



Synergy Resources Corporation

**SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 33N-9A-L**

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	4/24/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	18,703.77	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	12,257.86	6,916.85	3,561.59	3,161.84	8.910	CC
146 COMPANY #14-1 - OH - OH	12,400.00	6,917.23	3,564.43	3,160.85	8.832	ES
146 COMPANY #14-1 - OH - OH	12,900.00	6,918.56	3,619.02	3,204.09	8.722	SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,705.20	6,958.70	877.11	435.32	1.985	CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	15,062.32	7,000.31	1,757.55	1,276.00	3.650	CC
ANDERSON #32-10(PR) - OH - OH	15,100.00	7,000.41	1,757.96	1,275.38	3.643	ES
ANDERSON #32-10(PR) - OH - OH	15,200.00	7,000.68	1,762.94	1,278.16	3.637	SF
ANDERSON #42-10(PR) - OH - OH	13,719.96	6,986.74	1,559.09	1,115.90	3.518	CC, ES
ANDERSON #42-10(PR) - OH - OH	13,800.00	6,986.95	1,561.14	1,115.92	3.506	SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,372.39	6,976.15	348.98	-56.04	0.862	Level 1, CC, ES, SF
BLACK GOLD #5(PR) - OH - OH	16,980.66	7,002.59	161.82	-374.18	0.302	Level 1, CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	17,707.82	6,980.35	944.99	389.12	1.700	CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	17,740.59	6,991.62	394.07	49.39	1.143	Level 2, CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	16,549.21	6,978.27	949.77	426.87	1.816	CC, ES
BLACKGOLD #3(PA) - OH - OH	16,600.00	6,978.40	951.13	427.21	1.815	SF
CARLSON #10-1(PA) - OH - OH	16,422.74	6,989.93	1,749.61	1,229.88	3.366	CC
CARLSON #10-1(PA) - OH - OH	16,500.00	7,009.87	1,751.31	1,228.95	3.353	ES, SF
CARLSON #14-1(PR) - OH - OH	8,648.43	6,994.06	2,506.23	2,413.00	26.882	CC
CARLSON #14-1(PR) - OH - OH	8,700.00	6,995.37	2,506.76	2,412.33	26.546	ES
CARLSON #14-1(PR) - OH - OH	9,600.00	7,021.13	2,680.69	2,568.72	23.941	SF
CARLSON #14-2(SI) - OH - OH	9,764.30	6,906.21	3,559.96	3,228.84	10.751	CC
CARLSON #14-2(SI) - OH - OH	9,900.00	6,906.57	3,562.54	3,227.91	10.646	ES
CARLSON #14-2(SI) - OH - OH	10,500.00	6,908.17	3,635.18	3,286.55	10.427	SF
Fagerberg 11C-7-M - OH - OH	7,605.36	6,990.65	24.60	-46.57	0.346	Level 1, CC, ES, SF
Fagerberg 11N-7A-M - OH - OH	7,349.65	7,062.77	116.05	47.73	1.699	CC, ES, SF
Fagerberg 15N-7A-M - OH - OH	1,215.16	1,114.74	646.79	634.91	54.435	CC, ES
Fagerberg 15N-7A-M - OH - OH	7,900.00	6,613.12	1,490.32	1,415.73	19.978	SF
Fagerberg 23N-7C-M - OH - OH	7,525.68	6,999.49	628.73	558.36	8.934	CC, ES
Fagerberg 23N-7C-M - OH - OH	7,600.00	6,948.83	631.08	559.94	8.871	SF
Fagerberg 25N(S)-7B-M - OH - OH	2,921.91	2,925.60	119.69	92.03	4.327	CC, ES, SF
Fagerberg 25N-7B-M - OH - OH	2,424.43	2,453.86	49.16	25.01	2.036	CC, ES, SF
Fagerberg 25N-7C-M - OH - OH	2,605.73	2,623.54	12.68	-12.34	0.507	Level 1, CC, ES, SF
Fagerberg 28N-18B-M - OH - OH	630.98	528.17	907.10	899.10	113.429	CC
Fagerberg 28N-18B-M - OH - OH	803.50	665.37	907.14	898.24	101.962	ES
Fagerberg 28N-18B-M - OH - OH	8,400.00	6,950.29	2,092.37	2,005.01	23.951	SF

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

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Falken 9-11 PAD						
Fagerberg 36C-7-M - OH - OH	957.71	834.25	868.53	858.97	90.789	CC, ES
Fagerberg 36C-7-M - OH - OH	8,100.00	6,846.00	1,682.43	1,602.45	21.035	SF
Fagerberg 36N-7B-M - OH - OH	1,108.79	982.07	827.67	816.90	76.875	CC, ES
Fagerberg 36N-7B-M - OH - OH	7,900.00	6,845.00	1,329.54	1,253.60	17.508	SF
Fagerberg 3C-18-M - OH - OH	100.00	87.81	768.57	765.09	221.019	CC, ES
Fagerberg 3C-18-M - OH - OH	8,600.00	6,509.08	2,420.15	2,331.62	27.338	SF
Fagerberg 6C-7-M - OH - OH	3,490.46	3,479.64	93.53	61.46	2.916	CC, ES
Fagerberg 6C-7-M - OH - OH	3,500.00	3,488.35	93.60	61.46	2.913	SF
Fagerberg 6N-7C-M - OH - OH	3,328.99	3,323.60	40.17	9.60	1.314	Level 3, CC, ES, SF
Falken 16C-9-L - OH - Plan #1	325.42	325.18	44.51	37.56	6.399	CC, ES
Falken 16C-9-L - OH - Plan #1	18,704.56	19,046.41	815.95	171.63	1.266	Level 3, SF
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	59.75	53.08	8.953	CC, ES
Falken 16N-9B-L - OH - Plan #1	18,704.56	18,901.76	1,099.00	420.77	1.620	SF
Falken 30C-14-S - OH - Plan #1	200.00	200.00	119.86	113.19	17.959	CC, ES
Falken 30C-14-S - OH - Plan #1	13,100.00	13,555.88	1,927.78	1,569.47	5.380	SF
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	104.93	98.26	15.722	CC, ES
Falken 30N-14B-S - OH - Plan #1	13,100.00	13,368.87	1,701.20	1,339.03	4.697	SF
Falken 31C-14-S - Plan #1 - Plan #1	321.63	320.44	179.64	172.70	25.871	CC, ES
Falken 31C-14-S - Plan #1 - Plan #1	12,900.00	13,480.77	2,822.87	2,479.79	8.228	SF
Falken 31N-14B-S - OH - Plan #1	321.80	320.71	164.70	157.76	23.717	CC, ES
Falken 31N-14B-S - OH - Plan #1	12,900.00	13,256.62	2,599.99	2,255.40	7.545	SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	75.04	68.37	11.244	CC, ES
Falken 32C-9-L - OH - Plan #1	18,704.56	19,035.64	1,028.13	369.89	1.562	SF
Falken 32N-9B-L - OH - Plan #1	200.00	200.00	60.11	53.43	9.006	CC, ES
Falken 32N-9B-L - OH - Plan #1	18,704.56	18,852.77	776.56	97.26	1.143	Level 2, SF
Falken 33C-9-L - OH - Plan #1	309.91	309.89	14.76	7.85	2.135	CC
Falken 33C-9-L - OH - Plan #1	18,704.56	19,022.43	447.04	-96.78	0.822	Level 1, ES, SF
Falken 33N-9B-L - OH - Plan #1	200.00	200.00	14.93	8.25	2.237	CC
Falken 33N-9B-L - OH - Plan #1	18,704.56	18,837.93	166.93	-350.98	0.322	Level 1, ES, SF
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	29.87	23.20	4.476	CC
Falken 33N-9C-L - OH - Plan #1	18,704.56	18,917.61	572.69	-79.76	0.878	Level 1, ES, SF
Falken 34C-9-L - OH - Plan #1	323.44	322.99	74.73	67.78	10.753	CC, ES
Falken 34C-9-L - OH - Plan #1	18,704.56	19,118.22	1,209.53	543.75	1.817	SF
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	89.99	83.31	13.483	CC, ES
Falken 34N-9C-L - OH - Plan #1	18,704.56	19,012.99	1,387.09	709.17	2.046	SF
Falken 4N-14A-S - OH - Plan #1	321.76	320.89	134.47	127.53	19.363	CC, ES
Falken 4N-14A-S - OH - Plan #1	12,800.00	13,002.01	2,136.69	1,793.19	6.220	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	149.74	143.06	22.436	CC, ES
Falken 4N-14C-S - OH - Plan #1	12,800.00	13,210.89	2,370.61	2,028.73	6.934	SF
Falken 9C-9-L - OH - Plan #1	200.00	200.00	30.24	23.56	4.531	CC
Falken 9C-9-L - OH - Plan #1	18,704.56	19,025.91	387.22	-96.20	0.801	Level 1, ES, SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	45.17	38.50	6.768	CC
Falken 9N-9C-L - OH - Plan #1	18,704.56	18,906.26	584.12	-69.67	0.893	Level 1, ES, SF
GILLESPIE #11-1(PA) - OH - OH	9,693.15	6,942.02	1,737.54	1,407.05	5.257	CC
GILLESPIE #11-1(PA) - OH - OH	9,700.00	6,942.04	1,737.55	1,406.88	5.255	ES
GILLESPIE #11-1(PA) - OH - OH	9,900.00	6,942.57	1,749.81	1,414.31	5.216	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,596.83	6,600.00	1,667.07	1,390.22	6.021	CC
Harvesters Resources #15M-303(PR) - OH - OH	15,600.00	6,600.00	1,667.08	1,390.14	6.020	ES
Harvesters Resources #15M-303(PR) - OH - OH	15,700.00	6,600.00	1,670.26	1,391.12	5.983	SF
Harvesters Resources #15M-423(PR) - OH - OH	15,260.40	6,635.00	1,649.91	1,382.28	6.165	CC
Harvesters Resources #15M-423(PR) - OH - OH	15,300.00	6,635.00	1,650.38	1,381.74	6.143	ES

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

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
Falken 9-11 PAD						
Harvesters Resources #15M-423(PR) - OH - OH	15,400.00	6,635.00	1,655.80	1,385.18	6.119 SF	
Harvesters Resources #15R-243(PR) - OH - OH	14,785.10	6,574.00	1,678.53	1,425.56	6.635 CC	
Harvesters Resources #15R-243(PR) - OH - OH	14,800.00	6,574.00	1,678.60	1,425.21	6.625 ES	
Harvesters Resources #15R-243(PR) - OH - OH	15,000.00	6,574.00	1,692.23	1,434.96	6.578 SF	
Harvesters Resources #15R-323(PR) - OH - OH	14,106.45	6,600.00	1,663.43	1,429.35	7.106 CC, ES	
Harvesters Resources #15R-323(PR) - OH - OH	14,300.00	6,600.00	1,674.65	1,436.83	7.042 SF	
Harvesters Resources #15R-403(PR) - OH - OH	14,437.26	6,700.00	1,647.07	1,398.08	6.615 CC	
Harvesters Resources #15R-403(PR) - OH - OH	14,500.00	6,700.00	1,648.26	1,397.79	6.581 ES	
Harvesters Resources #15R-403(PR) - OH - OH	14,600.00	6,700.00	1,655.09	1,402.92	6.563 SF	
Harvesters Resources #15U-203(PR) - OH - OH	13,231.19	6,553.34	1,684.36	1,476.45	8.101 CC	
Harvesters Resources #15U-203(PR) - OH - OH	13,300.00	6,553.41	1,685.77	1,476.05	8.038 ES	
Harvesters Resources #15U-203(PR) - OH - OH	13,400.00	6,553.53	1,692.80	1,480.99	7.992 SF	
Harvesters Resources #15U-443(PR) - OH - OH	13,692.04	6,648.70	1,649.60	1,428.07	7.446 CC	
Harvesters Resources #15U-443(PR) - OH - OH	13,700.00	6,648.70	1,649.62	1,427.87	7.439 ES	
Harvesters Resources #15U-443(PR) - OH - OH	13,900.00	6,648.91	1,662.66	1,436.92	7.365 SF	
J.R. #1(PA) - OH - OH	200.00	106.00	1,430.78	1,423.63	199.958 CC	
J.R. #1(PA) - OH - OH	8,300.00	6,848.32	1,648.95	1,356.23	5.633 ES	
J.R. #1(PA) - OH - OH	8,500.00	6,848.85	1,664.28	1,367.25	5.603 SF	
Jeff #1 - OH - OH	11,072.16	6,920.08	2,055.42	1,898.74	13.119 CC	
Jeff #1 - OH - OH	11,100.00	6,920.23	2,055.61	1,898.18	13.058 ES	
Jeff #1 - OH - OH	11,500.00	6,922.32	2,099.48	1,933.89	12.679 SF	
JOHNSON #1(PA) - OH - OH	9,722.66	6,968.11	790.66	670.31	6.570 CC, ES	
JOHNSON #1(PA) - OH - OH	9,800.00	6,968.72	794.44	672.53	6.517 SF	
JOHNSON #11-16G6(TA) - OH - OH	8,741.92	6,924.49	567.78	262.11	1.858 CC, ES, SF	
JOHNSON #2(PA) - OH - OH	8,459.48	6,926.82	394.41	305.86	4.454 CC, ES	
JOHNSON #2(PA) - OH - OH	8,500.00	6,927.10	396.48	307.10	4.436 SF	
KRISTY #1(PA) - OH - OH	12,315.74	6,928.20	2,081.85	1,890.64	10.888 CC	
KRISTY #1(PA) - OH - OH	12,400.00	6,928.24	2,083.55	1,890.15	10.773 ES	
KRISTY #1(PA) - OH - OH	12,700.00	6,928.38	2,117.01	1,917.95	10.635 SF	
Merritt #6-66-9-0758CDH(PR) - OH - OH	18,704.56	10,918.79	600.11	447.74	3.938 CC, ES, SF	
Merritt #6-66-9-0857CH(PR) - OH - OH	18,704.56	10,963.43	321.78	159.06	1.978 CC, ES, SF	
Merritt 6-66-9-0857BH(PR) - OH - OH	18,704.56	10,752.01	443.88	304.39	3.182 CC, ES, SF	
MICHAEL I #14-2 - OH - OH	9,838.47	6,925.41	2,226.67	1,892.92	6.672 CC	
MICHAEL I #14-2 - OH - OH	9,900.00	6,925.57	2,227.52	1,892.18	6.643 ES	
MICHAEL I #14-2 - OH - OH	10,100.00	6,926.11	2,241.98	1,901.94	6.593 SF	
Montera #10-33(PR) - OH - OH	14,912.29	6,976.91	621.03	144.54	1.303 Level 3, CC, ES, SF	
Montera #10-34(PR) - OH - OH	15,276.22	6,964.88	1,073.36	586.99	2.207 CC	
Montera #10-34(PR) - OH - OH	15,300.00	6,964.94	1,073.62	586.65	2.205 ES, SF	
Montera #10-43(SI) - OH - OH	13,576.52	6,966.36	498.74	60.30	1.138 Level 2, CC, ES, SF	
MONTERA I #11-11(PR) - OH - OH	11,232.59	6,966.12	315.02	-58.00	0.845 Level 1, CC, ES, SF	
MONTERA I #11-14(PR) - OH - OH	10,929.29	6,947.31	863.24	499.22	2.371 CC, ES	
MONTERA I #11-14(PR) - OH - OH	11,000.00	6,947.50	866.13	500.62	2.370 SF	
MONTERA I #14-8 - OH - OH	8,231.34	6,920.13	3,753.76	3,460.05	12.781 CC	
MONTERA I #14-8 - OH - OH	8,300.00	6,920.32	3,754.38	3,459.20	12.719 ES	
MONTERA I #14-8 - OH - OH	9,200.00	6,922.71	3,876.72	3,562.01	12.318 SF	
