.09	-4,387.01	5,438.53	5,112.40	326.14	16.676		
18,000.00	7,150.22	7,209.78	7,190.22	316.67	249.97	90.68	1,424.09	-4,387.01	5,537.15	5,211.37	325.78	16.997		
18,100.00	7,150.41	7,209.59	7,190.41	319.49	249.96	90.69	1,424.09	-4,387.01	5,635.81	5,310.37	325.44	17.318		
18,200.00	7,150.61	7,209.39	7,190.61	322.32	249.96	90.70	1,424.09	-4,387.01	5,734.52	5,409.41	325.11	17.639		
18,300.00	7,150.81	7,209.19	7,190.81	325.14	249.95	90.71	1,424.09	-4,387.01	5,833.28	5,508.48	324.80	17.960		
18,400.00	7,151.00	7,209.00	7,191.00	327.96	249.94	90.73	1,424.09	-4,387.01	5,932.07	5,607.57	324.50	18.281		
18,500.00	7,151.20	7,208.80	7,191.20	330.78	249.94	90.74	1,424.09	-4,387.01	6,030.91	5,706.70	324.21	18.602		
18,600.00	7,151.40	7,208.60	7,191.40	333.61	249.93	90.75	1,424.09	-4,387.01	6,129.78	5,805.85	323.94	18.923		
18,700.00	7,151.59	7,208.41	7,191.59	336.43	249.92	90.76	1,424.09	-4,387.01	6,228.69	5,905.02	323.67	19.244		
18,800.00	7,151.79	7,208.21	7,191.79	339.26	249.92	90.78	1,424.09	-4,387.01	6,327.64	6,004.22	323.42	19.565		
18,906.26	7,152.00	7,208.00	7,192.00	342.26	249.91	90.79	1,424.09	-4,387.01	6,432.81	6,109.65	323.16	19.906		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	164.66	-3,721.73	1,020.77	3,859.18					
100.00	100.00	78.22	78.22	3.28	3.28	164.67	-3,721.98	1,020.46	3,859.37	3,852.80	6.57	587.486		
200.00	200.00	167.90	167.89	3.34	3.32	164.68	-3,722.71	1,019.71	3,859.93	3,853.27	6.66	579.747		
300.00	299.98	291.64	291.63	3.44	3.44	84.72	-3,723.40	1,019.47	3,860.28	3,853.40	6.89	560.652		
400.00	399.84	384.59	384.58	3.60	3.58	84.79	-3,723.46	1,019.65	3,859.92	3,852.74	7.18	537.576		
500.00	499.45	491.50	491.49	3.81	3.79	84.94	-3,723.56	1,020.00	3,859.32	3,851.73	7.59	508.447		
600.00	598.70	584.56	584.54	4.06	4.01	85.12	-3,723.55	1,020.44	3,858.37	3,850.32	8.05	479.189		
700.00	697.47	686.85	686.83	4.34	4.28	85.37	-3,723.67	1,020.76	3,857.25	3,848.64	8.61	448.116		
785.50	781.43	778.44	778.42	4.61	4.54	85.65	-3,723.61	1,021.09	3,855.99	3,846.84	9.15	421.594		
800.00	795.63	794.01	794.00	4.66	4.59	85.69	-3,723.57	1,021.16	3,855.75	3,846.50	9.24	417.202		
900.00	893.55	900.47	900.45	5.02	4.92	86.01	-3,723.22	1,021.57	3,854.02	3,844.09	9.93	388.248		
1,000.00	991.47	984.61	984.60	5.40	5.19	86.26	-3,723.05	1,021.74	3,852.46	3,841.88	10.58	364.061		
1,100.00	1,089.39	1,078.07	1,078.05	5.80	5.51	86.54	-3,723.12	1,021.86	3,851.26	3,839.96	11.30	340.800		
1,200.00	1,187.31	1,180.07	1,180.05	6.21	5.87	86.85	-3,723.22	1,021.89	3,850.17	3,838.10	12.07	319.005		
1,300.00	1,285.22	1,270.40	1,270.39	6.64	6.19	87.12	-3,723.31	1,021.89	3,849.18	3,836.36	12.82	300.300		
1,400.00	1,383.14	1,380.23	1,380.21	7.08	6.59	87.45	-3,723.46	1,022.02	3,848.37	3,834.72	13.66	281.769		
1,500.00	1,481.06	1,474.39	1,474.37	7.52	6.94	87.73	-3,723.38	1,022.00	3,847.41	3,832.96	14.45	266.217		
1,600.00	1,578.98	1,574.67	1,574.66	7.98	7.31	88.04	-3,723.46	1,021.76	3,846.68	3,831.40	15.28	251.764		
1,700.00	1,676.90	1,664.43	1,664.42	8.44	7.65	88.31	-3,723.51	1,021.59	3,846.04	3,829.96	16.08	239.207		
1,800.00	1,774.82	1,755.25	1,755.23	8.90	8.01	88.59	-3,723.83	1,021.33	3,845.77	3,828.88	16.89	227.652		
1,872.60	1,845.91	1,823.64	1,823.62	9.24	8.27	88.80	-3,724.16	1,021.01	3,845.72	3,828.22	17.50	219.747 CC		
1,900.00	1,872.74	1,849.03	1,849.01	9.37	8.37	88.88	-3,724.30	1,020.90	3,845.73	3,828.00	17.73	216.913		
2,000.00	1,970.66	1,953.87	1,953.85	9.84	8.79	89.21	-3,724.87	1,020.42	3,845.85	3,827.23	18.62	206.581		
2,087.98	2,056.80	2,043.90	2,043.87	10.26	9.15	89.49	-3,725.13	1,019.77	3,845.77	3,826.38	19.39	198.304		
2,100.00	2,068.57	2,054.57	2,054.54	10.32	9.19	89.52	-3,725.17	1,019.68	3,845.77	3,826.28	19.49	197.288		
2,200.00	2,166.49	2,156.03	2,156.00	10.80	9.60	89.85	-3,725.60	1,018.71	3,845.91	3,825.53	20.38	188.724		
2,300.00	2,264.41	2,256.62	2,256.58	11.28	10.00	90.17	-3,725.79	1,017.67	3,845.93	3,824.66	21.27	180.853		
2,400.00	2,362.33	2,351.72	2,351.67	11.76	10.39	90.47	-3,726.07	1,016.62	3,846.15	3,824.01	22.14	173.757		
2,500.00	2,460.25	2,450.09	2,450.05	12.24	10.79	90.78	-3,726.33	1,015.80	3,846.49	3,823.47	23.02	167.073		
2,600.00	2,558.17	2,552.75	2,552.70	12.73	11.21	91.10	-3,726.54	1,014.91	3,846.91	3,822.98	23.93	160.746		
2,700.00	2,656.09	2,655.01	2,654.95	13.22	11.63	91.43	-3,726.59	1,013.93	3,847.27	3,822.43	24.84	154.871		
2,800.00	2,754.01	2,756.35	2,756.29	13.71	12.05	91.74	-3,726.55	1,013.17	3,847.68	3,821.93	25.75	149.421		
2,900.00	2,851.92	2,851.19	2,851.13	14.20	12.45	92.04	-3,726.45	1,012.38	3,848.14	3,821.51	26.64	144.476		
3,000.00	2,949.84	2,939.40	2,939.34	14.69	12.82	92.32	-3,726.55	1,011.55	3,848.92	3,821.42	27.50	139.985 ES		
3,100.00	3,047.76	3,031.68	3,031.61	15.18	13.20	92.61	-3,726.85	1,010.87	3,850.04	3,821.67	28.38	135.684		
3,200.00	3,145.68	3,129.45	3,129.37	15.67	13.61	92.91	-3,727.14	1,010.38	3,851.27	3,822.00	29.28	131.535		
3,300.00	3,243.60	3,220.83	3,220.76	16.17	14.00	93.19	-3,727.49	1,010.37	3,852.76	3,822.60	30.16	127.760		
3,400.00	3,341.52	3,320.51	3,320.43	16.66	14.42	93.49	-3,727.92	1,010.33	3,854.40	3,823.33	31.07	124.056		
3,500.00	3,439.44	3,419.69	3,419.62	17.16	14.83	93.79	-3,728.25	1,010.32	3,856.06	3,824.07	31.98	120.565		
3,600.00	3,537.36	3,507.41	3,507.34	17.65	15.20	94.05	-3,728.70	1,010.39	3,857.99	3,825.14	32.85	117.451		
3,700.00	3,635.27	3,615.91	3,615.83	18.15	15.66	94.38	-3,729.25	1,010.12	3,860.01	3,826.20	33.81	114.185		
3,800.00	3,733.19	3,698.88	3,698.80	18.65	16.02	94.64	-3,729.78	1,009.78	3,862.24	3,827.59	34.65	111.452		
3,900.00	3,831.11	3,812.67	3,812.59	19.14	16.50	94.98	-3,730.41	1,009.56	3,864.52	3,828.89	35.64	108.439		
4,000.00	3,929.03	3,914.42	3,914.34	19.64	16.93	95.29	-3,730.71	1,009.46	3,866.67	3,830.10	36.57	105.734		
4,100.00	4,026.95	4,013.44	4,013.36	20.14	17.35	95.59	-3,730.92	1,009.46	3,868.85	3,831.36	37.49	103.200		
4,200.00	4,124.87	4,114.61	4,114.52	20.64	17.78	95.89	-3,731.07	1,009.54	3,871.07	3,832.66	38.41	100.772		
4,300.00	4,222.79	4,212.32	4,212.23	21.14	18.19	96.17	-3,731.15	1,009.88	3,873.36	3,834.04	39.32	98.506		
4,400.00	4,320.71	4,304.25	4,304.17	21.64	18.57	96.44	-3,731.31	1,010.23	3,875.84	3,835.64	40.20	96.406		
4,500.00	4,418.62	4,407.41	4,407.32	22.14	19.00	96.74	-3,731.49	1,010.78	3,878.43	3,837.29	41.14	94.285		
4,600.00	4,516.54	4,497.01	4,496.92	22.64	19.38	97.00	-3,731.69	1,011.31	3,881.17	3,839.16	42.01	92.390		
4,700.00	4,614.46	4,591.97	4,591.88	23.14	19.78	97.28	-3,732.05	1,011.70	3,884.14	3,841.23	42.91	90.519		
4,800.00	4,712.38	4,690.91	4,690.82	23.64	20.20	97.57	-3,732.45	1,012.08	3,887.25	3,843.42	43.83	88.691		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,900.00	4,810.30	4,769.83	4,769.74	24.14	20.54	97.80	-3,732.92	1,012.42	3,890.65	3,845.99	44.66	87.115		
5,000.00	4,908.22	4,857.85	4,857.76	24.64	20.91	98.06	-3,733.86	1,012.65	3,894.60	3,849.06	45.53	85.530		
5,100.00	5,006.14	4,954.55	4,954.45	25.14	21.33	98.34	-3,734.99	1,012.60	3,898.74	3,852.29	46.45	83.934		
5,200.00	5,104.06	5,060.10	5,059.99	25.64	21.78	98.66	-3,736.17	1,012.30	3,902.94	3,855.54	47.41	82.329		
5,300.00	5,201.97	5,160.25	5,160.13	26.14	22.22	98.96	-3,737.08	1,011.81	3,907.03	3,858.69	48.34	80.827		
5,400.00	5,299.89	5,263.73	5,263.61	26.64	22.66	99.27	-3,738.01	1,011.54	3,911.23	3,861.94	49.29	79.358		
5,500.00	5,397.81	5,376.03	5,375.91	27.15	23.15	99.60	-3,738.68	1,011.50	3,915.23	3,864.96	50.27	77.877		
5,600.00	5,495.73	5,493.94	5,493.82	27.65	23.65	99.95	-3,738.87	1,011.36	3,918.91	3,867.63	51.28	76.419		
5,700.00	5,593.65	5,574.20	5,574.08	28.15	23.99	100.18	-3,738.94	1,011.12	3,922.63	3,870.51	52.12	75.262		
5,800.00	5,691.57	5,687.82	5,687.70	28.65	24.47	100.52	-3,739.25	1,011.00	3,926.65	3,873.54	53.10	73.943		
5,900.00	5,789.49	5,783.56	5,783.44	29.15	24.87	100.79	-3,739.18	1,011.16	3,930.41	3,876.41	54.00	72.784		
6,000.00	5,887.41	5,872.86	5,872.73	29.66	25.24	101.05	-3,739.28	1,011.47	3,934.44	3,879.56	54.88	71.696		
6,100.00	5,985.32	5,982.41	5,982.29	30.16	25.70	101.36	-3,739.45	1,011.66	3,938.62	3,882.78	55.84	70.533		
6,200.00	6,083.24	6,069.94	6,069.81	30.66	26.07	101.62	-3,739.44	1,011.73	3,942.74	3,886.04	56.71	69.529		
6,300.00	6,181.16	6,175.95	6,175.82	31.16	26.52	101.92	-3,739.65	1,011.95	3,947.16	3,889.51	57.65	68.462		
6,400.00	6,279.08	6,282.10	6,281.97	31.67	26.96	102.22	-3,739.50	1,012.18	3,951.34	3,892.74	58.60	67.429		
6,490.03	6,367.24	6,381.59	6,381.46	32.12	27.37	102.50	-3,739.16	1,012.48	3,955.01	3,895.54	59.47	66.509		
6,500.00	6,377.01	6,392.80	6,392.67	32.17	27.42	103.50	-3,739.10	1,012.48	3,955.40	3,895.84	59.56	66.408		
6,550.00	6,426.43	6,437.61	6,437.48	32.40	27.60	112.18	-3,738.87	1,012.51	3,957.33	3,897.35	59.98	65.978		
6,600.00	6,476.27	6,481.06	6,480.93	32.61	27.79	147.06	-3,738.72	1,012.59	3,959.26	3,898.89	60.37	65.588		
6,650.00	6,526.21	6,529.69	6,529.56	32.80	27.99	-126.55	-3,738.62	1,012.71	3,961.14	3,900.38	60.76	65.198		
6,700.00	6,575.96	6,582.04	6,581.91	32.98	28.20	-105.42	-3,738.48	1,012.76	3,962.87	3,901.72	61.15	64.803		
6,750.00	6,625.19	6,645.63	6,645.50	33.16	28.47	-99.15	-3,738.20	1,012.74	3,964.41	3,902.81	61.60	64.354		
6,800.00	6,673.62	6,714.32	6,714.19	33.35	28.75	-96.37	-3,737.57	1,012.75	3,965.61	3,903.53	62.08	63.876		
6,850.00	6,720.94	6,761.83	6,761.69	33.55	28.95	-94.82	-3,737.03	1,012.77	3,966.64	3,904.16	62.48	63.485		
6,900.00	6,766.86	6,811.26	6,811.12	33.76	29.16	-93.95	-3,736.43	1,012.83	3,967.60	3,904.70	62.90	63.077		
6,950.00	6,811.10	6,852.02	6,851.88	33.98	29.33	-93.39	-3,735.95	1,012.98	3,968.59	3,905.29	63.30	62.694		
7,000.00	6,853.38	6,908.42	6,908.14	34.23	29.56	-93.06	-3,735.50	1,013.23	3,969.67	3,905.89	63.78	62.236		
7,050.00	6,893.45	6,931.42	6,931.27	34.50	29.66	-92.89	-3,735.06	1,013.57	3,970.91	3,906.76	64.15	61.899		
7,100.00	6,931.05	6,968.76	6,968.61	34.79	29.81	-92.80	-3,734.65	1,013.89	3,972.35	3,907.74	64.60	61.487		
7,150.00	6,965.96	7,003.39	7,003.23	35.12	29.96	-92.76	-3,734.28	1,014.18	3,974.05	3,908.97	65.07	61.069		
7,200.00	6,997.96	7,035.08	7,034.92	35.47	30.09	-92.74	-3,733.93	1,014.45	3,976.08	3,910.52	65.56	60.644		
7,250.00	7,026.85	7,063.64	7,063.48	35.86	30.21	-92.70	-3,733.62	1,014.69	3,978.50	3,912.42	66.08	60.211		
7,300.00	7,052.45	7,088.90	7,088.74	36.29	30.32	-92.63	-3,733.34	1,014.90	3,981.35	3,914.74	66.61	59.772		
7,350.00	7,074.61	7,110.70	7,110.53	36.76	30.41	-92.51	-3,733.10	1,015.09	3,984.70	3,917.53	67.17	59.327		
7,400.00	7,093.19	7,128.90	7,128.73	37.27	30.48	-92.33	-3,732.91	1,015.24	3,988.56	3,920.82	67.74	58.879		
7,450.00	7,108.07	7,143.40	7,143.23	37.81	30.55	-92.07	-3,732.75	1,015.36	3,992.97	3,924.64	68.34	58.431		
7,500.00	7,119.17	7,154.10	7,153.93	38.39	30.59	-91.73	-3,732.63	1,015.45	3,997.94	3,929.00	68.95	57.987		
7,550.00	7,126.41	7,160.94	7,160.77	38.99	30.62	-91.30	-3,732.56	1,015.51	4,003.47	3,933.91	69.56	57.553		
7,600.00	7,129.75	7,163.87	7,163.70	39.62	30.63	-90.78	-3,732.52	1,015.54	4,009.54	3,939.36	70.18	57.134		
7,616.41	7,130.00	7,163.98	7,163.81	39.83	30.63	-90.59	-3,732.52	1,015.54	4,011.64	3,941.26	70.38	57.000		
7,700.00	7,130.16	7,163.45	7,163.28	40.97	30.63	-90.58	-3,732.53	1,015.53	4,023.34	3,951.89	71.45	56.308		
7,800.00	7,130.35	7,162.83	7,162.65	42.46	30.63	-90.57	-3,732.54	1,015.53	4,039.58	3,966.73	72.85	55.452		
7,900.00	7,130.55	7,162.20	7,162.02	44.09	30.62	-90.56	-3,732.54	1,015.52	4,058.21	3,983.86	74.35	54.584		
8,000.00	7,130.74	7,161.57	7,161.40	45.84	30.62	-90.55	-3,732.55	1,015.52	4,079.21	4,003.28	75.93	53.724		
8,100.00	7,130.94	7,160.94	7,160.77	47.70	30.62	-90.54	-3,732.56	1,015.51	4,102.54	4,024.96	77.58	52.883		
8,200.00	7,131.13	7,160.31	7,160.14	49.65	30.62	-90.54	-3,732.56	1,015.51	4,128.16	4,048.88	79.27	52.074		
8,300.00	7,131.32	7,159.68	7,159.51	51.70	30.61	-90.53	-3,732.57	1,015.50	4,156.03	4,075.02	81.01	51.304		
8,400.00	7,131.52	7,159.05	7,158.88	53.81	30.61	-90.52	-3,732.58	1,015.50	4,186.10	4,103.34	82.76	50.579		
8,500.00	7,131.71	7,158.42	7,158.25	55.99	30.61	-90.51	-3,732.58	1,015.49	4,218.33	4,133.80	84.53	49.903		
8,600.00	7,131.90	7,157.79	7,157.62	58.24	30.61	-90.50	-3,732.59	1,015.49	4,252.67	4,166.37	86.30	49.278		
8,700.00	7,132.10	7,157.17	7,156.99	60.53	30.60	-90.49	-3,732.60	1,015.48	4,289.06	4,201.00	88.06	48.705		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.29	7,156.54	7,156.37	62.87	30.60	-90.48	-3,732.60	1,015.47	4,327.46	4,237.65	89.81	48.184		
8,900.00	7,132.49	7,155.91	7,155.74	65.25	30.60	-90.47	-3,732.61	1,015.47	4,367.81	4,276.27	91.54	47.715		
9,000.00	7,132.68	7,155.28	7,155.11	67.68	30.60	-90.46	-3,732.62	1,015.46	4,410.06	4,316.82	93.25	47.295		
9,100.00	7,132.87	7,154.65	7,154.48	70.13	30.59	-90.45	-3,732.62	1,015.46	4,454.16	4,359.24	94.92	46.925		
9,200.00	7,133.07	7,154.02	7,153.85	72.61	30.59	-90.44	-3,732.63	1,015.45	4,500.04	4,403.48	96.57	46.601		
9,300.00	7,133.26	7,153.39	7,153.22	75.13	30.59	-90.44	-3,732.64	1,015.45	4,547.66	4,449.49	98.17	46.322		
9,400.00	7,133.46	7,152.76	7,152.59	77.66	30.58	-90.43	-3,732.65	1,015.44	4,596.97	4,497.22	99.75	46.087		
9,500.00	7,133.65	7,152.13	7,151.96	80.22	30.58	-90.42	-3,732.65	1,015.44	4,647.90	4,546.62	101.28	45.892		
9,600.00	7,133.84	7,151.51	7,151.33	82.80	30.58	-90.41	-3,732.66	1,015.43	4,700.41	4,597.64	102.77	45.737		
9,700.00	7,134.04	7,150.88	7,150.71	85.40	30.58	-90.40	-3,732.67	1,015.43	4,754.44	4,650.22	104.22	45.619		
9,800.00	7,134.23	7,150.25	7,150.08	88.01	30.57	-90.39	-3,732.67	1,015.42	4,809.95	4,704.31	105.63	45.535		
9,900.00	7,134.43	7,149.62	7,149.45	90.64	30.57	-90.38	-3,732.68	1,015.42	4,866.87	4,759.87	107.00	45.485		
10,000.00	7,134.62	7,148.99	7,148.82	93.28	30.57	-90.37	-3,732.69	1,015.41	4,925.17	4,816.84	108.33	45.467 SF		
10,100.00	7,134.81	7,148.36	7,148.19	95.94	30.57	-90.36	-3,732.69	1,015.41	4,984.79	4,875.18	109.61	45.478		
10,200.00	7,135.01	7,147.73	7,147.56	98.61	30.56	-90.35	-3,732.70	1,015.40	5,045.69	4,934.84	110.85	45.517		
10,300.00	7,135.20	7,147.10	7,146.93	101.28	30.56	-90.34	-3,732.71	1,015.39	5,107.82	4,995.77	112.06	45.583		
10,400.00	7,135.39	7,146.47	7,146.30	103.97	30.56	-90.34	-3,732.71	1,015.39	5,171.14	5,057.93	113.22	45.674		
10,500.00	7,135.59	7,145.85	7,145.68	106.67	30.56	-90.33	-3,732.72	1,015.38	5,235.61	5,121.27	114.34	45.789		
10,600.00	7,135.78	7,145.22	7,145.05	109.38	30.55	-90.32	-3,732.73	1,015.38	5,301.17	5,185.75	115.43	45.926		
10,700.00	7,135.98	7,144.59	7,144.42	112.09	30.55	-90.31	-3,732.73	1,015.37	5,367.80	5,251.33	116.48	46.085		
10,800.00	7,136.17	7,143.96	7,143.79	114.81	30.55	-90.30	-3,732.74	1,015.37	5,435.45	5,317.97	117.49	46.264		
10,900.00	7,136.36	7,143.33	7,143.16	117.54	30.55	-90.29	-3,732.75	1,015.36	5,504.09	5,385.63	118.46	46.462		
11,000.00	7,136.56	7,142.70	7,142.53	120.28	30.54	-90.28	-3,732.75	1,015.36	5,573.68	5,454.27	119.41	46.678		
11,100.00	7,136.75	7,142.07	7,141.90	123.02	30.54	-90.27	-3,732.76	1,015.35	5,644.17	5,523.86	120.32	46.911		
11,200.00	7,136.95	7,141.44	7,141.27	125.76	30.54	-90.26	-3,732.77	1,015.35	5,715.55	5,594.36	121.19	47.161		
11,300.00	7,137.14	7,140.81	7,140.64	128.52	30.53	-90.25	-3,732.78	1,015.34	5,787.78	5,665.74	122.04	47.426		
11,400.00	7,137.33	7,140.19	7,140.02	131.27	30.53	-90.25	-3,732.78	1,015.34	5,860.82	5,737.97	122.86	47.705		
11,500.00	7,137.53	7,139.56	7,139.39	134.03	30.53	-90.24	-3,732.79	1,015.33	5,934.65	5,811.01	123.64	47.998		
11,600.00	7,137.72	7,138.93	7,138.76	136.80	30.53	-90.23	-3,732.80	1,015.33	6,009.24	5,884.84	124.40	48.305		
11,700.00	7,137.92	7,138.30	7,138.13	139.57	30.52	-90.22	-3,732.80	1,015.32	6,084.55	5,959.42	125.14	48.624		
11,800.00	7,138.11	7,137.67	7,137.50	142.34	30.52	-90.21	-3,732.81	1,015.32	6,160.57	6,034.73	125.84	48.955		
11,900.00	7,138.30	7,137.04	7,136.87	145.12	30.52	-90.20	-3,732.82	1,015.31	6,237.27	6,110.74	126.52	49.297		
12,000.00	7,138.50	7,136.41	7,136.24	147.90	30.52	-90.19	-3,732.82	1,015.30	6,314.61	6,187.43	127.18	49.650		
12,100.00	7,138.69	7,135.78	7,135.61	150.68	30.51	-90.18	-3,732.83	1,015.30	6,392.59	6,264.77	127.82	50.013		
12,200.00	7,138.88	7,135.15	7,134.98	153.47	30.51	-90.17	-3,732.84	1,015.29	6,471.17	6,342.74	128.43	50.386		
12,300.00	7,139.08	7,134.53	7,134.36	156.26	30.51	-90.16	-3,732.84	1,015.29	6,550.33	6,421.31	129.02	50.769		
12,400.00	7,139.27	7,133.90	7,133.73	159.05	30.51	-90.15	-3,732.85	1,015.28	6,630.06	6,500.47	129.59	51.160		
12,500.00	7,139.47	7,133.27	7,133.10	161.85	30.50	-90.15	-3,732.86	1,015.28	6,710.33	6,580.19	130.15	51.560		
12,600.00	7,139.66	7,132.64	7,132.47	164.64	30.50	-90.14	-3,732.86	1,015.27	6,791.13	6,660.45	130.68	51.968		
12,700.00	7,139.85	7,132.01	7,131.84	167.44	30.50	-90.13	-3,732.87	1,015.27	6,872.43	6,741.23	131.20	52.383		
12,800.00	7,140.05	7,131.38	7,131.21	170.24	30.50	-90.12	-3,732.88	1,015.26	6,954.21	6,822.52	131.69	52.806		
12,900.00	7,140.24	7,130.75	7,130.58	173.05	30.49	-90.11	-3,732.89	1,015.26	7,036.47	6,904.30	132.17	53.236		
13,000.00	7,140.44	7,130.12	7,129.95	175.85	30.49	-90.10	-3,732.89	1,015.25	7,119.18	6,986.54	132.64	53.673		
13,100.00	7,140.63	7,129.49	7,129.33	178.66	30.49	-90.09	-3,732.90	1,015.25	7,202.33	7,069.24	133.09	54.116		
13,200.00	7,140.82	7,128.87	7,128.70	181.47	30.48	-90.08	-3,732.91	1,015.24	7,285.91	7,152.38	133.53	54.565		
13,300.00	7,141.02	7,128.24	7,128.07	184.28	30.48	-90.07	-3,732.91	1,015.24	7,369.89	7,235.94	133.95	55.021		
13,400.00	7,141.21	7,127.61	7,127.44	187.10	30.48	-90.06	-3,732.92	1,015.23	7,454.27	7,319.91	134.36	55.482		
13,500.00	7,141.41	7,126.98	7,126.81	189.91	30.48	-90.06	-3,732.93	1,015.22	7,539.03	7,404.28	134.75	55.948		
13,600.00	7,141.60	7,126.35	7,126.18	192.73	30.47	-90.05	-3,732.93	1,015.22	7,624.16	7,489.02	135.13	56.419		
13,700.00	7,141.79	7,125.72	7,125.55	195.54	30.47	-90.04	-3,732.94	1,015.21	7,709.64	7,574.14	135.50	56.896		
13,800.00	7,141.99	7,125.09	7,124.92	198.36	30.47	-90.03	-3,732.95	1,015.21	7,795.47	7,659.61	135.86	57.377		
13,900.00	7,142.18	7,124.46	7,124.29	201.18	30.47	-90.02	-3,732.95	1,015.20	7,881.64	7,745.43	136.21	57.863		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,123.83	7,123.67	204.01	30.46	-90.01	-3,732.96	1,015.20	7,968.13	7,831.58	136.55	58.353		
14,100.00	7,142.57	7,123.21	7,123.04	206.83	30.46	-90.00	-3,732.97	1,015.19	8,054.93	7,918.05	136.88	58.847		
14,200.00	7,142.76	7,122.58	7,122.41	209.65	30.46	-89.99	-3,732.97	1,015.19	8,142.03	8,004.84	137.20	59.346		