OPAL #1(PA) - OH - OH	12,382.25	7,006.82	1,729.74	1,323.39	4.257 CC	
OPAL #1(PA) - OH - OH	12,400.00	7,006.77	1,729.84	1,322.98	4.252 ES	
OPAL #1(PA) - OH - OH	12,500.00	7,006.51	1,733.75	1,324.43	4.236 SF	
OTTOSON #2(PA) - OH - OH	7,085.44	6,920.47	3,455.29	3,390.35	53.207 CC	
OTTOSON #2(PA) - OH - OH	7,100.00	6,913.21	3,455.33	3,390.30	53.136 ES	
OTTOSON #2(PA) - OH - OH	9,300.00	6,957.13	4,145.42	4,047.80	42.466 SF	

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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Falken 9-11 PAD						
OTTOSON #3(PR) - OH - OH	7,035.73	6,777.62	957.34	893.44	14.983	CC
OTTOSON #3(PR) - OH - OH	7,050.00	6,785.69	957.42	893.40	14.955	ES
OTTOSON #3(PR) - OH - OH	7,200.00	6,852.29	968.98	903.63	14.828	SF
OTTOSON I #12-12(PR) - OH - OH	5,205.96	5,079.29	265.84	218.17	5.576	CC, ES
OTTOSON I #12-12(PR) - OH - OH	7,050.00	6,797.05	318.44	254.21	4.957	SF
OTTOSON I #12-25(PR) - OH - OH	6,444.94	6,286.37	713.92	657.44	12.641	CC
OTTOSON I #12-25(PR) - OH - OH	6,450.00	6,291.84	713.94	657.42	12.633	ES
OTTOSON I #12-25(PR) - OH - OH	6,500.00	6,343.05	716.06	659.17	12.588	SF
POP I #14-17 - OH - OH	9,045.57	6,919.30	3,118.97	2,805.98	9.965	CC
POP I #14-17 - OH - OH	9,100.00	6,919.45	3,119.45	2,805.11	9.924	ES
POP I #14-17 - OH - OH	9,700.00	6,921.04	3,186.89	2,858.83	9.714	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,361.08	6,959.77	507.05	-9.87	0.981	Level 1, CC, ES, SF
SOUTHARD #2(PR) - OH - OH	3,420.13	3,315.81	1,625.20	1,593.87	51.870	CC
SOUTHARD #2(PR) - OH - OH	3,600.00	3,483.21	1,626.19	1,593.26	49.385	ES
SOUTHARD #2(PR) - OH - OH	7,600.00	6,910.62	1,806.47	1,735.65	25.508	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	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)			
0.00	0.00	0.00	0.00	3.28	3.28	-132.01	-3,821.57	-4,242.48	5,710.02					
100.00	100.00	64.00	64.00	3.28	3.47	-132.01	-3,821.57	-4,242.48	5,709.91	5,703.16	6.75	845.945		
200.00	200.00	164.00	164.00	3.34	5.16	-132.01	-3,821.57	-4,242.48	5,709.91	5,701.41	8.49	672.210		
300.00	299.98	263.98	263.98	3.44	8.16	127.98	-3,821.57	-4,242.48	5,710.98	5,699.38	11.60	492.304		
400.00	399.84	363.84	363.84	3.60	11.44	127.98	-3,821.57	-4,242.48	5,714.21	5,699.17	15.03	380.092		
500.00	499.45	463.45	463.45	3.80	14.80	127.96	-3,821.57	-4,242.48	5,719.58	5,700.98	18.60	307.467		
600.00	598.70	562.70	562.70	4.05	18.20	127.94	-3,821.57	-4,242.48	5,727.11	5,704.87	22.24	257.465		
700.00	697.47	661.47	661.47	4.33	21.60	127.90	-3,821.57	-4,242.48	5,736.80	5,710.87	25.93	221.231		
803.50	799.05	763.05	763.05	4.67	25.11	127.86	-3,821.57	-4,242.48	5,749.11	5,719.33	29.78	193.068		
900.00	893.41	857.41	857.41	5.02	28.38	128.02	-3,821.57	-4,242.48	5,761.68	5,728.30	33.39	172.569		
1,000.00	991.20	955.20	955.20	5.41	31.77	128.18	-3,821.57	-4,242.48	5,774.77	5,737.61	37.16	155.423		
1,100.00	1,088.99	1,052.99	1,052.99	5.81	35.17	128.34	-3,821.57	-4,242.48	5,787.89	5,746.95	40.95	141.355		
1,200.00	1,186.78	1,150.78	1,150.78	6.23	38.57	128.50	-3,821.57	-4,242.48	5,801.06	5,756.31	44.75	129.620		
1,300.00	1,284.57	1,248.57	1,248.57	6.67	41.97	128.66	-3,821.57	-4,242.48	5,814.28	5,765.70	48.58	119.690		
1,400.00	1,382.36	1,346.36	1,346.36	7.12	45.37	128.82	-3,821.57	-4,242.48	5,827.55	5,775.13	52.41	111.185		
1,500.00	1,480.15	1,444.15	1,444.15	7.57	48.78	128.98	-3,821.57	-4,242.48	5,840.85	5,784.60	56.26	103.822		
1,600.00	1,577.94	1,541.94	1,541.94	8.03	52.19	129.13	-3,821.57	-4,242.48	5,854.21	5,794.09	60.11	97.389		
1,700.00	1,675.73	1,639.73	1,639.73	8.50	55.59	129.29	-3,821.57	-4,242.48	5,867.60	5,803.63	63.97	91.723		
1,800.00	1,773.52	1,737.52	1,737.52	8.98	59.00	129.44	-3,821.57	-4,242.48	5,881.04	5,813.21	67.84	86.695		
1,900.00	1,871.31	1,835.31	1,835.31	9.45	62.41	129.60	-3,821.57	-4,242.48	5,894.53	5,822.82	71.71	82.204		
2,000.00	1,969.10	1,933.10	1,933.10	9.94	65.82	129.75	-3,821.57	-4,242.48	5,908.05	5,832.47	75.58	78.169		
2,100.00	2,066.88	2,030.88	2,030.88	10.42	69.23	129.91	-3,821.57	-4,242.48	5,921.62	5,842.16	79.46	74.525		
2,200.00	2,164.67	2,128.67	2,128.67	10.91	72.64	130.06	-3,821.57	-4,242.48	5,935.24	5,851.90	83.34	71.219		
2,300.00	2,262.46	2,226.46	2,226.46	11.40	76.05	130.21	-3,821.57	-4,242.48	5,948.89	5,861.67	87.22	68.205		
2,400.00	2,360.25	2,324.25	2,324.25	11.89	79.46	130.36	-3,821.57	-4,242.48	5,962.59	5,871.48	91.11	65.447		
2,500.00	2,458.04	2,422.04	2,422.04	12.39	82.87	130.51	-3,821.57	-4,242.48	5,976.33	5,881.33	94.99	62.913		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
2,600.00	2,555.83	2,519.83	2,519.83	12.88	86.28	130.67	-3,821.57	-4,242.48	5,990.11	5,891.22	98.88	60.579		
2,700.00	2,653.62	2,617.62	2,617.62	13.38	89.70	130.81	-3,821.57	-4,242.48	6,003.93	5,901.16	102.77	58.420		
2,800.00	2,751.41	2,715.41	2,715.41	13.88	93.11	130.96	-3,821.57	-4,242.48	6,017.79	5,911.13	106.66	56.419		
2,900.00	2,849.20	2,813.20	2,813.20	14.38	96.52	131.11	-3,821.57	-4,242.48	6,031.69	5,921.14	110.56	54.558		
3,000.00	2,946.99	2,910.99	2,910.99	14.88	99.93	131.26	-3,821.57	-4,242.48	6,045.64	5,931.19	114.45	52.824		
3,100.00	3,044.78	3,008.78	3,008.78	15.38	103.34	131.41	-3,821.57	-4,242.48	6,059.62	5,941.28	118.34	51.204		
3,200.00	3,142.57	3,106.57	3,106.57	15.89	106.76	131.55	-3,821.57	-4,242.48	6,073.64	5,951.40	122.24	49.687		
3,300.00	3,240.36	3,204.36	3,204.36	16.39	110.17	131.70	-3,821.57	-4,242.48	6,087.70	5,961.57	126.13	48.264		
3,400.00	3,338.15	3,302.15	3,302.15	16.89	113.58	131.84	-3,821.57	-4,242.48	6,101.81	5,971.78	130.03	46.926		
3,500.00	3,435.93	3,400.07	3,399.93	17.40	117.00	131.99	-3,821.57	-4,242.48	6,115.95	5,982.02	133.93	45.665		
3,600.00	3,533.72	3,502.28	3,497.72	17.90	120.56	132.13	-3,821.57	-4,242.48	6,130.13	5,992.15	137.98	44.427		
3,700.00	3,631.51	3,604.49	3,595.51	18.41	124.13	132.27	-3,821.57	-4,242.48	6,144.35	6,002.31	142.03	43.260		
3,800.00	3,729.30	3,706.70	3,693.30	18.92	127.70	132.41	-3,821.57	-4,242.48	6,158.60	6,012.52	146.09	42.157		
3,900.00	3,827.09	3,808.91	3,791.09	19.42	131.26	132.56	-3,821.57	-4,242.48	6,172.90	6,022.76	150.14	41.115		
4,000.00	3,924.88	3,888.88	3,888.88	19.93	134.06	132.70	-3,821.57	-4,242.48	6,187.23	6,033.81	153.42	40.330		
4,100.00	4,022.67	3,986.67	3,986.67	20.44	137.47	132.84	-3,821.57	-4,242.48	6,201.60	6,044.28	157.31	39.422		
4,200.00	4,120.46	4,084.46	4,084.46	20.95	140.88	132.98	-3,821.57	-4,242.48	6,216.00	6,054.79	161.21	38.558		
4,300.00	4,218.25	4,182.25	4,182.25	21.46	144.29	133.12	-3,821.57	-4,242.48	6,230.45	6,065.33	165.11	37.735		
4,400.00	4,316.04	4,280.04	4,280.04	21.97	147.71	133.25	-3,821.57	-4,242.48	6,244.93	6,075.91	169.01	36.950		
4,500.00	4,413.83	4,377.83	4,377.83	22.48	151.12	133.39	-3,821.57	-4,242.48	6,259.44	6,086.53	172.91	36.200		
4,600.00	4,511.62	4,475.62	4,475.62	22.99	154.53	133.53	-3,821.57	-4,242.48	6,273.99	6,097.18	176.81	35.484		
4,700.00	4,609.41	4,573.41	4,573.41	23.50	157.95	133.67	-3,821.57	-4,242.48	6,288.58	6,107.87	180.71	34.799		
4,800.00	4,707.20	4,671.20	4,671.20	24.01	161.36	133.80	-3,821.57	-4,242.48	6,303.21	6,118.60	184.61	34.143		
4,900.00	4,804.98	4,768.98	4,768.98	24.52	164.77	133.94	-3,821.57	-4,242.48	6,317.87	6,129.36	188.51	33.515		
5,000.00	4,902.77	4,866.77	4,866.77	25.03	168.19	134.07	-3,821.57	-4,242.48	6,332.56	6,140.15	192.41	32.912		
5,100.00	5,000.56	4,964.56	4,964.56	25.54	171.60	134.21	-3,821.57	-4,242.48	6,347.29	6,150.98	196.31	32.333		
5,200.00	5,098.35	5,062.35	5,062.35	26.05	175.01	134.34	-3,821.57	-4,242.48	6,362.05	6,161.84	200.21	31.777		
5,300.00	5,196.14	5,160.14	5,160.14	26.56	178.43	134.47	-3,821.57	-4,242.48	6,376.85	6,172.74	204.11	31.242		
5,400.00	5,293.93	5,257.93	5,257.93	27.07	181.84	134.60	-3,821.57	-4,242.48	6,391.68	6,183.67	208.01	30.728		
5,500.00	5,391.72	5,355.72	5,355.72	27.58	185.25	134.74	-3,821.57	-4,242.48	6,406.55	6,194.64	211.91	30.233		
5,600.00	5,489.51	5,453.51	5,453.51	28.09	188.67	134.87	-3,821.57	-4,242.48	6,421.45	6,205.64	215.81	29.755		
5,700.00	5,587.30	5,551.30	5,551.30	28.61	192.08	135.00	-3,821.57	-4,242.48	6,436.38	6,216.67	219.71	29.295		
5,800.00	5,685.09	5,649.09	5,649.09	29.12	195.49	135.13	-3,821.57	-4,242.48	6,451.35	6,227.74	223.61	28.851		
5,900.00	5,782.88	5,746.88	5,746.88	29.63	198.91	135.26	-3,821.57	-4,242.48	6,466.35	6,238.84	227.51	28.423		
6,000.00	5,880.67	5,844.67	5,844.67	30.14	202.32	135.39	-3,821.57	-4,242.48	6,481.38	6,249.97	231.41	28.009		
6,100.00	5,978.46	5,942.46	5,942.46	30.65	205.73	135.51	-3,821.57	-4,242.48	6,496.44	6,261.14	235.31	27.609		
6,200.00	6,076.25	6,040.25	6,040.25	31.17	209.15	135.64	-3,821.57	-4,242.48	6,511.54	6,272.34	239.21	27.222		
6,298.86	6,172.92	6,136.92	6,136.92	31.67	212.52	135.77	-3,821.57	-4,242.48	6,526.50	6,283.44	243.06	26.851		
6,300.00	6,174.03	6,138.03	6,138.03	31.68	212.56	135.69	-3,821.57	-4,242.48	6,526.67	6,283.57	243.10	26.847		
6,350.00	6,223.30	6,187.30	6,187.30	31.92	214.28	129.90	-3,821.57	-4,242.48	6,532.55	6,287.49	245.06	26.657		
6,400.00	6,273.06	6,237.06	6,237.06	32.13	216.02	108.66	-3,821.57	-4,242.48	6,535.17	6,288.17	247.01	26.457		
6,450.00	6,323.01	6,287.01	6,287.01	32.32	217.76	18.23	-3,821.57	-4,242.48	6,534.52	6,285.58	248.94	26.250		
6,500.00	6,372.84	6,336.84	6,336.84	32.48	219.50	-14.23	-3,821.57	-4,242.48	6,530.58	6,279.74	250.84	26.035		
6,550.00	6,422.24	6,386.24	6,386.24	32.65	221.22	-22.36	-3,821.57	-4,242.48	6,523.40	6,270.68	252.72	25.813		
6,600.00	6,470.92	6,434.92	6,434.92	32.83	222.92	-26.24	-3,821.57	-4,242.48	6,513.00	6,258.44	254.56	25.585		
6,650.00	6,518.56	6,482.56	6,482.56	33.01	224.59	-28.83	-3,821.57	-4,242.48	6,499.47	6,243.10	256.37	25.352		
6,700.00	6,564.89	6,528.89	6,528.89	33.21	226.20	-30.96	-3,821.57	-4,242.48	6,482.90	6,224.77	258.12	25.115		
6,750.00	6,609.60	6,573.60	6,573.60	33.43	227.76	-32.98	-3,821.57	-4,242.48	6,463.38	6,203.56	259.82	24.876		
6,800.00	6,652.43	6,616.43	6,616.43	33.66	229.26	-35.04	-3,821.57	-4,242.48	6,441.06	6,179.61	261.45	24.636		
6,850.00	6,693.10	6,657.10	6,657.10	33.91	230.68	-37.27	-3,821.57	-4,242.48	6,416.09	6,153.08	263.01	24.395		
6,900.00	6,731.38	6,704.62	6,695.38	34.20	232.34	-39.72	-3,821.57	-4,242.48	6,388.62	6,123.81	264.81	24.125		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
6,950.00	6,767.02	6,731.02	6,731.02	34.51	233.26	-42.48	-3,821.57	-4,242.48	6,358.85	6,092.97	265.88	23.917			
7,000.00	6,799.81	6,763.81	6,763.81	34.85	234.40	-45.60	-3,821.57	-4,242.48	6,326.97	6,059.80	267.17	23.681			
7,050.00	6,829.54	6,806.46	6,793.54	35.24	235.89	-49.13	-3,821.57	-4,242.48	6,293.20	6,024.37	268.83	23.410			
7,100.00	6,856.03	6,820.03	6,820.03	35.66	236.36	-53.13	-3,821.57	-4,242.48	6,257.75	5,988.27	269.48	23.222			
7,150.00	6,879.11	6,843.11	6,843.11	36.12	237.17	-57.62	-3,821.57	-4,242.48	6,220.87	5,950.39	270.48	22.999			
7,200.00	6,898.65	6,862.65	6,862.65	36.62	237.85	-62.61	-3,821.57	-4,242.48	6,182.79	5,911.42	271.37	22.783			
7,250.00	6,914.51	6,878.51	6,878.51	37.15	238.41	-68.07	-3,821.57	-4,242.48	6,143.77	5,871.61	272.16	22.574			
7,300.00	6,926.62	6,909.38	6,890.62	37.73	239.48	-73.91	-3,821.57	-4,242.48	6,104.06	5,830.57	273.49	22.319			
7,350.00	6,934.88	6,901.12	6,898.88	38.34	239.20	-80.01	-3,821.57	-4,242.48	6,063.92	5,790.44	273.47	22.174			
7,400.00	6,939.26	6,903.26	6,903.26	38.97	239.27	-86.21	-3,821.57	-4,242.48	6,023.59	5,749.75	273.84	21.997			
7,429.12	6,940.00	6,904.00	6,904.00	39.34	239.30	-89.79	-3,821.57	-4,242.48	6,000.13	5,726.08	274.04	21.895			
7,500.00	6,940.19	6,904.19	6,904.19	40.31	239.30	-89.80	-3,821.57	-4,242.48	5,943.23	5,668.71	274.52	21.650			
7,600.00	6,940.46	6,904.46	6,904.46	41.80	239.31	-89.80	-3,821.57	-4,242.48	5,863.49	5,588.20	275.28	21.300			
7,700.00	6,940.72	6,904.72	6,904.72	43.43	239.32	-89.80	-3,821.57	-4,242.48	5,784.37	5,508.22	276.15	20.947			
7,800.00	6,940.99	6,904.99	6,904.99	45.19	239.33	-89.81	-3,821.57	-4,242.48	5,705.90	5,428.78	277.12	20.590			
7,900.00	6,941.25	6,905.25	6,905.25	47.05	239.34	-89.81	-3,821.57	-4,242.48	5,628.12	5,349.91	278.21	20.230			
8,000.00	6,941.52	6,905.52	6,905.52	49.02	239.35	-89.82	-3,821.57	-4,242.48	5,551.05	5,271.65	279.40	19.868			
8,100.00	6,941.79	6,905.79	6,905.79	51.06	239.36	-89.82	-3,821.57	-4,242.48	5,474.73	5,194.02	280.70	19.504			
8,200.00	6,942.05	6,906.05	6,906.05	53.18	239.37	-89.83	-3,821.57	-4,242.48	5,399.17	5,117.06	282.11	19.138			
8,300.00	6,942.32	6,906.32	6,906.32	55.37	239.38	-89.83	-3,821.57	-4,242.48	5,324.42	5,040.80	283.63	18.773			
8,400.00	6,942.58	6,906.58	6,906.58	57.62	239.39	-89.83	-3,821.57	-4,242.48	5,250.52	4,965.27	285.25	18.407			
8,500.00	6,942.85	6,906.85	6,906.85	59.92	239.40	-89.84	-3,821.57	-4,242.48	5,177.49	4,890.51	286.98	18.041			
8,600.00	6,943.12	6,907.12	6,907.12	62.26	239.40	-89.84	-3,821.57	-4,242.48	5,105.37	4,816.56	288.81	17.677			
8,700.00	6,943.38	6,907.38	6,907.38	64.65	239.41	-89.85	-3,821.57	-4,242.48	5,034.21	4,743.46	290.74	17.315			
8,800.00	6,943.65	6,907.65	6,907.65	67.08	239.42	-89.85	-3,821.57	-4,242.48	4,964.04	4,671.26	292.78	16.955			
8,900.00	6,943.91	6,907.91	6,907.91	69.53	239.43	-89.86	-3,821.57	-4,242.48	4,894.90	4,599.99	294.91	16.598			
9,000.00	6,944.18	6,908.18	6,908.18	72.02	239.44	-89.86	-3,821.57	-4,242.48	4,826.85	4,529.71	297.14	16.244			
9,100.00	6,944.45	6,908.45	6,908.45	74.54	239.45	-89.86	-3,821.57	-4,242.48	4,759.93	4,460.46	299.47	15.894			
9,200.00	6,944.71	6,908.71	6,908.71	77.07	239.46	-89.87	-3,821.57	-4,242.48	4,694.19	4,392.29	301.89	15.549			
9,300.00	6,944.98	6,908.98	6,908.98	79.63	239.47	-89.87	-3,821.57	-4,242.48	4,629.67	4,325.26	304.41	15.209			
9,400.00	6,945.24	6,909.24	6,909.24	82.21	239.48	-89.88	-3,821.57	-4,242.48	4,566.43	4,259.41	307.02	14.874			
9,500.00	6,945.51	6,909.51	6,909.51	84.81	239.49	-89.88	-3,821.57	-4,242.48	4,504.52	4,194.81	309.71	14.544			
9,600.00	6,945.78	6,909.78	6,909.78	87.43	239.50	-89.89	-3,821.57	-4,242.48	4,444.00	4,131.51	312.49	14.221			
9,700.00	6,946.04	6,910.04	6,910.04	90.05	239.51	-89.89	-3,821.57	-4,242.48	4,384.92	4,069.57	315.36	13.905			
9,800.00	6,946.31	6,910.31	6,910.31	92.70	239.52	-89.89	-3,821.57	-4,242.48	4,327.35	4,009.05	318.30	13.595			
9,900.00	6,946.57	6,910.57	6,910.57	95.35	239.53	-89.90	-3,821.57	-4,242.48	4,271.35	3,950.02	321.32	13.293			
10,000.00	6,946.84	6,910.84	6,910.84	98.02	239.53	-89.90	-3,821.57	-4,242.48	4,216.97	3,892.55	324.42	12.998			
10,100.00	6,947.11	6,911.11	6,911.11	100.70	239.54	-89.91	-3,821.57	-4,242.48	4,164.28	3,836.70	327.59	12.712			
10,200.00	6,947.37	6,911.37	6,911.37	103.38	239.55	-89.91	-3,821.57	-4,242.48	4,113.36	3,782.53	330.82	12.434			
10,300.00	6,947.64	6,911.64	6,911.64	106.08	239.56	-89.92	-3,821.57	-4,242.48	4,064.25	3,730.14	334.11	12.164			
10,400.00	6,947.90	6,911.90	6,911.90	108.78	239.57	-89.92	-3,821.57	-4,242.48	4,017.03	3,679.57	337.46	11.904			
10,500.00	6,948.17	6,912.17	6,912.17	111.49	239.58	-89.92	-3,821.57	-4,242.48	3,971.77	3,630.91	340.86	11.652			
10,600.00	6,948.44	6,912.44	6,912.44	114.21	239.59	-89.93	-3,821.57	-4,242.48	3,928.54	3,584.24	344.30	11.410			
10,700.00	6,948.70	6,912.70	6,912.70	116.94	239.60	-89.93	-3,821.57	-4,242.48	3,887.40	3,539.62	347.78	11.178			
10,800.00	6,948.97	6,912.97	6,912.97	119.67	239.61	-89.94	-3,821.57	-4,242.48	3,848.41	3,497.13	351.29	10.955			
10,900.00	6,949.24	6,913.24	6,913.24	122.41	239.62	-89.94	-3,821.57	-4,242.48	3,811.65	3,456.84	354.81	10.743			
11,000.00	6,949.50	6,913.50	6,913.50	125.15	239.63	-89.95	-3,821.57	-4,242.48	3,777.19	3,418.84	358.35	10.540			
11,100.00	6,949.77	6,913.77	6,913.77	127.90	239.64	-89.95	-3,821.57	-4,242.48	3,745.07	3,383.18	361.89	10.349			
11,200.00	6,950.03	6,914.03	6,914.03	130.65	239.65	-89.95	-3,821.57	-4,242.48	3,715.37	3,349.95	365.42	10.167			
11,300.00	6,950.30	6,914.30	6,914.30	133.41	239.66	-89.96	-3,821.57	-4,242.48	3,688.15	3,319.21	368.94	9.997			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,400.00	6,950.57	6,914.57	6,914.57	136.17	239.66	-89.96	-3,821.57	-4,242.48	3,663.45	3,291.02	372.43	9.837		
11,500.00	6,950.83	6,914.83	6,914.83	138.94	239.67	-89.97	-3,821.57	-4,242.48	3,641.33	3,265.45	375.88	9.688		
11,600.00	6,951.10	6,915.10	6,915.10	141.71	239.68	-89.97	-3,821.57	-4,242.48	3,621.84	3,242.56	379.28	9.549		
11,700.00	6,951.36	6,915.36	6,915.36	144.48	239.69	-89.98	-3,821.57	-4,242.48	3,605.02	3,222.39	382.63	9.422		
11,800.00	6,951.63	6,915.63	6,915.63	147.26	239.70	-89.98	-3,821.57	-4,242.48	3,590.90	3,205.00	385.90	9.305		
11,900.00	6,951.90	6,915.90	6,915.90	150.03	239.71	-89.98	-3,821.57	-4,242.48	3,579.52	3,190.43	389.10	9.200		
12,000.00	6,952.16	6,916.16	6,916.16	152.82	239.72	-89.99	-3,821.57	-4,242.48	3,570.91	3,178.71	392.20	9.105		
12,100.00	6,952.43	6,916.43	6,916.43	155.60	239.73	-89.99	-3,821.57	-4,242.48	3,565.09	3,169.87	395.21	9.021		
12,200.00	6,952.69	6,916.69	6,916.69	158.39	239.74	-90.00	-3,821.57	-4,242.48	3,562.06	3,163.94	398.12	8.947		
12,257.86	6,952.85	6,916.85	6,916.85	160.00	239.74	-90.00	-3,821.57	-4,242.48	3,561.59	3,161.84	399.75	8.910 CC		
12,300.00	6,952.96	6,916.96	6,916.96	161.18	239.75	-90.00	-3,821.57	-4,242.48	3,561.84	3,160.93	400.91	8.884		
12,400.00	6,953.23	6,917.23	6,917.23	163.97	239.76	-90.01	-3,821.57	-4,242.48	3,564.43	3,160.85	403.58	8.832 ES		
12,500.00	6,953.49	6,917.49	6,917.49	166.77	239.77	-90.01	-3,821.57	-4,242.48	3,569.81	3,163.70	406.12	8.790		
12,600.00	6,953.76	6,917.76	6,917.76	169.56	239.78	-90.01	-3,821.57	-4,242.48	3,577.99	3,169.46	408.52	8.758		
12,700.00	6,954.02	6,918.02	6,918.02	172.36	239.79	-90.02	-3,821.57	-4,242.48	3,588.93	3,178.13	410.80	8.737		
12,800.00	6,954.29	6,918.29	6,918.29	175.16	239.79	-90.02	-3,821.57	-4,242.48	3,602.62	3,189.69	412.93	8.725		
12,900.00	6,954.56	6,918.56	6,918.56	177.97	239.80	-90.03	-3,821.57	-4,242.48	3,619.02	3,204.09	414.92	8.722 SF		
13,000.00	6,954.82	6,918.82	6,918.82	180.77	239.81	-90.03	-3,821.57	-4,242.48	3,638.09	3,221.32	416.77	8.729		
13,100.00	6,955.09	6,919.09	6,919.09	183.58	239.82	-90.04	-3,821.57	-4,242.48	3,659.80	3,241.32	418.48	8.746		
13,200.00	6,955.35	6,919.35	6,919.35	186.38	239.83	-90.04	-3,821.57	-4,242.48	3,684.09	3,264.05	420.04	8.771		
13,300.00	6,955.62	6,919.62	6,919.62	189.19	239.84	-90.04	-3,821.57	-4,242.48	3,710.93	3,289.46	421.47	8.805		
13,400.00	6,955.89	6,919.89	6,919.89	192.00	239.85	-90.05	-3,821.57	-4,242.48	3,740.24	3,317.48	422.76	8.847		
13,500.00	6,956.15	6,920.15	6,920.15	194.82	239.86	-90.05	-3,821.57	-4,242.48	3,771.98	3,348.07	423.91	8.898		
13,600.00	6,956.42	6,920.42	6,920.42	197.63	239.87	-90.06	-3,821.57	-4,242.48	3,806.08	3,381.14	424.94	8.957		
13,700.00	6,956.68	6,920.68	6,920.68	200.44	239.88	-90.06	-3,821.57	-4,242.48	3,842.48	3,416.65	425.84	9.023		
13,800.00	6,956.95	6,920.95	6,920.95	203.26	239.89	-90.07	-3,821.57	-4,242.48	3,881.12	3,454.50	426.62	9.097		
13,900.00	6,957.22	6,921.22	6,921.22	206.08	239.90	-90.07	-3,821.57	-4,242.48	3,921.93	3,494.65	427.28	9.179		
14,000.00	6,957.48	6,921.48	6,921.48	208.89	239.91	-90.07	-3,821.57	-4,242.48	3,964.84	3,537.00	427.84	9.267		
14,100.00	6,957.75	6,921.75	6,921.75	211.71	239.92	-90.08	-3,821.57	-4,242.48	4,009.79	3,581.49	428.29	9.362		
14,200.00	6,958.02	6,922.02	6,922.02	214.53	239.92	-90.08	-3,821.57	-4,242.48	4,056.70	3,628.05	428.65	9.464		
14,300.00	6,958.28	6,922.28	6,922.28	217.36	239.93	-90.09	-3,821.57	-4,242.48	4,105.51	3,676.60	428.91	9.572		
14,400.00	6,958.55	6,922.55	6,922.55	220.18	239.94	-90.09	-3,821.57	-4,242.48	4,156.16	3,727.07	429.09	9.686		
14,500.00	6,958.81	6,922.81	6,922.81	223.00	239.95	-90.10	-3,821.57	-4,242.48	4,208.57	3,779.39	429.18	9.806		
14,600.00	6,959.08	6,923.08	6,923.08	225.83	239.96	-90.10	-3,821.57	-4,242.48	4,262.69	3,833.48	429.20	9.932		
14,700.00	6,959.35	6,923.35	6,923.35	228.65	239.97	-90.10	-3,821.57	-4,242.48	4,318.44	3,889.28	429.16	10.063		
14,800.00	6,959.61	6,923.61	6,923.61	231.48	239.98	-90.11	-3,821.57	-4,242.48	4,375.77	3,946.72	429.05	10.199		
14,900.00	6,959.88	6,923.88	6,923.88	234.30	239.99	-90.11	-3,821.57	-4,242.48	4,434.61	4,005.74	428.88	10.340		
15,000.00	6,960.14	6,924.14	6,924.14	237.13	240.00	-90.12	-3,821.57	-4,242.48	4,494.91	4,066.26	428.65	10.486		
15,100.00	6,960.41	6,924.41	6,924.41	239.96	240.01	-90.12	-3,821.57	-4,242.48	4,556.60	4,128.22	428.38	10.637		
15,200.00	6,960.68	6,924.68	6,924.68	242.79	240.02	-90.13	-3,821.57	-4,242.48	4,619.64	4,191.57	428.06	10.792		
15,300.00	6,960.94	6,924.94	6,924.94	245.62	240.03	-90.13	-3,821.57	-4,242.48	4,683.96	4,256.25	427.71	10.951		
15,400.00	6,961.21	6,925.21	6,925.21	248.45	240.04	-90.13	-3,821.57	-4,242.48	4,749.51	4,322.20	427.31	11.115		
15,500.00	6,961.47	6,925.47	6,925.47	251.28	240.05	-90.14	-3,821.57	-4,242.48	4,816.26	4,389.37	426.89	11.282		
15,600.00	6,961.74	6,925.74	6,925.74	254.11	240.05	-90.14	-3,821.57	-4,242.48	4,884.13	4,457.70	426.43	11.453		
15,700.00	6,962.01	6,926.01	6,926.01	256.94	240.06	-90.15	-3,821.57	-4,242.48	4,953.10	4,527.15	425.95	11.628		
15,800.00	6,962.27	6,926.27	6,926.27	259.77	240.07	-90.15	-3,821.57	-4,242.48	5,023.10	4,597.66	425.45	11.807		
15,900.00	6,962.54	6,926.54	6,926.54	262.61	240.08	-90.16	-3,821.57	-4,242.48	5,094.11	4,669.19	424.92	11.988		
16,000.00	6,962.80	6,926.80	6,926.80	265.44	240.09	-90.16	-3,821.57	-4,242.48	5,166.08	4,741.70	424.38	12.173		
16,100.00	6,963.07	6,927.07	6,927.07	268.28	240.10	-90.16	-3,821.57	-4,242.48	5,238.97	4,815.15	423.82	12.361		
16,200.00	6,963.34	6,927.34	6,927.34	271.11	240.11	-90.17	-3,821.57	-4,242.48	5,312.75	4,889.49	423.26	12.552		
16,300.00	6,963.60	6,927.60	6,927.60	273.95	240.12	-90.17	-3,821.57	-4,242.48	5,387.36	4,964.69	422.68	12.746		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
16,400.00	6,963.87	6,927.87	6,927.87	276.78	240.13	-90.18	-3,821.57	-4,242.48	5,462.79	5,040.71	422.09	12.942			
16,500.00	6,964.13	6,928.13	6,928.13	279.62	240.14	-90.18	-3,821.57	-4,242.48	5,539.00	5,117.51	421.49	13.141			
16,600.00	6,964.40	6,928.40	6,928.40	282.46	240.15	-90.19	-3,821.57	-4,242.48	5,615.96	5,195.07	420.89	13.343			