14,300.00	7,142.96	7,121.95	7,121.78	212.48	30.46	-89.98	-3,732.98	1,015.18	8,229.43	8,091.93	137.50	59.848		
14,400.00	7,143.15	7,121.32	7,121.15	215.30	30.45	-89.97	-3,732.99	1,015.18	8,317.11	8,179.31	137.80	60.354		
14,500.00	7,143.34	7,120.69	7,120.52	218.13	30.45	-89.96	-3,733.00	1,015.17	8,405.07	8,266.97	138.10	60.864		
14,600.00	7,143.54	7,120.06	7,119.89	220.96	30.45	-89.96	-3,733.00	1,015.17	8,493.29	8,354.91	138.38	61.377		
14,700.00	7,143.73	7,119.43	7,119.26	223.79	30.45	-89.95	-3,733.01	1,015.16	8,581.77	8,443.12	138.65	61.893		
14,800.00	7,143.93	7,118.80	7,118.64	226.62	30.44	-89.94	-3,733.02	1,015.16	8,670.51	8,531.58	138.92	62.413		
14,838.32	7,144.00	7,118.56	7,118.39	227.70	30.44	-89.93	-3,733.02	1,015.15	8,704.57	8,565.55	139.02	62.613		
14,900.00	7,144.12	7,118.17	7,118.00	229.45	30.44	-89.93	-3,733.02	1,015.15	8,759.17	8,619.99	139.18	62.933		
15,000.00	7,144.32	7,117.50	7,117.33	232.26	30.44	-89.92	-3,733.03	1,015.14	8,846.56	8,707.12	139.45	63.441		
15,027.81	7,144.37	7,117.30	7,117.14	233.04	30.44	-89.92	-3,733.03	1,015.14	8,870.61	8,731.09	139.52	63.580		
15,100.00	7,144.51	7,116.80	7,116.63	235.07	30.43	-89.91	-3,733.04	1,015.14	8,932.96	8,793.25	139.71	63.940		
15,200.00	7,144.71	7,116.10	7,115.94	237.87	30.43	-89.91	-3,733.05	1,015.13	9,019.56	8,879.60	139.96	64.442		
15,300.00	7,144.91	7,115.41	7,115.24	240.68	30.43	-89.90	-3,733.05	1,015.13	9,106.45	8,966.23	140.21	64.947		
15,400.00	7,145.10	7,114.71	7,114.54	243.48	30.43	-89.89	-3,733.06	1,015.12	9,193.59	9,053.14	140.45	65.456		
15,500.00	7,145.30	7,114.01	7,113.84	246.29	30.42	-89.88	-3,733.07	1,015.12	9,281.00	9,140.31	140.69	65.968		
15,600.00	7,145.50	7,113.31	7,113.15	249.10	30.42	-89.87	-3,733.08	1,015.11	9,368.66	9,227.74	140.92	66.482		
15,700.00	7,145.69	7,112.62	7,112.45	251.91	30.42	-89.86	-3,733.08	1,015.10	9,456.56	9,315.42	141.14	67.000		
15,800.00	7,145.89	7,111.92	7,111.75	254.71	30.41	-89.85	-3,733.09	1,015.10	9,544.71	9,403.35	141.36	67.521		
15,900.00	7,146.09	7,111.22	7,111.05	257.52	30.41	-89.84	-3,733.10	1,015.09	9,633.08	9,491.51	141.57	68.044		
16,000.00	7,146.28	7,110.52	7,110.36	260.34	30.41	-89.83	-3,733.11	1,015.09	9,721.68	9,579.90	141.78	68.570		
16,100.00	7,146.48	7,109.83	7,109.66	263.15	30.40	-89.83	-3,733.11	1,015.08	9,810.50	9,668.52	141.98	69.098		
16,200.00	7,146.68	7,109.13	7,108.96	265.96	30.40	-89.82	-3,733.12	1,015.07	9,899.53	9,757.35	142.18	69.629		
16,300.00	7,146.87	7,108.43	7,108.26	268.77	30.40	-89.81	-3,733.13	1,015.07	9,988.77	9,846.40	142.37	70.162		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	141.01	-1,216.03	984.51	1,565.02					
100.00	100.00	69.48	69.48	3.28	3.28	141.01	-1,215.98	984.39	1,564.50	1,557.93	6.57	238.195		
200.00	200.00	174.07	174.06	3.34	3.32	141.02	-1,215.68	983.87	1,563.96	1,557.30	6.66	234.821		
300.00	299.98	271.91	271.91	3.44	3.42	61.10	-1,215.33	983.35	1,562.50	1,555.64	6.86	227.818		
400.00	399.84	374.35	374.35	3.60	3.56	61.34	-1,215.01	982.87	1,559.45	1,552.29	7.16	217.734		
500.00	499.45	476.80	476.79	3.81	3.76	61.72	-1,214.50	982.22	1,554.50	1,546.94	7.56	205.661		
600.00	598.70	575.96	575.95	4.06	3.98	62.24	-1,213.92	981.56	1,547.86	1,539.83	8.03	192.813		
700.00	697.47	676.01	675.99	4.34	4.24	62.91	-1,213.37	980.82	1,539.69	1,531.13	8.57	179.690		
785.50	781.43	761.68	761.66	4.61	4.48	63.61	-1,212.91	980.02	1,531.48	1,522.40	9.08	168.652		
800.00	795.63	776.17	776.14	4.66	4.52	63.71	-1,212.83	979.87	1,530.00	1,520.82	9.17	166.810		
900.00	893.55	873.29	873.26	5.02	4.82	64.40	-1,212.28	978.85	1,519.87	1,510.06	9.81	154.859		
1,000.00	991.47	971.74	971.70	5.40	5.14	65.11	-1,211.75	977.84	1,510.02	1,499.52	10.50	143.784		
1,100.00	1,089.39	1,068.91	1,068.87	5.80	5.47	65.82	-1,211.27	976.71	1,500.35	1,489.14	11.22	133.736		
1,200.00	1,187.31	1,165.86	1,165.81	6.21	5.81	66.53	-1,210.80	975.69	1,491.00	1,479.04	11.96	124.641		
1,300.00	1,285.22	1,265.94	1,265.88	6.64	6.16	67.27	-1,210.17	974.80	1,481.86	1,469.12	12.74	116.318		
1,400.00	1,383.14	1,363.70	1,363.63	7.08	6.52	68.00	-1,209.46	973.80	1,472.82	1,459.29	13.53	108.869		
1,500.00	1,481.06	1,460.81	1,460.74	7.52	6.89	68.74	-1,208.86	972.79	1,464.11	1,449.78	14.33	102.164		
1,600.00	1,578.98	1,557.52	1,557.44	7.98	7.25	69.47	-1,208.18	971.95	1,455.67	1,440.52	15.15	96.110		
1,700.00	1,676.90	1,653.15	1,653.07	8.44	7.62	70.21	-1,207.60	971.20	1,447.61	1,431.64	15.97	90.655		
1,800.00	1,774.82	1,751.54	1,751.45	8.90	8.01	70.99	-1,207.26	970.21	1,439.92	1,423.11	16.81	85.654		
1,900.00	1,872.74	1,845.97	1,845.88	9.37	8.38	71.74	-1,206.81	969.31	1,432.42	1,414.78	17.65	81.168		
2,000.00	1,970.66	1,935.61	1,935.52	9.84	8.73	72.44	-1,206.69	968.94	1,425.74	1,407.26	18.47	77.178		
2,100.00	2,068.57	2,028.29	2,028.20	10.32	9.10	73.19	-1,207.02	968.58	1,419.77	1,400.45	19.31	73.506		
2,200.00	2,166.49	2,123.62	2,123.52	10.80	9.48	73.96	-1,207.66	968.20	1,414.34	1,394.17	20.17	70.117		
2,300.00	2,264.41	2,221.27	2,221.17	11.28	9.87	74.76	-1,208.32	967.98	1,409.28	1,388.24	21.04	66.976		
2,400.00	2,362.33	2,319.18	2,319.08	11.76	10.27	75.57	-1,209.07	967.58	1,404.50	1,382.58	21.92	64.080		
2,500.00	2,460.25	2,416.77	2,416.66	12.24	10.66	76.38	-1,209.86	967.06	1,400.02	1,377.22	22.80	61.409		
2,600.00	2,558.17	2,513.45	2,513.33	12.73	11.06	77.19	-1,210.63	966.72	1,395.89	1,372.22	23.68	58.952		
2,700.00	2,656.09	2,611.45	2,611.34	13.22	11.46	78.01	-1,211.39	966.47	1,392.08	1,367.51	24.57	56.664		
2,800.00	2,754.01	2,707.09	2,706.96	13.71	11.85	78.82	-1,212.24	966.21	1,388.66	1,363.21	25.45	54.565		
2,900.00	2,851.92	2,808.34	2,808.22	14.20	12.26	79.67	-1,213.04	966.03	1,385.49	1,359.13	26.36	52.565		
3,000.00	2,949.84	2,901.91	2,901.78	14.69	12.65	80.46	-1,213.80	965.99	1,382.67	1,355.43	27.24	50.764		
3,100.00	3,047.76	3,001.15	3,001.01	15.18	13.06	81.30	-1,214.67	965.97	1,380.23	1,352.08	28.14	49.044		
3,200.00	3,145.68	3,099.01	3,098.88	15.67	13.46	82.13	-1,215.53	965.83	1,378.04	1,348.99	29.04	47.446		
3,300.00	3,243.60	3,201.52	3,201.38	16.17	13.89	83.01	-1,216.28	965.56	1,375.99	1,346.02	29.97	45.917		
3,400.00	3,341.52	3,297.32	3,297.18	16.66	14.29	83.83	-1,216.89	965.31	1,374.16	1,343.29	30.86	44.522		
3,500.00	3,439.44	3,388.20	3,388.06	17.16	14.66	84.61	-1,217.74	965.14	1,372.95	1,341.21	31.74	43.253		
3,559.84	3,498.03	3,438.10	3,437.95	17.45	14.87	85.04	-1,218.47	965.12	1,372.69	1,340.44	32.25	42.567 CC		
3,600.00	3,537.36	3,470.78	3,470.62	17.65	15.01	85.32	-1,219.13	965.16	1,372.81	1,340.23	32.58	42.133 ES		
3,700.00	3,635.27	3,557.41	3,557.22	18.15	15.37	86.06	-1,221.48	965.52	1,374.03	1,340.59	33.44	41.091		
3,800.00	3,733.19	3,651.38	3,651.14	18.65	15.77	86.86	-1,224.48	966.22	1,376.09	1,341.76	34.33	40.086		
3,900.00	3,831.11	3,750.29	3,749.99	19.14	16.18	87.69	-1,227.67	967.04	1,378.50	1,343.26	35.24	39.113		
4,000.00	3,929.03	3,852.12	3,851.77	19.64	16.61	88.54	-1,230.81	967.81	1,381.05	1,344.88	36.17	38.177		
4,100.00	4,026.95	3,952.50	3,952.11	20.14	17.03	89.38	-1,233.60	968.37	1,383.58	1,346.48	37.10	37.294		
4,200.00	4,124.87	4,052.09	4,051.66	20.64	17.45	90.22	-1,236.34	968.78	1,386.35	1,348.33	38.02	36.463		
4,300.00	4,222.79	4,153.65	4,153.19	21.14	17.88	91.08	-1,238.90	969.21	1,389.19	1,350.24	38.95	35.664		
4,400.00	4,320.71	4,254.33	4,253.84	21.64	18.30	91.92	-1,241.20	969.50	1,392.09	1,352.21	39.88	34.907		
4,500.00	4,418.62	4,355.38	4,354.87	22.14	18.73	92.76	-1,243.32	969.83	1,395.10	1,354.29	40.81	34.186		
4,600.00	4,516.54	4,456.13	4,455.60	22.64	19.15	93.60	-1,245.20	969.94	1,398.15	1,356.42	41.74	33.498		
4,700.00	4,614.46	4,553.84	4,553.30	23.14	19.56	94.43	-1,246.94	969.75	1,401.40	1,358.75	42.65	32.857		
4,800.00	4,712.38	4,652.12	4,651.56	23.64	19.98	95.26	-1,248.76	969.46	1,405.00	1,361.44	43.57	32.248		
4,900.00	4,810.30	4,753.45	4,752.88	24.14	20.41	96.10	-1,250.46	969.30	1,408.75	1,364.25	44.50	31.657		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,908.22	4,854.55	4,853.97	24.64	20.83	96.93	-1,251.86	969.47	1,412.52	1,367.09	45.43	31.091		
5,100.00	5,006.14	4,957.75	4,957.16	25.14	21.27	97.75	-1,253.02	969.98	1,416.34	1,369.97	46.37	30.543		
5,200.00	5,104.06	5,057.28	5,056.68	25.64	21.69	98.55	-1,253.79	970.21	1,420.07	1,372.77	47.29	30.026		
5,300.00	5,201.97	5,158.19	5,157.60	26.14	22.11	99.37	-1,254.57	970.11	1,424.09	1,375.86	48.22	29.531		
5,400.00	5,299.89	5,260.67	5,260.07	26.64	22.55	100.20	-1,254.97	970.09	1,428.00	1,378.84	49.16	29.049		
5,500.00	5,397.81	5,358.60	5,358.00	27.15	22.96	100.99	-1,255.19	969.90	1,432.05	1,381.97	50.07	28.600		
5,600.00	5,495.73	5,460.74	5,460.14	27.65	23.40	101.82	-1,255.39	969.31	1,436.35	1,385.34	51.00	28.161		
5,700.00	5,593.65	5,565.32	5,564.71	28.15	23.84	102.69	-1,255.05	968.38	1,440.45	1,388.51	51.95	27.729		
5,800.00	5,691.57	5,668.41	5,667.79	28.65	24.28	103.53	-1,254.30	967.48	1,444.46	1,391.58	52.88	27.316		
5,900.00	5,789.49	5,767.16	5,766.54	29.15	24.69	104.34	-1,253.33	966.60	1,448.52	1,394.72	53.79	26.927		
6,000.00	5,887.41	5,865.47	5,864.84	29.66	25.11	105.13	-1,252.39	965.94	1,452.87	1,398.17	54.70	26.559		
6,100.00	5,985.32	5,962.06	5,961.42	30.16	25.52	105.90	-1,251.45	965.34	1,457.48	1,401.88	55.60	26.212		
6,200.00	6,083.24	6,073.43	6,072.79	30.66	25.99	106.79	-1,250.14	964.61	1,462.21	1,405.64	56.57	25.846		
6,300.00	6,181.16	6,178.34	6,177.66	31.16	26.43	107.63	-1,247.82	963.85	1,466.19	1,408.68	57.51	25.494		
6,400.00	6,279.08	6,290.31	6,289.58	31.67	26.91	108.52	-1,244.72	962.87	1,469.95	1,411.48	58.48	25.138		
6,490.03	6,367.24	6,381.04	6,380.26	32.12	27.29	109.24	-1,241.64	962.50	1,472.97	1,413.67	59.30	24.839		
6,500.00	6,377.01	6,390.97	6,390.19	32.17	27.33	110.26	-1,241.31	962.51	1,473.30	1,413.91	59.39	24.807		
6,550.00	6,426.43	6,433.93	6,433.13	32.40	27.52	119.04	-1,239.96	962.67	1,474.74	1,414.94	59.80	24.660		
6,600.00	6,476.27	6,475.65	6,474.83	32.61	27.69	153.91	-1,238.89	962.91	1,475.91	1,415.73	60.18	24.523		
6,650.00	6,526.21	6,516.79	6,515.97	32.80	27.87	-119.81	-1,238.08	963.21	1,476.78	1,416.24	60.54	24.392		
6,700.00	6,575.96	6,556.84	6,556.01	32.98	28.04	-98.87	-1,237.56	963.54	1,477.40	1,416.51	60.89	24.264		
6,750.00	6,625.19	6,596.44	6,595.61	33.16	28.20	-92.83	-1,237.31	963.87	1,477.80	1,416.57	61.23	24.133		
6,800.00	6,673.62	6,637.61	6,636.78	33.35	28.38	-90.29	-1,237.29	964.17	1,478.01	1,416.41	61.60	23.995		
6,850.00	6,720.94	6,678.11	6,677.28	33.55	28.55	-89.13	-1,237.43	964.33	1,478.04	1,416.07	61.97	23.851		
6,900.00	6,766.86	6,719.81	6,718.97	33.76	28.72	-88.70	-1,237.73	964.37	1,478.00	1,415.64	62.36	23.700		
6,950.00	6,811.10	6,762.84	6,762.00	33.98	28.91	-88.75	-1,238.09	964.34	1,477.88	1,415.09	62.78	23.539		
6,995.29	6,849.49	6,800.22	6,799.38	34.21	29.07	-89.02	-1,238.43	964.28	1,477.81	1,414.64	63.18	23.392		
7,000.00	6,853.38	6,804.02	6,803.18	34.23	29.08	-89.06	-1,238.47	964.27	1,477.81	1,414.60	63.22	23.377		
7,050.00	6,893.45	6,840.64	6,839.80	34.50	29.24	-89.48	-1,238.86	964.17	1,478.01	1,414.37	63.65	23.221		
7,100.00	6,931.05	6,875.28	6,874.44	34.79	29.39	-89.99	-1,239.30	964.03	1,478.68	1,414.58	64.10	23.069		
7,150.00	6,965.96	6,908.30	6,907.45	35.12	29.53	-90.54	-1,239.78	963.86	1,479.97	1,415.40	64.57	22.920		
7,200.00	6,997.96	6,940.98	6,940.13	35.47	29.66	-91.12	-1,240.27	963.68	1,482.03	1,416.95	65.08	22.774		
7,250.00	7,026.85	6,970.53	6,969.68	35.86	29.79	-91.63	-1,240.70	963.51	1,485.00	1,419.40	65.60	22.638		
7,300.00	7,052.45	6,996.78	6,995.92	36.29	29.90	-92.00	-1,241.08	963.36	1,489.05	1,422.91	66.13	22.516		
7,350.00	7,074.61	7,018.95	7,018.09	36.76	30.00	-92.19	-1,241.39	963.23	1,494.32	1,427.65	66.68	22.411		
7,400.00	7,093.19	7,037.48	7,036.61	37.27	30.08	-92.17	-1,241.66	963.12	1,500.94	1,433.71	67.23	22.325		
7,450.00	7,108.07	7,052.35	7,051.49	37.81	30.14	-91.93	-1,241.87	963.04	1,508.98	1,441.19	67.79	22.261		
7,500.00	7,119.17	7,063.49	7,062.62	38.39	30.19	-91.43	-1,242.04	962.98	1,518.48	1,450.14	68.34	22.220		
7,550.00	7,126.41	7,070.83	7,069.96	38.99	30.22	-90.67	-1,242.14	962.95	1,529.43	1,460.55	68.87	22.206 SF		
7,600.00	7,129.75	7,074.33	7,073.46	39.62	30.23	-89.65	-1,242.19	962.93	1,541.79	1,472.40	69.39	22.219		
7,616.41	7,130.00	7,074.64	7,073.77	39.83	30.23	-89.25	-1,242.20	962.93	1,546.15	1,476.59	69.55	22.229		
7,700.00	7,130.16	7,075.17	7,074.31	40.97	30.24	-89.27	-1,242.21	962.93	1,570.75	1,500.35	70.39	22.315		
7,800.00	7,130.35	7,075.81	7,074.94	42.46	30.24	-89.30	-1,242.22	962.92	1,605.40	1,534.00	71.40	22.483		
7,900.00	7,130.55	7,076.44	7,075.58	44.09	30.24	-89.32	-1,242.23	962.92	1,645.42	1,573.01	72.41	22.725		
8,000.00	7,130.74	7,077.08	7,076.21	45.84	30.24	-89.35	-1,242.24	962.92	1,690.41	1,617.03	73.37	23.038		
8,100.00	7,130.94	7,077.70	7,076.84	47.70	30.25	-89.37	-1,242.24	962.91	1,739.99	1,665.69	74.29	23.421		
8,200.00	7,131.13	7,078.33	7,077.46	49.65	30.25	-89.39	-1,242.25	962.91	1,793.78	1,718.62	75.16	23.868		
8,300.00	7,131.32	7,078.96	7,078.09	51.70	30.25	-89.42	-1,242.26	962.91	1,851.41	1,775.45	75.95	24.375		
8,400.00	7,131.52	7,079.58	7,078.71	53.81	30.25	-89.44	-1,242.27	962.91	1,912.53	1,835.84	76.69	24.938		
8,500.00	7,131.71	7,080.20	7,079.33	55.99	30.26	-89.47	-1,242.28	962.90	1,976.83	1,899.47	77.36	25.552		
8,600.00	7,131.90	7,080.82	7,079.95	58.24	30.26	-89.49	-1,242.29	962.90	2,044.00	1,966.02	77.98	26.213		
8,700.00	7,132.10	7,081.44	7,080.57	60.53	30.26	-89.51	-1,242.30	962.90	2,113.77	2,035.23	78.53	26.916		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.29	7,082.06	7,081.19	62.87	30.26	-89.54	-1,242.31	962.89	2,185.88	2,106.85	79.04	27.657		
8,900.00	7,132.49	7,082.67	7,081.80	65.25	30.27	-89.56	-1,242.32	962.89	2,260.12	2,180.63	79.49	28.432		
9,000.00	7,132.68	7,083.28	7,082.41	67.68	30.27	-89.59	-1,242.33	962.89	2,336.28	2,256.38	79.90	29.239		
9,100.00	7,132.87	7,083.89	7,083.02	70.13	30.27	-89.61	-1,242.34	962.88	2,414.18	2,333.91	80.27	30.074		
9,200.00	7,133.07	7,084.50	7,083.63	72.61	30.28	-89.63	-1,242.35	962.88	2,493.66	2,413.05	80.61	30.935		
9,300.00	7,133.26	7,085.11	7,084.24	75.13	30.28	-89.66	-1,242.35	962.88	2,574.57	2,493.66	80.91	31.819		
9,400.00	7,133.46	7,085.71	7,084.84	77.66	30.28	-89.68	-1,242.36	962.88	2,656.78	2,575.59	81.19	32.723		
9,500.00	7,133.65	7,086.31	7,085.45	80.22	30.28	-89.70	-1,242.37	962.87	2,740.18	2,658.74	81.44	33.647		
9,600.00	7,133.84	7,086.92	7,086.05	82.80	30.29	-89.73	-1,242.38	962.87	2,824.65	2,742.98	81.67	34.587		
9,700.00	7,134.04	7,087.51	7,086.65	85.40	30.29	-89.75	-1,242.39	962.87	2,910.10	2,828.23	81.87	35.544		
9,800.00	7,134.23	7,088.11	7,087.24	88.01	30.29	-89.77	-1,242.40	962.86	2,996.46	2,914.39	82.06	36.514		
9,900.00	7,134.43	7,088.71	7,087.84	90.64	30.29	-89.79	-1,242.41	962.86	3,083.64	3,001.40	82.24	37.497		
10,000.00	7,134.62	7,089.30	7,088.43	93.28	30.30	-89.82	-1,242.42	962.86	3,171.57	3,089.18	82.40	38.492		
10,100.00	7,134.81	7,089.89	7,089.02	95.94	30.30	-89.84	-1,242.43	962.86	3,260.21	3,177.66	82.54	39.497		
10,200.00	7,135.01	7,090.48	7,089.61	98.61	30.30	-89.86	-1,242.43	962.85	3,349.48	3,266.80	82.68	40.513		
10,300.00	7,135.20	7,091.07	7,090.20	101.28	30.30	-89.88	-1,242.44	962.85	3,439.34	3,356.54	82.80	41.537		
10,400.00	7,135.39	7,091.66	7,090.79	103.97	30.31	-89.91	-1,242.45	962.85	3,529.75	3,446.83	82.92	42.569		
10,500.00	7,135.59	7,092.24	7,091.37	106.67	30.31	-89.93	-1,242.46	962.85	3,620.66	3,537.64	83.03	43.609		
10,600.00	7,135.78	7,092.82	7,091.95	109.38	30.31	-89.95	-1,242.47	962.84	3,712.04	3,628.91	83.13	44.655		
10,700.00	7,135.98	7,093.40	7,092.53	112.09	30.31	-89.97	-1,242.48	962.84	3,803.85	3,720.63	83.22	45.708		
10,800.00	7,136.17	7,093.98	7,093.11	114.81	30.32	-90.00	-1,242.49	962.84	3,896.07	3,812.76	83.31	46.766		
10,900.00	7,136.36	7,094.56	7,093.69	117.54	30.32	-90.02	-1,242.50	962.84	3,988.66	3,905.27	83.39	47.830		
11,000.00	7,136.56	7,095.14	7,094.27	120.28	30.32	-90.04	-1,242.50	962.83	4,081.60	3,998.13	83.47	48.898		
11,100.00	7,136.75	7,095.71	7,094.84	123.02	30.32	-90.06	-1,242.51	962.83	4,174.87	4,091.32	83.55	49.970		
11,200.00	7,136.95	7,096.28	7,095.41	125.76	30.33	-90.09	-1,242.52	962.83	4,268.44	4,184.82	83.62	51.047		
11,300.00	7,137.14	7,096.85	7,095.98	128.52	30.33	-90.11	-1,242.53	962.82	4,362.30	4,278.61	83.69	52.126		
11,400.00	7,137.33	7,097.42	7,096.55	131.27	30.33	-90.13	-1,242.54	962.82	4,456.42	4,372.67	83.75	53.210		
11,500.00	7,137.53	7,097.99	7,097.12	134.03	30.33	-90.15	-1,242.55	962.82	4,550.80	4,466.98	83.81	54.296		
11,600.00	7,137.72	7,098.56	7,097.69	136.80	30.34	-90.17	-1,242.56	962.82	4,645.41	4,561.53	83.88	55.385		
11,700.00	7,137.92	7,099.12	7,098.25	139.57	30.34	-90.19	-1,242.56	962.81	4,740.24	4,656.30	83.93	56.476		
11,800.00	7,138.11	7,099.68	7,098.81	142.34	30.34	-90.22	-1,242.57	962.81	4,835.28	4,751.29	83.99	57.570		
11,900.00	7,138.30	7,100.26	7,099.39	145.12	30.34	-90.24	-1,242.58	962.81	4,930.51	4,846.47	84.05	58.665		
12,000.00	7,138.50	7,100.87	7,100.00	147.90	30.35	-90.26	-1,242.59	962.81	5,025.93	4,941.83	84.10	59.762		
12,100.00	7,138.69	7,101.48	7,100.61	150.68	30.35	-90.29	-1,242.60	962.80	5,121.53	5,037.38	84.15	60.861		
12,200.00	7,138.88	7,102.09	7,101.22	153.47	30.35	-90.31	-1,242.61	962.80	5,217.29	5,133.08	84.20	61.961		
12,300.00	7,139.08	7,102.70	7,101.83	156.26	30.35	-90.33	-1,242.62	962.80	5,313.20	5,228.95	84.25	63.062		
12,400.00	7,139.27	7,103.31	7,102.44	159.05	30.36	-90.36	-1,242.63	962.80	5,409.27	5,324.96	84.30	64.164		
12,500.00	7,139.47	7,103.92	7,103.05	161.85	30.36	-90.38	-1,242.64	962.79	5,505.47	5,421.12	84.35	65.267		
12,600.00	7,139.66	7,104.53	7,103.66	164.64	30.36	-90.40	-1,242.64	962.79	5,601.81	5,517.41	84.40	66.371		
12,700.00	7,139.85	7,105.14	7,104.27	167.44	30.36	-90.43	-1,242.65	962.79	5,698.27	5,613.82	84.45	67.476		
12,800.00	7,140.05	7,105.75	7,104.88	170.24	30.37	-90.45	-1,242.66	962.78	5,794.86	5,710.36	84.50	68.581		
12,900.00	7,140.24	7,106.36	7,105.49	173.05	30.37	-90.47	-1,242.67	962.78	5,891.55	5,807.01	84.54	69.686		
13,000.00	7,140.44	7,106.97	7,106.10	175.85	30.37	-90.50	-1,242.68	962.78	5,988.36	5,903.77	84.59	70.792		
13,100.00	7,140.63	7,107.58	7,106.71	178.66	30.37	-90.52	-1,242.69	962.78	6,085.27	6,000.63	84.64	71.898		
13,200.00	7,140.82	7,108.19	7,107.32	181.47	30.38	-90.54	-1,242.70	962.77	6,182.27	6,097.59	84.68	73.003		
13,300.00	7,141.02	7,108.80	7,107.93	184.28	30.38	-90.57	-1,242.71	962.77	6,279.38	6,194.64	84.73	74.109		
13,400.00	7,141.21	7,109.41	7,108.54	187.10	30.38	-90.59	-1,242.72	962.77	6,376.57	6,291.79	84.78	75.215		
13,500.00	7,141.41	7,110.02	7,109.15	189.91	30.38	-90.61	-1,242.73	962.77	6,473.84	6,389.02	84.82	76.320		
13,600.00	7,141.60	7,110.63	7,109.75	192.73	30.39	-90.64	-1,242.74	962.76	6,571.20	6,486.33	84.87	77.425		
13,700.00	7,141.79	7,111.24	7,110.36	195.54	30.39	-90.66	-1,242.75	962.76	6,668.64	6,583.72	84.92	78.530		
13,800.00	7,141.99	7,111.85	7,110.97	198.36	30.39	-90.68	-1,242.75	962.76	6,766.15	6,681.18	84.97	79.634		
13,900.00	7,142.18	7,112.46	7,111.58	201.18	30.39	-90.71	-1,242.76	962.75	6,863.73	6,778.72	85.01	80.738		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,113.07	7,112.19	204.01	30.40	-90.73	-1,242.77	962.75	6,961.38	6,876.32	85.06	81.841		
14,100.00	7,142.57	7,113.68	7,112.80	206.83	30.40	-90.75	-1,242.78	962.75	7,059.10	6,973.99	85.11	82.943		
14,200.00	7,142.76	7,114.29	7,113.41	209.65	30.40	-90.78	-1,242.79	962.75	7,156.88	7,071.72	85.16	84.044		
14,300.00	7,142.96	7,114.89	7,114.02	212.48	30.40	-90.80	-1,242.80	962.74	7,254.72	7,169.51	85.20	85.145		
14,400.00	7,143.15	7,115.50	7,114.63	215.30	30.41	-90.82	-1,242.81	962.74	7,352.61	7,267.36	85.25	86.245		
14,500.00	7,143.34	7,116.11	7,115.24	218.13	30.41	-90.85	-1,242.82	962.74	7,450.57	7,365.27	85.30	87.343		
14,600.00	7,143.54	7,116.72	7,115.85	220.96	30.41	-90.87	-1,242.83	962.74	7,548.58	7,463.22	85.35	88.441		
14,700.00	7,143.73	7,117.33	7,116.46	223.79	30.42	-90.90	-1,242.84	962.73	7,646.63	7,561.23	85.40	89.538		
14,800.00	7,143.93	7,117.94	7,117.07	226.62	30.42	-90.92	-1,242.85	962.73	7,744.74	7,659.29	85.45	90.634		
14,838.32	7,144.00	7,118.18	7,117.30	227.70	30.42	-90.93	-1,242.85	962.73	7,782.35	7,696.88	85.47	91.053		
14,900.00	7,144.12	7,118.56	7,117.69	229.45	30.42	-90.85	-1,242.85	962.73	7,842.77	7,757.27	85.50	91.727		
15,000.00	7,144.32	7,119.23	7,118.36	232.26	30.42	-90.75	-1,242.86	962.72	7,940.16	7,854.61	85.55	92.814		
15,027.81	7,144.37	7,119.43	7,118.56	233.04	30.42	-90.73	-1,242.87	962.72	7,967.11	7,881.55	85.56	93.116		
15,100.00	7,144.51	7,119.94	7,119.07	235.07	30.43	-90.74	-1,242.88	962.72	8,037.02	7,951.43	85.60	93.896		
15,200.00	7,144.71	7,120.65	7,119.78	237.87	30.43	-90.76	-1,242.89	962.72	8,133.92	8,048.28	85.64	94.975		
15,300.00	7,144.91	7,121.37	7,120.49	240.68	30.43	-90.78	-1,242.90	962.71	8,230.90	8,145.20	85.69	96.053		
15,400.00	7,145.10	7,122.08	7,121.20	243.48	30.44	-90.80	-1,242.91	962.71	8,327.94	8,242.20	85.74	97.131		
15,500.00	7,145.30	7,122.79	7,121.92	246.29	30.44	-90.82	-1,242.92	962.71	8,425.06	8,339.27	85.79	98.207		
15,600.00	7,145.50	7,123.50	7,122.63	249.10	30.44	-90.84	-1,242.93	962.71	8,522.24	8,436.40	85.84	99.283		
15,700.00	7,145.69	7,124.21	7,123.34	251.91	30.44	-90.86	-1,242.94	962.70	8,619.48	8,533.60	85.89	100.357		
15,800.00	7,145.89	7,124.92	7,124.05	254.71	30.45	-90.88	-1,242.95	962.70	8,716.79	8,630.85	85.94	101.431		
15,900.00	7,146.09	7,125.64	7,124.76	257.52	30.45	-90.91	-1,242.96	962.70	8,814.16	8,728.17	85.99	102.503		
16,000.00	7,146.28	7,126.35	7,125.47	260.34	30.45	-90.93	-1,242.97	962.69	8,911.59	8,825.54	86.04	103.574		
16,100.00	7,146.48	7,127.06	7,126.18	263.15	30.46	-90.95	-1,242.98	962.69	9,009.07	8,922.98	86.09	104.643		
16,200.00	7,146.68	7,127.77	7,126.90	265.96	30.46	-90.97	-1,242.99	962.69	9,106.61	9,020.46	86.15	105.711		
16,300.00	7,146.87	7,128.48	7,127.61	268.77	30.46	-90.99	-1,243.00	962.68	9,204.20	9,118.00	86.20	106.778		
16,400.00	7,147.07	7,129.19	7,128.32	271.58	30.47	-91.01	-1,243.01	962.68	9,301.84	9,215.59	86.25	107.844		
16,500.00	7,147.27	7,129.91	7,129.03	274.40	30.47	-91.03	-1,243.02	962.68	9,399.53	9,313.22	86.31	108.908		
16,600.00	7,147.46	7,130.62	7,129.74	277.21	30.47	-91.05	-1,243.04	962.67	9,497.27	9,410.91	86.36	109.970		
16,700.00	7,147.66	7,131.33	7,130.45	280.03	30.47	-91.07	-1,243.05	962.67	9,595.05	9,508.64	86.42	111.031		
16,800.00	7,147.86	7,132.04	7,131.17	282.84	30.48	-91.09	-1,243.06	962.67	9,692.88	9,606.41	86.47	112.090		
16,900.00	7,148.05	7,132.75	7,131.88	285.66	30.48	-91.11	-1,243.07	962.66	9,790.76	9,704.23	86.53	113.148		
17,000.00	7,148.25	7,133.46	7,132.59	288.48	30.48	-91.13	-1,243.08	962.66	9,888.68	9,802.09	86.59	114.204		
17,100.00	7,148.45	7,134.18	7,133.30	291.29	30.49	-91.15	-1,243.09	962.66	9,986.63	9,899.99	86.65	115.259		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	83.45	107.49	936.07	942.95					
100.00	100.00	65.43	65.43	3.28	3.28	83.45	107.55	935.98	942.14	935.57	6.57	143.450		
200.00	200.00	168.09	168.09	3.34	3.32	83.43	107.82	935.51	941.72	935.06	6.66	141.481		
300.00	299.98	267.14	267.13	3.44	3.41	83.42	108.02	934.95	939.44	932.58	6.85	137.079		
400.00	399.84	363.08	363.08	3.60	3.54	3.44	108.10	934.69	933.95	926.81	7.15	130.713		
500.00	499.45	456.81	456.80	3.81	3.71	3.48	108.13	934.93	925.52	918.00	7.52	123.082		
600.00	598.70	547.66	547.65	4.06	3.91	3.55	107.94	935.89	914.37	906.41	7.96	114.835		
700.00	697.47	639.15	639.12	4.34	4.14	3.66	107.61	937.80	900.77	892.30	8.47	106.338		
785.50	781.43	720.52	720.46	4.61	4.37	3.78	107.22	939.94	886.85	877.89	8.96	99.000		
800.00	795.63	734.51	734.44	4.66	4.41	3.80	107.15	940.33	884.30	875.26	9.05	97.738		
900.00	893.55	831.03	830.92	5.02	4.70	3.96	106.48	943.17	866.85	857.19	9.66	89.727		
1,000.00	991.47	929.37	929.21	5.40	5.01	4.12	105.76	946.24	849.58	839.26	10.32	82.334		
1,100.00	1,089.39	1,029.84	1,029.63	5.80	5.35	4.32	104.75	949.15	832.06	821.05	11.02	75.537		
1,200.00	1,187.31	1,126.36	1,126.11	6.21	5.69	4.52	103.66	952.04	814.64	802.92	11.73	69.465		
1,300.00	1,285.22	1,224.99	1,224.68	6.64	6.04	4.72	102.76	955.11	797.37	784.90	12.47	63.956		
1,400.00	1,383.14	1,326.19	1,325.84	7.08	6.41	4.94	101.74	958.00	779.85	766.62	13.23	58.933		
1,500.00	1,481.06	1,425.38	1,424.99	7.52	6.78	5.15	101.04	960.57	762.11	748.10	14.01	54.407		
1,600.00	1,578.98	1,523.79	1,523.37	7.98	7.15	5.35	100.48	963.15	744.40	729.61	14.79	50.322		
1,700.00	1,676.90	1,627.53	1,627.08	8.44	7.55	5.57	99.93	965.50	726.38	710.78	15.60	46.556		
1,800.00	1,774.82	1,733.98	1,733.52	8.90	7.96	5.80	99.29	966.73	707.25	690.83	16.42	43.060		
1,900.00	1,872.74	1,834.95	1,834.48	9.37	8.35	6.05	98.46	967.13	687.39	670.15	17.24	39.872		
2,000.00	1,970.66	1,932.95	1,932.47	9.84	8.73	6.31	97.55	967.34	667.35	649.30	18.06	36.962		
2,100.00	2,068.57	2,031.04	2,030.57	10.32	9.12	6.57	96.97	967.61	647.41	628.53	18.88	34.297		
2,200.00	2,166.49	2,130.60	2,130.12	10.80	9.52	6.85	96.20	967.62	627.21	607.51	19.70	31.831		
2,300.00	2,264.41	2,227.65	2,227.17	11.28	9.91	7.15	95.51	967.63	607.03	586.50	20.53	29.563		
2,400.00	2,362.33	2,324.82	2,324.34	11.76	10.30	7.45	94.91	967.76	586.99	565.63	21.37	27.471		
2,500.00	2,460.25	2,421.94	2,421.46	12.24	10.69	7.73	94.76	968.01	567.11	544.91	22.21	25.539		
2,600.00	2,558.17	2,519.88	2,519.40	12.73	11.09	8.01	94.86	968.34	547.34	524.29	23.05	23.746		
2,700.00	2,656.09	2,619.12	2,618.63	13.22	11.49	8.31	94.92	968.55	527.45	503.55	23.90	22.073		
2,800.00	2,754.01	2,718.73	2,718.24	13.71	11.90	8.67	94.76	968.48	507.29	482.55	24.74	20.503		
2,900.00	2,851.92	2,818.05	2,817.56	14.20	12.31	9.07	94.48	968.07	486.82	461.23	25.59	19.025		
3,000.00	2,949.84	2,916.04	2,915.55	14.69	12.71	9.56	93.64	967.53	466.23	439.79	26.44	17.635		
3,100.00	3,047.76	3,013.83	3,013.33	15.18	13.11	10.18	92.25	966.95	445.63	418.34	27.29	16.330		
3,200.00	3,145.68	3,110.38	3,109.87	15.67	13.51	10.77	91.41	966.55	425.25	397.10	28.15	15.108		
3,300.00	3,243.60	3,207.68	3,207.17	16.17	13.92	11.39	90.78	966.33	405.11	376.11	29.01	13.967		
3,400.00	3,341.52	3,303.50	3,302.99	16.66	14.32	12.07	90.15	966.46	385.37	355.49	29.87	12.901		
3,500.00	3,439.44	3,398.75	3,398.24	17.16	14.71	12.80	89.58	967.17	366.29	335.54	30.74	11.914		
3,600.00	3,537.36	3,493.43	3,492.90	17.65	15.11	13.58	89.10	968.71	348.12	316.50	31.62	11.009		
3,700.00	3,635.27	3,591.22	3,590.66	18.15	15.52	14.55	88.11	970.84	330.62	298.13	32.50	10.174		
3,800.00	3,733.19	3,694.27	3,693.68	18.65	15.95	15.86	86.23	972.36	312.61	279.25	33.35	9.373		
3,900.00	3,831.11	3,792.25	3,791.65	19.14	16.36	17.18	84.95	972.99	293.88	259.65	34.23	8.585		
4,000.00	3,929.03	3,892.47	3,891.86	19.64	16.78	18.55	84.44	973.41	275.01	239.91	35.09	7.836		
4,100.00	4,026.95	3,989.61	3,989.00	20.14	17.19	19.98	84.45	973.58	255.97	219.99	35.98	7.114		
4,200.00	4,124.87	4,088.28	4,087.68	20.64	17.60	21.64	84.48	973.85	237.20	200.34	36.87	6.434		
4,300.00	4,222.79	4,186.69	4,186.09	21.14	18.01	23.69	84.18	973.75	218.38	180.62	37.76	5.784		
4,400.00	4,320.71	4,285.03	4,284.42	21.64	18.43	26.22	83.62	973.35	199.66	161.00	38.66	5.164		
4,500.00	4,418.62	4,382.61	4,382.00	22.14	18.84	29.39	82.63	972.72	181.31	141.72	39.60	4.579		
4,600.00	4,516.54	4,480.04	4,479.41	22.64	19.25	33.49	80.94	971.99	163.80	123.23	40.57	4.038		
4,700.00	4,614.46	4,577.09	4,576.39	23.14	19.66	39.12	77.67	970.79	147.67	106.06	41.61	3.549		
4,800.00	4,712.38	4,673.41	4,672.58	23.64	20.07	46.60	72.78	969.22	133.96	91.23	42.73	3.135		
4,900.00	4,810.30	4,769.72	4,768.69	24.14	20.48	55.79	66.83	967.81	124.01	80.09	43.92	2.824		
5,000.00	4,908.22	4,866.91	4,865.69	24.64	20.89	66.03	60.81	967.04	118.32	73.22	45.10	2.623		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
5,097.56	5,003.74	4,962.63	4,961.24	25.13	21.30	76.56	55.25	966.41	116.60	70.39	46.21	2.523 CC		
5,100.00	5,006.14	4,965.03	4,963.64	25.14	21.31	76.83	55.12	966.39	116.60	70.36	46.24	2.522 ES		
5,200.00	5,104.06	5,063.89	5,062.38	25.64	21.73	87.70	50.22	965.41	118.35	71.05	47.29	2.502 SF		
5,300.00	5,201.97	5,162.87	5,161.29	26.14	22.15	97.87	46.68	964.50	122.88	74.64	48.24	2.547		
5,400.00	5,299.89	5,262.19	5,260.57	26.64	22.57	107.27	44.30	963.37	129.92	80.81	49.10	2.646		
5,500.00	5,397.81	5,360.88	5,359.25	27.15	22.99	115.73	43.27	962.01	138.85	88.97	49.88	2.784		
5,600.00	5,495.73	5,459.64	5,458.00	27.65	23.40	123.28	42.96	960.31	149.92	99.31	50.61	2.962		
5,700.00	5,593.65	5,558.71	5,557.04	28.15	23.82	130.07	43.91	958.26	162.32	110.99	51.33	3.162		
5,800.00	5,691.57	5,656.25	5,654.53	28.65	24.23	135.92	45.61	956.22	176.05	124.03	52.02	3.384		
5,900.00	5,789.49	5,752.04	5,750.31	29.15	24.63	140.56	46.36	954.53	191.84	139.15	52.68	3.641		
6,000.00	5,887.41	5,848.75	5,847.00	29.66	25.04	144.26	45.75	952.91	209.64	156.23	53.41	3.925		
6,100.00	5,985.32	5,946.60	5,944.85	30.16	25.45	147.19	44.62	951.97	228.01	173.82	54.19	4.208		
6,200.00	6,083.24	6,044.60	6,042.83	30.66	25.87	149.66	43.32	951.07	246.94	191.95	54.99	4.491		
6,300.00	6,181.16	6,143.13	6,141.35	31.16	26.29	151.82	42.39	950.38	265.86	210.05	55.81	4.763		
6,400.00	6,279.08	6,240.46	6,238.67	31.67	26.70	153.68	41.55	949.67	285.07	228.45	56.62	5.035		
6,490.03	6,367.24	6,328.10	6,326.31	32.12	27.07	155.15	40.66	948.91	302.77	245.41	57.35	5.279		
6,500.00	6,377.01	6,337.91	6,336.12	32.17	27.11	156.32	40.56	948.83	304.67	247.24	57.44	5.304		
6,550.00	6,426.43	6,387.57	6,385.78	32.40	27.32	165.60	40.09	948.41	312.35	254.49	57.86	5.398		
6,600.00	6,476.27	6,437.57	6,435.77	32.61	27.54	-159.49	39.64	948.03	316.80	258.52	58.29	5.435		
6,650.00	6,526.21	6,487.65	6,485.85	32.80	27.75	-73.59	39.15	947.71	318.02	259.32	58.71	5.417		
6,700.00	6,575.96	6,537.70	6,535.89	32.98	27.96	-53.46	38.67	947.42	316.04	256.92	59.13	5.345		
6,750.00	6,625.19	6,587.29	6,585.49	33.16	28.17	-48.70	38.25	947.16	310.96	251.40	59.56	5.221		
6,800.00	6,673.62	6,635.42	6,633.61	33.35	28.38	-47.93	37.87	946.90	302.99	243.00	59.99	5.051		
6,850.00	6,720.94	6,682.28	6,680.47	33.55	28.58	-49.14	37.47	946.57	292.52	232.09	60.43	4.841		
6,900.00	6,766.86	6,727.97	6,726.16	33.76	28.77	-51.77	37.05	946.17	279.94	219.03	60.91	4.596		
6,950.00	6,811.10	6,772.20	6,770.38	33.98	28.96	-55.65	36.67	945.69	265.76	204.32	61.44	4.326		
7,000.00	6,853.38	6,814.57	6,812.75	34.23	29.14	-60.67	36.33	945.16	250.72	188.68	62.04	4.041		
7,050.00	6,893.45	6,854.77	6,852.94	34.50	29.31	-66.73	36.01	944.59	235.86	173.13	62.73	3.760		
7,100.00	6,931.05	6,892.64	6,890.81	34.79	29.47	-73.57	35.68	944.02	222.54	159.02	63.52	3.504		
7,150.00	6,965.96	6,928.29	6,926.45	35.12	29.62	-80.83	35.38	943.46	212.46	148.09	64.37	3.301		
7,200.00	6,997.96	6,961.05	6,959.20	35.47	29.76	-87.89	35.13	943.00	207.53	142.38	65.15	3.185		
7,211.81	7,005.07	6,968.32	6,966.48	35.56	29.79	-89.45	35.08	942.91	207.33	142.01	65.32	3.174		
7,250.00	7,026.85	6,990.60	6,988.75	35.86	29.89	-94.13	34.93	942.63	209.57	143.85	65.72	3.189		
7,300.00	7,052.45	7,016.60	7,014.75	36.29	30.00	-99.10	34.77	942.34	219.68	153.72	65.96	3.330		
7,350.00	7,074.61	7,039.00	7,037.14	36.76	30.09	-102.54	34.62	942.11	237.91	172.02	65.89	3.611		
7,400.00	7,093.19	7,057.75	7,055.90	37.27	30.17	-104.32	34.49	941.95	263.39	197.78	65.61	4.015		
7,450.00	7,108.07	7,072.78	7,070.92	37.81	30.24	-104.36	34.38	941.84	294.80	229.56	65.24	4.519		
7,500.00	7,119.17	7,084.01	7,082.15	38.39	30.28	-102.53	34.30	941.76	330.80	265.94	64.86	5.100		
7,550.00	7,126.41	7,091.40	7,089.55	38.99	30.31	-98.68	34.24	941.71	370.23	305.72	64.51	5.739		
7,600.00	7,129.75	7,094.96	7,093.10	39.62	30.33	-92.72	34.22	941.69	412.09	347.90	64.19	6.420		
7,616.41	7,130.00	7,095.28	7,093.43	39.83	30.33	-90.31	34.21	941.69	426.22	362.12	64.10	6.649		
7,700.00	7,130.16	7,095.91	7,094.05	40.97	30.33	-90.48	34.21	941.69	500.37	436.67	63.70	7.855		
7,800.00	7,130.35	7,096.64	7,094.78	42.46	30.34	-90.67	34.20	941.68	592.38	529.01	63.37	9.347		
7,900.00	7,130.55	7,097.37	7,095.51	44.09	30.34	-90.87	34.20	941.68	686.63	623.48	63.15	10.873		
8,000.00	7,130.74	7,098.09	7,096.23	45.84	30.34	-91.06	34.19	941.67	782.30	719.32	62.99	12.420		
8,100.00	7,130.94	7,098.80	7,096.94	47.70	30.35	-91.25	34.19	941.67	878.94	816.07	62.87	13.980		
8,200.00	7,131.13	7,099.50	7,097.64	49.65	30.35	-91.44	34.18	941.67	976.26	913.48	62.78	15.550		
8,300.00	7,131.32	7,100.21	7,098.35	51.70	30.35	-91.63	34.18	941.66	1,074.07	1,011.35	62.72	17.126		
8,400.00	7,131.52	7,100.95	7,099.09	53.81	30.36	-91.83	34.17	941.66	1,172.25	1,109.58	62.67	18.706		
8,500.00	7,131.71	7,101.69	7,099.83	55.99	30.36	-92.03	34.16	941.65	1,270.71	1,208.08	62.63	20.290		
8,600.00	7,131.90	7,102.42	7,100.57	58.24	30.36	-92.23	34.16	941.65	1,369.39	1,306.80	62.60	21.876		
8,700.00	7,132.10	7,103.16	7,101.30	60.53	30.36	-92.42	34.15	941.65	1,468.25	1,405.68	62.57	23.464		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.29	7,103.90	7,102.04	62.87	30.37	-92.62	34.15	941.64	1,567.26	1,504.70	62.56	25.053		
8,900.00	7,132.49	7,104.64	7,102.78	65.25	30.37	-92.82	34.14	941.64	1,666.38	1,603.84	62.55	26.642		
9,000.00	7,132.68	7,105.37	7,103.52	67.68	30.37	-93.02	34.13	941.63	1,765.61	1,703.07	62.54	28.231		
9,100.00	7,132.87	7,106.11	7,104.26	70.13	30.38	-93.21	34.13	941.63	1,864.91	1,802.38	62.54	29.821		
9,200.00	7,133.07	7,106.85	7,104.99	72.61	30.38	-93.41	34.12	941.62	1,964.29	1,901.75	62.54	31.409		
9,300.00	7,133.26	7,107.59	7,105.73	75.13	30.38	-93.61	34.12	941.62	2,063.72	2,001.18	62.54	32.998		
9,400.00	7,133.46	7,108.33	7,106.47	77.66	30.39	-93.81	34.11	941.62	2,163.21	2,100.66	62.55	34.585		
9,500.00	7,133.65	7,109.06	7,107.21	80.22	30.39	-94.00	34.11	941.61	2,262.74	2,200.19	62.56	36.171		
9,600.00	7,133.84	7,109.80	7,107.94	82.80	30.39	-94.20	34.10	941.61	2,362.32	2,299.75	62.57	37.756		
9,700.00	7,134.04	7,110.54	7,108.68	85.40	30.40	-94.40	34.09	941.60	2,461.92	2,399.34	62.58	39.340		
9,800.00	7,134.23	7,111.28	7,109.42	88.01	30.40	-94.60	34.09	941.60	2,561.56	2,498.96	62.60	40.922		
9,900.00	7,134.43	7,112.01	7,110.16	90.64	30.40	-94.79	34.08	941.60	2,661.22	2,598.61	62.61	42.503		
10,000.00	7,134.62	7,112.75	7,110.90	93.28	30.41	-94.99	34.08	941.59	2,760.91	2,698.28	62.63	44.082		
10,100.00	7,134.81	7,113.49	7,111.63	95.94	30.41	-95.19	34.07	941.59	2,860.62	2,797.97	62.65	45.659		
10,200.00	7,135.01	7,114.23	7,112.37	98.61	30.41	-95.38	34.06	941.58	2,960.35	2,897.68	62.67	47.234		
10,300.00	7,135.20	7,114.97	7,113.11	101.28	30.41	-95.58	34.06	941.58	3,060.10	2,997.40	62.70	48.807		
10,400.00	7,135.39	7,115.70	7,113.85	103.97	30.42	-95.77	34.05	941.58	3,159.86	3,097.14	62.72	50.378		
10,500.00	7,135.59	7,116.44	7,114.58	106.67	30.42	-95.97	34.05	941.57	3,259.63	3,196.89	62.75	51.947		
10,600.00	7,135.78	7,117.18	7,115.32	109.38	30.42	-96.17	34.04	941.57	3,359.42	3,296.65	62.78	53.513		
10,700.00	7,135.98	7,117.92	7,116.06	112.09	30.43	-96.36	34.04	941.56	3,459.23	3,396.42	62.81	55.077		
10,800.00	7,136.17	7,118.65	7,116.80	114.81	30.43	-96.56	34.03	941.56	3,559.04	3,496.20	62.84	56.638		
10,900.00	7,136.36	7,119.39	7,117.53	117.54	30.43	-96.75	34.02	941.55	3,658.86	3,595.99	62.87	58.197		
11,000.00	7,136.56	7,120.13	7,118.27	120.28	30.44	-96.95	34.02	941.55	3,758.69	3,695.79	62.90	59.753		
11,100.00	7,136.75	7,120.87	7,119.01	123.02	30.44	-97.14	34.01	941.55	3,858.53	3,795.60	62.94	61.306		
11,200.00	7,136.95	7,121.60	7,119.75	125.76	30.44	-97.34	34.01	941.54	3,958.38	3,895.41	62.98	62.856		
11,300.00	7,137.14	7,122.34	7,120.48	128.52	30.45	-97.53	34.00	941.54	4,058.24	3,995.23	63.01	64.404		
11,400.00	7,137.33	7,123.08	7,121.22	131.27	30.45	-97.73	34.00	941.53	4,158.10	4,095.05	63.05	65.948		
11,500.00	7,137.53	7,123.82	7,121.96	134.03	30.45	-97.92	33.99	941.53	4,257.97	4,194.88	63.09	67.489		
11,600.00	7,137.72	7,124.55	7,122.70	136.80	30.46	-98.11	33.98	941.53	4,357.85	4,294.71	63.13	69.027		
11,700.00	7,137.92	7,125.29	7,123.43	139.57	30.46	-98.31	33.98	941.52	4,457.73	4,394.55	63.17	70.562		
11,800.00	7,138.11	7,126.03	7,124.17	142.34	30.46	-98.50	33.97	941.52	4,557.61	4,494.39	63.22	72.093		
11,900.00	7,138.30	7,126.77	7,124.91	145.12	30.47	-98.70	33.97	941.51	4,657.50	4,594.24	63.26	73.621		
12,000.00	7,138.50	7,127.50	7,125.65	147.90	30.47	-98.89	33.96	941.51	4,757.40	4,694.09	63.31	75.146		
12,100.00	7,138.69	7,128.24	7,126.38	150.68	30.47	-99.08	33.95	941.50	4,857.30	4,793.94	63.36	76.667		
12,200.00	7,138.88	7,128.98	7,127.12	153.47	30.47	-99.27	33.95	941.50	4,957.20	4,893.79	63.40	78.184		
12,300.00	7,139.08	7,129.72	7,127.86	156.26	30.48	-99.47	33.94	941.50	5,057.11	4,993.65	63.45	79.698		
12,400.00	7,139.27	7,130.45	7,128.59	159.05	30.48	-99.66	33.94	941.49	5,157.02	5,093.51	63.50	81.207		
12,500.00	7,139.47	7,131.19	7,129.33	161.85	30.48	-99.85	33.93	941.49	5,256.93	5,193.37	63.56	82.714		
12,600.00	7,139.66	7,131.93	7,130.07	164.64	30.49	-100.04	33.93	941.48	5,356.85	5,293.24	63.61	84.216		
12,700.00	7,139.85	7,132.66	7,130.81	167.44	30.49	-100.23	33.92	941.48	5,456.77	5,393.10	63.66	85.714		