16,700.00	6,964.67	6,928.67	6,928.67	285.29	240.16	-90.19	-3,821.57	-4,242.48	5,693.63	5,273.35	420.28	13.547			
16,800.00	6,964.93	6,928.93	6,928.93	288.13	240.17	-90.19	-3,821.57	-4,242.48	5,771.98	5,352.31	419.67	13.754			
16,900.00	6,965.20	6,929.20	6,929.20	290.97	240.18	-90.20	-3,821.57	-4,242.48	5,851.00	5,431.94	419.06	13.962			
17,000.00	6,965.46	6,929.46	6,929.46	293.81	240.18	-90.20	-3,821.57	-4,242.48	5,930.65	5,512.20	418.45	14.173			
17,100.00	6,965.73	6,929.73	6,929.73	296.65	240.19	-90.21	-3,821.57	-4,242.48	6,010.91	5,593.08	417.84	14.386			
17,200.00	6,966.00	6,930.00	6,930.00	299.49	240.20	-90.21	-3,821.57	-4,242.48	6,091.76	5,674.53	417.23	14.601			
17,300.00	6,966.26	6,930.26	6,930.26	302.32	240.21	-90.22	-3,821.57	-4,242.48	6,173.16	5,756.54	416.62	14.817			
17,400.00	6,966.53	6,930.53	6,930.53	305.16	240.22	-90.22	-3,821.57	-4,242.48	6,255.10	5,839.09	416.01	15.036			
17,500.00	6,966.80	6,930.80	6,930.80	308.00	240.23	-90.22	-3,821.57	-4,242.48	6,337.57	5,922.16	415.41	15.256			
17,600.00	6,967.06	6,931.06	6,931.06	310.85	240.24	-90.23	-3,821.57	-4,242.48	6,420.53	6,005.72	414.81	15.478			
17,700.00	6,967.33	6,931.33	6,931.33	313.69	240.25	-90.23	-3,821.57	-4,242.48	6,503.97	6,089.75	414.21	15.702			
17,800.00	6,967.59	6,931.59	6,931.59	316.53	240.26	-90.24	-3,821.57	-4,242.48	6,587.87	6,174.25	413.62	15.927			
17,900.00	6,967.86	6,931.86	6,931.86	319.37	240.27	-90.24	-3,821.57	-4,242.48	6,672.21	6,259.18	413.04	16.154			
18,000.00	6,968.13	6,932.13	6,932.13	322.21	240.28	-90.25	-3,821.57	-4,242.48	6,756.98	6,344.53	412.46	16.382			
18,100.00	6,968.39	6,932.39	6,932.39	325.05	240.29	-90.25	-3,821.57	-4,242.48	6,842.17	6,430.28	411.88	16.612			
18,200.00	6,968.66	6,932.66	6,932.66	327.90	240.30	-90.25	-3,821.57	-4,242.48	6,927.75	6,516.43	411.32	16.843			
18,300.00	6,968.92	6,932.92	6,932.92	330.74	240.31	-90.26	-3,821.57	-4,242.48	7,013.71	6,602.95	410.75	17.075			
18,400.00	6,969.19	6,933.19	6,933.19	333.58	240.32	-90.26	-3,821.57	-4,242.48	7,100.04	6,689.84	410.20	17.309			
18,500.00	6,969.46	6,933.46	6,933.46	336.43	240.32	-90.27	-3,821.57	-4,242.48	7,186.72	6,777.07	409.65	17.544			
18,600.00	6,969.72	6,933.72	6,933.72	339.27	240.33	-90.27	-3,821.57	-4,242.48	7,273.74	6,864.64	409.11	17.779			
18,704.56	6,970.00	6,934.00	6,934.00	342.24	240.34	-90.28	-3,821.57	-4,242.48	7,365.09	6,956.54	408.55	18.027			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	2.00	2.00	3.28	3.28	-101.33	-1,142.54	-5,699.88	5,813.26					
100.00	100.00	102.00	102.00	3.28	3.75	-101.33	-1,142.54	-5,699.88	5,813.26	5,806.23	7.03	826.506		
200.00	200.00	202.00	202.00	3.34	6.24	-101.33	-1,142.54	-5,699.88	5,813.26	5,803.68	9.58	607.113		
300.00	299.98	301.98	301.98	3.44	9.39	158.66	-1,142.54	-5,699.88	5,814.89	5,802.05	12.83	453.207		
400.00	399.84	401.84	401.84	3.60	12.71	158.64	-1,142.54	-5,699.88	5,819.76	5,803.45	16.31	356.786		
500.00	499.45	501.45	501.45	3.80	16.10	158.61	-1,142.54	-5,699.88	5,827.88	5,807.98	19.90	292.848		
600.00	598.70	600.70	600.70	4.05	19.50	158.57	-1,142.54	-5,699.88	5,839.24	5,815.69	23.55	247.931		
700.00	697.47	700.53	699.47	4.33	22.95	158.52	-1,142.54	-5,699.88	5,853.82	5,826.54	27.28	214.600		
803.50	799.05	801.05	801.05	4.67	26.42	158.46	-1,142.54	-5,699.88	5,872.30	5,841.22	31.08	188.931		
900.00	893.41	904.59	895.41	5.02	30.01	158.53	-1,142.54	-5,699.88	5,891.13	5,856.13	35.00	168.331		
1,000.00	991.20	1,006.80	993.20	5.41	33.56	158.60	-1,142.54	-5,699.88	5,910.65	5,871.75	38.90	151.947		
1,100.00	1,088.99	1,109.01	1,090.99	5.81	37.12	158.68	-1,142.54	-5,699.88	5,930.18	5,887.36	42.82	138.481		
1,200.00	1,186.78	1,188.78	1,188.78	6.23	39.89	158.75	-1,142.54	-5,699.88	5,949.72	5,903.74	45.98	129.390		
1,300.00	1,284.57	1,286.57	1,286.57	6.67	43.29	158.82	-1,142.54	-5,699.88	5,969.27	5,919.48	49.78	119.905		
1,400.00	1,382.36	1,384.36	1,384.36	7.12	46.70	158.89	-1,142.54	-5,699.88	5,988.83	5,935.23	53.59	111.742		
1,500.00	1,480.15	1,482.15	1,482.15	7.57	50.10	158.96	-1,142.54	-5,699.88	6,008.39	5,950.98	57.42	104.647		
1,600.00	1,577.94	1,579.94	1,579.94	8.03	53.51	159.04	-1,142.54	-5,699.88	6,027.97	5,966.73	61.24	98.424		
1,700.00	1,675.73	1,677.73	1,677.73	8.50	56.92	159.11	-1,142.54	-5,699.88	6,047.56	5,982.48	65.08	92.924		
1,800.00	1,773.52	1,775.52	1,775.52	8.98	60.33	159.18	-1,142.54	-5,699.88	6,067.15	5,998.23	68.92	88.030		
1,900.00	1,871.31	1,873.31	1,873.31	9.45	63.74	159.25	-1,142.54	-5,699.88	6,086.76	6,013.99	72.77	83.647		
2,000.00	1,969.10	1,971.10	1,971.10	9.94	67.15	159.32	-1,142.54	-5,699.88	6,106.37	6,029.75	76.62	79.700		
2,100.00	2,066.88	2,068.88	2,068.88	10.42	70.56	159.38	-1,142.54	-5,699.88	6,125.99	6,045.52	80.47	76.127		
2,200.00	2,164.67	2,166.67	2,166.67	10.91	73.97	159.45	-1,142.54	-5,699.88	6,145.62	6,061.29	84.33	72.879		
2,300.00	2,262.46	2,264.46	2,264.46	11.40	77.38	159.52	-1,142.54	-5,699.88	6,165.25	6,077.07	88.19	69.912		
2,400.00	2,360.25	2,362.25	2,362.25	11.89	80.79	159.59	-1,142.54	-5,699.88	6,184.90	6,092.85	92.05	67.193		
2,500.00	2,458.04	2,460.04	2,460.04	12.39	84.20	159.66	-1,142.54	-5,699.88	6,204.55	6,108.64	95.91	64.691		
2,600.00	2,555.83	2,557.83	2,557.83	12.88	87.61	159.72	-1,142.54	-5,699.88	6,224.22	6,124.44	99.78	62.382		
2,700.00	2,653.62	2,655.62	2,655.62	13.38	91.02	159.79	-1,142.54	-5,699.88	6,243.89	6,140.25	103.64	60.245		
2,800.00	2,751.41	2,753.41	2,753.41	13.88	94.43	159.86	-1,142.54	-5,699.88	6,263.57	6,156.06	107.51	58.260		
2,900.00	2,849.20	2,851.20	2,851.20	14.38	97.85	159.92	-1,142.54	-5,699.88	6,283.25	6,171.87	111.38	56.413		
3,000.00	2,946.99	2,948.99	2,948.99	14.88	101.26	159.99	-1,142.54	-5,699.88	6,302.95	6,187.70	115.25	54.689		
3,100.00	3,044.78	3,046.78	3,046.78	15.38	104.67	160.05	-1,142.54	-5,699.88	6,322.65	6,203.53	119.12	53.077		
3,200.00	3,142.57	3,144.57	3,144.57	15.89	108.08	160.11	-1,142.54	-5,699.88	6,342.36	6,219.37	122.99	51.567		
3,300.00	3,240.36	3,242.36	3,242.36	16.39	111.49	160.18	-1,142.54	-5,699.88	6,362.08	6,235.21	126.87	50.148		
3,400.00	3,338.15	3,340.15	3,340.15	16.89	114.91	160.24	-1,142.54	-5,699.88	6,381.80	6,251.06	130.74	48.813		
3,500.00	3,435.93	3,437.93	3,437.93	17.40	118.32	160.31	-1,142.54	-5,699.88	6,401.53	6,266.92	134.62	47.554		
3,600.00	3,533.72	3,535.72	3,535.72	17.90	121.73	160.37	-1,142.54	-5,699.88	6,421.28	6,282.78	138.49	46.366		
3,700.00	3,631.51	3,633.51	3,633.51	18.41	125.14	160.43	-1,142.54	-5,699.88	6,441.02	6,298.66	142.37	45.242		
3,800.00	3,729.30	3,731.30	3,731.30	18.92	128.56	160.49	-1,142.54	-5,699.88	6,460.78	6,314.53	146.24	44.178		
3,900.00	3,827.09	3,829.09	3,829.09	19.42	131.97	160.55	-1,142.54	-5,699.88	6,480.54	6,330.42	150.12	43.169		
4,000.00	3,924.88	3,926.88	3,926.88	19.93	135.38	160.61	-1,142.54	-5,699.88	6,500.31	6,346.31	154.00	42.211		
4,100.00	4,022.67	4,024.67	4,024.67	20.44	138.79	160.68	-1,142.54	-5,699.88	6,520.09	6,362.21	157.87	41.299		
4,200.00	4,120.46	4,122.46	4,122.46	20.95	142.21	160.74	-1,142.54	-5,699.88	6,539.87	6,378.12	161.75	40.431		
4,300.00	4,218.25	4,220.25	4,220.25	21.46	145.62	160.80	-1,142.54	-5,699.88	6,559.66	6,394.03	165.63	39.604		
4,400.00	4,316.04	4,318.04	4,318.04	21.97	149.03	160.86	-1,142.54	-5,699.88	6,579.46	6,409.95	169.51	38.815		
4,500.00	4,413.83	4,415.83	4,415.83	22.48	152.45	160.92	-1,142.54	-5,699.88	6,599.26	6,425.87	173.39	38.060		
4,600.00	4,511.62	4,513.62	4,513.62	22.99	155.86	160.97	-1,142.54	-5,699.88	6,619.07	6,441.80	177.27	37.339		
4,700.00	4,609.41	4,611.41	4,611.41	23.50	159.27	161.03	-1,142.54	-5,699.88	6,638.89	6,457.74	181.15	36.649		
4,800.00	4,707.20	4,709.20	4,709.20	24.01	162.69	161.09	-1,142.54	-5,699.88	6,658.71	6,473.69	185.03	35.988		
4,900.00	4,804.98	4,806.98	4,806.98	24.52	166.10	161.15	-1,142.54	-5,699.88	6,678.55	6,489.64	188.91	35.354		
5,000.00	4,902.77	4,904.77	4,904.77	25.03	169.51	161.21	-1,142.54	-5,699.88	6,698.38	6,505.60	192.79	34.745		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON #1-10-6-66(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	5,000.56	5,002.56	5,002.56	25.54	172.93	161.26	-1,142.54	-5,699.88	6,718.23	6,521.56	196.67	34.160			
5,200.00	5,098.35	5,100.35	5,100.35	26.05	176.34	161.32	-1,142.54	-5,699.88	6,738.08	6,537.53	200.55	33.598			
5,300.00	5,196.14	5,201.86	5,198.14	26.56	179.88	161.38	-1,142.54	-5,699.88	6,757.94	6,553.38	204.56	33.037			
5,400.00	5,293.93	5,304.07	5,295.93	27.07	183.45	161.43	-1,142.54	-5,699.88	6,777.80	6,569.20	208.59	32.493			
5,500.00	5,391.72	5,406.28	5,393.72	27.58	187.02	161.49	-1,142.54	-5,699.88	6,797.67	6,585.04	212.63	31.970			
5,600.00	5,489.51	5,508.49	5,491.51	28.09	190.58	161.55	-1,142.54	-5,699.88	6,817.54	6,600.88	216.66	31.466			
5,700.00	5,587.30	5,589.30	5,589.30	28.61	193.41	161.60	-1,142.54	-5,699.88	6,837.43	6,617.47	219.95	31.086			
5,800.00	5,685.09	5,687.09	5,687.09	29.12	196.82	161.66	-1,142.54	-5,699.88	6,857.31	6,633.48	223.83	30.636			
5,900.00	5,782.88	5,784.88	5,784.88	29.63	200.23	161.71	-1,142.54	-5,699.88	6,877.21	6,649.49	227.72	30.201			
6,000.00	5,880.67	5,882.67	5,882.67	30.14	203.65	161.77	-1,142.54	-5,699.88	6,897.11	6,665.51	231.60	29.781			
6,100.00	5,978.46	5,980.46	5,980.46	30.65	207.06	161.82	-1,142.54	-5,699.88	6,917.02	6,681.54	235.48	29.374			
6,200.00	6,076.25	6,078.25	6,078.25	31.17	210.47	161.87	-1,142.54	-5,699.88	6,936.93	6,697.57	239.36	28.981			
6,298.86	6,172.92	6,174.92	6,174.92	31.67	213.85	161.93	-1,142.54	-5,699.88	6,956.62	6,713.42	243.20	28.605			
6,300.00	6,174.03	6,176.03	6,176.03	31.68	213.89	161.84	-1,142.54	-5,699.88	6,956.84	6,713.60	243.24	28.600			
6,350.00	6,223.30	6,225.30	6,225.30	31.92	215.61	155.82	-1,142.54	-5,699.88	6,964.80	6,719.61	245.19	28.406			
6,400.00	6,273.06	6,275.06	6,275.06	32.13	217.34	134.48	-1,142.54	-5,699.88	6,968.90	6,721.76	247.14	28.198			
6,450.00	6,323.01	6,325.01	6,325.01	32.32	219.09	44.09	-1,142.54	-5,699.88	6,969.11	6,720.03	249.08	27.980			
6,500.00	6,372.84	6,374.84	6,374.84	32.48	220.82	11.80	-1,142.54	-5,699.88	6,965.42	6,714.44	250.98	27.753			
6,550.00	6,422.24	6,424.24	6,424.24	32.65	222.55	3.97	-1,142.54	-5,699.88	6,957.88	6,705.02	252.85	27.517			
6,600.00	6,470.92	6,472.92	6,472.92	32.83	224.25	0.53	-1,142.54	-5,699.88	6,946.51	6,691.82	254.69	27.275			
6,650.00	6,518.56	6,520.56	6,520.56	33.01	225.91	-1.47	-1,142.54	-5,699.88	6,931.39	6,674.92	256.47	27.027			
6,700.00	6,564.89	6,566.89	6,566.89	33.21	227.53	-2.86	-1,142.54	-5,699.88	6,912.61	6,654.43	258.18	26.774			
6,750.00	6,609.60	6,611.60	6,611.60	33.43	229.09	-3.96	-1,142.54	-5,699.88	6,890.29	6,630.46	259.83	26.518			
6,800.00	6,652.43	6,654.43	6,654.43	33.66	230.58	-4.94	-1,142.54	-5,699.88	6,864.57	6,603.18	261.40	26.261			
6,850.00	6,693.10	6,704.90	6,695.10	33.91	232.35	-5.88	-1,142.54	-5,699.88	6,835.61	6,572.39	263.21	25.970			
6,900.00	6,731.38	6,733.38	6,733.38	34.20	233.34	-6.86	-1,142.54	-5,699.88	6,803.57	6,539.32	264.25	25.746			