12,800.00	7,140.05	7,133.40	7,131.54	170.24	30.49	-100.43	33.91	941.48	5,556.69	5,492.97	63.72	87.209		
12,900.00	7,140.24	7,134.14	7,132.28	173.05	30.50	-100.62	33.91	941.47	5,656.61	5,592.84	63.77	88.699		
13,000.00	7,140.44	7,134.88	7,133.02	175.85	30.50	-100.81	33.90	941.47	5,756.54	5,692.71	63.83	90.185		
13,100.00	7,140.63	7,135.61	7,133.76	178.66	30.50	-101.00	33.90	941.46	5,856.47	5,792.58	63.89	91.668		
13,200.00	7,140.82	7,136.35	7,134.49	181.47	30.51	-101.19	33.89	941.46	5,956.40	5,892.46	63.95	93.146		
13,300.00	7,141.02	7,137.09	7,135.23	184.28	30.51	-101.38	33.89	941.46	6,056.34	5,992.33	64.01	94.619		
13,400.00	7,141.21	7,137.83	7,135.97	187.10	30.51	-101.57	33.88	941.45	6,156.27	6,092.20	64.07	96.089		
13,500.00	7,141.41	7,138.56	7,136.70	189.91	30.52	-101.76	33.87	941.45	6,256.21	6,192.08	64.13	97.554		
13,600.00	7,141.60	7,139.30	7,137.44	192.73	30.52	-101.95	33.87	941.44	6,356.15	6,291.96	64.19	99.015		
13,700.00	7,141.79	7,140.04	7,138.18	195.54	30.52	-102.14	33.86	941.44	6,456.09	6,391.84	64.26	100.471		
13,800.00	7,141.99	7,140.77	7,138.92	198.36	30.52	-102.32	33.86	941.43	6,556.04	6,491.71	64.32	101.923		
13,900.00	7,142.18	7,141.51	7,139.65	201.18	30.53	-102.51	33.85	941.43	6,655.98	6,591.59	64.39	103.370		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,142.25	7,140.39	204.01	30.53	-102.70	33.84	941.43	6,755.93	6,691.47	64.46	104.813		
14,100.00	7,142.57	7,142.99	7,141.13	206.83	30.53	-102.89	33.84	941.42	6,855.88	6,791.35	64.53	106.251		
14,200.00	7,142.76	7,143.72	7,141.86	209.65	30.54	-103.08	33.83	941.42	6,955.83	6,891.23	64.59	107.684		
14,300.00	7,142.96	7,144.46	7,142.60	212.48	30.54	-103.26	33.83	941.41	7,055.78	6,991.11	64.66	109.113		
14,400.00	7,143.15	7,145.20	7,143.34	215.30	30.54	-103.45	33.82	941.41	7,155.73	7,090.99	64.74	110.537		
14,500.00	7,143.34	7,145.93	7,144.08	218.13	30.55	-103.64	33.82	941.41	7,255.68	7,190.88	64.81	111.956		
14,600.00	7,143.54	7,146.67	7,144.81	220.96	30.55	-103.82	33.81	941.40	7,355.64	7,290.76	64.88	113.371		
14,700.00	7,143.73	7,147.41	7,145.55	223.79	30.55	-104.01	33.80	941.40	7,455.59	7,390.64	64.96	114.780		
14,800.00	7,143.93	7,148.14	7,146.29	226.62	30.56	-104.19	33.80	941.39	7,555.55	7,490.52	65.03	116.185		
14,838.32	7,144.00	7,148.43	7,146.57	227.70	30.56	-104.27	33.80	941.39	7,593.86	7,528.80	65.06	116.722		
14,900.00	7,144.12	7,148.89	7,147.03	229.45	30.56	-98.26	33.79	941.39	7,655.49	7,590.38	65.11	117.585		
15,000.00	7,144.32	7,149.66	7,147.80	232.26	30.56	-94.93	33.79	941.38	7,755.26	7,690.08	65.18	118.980		
15,027.81	7,144.37	7,149.88	7,148.02	233.04	30.56	-94.43	33.78	941.38	7,782.96	7,717.76	65.20	119.367		
15,100.00	7,144.51	7,150.45	7,148.59	235.07	30.57	-94.48	33.78	941.38	7,854.84	7,789.58	65.26	120.369		
15,200.00	7,144.71	7,151.24	7,149.38	237.87	30.57	-94.54	33.77	941.38	7,954.42	7,889.09	65.33	121.752		
15,300.00	7,144.91	7,152.03	7,150.17	240.68	30.57	-94.60	33.77	941.37	8,054.01	7,988.60	65.41	123.131		
15,400.00	7,145.10	7,152.82	7,150.96	243.48	30.58	-94.66	33.76	941.37	8,153.61	8,088.12	65.49	124.504		
15,500.00	7,145.30	7,153.61	7,151.75	246.29	30.58	-94.73	33.76	941.36	8,253.22	8,187.65	65.57	125.872		
15,600.00	7,145.50	7,154.40	7,152.54	249.10	30.58	-94.79	33.75	941.36	8,352.84	8,287.19	65.65	127.236		
15,700.00	7,145.69	7,155.19	7,153.33	251.91	30.59	-94.85	33.74	941.35	8,452.47	8,386.74	65.73	128.594		
15,800.00	7,145.89	7,155.98	7,154.13	254.71	30.59	-94.91	33.74	941.35	8,552.11	8,486.30	65.81	129.947		
15,900.00	7,146.09	7,156.78	7,154.92	257.52	30.59	-94.98	33.73	941.35	8,651.75	8,585.86	65.90	131.295		
16,000.00	7,146.28	7,157.57	7,155.71	260.34	30.60	-95.04	33.72	941.34	8,751.41	8,685.43	65.98	132.639		
16,100.00	7,146.48	7,158.36	7,156.50	263.15	30.60	-95.10	33.72	941.34	8,851.07	8,785.00	66.06	133.976		
16,200.00	7,146.68	7,159.15	7,157.29	265.96	30.60	-95.16	33.71	941.33	8,950.74	8,884.59	66.15	135.309		
16,300.00	7,146.87	7,159.94	7,158.08	268.77	30.61	-95.23	33.71	941.33	9,050.41	8,984.18	66.24	136.637		
16,400.00	7,147.07	7,160.73	7,158.87	271.58	30.61	-95.29	33.70	941.32	9,150.10	9,083.77	66.32	137.959		
16,500.00	7,147.27	7,161.52	7,159.66	274.40	30.61	-95.35	33.69	941.32	9,249.79	9,183.37	66.41	139.276		
16,600.00	7,147.46	7,162.31	7,160.45	277.21	30.62	-95.41	33.69	941.31	9,349.48	9,282.98	66.50	140.588		
16,700.00	7,147.66	7,163.10	7,161.24	280.03	30.62	-95.47	33.68	941.31	9,449.18	9,382.59	66.59	141.895		
16,800.00	7,147.86	7,163.89	7,162.03	282.84	30.62	-95.54	33.67	941.31	9,548.89	9,482.21	66.68	143.196		
16,900.00	7,148.05	7,164.69	7,162.83	285.66	30.63	-95.60	33.67	941.30	9,648.61	9,581.83	66.78	144.492		
17,000.00	7,148.25	7,165.48	7,163.62	288.48	30.63	-95.66	33.66	941.30	9,748.33	9,681.46	66.87	145.783		
17,100.00	7,148.45	7,166.27	7,164.41	291.29	30.63	-95.72	33.66	941.29	9,848.05	9,781.09	66.96	147.069		
17,200.00	7,148.64	7,167.06	7,165.20	294.11	30.64	-95.79	33.65	941.29	9,947.79	9,880.73	67.06	148.349		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	106.17	-460.43	1,587.41	1,653.50					
100.00	100.00	59.15	59.15	3.28	3.28	106.17	-460.33	1,587.32	1,652.73	1,646.17	6.57	251.664		
200.00	200.00	155.51	155.51	3.34	3.31	106.16	-459.92	1,587.00	1,652.30	1,645.66	6.65	248.538		
300.00	299.98	251.05	251.05	3.44	3.39	26.20	-459.78	1,587.15	1,650.84	1,644.01	6.83	241.562		
400.00	399.84	353.38	353.37	3.60	3.53	26.32	-459.83	1,587.16	1,646.17	1,639.04	7.13	230.959		
500.00	499.45	444.75	444.75	3.81	3.69	26.51	-459.71	1,587.27	1,638.45	1,630.95	7.49	218.661		
600.00	598.70	528.49	528.48	4.06	3.87	26.73	-459.11	1,588.29	1,628.49	1,620.58	7.92	205.727		
700.00	697.47	613.29	613.26	4.34	4.07	27.01	-458.56	1,590.10	1,616.35	1,607.95	8.40	192.374		
785.50	781.43	685.35	685.29	4.61	4.27	27.31	-458.16	1,592.24	1,604.25	1,595.39	8.86	181.068		
800.00	795.63	697.56	697.49	4.66	4.30	27.35	-458.09	1,592.66	1,602.07	1,593.13	8.94	179.141		
900.00	893.55	789.00	788.86	5.02	4.58	27.60	-457.54	1,596.11	1,587.38	1,577.84	9.54	166.406		
1,000.00	991.47	887.16	886.93	5.40	4.89	27.88	-456.89	1,600.09	1,572.97	1,562.78	10.19	154.291		
1,100.00	1,089.39	982.99	982.68	5.80	5.21	28.14	-456.11	1,604.09	1,558.67	1,547.79	10.88	143.282		
1,200.00	1,187.31	1,069.93	1,069.53	6.21	5.52	28.39	-455.64	1,608.03	1,544.83	1,533.27	11.56	133.629		
1,300.00	1,285.22	1,163.07	1,162.55	6.64	5.85	28.69	-455.94	1,612.70	1,531.74	1,519.45	12.28	124.691		
1,400.00	1,383.14	1,256.68	1,256.03	7.08	6.20	28.98	-456.10	1,617.64	1,518.90	1,505.87	13.03	116.578		
1,500.00	1,481.06	1,348.22	1,347.41	7.52	6.55	29.26	-456.01	1,623.01	1,506.56	1,492.78	13.78	109.296		
1,600.00	1,578.98	1,436.75	1,435.75	7.98	6.90	29.50	-455.46	1,628.84	1,494.79	1,480.24	14.54	102.776		
1,700.00	1,676.90	1,524.28	1,523.02	8.44	7.25	29.74	-455.01	1,635.42	1,483.92	1,468.61	15.31	96.905		
1,800.00	1,774.82	1,620.43	1,618.86	8.90	7.65	29.98	-453.89	1,643.25	1,473.47	1,457.35	16.12	91.380		
1,900.00	1,872.74	1,714.20	1,712.28	9.37	8.04	30.21	-452.97	1,651.16	1,463.39	1,446.45	16.94	86.402		
2,000.00	1,970.66	1,813.62	1,811.37	9.84	8.46	30.50	-452.94	1,659.39	1,453.51	1,435.74	17.78	81.772		
2,100.00	2,068.57	1,919.15	1,916.55	10.32	8.90	30.83	-453.20	1,667.81	1,443.49	1,424.85	18.64	77.434		
2,200.00	2,166.49	2,030.91	2,028.03	10.80	9.36	31.19	-453.36	1,675.81	1,432.71	1,413.18	19.54	73.338		
2,300.00	2,264.41	2,133.91	2,130.78	11.28	9.79	31.52	-452.99	1,682.85	1,421.50	1,401.10	20.40	69.669		
2,400.00	2,362.33	2,237.05	2,233.71	11.76	10.21	31.85	-452.66	1,689.57	1,410.05	1,388.77	21.28	66.274		
2,500.00	2,460.25	2,342.41	2,338.87	12.24	10.64	32.23	-452.74	1,695.89	1,398.32	1,376.16	22.16	63.104		
2,600.00	2,558.17	2,448.10	2,444.42	12.73	11.08	32.63	-453.14	1,701.45	1,386.07	1,363.03	23.05	60.146		
2,700.00	2,656.09	2,545.73	2,541.92	13.22	11.47	33.02	-453.41	1,706.38	1,373.66	1,349.75	23.91	57.457		
2,800.00	2,754.01	2,636.68	2,632.74	13.71	11.85	33.37	-453.67	1,711.33	1,361.68	1,336.93	24.75	55.014		
2,900.00	2,851.92	2,728.04	2,723.92	14.20	12.23	33.73	-454.11	1,716.92	1,350.45	1,324.84	25.60	52.752		
3,000.00	2,949.84	2,825.03	2,820.72	14.69	12.63	34.12	-454.63	1,723.06	1,339.48	1,313.01	26.47	50.602		
3,100.00	3,047.76	2,917.21	2,912.69	15.18	13.02	34.49	-455.34	1,729.21	1,329.00	1,301.67	27.33	48.632		
3,200.00	3,145.68	3,014.94	3,010.18	15.67	13.44	34.90	-456.24	1,736.02	1,318.91	1,290.70	28.21	46.758		
3,300.00	3,243.60	3,119.44	3,114.42	16.17	13.88	35.30	-456.31	1,743.37	1,308.58	1,279.47	29.11	44.949		
3,400.00	3,341.52	3,213.27	3,208.01	16.66	14.28	35.66	-456.30	1,750.12	1,298.43	1,268.44	29.98	43.305		
3,500.00	3,439.44	3,313.65	3,308.13	17.16	14.70	36.08	-456.85	1,757.25	1,288.49	1,257.61	30.88	41.727		
3,600.00	3,537.36	3,417.82	3,412.07	17.65	15.15	36.54	-457.61	1,764.13	1,278.25	1,246.46	31.79	40.211		
3,700.00	3,635.27	3,509.00	3,503.05	18.15	15.53	36.96	-458.63	1,770.13	1,268.26	1,235.60	32.66	38.837		
3,800.00	3,733.19	3,593.77	3,587.58	18.65	15.89	37.37	-460.19	1,776.26	1,259.24	1,225.74	33.50	37.589		
3,900.00	3,831.11	3,676.49	3,670.00	19.14	16.25	37.80	-462.50	1,782.95	1,251.51	1,217.17	34.34	36.449		
4,000.00	3,929.03	3,766.38	3,759.47	19.64	16.64	38.29	-466.12	1,790.77	1,244.98	1,209.78	35.20	35.370		
4,100.00	4,026.95	3,863.51	3,856.12	20.14	17.07	38.88	-471.08	1,799.12	1,239.01	1,202.91	36.09	34.326		
4,200.00	4,124.87	3,967.30	3,959.40	20.64	17.52	39.49	-475.99	1,808.09	1,233.04	1,196.02	37.02	33.306		
4,300.00	4,222.79	4,073.35	4,064.99	21.14	17.99	40.12	-480.47	1,816.92	1,226.67	1,188.71	37.96	32.316		
4,400.00	4,320.71	4,177.14	4,168.37	21.64	18.44	40.72	-484.40	1,825.22	1,219.92	1,181.03	38.89	31.372		
4,500.00	4,418.62	4,279.44	4,270.23	22.14	18.88	41.32	-488.09	1,833.14	1,212.99	1,173.18	39.81	30.470		
4,600.00	4,516.54	4,388.74	4,379.23	22.64	19.35	41.95	-491.28	1,841.40	1,205.69	1,164.93	40.76	29.580		
4,700.00	4,614.46	4,500.47	4,500.69	23.14	19.87	42.70	-494.62	1,848.76	1,197.14	1,155.39	41.75	28.676		
4,800.00	4,712.38	4,627.63	4,617.72	23.64	20.36	43.45	-496.99	1,853.78	1,186.85	1,144.14	42.71	27.790		
4,900.00	4,810.30	4,736.34	4,726.36	24.14	20.81	44.17	-498.75	1,857.38	1,175.73	1,132.09	43.64	26.940		
5,000.00	4,908.22	4,847.51	4,837.49	24.64	21.27	44.93	-499.99	1,859.90	1,163.62	1,119.04	44.58	26.103		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,951.85	4,941.82	25.14	21.70	45.66	-500.73	1,861.61	1,150.93	1,105.43	45.50	25.296		
5,200.00	5,104.06	5,055.37	5,045.32	25.64	22.12	46.40	-501.14	1,862.94	1,137.97	1,091.56	46.42	24.515		
5,300.00	5,201.97	5,151.48	5,141.43	26.14	22.52	47.12	-501.52	1,863.81	1,124.89	1,077.56	47.33	23.766		
5,400.00	5,299.89	5,240.80	5,230.74	26.64	22.89	47.82	-502.53	1,864.81	1,112.59	1,064.35	48.24	23.064		
5,500.00	5,397.81	5,333.46	5,323.37	27.15	23.27	48.60	-504.66	1,865.95	1,101.29	1,052.13	49.15	22.405		
5,600.00	5,495.73	5,435.59	5,425.47	27.65	23.70	49.48	-506.92	1,867.19	1,090.16	1,040.07	50.09	21.766		
5,700.00	5,593.65	5,538.43	5,528.28	28.15	24.12	50.34	-508.41	1,868.51	1,078.85	1,027.83	51.02	21.146		
5,800.00	5,691.57	5,638.08	5,627.92	28.65	24.54	51.18	-509.43	1,869.67	1,067.41	1,015.46	51.95	20.547		
5,900.00	5,789.49	5,734.44	5,724.26	29.15	24.94	51.99	-510.10	1,871.22	1,056.32	1,003.44	52.88	19.977		
6,000.00	5,887.41	5,833.75	5,823.57	29.66	25.35	52.82	-510.67	1,872.99	1,045.49	991.68	53.81	19.430		
6,100.00	5,985.32	5,937.47	5,927.27	30.16	25.78	53.73	-511.29	1,874.40	1,034.61	979.86	54.75	18.897		
6,200.00	6,083.24	6,040.80	6,030.60	30.66	26.22	54.67	-511.63	1,875.07	1,023.27	967.58	55.69	18.375		
6,300.00	6,181.16	6,139.80	6,129.60	31.16	26.63	55.58	-511.70	1,875.76	1,012.05	955.42	56.63	17.873		
6,400.00	6,279.08	6,243.18	6,232.97	31.67	27.06	56.58	-511.93	1,875.88	1,000.80	943.23	57.57	17.385		
6,490.03	6,367.24	6,335.94	6,325.73	32.12	27.45	57.54	-512.17	1,875.09	990.35	931.94	58.42	16.953		
6,500.00	6,377.01	6,345.77	6,335.56	32.17	27.49	58.50	-512.20	1,874.98	989.25	930.74	58.51	16.907		
6,550.00	6,426.43	6,395.48	6,385.26	32.40	27.69	67.08	-512.38	1,874.35	985.37	926.40	58.96	16.711		
6,596.48	6,472.75	6,442.14	6,431.92	32.60	27.89	96.91	-512.61	1,873.68	984.20	924.84	59.36	16.579 CC		
6,600.00	6,476.27	6,445.68	6,435.46	32.61	27.90	101.93	-512.63	1,873.63	984.21	924.81	59.39	16.571 ES		
6,650.00	6,526.21	6,496.05	6,485.82	32.80	28.12	-171.63	-512.95	1,872.79	985.74	925.94	59.79	16.486		
6,700.00	6,575.96	6,546.20	6,535.96	32.98	28.32	-150.37	-513.32	1,871.87	989.94	929.76	60.17	16.452 SF		
6,750.00	6,625.19	6,595.92	6,585.67	33.16	28.53	-143.85	-513.66	1,870.96	996.79	936.25	60.54	16.466		
6,800.00	6,673.62	6,646.35	6,636.09	33.35	28.74	-140.68	-514.02	1,869.94	1,006.26	945.37	60.88	16.527		
6,850.00	6,720.94	6,695.94	6,685.67	33.55	28.95	-138.73	-514.42	1,868.75	1,018.29	957.07	61.22	16.633		
6,900.00	6,766.86	6,744.92	6,734.62	33.76	29.16	-137.32	-514.87	1,867.37	1,032.86	971.32	61.54	16.784		
6,950.00	6,811.10	6,792.50	6,782.17	33.98	29.36	-136.16	-515.37	1,865.79	1,049.97	988.12	61.85	16.977		
7,000.00	6,853.38	6,836.76	6,826.40	34.23	29.54	-135.06	-515.85	1,864.18	1,069.62	1,007.48	62.14	17.214		
7,050.00	6,893.45	6,878.58	6,868.19	34.50	29.72	-133.94	-516.25	1,862.67	1,091.84	1,029.43	62.41	17.495		
7,100.00	6,931.05	6,918.78	6,908.36	34.79	29.89	-132.74	-516.60	1,861.21	1,116.59	1,053.92	62.66	17.819		
7,150.00	6,965.96	6,957.34	6,946.89	35.12	30.05	-131.40	-516.95	1,859.70	1,143.77	1,080.86	62.90	18.183		
7,200.00	6,997.96	6,993.16	6,982.68	35.47	30.20	-129.81	-517.30	1,858.19	1,173.29	1,110.17	63.12	18.588		
7,250.00	7,026.85	7,027.06	7,016.54	35.86	30.35	-127.94	-517.62	1,856.65	1,205.05	1,141.73	63.32	19.030		
7,300.00	7,052.45	7,057.88	7,047.33	36.29	30.48	-125.68	-517.86	1,855.19	1,238.92	1,175.41	63.51	19.508		
7,350.00	7,074.61	7,085.15	7,074.57	36.76	30.59	-122.93	-518.03	1,853.85	1,274.74	1,211.07	63.67	20.021		
7,400.00	7,093.19	7,108.67	7,098.05	37.27	30.69	-119.56	-518.14	1,852.65	1,312.35	1,248.54	63.82	20.565		
7,450.00	7,108.07	7,124.97	7,114.34	37.81	30.76	-115.28	-518.22	1,851.82	1,351.61	1,287.66	63.95	21.137		
7,500.00	7,119.17	7,138.54	7,127.88	38.39	30.82	-110.20	-518.28	1,851.13	1,392.26	1,328.21	64.05	21.736		
7,550.00	7,126.41	7,148.29	7,137.62	38.99	30.86	-104.22	-518.33	1,850.63	1,434.07	1,369.92	64.14	22.357		
7,600.00	7,129.75	7,154.17	7,143.50	39.62	30.89	-97.34	-518.36	1,850.33	1,476.76	1,412.55	64.22	22.997		
7,616.41	7,130.00	7,155.25	7,144.58	39.83	30.89	-94.90	-518.36	1,850.27	1,490.91	1,426.68	64.24	23.210		
7,700.00	7,130.16	7,159.68	7,148.99	40.97	30.91	-95.24	-518.38	1,850.05	1,563.74	1,499.40	64.33	24.307		
7,800.00	7,130.35	7,164.97	7,154.28	42.46	30.94	-95.64	-518.41	1,849.78	1,652.17	1,587.72	64.46	25.631		
7,900.00	7,130.55	7,170.26	7,159.57	44.09	30.96	-96.04	-518.43	1,849.51	1,741.85	1,677.26	64.59	26.968		
8,000.00	7,130.74	7,175.56	7,164.85	45.84	30.98	-96.44	-518.45	1,849.24	1,832.58	1,767.85	64.72	28.315		
8,100.00	7,130.94	7,180.85	7,170.14	47.70	31.00	-96.84	-518.48	1,848.97	1,924.21	1,859.36	64.85	29.670		
8,200.00	7,131.13	7,186.14	7,175.42	49.65	31.03	-97.24	-518.50	1,848.69	2,016.62	1,951.64	64.98	31.033		
8,300.00	7,131.32	7,191.44	7,180.71	51.70	31.05	-97.64	-518.53	1,848.42	2,109.71	2,044.60	65.11	32.402		
8,400.00	7,131.52	7,196.73	7,186.00	53.81	31.07	-98.04	-518.55	1,848.15	2,203.40	2,138.17	65.23	33.777		
8,500.00	7,131.71	7,202.02	7,191.28	55.99	31.09	-98.44	-518.58	1,847.88	2,297.61	2,232.25	65.35	35.156		
8,600.00	7,131.90	7,207.32	7,196.57	58.24	31.12	-98.83	-518.60	1,847.61	2,392.27	2,326.80	65.47	36.540		
8,700.00	7,132.10	7,212.61	7,201.85	60.53	31.14	-99.23	-518.63	1,847.34	2,487.34	2,421.76	65.58	37.926		
8,800.00	7,132.29	7,217.90	7,207.14	62.87	31.16	-99.62	-518.65	1,847.07	2,582.77	2,517.08	65.69	39.316		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.49	7,223.19	7,212.43	65.25	31.19	-100.01	-518.67	1,846.80	2,678.53	2,612.73	65.80	40.708		
9,000.00	7,132.68	7,228.49	7,217.71	67.68	31.21	-100.41	-518.70	1,846.53	2,774.57	2,708.67	65.90	42.101		
9,100.00	7,132.87	7,233.78	7,223.00	70.13	31.23	-100.80	-518.72	1,846.26	2,870.88	2,804.87	66.00	43.496		
9,200.00	7,133.07	7,239.07	7,228.28	72.61	31.25	-101.19	-518.75	1,845.99	2,967.42	2,901.31	66.10	44.893		
9,300.00	7,133.26	7,244.37	7,233.57	75.13	31.28	-101.58	-518.77	1,845.72	3,064.17	2,997.97	66.20	46.290		
9,400.00	7,133.46	7,249.66	7,238.86	77.66	31.30	-101.96	-518.80	1,845.45	3,161.11	3,094.83	66.29	47.687		
9,500.00	7,133.65	7,254.95	7,244.14	80.22	31.32	-102.35	-518.82	1,845.18	3,258.24	3,191.86	66.38	49.085		
9,600.00	7,133.84	7,260.24	7,249.43	82.80	31.35	-102.74	-518.85	1,844.91	3,355.52	3,289.05	66.47	50.483		
9,700.00	7,134.04	7,265.54	7,254.72	85.40	31.37	-103.12	-518.87	1,844.64	3,452.95	3,386.39	66.56	51.881		
9,800.00	7,134.23	7,270.83	7,260.00	88.01	31.39	-103.50	-518.89	1,844.37	3,550.51	3,483.87	66.64	53.278		
9,900.00	7,134.43	7,276.12	7,265.29	90.64	31.41	-103.89	-518.92	1,844.10	3,648.20	3,581.48	66.73	54.675		
10,000.00	7,134.62	7,281.42	7,270.57	93.28	31.44	-104.27	-518.94	1,843.83	3,746.00	3,679.20	66.81	56.071		
10,100.00	7,134.81	7,286.71	7,275.86	95.94	31.46	-104.65	-518.97	1,843.56	3,843.91	3,777.02	66.89	57.466		
10,200.00	7,135.01	7,292.00	7,281.15	98.61	31.48	-105.02	-518.99	1,843.29	3,941.92	3,874.95	66.97	58.859		
10,300.00	7,135.20	7,297.30	7,286.43	101.28	31.50	-105.40	-519.02	1,843.01	4,040.02	3,972.97	67.05	60.252		
10,400.00	7,135.39	7,302.59	7,291.72	103.97	31.53	-105.78	-519.04	1,842.74	4,138.20	4,071.07	67.13	61.643		
10,500.00	7,135.59	7,307.88	7,297.00	106.67	31.55	-106.15	-519.06	1,842.47	4,236.46	4,169.25	67.21	63.033		
10,600.00	7,135.78	7,313.17	7,302.29	109.38	31.57	-106.52	-519.09	1,842.20	4,334.79	4,267.51	67.29	64.421		
10,700.00	7,135.98	7,318.47	7,307.58	112.09	31.60	-106.89	-519.11	1,841.93	4,433.20	4,365.83	67.37	65.807		
10,800.00	7,136.17	7,323.76	7,312.86	114.81	31.62	-107.26	-519.14	1,841.66	4,531.66	4,464.22	67.44	67.192		
10,900.00	7,136.36	7,329.05	7,318.15	117.54	31.64	-107.63	-519.16	1,841.39	4,630.19	4,562.67	67.52	68.574		
11,000.00	7,136.56	7,334.35	7,323.43	120.28	31.66	-108.00	-519.19	1,841.12	4,728.77	4,661.17	67.60	69.955		
11,100.00	7,136.75	7,339.64	7,328.72	123.02	31.69	-108.36	-519.21	1,840.85	4,827.40	4,759.73	67.67	71.333		
11,200.00	7,136.95	7,344.93	7,334.01	125.76	31.71	-108.73	-519.24	1,840.58	4,926.09	4,858.33	67.75	72.709		
11,300.00	7,137.14	7,350.23	7,339.29	128.52	31.73	-109.09	-519.26	1,840.31	5,024.82	4,956.99	67.83	74.082		
11,400.00	7,137.33	7,355.52	7,344.58	131.27	31.76	-109.45	-519.28	1,840.04	5,123.59	5,055.69	67.90	75.454		
11,500.00	7,137.53	7,360.81	7,349.86	134.03	31.78	-109.81	-519.31	1,839.77	5,222.40	5,154.42	67.98	76.822		
11,600.00	7,137.72	7,366.10	7,355.15	136.80	31.80	-110.16	-519.33	1,839.50	5,321.26	5,253.20	68.06	78.188		
11,700.00	7,137.92	7,371.40	7,360.44	139.57	31.82	-110.52	-519.36	1,839.23	5,420.15	5,352.01	68.13	79.552		
11,800.00	7,138.11	7,376.69	7,365.72	142.34	31.85	-110.87	-519.38	1,838.96	5,519.07	5,450.86	68.21	80.912		
11,900.00	7,138.30	7,381.98	7,371.01	145.12	31.87	-111.22	-519.41	1,838.69	5,618.03	5,549.74	68.29	82.270		
12,000.00	7,138.50	7,387.28	7,376.29	147.90	31.89	-111.57	-519.43	1,838.42	5,717.02	5,648.66	68.37	83.625		
12,100.00	7,138.69	7,392.57	7,381.58	150.68	31.91	-111.92	-519.46	1,838.15	5,816.04	5,747.60	68.44	84.977		
12,200.00	7,138.88	7,397.86	7,386.87	153.47	31.94	-112.27	-519.48	1,837.88	5,915.09	5,846.57	68.52	86.325		
12,300.00	7,139.08	7,403.16	7,392.15	156.26	31.96	-112.61	-519.50	1,837.61	6,014.17	5,945.57	68.60	87.671		
12,400.00	7,139.27	7,408.45	7,397.44	159.05	31.98	-112.96	-519.53	1,837.33	6,113.27	6,044.59	68.68	89.014		
12,500.00	7,139.47	7,383.00	7,372.02	161.85	31.87	-111.29	-519.41	1,838.64	6,212.47	6,143.76	68.70	90.426		
12,600.00	7,139.66	7,383.00	7,372.02	164.64	31.87	-111.29	-519.41	1,838.64	6,311.64	6,242.87	68.77	91.778		
12,700.00	7,139.85	7,383.00	7,372.02	167.44	31.87	-111.29	-519.41	1,838.64	6,410.84	6,342.00	68.84	93.126		
12,800.00	7,140.05	7,383.00	7,372.02	170.24	31.87	-111.29	-519.41	1,838.64	6,510.07	6,441.16	68.91	94.472		
12,900.00	7,140.24	7,383.00	7,372.02	173.05	31.87	-111.29	-519.41	1,838.64	6,609.31	6,540.34	68.98	95.815		
13,000.00	7,140.44	7,383.00	7,372.02	175.85	31.87	-111.29	-519.41	1,838.64	6,708.59	6,639.54	69.05	97.156		
13,100.00	7,140.63	7,383.00	7,372.02	178.66	31.87	-111.29	-519.41	1,838.64	6,807.88	6,738.76	69.12	98.494		
13,200.00	7,140.82	7,383.00	7,372.02	181.47	31.87	-111.29	-519.41	1,838.64	6,907.19	6,838.00	69.19	99.828		
13,300.00	7,141.02	7,383.00	7,372.02	184.28	31.87	-111.29	-519.41	1,838.64	7,006.52	6,937.26	69.26	101.160		
13,400.00	7,141.21	7,383.00	7,372.02	187.10	31.87	-111.29	-519.41	1,838.64	7,105.87	7,036.54	69.33	102.489		
13,500.00	7,141.41	7,383.00	7,372.02	189.91	31.87	-111.29	-519.41	1,838.64	7,205.24	7,135.84	69.40	103.815		
13,600.00	7,141.60	7,383.00	7,372.02	192.73	31.87	-111.29	-519.41	1,838.64	7,304.63	7,235.15	69.48	105.138		
13,700.00	7,141.79	7,383.00	7,372.02	195.54	31.87	-111.29	-519.41	1,838.64	7,404.03	7,334.48	69.55	106.457		
13,800.00	7,141.99	7,383.00	7,372.02	198.36	31.87	-111.29	-519.41	1,838.64	7,503.45	7,433.82	69.62	107.774		
13,900.00	7,142.18	7,383.00	7,372.02	201.18	31.87	-111.29	-519.41	1,838.64	7,602.88	7,533.19	69.70	109.087		
14,000.00	7,142.37	7,383.00	7,372.02	204.01	31.87	-111.29	-519.41	1,838.64	7,702.33	7,632.56	69.77	110.397		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,383.00	7,372.02	206.83	31.87	-111.29	-519.41	1,838.64	7,801.79	7,731.95	69.84	111.704		
14,200.00	7,142.76	7,383.00	7,372.02	209.65	31.87	-111.29	-519.41	1,838.64	7,901.27	7,831.35	69.92	113.007		
14,300.00	7,142.96	7,383.00	7,372.02	212.48	31.87	-111.29	-519.41	1,838.64	8,000.76	7,930.76	69.99	114.307		
14,400.00	7,143.15	7,383.00	7,372.02	215.30	31.87	-111.29	-519.41	1,838.64	8,100.26	8,030.19	70.07	115.604		
14,500.00	7,143.34	7,383.00	7,372.02	218.13	31.87	-111.29	-519.41	1,838.64	8,199.77	8,129.63	70.15	116.897		
14,600.00	7,143.54	7,383.00	7,372.02	220.96	31.87	-111.29	-519.41	1,838.64	8,299.30	8,229.07	70.22	118.187		
14,700.00	7,143.73	7,383.00	7,372.02	223.79	31.87	-111.29	-519.41	1,838.64	8,398.83	8,328.53	70.30	119.473		
14,800.00	7,143.93	7,383.00	7,372.02	226.62	31.87	-111.29	-519.41	1,838.64	8,498.38	8,428.00	70.38	120.756		
14,838.32	7,144.00	7,383.00	7,372.02	227.70	31.87	-111.29	-519.41	1,838.64	8,536.53	8,466.12	70.41	121.246		
14,900.00	7,144.12	7,383.00	7,372.02	229.45	31.87	-107.38	-519.41	1,838.64	8,597.88	8,527.42	70.46	122.033		
15,000.00	7,144.32	7,383.00	7,372.02	232.26	31.87	-103.33	-519.41	1,838.64	8,697.03	8,626.49	70.54	123.299		
15,027.81	7,144.37	7,383.00	7,372.02	233.04	31.87	-102.51	-519.41	1,838.64	8,724.52	8,653.97	70.56	123.649		
15,100.00	7,144.51	7,383.00	7,372.02	235.07	31.87	-102.51	-519.41	1,838.64	8,795.86	8,725.24	70.62	124.553		
15,200.00	7,144.71	7,383.00	7,372.02	237.87	31.87	-102.51	-519.41	1,838.64	8,894.69	8,823.99	70.70	125.802		
15,300.00	7,144.91	7,383.00	7,372.02	240.68	31.87	-102.51	-519.41	1,838.64	8,993.55	8,922.76	70.79	127.048		
15,400.00	7,145.10	7,383.00	7,372.02	243.48	31.87	-102.51	-519.41	1,838.64	9,092.44	9,021.56	70.87	128.290		
15,500.00	7,145.30	7,383.00	7,372.02	246.29	31.87	-102.51	-519.41	1,838.64	9,191.35	9,120.39	70.96	129.529		
15,600.00	7,145.50	7,383.00	7,372.02	249.10	31.87	-102.51	-519.41	1,838.64	9,290.28	9,219.23	71.05	130.765		
15,700.00	7,145.69	7,383.00	7,372.02	251.91	31.87	-102.51	-519.41	1,838.64	9,389.24	9,318.10	71.13	131.996		
15,800.00	7,145.89	7,383.00	7,372.02	254.71	31.87	-102.51	-519.41	1,838.64	9,488.21	9,416.99	71.22	133.225		
15,900.00	7,146.09	7,383.00	7,372.02	257.52	31.87	-102.51	-519.41	1,838.64	9,587.21	9,515.91	71.31	134.449		
16,000.00	7,146.28	7,383.00	7,372.02	260.34	31.87	-102.51	-519.41	1,838.64	9,686.23	9,614.84	71.40	135.671		
16,100.00	7,146.48	7,383.00	7,372.02	263.15	31.87	-102.51	-519.41	1,838.64	9,785.27	9,713.79	71.48	136.888		
16,200.00	7,146.68	7,383.00	7,372.02	265.96	31.87	-102.51	-519.41	1,838.64	9,884.33	9,812.76	71.57	138.102		
16,300.00	7,146.87	7,383.00	7,372.02	268.77	31.87	-102.51	-519.41	1,838.64	9,983.41	9,911.74	71.66	139.312		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-163.17	-3,412.07	-1,032.16	3,564.85					
100.00	100.00	75.00	75.00	3.28	3.53	-163.17	-3,412.07	-1,032.16	3,564.77	3,557.95	6.82	522.975		
200.00	200.00	175.00	175.00	3.34	5.46	-163.17	-3,412.07	-1,032.16	3,564.77	3,555.97	8.80	405.270 CC		
300.00	299.98	274.98	274.98	3.44	8.51	116.84	-3,412.07	-1,032.16	3,565.55	3,553.60	11.95	298.262		
400.00	399.84	374.84	374.84	3.60	11.80	116.87	-3,412.07	-1,032.16	3,567.92	3,552.52	15.40	231.619		
500.00	499.45	474.45	474.45	3.81	15.18	116.93	-3,412.07	-1,032.16	3,571.88	3,552.90	18.98	188.193		
600.00	598.70	573.70	573.70	4.06	18.57	117.00	-3,412.07	-1,032.16	3,577.44	3,554.81	22.63	158.116		
700.00	697.47	672.47	672.47	4.34	21.98	117.09	-3,412.07	-1,032.16	3,584.62	3,558.31	26.31	136.221		
785.50	781.43	756.43	756.43	4.61	24.88	117.19	-3,412.07	-1,032.16	3,592.07	3,562.58	29.49	121.797		
800.00	795.63	770.63	770.63	4.66	25.37	117.23	-3,412.07	-1,032.16	3,593.44	3,563.41	30.03	119.648		
900.00	893.55	868.55	868.55	5.02	28.76	117.51	-3,412.07	-1,032.16	3,602.93	3,569.15	33.78	106.662		
1,000.00	991.47	966.47	966.47	5.40	32.16	117.79	-3,412.07	-1,032.16	3,612.50	3,574.95	37.55	96.197		
1,100.00	1,089.39	1,064.39	1,064.39	5.80	35.56	118.07	-3,412.07	-1,032.16	3,622.16	3,580.81	41.35	87.598		
1,200.00	1,187.31	1,162.31	1,162.31	6.21	38.97	118.35	-3,412.07	-1,032.16	3,631.91	3,586.75	45.16	80.416		
1,300.00	1,285.22	1,260.22	1,260.22	6.64	42.38	118.62	-3,412.07	-1,032.16	3,641.75	3,592.76	48.99	74.332		
1,400.00	1,383.14	1,358.14	1,358.14	7.08	45.79	118.90	-3,412.07	-1,032.16	3,651.68	3,598.84	52.83	69.117		
1,500.00	1,481.06	1,456.06	1,456.06	7.52	49.20	119.17	-3,412.07	-1,032.16	3,661.69	3,605.00	56.68	64.599		
1,600.00	1,578.98	1,553.98	1,553.98	7.98	52.61	119.45	-3,412.07	-1,032.16	3,671.78	3,611.24	60.54	60.650		
1,700.00	1,676.90	1,651.90	1,651.90	8.44	56.02	119.72	-3,412.07	-1,032.16	3,681.96	3,617.56	64.40	57.169		
1,800.00	1,774.82	1,749.82	1,749.82	8.90	59.43	119.99	-3,412.07	-1,032.16	3,692.22	3,623.95	68.27	54.079		
1,900.00	1,872.74	1,847.74	1,847.74	9.37	62.84	120.25	-3,412.07	-1,032.16	3,702.57	3,630.42	72.15	51.319		
2,000.00	1,970.66	1,945.66	1,945.66	9.84	66.26	120.52	-3,412.07	-1,032.16	3,713.00	3,636.97	76.03	48.838		
2,100.00	2,068.57	2,043.57	2,043.57	10.32	69.67	120.78	-3,412.07	-1,032.16	3,723.50	3,643.60	79.91	46.598		
2,200.00	2,166.49	2,141.49	2,141.49	10.80	73.09	121.05	-3,412.07	-1,032.16	3,734.09	3,650.30	83.79	44.564		
2,300.00	2,264.41	2,239.41	2,239.41	11.28	76.50	121.31	-3,412.07	-1,032.16	3,744.76	3,657.09	87.68	42.711		
2,400.00	2,362.33	2,337.33	2,337.33	11.76	79.92	121.57	-3,412.07	-1,032.16	3,755.51	3,663.95	91.57	41.014		
2,500.00	2,460.25	2,435.25	2,435.25	12.24	83.33	121.83	-3,412.07	-1,032.16	3,766.34	3,670.88	95.46	39.456		
2,600.00	2,558.17	2,533.17	2,533.17	12.73	86.75	122.09	-3,412.07	-1,032.16	3,777.25	3,677.90	99.35	38.020		
2,700.00	2,656.09	2,631.09	2,631.09	13.22	90.17	122.34	-3,412.07	-1,032.16	3,788.23	3,684.99	103.24	36.693		
2,800.00	2,754.01	2,729.01	2,729.01	13.71	93.58	122.60	-3,412.07	-1,032.16	3,799.29	3,692.15	107.14	35.462		
2,900.00	2,851.92	2,826.92	2,826.92	14.20	97.00	122.85	-3,412.07	-1,032.16	3,810.42	3,699.39	111.03	34.318		
3,000.00	2,949.84	2,924.84	2,924.84	14.69	100.41	123.10	-3,412.07	-1,032.16	3,821.63	3,706.71	114.93	33.253		
3,100.00	3,047.76	3,022.76	3,022.76	15.18	103.83	123.35	-3,412.07	-1,032.16	3,832.92	3,714.10	118.82	32.257		
3,200.00	3,145.68	3,120.68	3,120.68	15.67	107.25	123.60	-3,412.07	-1,032.16	3,844.28	3,721.56	122.72	31.325		
3,300.00	3,243.60	3,218.60	3,218.60	16.17	110.66	123.85	-3,412.07	-1,032.16	3,855.71	3,729.09	126.62	30.451		
3,400.00	3,341.52	3,316.52	3,316.52	16.66	114.08	124.10	-3,412.07	-1,032.16	3,867.22	3,736.70	130.52	29.629		
3,500.00	3,439.44	3,414.44	3,414.44	17.16	117.50	124.34	-3,412.07	-1,032.16	3,878.80	3,744.38	134.42	28.856		
3,600.00	3,537.36	3,512.36	3,512.36	17.65	120.92	124.59	-3,412.07	-1,032.16	3,890.45	3,752.13	138.32	28.127		
3,700.00	3,635.27	3,610.27	3,610.27	18.15	124.33	124.83	-3,412.07	-1,032.16	3,902.17	3,759.95	142.22	27.438		
3,800.00	3,733.19	3,708.19	3,708.19	18.65	127.75	125.07	-3,412.07	-1,032.16	3,913.96	3,767.84	146.12	26.786		
3,900.00	3,831.11	3,806.11	3,806.11	19.14	131.17	125.31	-3,412.07	-1,032.16	3,925.82	3,775.80	150.02	26.169		
4,000.00	3,929.03	3,904.03	3,904.03	19.64	134.58	125.54	-3,412.07	-1,032.16	3,937.75	3,783.83	153.92	25.583		
4,100.00	4,026.95	4,001.95	4,001.95	20.14	138.00	125.78	-3,412.07	-1,032.16	3,949.74	3,791.92	157.82	25.027		
4,200.00	4,124.87	4,100.13	4,099.87	20.64	141.43	126.02	-3,412.07	-1,032.16	3,961.81	3,800.08	161.73	24.496		
4,300.00	4,222.79	4,202.21	4,197.79	21.14	144.99	126.25	-3,412.07	-1,032.16	3,973.94	3,808.16	165.78	23.972		
4,400.00	4,320.71	4,304.29	4,295.71	21.64	148.55	126.48	-3,412.07	-1,032.16	3,986.14	3,816.31	169.82	23.472		
4,500.00	4,418.62	4,406.38	4,393.62	22.14	152.12	126.71	-3,412.07	-1,032.16	3,998.40	3,824.53	173.87	22.997		
4,600.00	4,516.54	4,508.46	4,491.54	22.64	155.68	126.94	-3,412.07	-1,032.16	4,010.73	3,832.81	177.92	22.543		
4,700.00	4,614.46	4,589.46	4,589.46	23.14	158.51	127.17	-3,412.07	-1,032.16	4,023.12	3,841.90	181.23	22.199		
4,800.00	4,712.38	4,687.38	4,687.38	23.64	161.92	127.40	-3,412.07	-1,032.16	4,035.58	3,850.45	185.13	21.799		
4,900.00	4,810.30	4,785.30	4,785.30	24.14	165.34	127.62	-3,412.07	-1,032.16	4,048.10	3,859.07	189.03	21.415		
5,000.00	4,908.22	4,883.22	4,883.22	24.64	168.76	127.85	-3,412.07	-1,032.16	4,060.69	3,867.76	192.93	21.047		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,981.14	4,981.14	25.14	172.18	128.07	-3,412.07	-1,032.16	4,073.33	3,876.50	196.83	20.695		
5,200.00	5,104.06	5,079.06	5,079.06	25.64	175.60	128.29	-3,412.07	-1,032.16	4,086.04	3,885.31	200.73	20.356		
5,300.00	5,201.97	5,176.97	5,176.97	26.14	179.01	128.51	-3,412.07	-1,032.16	4,098.81	3,894.18	204.63	20.030		
5,400.00	5,299.89	5,274.89	5,274.89	26.64	182.43	128.73	-3,412.07	-1,032.16	4,111.64	3,903.10	208.53	19.717		
5,500.00	5,397.81	5,372.81	5,372.81	27.15	185.85	128.94	-3,412.07	-1,032.16	4,124.53	3,912.09	212.43	19.415		
5,600.00	5,495.73	5,470.73	5,470.73	27.65	189.27	129.16	-3,412.07	-1,032.16	4,137.48	3,921.14	216.34	19.125		
5,700.00	5,593.65	5,568.65	5,568.65	28.15	192.68	129.37	-3,412.07	-1,032.16	4,150.48	3,930.25	220.24	18.846		
5,800.00	5,691.57	5,666.57	5,666.57	28.65	196.10	129.59	-3,412.07	-1,032.16	4,163.55	3,939.41	224.14	18.576		
5,900.00	5,789.49	5,764.49	5,764.49	29.15	199.52	129.80	-3,412.07	-1,032.16	4,176.67	3,948.64	228.04	18.316		
6,000.00	5,887.41	5,862.41	5,862.41	29.66	202.94	130.01	-3,412.07	-1,032.16	4,189.85	3,957.92	231.94	18.065		
6,100.00	5,985.32	5,960.32	5,960.32	30.16	206.36	130.22	-3,412.07	-1,032.16	4,203.09	3,967.25	235.84	17.822		
6,200.00	6,083.24	6,058.24	6,058.24	30.66	209.77	130.43	-3,412.07	-1,032.16	4,216.39	3,976.65	239.74	17.588		
6,300.00	6,181.16	6,156.16	6,156.16	31.16	213.19	130.63	-3,412.07	-1,032.16	4,229.74	3,986.10	243.64	17.361		
6,400.00	6,279.08	6,254.08	6,254.08	31.67	216.61	130.84	-3,412.07	-1,032.16	4,243.14	3,995.60	247.54	17.141		
6,490.03	6,367.24	6,342.24	6,342.24	32.12	219.69	131.02	-3,412.07	-1,032.16	4,255.25	4,004.21	251.05	16.950		
6,500.00	6,377.01	6,352.01	6,352.01	32.17	220.03	132.07	-3,412.07	-1,032.16	4,256.56	4,005.12	251.44	16.929		
6,550.00	6,426.43	6,401.43	6,401.43	32.40	221.75	140.98	-3,412.07	-1,032.16	4,261.95	4,008.56	253.39	16.820		
6,600.00	6,476.27	6,451.27	6,451.27	32.61	223.49	175.94	-3,412.07	-1,032.16	4,265.38	4,010.04	255.34	16.705		
6,650.00	6,526.21	6,501.21	6,501.21	32.80	225.24	-97.74	-3,412.07	-1,032.16	4,266.81	4,009.54	257.27	16.585		
6,700.00	6,575.96	6,550.96	6,550.96	32.98	226.97	-76.80	-3,412.07	-1,032.16	4,266.25	4,007.07	259.18	16.460		
6,750.00	6,625.19	6,600.19	6,600.19	33.16	228.69	-70.82	-3,412.07	-1,032.16	4,263.71	4,002.63	261.08	16.331		
6,800.00	6,673.62	6,648.62	6,648.62	33.35	230.38	-68.40	-3,412.07	-1,032.16	4,259.22	3,996.27	262.96	16.197		
6,850.00	6,720.94	6,704.06	6,695.94	33.55	232.32	-67.43	-3,412.07	-1,032.16	4,252.85	3,987.77	265.08	16.044		
6,900.00	6,766.86	6,741.86	6,741.86	33.76	233.64	-67.24	-3,412.07	-1,032.16	4,244.65	3,978.06	266.59	15.922		
6,950.00	6,811.10	6,786.10	6,786.10	33.98	235.18	-67.57	-3,412.07	-1,032.16	4,234.72	3,966.38	268.34	15.781		
7,000.00	6,853.38	6,828.38	6,828.38	34.23	236.66	-68.28	-3,412.07	-1,032.16	4,223.18	3,953.14	270.04	15.639		
7,050.00	6,893.45	6,868.45	6,868.45	34.50	238.06	-69.28	-3,412.07	-1,032.16	4,210.13	3,938.46	271.67	15.497		
7,100.00	6,931.05	6,906.05	6,906.05	34.79	239.37	-70.54	-3,412.07	-1,032.16	4,195.71	3,922.47	273.24	15.355		
7,150.00	6,965.96	6,940.96	6,940.96	35.12	240.59	-72.01	-3,412.07	-1,032.16	4,180.08	3,905.33	274.74	15.214		
7,200.00	6,997.96	6,972.96	6,972.96	35.47	241.70	-73.65	-3,412.07	-1,032.16	4,163.37	3,887.20	276.17	15.075		
7,250.00	7,026.85	7,001.85	7,001.85	35.86	242.71	-75.44	-3,412.07	-1,032.16	4,145.75	3,868.22	277.53	14.938		
7,300.00	7,052.45	7,027.45	7,027.45	36.29	243.61	-77.34	-3,412.07	-1,032.16	4,127.39	3,848.59	278.81	14.804		
7,350.00	7,074.61	7,049.61	7,049.61	36.76	244.38	-79.31	-3,412.07	-1,032.16	4,108.46	3,828.45	280.01	14.673		
7,400.00	7,093.19	7,068.19	7,068.19	37.27	245.03	-81.34	-3,412.07	-1,032.16	4,089.11	3,807.99	281.12	14.546		
7,450.00	7,108.07	7,083.07	7,083.07	37.81	245.55	-83.38	-3,412.07	-1,032.16	4,069.51	3,787.36	282.15	14.423		
7,500.00	7,119.17	7,105.83	7,109.17	38.39	246.34	-85.41	-3,412.07	-1,032.16	4,049.83	3,766.34	283.49	14.286		
7,550.00	7,126.41	7,101.41	7,101.41	38.99	246.19	-87.41	-3,412.07	-1,032.16	4,030.21	3,746.29	283.92	14.195		
7,600.00	7,129.75	7,104.75	7,104.75	39.62	246.30	-89.34	-3,412.07	-1,032.16	4,010.80	3,726.15	284.64	14.091		
7,616.41	7,130.00	7,105.00	7,105.00	39.83	246.31	-89.95	-3,412.07	-1,032.16	4,004.50	3,719.64	284.86	14.058		
7,700.00	7,130.16	7,105.16	7,105.16	40.97	246.32	-89.96	-3,412.07	-1,032.16	3,973.25	3,687.26	285.99	13.893		
7,800.00	7,130.35	7,105.35	7,105.35	42.46	246.32	-89.96	-3,412.07	-1,032.16	3,937.87	3,650.38	287.49	13.697		
7,900.00	7,130.55	7,105.55	7,105.55	44.09	246.33	-89.96	-3,412.07	-1,032.16	3,904.73	3,615.57	289.16	13.504		
8,000.00	7,130.74	7,105.74	7,105.74	45.84	246.34	-89.97	-3,412.07	-1,032.16	3,873.89	3,582.92	290.97	13.314		
8,100.00	7,130.94	7,105.94	7,105.94	47.70	246.35	-89.97	-3,412.07	-1,032.16	3,845.41	3,552.49	292.92	13.128		
8,200.00	7,131.13	7,106.13	7,106.13	49.65	246.35	-89.97	-3,412.07	-1,032.16	3,819.33	3,524.35	294.98	12.948		
8,300.00	7,131.32	7,106.32	7,106.32	51.70	246.36	-89.97	-3,412.07	-1,032.16	3,795.71	3,498.57	297.14	12.774		
8,400.00	7,131.52	7,106.52	7,106.52	53.81	246.37	-89.98	-3,412.07	-1,032.16	3,774.59	3,475.19	299.40	12.607		
8,500.00	7,131.71	7,106.71	7,106.71	55.99	246.37	-89.98	-3,412.07	-1,032.16	3,756.01	3,454.29	301.72	12.449		
8,600.00	7,131.90	7,106.90	7,106.90	58.24	246.38	-89.98	-3,412.07	-1,032.16	3,740.02	3,435.91	304.11	12.298		
8,700.00	7,132.10	7,107.10	7,107.10	60.53	246.39	-89.99	-3,412.07	-1,032.16	3,726.64	3,420.09	306.55	12.157		
8,800.00	7,132.29	7,107.29	7,107.29	62.87	246.39	-89.99	-3,412.07	-1,032.16	3,715.91	3,406.89	309.02	12.025		
8,900.00	7,132.49	7,107.49	7,107.49	65.25	246.40	-89.99	-3,412.07	-1,032.16	3,707.84	3,396.33	311.52	11.903		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,107.68	7,107.68	67.68	246.41	-90.00	-3,412.07	-1,032.16	3,702.46	3,388.44	314.02	11.790		
9,100.00	7,132.87	7,107.87	7,107.87	70.13	246.41	-90.00	-3,412.07	-1,032.16	3,699.77	3,383.24	316.53	11.688		
9,149.42	7,132.97	7,107.97	7,107.97	71.36	246.42	-90.00	-3,412.07	-1,032.16	3,699.44	3,381.67	317.77	11.642		
9,200.00	7,133.07	7,108.07	7,108.07	72.61	246.42	-90.00	-3,412.07	-1,032.16	3,699.79	3,380.76	319.03	11.597 ES		
9,300.00	7,133.26	7,108.26	7,108.26	75.13	246.43	-90.00	-3,412.07	-1,032.16	3,702.51	3,380.99	321.51	11.516		
9,400.00	7,133.46	7,108.46	7,108.46	77.66	246.43	-90.01	-3,412.07	-1,032.16	3,707.92	3,383.95	323.97	11.445		
9,500.00	7,133.65	7,108.65	7,108.65	80.22	246.44	-90.01	-3,412.07	-1,032.16	3,716.02	3,389.63	326.39	11.385		
9,600.00	7,133.84	7,108.84	7,108.84	82.80	246.45	-90.01	-3,412.07	-1,032.16	3,726.78	3,398.02	328.76	11.336		
9,700.00	7,134.04	7,109.04	7,109.04	85.40	246.45	-90.02	-3,412.07	-1,032.16	3,740.19	3,409.10	331.09	11.297		
9,800.00	7,134.23	7,109.23	7,109.23	88.01	246.46	-90.02	-3,412.07	-1,032.16	3,756.21	3,422.85	333.36	11.268		
9,900.00	7,134.43	7,109.43	7,109.43	90.64	246.47	-90.02	-3,412.07	-1,032.16	3,774.82	3,439.24	335.58	11.249		