6,950.00	6,767.02	6,769.02	6,769.02	34.51	234.58	-7.95	-1,142.54	-5,699.88	6,768.67	6,503.14	265.53	25.491			
7,000.00	6,799.81	6,801.81	6,801.81	34.85	235.73	-9.21	-1,142.54	-5,699.88	6,731.12	6,464.43	266.70	25.239			
7,050.00	6,829.54	6,831.54	6,831.54	35.24	236.77	-10.75	-1,142.54	-5,699.88	6,691.15	6,423.40	267.75	24.990			
7,100.00	6,856.03	6,858.03	6,858.03	35.66	237.69	-12.68	-1,142.54	-5,699.88	6,649.01	6,380.33	268.69	24.746			
7,150.00	6,879.11	6,881.11	6,881.11	36.12	238.50	-15.25	-1,142.54	-5,699.88	6,604.96	6,335.46	269.50	24.509			
7,200.00	6,898.65	6,900.65	6,900.65	36.62	239.18	-18.80	-1,142.54	-5,699.88	6,559.27	6,289.09	270.18	24.277			
7,250.00	6,914.51	6,916.51	6,916.51	37.15	239.73	-24.04	-1,142.54	-5,699.88	6,512.22	6,241.48	270.74	24.054			
7,300.00	6,926.62	6,928.62	6,928.62	37.73	240.16	-32.34	-1,142.54	-5,699.88	6,464.11	6,192.94	271.16	23.838			
7,350.00	6,934.88	6,936.88	6,936.88	38.34	240.44	-46.48	-1,142.54	-5,699.88	6,415.23	6,143.77	271.46	23.632			
7,400.00	6,939.26	6,941.26	6,941.26	38.97	240.60	-70.61	-1,142.54	-5,699.88	6,365.88	6,094.25	271.63	23.436			
7,429.12	6,940.00	6,942.00	6,942.00	39.34	240.62	-88.91	-1,142.54	-5,699.88	6,337.05	6,065.38	271.67	23.327			
7,500.00	6,940.19	6,942.19	6,942.19	40.31	240.63	-88.92	-1,142.54	-5,699.88	6,266.86	5,995.15	271.71	23.065			
7,600.00	6,940.46	6,942.46	6,942.46	41.80	240.64	-88.94	-1,142.54	-5,699.88	6,167.86	5,896.09	271.77	22.695			
7,700.00	6,940.72	6,942.72	6,942.72	43.43	240.65	-88.96	-1,142.54	-5,699.88	6,068.89	5,797.05	271.85	22.325			
7,800.00	6,940.99	6,942.99	6,942.99	45.19	240.66	-88.97	-1,142.54	-5,699.88	5,969.96	5,698.03	271.93	21.954			
7,900.00	6,941.25	6,943.25	6,943.25	47.05	240.67	-88.99	-1,142.54	-5,699.88	5,871.06	5,599.04	272.03	21.583			
8,000.00	6,941.52	6,943.52	6,943.52	49.02	240.68	-89.01	-1,142.54	-5,699.88	5,772.21	5,500.07	272.13	21.211			
8,100.00	6,941.79	6,943.79	6,943.79	51.06	240.68	-89.03	-1,142.54	-5,699.88	5,673.39	5,401.13	272.26	20.838			
8,200.00	6,942.05	6,944.05	6,944.05	53.18	240.69	-89.04	-1,142.54	-5,699.88	5,574.61	5,302.22	272.39	20.466			
8,300.00	6,942.32	6,944.32	6,944.32	55.37	240.70	-89.06	-1,142.54	-5,699.88	5,475.88	5,203.34	272.54	20.092			
8,400.00	6,942.58	6,944.58	6,944.58	57.62	240.71	-89.08	-1,142.54	-5,699.88	5,377.20	5,104.49	272.71	19.718			
8,500.00	6,942.85	6,944.85	6,944.85	59.92	240.72	-89.10	-1,142.54	-5,699.88	5,278.56	5,005.67	272.89	19.343			
8,600.00	6,943.12	6,945.12	6,945.12	62.26	240.73	-89.11	-1,142.54	-5,699.88	5,179.98	4,906.89	273.09	18.968			
8,700.00	6,943.38	6,945.38	6,945.38	64.65	240.74	-89.13	-1,142.54	-5,699.88	5,081.45	4,808.14	273.32	18.592			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON #1-10-6-66(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				
8,800.00	6,943.65	6,945.65	6,945.65	67.08	240.75	-89.15	-1,142.54	-5,699.88	4,982.98	4,709.42	273.56	18.215				
8,900.00	6,943.91	6,945.91	6,945.91	69.53	240.76	-89.16	-1,142.54	-5,699.88	4,884.58	4,610.75	273.83	17.838				
9,000.00	6,944.18	6,946.18	6,946.18	72.02	240.77	-89.18	-1,142.54	-5,699.88	4,786.24	4,512.11	274.12	17.460				
9,100.00	6,944.45	6,946.45	6,946.45	74.54	240.78	-89.20	-1,142.54	-5,699.88	4,687.96	4,413.52	274.44	17.082				
9,200.00	6,944.71	6,946.71	6,946.71	77.07	240.79	-89.22	-1,142.54	-5,699.88	4,589.77	4,314.98	274.79	16.703				
9,300.00	6,944.98	6,946.98	6,946.98	79.63	240.80	-89.23	-1,142.54	-5,699.88	4,491.65	4,216.48	275.17	16.323				
9,400.00	6,945.24	6,947.24	6,947.24	82.21	240.81	-89.25	-1,142.54	-5,699.88	4,393.62	4,118.03	275.59	15.943				
9,500.00	6,945.51	6,947.51	6,947.51	84.81	240.81	-89.27	-1,142.54	-5,699.88	4,295.68	4,019.64	276.04	15.562				
9,600.00	6,945.78	6,947.78	6,947.78	87.43	240.82	-89.29	-1,142.54	-5,699.88	4,197.84	3,921.30	276.54	15.180				
9,700.00	6,946.04	6,948.04	6,948.04	90.05	240.83	-89.30	-1,142.54	-5,699.88	4,100.10	3,823.02	277.08	14.798				
9,800.00	6,946.31	6,948.31	6,948.31	92.70	240.84	-89.32	-1,142.54	-5,699.88	4,002.47	3,724.81	277.66	14.415				
9,900.00	6,946.57	6,948.57	6,948.57	95.35	240.85	-89.34	-1,142.54	-5,699.88	3,904.96	3,626.67	278.30	14.032				
10,000.00	6,946.84	6,948.84	6,948.84	98.02	240.86	-89.36	-1,142.54	-5,699.88	3,807.59	3,528.60	278.99	13.648				
10,100.00	6,947.11	6,949.11	6,949.11	100.70	240.87	-89.37	-1,142.54	-5,699.88	3,710.35	3,430.61	279.74	13.264				
10,200.00	6,947.37	6,949.37	6,949.37	103.38	240.88	-89.39	-1,142.54	-5,699.88	3,613.26	3,332.70	280.56	12.879				
10,300.00	6,947.64	6,949.64	6,949.64	106.08	240.89	-89.41	-1,142.54	-5,699.88	3,516.33	3,234.89	281.45	12.494				
10,400.00	6,947.90	6,949.90	6,949.90	108.78	240.90	-89.43	-1,142.54	-5,699.88	3,419.59	3,137.18	282.41	12.109				
10,500.00	6,948.17	6,950.17	6,950.17	111.49	240.91	-89.44	-1,142.54	-5,699.88	3,323.03	3,039.57	283.46	11.723				
10,600.00	6,948.44	6,950.44	6,950.44	114.21	240.92	-89.46	-1,142.54	-5,699.88	3,226.69	2,942.09	284.60	11.338				
10,700.00	6,948.70	6,950.70	6,950.70	116.94	240.93	-89.48	-1,142.54	-5,699.88	3,130.57	2,844.73	285.84	10.952				
10,800.00	6,948.97	6,950.97	6,950.97	119.67	240.94	-89.50	-1,142.54	-5,699.88	3,034.70	2,747.52	287.19	10.567				
10,900.00	6,949.24	6,951.24	6,951.24	122.41	240.94	-89.51	-1,142.54	-5,699.88	2,939.12	2,650.46	288.66	10.182				
11,000.00	6,949.50	6,951.50	6,951.50	125.15	240.95	-89.53	-1,142.54	-5,699.88	2,843.83	2,553.58	290.25	9.798				
11,100.00	6,949.77	6,951.77	6,951.77	127.90	240.96	-89.55	-1,142.54	-5,699.88	2,748.88	2,456.89	291.99	9.414				
11,200.00	6,950.03	6,952.03	6,952.03	130.65	240.97	-89.56	-1,142.54	-5,699.88	2,654.30	2,360.41	293.89	9.032				
11,300.00	6,950.30	6,952.30	6,952.30	133.41	240.98	-89.58	-1,142.54	-5,699.88	2,560.13	2,264.17	295.95	8.650				
11,400.00	6,950.57	6,952.57	6,952.57	136.17	240.99	-89.60	-1,142.54	-5,699.88	2,466.42	2,168.21	298.21	8.271				
11,500.00	6,950.83	6,952.83	6,952.83	138.94	241.00	-89.62	-1,142.54	-5,699.88	2,373.22	2,072.55	300.68	7.893				
11,600.00	6,951.10	6,953.10	6,953.10	141.71	241.01	-89.63	-1,142.54	-5,699.88	2,280.60	1,977.23	303.37	7.518				
11,700.00	6,951.36	6,953.36	6,953.36	144.48	241.02	-89.65	-1,142.54	-5,699.88	2,188.63	1,882.31	306.32	7.145				
11,800.00	6,951.63	6,953.63	6,953.63	147.26	241.03	-89.67	-1,142.54	-5,699.88	2,097.40	1,787.84	309.55	6.776				
11,900.00	6,951.90	6,953.90	6,953.90	150.03	241.04	-89.69	-1,142.54	-5,699.88	2,007.00	1,693.90	313.10	6.410				
12,000.00	6,952.16	6,954.16	6,954.16	152.82	241.05	-89.70	-1,142.54	-5,699.88	1,917.55	1,600.56	316.99	6.049				
12,100.00	6,952.43	6,954.43	6,954.43	155.60	241.06	-89.72	-1,142.54	-5,699.88	1,829.20	1,507.93	321.27	5.694				
12,200.00	6,952.69	6,954.69	6,954.69	158.39	241.07	-89.74	-1,142.54	-5,699.88	1,742.10	1,416.13	325.97	5.344				
12,300.00	6,952.96	6,954.96	6,954.96	161.18	241.07	-89.76	-1,142.54	-5,699.88	1,656.47	1,325.32	331.14	5.002				
12,400.00	6,953.23	6,955.23	6,955.23	163.97	241.08	-89.77	-1,142.54	-5,699.88	1,572.53	1,235.69	336.84	4.669				
12,500.00	6,953.49	6,955.49	6,955.49	166.77	241.09	-89.79	-1,142.54	-5,699.88	1,490.58	1,147.48	343.09	4.345				
12,600.00	6,953.76	6,955.76	6,955.76	169.56	241.10	-89.81	-1,142.54	-5,699.88	1,410.95	1,060.99	349.96	4.032				
12,700.00	6,954.02	6,956.02	6,956.02	172.36	241.11	-89.83	-1,142.54	-5,699.88	1,334.07	976.60	357.47	3.732				
12,800.00	6,954.29	6,956.29	6,956.29	175.16	241.12	-89.84	-1,142.54	-5,699.88	1,260.44	894.80	365.64	3.447				
12,900.00	6,954.56	6,956.56	6,956.56	177.97	241.13	-89.86	-1,142.54	-5,699.88	1,190.66	816.20	374.46	3.180				
13,000.00	6,954.82	6,956.82	6,956.82	180.77	241.14	-89.88	-1,142.54	-5,699.88	1,125.44	741.58	383.87	2.932				
13,100.00	6,955.09	6,957.09	6,957.09	183.58	241.15	-89.89	-1,142.54	-5,699.88	1,065.64	671.92	393.72	2.707				
13,200.00	6,955.35	6,957.35	6,957.35	186.38	241.16	-89.91	-1,142.54	-5,699.88	1,012.20	608.41	403.79	2.507				
13,300.00	6,955.62	6,957.62	6,957.62	189.19	241.17	-89.93	-1,142.54	-5,699.88	966.18	552.46	413.72	2.335				
13,400.00	6,955.89	6,957.89	6,957.89	192.00	241.18	-89.95	-1,142.54	-5,699.88	928.69	505.65	423.04	2.195				
13,500.00	6,956.15	6,958.15	6,958.15	194.82	241.19	-89.96	-1,142.54	-5,699.88	900.79	469.63	431.17	2.089				
13,600.00	6,956.42	6,958.42	6,958.42	197.63	241.20	-89.98	-1,142.54	-5,699.88	883.40	445.87	437.53	2.019				
13,700.00	6,956.68	6,958.68	6,958.68	200.44	241.20	-90.00	-1,142.54	-5,699.88	877.13	435.48	441.65	1.986				
13,705.20	6,956.70	6,958.70	6,958.70	200.59	241.21	-90.00	-1,142.54	-5,699.88	877.11	435.32	441.79	1.985 CC, 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,958.95	6,958.95	203.26	241.21	-90.02	-1,142.54	-5,699.88	882.22	438.96	443.26	1.990		
13,900.00	6,957.22	6,959.22	6,959.22	206.08	241.22	-90.03	-1,142.54	-5,699.88	898.48	456.09	442.39	2.031		
14,000.00	6,957.48	6,959.48	6,959.48	208.89	241.23	-90.05	-1,142.54	-5,699.88	925.33	486.01	439.32	2.106		
14,100.00	6,957.75	6,959.75	6,959.75	211.71	241.24	-90.07	-1,142.54	-5,699.88	961.87	527.35	434.52	2.214		
14,200.00	6,958.02	6,960.02	6,960.02	214.53	241.25	-90.09	-1,142.54	-5,699.88	1,007.05	578.54	428.51	2.350		
14,300.00	6,958.28	6,960.28	6,960.28	217.36	241.26	-90.10	-1,142.54	-5,699.88	1,059.77	638.00	421.77	2.513		
14,400.00	6,958.55	6,960.55	6,960.55	220.18	241.27	-90.12	-1,142.54	-5,699.88	1,118.96	704.25	414.71	2.698		
14,500.00	6,958.81	6,960.81	6,960.81	223.00	241.28	-90.14	-1,142.54	-5,699.88	1,183.65	776.02	407.63	2.904		
14,600.00	6,959.08	6,961.08	6,961.08	225.83	241.29	-90.16	-1,142.54	-5,699.88	1,252.99	852.27	400.73	3.127		
14,700.00	6,959.35	6,961.35	6,961.35	228.65	241.30	-90.17	-1,142.54	-5,699.88	1,326.25	932.12	394.13	3.365		
14,800.00	6,959.61	6,961.61	6,961.61	231.48	241.31	-90.19	-1,142.54	-5,699.88	1,402.82	1,014.90	387.92	3.616		
14,900.00	6,959.88	6,961.88	6,961.88	234.30	241.32	-90.21	-1,142.54	-5,699.88	1,482.18	1,100.07	382.11	3.879		
15,000.00	6,960.14	6,962.14	6,962.14	237.13	241.33	-90.23	-1,142.54	-5,699.88	1,563.91	1,187.19	376.72	4.151		
15,100.00	6,960.41	6,962.41	6,962.41	239.96	241.33	-90.24	-1,142.54	-5,699.88	1,647.66	1,275.92	371.74	4.432		
15,200.00	6,960.68	6,962.68	6,962.68	242.79	241.34	-90.26	-1,142.54	-5,699.88	1,733.13	1,366.00	367.13	4.721		
15,300.00	6,960.94	6,962.94	6,962.94	245.62	241.35	-90.28	-1,142.54	-5,699.88	1,820.08	1,457.20	362.89	5.016		
15,400.00	6,961.21	6,963.21	6,963.21	248.45	241.36	-90.29	-1,142.54	-5,699.88	1,908.31	1,549.34	358.97	5.316		
15,500.00	6,961.47	6,963.47	6,963.47	251.28	241.37	-90.31	-1,142.54	-5,699.88	1,997.65	1,642.30	355.36	5.622		
15,600.00	6,961.74	6,963.74	6,963.74	254.11	241.38	-90.33	-1,142.54	-5,699.88	2,087.96	1,735.94	352.02	5.931		
15,700.00	6,962.01	6,964.01	6,964.01	256.94	241.39	-90.35	-1,142.54	-5,699.88	2,179.11	1,830.17	348.94	6.245		
15,800.00	6,962.27	6,964.27	6,964.27	259.77	241.40	-90.36	-1,142.54	-5,699.88	2,271.01	1,924.92	346.09	6.562		