10,000.00	7,134.62	7,109.62	7,109.62	93.28	246.47	-90.03	-3,412.07	-1,032.16	3,795.97	3,458.24	337.72	11.240 SF		
10,100.00	7,134.81	7,109.81	7,109.81	95.94	246.48	-90.03	-3,412.07	-1,032.16	3,819.62	3,479.81	339.80	11.241		
10,200.00	7,135.01	7,110.01	7,110.01	98.61	246.49	-90.03	-3,412.07	-1,032.16	3,845.73	3,503.91	341.81	11.251		
10,300.00	7,135.20	7,110.20	7,110.20	101.28	246.49	-90.03	-3,412.07	-1,032.16	3,874.24	3,530.49	343.75	11.271		
10,400.00	7,135.39	7,110.39	7,110.39	103.97	246.50	-90.04	-3,412.07	-1,032.16	3,905.10	3,559.49	345.61	11.299		
10,500.00	7,135.59	7,110.59	7,110.59	106.67	246.51	-90.04	-3,412.07	-1,032.16	3,938.27	3,590.87	347.39	11.337		
10,600.00	7,135.78	7,110.78	7,110.78	109.38	246.51	-90.04	-3,412.07	-1,032.16	3,973.67	3,624.57	349.10	11.383		
10,700.00	7,135.98	7,110.98	7,110.98	112.09	246.52	-90.05	-3,412.07	-1,032.16	4,011.26	3,660.53	350.73	11.437		
10,800.00	7,136.17	7,111.17	7,111.17	114.81	246.53	-90.05	-3,412.07	-1,032.16	4,050.96	3,698.68	352.29	11.499		
10,900.00	7,136.36	7,111.36	7,111.36	117.54	246.53	-90.05	-3,412.07	-1,032.16	4,092.73	3,738.96	353.76	11.569		
11,000.00	7,136.56	7,111.56	7,111.56	120.28	246.54	-90.06	-3,412.07	-1,032.16	4,136.49	3,781.32	355.17	11.647		
11,100.00	7,136.75	7,111.75	7,111.75	123.02	246.55	-90.06	-3,412.07	-1,032.16	4,182.18	3,825.68	356.50	11.731		
11,200.00	7,136.95	7,111.95	7,111.95	125.76	246.55	-90.06	-3,412.07	-1,032.16	4,229.75	3,871.98	357.76	11.823		
11,300.00	7,137.14	7,112.14	7,112.14	128.52	246.56	-90.06	-3,412.07	-1,032.16	4,279.12	3,920.16	358.96	11.921		
11,400.00	7,137.33	7,112.33	7,112.33	131.27	246.57	-90.07	-3,412.07	-1,032.16	4,330.24	3,970.16	360.08	12.026		
11,500.00	7,137.53	7,112.53	7,112.53	134.03	246.58	-90.07	-3,412.07	-1,032.16	4,383.05	4,021.91	361.14	12.137		
11,600.00	7,137.72	7,112.72	7,112.72	136.80	246.58	-90.07	-3,412.07	-1,032.16	4,437.48	4,075.34	362.14	12.254		
11,700.00	7,137.92	7,112.92	7,112.92	139.57	246.59	-90.08	-3,412.07	-1,032.16	4,493.48	4,130.40	363.08	12.376		
11,800.00	7,138.11	7,113.11	7,113.11	142.34	246.60	-90.08	-3,412.07	-1,032.16	4,550.98	4,187.02	363.96	12.504		
11,900.00	7,138.30	7,113.30	7,113.30	145.12	246.60	-90.08	-3,412.07	-1,032.16	4,609.94	4,245.15	364.79	12.637		
12,000.00	7,138.50	7,113.50	7,113.50	147.90	246.61	-90.09	-3,412.07	-1,032.16	4,670.30	4,304.74	365.56	12.776		
12,100.00	7,138.69	7,113.69	7,113.69	150.68	246.62	-90.09	-3,412.07	-1,032.16	4,732.00	4,365.71	366.29	12.919		
12,200.00	7,138.88	7,113.88	7,113.88	153.47	246.62	-90.09	-3,412.07	-1,032.16	4,794.99	4,428.02	366.96	13.067		
12,300.00	7,139.08	7,114.08	7,114.08	156.26	246.63	-90.09	-3,412.07	-1,032.16	4,859.22	4,491.62	367.60	13.219		
12,400.00	7,139.27	7,114.27	7,114.27	159.05	246.64	-90.10	-3,412.07	-1,032.16	4,924.64	4,556.46	368.19	13.375		
12,500.00	7,139.47	7,114.47	7,114.47	161.85	246.64	-90.10	-3,412.07	-1,032.16	4,991.22	4,622.48	368.74	13.536		
12,600.00	7,139.66	7,114.66	7,114.66	164.64	246.65	-90.10	-3,412.07	-1,032.16	5,058.89	4,689.64	369.25	13.700		
12,700.00	7,139.85	7,114.85	7,114.85	167.44	246.66	-90.11	-3,412.07	-1,032.16	5,127.62	4,757.89	369.73	13.869		
12,800.00	7,140.05	7,115.05	7,115.05	170.24	246.66	-90.11	-3,412.07	-1,032.16	5,197.36	4,827.20	370.17	14.041		
12,900.00	7,140.24	7,115.24	7,115.24	173.05	246.67	-90.11	-3,412.07	-1,032.16	5,268.08	4,897.50	370.58	14.216		
13,000.00	7,140.44	7,115.44	7,115.44	175.85	246.68	-90.12	-3,412.07	-1,032.16	5,339.74	4,968.78	370.96	14.394		
13,100.00	7,140.63	7,115.63	7,115.63	178.66	246.68	-90.12	-3,412.07	-1,032.16	5,412.29	5,040.98	371.31	14.576		
13,200.00	7,140.82	7,115.82	7,115.82	181.47	246.69	-90.12	-3,412.07	-1,032.16	5,485.71	5,114.08	371.64	14.761		
13,300.00	7,141.02	7,116.02	7,116.02	184.28	246.70	-90.12	-3,412.07	-1,032.16	5,559.96	5,188.02	371.94	14.949		
13,400.00	7,141.21	7,116.21	7,116.21	187.10	246.70	-90.13	-3,412.07	-1,032.16	5,635.00	5,262.79	372.22	15.139		
13,500.00	7,141.41	7,116.41	7,116.41	189.91	246.71	-90.13	-3,412.07	-1,032.16	5,710.81	5,338.34	372.47	15.332		
13,600.00	7,141.60	7,116.60	7,116.60	192.73	246.72	-90.13	-3,412.07	-1,032.16	5,787.36	5,414.65	372.71	15.528		
13,700.00	7,141.79	7,116.79	7,116.79	195.54	246.72	-90.14	-3,412.07	-1,032.16	5,864.61	5,491.68	372.92	15.726		
13,800.00	7,141.99	7,116.99	7,116.99	198.36	246.73	-90.14	-3,412.07	-1,032.16	5,942.53	5,569.41	373.12	15.927		
13,900.00	7,142.18	7,117.18	7,117.18	201.18	246.74	-90.14	-3,412.07	-1,032.16	6,021.11	5,647.81	373.30	16.129		
14,000.00	7,142.37	7,117.37	7,117.37	204.01	246.74	-90.15	-3,412.07	-1,032.16	6,100.32	5,726.86	373.47	16.334		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.57	7,117.57	7,117.57	206.83	246.75	-90.15	-3,412.07	-1,032.16	6,180.13	5,806.52	373.62	16.541		
14,200.00	7,142.76	7,117.76	7,117.76	209.65	246.76	-90.15	-3,412.07	-1,032.16	6,260.52	5,886.77	373.75	16.750		
14,300.00	7,142.96	7,117.96	7,117.96	212.48	246.76	-90.15	-3,412.07	-1,032.16	6,341.47	5,967.59	373.88	16.961		
14,400.00	7,143.15	7,118.15	7,118.15	215.30	246.77	-90.16	-3,412.07	-1,032.16	6,422.96	6,048.97	373.99	17.174		
14,500.00	7,143.34	7,118.34	7,118.34	218.13	246.78	-90.16	-3,412.07	-1,032.16	6,504.96	6,130.87	374.09	17.389		
14,600.00	7,143.54	7,118.54	7,118.54	220.96	246.78	-90.16	-3,412.07	-1,032.16	6,587.46	6,213.28	374.18	17.605		
14,700.00	7,143.73	7,118.73	7,118.73	223.79	246.79	-90.17	-3,412.07	-1,032.16	6,670.44	6,296.17	374.26	17.823		
14,800.00	7,143.93	7,118.93	7,118.93	226.62	246.80	-90.17	-3,412.07	-1,032.16	6,753.88	6,379.54	374.34	18.042		
14,838.32	7,144.00	7,119.00	7,119.00	227.70	246.80	-90.17	-3,412.07	-1,032.16	6,785.97	6,411.61	374.36	18.127		
14,900.00	7,144.12	7,119.12	7,119.12	229.45	246.81	-90.17	-3,412.07	-1,032.16	6,837.40	6,463.00	374.40	18.262		
15,000.00	7,144.32	7,119.32	7,119.32	232.26	246.81	-90.16	-3,412.07	-1,032.16	6,919.56	6,545.12	374.45	18.479		
15,027.81	7,144.37	7,119.37	7,119.37	233.04	246.81	-90.16	-3,412.07	-1,032.16	6,942.14	6,567.68	374.46	18.539		
15,100.00	7,144.51	7,119.51	7,119.51	235.07	246.82	-90.16	-3,412.07	-1,032.16	7,000.72	6,626.24	374.48	18.694		
15,200.00	7,144.71	7,119.71	7,119.71	237.87	246.83	-90.16	-3,412.07	-1,032.16	7,082.29	6,707.78	374.51	18.911		
15,300.00	7,144.91	7,119.91	7,119.91	240.68	246.83	-90.16	-3,412.07	-1,032.16	7,164.32	6,789.79	374.53	19.129		
15,400.00	7,145.10	7,120.10	7,120.10	243.48	246.84	-90.17	-3,412.07	-1,032.16	7,246.81	6,872.26	374.55	19.348		
15,500.00	7,145.30	7,120.30	7,120.30	246.29	246.85	-90.17	-3,412.07	-1,032.16	7,329.73	6,955.17	374.55	19.569		
15,600.00	7,145.50	7,120.50	7,120.50	249.10	246.85	-90.17	-3,412.07	-1,032.16	7,413.07	7,038.51	374.56	19.792		
15,700.00	7,145.69	7,120.69	7,120.69	251.91	246.86	-90.17	-3,412.07	-1,032.16	7,496.82	7,122.27	374.55	20.015		
15,800.00	7,145.89	7,120.89	7,120.89	254.71	246.87	-90.18	-3,412.07	-1,032.16	7,580.96	7,206.42	374.54	20.241		
15,900.00	7,146.09	7,121.09	7,121.09	257.52	246.87	-90.18	-3,412.07	-1,032.16	7,665.48	7,290.95	374.53	20.467		
16,000.00	7,146.28	7,121.28	7,121.28	260.34	246.88	-90.18	-3,412.07	-1,032.16	7,750.38	7,375.86	374.51	20.695		
16,100.00	7,146.48	7,121.48	7,121.48	263.15	246.89	-90.19	-3,412.07	-1,032.16	7,835.63	7,461.13	374.49	20.923		
16,200.00	7,146.68	7,121.68	7,121.68	265.96	246.89	-90.19	-3,412.07	-1,032.16	7,921.22	7,546.75	374.47	21.153		
16,300.00	7,146.87	7,121.87	7,121.87	268.77	246.90	-90.19	-3,412.07	-1,032.16	8,007.15	7,632.71	374.44	21.384		
16,400.00	7,147.07	7,122.07	7,122.07	271.58	246.91	-90.19	-3,412.07	-1,032.16	8,093.40	7,718.99	374.41	21.617		
16,500.00	7,147.27	7,122.27	7,122.27	274.40	246.92	-90.20	-3,412.07	-1,032.16	8,179.96	7,805.59	374.37	21.850		
16,600.00	7,147.46	7,122.46	7,122.46	277.21	246.92	-90.20	-3,412.07	-1,032.16	8,266.83	7,892.50	374.34	22.084		
16,700.00	7,147.66	7,122.66	7,122.66	280.03	246.93	-90.20	-3,412.07	-1,032.16	8,353.99	7,979.70	374.30	22.319		
16,800.00	7,147.86	7,122.86	7,122.86	282.84	246.94	-90.20	-3,412.07	-1,032.16	8,441.44	8,067.18	374.26	22.555		
16,900.00	7,148.05	7,123.05	7,123.05	285.66	246.94	-90.21	-3,412.07	-1,032.16	8,529.16	8,154.95	374.21	22.792		
17,000.00	7,148.25	7,123.25	7,123.25	288.48	246.95	-90.21	-3,412.07	-1,032.16	8,617.15	8,242.98	374.17	23.030		
17,100.00	7,148.45	7,123.45	7,123.45	291.29	246.96	-90.21	-3,412.07	-1,032.16	8,705.40	8,331.28	374.12	23.269		
17,200.00	7,148.64	7,123.64	7,123.64	294.11	246.96	-90.22	-3,412.07	-1,032.16	8,793.90	8,419.82	374.07	23.508		
17,300.00	7,148.84	7,123.84	7,123.84	296.93	246.97	-90.22	-3,412.07	-1,032.16	8,882.64	8,508.62	374.03	23.749		
17,400.00	7,149.04	7,124.04	7,124.04	299.75	246.98	-90.22	-3,412.07	-1,032.16	8,971.62	8,597.65	373.98	23.990		
17,500.00	7,149.23	7,124.23	7,124.23	302.57	246.98	-90.22	-3,412.07	-1,032.16	9,060.83	8,686.91	373.92	24.232		
17,600.00	7,149.43	7,124.43	7,124.43	305.39	246.99	-90.23	-3,412.07	-1,032.16	9,150.27	8,776.40	373.87	24.474		
17,700.00	7,149.63	7,124.63	7,124.63	308.21	247.00	-90.23	-3,412.07	-1,032.16	9,239.92	8,866.10	373.82	24.718		
17,800.00	7,149.82	7,124.82	7,124.82	311.03	247.00	-90.23	-3,412.07	-1,032.16	9,329.78	8,956.01	373.77	24.961		
17,900.00	7,150.02	7,125.02	7,125.02	313.85	247.01	-90.24	-3,412.07	-1,032.16	9,419.85	9,046.13	373.71	25.206		
18,000.00	7,150.22	7,125.22	7,125.22	316.67	247.02	-90.24	-3,412.07	-1,032.16	9,510.11	9,136.45	373.66	25.451		
18,100.00	7,150.41	7,125.41	7,125.41	319.49	247.02	-90.24	-3,412.07	-1,032.16	9,600.57	9,226.96	373.61	25.697		
18,200.00	7,150.61	7,125.61	7,125.61	322.32	247.03	-90.24	-3,412.07	-1,032.16	9,691.21	9,317.66	373.55	25.943		
18,300.00	7,150.81	7,125.81	7,125.81	325.14	247.04	-90.25	-3,412.07	-1,032.16	9,782.04	9,408.54	373.50	26.190		
18,400.00	7,151.00	7,126.00	7,126.00	327.96	247.05	-90.25	-3,412.07	-1,032.16	9,873.04	9,499.60	373.44	26.438		
18,500.00	7,151.20	7,126.20	7,126.20	330.78	247.05	-90.25	-3,412.07	-1,032.16	9,964.22	9,590.83	373.39	26.686		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-88.72	186.48	-8,361.21	8,363.29					
100.00	100.00	104.00	96.00	3.28	3.78	-88.72	186.48	-8,361.21	8,363.29	8,356.22	7.07	1,183.288		
200.00	200.00	204.00	196.00	3.34	6.30	-88.72	186.48	-8,361.21	8,363.29	8,353.65	9.63	868.033		
300.00	299.98	304.02	295.98	3.44	9.46	-168.72	186.48	-8,361.21	8,365.00	8,352.10	12.90	648.537		
400.00	399.84	404.16	395.84	3.60	12.79	-168.70	186.48	-8,361.21	8,370.13	8,353.74	16.39	510.602		
500.00	499.45	504.55	495.45	3.81	16.20	-168.68	186.48	-8,361.21	8,378.68	8,358.67	20.01	418.725		
600.00	598.70	605.30	594.70	4.06	19.66	-168.65	186.48	-8,361.21	8,390.63	8,366.92	23.71	353.840		
700.00	697.47	706.53	693.47	4.34	23.15	-168.61	186.48	-8,361.21	8,405.97	8,378.49	27.49	305.828		
785.50	781.43	777.43	777.43	4.61	25.61	-168.57	186.48	-8,361.21	8,421.77	8,391.56	30.20	278.838		
800.00	795.63	808.37	791.63	4.66	26.68	-168.57	186.48	-8,361.21	8,424.65	8,393.33	31.32	268.948		
900.00	893.55	889.55	889.55	5.02	29.49	-168.60	186.48	-8,361.21	8,444.56	8,410.10	34.46	245.033		
1,000.00	991.47	987.47	987.47	5.40	32.89	-168.63	186.48	-8,361.21	8,464.48	8,426.27	38.21	221.542		
1,100.00	1,089.39	1,085.39	1,085.39	5.80	36.29	-168.66	186.48	-8,361.21	8,484.39	8,442.42	41.97	202.145		
1,200.00	1,187.31	1,183.31	1,183.31	6.21	39.70	-168.68	186.48	-8,361.21	8,504.31	8,458.55	45.75	185.875		
1,300.00	1,285.22	1,281.22	1,281.22	6.64	43.11	-168.71	186.48	-8,361.21	8,524.22	8,474.68	49.55	172.041		
1,400.00	1,383.14	1,379.14	1,379.14	7.08	46.52	-168.74	186.48	-8,361.21	8,544.14	8,490.79	53.35	160.143		
1,500.00	1,481.06	1,477.06	1,477.06	7.52	49.93	-168.76	186.48	-8,361.21	8,564.06	8,506.90	57.17	149.805		
1,600.00	1,578.98	1,574.98	1,574.98	7.98	53.34	-168.79	186.48	-8,361.21	8,583.99	8,523.00	60.99	140.742		
1,700.00	1,676.90	1,672.90	1,672.90	8.44	56.75	-168.81	186.48	-8,361.21	8,603.91	8,539.09	64.82	132.736		
1,800.00	1,774.82	1,770.82	1,770.82	8.90	60.16	-168.84	186.48	-8,361.21	8,623.84	8,555.18	68.65	125.612		
1,900.00	1,872.74	1,868.74	1,868.74	9.37	63.58	-168.87	186.48	-8,361.21	8,643.77	8,571.27	72.49	119.234		
2,000.00	1,970.66	1,966.66	1,966.66	9.84	66.99	-168.89	186.48	-8,361.21	8,663.70	8,587.36	76.34	113.492		
2,100.00	2,068.57	2,064.57	2,064.57	10.32	70.41	-168.92	186.48	-8,361.21	8,683.63	8,603.45	80.18	108.296		
2,200.00	2,166.49	2,162.49	2,162.49	10.80	73.82	-168.94	186.48	-8,361.21	8,703.56	8,619.53	84.03	103.572		
2,300.00	2,264.41	2,260.41	2,260.41	11.28	77.24	-168.97	186.48	-8,361.21	8,723.50	8,635.61	87.89	99.258		
2,400.00	2,362.33	2,358.33	2,358.33	11.76	80.65	-169.00	186.48	-8,361.21	8,743.43	8,651.69	91.74	95.305		
2,500.00	2,460.25	2,456.25	2,456.25	12.24	84.07	-169.02	186.48	-8,361.21	8,763.37	8,667.77	95.60	91.668		
2,600.00	2,558.17	2,554.17	2,554.17	12.73	87.48	-169.05	186.48	-8,361.21	8,783.31	8,683.86	99.46	88.312		
2,700.00	2,656.09	2,652.09	2,652.09	13.22	90.90	-169.07	186.48	-8,361.21	8,803.25	8,699.94	103.32	85.205		
2,800.00	2,754.01	2,750.01	2,750.01	13.71	94.31	-169.10	186.48	-8,361.21	8,823.20	8,716.02	107.18	82.321		
2,900.00	2,851.92	2,847.92	2,847.92	14.20	97.73	-169.12	186.48	-8,361.21	8,843.14	8,732.10	111.04	79.636		
3,000.00	2,949.84	2,945.84	2,945.84	14.69	101.15	-169.15	186.48	-8,361.21	8,863.09	8,748.18	114.91	77.131		
3,100.00	3,047.76	3,043.76	3,043.76	15.18	104.56	-169.17	186.48	-8,361.21	8,883.04	8,764.26	118.77	74.789		
3,200.00	3,145.68	3,141.68	3,141.68	15.67	107.98	-169.19	186.48	-8,361.21	8,902.99	8,780.35	122.64	72.594		
3,300.00	3,243.60	3,239.60	3,239.60	16.17	111.40	-169.22	186.48	-8,361.21	8,922.94	8,796.43	126.51	70.532		
3,400.00	3,341.52	3,337.52	3,337.52	16.66	114.81	-169.24	186.48	-8,361.21	8,942.89	8,812.51	130.38	68.592		
3,500.00	3,439.44	3,435.44	3,435.44	17.16	118.23	-169.27	186.48	-8,361.21	8,962.85	8,828.60	134.25	66.764		
3,600.00	3,537.36	3,533.36	3,533.36	17.65	121.65	-169.29	186.48	-8,361.21	8,982.80	8,844.68	138.12	65.038		
3,700.00	3,635.27	3,631.27	3,631.27	18.15	125.07	-169.32	186.48	-8,361.21	9,002.76	8,860.77	141.99	63.405		
3,800.00	3,733.19	3,729.19	3,729.19	18.65	128.48	-169.34	186.48	-8,361.21	9,022.72	8,876.86	145.86	61.859		
3,900.00	3,831.11	3,827.11	3,827.11	19.14	131.90	-169.36	186.48	-8,361.21	9,042.68	8,892.95	149.73	60.393		
4,000.00	3,929.03	3,925.03	3,925.03	19.64	135.32	-169.39	186.48	-8,361.21	9,062.64	8,909.04	153.60	59.001		
4,100.00	4,026.95	4,022.95	4,022.95	20.14	138.73	-169.41	186.48	-8,361.21	9,082.60	8,925.13	157.47	57.676		
4,200.00	4,124.87	4,120.87	4,120.87	20.64	142.15	-169.43	186.48	-8,361.21	9,102.57	8,941.22	161.35	56.416		
4,300.00	4,222.79	4,218.79	4,218.79	21.14	145.57	-169.46	186.48	-8,361.21	9,122.53	8,957.31	165.22	55.214		
4,400.00	4,320.71	4,316.71	4,316.71	21.64	148.99	-169.48	186.48	-8,361.21	9,142.50	8,973.41	169.10	54.067		
4,500.00	4,418.62	4,414.62	4,414.62	22.14	152.40	-169.50	186.48	-8,361.21	9,162.47	8,989.50	172.97	52.972		
4,600.00	4,516.54	4,512.54	4,512.54	22.64	155.82	-169.53	186.48	-8,361.21	9,182.44	9,005.60	176.84	51.924		
4,700.00	4,614.46	4,610.46	4,610.46	23.14	159.24	-169.55	186.48	-8,361.21	9,202.41	9,021.69	180.72	50.921		
4,800.00	4,712.38	4,708.38	4,708.38	23.64	162.66	-169.57	186.48	-8,361.21	9,222.39	9,037.79	184.59	49.960		
4,900.00	4,810.30	4,806.30	4,806.30	24.14	166.08	-169.60	186.48	-8,361.21	9,242.36	9,053.89	188.47	49.039		
5,000.00	4,908.22	4,904.22	4,904.22	24.64	169.49	-169.62	186.48	-8,361.21	9,262.34	9,069.99	192.35	48.155		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	5,002.14	5,002.14	25.14	172.91	-169.64	186.48	-8,361.21	9,282.32	9,086.09	196.22	47.305		
5,200.00	5,104.06	5,100.06	5,100.06	25.64	176.33	-169.66	186.48	-8,361.21	9,302.29	9,102.20	200.10	46.489		
5,300.00	5,201.97	5,202.03	5,197.97	26.14	179.89	-169.69	186.48	-8,361.21	9,322.27	9,118.16	204.12	45.672		
5,400.00	5,299.89	5,304.11	5,295.89	26.64	183.45	-169.71	186.48	-8,361.21	9,342.26	9,134.12	208.14	44.885		
5,500.00	5,397.81	5,406.19	5,393.81	27.15	187.01	-169.73	186.48	-8,361.21	9,362.24	9,150.08	212.16	44.128		
5,600.00	5,495.73	5,508.27	5,491.73	27.65	190.58	-169.75	186.48	-8,361.21	9,382.22	9,166.04	216.18	43.400		
5,700.00	5,593.65	5,589.65	5,589.65	28.15	193.42	-169.77	186.48	-8,361.21	9,402.21	9,182.73	219.48	42.838		
5,800.00	5,691.57	5,687.57	5,687.57	28.65	196.84	-169.80	186.48	-8,361.21	9,422.20	9,198.84	223.36	42.184		
5,900.00	5,789.49	5,785.49	5,785.49	29.15	200.25	-169.82	186.48	-8,361.21	9,442.18	9,214.95	227.24	41.552		
6,000.00	5,887.41	5,883.41	5,883.41	29.66	203.67	-169.84	186.48	-8,361.21	9,462.17	9,231.06	231.11	40.941		
6,100.00	5,985.32	5,981.32	5,981.32	30.16	207.09	-169.86	186.48	-8,361.21	9,482.17	9,247.17	234.99	40.351		
6,200.00	6,083.24	6,079.24	6,079.24	30.66	210.51	-169.88	186.48	-8,361.21	9,502.16	9,263.29	238.87	39.779		
6,300.00	6,181.16	6,177.16	6,177.16	31.16	213.92	-169.90	186.48	-8,361.21	9,522.15	9,279.40	242.75	39.226		
6,400.00	6,279.08	6,275.08	6,275.08	31.67	217.34	-169.93	186.48	-8,361.21	9,542.15	9,295.52	246.63	38.691		
6,490.03	6,367.24	6,363.24	6,363.24	32.12	220.42	-169.94	186.48	-8,361.21	9,560.15	9,310.03	250.12	38.222		
6,500.00	6,377.01	6,373.01	6,373.01	32.17	220.76	-169.02	186.48	-8,361.21	9,562.07	9,311.56	250.51	38.171		
6,550.00	6,426.43	6,422.43	6,422.43	32.40	222.49	-160.59	186.48	-8,361.21	9,569.36	9,316.91	252.45	37.906		
6,600.00	6,476.27	6,472.27	6,472.27	32.61	224.23	-125.94	186.48	-8,361.21	9,572.75	9,318.35	254.40	37.628		
6,650.00	6,526.21	6,522.21	6,522.21	32.80	225.97	-39.71	186.48	-8,361.21	9,572.22	9,315.88	256.34	37.343		
6,700.00	6,575.96	6,571.96	6,571.96	32.98	227.71	-18.69	186.48	-8,361.21	9,567.77	9,309.53	258.24	37.050		
6,750.00	6,625.19	6,621.19	6,621.19	33.16	229.42	-12.44	186.48	-8,361.21	9,559.43	9,299.32	260.11	36.751		
6,800.00	6,673.62	6,669.62	6,669.62	33.35	231.11	-9.56	186.48	-8,361.21	9,547.25	9,285.32	261.93	36.449		
6,850.00	6,720.94	6,716.94	6,716.94	33.55	232.77	-7.94	186.48	-8,361.21	9,531.31	9,267.61	263.70	36.144		
6,900.00	6,766.86	6,762.86	6,762.86	33.76	234.37	-6.94	186.48	-8,361.21	9,511.70	9,246.29	265.41	35.838		
6,950.00	6,811.10	6,807.10	6,807.10	33.98	235.91	-6.28	186.48	-8,361.21	9,488.54	9,221.51	267.03	35.533		
7,000.00	6,853.38	6,849.38	6,849.38	34.23	237.39	-5.84	186.48	-8,361.21	9,461.99	9,193.41	268.58	35.230		
7,050.00	6,893.45	6,889.45	6,889.45	34.50	238.79	-5.56	186.48	-8,361.21	9,432.19	9,162.17	270.02	34.931		
7,100.00	6,931.05	6,927.05	6,927.05	34.79	240.10	-5.40	186.48	-8,361.21	9,399.34	9,127.97	271.37	34.636		
7,150.00	6,965.96	6,961.96	6,961.96	35.12	241.32	-5.34	186.48	-8,361.21	9,363.64	9,091.02	272.61	34.347		
7,200.00	6,997.96	7,006.04	6,993.96	35.47	242.86	-5.39	186.48	-8,361.21	9,325.30	9,051.14	274.17	34.013		
7,250.00	7,026.85	7,022.85	7,022.85	35.86	243.44	-5.55	186.48	-8,361.21	9,284.57	9,009.81	274.75	33.792		
7,300.00	7,052.45	7,048.45	7,048.45	36.29	244.34	-5.84	186.48	-8,361.21	9,241.69	8,966.05	275.64	33.528		
7,350.00	7,074.61	7,070.61	7,070.61	36.76	245.11	-6.33	186.48	-8,361.21	9,196.93	8,920.53	276.41	33.273		
7,400.00	7,093.19	7,089.19	7,089.19	37.27	245.76	-7.11	186.48	-8,361.21	9,150.57	8,873.53	277.04	33.030		
7,450.00	7,108.07	7,104.07	7,104.07	37.81	246.28	-8.42	186.48	-8,361.21	9,102.89	8,825.35	277.54	32.798		
7,500.00	7,119.17	7,115.17	7,115.17	38.39	246.67	-10.91	186.48	-8,361.21	9,054.18	8,776.27	277.92	32.579		
7,550.00	7,126.41	7,122.41	7,122.41	38.99	246.92	-16.97	186.48	-8,361.21	9,004.75	8,726.60	278.16	32.373		
7,600.00	7,129.75	7,125.75	7,125.75	39.62	247.04	-46.65	186.48	-8,361.21	8,954.90	8,676.63	278.27	32.181		
7,616.41	7,130.00	7,126.00	7,126.00	39.83	247.05	-86.09	186.48	-8,361.21	8,938.50	8,660.23	278.28	32.121		
7,700.00	7,130.16	7,126.16	7,126.16	40.97	247.05	-86.12	186.48	-8,361.21	8,854.94	8,576.66	278.28	31.820		
7,800.00	7,130.35	7,126.35	7,126.35	42.46	247.06	-86.17	186.48	-8,361.21	8,754.99	8,476.70	278.29	31.460		
7,900.00	7,130.55	7,126.55	7,126.55	44.09	247.06	-86.21	186.48	-8,361.21	8,655.03	8,376.73	278.30	31.100		
8,000.00	7,130.74	7,126.74	7,126.74	45.84	247.07	-86.25	186.48	-8,361.21	8,555.07	8,276.76	278.31	30.739		
8,100.00	7,130.94	7,126.94	7,126.94	47.70	247.08	-86.30	186.48	-8,361.21	8,455.12	8,176.79	278.32	30.379		
8,200.00	7,131.13	7,127.13	7,127.13	49.65	247.08	-86.34	186.48	-8,361.21	8,355.16	8,076.83	278.34	30.018		
8,300.00	7,131.32	7,127.32	7,127.32	51.70	247.09	-86.39	186.48	-8,361.21	8,255.21	7,976.86	278.35	29.658		
8,400.00	7,131.52	7,127.52	7,127.52	53.81	247.10	-86.43	186.48	-8,361.21	8,155.26	7,876.89	278.37	29.297		
8,500.00	7,131.71	7,127.71	7,127.71	55.99	247.11	-86.47	186.48	-8,361.21	8,055.31	7,776.92	278.39	28.936		
8,600.00	7,131.90	7,127.90	7,127.90	58.24	247.11	-86.52	186.48	-8,361.21	7,955.36	7,676.95	278.41	28.575		
8,700.00	7,132.10	7,128.10	7,128.10	60.53	247.12	-86.56	186.48	-8,361.21	7,855.41	7,576.98	278.43	28.213		
8,800.00	7,132.29	7,128.29	7,128.29	62.87	247.13	-86.60	186.48	-8,361.21	7,755.46	7,477.01	278.45	27.852		
8,900.00	7,132.49	7,128.49	7,128.49	65.25	247.13	-86.65	186.48	-8,361.21	7,655.51	7,377.04	278.48	27.491		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	7,132.68	7,128.68	7,128.68	67.68	247.14	-86.69	186.48	-8,361.21	7,555.57	7,277.07	278.50	27.129		
9,100.00	7,132.87	7,128.87	7,128.87	70.13	247.15	-86.74	186.48	-8,361.21	7,455.63	7,177.10	278.53	26.768		
9,200.00	7,133.07	7,129.07	7,129.07	72.61	247.15	-86.78	186.48	-8,361.21	7,355.69	7,077.12	278.56	26.406		
9,300.00	7,133.26	7,129.26	7,129.26	75.13	247.16	-86.82	186.48	-8,361.21	7,255.75	6,977.15	278.59	26.044		
9,400.00	7,133.46	7,129.46	7,129.46	77.66	247.17	-86.87	186.48	-8,361.21	7,155.81	6,877.18	278.63	25.682		
9,500.00	7,133.65	7,129.65	7,129.65	80.22	247.17	-86.91	186.48	-8,361.21	7,055.87	6,777.21	278.66	25.320		
9,600.00	7,133.84	7,129.84	7,129.84	82.80	247.18	-86.95	186.48	-8,361.21	6,955.94	6,677.23	278.70	24.958		
9,700.00	7,134.04	7,130.04	7,130.04	85.40	247.19	-87.00	186.48	-8,361.21	6,856.00	6,577.26	278.74	24.596		
9,800.00	7,134.23	7,130.23	7,130.23	88.01	247.19	-87.04	186.48	-8,361.21	6,756.07	6,477.29	278.79	24.234		
9,900.00	7,134.43	7,130.43	7,130.43	90.64	247.20	-87.08	186.48	-8,361.21	6,656.15	6,377.32	278.83	23.872		
10,000.00	7,134.62	7,130.62	7,130.62	93.28	247.21	-87.13	186.48	-8,361.21	6,556.22	6,277.34	278.88	23.509		
10,100.00	7,134.81	7,130.81	7,130.81	95.94	247.21	-87.17	186.48	-8,361.21	6,456.30	6,177.37	278.93	23.147		
10,200.00	7,135.01	7,131.01	7,131.01	98.61	247.22	-87.22	186.48	-8,361.21	6,356.37	6,077.39	278.98	22.784		
10,300.00	7,135.20	7,131.20	7,131.20	101.28	247.23	-87.26	186.48	-8,361.21	6,256.45	5,977.42	279.03	22.422		
10,400.00	7,135.39	7,131.39	7,131.39	103.97	247.23	-87.30	186.48	-8,361.21	6,156.54	5,877.45	279.09	22.059		
10,500.00	7,135.59	7,131.59	7,131.59	106.67	247.24	-87.35	186.48	-8,361.21	6,056.62	5,777.47	279.15	21.697		
10,600.00	7,135.78	7,131.78	7,131.78	109.38	247.25	-87.39	186.48	-8,361.21	5,956.71	5,677.50	279.21	21.334		
10,700.00	7,135.98	7,131.98	7,131.98	112.09	247.25	-87.44	186.48	-8,361.21	5,856.81	5,577.53	279.28	20.971		
10,800.00	7,136.17	7,132.17	7,132.17	114.81	247.26	-87.48	186.48	-8,361.21	5,756.90	5,477.55	279.35	20.608		
10,900.00	7,136.36	7,132.36	7,132.36	117.54	247.27	-87.52	186.48	-8,361.21	5,657.00	5,377.58	279.42	20.245		
11,000.00	7,136.56	7,132.56	7,132.56	120.28	247.27	-87.57	186.48	-8,361.21	5,557.10	5,277.60	279.50	19.882		
11,100.00	7,136.75	7,132.75	7,132.75	123.02	247.28	-87.61	186.48	-8,361.21	5,457.21	5,177.63	279.58	19.519		
11,200.00	7,136.95	7,132.95	7,132.95	125.76	247.29	-87.65	186.48	-8,361.21	5,357.32	5,077.65	279.66	19.156		
11,300.00	7,137.14	7,133.14	7,133.14	128.52	247.29	-87.70	186.48	-8,361.21	5,257.43	4,977.68	279.75	18.793		
11,400.00	7,137.33	7,133.33	7,133.33	131.27	247.30	-87.74	186.48	-8,361.21	5,157.55	4,877.70	279.85	18.430		
11,500.00	7,137.53	7,133.53	7,133.53	134.03	247.31	-87.79	186.48	-8,361.21	5,057.67	4,777.73	279.94	18.067		
11,600.00	7,137.72	7,133.72	7,133.72	136.80	247.31	-87.83	186.48	-8,361.21	4,957.80	4,677.76	280.05	17.703		
11,700.00	7,137.92	7,133.92	7,133.92	139.57	247.32	-87.87	186.48	-8,361.21	4,857.94	4,577.78	280.16	17.340		
11,800.00	7,138.11	7,134.11	7,134.11	142.34	247.33	-87.92	186.48	-8,361.21	4,758.07	4,477.80	280.27	16.977		
11,900.00	7,138.30	7,134.30	7,134.30	145.12	247.34	-87.96	186.48	-8,361.21	4,658.22	4,377.83	280.39	16.613		
12,000.00	7,138.50	7,134.50	7,134.50	147.90	247.34	-88.00	186.48	-8,361.21	4,558.37	4,277.85	280.52	16.250		
12,100.00	7,138.69	7,134.69	7,134.69	150.68	247.35	-88.05	186.48	-8,361.21	4,458.53	4,177.87	280.65	15.886		
12,200.00	7,138.88	7,134.88	7,134.88	153.47	247.36	-88.09	186.48	-8,361.21	4,358.69	4,077.90	280.80	15.523		
12,300.00	7,139.08	7,135.08	7,135.08	156.26	247.36	-88.14	186.48	-8,361.21	4,258.87	3,977.92	280.95	15.159		
12,400.00	7,139.27	7,135.27	7,135.27	159.05	247.37	-88.18	186.48	-8,361.21	4,159.05	3,877.94	281.11	14.795		
12,500.00	7,139.47	7,135.47	7,135.47	161.85	247.38	-88.22	186.48	-8,361.21	4,059.24	3,777.96	281.28	14.431		
12,600.00	7,139.66	7,135.66	7,135.66	164.64	247.38	-88.27	186.48	-8,361.21	3,959.44	3,677.97	281.47	14.067		
12,700.00	7,139.85	7,135.85	7,135.85	167.44	247.39	-88.31	186.48	-8,361.21	3,859.65	3,577.99	281.66	13.703		
12,800.00	7,140.05	7,136.05	7,136.05	170.24	247.40	-88.35	186.48	-8,361.21	3,759.87	3,478.00	281.87	13.339		
12,900.00	7,140.24	7,136.24	7,136.24	173.05	247.40	-88.40	186.48	-8,361.21	3,660.10	3,378.01	282.10	12.975		
13,000.00	7,140.44	7,136.44	7,136.44	175.85	247.41	-88.44	186.48	-8,361.21	3,560.35	3,278.01	282.34	12.610		
13,100.00	7,140.63	7,136.63	7,136.63	178.66	247.42	-88.49	186.48	-8,361.21	3,460.61	3,178.01	282.60	12.246		
13,200.00	7,140.82	7,136.82	7,136.82	181.47	247.42	-88.53	186.48	-8,361.21	3,360.89	3,078.01	282.88	11.881		
13,300.00	7,141.02	7,137.02	7,137.02	184.28	247.43	-88.57	186.48	-8,361.21	3,261.18	2,978.00	283.18	11.516		
13,400.00	7,141.21	7,137.21	7,137.21	187.10	247.44	-88.62	186.48	-8,361.21	3,161.49	2,877.98	283.51	11.151		
13,500.00	7,141.41	7,137.41	7,137.41	189.91	247.44	-88.66	186.48	-8,361.21	3,061.82	2,777.96	283.87	10.786		
13,600.00	7,141.60	7,137.60	7,137.60	192.73	247.45	-88.71	186.48	-8,361.21	2,962.18	2,677.92	284.26	10.421		
13,700.00	7,141.79	7,137.79	7,137.79	195.54	247.46	-88.75	186.48	-8,361.21	2,862.56	2,577.87	284.68	10.055		
13,800.00	7,141.99	7,137.99	7,137.99	198.36	247.46	-88.79	186.48	-8,361.21	2,762.96	2,477.81	285.15	9.689		
13,900.00	7,142.18	7,138.18	7,138.18	201.18	247.47	-88.84	186.48	-8,361.21	2,663.40	2,377.73	285.67	9.323		
14,000.00	7,142.37	7,138.37	7,138.37	204.01	247.48	-88.88	186.48	-8,361.21	2,563.87	2,277.63	286.24	8.957		
14,100.00	7,142.57	7,138.57	7,138.57	206.83	247.48	-88.92	186.48	-8,361.21	2,464.38	2,177.51	286.87	8.591		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,200.00	7,142.76	7,138.76	7,138.76	209.65	247.49	-88.97	186.48	-8,361.21	2,364.93	2,077.36	287.57	8.224		
14,300.00	7,142.96	7,138.96	7,138.96	212.48	247.50	-89.01	186.48	-8,361.21	2,265.53	1,977.17	288.36	7.857		
14,400.00	7,143.15	7,139.15	7,139.15	215.30	247.50	-89.06	186.48	-8,361.21	2,166.19	1,876.95	289.24	7.489		
14,500.00	7,143.34	7,139.34	7,139.34	218.13	247.51	-89.10	186.48	-8,361.21	2,066.91	1,776.67	290.23	7.122		
14,600.00	7,143.54	7,139.54	7,139.54	220.96	247.52	-89.14	186.48	-8,361.21	1,967.70	1,676.34	291.36	6.754		
14,700.00	7,143.73	7,139.73	7,139.73	223.79	247.52	-89.19	186.48	-8,361.21	1,868.58	1,575.94	292.64	6.385		
14,800.00	7,143.93	7,139.93	7,139.93	226.62	247.53	-89.23	186.48	-8,361.21	1,769.55	1,475.45	294.10	6.017		
14,838.32	7,144.00	7,140.00	7,140.00	227.70	247.53	-89.25	186.48	-8,361.21	1,731.63	1,436.92	294.72	5.876		
14,900.00	7,144.12	7,140.12	7,140.12	229.45	247.54	-89.15	186.48	-8,361.21	1,670.55	1,374.84	295.71	5.649		
15,000.00	7,144.32	7,140.32	7,140.32	232.26	247.55	-88.91	186.48	-8,361.21	1,571.23	1,274.06	297.17	5.287		
15,027.81	7,144.37	7,140.37	7,140.37	233.04	247.55	-88.81	186.48	-8,361.21	1,543.55	1,246.02	297.53	5.188		
15,100.00	7,144.51	7,140.51	7,140.51	235.07	247.55	-88.87	186.48	-8,361.21	1,471.70	1,173.20	298.50	4.930		
15,200.00	7,144.71	7,140.71	7,140.71	237.87	247.56	-88.94	186.48	-8,361.21	1,372.23	1,072.21	300.02	4.574		
15,300.00	7,144.91	7,140.91	7,140.91	240.68	247.57	-89.02	186.48	-8,361.21	1,272.84	971.03	301.81	4.217		
15,400.00	7,145.10	7,141.10	7,141.10	243.48	247.57	-89.10	186.48	-8,361.21	1,173.55	869.63	303.93	3.861		
15,500.00	7,145.30	7,141.30	7,141.30	246.29	247.58	-89.18	186.48	-8,361.21	1,074.40	767.92	306.48	3.506		
15,600.00	7,145.50	7,141.50	7,141.50	249.10	247.59	-89.25	186.48	-8,361.21	975.42	665.81	309.60	3.151		
15,700.00	7,145.69	7,141.69	7,141.69	251.91	247.59	-89.33	186.48	-8,361.21	876.67	563.17	313.50	2.796		
15,800.00	7,145.89	7,141.89	7,141.89	254.71	247.60	-89.41	186.48	-8,361.21	778.24	459.77	318.47	2.444		
15,900.00	7,146.09	7,142.09	7,142.09	257.52	247.61	-89.49	186.48	-8,361.21	680.26	355.29	324.97	2.093		
16,000.00	7,146.28	7,142.28	7,142.28	260.34	247.61	-89.56	186.48	-8,361.21	582.98	249.21	333.77	1.747		
16,100.00	7,146.48	7,142.48	7,142.48	263.15	247.62	-89.64	186.48	-8,361.21	486.80	140.63	346.17	1.406	Level 3	
16,200.00	7,146.68	7,142.68	7,142.68	265.96	247.63	-89.72	186.48	-8,361.21	392.53	28.00	364.53	1.077	Level 2	
16,300.00	7,146.87	7,142.87	7,142.87	268.77	247.63	-89.80	186.48	-8,361.21	301.97	-91.38	393.35	0.768	Level 1	
16,400.00	7,147.07	7,143.07	7,143.07	271.58	247.64	-89.87	186.48	-8,361.21	219.75	-220.57	440.33	0.499	Level 1	
16,500.00	7,147.27	7,143.27	7,143.27	274.40	247.65	-89.95	186.48	-8,361.21	159.37	-345.21	504.58	0.316	Level 1	
16,564.47	7,147.39	7,143.39	7,143.39	276.21	247.65	-90.00	186.48	-8,361.21	145.75	-377.72	523.47	0.278	Level 1, CC, ES, SF	
16,600.00	7,147.46	7,143.46	7,143.46	277.21	247.66	-90.03	186.48	-8,361.21	150.01	-363.23	513.24	0.292	Level 1	
16,700.00	7,147.66	7,143.66	7,143.66	280.03	247.66	-90.10	186.48	-8,361.21	199.02	-244.90	443.93	0.448	Level 1	
16,800.00	7,147.86	7,143.86	7,143.86	282.84	247.67	-90.18	186.48	-8,361.21	276.98	-110.15	387.13	0.715	Level 1	
16,900.00	7,148.05	7,144.05	7,144.05	285.66	247.68	-90.26	186.48	-8,361.21	365.82	12.74	353.08	1.036	Level 2	
17,000.00	7,148.25	7,144.25	7,144.25	288.48	247.68	-90.34	186.48	-8,361.21	459.27	126.97	332.30	1.382	Level 3	
17,100.00	7,148.45	7,144.45	7,144.45	291.29	247.69	-90.41	186.48	-8,361.21	555.01	236.09	318.92	1.740		
17,200.00	7,148.64	7,144.64	7,144.64	294.11	247.70	-90.49	186.48	-8,361.21	652.03	342.12	309.90	2.104		
17,300.00	7,148.84	7,144.84	7,144.84	296.93	247.70	-90.57	186.48	-8,361.21	749.83	446.22	303.61	2.470		
17,400.00	7,149.04	7,145.04	7,145.04	299.75	247.71	-90.65	186.48	-8,361.21	848.14	549.04	299.11	2.836		
17,500.00	7,149.23	7,145.23	7,145.23	302.57	247.72	-90.72	186.48	-8,361.21	946.81	651.00	295.82	3.201		
17,600.00	7,149.43	7,145.43	7,145.43	305.39	247.72	-90.80	186.48	-8,361.21	1,045.73	752.36	293.38	3.564		
17,700.00	7,149.63	7,145.63	7,145.63	308.21	247.73	-90.88	186.48	-8,361.21	1,144.84	853.30	291.55	3.927		
17,800.00	7,149.82	7,145.82	7,145.82	311.03	247.74	-90.96	186.48	-8,361.21	1,244.09	953.93	290.16	4.288		
17,900.00	7,150.02	7,146.02	7,146.02	313.85	247.74	-91.03	186.48	-8,361.21	1,343.46	1,054.35	289.11	4.647		
18,000.00	7,150.22	7,146.22	7,146.22	316.67	247.75	-91.11	186.48	-8,361.21	1,442.91	1,154.61	288.30	5.005		
18,100.00	7,150.41	7,146.41	7,146.41	319.49	247.76	-91.19	186.48	-8,361.21	1,542.43	1,254.74	287.69	5.362		
18,200.00	7,150.61	7,146.61	7,146.61	322.32	247.76	-91.26	186.48	-8,361.21	1,642.01	1,354.79	287.22	5.717		
18,300.00	7,150.81	7,146.81	7,146.81	325.14	247.77	-91.34	186.48	-8,361.21	1,741.64	1,454.77	286.86	6.071		
18,400.00	7,151.00	7,147.00	7,147.00	327.96	247.78	-91.42	186.48	-8,361.21	1,841.30	1,554.71	286.60	6.425		
18,500.00	7,151.20	7,147.20	7,147.20	330.78	247.79	-91.50	186.48	-8,361.21	1,941.01	1,654.60	286.41	6.777		
18,600.00	7,151.40	7,147.40	7,147.40	333.61	247.79	-91.57	186.48	-8,361.21	2,040.74	1,754.47	286.27	7.129		
18,700.00	7,151.59	7,147.59	7,147.59	336.43	247.80	-91.65	186.48	-8,361.21	2,140.49	1,854.31	286.18	7.480		
18,800.00	7,151.79	7,147.79	7,147.79	339.26	247.81	-91.73	186.48	-8,361.21	2,240.27	1,954.14	286.13	7.830		
18,906.26	7,152.00	7,148.00	7,148.00	342.26	247.81	-91.81	186.48	-8,361.21	2,346.32	2,060.21	286.11	8.201		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	33.58	1,441.94	957.43	1,731.08					
100.00	100.00	67.20	67.20	3.28	3.28	33.58	1,442.11	957.34	1,730.96	1,724.39	6.57	263.545		
200.00	200.00	171.99	171.98	3.34	3.32	33.55	1,442.76	956.83	1,731.21	1,724.55	6.66	259.983		
300.00	299.98	274.13	274.13	3.44	3.42	-46.53	1,443.00	956.25	1,729.88	1,723.02	6.86	252.122		
400.00	399.84	370.47	370.46	3.60	3.56	-46.71	1,443.06	956.08	1,726.24	1,719.09	7.16	241.237		
500.00	499.45	468.71	468.70	3.81	3.74	-47.01	1,443.34	955.92	1,720.42	1,712.88	7.54	228.093		
600.00	598.70	571.09	571.08	4.06	3.97	-47.45	1,443.50	955.86	1,712.21	1,704.19	8.02	213.523		
700.00	697.47	669.75	669.75	4.34	4.22	-47.99	1,443.43	955.85	1,701.56	1,693.00	8.56	198.860		
785.50	781.43	750.33	750.32	4.61	4.44	-48.54	1,443.53	955.80	1,690.78	1,681.73	9.05	186.737		
800.00	795.63	763.79	763.78	4.66	4.48	-48.61	1,443.56	955.80	1,688.84	1,679.70	9.14	184.707		
900.00	893.55	861.11	861.10	5.02	4.78	-49.12	1,443.85	955.89	1,675.63	1,665.85	9.78	171.281		
1,000.00	991.47	963.40	963.39	5.40	5.10	-49.66	1,443.89	956.14	1,662.42	1,651.94	10.48	158.643		
1,100.00	1,089.39	1,065.99	1,065.98	5.80	5.44	-50.21	1,443.69	956.18	1,649.05	1,637.84	11.21	147.106		
1,200.00	1,187.31	1,163.53	1,163.52	6.21	5.78	-50.75	1,443.34	956.17	1,635.66	1,623.71	11.95	136.851		
1,300.00	1,285.22	1,262.58	1,262.57	6.64	6.13	-51.29	1,443.03	956.20	1,622.48	1,609.76	12.72	127.531		
1,400.00	1,383.14	1,359.99	1,359.98	7.08	6.49	-51.84	1,442.57	956.32	1,609.34	1,595.83	13.51	119.157		
1,500.00	1,481.06	1,455.10	1,455.09	7.52	6.84	-52.37	1,442.24	956.50	1,596.50	1,582.20	14.30	111.659		
1,600.00	1,578.98	1,553.01	1,552.99	7.98	7.21	-52.94	1,442.07	956.63	1,583.93	1,568.82	15.11	104.806		
1,700.00	1,676.90	1,651.13	1,651.12	8.44	7.59	-53.52	1,441.89	956.62	1,571.45	1,555.51	15.94	98.582		
1,800.00	1,774.82	1,750.43	1,750.41	8.90	7.97	-54.11	1,441.69	956.73	1,559.17	1,542.39	16.78	92.905		
1,900.00	1,872.74	1,852.66	1,852.64	9.37	8.37	-54.73	1,441.17	956.91	1,546.82	1,529.18	17.64	87.673		
2,000.00	1,970.66	1,952.75	1,952.73	9.84	8.77	-55.34	1,440.50	956.91	1,534.41	1,515.91	18.50	82.922		
2,100.00	2,068.57	2,051.36	2,051.34	10.32	9.16	-55.96	1,439.78	956.85	1,522.11	1,502.74	19.37	78.593		
2,200.00	2,166.49	2,150.74	2,150.72	10.80	9.56	-56.59	1,439.07	956.62	1,509.92	1,489.68	20.24	74.606		
2,300.00	2,264.41	2,251.09	2,251.06	11.28	9.97	-57.26	1,438.38	955.98	1,497.79	1,476.67	21.12	70.922		
2,400.00	2,362.33	2,349.47	2,349.44	11.76	10.36	-57.93	1,437.63	955.13	1,485.71	1,463.71	22.00	67.540		
2,500.00	2,460.25	2,444.28	2,444.24	12.24	10.75	-58.59	1,437.02	954.29	1,473.92	1,451.05	22.87	64.452		
2,600.00	2,558.17	2,537.45	2,537.40	12.73	11.13	-59.25	1,436.69	953.45	1,462.61	1,438.88	23.74	61.616		
2,700.00	2,656.09	2,630.98	2,630.93	13.22	11.51	-59.93	1,436.67	952.62	1,451.84	1,427.23	24.61	58.991		
2,800.00	2,754.01	2,726.77	2,726.72	13.71	11.91	-60.63	1,436.85	951.91	1,441.53	1,416.03	25.50	56.541		
2,900.00	2,851.92	2,825.77	2,825.71	14.20	12.31	-61.36	1,437.01	951.18	1,431.43	1,405.04	26.39	54.235		
3,000.00	2,949.84	2,926.04	2,925.98	14.69	12.73	-62.11	1,437.07	950.50	1,421.50	1,394.20	27.30	52.073		
3,100.00	3,047.76	3,029.60	3,029.54	15.18	13.16	-62.89	1,436.68	949.86	1,411.42	1,383.20	28.22	50.021		
3,200.00	3,145.68	3,126.43	3,126.37	15.67	13.56	-63.63	1,436.19	949.21	1,401.44	1,372.32	29.12	48.134		
3,300.00	3,243.60	3,218.31	3,218.25	16.17	13.94	-64.34	1,435.94	948.52	1,391.92	1,361.92	30.00	46.397		
3,400.00	3,341.52	3,303.03	3,302.96	16.66	14.29	-65.02	1,436.38	947.88	1,383.39	1,352.53	30.86	44.827		
3,500.00	3,439.44	3,395.29	3,395.21	17.16	14.68	-65.75	1,437.44	947.40	1,375.77	1,344.02	31.75	43.336		
3,600.00	3,537.36	3,490.69	3,490.61	17.65	15.07	-66.52	1,438.78	947.09	1,368.71	1,336.07	32.64	41.927		
3,700.00	3,635.27	3,582.43	3,582.33	18.15	15.46	-67.26	1,440.32	946.91	1,362.22	1,328.69	33.53	40.626		
3,800.00	3,733.19	3,678.35	3,678.23	18.65	15.86	-68.04	1,442.22	946.94	1,356.33	1,321.90	34.43	39.390		
3,900.00	3,831.11	3,776.49	3,776.35	19.14	16.27	-68.85	1,444.24	946.85	1,350.76	1,315.42	35.35	38.215		
4,000.00	3,929.03	3,883.30	3,883.15	19.64	16.72	-69.73	1,446.16	946.61	1,345.21	1,308.91	36.29	37.066		
4,100.00	4,026.95	3,986.47	3,986.31	20.14	17.15	-70.61	1,447.43	945.94	1,339.31	1,302.09	37.23	35.978		
4,200.00	4,124.87	4,087.59	4,087.42	20.64	17.57	-71.49	1,448.41	945.12	1,333.44	1,295.28	38.15	34.950		