15,900.00	6,962.54	6,964.54	6,964.54	262.61	241.41	-90.38	-1,142.54	-5,699.88	2,363.57	2,020.12	343.45	6.882		
16,000.00	6,962.80	6,964.80	6,964.80	265.44	241.42	-90.40	-1,142.54	-5,699.88	2,456.71	2,115.71	341.00	7.204		
16,100.00	6,963.07	6,965.07	6,965.07	268.28	241.43	-90.42	-1,142.54	-5,699.88	2,550.37	2,211.64	338.72	7.529		
16,200.00	6,963.34	6,965.34	6,965.34	271.11	241.44	-90.43	-1,142.54	-5,699.88	2,644.49	2,307.88	336.61	7.856		
16,300.00	6,963.60	6,965.60	6,965.60	273.95	241.45	-90.45	-1,142.54	-5,699.88	2,739.03	2,404.39	334.63	8.185		
16,400.00	6,963.87	6,965.87	6,965.87	276.78	241.46	-90.47	-1,142.54	-5,699.88	2,833.94	2,501.15	332.79	8.516		
16,500.00	6,964.13	6,966.13	6,966.13	279.62	241.47	-90.49	-1,142.54	-5,699.88	2,929.20	2,598.12	331.07	8.848		
16,600.00	6,964.40	6,966.40	6,966.40	282.46	241.47	-90.50	-1,142.54	-5,699.88	3,024.76	2,695.29	329.47	9.181		
16,700.00	6,964.67	6,966.67	6,966.67	285.29	241.48	-90.52	-1,142.54	-5,699.88	3,120.59	2,792.63	327.96	9.515		
16,800.00	6,964.93	6,966.93	6,966.93	288.13	241.49	-90.54	-1,142.54	-5,699.88	3,216.69	2,890.14	326.55	9.851		
16,900.00	6,965.20	6,967.20	6,967.20	290.97	241.50	-90.56	-1,142.54	-5,699.88	3,313.01	2,987.79	325.22	10.187		
17,000.00	6,965.46	6,967.46	6,967.46	293.81	241.51	-90.57	-1,142.54	-5,699.88	3,409.54	3,085.57	323.97	10.524		
17,100.00	6,965.73	6,967.73	6,967.73	296.65	241.52	-90.59	-1,142.54	-5,699.88	3,506.27	3,183.47	322.80	10.862		
17,200.00	6,966.00	6,968.00	6,968.00	299.49	241.53	-90.61	-1,142.54	-5,699.88	3,603.18	3,281.48	321.70	11.201		
17,300.00	6,966.26	6,968.26	6,968.26	302.32	241.54	-90.62	-1,142.54	-5,699.88	3,700.25	3,379.60	320.65	11.540		
17,400.00	6,966.53	6,968.53	6,968.53	305.16	241.55	-90.64	-1,142.54	-5,699.88	3,797.47	3,477.80	319.67	11.879		
17,500.00	6,966.80	6,968.80	6,968.80	308.00	241.56	-90.66	-1,142.54	-5,699.88	3,894.84	3,576.09	318.74	12.219		
17,600.00	6,967.06	6,969.06	6,969.06	310.85	241.57	-90.68	-1,142.54	-5,699.88	3,992.33	3,674.47	317.86	12.560		
17,700.00	6,967.33	6,969.33	6,969.33	313.69	241.58	-90.69	-1,142.54	-5,699.88	4,089.95	3,772.91	317.03	12.901		
17,800.00	6,967.59	6,969.59	6,969.59	316.53	241.59	-90.71	-1,142.54	-5,699.88	4,187.67	3,871.43	316.25	13.242		
17,900.00	6,967.86	6,969.86	6,969.86	319.37	241.60	-90.73	-1,142.54	-5,699.88	4,285.51	3,970.00	315.50	13.583		
18,000.00	6,968.13	6,970.13	6,970.13	322.21	241.60	-90.75	-1,142.54	-5,699.88	4,383.44	4,068.64	314.80	13.925		
18,100.00	6,968.39	6,970.39	6,970.39	325.05	241.61	-90.76	-1,142.54	-5,699.88	4,481.46	4,167.33	314.13	14.266		
18,200.00	6,968.66	6,970.66	6,970.66	327.90	241.62	-90.78	-1,142.54	-5,699.88	4,579.57	4,266.08	313.49	14.608		
18,300.00	6,968.92	6,970.92	6,970.92	330.74	241.63	-90.80	-1,142.54	-5,699.88	4,677.75	4,364.87	312.89	14.950		
18,400.00	6,969.19	6,971.19	6,971.19	333.58	241.64	-90.82	-1,142.54	-5,699.88	4,776.02	4,463.70	312.32	15.292		
18,500.00	6,969.46	6,971.46	6,971.46	336.43	241.65	-90.83	-1,142.54	-5,699.88	4,874.35	4,562.58	311.77	15.634		
18,600.00	6,969.72	6,971.72	6,971.72	339.27	241.66	-90.85	-1,142.54	-5,699.88	4,972.75	4,661.50	311.25	15.977		
18,704.56	6,970.00	6,972.00	6,972.00	342.24	241.67	-90.87	-1,142.54	-5,699.88	5,075.70	4,764.97	310.74	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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	40.00	40.00	3.28	3.35	-78.12	1,487.01	-7,066.87	7,221.62					
100.00	100.00	140.00	140.00	3.28	4.54	-78.12	1,487.01	-7,066.87	7,221.62	7,213.80	7.83	922.689		
200.00	200.00	240.00	240.00	3.34	7.40	-78.12	1,487.01	-7,066.87	7,221.62	7,210.89	10.74	672.616		
300.00	299.98	339.98	339.98	3.44	10.64	-178.12	1,487.01	-7,066.87	7,223.37	7,209.28	14.08	512.890		
400.00	399.84	439.84	439.84	3.60	14.00	-178.11	1,487.01	-7,066.87	7,228.60	7,211.00	17.60	410.770		
500.00	499.45	539.45	539.45	3.80	17.40	-178.11	1,487.01	-7,066.87	7,237.31	7,216.11	21.20	341.359		
600.00	598.70	638.70	638.70	4.05	20.81	-178.11	1,487.01	-7,066.87	7,249.49	7,224.63	24.86	291.619		
700.00	697.47	737.47	737.47	4.33	24.22	-178.10	1,487.01	-7,066.87	7,265.12	7,236.57	28.55	254.464		
803.50	799.05	839.05	839.05	4.67	27.74	-178.09	1,487.01	-7,066.87	7,284.92	7,252.53	32.39	224.913		
900.00	893.41	933.41	933.41	5.02	31.01	-178.10	1,487.01	-7,066.87	7,305.09	7,269.11	35.98	203.018		
1,000.00	991.20	1,031.20	1,031.20	5.41	34.41	-178.10	1,487.01	-7,066.87	7,325.99	7,286.27	39.72	184.424		
1,100.00	1,088.99	1,128.99	1,128.99	5.81	37.81	-178.11	1,487.01	-7,066.87	7,346.89	7,303.40	43.48	168.952		
1,200.00	1,186.78	1,226.78	1,226.78	6.23	41.21	-178.11	1,487.01	-7,066.87	7,367.79	7,320.53	47.26	155.890		
1,300.00	1,284.57	1,324.57	1,324.57	6.67	44.62	-178.12	1,487.01	-7,066.87	7,388.69	7,337.64	51.05	144.722		
1,400.00	1,382.36	1,422.36	1,422.36	7.12	48.02	-178.12	1,487.01	-7,066.87	7,409.59	7,354.73	54.86	135.072		
1,500.00	1,480.15	1,520.15	1,520.15	7.57	51.43	-178.13	1,487.01	-7,066.87	7,430.49	7,371.82	58.67	126.652		
1,600.00	1,577.94	1,617.94	1,617.94	8.03	54.84	-178.13	1,487.01	-7,066.87	7,451.39	7,388.90	62.49	119.246		
1,700.00	1,675.73	1,715.73	1,715.73	8.50	58.24	-178.14	1,487.01	-7,066.87	7,472.29	7,405.98	66.31	112.681		
1,800.00	1,773.52	1,813.52	1,813.52	8.98	61.65	-178.14	1,487.01	-7,066.87	7,493.19	7,423.04	70.15	106.824		
1,900.00	1,871.31	1,911.31	1,911.31	9.45	65.06	-178.15	1,487.01	-7,066.87	7,514.09	7,440.11	73.98	101.568		
2,000.00	1,969.10	2,009.10	2,009.10	9.94	68.47	-178.15	1,487.01	-7,066.87	7,534.99	7,457.17	77.82	96.824		
2,100.00	2,066.88	2,106.88	2,106.88	10.42	71.88	-178.16	1,487.01	-7,066.87	7,555.89	7,474.22	81.67	92.523		
2,200.00	2,164.67	2,204.67	2,204.67	10.91	75.29	-178.16	1,487.01	-7,066.87	7,576.79	7,491.28	85.51	88.605		
2,300.00	2,262.46	2,302.46	2,302.46	11.40	78.70	-178.17	1,487.01	-7,066.87	7,597.69	7,508.33	89.36	85.022		
2,400.00	2,360.25	2,400.25	2,400.25	11.89	82.11	-178.18	1,487.01	-7,066.87	7,618.59	7,525.38	93.21	81.733		
2,500.00	2,458.04	2,501.96	2,498.04	12.39	85.66	-178.18	1,487.01	-7,066.87	7,639.49	7,542.29	97.20	78.592		
2,600.00	2,555.83	2,604.17	2,595.83	12.88	89.23	-178.18	1,487.01	-7,066.87	7,660.39	7,559.18	101.21	75.685		
2,700.00	2,653.62	2,706.38	2,693.62	13.38	92.79	-178.19	1,487.01	-7,066.87	7,681.29	7,576.07	105.23	72.998		
2,800.00	2,751.41	2,808.59	2,791.41	13.88	96.36	-178.19	1,487.01	-7,066.87	7,702.19	7,592.95	109.24	70.507		
2,900.00	2,849.20	2,889.20	2,889.20	14.38	99.17	-178.20	1,487.01	-7,066.87	7,723.09	7,610.59	112.50	68.649		
3,000.00	2,946.99	2,986.99	2,986.99	14.88	102.58	-178.20	1,487.01	-7,066.87	7,744.00	7,627.63	116.36	66.551		
3,100.00	3,044.78	3,084.78	3,084.78	15.38	106.00	-178.21	1,487.01	-7,066.87	7,764.90	7,644.67	120.23	64.586		
3,200.00	3,142.57	3,182.57	3,182.57	15.89	109.41	-178.21	1,487.01	-7,066.87	7,785.80	7,661.71	124.09	62.744		
3,300.00	3,240.36	3,280.36	3,280.36	16.39	112.82	-178.22	1,487.01	-7,066.87	7,806.70	7,678.74	127.95	61.012		
3,400.00	3,338.15	3,378.15	3,378.15	16.89	116.23	-178.22	1,487.01	-7,066.87	7,827.60	7,695.78	131.82	59.381		
3,500.00	3,435.93	3,475.93	3,475.93	17.40	119.64	-178.23	1,487.01	-7,066.87	7,848.50	7,712.82	135.69	57.843		
3,600.00	3,533.72	3,573.72	3,573.72	17.90	123.06	-178.23	1,487.01	-7,066.87	7,869.40	7,729.85	139.55	56.390		
3,700.00	3,631.51	3,671.51	3,671.51	18.41	126.47	-178.24	1,487.01	-7,066.87	7,890.30	7,746.88	143.42	55.015		
3,800.00	3,729.30	3,769.30	3,769.30	18.92	129.88	-178.24	1,487.01	-7,066.87	7,911.20	7,763.92	147.29	53.712		
3,900.00	3,827.09	3,867.09	3,867.09	19.42	133.30	-178.25	1,487.01	-7,066.87	7,932.11	7,780.95	151.16	52.476		
4,000.00	3,924.88	3,964.88	3,964.88	19.93	136.71	-178.25	1,487.01	-7,066.87	7,953.01	7,797.98	155.03	51.301		
4,100.00	4,022.67	4,062.67	4,062.67	20.44	140.12	-178.26	1,487.01	-7,066.87	7,973.91	7,815.01	158.90	50.183		
4,200.00	4,120.46	4,160.46	4,160.46	20.95	143.53	-178.26	1,487.01	-7,066.87	7,994.81	7,832.04	162.77	49.118		
4,300.00	4,218.25	4,258.25	4,258.25	21.46	146.95	-178.27	1,487.01	-7,066.87	8,015.71	7,849.07	166.64	48.103		
4,400.00	4,316.04	4,356.04	4,356.04	21.97	150.36	-178.27	1,487.01	-7,066.87	8,036.61	7,866.10	170.51	47.133		
4,500.00	4,413.83	4,453.83	4,453.83	22.48	153.77	-178.27	1,487.01	-7,066.87	8,057.51	7,883.13	174.38	46.207		
4,600.00	4,511.62	4,551.62	4,551.62	22.99	157.19	-178.28	1,487.01	-7,066.87	8,078.42	7,900.16	178.25	45.320		
4,700.00	4,609.41	4,649.41	4,649.41	23.50	160.60	-178.28	1,487.01	-7,066.87	8,099.32	7,917.19	182.12	44.472		
4,800.00	4,707.20	4,747.20	4,747.20	24.01	164.01	-178.29	1,487.01	-7,066.87	8,120.22	7,934.22	186.00	43.658		
4,900.00	4,804.98	4,844.98	4,844.98	24.52	167.43	-178.29	1,487.01	-7,066.87	8,141.12	7,951.25	189.87	42.878		
5,000.00	4,902.77	4,942.77	4,942.77	25.03	170.84	-178.30	1,487.01	-7,066.87	8,162.02	7,968.28	193.74	42.129		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,040.56	5,040.56	25.54	174.25	-178.30	1,487.01	-7,066.87	8,182.92	7,985.31	197.61	41.409			
5,200.00	5,098.35	5,138.35	5,138.35	26.05	177.67	-178.31	1,487.01	-7,066.87	8,203.83	8,002.34	201.49	40.716			
5,300.00	5,196.14	5,236.14	5,236.14	26.56	181.08	-178.31	1,487.01	-7,066.87	8,224.73	8,019.37	205.36	40.050			
5,400.00	5,293.93	5,333.93	5,333.93	27.07	184.49	-178.31	1,487.01	-7,066.87	8,245.63	8,036.40	209.23	39.409			
5,500.00	5,391.72	5,431.72	5,431.72	27.58	187.90	-178.32	1,487.01	-7,066.87	8,266.53	8,053.42	213.11	38.790			
5,600.00	5,489.51	5,529.51	5,529.51	28.09	191.32	-178.32	1,487.01	-7,066.87	8,287.43	8,070.45	216.98	38.194			
5,700.00	5,587.30	5,627.30	5,627.30	28.61	194.73	-178.33	1,487.01	-7,066.87	8,308.34	8,087.48	220.86	37.619			
5,800.00	5,685.09	5,725.09	5,725.09	29.12	198.14	-178.33	1,487.01	-7,066.87	8,329.24	8,104.51	224.73	37.063			
5,900.00	5,782.88	5,822.88	5,822.88	29.63	201.56	-178.33	1,487.01	-7,066.87	8,350.14	8,121.53	228.61	36.526			
6,000.00	5,880.67	5,920.67	5,920.67	30.14	204.97	-178.34	1,487.01	-7,066.87	8,371.04	8,138.56	232.48	36.007			
6,100.00	5,978.46	6,018.46	6,018.46	30.65	208.39	-178.34	1,487.01	-7,066.87	8,391.95	8,155.59	236.36	35.505			
6,200.00	6,076.25	6,116.25	6,116.25	31.17	211.80	-178.35	1,487.01	-7,066.87	8,412.85	8,172.61	240.23	35.020			
6,298.86	6,172.92	6,212.92	6,212.92	31.67	215.17	-178.35	1,487.01	-7,066.87	8,433.51	8,189.45	244.06	34.555			
6,300.00	6,174.03	6,214.03	6,214.03	31.68	215.21	-178.44	1,487.01	-7,066.87	8,433.75	8,189.64	244.11	34.549			
6,350.00	6,223.30	6,263.30	6,263.30	31.92	216.93	175.25	1,487.01	-7,066.87	8,442.23	8,196.17	246.05	34.311			
6,400.00	6,273.06	6,313.06	6,313.06	32.13	218.67	153.77	1,487.01	-7,066.87	8,446.90	8,198.90	248.00	34.060			
6,450.00	6,323.01	6,363.01	6,363.01	32.32	220.41	63.35	1,487.01	-7,066.87	8,447.73	8,197.79	249.94	33.799			
6,500.00	6,372.84	6,412.84	6,412.84	32.48	222.15	31.17	1,487.01	-7,066.87	8,444.73	8,192.88	251.85	33.531			
6,550.00	6,422.24	6,462.24	6,462.24	32.65	223.88	23.57	1,487.01	-7,066.87	8,437.90	8,184.18	253.73	33.256			