4,300.00	4,222.79	4,185.95	4,185.77	21.14	17.99	-72.34	1,449.19	944.43	1,327.71	1,288.64	39.07	33.982		
4,400.00	4,320.71	4,286.15	4,285.97	21.64	18.41	-73.21	1,449.87	943.85	1,322.20	1,282.20	40.00	33.059		
4,500.00	4,418.62	4,384.79	4,384.61	22.14	18.82	-74.08	1,450.42	943.21	1,316.85	1,275.94	40.92	32.185		
4,600.00	4,516.54	4,483.53	4,483.34	22.64	19.24	-74.94	1,450.90	942.71	1,311.76	1,269.93	41.84	31.355		
4,700.00	4,614.46	4,579.22	4,579.03	23.14	19.64	-75.78	1,451.37	942.35	1,307.00	1,264.26	42.75	30.576		
4,800.00	4,712.38	4,679.72	4,679.53	23.64	20.07	-76.67	1,451.92	941.94	1,302.60	1,258.93	43.67	29.826		
4,900.00	4,810.30	4,783.93	4,783.73	24.14	20.51	-77.60	1,452.09	941.54	1,298.14	1,253.53	44.61	29.098		
5,000.00	4,908.22	4,885.69	4,885.49	24.64	20.94	-78.52	1,451.83	941.01	1,293.57	1,248.03	45.54	28.402		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,006.14	4,987.82	4,987.62	25.14	21.37	-79.44	1,451.27	940.56	1,289.04	1,242.56	46.48	27.735		
5,200.00	5,104.06	5,091.70	5,091.50	25.64	21.81	-80.38	1,450.27	940.12	1,284.43	1,237.01	47.41	27.090		
5,300.00	5,201.97	5,184.24	5,184.03	26.14	22.20	-81.22	1,449.32	939.97	1,280.07	1,231.75	48.31	26.495		
5,400.00	5,299.89	5,290.59	5,290.37	26.64	22.65	-82.17	1,448.23	940.15	1,276.03	1,226.77	49.26	25.905		
5,500.00	5,397.81	5,384.30	5,384.07	27.15	23.04	-83.02	1,446.97	940.11	1,272.00	1,221.84	50.16	25.358		
5,600.00	5,495.73	5,483.53	5,483.30	27.65	23.46	-83.94	1,445.84	939.94	1,268.49	1,217.41	51.08	24.832		
5,700.00	5,593.65	5,579.59	5,579.35	28.15	23.87	-84.84	1,444.66	939.50	1,265.26	1,213.27	51.99	24.336		
5,800.00	5,691.57	5,678.19	5,677.94	28.65	24.29	-85.77	1,443.55	939.06	1,262.46	1,209.55	52.91	23.861		
5,900.00	5,789.49	5,774.70	5,774.45	29.15	24.70	-86.68	1,442.44	938.69	1,259.96	1,206.14	53.82	23.412		
6,000.00	5,887.41	5,871.84	5,871.58	29.66	25.11	-87.59	1,441.44	938.37	1,257.92	1,203.19	54.73	22.985		
6,100.00	5,985.32	5,967.70	5,967.43	30.16	25.52	-88.51	1,440.50	937.92	1,256.29	1,200.66	55.63	22.582		
6,200.00	6,083.24	6,060.48	6,060.21	30.66	25.91	-89.40	1,439.81	937.31	1,255.26	1,198.74	56.52	22.208		
6,300.00	6,181.16	6,156.95	6,156.67	31.16	26.32	-90.33	1,439.42	936.51	1,254.95	1,197.53	57.42	21.854		
6,362.07	6,241.94	6,218.29	6,218.02	31.48	26.58	-90.92	1,439.13	936.07	1,254.89	1,196.89	57.99	21.639		
6,400.00	6,279.08	6,254.59	6,254.31	31.67	26.74	-91.27	1,438.98	935.81	1,254.92	1,196.59	58.33	21.514		
6,490.03	6,367.24	6,340.17	6,339.89	32.12	27.10	-92.09	1,438.70	935.17	1,255.32	1,196.18	59.14	21.228		
6,500.00	6,377.01	6,349.59	6,349.31	32.17	27.14	-91.26	1,438.68	935.10	1,255.37	1,196.15	59.22	21.197		
6,550.00	6,426.43	6,397.24	6,396.96	32.40	27.34	-83.16	1,438.63	934.77	1,255.17	1,195.51	59.65	21.041		
6,600.00	6,476.27	6,447.54	6,447.26	32.61	27.56	-48.59	1,438.61	934.45	1,254.07	1,194.00	60.07	20.876		
6,650.00	6,526.21	6,498.11	6,497.83	32.80	27.77	37.82	1,438.57	934.16	1,252.01	1,191.54	60.47	20.703		
6,700.00	6,575.96	6,546.90	6,546.61	32.98	27.98	59.28	1,438.55	933.93	1,249.03	1,188.17	60.86	20.523		
6,750.00	6,625.19	6,595.14	6,594.85	33.16	28.18	66.24	1,438.59	933.75	1,245.20	1,183.95	61.25	20.330		
6,800.00	6,673.62	6,643.64	6,643.36	33.35	28.39	70.08	1,438.65	933.58	1,240.61	1,178.96	61.65	20.124		
6,850.00	6,720.94	6,691.21	6,690.92	33.55	28.59	72.88	1,438.69	933.37	1,235.35	1,173.30	62.06	19.907		
6,900.00	6,766.86	6,736.50	6,736.21	33.76	28.79	75.26	1,438.73	933.12	1,229.61	1,167.15	62.47	19.684		
6,950.00	6,811.10	6,779.95	6,779.66	33.98	28.97	77.46	1,438.80	932.89	1,223.61	1,160.72	62.89	19.457		
7,000.00	6,853.38	6,822.54	6,822.25	34.23	29.15	79.59	1,438.89	932.68	1,217.57	1,154.24	63.33	19.227		
7,050.00	6,893.45	6,863.72	6,863.43	34.50	29.33	81.68	1,438.96	932.56	1,211.69	1,147.91	63.78	18.998		
7,100.00	6,931.05	6,902.23	6,901.94	34.79	29.49	83.68	1,439.01	932.54	1,206.25	1,142.00	64.24	18.776		
7,150.00	6,965.96	6,936.31	6,936.02	35.12	29.63	85.51	1,439.05	932.54	1,201.56	1,136.84	64.72	18.565		
7,200.00	6,997.96	6,967.71	6,967.43	35.47	29.77	87.19	1,439.11	932.50	1,197.93	1,132.71	65.21	18.369		
7,250.00	7,026.85	6,996.15	6,995.87	35.86	29.89	88.66	1,439.18	932.44	1,195.62	1,129.89	65.72	18.192		
7,297.03	7,051.02	7,020.46	7,020.17	36.27	29.99	89.84	1,439.24	932.38	1,194.86	1,128.65	66.22	18.045 CC		
7,300.00	7,052.45	7,021.89	7,021.61	36.29	30.00	89.91	1,439.24	932.37	1,194.87	1,128.62	66.25	18.036 ES		
7,350.00	7,074.61	7,044.20	7,043.91	36.76	30.09	90.88	1,439.29	932.34	1,195.90	1,129.12	66.78	17.908		
7,400.00	7,093.19	7,062.84	7,062.56	37.27	30.17	91.51	1,439.34	932.32	1,198.89	1,131.57	67.32	17.809		
7,450.00	7,108.07	7,077.74	7,077.45	37.81	30.23	91.79	1,439.37	932.32	1,203.99	1,136.14	67.85	17.744		
7,500.00	7,119.17	7,088.81	7,088.52	38.39	30.28	91.69	1,439.40	932.32	1,211.27	1,142.90	68.37	17.716 SF		
7,550.00	7,126.41	7,096.00	7,095.71	38.99	30.31	91.19	1,439.41	932.33	1,220.75	1,151.88	68.87	17.725		
7,600.00	7,129.75	7,099.29	7,099.00	39.62	30.33	90.28	1,439.42	932.33	1,232.40	1,163.06	69.34	17.773		
7,616.41	7,130.00	7,099.51	7,099.23	39.83	30.33	89.90	1,439.42	932.33	1,236.68	1,167.19	69.49	17.798		
7,700.00	7,130.16	7,099.61	7,099.32	40.97	30.33	89.90	1,439.42	932.33	1,261.61	1,191.39	70.22	17.967		
7,800.00	7,130.35	7,099.73	7,099.44	42.46	30.33	89.91	1,439.42	932.33	1,297.89	1,226.82	71.07	18.263		
7,900.00	7,130.55	7,099.84	7,099.55	44.09	30.33	89.91	1,439.42	932.33	1,340.66	1,268.79	71.87	18.654		
8,000.00	7,130.74	7,099.96	7,099.67	45.84	30.33	89.92	1,439.42	932.33	1,389.33	1,316.72	72.61	19.134		
8,100.00	7,130.94	7,100.07	7,099.78	47.70	30.33	89.92	1,439.42	932.33	1,443.30	1,370.02	73.28	19.697		
8,200.00	7,131.13	7,100.19	7,099.90	49.65	30.33	89.93	1,439.42	932.33	1,501.99	1,428.12	73.87	20.333		
8,300.00	7,131.32	7,100.30	7,100.01	51.70	30.33	89.94	1,439.42	932.33	1,564.87	1,490.49	74.39	21.037		
8,400.00	7,131.52	7,100.41	7,100.13	53.81	30.33	89.94	1,439.42	932.33	1,631.47	1,556.63	74.84	21.799		
8,500.00	7,131.71	7,100.52	7,100.24	55.99	30.33	89.95	1,439.42	932.33	1,701.34	1,626.11	75.23	22.614		
8,600.00	7,131.90	7,100.63	7,100.35	58.24	30.33	89.95	1,439.42	932.33	1,774.10	1,698.52	75.57	23.475		
8,700.00	7,132.10	7,100.74	7,100.45	60.53	30.33	89.96	1,439.42	932.33	1,849.40	1,773.54	75.86	24.378		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,132.29	7,100.85	7,100.56	62.87	30.33	89.96	1,439.42	932.33	1,926.95	1,850.84	76.12	25.316		
8,900.00	7,132.49	7,100.95	7,100.67	65.25	30.33	89.97	1,439.42	932.33	2,006.49	1,930.16	76.33	26.286		
9,000.00	7,132.68	7,101.06	7,100.77	67.68	30.33	89.97	1,439.42	932.33	2,087.79	2,011.27	76.52	27.285		
9,100.00	7,132.87	7,101.16	7,100.87	70.13	30.33	89.98	1,439.42	932.33	2,170.65	2,093.97	76.68	28.308		
9,200.00	7,133.07	7,101.26	7,100.98	72.61	30.33	89.98	1,439.42	932.33	2,254.90	2,178.09	76.82	29.354		
9,300.00	7,133.26	7,101.37	7,101.08	75.13	30.33	89.99	1,439.42	932.33	2,340.40	2,263.46	76.94	30.419		
9,400.00	7,133.46	7,101.47	7,101.18	77.66	30.34	89.99	1,439.42	932.33	2,427.00	2,349.96	77.04	31.502		
9,500.00	7,133.65	7,101.57	7,101.29	80.22	30.34	90.00	1,439.42	932.33	2,514.59	2,437.46	77.13	32.600		
9,600.00	7,133.84	7,101.68	7,101.39	82.80	30.34	90.00	1,439.42	932.33	2,603.08	2,525.87	77.21	33.712		
9,700.00	7,134.04	7,101.78	7,101.49	85.40	30.34	90.01	1,439.42	932.33	2,692.38	2,615.09	77.29	34.837		
9,800.00	7,134.23	7,101.88	7,101.59	88.01	30.34	90.01	1,439.42	932.33	2,782.40	2,705.06	77.35	35.973		
9,900.00	7,134.43	7,101.98	7,101.69	90.64	30.34	90.02	1,439.42	932.33	2,873.09	2,795.68	77.40	37.118		
10,000.00	7,134.62	7,102.08	7,101.79	93.28	30.34	90.02	1,439.42	932.33	2,964.37	2,886.92	77.45	38.273		
10,100.00	7,134.81	7,102.18	7,101.89	95.94	30.34	90.03	1,439.42	932.33	3,056.20	2,978.70	77.50	39.435		
10,200.00	7,135.01	7,102.27	7,101.99	98.61	30.34	90.03	1,439.42	932.33	3,148.53	3,070.99	77.54	40.605		
10,300.00	7,135.20	7,102.37	7,102.08	101.28	30.34	90.03	1,439.42	932.33	3,241.31	3,163.73	77.58	41.781		
10,400.00	7,135.39	7,102.47	7,102.18	103.97	30.34	90.04	1,439.42	932.33	3,334.51	3,256.89	77.61	42.963		
10,500.00	7,135.59	7,102.56	7,102.28	106.67	30.34	90.04	1,439.42	932.33	3,428.09	3,350.44	77.65	44.150		
10,600.00	7,135.78	7,102.66	7,102.37	109.38	30.34	90.05	1,439.42	932.33	3,522.03	3,444.35	77.68	45.342		
10,700.00	7,135.98	7,102.76	7,102.47	112.09	30.34	90.05	1,439.42	932.33	3,616.29	3,538.58	77.71	46.537		
10,800.00	7,136.17	7,102.85	7,102.56	114.81	30.34	90.06	1,439.42	932.33	3,710.85	3,633.11	77.74	47.737		
10,900.00	7,136.36	7,102.94	7,102.66	117.54	30.34	90.06	1,439.43	932.33	3,805.69	3,727.93	77.76	48.940		
11,000.00	7,136.56	7,103.04	7,102.75	120.28	30.34	90.07	1,439.43	932.33	3,900.78	3,823.00	77.79	50.146		
11,100.00	7,136.75	7,102.99	7,102.70	123.02	30.34	90.06	1,439.42	932.33	3,996.12	3,918.31	77.81	51.355		
11,200.00	7,136.95	7,103.07	7,102.78	125.76	30.34	90.07	1,439.43	932.33	4,091.68	4,013.84	77.84	52.565		
11,300.00	7,137.14	7,103.15	7,102.86	128.52	30.34	90.07	1,439.43	932.33	4,187.45	4,109.58	77.86	53.778		
11,400.00	7,137.33	7,103.23	7,102.94	131.27	30.34	90.08	1,439.43	932.33	4,283.41	4,205.52	77.89	54.993		
11,500.00	7,137.53	7,103.30	7,103.02	134.03	30.34	90.08	1,439.43	932.33	4,379.55	4,301.63	77.92	56.209		
11,600.00	7,137.72	7,103.38	7,103.09	136.80	30.34	90.08	1,439.43	932.33	4,475.86	4,397.92	77.94	57.426		
11,700.00	7,137.92	7,103.46	7,103.17	139.57	30.34	90.09	1,439.43	932.33	4,572.32	4,494.36	77.97	58.645		
11,800.00	7,138.11	7,103.53	7,103.25	142.34	30.34	90.09	1,439.43	932.33	4,668.94	4,590.95	77.99	59.864		
11,900.00	7,138.30	7,103.61	7,103.32	145.12	30.34	90.09	1,439.43	932.33	4,765.70	4,687.68	78.02	61.084		
12,000.00	7,138.50	7,103.68	7,103.40	147.90	30.34	90.10	1,439.43	932.33	4,862.59	4,784.54	78.05	62.305		
12,100.00	7,138.69	7,103.76	7,103.47	150.68	30.34	90.10	1,439.43	932.33	4,959.60	4,881.52	78.07	63.526		
12,200.00	7,138.88	7,103.83	7,103.54	153.47	30.34	90.11	1,439.43	932.33	5,056.72	4,978.62	78.10	64.747		
12,300.00	7,139.08	7,103.90	7,103.61	156.26	30.35	90.11	1,439.43	932.33	5,153.96	5,075.83	78.13	65.968		
12,400.00	7,139.27	7,103.97	7,103.69	159.05	30.35	90.11	1,439.43	932.33	5,251.30	5,173.15	78.16	67.189		
12,500.00	7,139.47	7,104.04	7,103.76	161.85	30.35	90.12	1,439.43	932.33	5,348.74	5,270.56	78.19	68.410		
12,600.00	7,139.66	7,104.11	7,103.83	164.64	30.35	90.12	1,439.43	932.33	5,446.28	5,368.06	78.22	69.631		
12,700.00	7,139.85	7,104.18	7,103.89	167.44	30.35	90.12	1,439.43	932.33	5,543.90	5,465.65	78.25	70.851		
12,800.00	7,140.05	7,104.25	7,103.96	170.24	30.35	90.13	1,439.43	932.33	5,641.60	5,563.32	78.28	72.071		
12,900.00	7,140.24	7,104.32	7,104.03	173.05	30.35	90.13	1,439.43	932.33	5,739.38	5,661.07	78.31	73.290		
13,000.00	7,140.44	7,104.39	7,104.10	175.85	30.35	90.13	1,439.43	932.33	5,837.24	5,758.90	78.34	74.508		
13,100.00	7,140.63	7,104.45	7,104.16	178.66	30.35	90.13	1,439.43	932.33	5,935.17	5,856.79	78.38	75.726		
13,200.00	7,140.82	7,104.52	7,104.23	181.47	30.35	90.14	1,439.43	932.33	6,033.17	5,954.75	78.41	76.942		
13,300.00	7,141.02	7,104.58	7,104.30	184.28	30.35	90.14	1,439.43	932.33	6,131.23	6,052.78	78.45	78.158		
13,400.00	7,141.21	7,104.65	7,104.36	187.10	30.35	90.14	1,439.43	932.33	6,229.35	6,150.87	78.48	79.372		
13,500.00	7,141.41	7,104.71	7,104.42	189.91	30.35	90.15	1,439.43	932.33	6,327.53	6,249.01	78.52	80.586		
13,600.00	7,141.60	7,104.77	7,104.49	192.73	30.35	90.15	1,439.43	932.33	6,425.77	6,347.21	78.56	81.798		
13,700.00	7,141.79	7,104.84	7,104.55	195.54	30.35	90.15	1,439.43	932.33	6,524.06	6,445.47	78.59	83.009		
13,800.00	7,141.99	7,104.90	7,104.61	198.36	30.35	90.16	1,439.43	932.33	6,622.41	6,543.77	78.63	84.219		
13,900.00	7,142.18	7,104.96	7,104.67	201.18	30.35	90.16	1,439.43	932.33	6,720.80	6,642.12	78.67	85.427		

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 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,142.37	7,105.02	7,104.73	204.01	30.35	90.16	1,439.43	932.33	6,819.24	6,740.52	78.71	86.633		
14,100.00	7,142.57	7,105.08	7,104.79	206.83	30.35	90.17	1,439.43	932.33	6,917.72	6,838.96	78.75	87.838		
14,200.00	7,142.76	7,105.14	7,104.85	209.65	30.35	90.17	1,439.43	932.33	7,016.25	6,937.45	78.80	89.042		
14,300.00	7,142.96	7,105.20	7,104.91	212.48	30.35	90.17	1,439.43	932.33	7,114.81	7,035.97	78.84	90.244		
14,400.00	7,143.15	7,105.26	7,104.97	215.30	30.35	90.17	1,439.43	932.33	7,213.42	7,134.54	78.88	91.444		
14,500.00	7,143.34	7,105.32	7,105.03	218.13	30.35	90.18	1,439.43	932.33	7,312.06	7,233.14	78.93	92.642		
14,600.00	7,143.54	7,105.38	7,105.09	220.96	30.35	90.18	1,439.43	932.33	7,410.75	7,331.77	78.97	93.839		
14,700.00	7,143.73	7,105.43	7,105.14	223.79	30.35	90.18	1,439.43	932.33	7,509.46	7,430.44	79.02	95.033		
14,800.00	7,143.93	7,105.49	7,105.20	226.62	30.35	90.18	1,439.43	932.33	7,608.21	7,529.15	79.07	96.226		
14,838.32	7,144.00	7,105.51	7,105.22	227.70	30.35	90.19	1,439.43	932.33	7,646.06	7,566.98	79.08	96.683		
14,900.00	7,144.12	7,105.54	7,105.26	229.45	30.35	90.22	1,439.43	932.33	7,707.09	7,627.98	79.11	97.418		
15,000.00	7,144.32	7,105.60	7,105.31	232.26	30.35	90.32	1,439.43	932.33	7,806.42	7,727.26	79.16	98.612		
15,027.81	7,144.37	7,105.61	7,105.32	233.04	30.35	90.36	1,439.43	932.33	7,834.11	7,754.93	79.18	98.944		
15,100.00	7,144.51	7,105.65	7,105.36	235.07	30.35	90.36	1,439.43	932.33	7,906.03	7,826.81	79.21	99.807		
15,200.00	7,144.71	7,105.69	7,105.41	237.87	30.35	90.37	1,439.43	932.33	8,005.66	7,926.39	79.26	101.000		
15,300.00	7,144.91	7,105.74	7,105.45	240.68	30.35	90.37	1,439.43	932.33	8,105.30	8,025.98	79.32	102.191		
15,400.00	7,145.10	7,105.79	7,105.50	243.48	30.35	90.38	1,439.43	932.33	8,204.94	8,125.58	79.37	103.379		
15,500.00	7,145.30	7,105.84	7,105.55	246.29	30.35	90.38	1,439.43	932.33	8,304.60	8,225.18	79.42	104.565		
15,600.00	7,145.50	7,105.88	7,105.60	249.10	30.35	90.38	1,439.43	932.33	8,404.27	8,324.79	79.47	105.749		
15,700.00	7,145.69	7,105.93	7,105.64	251.91	30.35	90.39	1,439.43	932.33	8,503.94	8,424.41	79.53	106.929		
15,800.00	7,145.89	7,105.98	7,105.69	254.71	30.35	90.39	1,439.43	932.33	8,603.62	8,524.03	79.58	108.108		
15,900.00	7,146.09	7,106.02	7,105.73	257.52	30.35	90.40	1,439.43	932.34	8,703.31	8,623.67	79.64	109.283		
16,000.00	7,146.28	7,106.07	7,105.78	260.34	30.35	90.40	1,439.43	932.34	8,803.00	8,723.30	79.70	110.456		
16,100.00	7,146.48	7,106.11	7,105.82	263.15	30.35	90.40	1,439.43	932.34	8,902.70	8,822.95	79.75	111.627		
16,200.00	7,146.68	7,106.16	7,105.87	265.96	30.35	90.41	1,439.43	932.34	9,002.41	8,922.60	79.81	112.794		
16,300.00	7,146.87	7,106.20	7,105.91	268.77	30.36	90.41	1,439.43	932.34	9,102.12	9,022.25	79.87	113.959		
16,400.00	7,147.07	7,106.24	7,105.96	271.58	30.36	90.41	1,439.43	932.34	9,201.84	9,121.91	79.93	115.122		
16,500.00	7,147.27	7,106.29	7,106.00	274.40	30.36	90.42	1,439.43	932.34	9,301.57	9,221.58	79.99	116.281		
16,600.00	7,147.46	7,106.33	7,106.04	277.21	30.36	90.42	1,439.43	932.34	9,401.30	9,321.25	80.05	117.438		
16,700.00	7,147.66	7,106.37	7,106.09	280.03	30.36	90.42	1,439.43	932.34	9,501.04	9,420.93	80.12	118.592		
16,800.00	7,147.86	7,106.42	7,106.13	282.84	30.36	90.43	1,439.43	932.34	9,600.79	9,520.61	80.18	119.743		
16,900.00	7,148.05	7,106.46	7,106.17	285.66	30.36	90.43	1,439.43	932.34	9,700.53	9,620.29	80.24	120.892		
17,000.00	7,148.25	7,106.50	7,106.21	288.48	30.36	90.44	1,439.43	932.34	9,800.29	9,719.98	80.31	122.037		
17,100.00	7,148.45	7,106.54	7,106.25	291.29	30.36	90.44	1,439.43	932.34	9,900.05	9,819.68	80.37	123.180		
17,200.00	7,148.64	7,106.58	7,106.30	294.11	30.36	90.44	1,439.43	932.34	9,999.81	9,919.37	80.44	124.320		

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
Reference Well: Falken 9N-9C-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Falken 9N-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

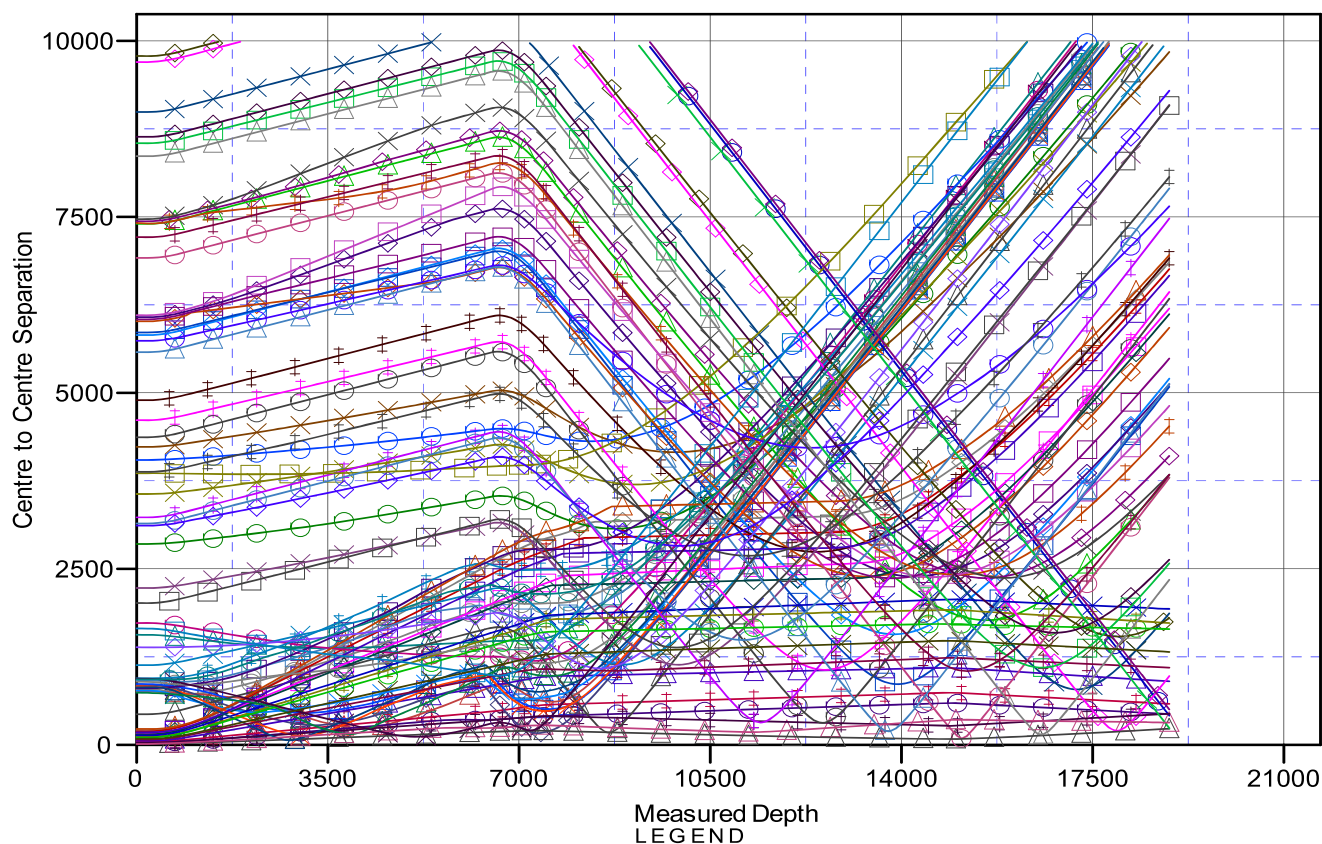
Central Meridian is -105.5000000

Coordinates are relative to: Falken 9N-9C-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Ladder Plot



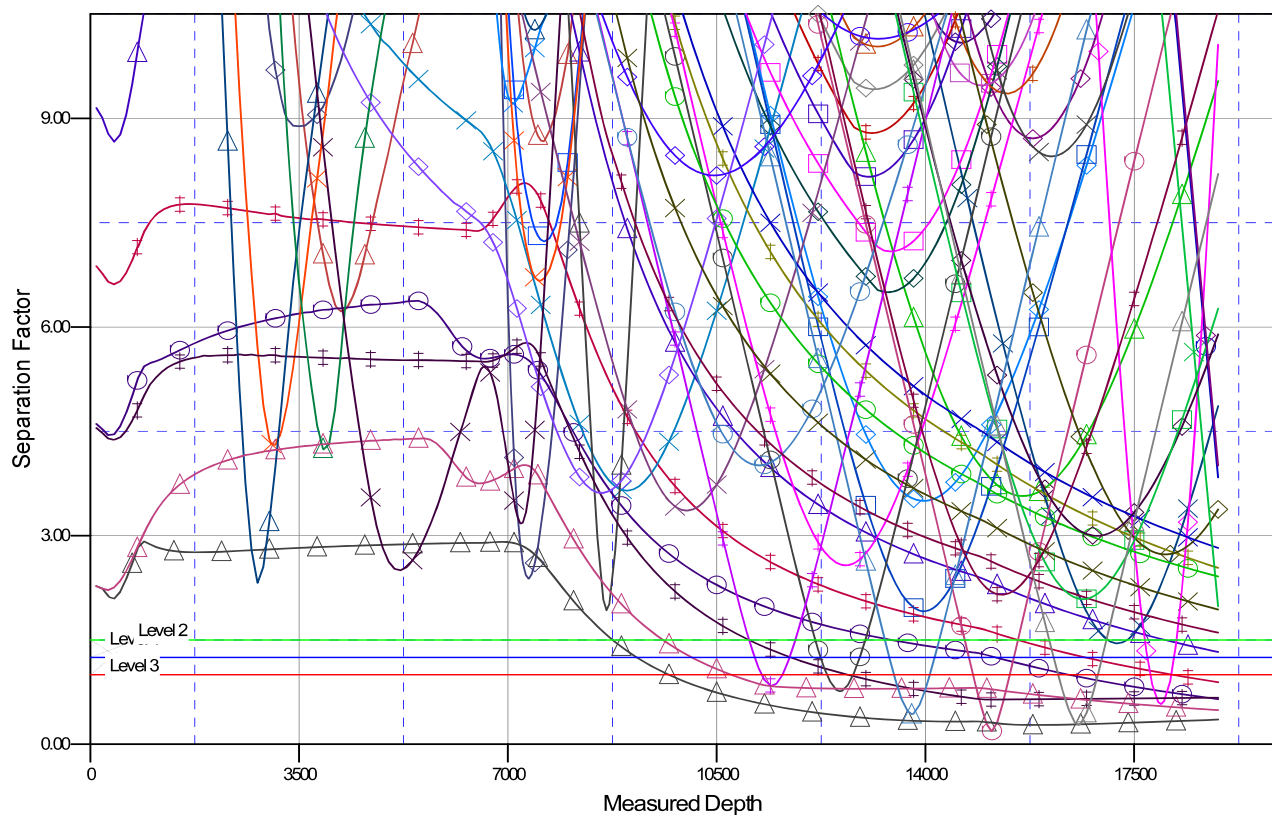
Fagerberg 15N-7A-M, OH, OH V0
 Carlson #14-2(S), OH, OH V0
 Falken 31N-14B-S, OH, Plan#1 V0
 Fagerberg 6C-7-M, OH, OH V0
 Falken 4N-14C-S, OH, Plan#1 V0
 ANDERSON #11-10-6-66(PA), OH, OH V0
 Harvesters Resources #15R-323(PR), OH, OH V0
 Carlson #14-1(PR), OH, OH V0
 OTTOSON #3(PR), OH, OH V0
 Falken 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 23N(S)-7B-M, OH, OH V0
 JOHNSON #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
 Merrit#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
 Montera #10-33(PR), 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 32N-9B-L, OH, Plan#1 V0
 Falken 32C-9-L, OH, Plan#1 V0
 Falken 31C-14-S, Plan#1, 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
 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
 Merrit#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
 JOHNSON #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
 Merrit#6-66-9-0758CDH(PR), OH, OH V0
 SOUTH WOODS #10-3(PA), OH, OH V0
 Fagerberg 36C-7-M, OH, OH V0

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 9N-9C-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 9N-9C-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 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 9N-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	Montera #10-33(PR), OH, OH V0	Merrit#6-66-9-0857CH(PR), OH, OH V0
OTTOSON #3(PR), OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Falken 16N-9B-L, OH, Plan#1 V0
Falken 33N-9A-L, OH, Plan#1 V0	BLACK GOLD PETROLEUM #2(S), OH, OH V0	Falken 9C-9-L, OH, Plan#1 V0
Montera #10-34(PR), OH, OH V0	Fagerberg 25N-7C-M, OH, OH 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
SOUTHWARD #2(PR), OH, OH V0	Falken 31C-14-S, Plan#1, Plan#1 V0	CARLSON #10-1(PA), OH, OH V0
MONTERA #14-8, OH, OH V0	KRISTY #1(PA), OH, OH V0	Montera #10-43(S), OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0	Harvesters Resources #15R-243(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	Falken 4N-14A-S, OH, Plan#1 V0	OTTOSON #12-12(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	GLEESPIE #11-1(PA), OH, OH V0	Merrit#6-66-9-0758CDH(PR), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	ANDERSON JANUARY #1(PR), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
Falken 33C-9-L, OH, Plan#1 V0		Fagerberg 36C-7-M, OH, OH V0