6,600.00	6,470.92	6,510.92	6,510.92	32.83	225.57	20.51	1,487.01	-7,066.87	8,427.30	8,171.74	255.56	32.976			
6,650.00	6,518.56	6,558.56	6,558.56	33.01	227.24	19.03	1,487.01	-7,066.87	8,412.98	8,155.64	257.34	32.692			
6,700.00	6,564.89	6,604.89	6,604.89	33.21	228.86	18.32	1,487.01	-7,066.87	8,395.05	8,135.99	259.06	32.406			
6,750.00	6,609.60	6,649.60	6,649.60	33.43	230.42	18.09	1,487.01	-7,066.87	8,373.60	8,112.89	260.71	32.119			
6,800.00	6,652.43	6,692.43	6,692.43	33.66	232.44	18.21	1,487.01	-7,066.87	8,348.78	8,085.98	262.80	31.769			
6,850.00	6,693.10	6,733.10	6,733.10	33.91	233.33	18.64	1,487.01	-7,066.87	8,320.74	8,056.99	263.75	31.548			
6,900.00	6,731.38	6,771.38	6,771.38	34.20	234.67	19.35	1,487.01	-7,066.87	8,289.64	8,024.52	265.12	31.267			
6,950.00	6,767.02	6,807.02	6,807.02	34.51	235.91	20.39	1,487.01	-7,066.87	8,255.70	7,989.30	266.40	30.990			
7,000.00	6,799.81	6,839.81	6,839.81	34.85	237.06	21.79	1,487.01	-7,066.87	8,219.11	7,951.55	267.56	30.718			
7,050.00	6,829.54	6,869.54	6,869.54	35.24	238.09	23.66	1,487.01	-7,066.87	8,180.11	7,911.50	268.61	30.453			
7,100.00	6,856.03	6,896.03	6,896.03	35.66	239.30	26.14	1,487.01	-7,066.87	8,138.94	7,869.11	269.83	30.164			
7,150.00	6,879.11	6,919.11	6,919.11	36.12	239.82	29.44	1,487.01	-7,066.87	8,095.84	7,825.48	270.36	29.944			
7,200.00	6,898.65	6,938.65	6,938.65	36.62	240.51	33.94	1,487.01	-7,066.87	8,051.10	7,780.05	271.05	29.703			
7,250.00	6,914.51	6,954.51	6,954.51	37.15	241.06	40.18	1,487.01	-7,066.87	8,004.98	7,733.37	271.61	29.472			
7,300.00	6,926.62	6,966.62	6,966.62	37.73	241.48	49.00	1,487.01	-7,066.87	7,957.77	7,685.72	272.05	29.251			
7,350.00	6,934.88	6,974.88	6,974.88	38.34	241.77	61.48	1,487.01	-7,066.87	7,909.77	7,637.40	272.36	29.041			
7,400.00	6,939.26	6,979.26	6,979.26	38.97	241.92	78.19	1,487.01	-7,066.87	7,861.26	7,588.71	272.55	28.844			
7,429.12	6,940.00	6,980.00	6,980.00	39.34	241.95	89.34	1,487.01	-7,066.87	7,832.90	7,560.30	272.59	28.735			
7,500.00	6,940.19	6,980.19	6,980.19	40.31	241.96	89.34	1,487.01	-7,066.87	7,763.84	7,491.18	272.66	28.474			
7,600.00	6,940.46	6,980.46	6,980.46	41.80	241.96	89.35	1,487.01	-7,066.87	7,666.47	7,393.69	272.78	28.105			
7,700.00	6,940.72	6,980.72	6,980.72	43.43	241.97	89.36	1,487.01	-7,066.87	7,569.17	7,296.25	272.92	27.734			
7,800.00	6,940.99	6,980.99	6,980.99	45.19	241.98	89.37	1,487.01	-7,066.87	7,471.94	7,198.86	273.07	27.362			
7,900.00	6,941.25	6,981.25	6,981.25	47.05	241.99	89.38	1,487.01	-7,066.87	7,374.78	7,101.53	273.26	26.989			
8,000.00	6,941.52	6,981.52	6,981.52	49.02	242.00	89.39	1,487.01	-7,066.87	7,277.70	7,004.24	273.46	26.613			
8,100.00	6,941.79	6,981.79	6,981.79	51.06	242.01	89.40	1,487.01	-7,066.87	7,180.70	6,907.01	273.69	26.236			
8,200.00	6,942.05	6,982.05	6,982.05	53.18	242.02	89.40	1,487.01	-7,066.87	7,083.79	6,809.84	273.95	25.858			
8,300.00	6,942.32	6,982.32	6,982.32	55.37	242.03	89.41	1,487.01	-7,066.87	6,986.96	6,712.72	274.24	25.478			
8,400.00	6,942.58	6,982.58	6,982.58	57.62	242.04	89.42	1,487.01	-7,066.87	6,890.22	6,615.67	274.55	25.096			
8,500.00	6,942.85	6,982.85	6,982.85	59.92	242.05	89.43	1,487.01	-7,066.87	6,793.58	6,518.68	274.90	24.713			
8,600.00	6,943.12	6,983.12	6,983.12	62.26	242.06	89.44	1,487.01	-7,066.87	6,697.03	6,421.75	275.28	24.328			
8,700.00	6,943.38	6,983.38	6,983.38	64.65	242.07	89.45	1,487.01	-7,066.87	6,600.59	6,324.89	275.70	23.941			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON #32-10(PR) - 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					
8,800.00	6,943.65	6,983.65	6,983.65	67.08	242.08	89.46	1,487.01	-7,066.87	6,504.25	6,228.11	276.15	23.554					
8,900.00	6,943.91	6,983.91	6,983.91	69.53	242.09	89.47	1,487.01	-7,066.87	6,408.03	6,131.40	276.64	23.164					
9,000.00	6,944.18	6,984.18	6,984.18	72.02	242.09	89.47	1,487.01	-7,066.87	6,311.93	6,034.76	277.16	22.773					
9,100.00	6,944.45	6,984.45	6,984.45	74.54	242.10	89.48	1,487.01	-7,066.87	6,215.94	5,938.21	277.73	22.381					
9,200.00	6,944.71	6,984.71	6,984.71	77.07	242.11	89.49	1,487.01	-7,066.87	6,120.09	5,841.75	278.34	21.988					
9,300.00	6,944.98	6,984.98	6,984.98	79.63	242.12	89.50	1,487.01	-7,066.87	6,024.37	5,745.38	279.00	21.593					
9,400.00	6,945.24	6,985.24	6,985.24	82.21	242.13	89.51	1,487.01	-7,066.87	5,928.79	5,649.10	279.70	21.197					
9,500.00	6,945.51	6,985.51	6,985.51	84.81	242.14	89.52	1,487.01	-7,066.87	5,833.36	5,552.92	280.45	20.800					
9,600.00	6,945.78	6,985.78	6,985.78	87.43	242.15	89.53	1,487.01	-7,066.87	5,738.09	5,456.84	281.25	20.402					
9,700.00	6,946.04	6,986.04	6,986.04	90.05	242.16	89.53	1,487.01	-7,066.87	5,642.98	5,360.88	282.10	20.004					
9,800.00	6,946.31	6,986.31	6,986.31	92.70	242.17	89.54	1,487.01	-7,066.87	5,548.04	5,265.04	283.00	19.604					
9,900.00	6,946.57	6,986.57	6,986.57	95.35	242.18	89.55	1,487.01	-7,066.87	5,453.29	5,169.32	283.97	19.204					
10,000.00	6,946.84	6,986.84	6,986.84	98.02	242.19	89.56	1,487.01	-7,066.87	5,358.72	5,073.73	284.99	18.803					
10,100.00	6,947.11	6,987.11	6,987.11	100.70	242.20	89.57	1,487.01	-7,066.87	5,264.35	4,978.28	286.07	18.402					
10,200.00	6,947.37	6,987.37	6,987.37	103.38	242.21	89.58	1,487.01	-7,066.87	5,170.20	4,882.98	287.22	18.001					
10,300.00	6,947.64	6,987.64	6,987.64	106.08	242.22	89.59	1,487.01	-7,066.87	5,076.27	4,787.84	288.43	17.600					
10,400.00	6,947.90	6,987.90	6,987.90	108.78	242.22	89.60	1,487.01	-7,066.87	4,982.57	4,692.86	289.71	17.199					
10,500.00	6,948.17	6,988.17	6,988.17	111.49	242.23	89.60	1,487.01	-7,066.87	4,889.13	4,598.07	291.06	16.797					
10,600.00	6,948.44	6,988.44	6,988.44	114.21	242.24	89.61	1,487.01	-7,066.87	4,795.95	4,503.46	292.49	16.397					
10,700.00	6,948.70	6,988.70	6,988.70	116.94	242.25	89.62	1,487.01	-7,066.87	4,703.05	4,409.05	294.00	15.997					
10,800.00	6,948.97	6,988.97	6,988.97	119.67	242.26	89.63	1,487.01	-7,066.87	4,610.45	4,314.86	295.59	15.598					
10,900.00	6,949.24	6,989.24	6,989.24	122.41	242.27	89.64	1,487.01	-7,066.87	4,518.16	4,220.89	297.26	15.199					
11,000.00	6,949.50	6,989.50	6,989.50	125.15	242.28	89.65	1,487.01	-7,066.87	4,426.21	4,127.18	299.03	14.802					
11,100.00	6,949.77	6,989.77	6,989.77	127.90	242.29	89.66	1,487.01	-7,066.87	4,334.61	4,033.72	300.89	14.406					
11,200.00	6,950.03	7,009.97	6,990.03	130.65	243.00	89.67	1,487.01	-7,066.87	4,243.39	3,939.85	303.54	13.980					
11,300.00	6,950.30	7,009.70	6,990.30	133.41	242.99	89.67	1,487.01	-7,066.87	4,152.58	3,847.00	305.58	13.589					
11,400.00	6,950.57	7,009.43	6,990.57	136.17	242.98	89.68	1,487.01	-7,066.87	4,062.20	3,754.47	307.73	13.201					
11,500.00	6,950.83	7,009.17	6,990.83	138.94	242.97	89.69	1,487.01	-7,066.87	3,972.28	3,662.29	309.99	12.814					
11,600.00	6,951.10	7,008.90	6,991.10	141.71	242.96	89.70	1,487.01	-7,066.87	3,882.85	3,570.48	312.38	12.430					
11,700.00	6,951.36	7,008.64	6,991.36	144.48	242.95	89.71	1,487.01	-7,066.87	3,793.95	3,479.07	314.88	12.049					
11,800.00	6,951.63	7,008.37	6,991.63	147.26	242.94	89.72	1,487.01	-7,066.87	3,705.62	3,388.10	317.52	11.670					
11,900.00	6,951.90	7,008.10	6,991.90	150.03	242.93	89.73	1,487.01	-7,066.87	3,617.90	3,297.60	320.30	11.295					
12,000.00	6,952.16	7,007.84	6,992.16	152.82	242.92	89.73	1,487.01	-7,066.87	3,530.82	3,207.60	323.22	10.924					
12,100.00	6,952.43	7,007.57	6,992.43	155.60	242.91	89.74	1,487.01	-7,066.87	3,444.45	3,118.16	326.29	10.556					
12,200.00	6,952.69	7,007.31	6,992.69	158.39	242.90	89.75	1,487.01	-7,066.87	3,358.84	3,029.31	329.53	10.193					
12,300.00	6,952.96	7,007.04	6,992.96	161.18	242.89	89.76	1,487.01	-7,066.87	3,274.04	2,941.11	332.93	9.834					
12,400.00	6,953.23	7,006.77	6,993.23	163.97	242.88	89.77	1,487.01	-7,066.87	3,190.12	2,853.61	336.51	9.480					
12,500.00	6,953.49	7,006.51	6,993.49	166.77	242.87	89.78	1,487.01	-7,066.87	3,107.16	2,766.88	340.27	9.131					
12,600.00	6,953.76	7,006.24	6,993.76	169.56	242.87	89.79	1,487.01	-7,066.87	3,025.22	2,680.99	344.23	8.788					
12,700.00	6,954.02	7,005.98	6,994.02	172.36	242.86	89.80	1,487.01	-7,066.87	2,944.40	2,596.02	348.38	8.452					
12,800.00	6,954.29	7,005.71	6,994.29	175.16	242.85	89.80	1,487.01	-7,066.87	2,864.79	2,512.04	352.75	8.121					
12,900.00	6,954.56	7,005.44	6,994.56	177.97	242.84	89.81	1,487.01	-7,066.87	2,786.50	2,429.17	357.33	7.798					
13,000.00	6,954.82	7,005.18	6,994.82	180.77	242.83	89.82	1,487.01	-7,066.87	2,709.63	2,347.50	362.13	7.483					
13,100.00	6,955.09	7,004.91	6,995.09	183.58	242.82	89.83	1,487.01	-7,066.87	2,634.32	2,267.16	367.16	7.175					
13,200.00	6,955.35	7,004.65	6,995.35	186.38	242.81	89.84	1,487.01	-7,066.87	2,560.70	2,188.29	372.42	6.876					
13,300.00	6,955.62	7,004.38	6,995.62	189.19	242.80	89.85	1,487.01	-7,066.87	2,488.92	2,111.02	377.91	6.586					
13,400.00	6,955.89	7,004.11	6,995.89	192.00	242.79	89.86	1,487.01	-7,066.87	2,419.15	2,035.52	383.62	6.306					
13,500.00	6,956.15	7,003.85	6,996.15	194.82	242.78	89.86	1,487.01	-7,066.87	2,351.55	1,961.99	389.56	6.036					
13,600.00	6,956.42	7,003.58	6,996.42	197.63	242.77	89.87	1,487.01	-7,066.87	2,286.34	1,890.62	395.72	5.778					
13,700.00	6,956.68	7,003.32	6,996.68	200.44	242.76	89.88	1,487.01	-7,066.87	2,223.71	1,821.65	402.06	5.531					
13,800.00	6,956.95	7,003.05	6,996.95	203.26	242.75	89.89	1,487.01	-7,066.87	2,163.89	1,755.31	408.58	5.296					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	7,002.78	6,997.22	206.08	242.74	89.90	1,487.01	-7,066.87	2,107.12	1,691.88	415.24	5.074		
14,000.00	6,957.48	7,002.52	6,997.48	208.89	242.74	89.91	1,487.01	-7,066.87	2,053.66	1,631.66	422.00	4.866		
14,100.00	6,957.75	7,002.25	6,997.75	211.71	242.73	89.92	1,487.01	-7,066.87	2,003.76	1,574.95	428.81	4.673		
14,200.00	6,958.02	7,001.99	6,998.02	214.53	242.72	89.93	1,487.01	-7,066.87	1,957.70	1,522.10	435.60	4.494		
14,300.00	6,958.28	7,001.72	6,998.28	217.36	242.71	89.93	1,487.01	-7,066.87	1,915.75	1,473.45	442.31	4.331		
14,400.00	6,958.55	7,001.45	6,998.55	220.18	242.70	89.94	1,487.01	-7,066.87	1,878.20	1,429.35	448.85	4.184		
14,500.00	6,958.81	7,001.19	6,998.81	223.00	242.69	89.95	1,487.01	-7,066.87	1,845.32	1,390.17	455.14	4.054		
14,600.00	6,959.08	7,000.92	6,999.08	225.83	242.68	89.96	1,487.01	-7,066.87	1,817.34	1,356.25	461.09	3.941		
14,700.00	6,959.35	7,000.65	6,999.35	228.65	242.67	89.97	1,487.01	-7,066.87	1,794.51	1,327.92	466.59	3.846		
14,800.00	6,959.61	7,000.39	6,999.61	231.48	242.66	89.98	1,487.01	-7,066.87	1,777.02	1,305.45	471.57	3.768		
14,900.00	6,959.88	7,000.12	6,999.88	234.30	242.65	89.99	1,487.01	-7,066.87	1,765.03	1,289.10	475.93	3.709		
15,000.00	6,960.14	7,000.14	7,000.14	237.13	242.65	89.99	1,487.01	-7,066.87	1,758.66	1,279.04	479.62	3.667		
15,062.32	6,960.31	7,000.31	7,000.31	238.89	242.66	90.00	1,487.01	-7,066.87	1,757.55	1,276.00	481.55	3.650 CC		
15,100.00	6,960.41	7,000.41	7,000.41	239.96	242.66	90.00	1,487.01	-7,066.87	1,757.96	1,275.38	482.58	3.643 ES		
15,200.00	6,960.68	7,000.68	7,000.68	242.79	242.67	90.01	1,487.01	-7,066.87	1,762.94	1,278.16	484.78	3.637 SF		
15,300.00	6,960.94	7,000.94	7,000.94	245.62	242.68	90.02	1,487.01	-7,066.87	1,773.55	1,287.35	486.20	3.648		
15,400.00	6,961.21	7,001.21	7,001.21	248.45	242.69	90.03	1,487.01	-7,066.87	1,789.70	1,302.83	486.87	3.676		
15,500.00	6,961.47	7,001.47	7,001.47	251.28	242.70	90.04	1,487.01	-7,066.87	1,811.23	1,324.42	486.81	3.721		
15,600.00	6,961.74	7,001.74	7,001.74	254.11	242.71	90.05	1,487.01	-7,066.87	1,837.96	1,351.89	486.07	3.781		
15,700.00	6,962.01	7,002.01	7,002.01	256.94	242.72	90.06	1,487.01	-7,066.87	1,869.66	1,384.93	484.73	3.857		
15,800.00	6,962.27	7,002.27	7,002.27	259.77	242.73	90.06	1,487.01	-7,066.87	1,906.09	1,423.24	482.84	3.948		
15,900.00	6,962.54	7,002.54	7,002.54	262.61	242.74	90.07	1,487.01	-7,066.87	1,946.97	1,466.48	480.50	4.052		
16,000.00	6,962.80	7,002.80	7,002.80	265.44	242.75	90.08	1,487.01	-7,066.87	1,992.04	1,514.28	477.76	4.170		
16,100.00	6,963.07	7,003.07	7,003.07	268.28	242.75	90.09	1,487.01	-7,066.87	2,041.02	1,566.30	474.72	4.299		
16,200.00	6,963.34	7,003.34	7,003.34	271.11	242.76	90.10	1,487.01	-7,066.87	2,093.63	1,622.20	471.43	4.441		
16,300.00	6,963.60	7,003.60	7,003.60	273.95	242.77	90.11	1,487.01	-7,066.87	2,149.61	1,681.65	467.96	4.594		
16,400.00	6,963.87	7,003.87	7,003.87	276.78	242.78	90.12	1,487.01	-7,066.87	2,208.70	1,744.34	464.37	4.756		
16,500.00	6,964.13	7,004.13	7,004.13	279.62	242.79	90.12	1,487.01	-7,066.87	2,270.66	1,809.97	460.69	4.929		
16,600.00	6,964.40	7,004.40	7,004.40	282.46	242.80	90.13	1,487.01	-7,066.87	2,335.26	1,878.28	456.98	5.110		
16,700.00	6,964.67	7,004.67	7,004.67	285.29	242.81	90.14	1,487.01	-7,066.87	2,402.29	1,949.02	453.27	5.300		
16,800.00	6,964.93	7,004.93	7,004.93	288.13	242.82	90.15	1,487.01	-7,066.87	2,471.54	2,021.96	449.58	5.497		
16,900.00	6,965.20	7,005.20	7,005.20	290.97	242.83	90.16	1,487.01	-7,066.87	2,542.84	2,096.91	445.93	5.702		
17,000.00	6,965.46	7,005.46	7,005.46	293.81	242.84	90.17	1,487.01	-7,066.87	2,616.02	2,173.67	442.35	5.914		
17,100.00	6,965.73	7,005.73	7,005.73	296.65	242.85	90.18	1,487.01	-7,066.87	2,690.93	2,252.08	438.85	6.132		
17,200.00	6,966.00	7,006.00	7,006.00	299.49	242.86	90.19	1,487.01	-7,066.87	2,767.43	2,331.99	435.44	6.356		
17,300.00	6,966.26	7,006.26	7,006.26	302.32	242.87	90.19	1,487.01	-7,066.87	2,845.38	2,413.27	432.11	6.585		
17,400.00	6,966.53	7,006.53	7,006.53	305.16	242.88	90.20	1,487.01	-7,066.87	2,924.67	2,495.78	428.89	6.819		
17,500.00	6,966.80	7,006.80	7,006.80	308.00	242.88	90.21	1,487.01	-7,066.87	3,005.20	2,579.43	425.77	7.058		
17,600.00	6,967.06	7,007.06	7,007.06	310.85	242.89	90.22	1,487.01	-7,066.87	3,086.87	2,664.12	422.75	7.302		
17,700.00	6,967.33	7,007.33	7,007.33	313.69	242.90	90.23	1,487.01	-7,066.87	3,169.59	2,749.75	419.84	7.550		
17,800.00	6,967.59	7,007.59	7,007.59	316.53	242.91	90.24	1,487.01	-7,066.87	3,253.28	2,836.25	417.03	7.801		
17,900.00	6,967.86	7,007.86	7,007.86	319.37	242.92	90.25	1,487.01	-7,066.87	3,337.87	2,923.55	414.32	8.056		
18,000.00	6,968.13	7,008.13	7,008.13	322.21	242.93	90.25	1,487.01	-7,066.87	3,423.29	3,011.58	411.71	8.315		
18,100.00	6,968.39	7,008.39	7,008.39	325.05	242.94	90.26	1,487.01	-7,066.87	3,509.48	3,100.28	409.20	8.577		
18,200.00	6,968.66	7,008.66	7,008.66	327.90	242.95	90.27	1,487.01	-7,066.87	3,596.38	3,189.61	406.78	8.841		
18,300.00	6,968.92	7,008.92	7,008.92	330.74	242.96	90.28	1,487.01	-7,066.87	3,683.95	3,279.51	404.45	9.109		
18,400.00	6,969.19	7,009.19	7,009.19	333.58	242.97	90.29	1,487.01	-7,066.87	3,772.14	3,369.93	402.21	9.379		
18,500.00	6,969.46	7,009.46	7,009.46	336.43	242.98	90.30	1,487.01	-7,066.87	3,860.90	3,460.85	400.05	9.651		
18,600.00	6,969.72	7,009.72	7,009.72	339.27	242.99	90.31	1,487.01	-7,066.87	3,950.20	3,552.23	397.97	9.926		
18,704.56	6,970.00	7,010.00	7,010.00	342.24	243.00	90.32	1,487.01	-7,066.87	4,044.11	3,648.23	395.88	10.215		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-77.27	1,293.58	-5,723.78	5,868.14					
100.00	100.00	130.00	130.00	3.28	4.31	-77.27	1,293.58	-5,723.78	5,868.14	5,860.55	7.59	772.875		
200.00	200.00	230.00	230.00	3.34	7.09	-77.27	1,293.58	-5,723.78	5,868.14	5,857.71	10.43	562.871		
300.00	299.98	329.98	329.98	3.44	10.31	-177.26	1,293.58	-5,723.78	5,869.88	5,856.13	13.75	426.835		
400.00	399.84	429.84	429.84	3.60	13.66	-177.26	1,293.58	-5,723.78	5,875.11	5,857.85	17.26	340.418		
500.00	499.45	529.45	529.45	3.80	17.06	-177.26	1,293.58	-5,723.78	5,883.82	5,862.96	20.86	282.080		
600.00	598.70	628.70	628.70	4.05	20.47	-177.25	1,293.58	-5,723.78	5,895.99	5,871.47	24.51	240.508		
700.00	697.47	727.47	727.47	4.33	23.88	-177.24	1,293.58	-5,723.78	5,911.61	5,883.41	28.20	209.597		
803.50	799.05	829.05	829.05	4.67	27.39	-177.23	1,293.58	-5,723.78	5,931.40	5,899.36	32.04	185.107		
900.00	893.41	923.41	923.41	5.02	30.67	-177.24	1,293.58	-5,723.78	5,951.56	5,915.92	35.63	167.014		
1,000.00	991.20	1,021.20	1,021.20	5.41	34.06	-177.25	1,293.58	-5,723.78	5,972.44	5,933.07	39.38	151.679		
1,100.00	1,088.99	1,118.99	1,118.99	5.81	37.46	-177.26	1,293.58	-5,723.78	5,993.33	5,950.20	43.14	138.938		
1,200.00	1,186.78	1,216.78	1,216.78	6.23	40.86	-177.27	1,293.58	-5,723.78	6,014.22	5,967.31	46.91	128.196		
1,300.00	1,284.57	1,314.57	1,314.57	6.67	44.27	-177.28	1,293.58	-5,723.78	6,035.11	5,984.40	50.71	119.023		
1,400.00	1,382.36	1,412.36	1,412.36	7.12	47.67	-177.29	1,293.58	-5,723.78	6,056.00	6,001.49	54.51	111.104		
1,500.00	1,480.15	1,510.15	1,510.15	7.57	51.08	-177.30	1,293.58	-5,723.78	6,076.88	6,018.57	58.32	104.201		
1,600.00	1,577.94	1,607.94	1,607.94	8.03	54.49	-177.31	1,293.58	-5,723.78	6,097.77	6,035.63	62.14	98.132		
1,700.00	1,675.73	1,705.73	1,705.73	8.50	57.89	-177.32	1,293.58	-5,723.78	6,118.66	6,052.70	65.96	92.758		
1,800.00	1,773.52	1,803.52	1,803.52	8.98	61.30	-177.33	1,293.58	-5,723.78	6,139.55	6,069.76	69.80	87.965		
1,900.00	1,871.31	1,901.31	1,901.31	9.45	64.71	-177.34	1,293.58	-5,723.78	6,160.44	6,086.81	73.63	83.666		
2,000.00	1,969.10	2,000.91	1,999.10	9.94	68.19	-177.35	1,293.58	-5,723.78	6,181.33	6,103.79	77.53	79.724		
2,100.00	2,066.88	2,103.12	2,096.88	10.42	71.75	-177.35	1,293.58	-5,723.78	6,202.22	6,120.69	81.53	76.071		
2,200.00	2,164.67	2,205.33	2,194.67	10.91	75.31	-177.36	1,293.58	-5,723.78	6,223.11	6,137.57	85.53	72.756		
2,300.00	2,262.46	2,307.54	2,292.46	11.40	78.88	-177.37	1,293.58	-5,723.78	6,244.00	6,154.46	89.54	69.736		
2,400.00	2,360.25	2,409.75	2,390.25	11.89	82.44	-177.38	1,293.58	-5,723.78	6,264.89	6,171.34	93.54	66.973		
2,500.00	2,458.04	2,488.04	2,488.04	12.39	85.18	-177.39	1,293.58	-5,723.78	6,285.78	6,189.06	96.72	64.991		
2,600.00	2,555.83	2,585.83	2,585.83	12.88	88.59	-177.40	1,293.58	-5,723.78	6,306.67	6,206.09	100.57	62.707		
2,700.00	2,653.62	2,683.62	2,683.62	13.38	92.00	-177.41	1,293.58	-5,723.78	6,327.56	6,223.13	104.43	60.591		
2,800.00	2,751.41	2,781.41	2,781.41	13.88	95.41	-177.42	1,293.58	-5,723.78	6,348.45	6,240.16	108.29	58.625		
2,900.00	2,849.20	2,879.20	2,879.20	14.38	98.82	-177.42	1,293.58	-5,723.78	6,369.34	6,257.19	112.15	56.793		
3,000.00	2,946.99	2,976.99	2,976.99	14.88	102.23	-177.43	1,293.58	-5,723.78	6,390.23	6,274.22	116.01	55.083		
3,100.00	3,044.78	3,074.78	3,074.78	15.38	105.65	-177.44	1,293.58	-5,723.78	6,411.12	6,291.24	119.87	53.482		
3,200.00	3,142.57	3,172.57	3,172.57	15.89	109.06	-177.45	1,293.58	-5,723.78	6,432.01	6,308.27	123.74	51.981		
3,300.00	3,240.36	3,270.36	3,270.36	16.39	112.47	-177.46	1,293.58	-5,723.78	6,452.90	6,325.30	127.60	50.570		
3,400.00	3,338.15	3,368.15	3,368.15	16.89	115.88	-177.47	1,293.58	-5,723.78	6,473.79	6,342.32	131.47	49.243		
3,500.00	3,435.93	3,465.93	3,465.93	17.40	119.30	-177.47	1,293.58	-5,723.78	6,494.68	6,359.35	135.33	47.990		
3,600.00	3,533.72	3,563.72	3,563.72	17.90	122.71	-177.48	1,293.58	-5,723.78	6,515.57	6,376.37	139.20	46.807		
3,700.00	3,631.51	3,661.51	3,661.51	18.41	126.12	-177.49	1,293.58	-5,723.78	6,536.46	6,393.40	143.07	45.688		
3,800.00	3,729.30	3,759.30	3,759.30	18.92	129.53	-177.50	1,293.58	-5,723.78	6,557.35	6,410.42	146.94	44.627		
3,900.00	3,827.09	3,857.09	3,857.09	19.42	132.95	-177.51	1,293.58	-5,723.78	6,578.25	6,427.44	150.80	43.621		
4,000.00	3,924.88	3,954.88	3,954.88	19.93	136.36	-177.51	1,293.58	-5,723.78	6,599.14	6,444.47	154.67	42.665		
4,100.00	4,022.67	4,052.67	4,052.67	20.44	139.77	-177.52	1,293.58	-5,723.78	6,620.03	6,461.49	158.54	41.755		
4,200.00	4,120.46	4,150.46	4,150.46	20.95	143.18	-177.53	1,293.58	-5,723.78	6,640.92	6,478.51	162.41	40.889		
4,300.00	4,218.25	4,248.25	4,248.25	21.46	146.60	-177.54	1,293.58	-5,723.78	6,661.82	6,495.53	166.28	40.063		
4,400.00	4,316.04	4,346.04	4,346.04	21.97	150.01	-177.54	1,293.58	-5,723.78	6,682.71	6,512.55	170.16	39.274		
4,500.00	4,413.83	4,443.83	4,443.83	22.48	153.42	-177.55	1,293.58	-5,723.78	6,703.60	6,529.57	174.03	38.521		
4,600.00	4,511.62	4,541.62	4,541.62	22.99	156.84	-177.56	1,293.58	-5,723.78	6,724.49	6,546.59	177.90	37.800		
4,700.00	4,609.41	4,639.41	4,639.41	23.50	160.25	-177.57	1,293.58	-5,723.78	6,745.39	6,563.62	181.77	37.109		
4,800.00	4,707.20	4,737.20	4,737.20	24.01	163.66	-177.57	1,293.58	-5,723.78	6,766.28	6,580.64	185.64	36.448		
4,900.00	4,804.98	4,834.98	4,834.98	24.52	167.08	-177.58	1,293.58	-5,723.78	6,787.17	6,597.66	189.51	35.813		
5,000.00	4,902.77	4,932.77	4,932.77	25.03	170.49	-177.59	1,293.58	-5,723.78	6,808.06	6,614.68	193.39	35.204		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON #42-10(PR) - 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	5,000.56	5,030.56	5,030.56	25.54	173.90	-177.60	1,293.58	-5,723.78	6,828.96	6,631.70	197.26	34.619		
5,200.00	5,098.35	5,128.35	5,128.35	26.05	177.32	-177.60	1,293.58	-5,723.78	6,849.85	6,648.72	201.13	34.056		
5,300.00	5,196.14	5,226.14	5,226.14	26.56	180.73	-177.61	1,293.58	-5,723.78	6,870.74	6,665.74	205.01	33.515		
5,400.00	5,293.93	5,323.93	5,323.93	27.07	184.14	-177.62	1,293.58	-5,723.78	6,891.64	6,682.76	208.88	32.993		
5,500.00	5,391.72	5,421.72	5,421.72	27.58	187.56	-177.63	1,293.58	-5,723.78	6,912.53	6,699.77	212.76	32.491		
5,600.00	5,489.51	5,519.51	5,519.51	28.09	190.97	-177.63	1,293.58	-5,723.78	6,933.42	6,716.79	216.63	32.006		
5,700.00	5,587.30	5,617.30	5,617.30	28.61	194.38	-177.64	1,293.58	-5,723.78	6,954.32	6,733.81	220.50	31.538		
5,800.00	5,685.09	5,715.09	5,715.09	29.12	197.80	-177.65	1,293.58	-5,723.78	6,975.21	6,750.83	224.38	31.087		
5,900.00	5,782.88	5,812.88	5,812.88	29.63	201.21	-177.65	1,293.58	-5,723.78	6,996.10	6,767.85	228.25	30.651		
6,000.00	5,880.67	5,910.67	5,910.67	30.14	204.62	-177.66	1,293.58	-5,723.78	7,017.00	6,784.87	232.13	30.229		
6,100.00	5,978.46	6,008.46	6,008.46	30.65	208.04	-177.67	1,293.58	-5,723.78	7,037.89	6,801.89	236.00	29.821		
6,200.00	6,076.25	6,106.25	6,106.25	31.17	211.45	-177.68	1,293.58	-5,723.78	7,058.79	6,818.91	239.88	29.427		
6,298.86	6,172.92	6,202.92	6,202.92	31.67	214.82	-177.68	1,293.58	-5,723.78	7,079.44	6,835.73	243.71	29.049		
6,300.00	6,174.03	6,204.03	6,204.03	31.68	214.86	-177.77	1,293.58	-5,723.78	7,079.68	6,835.93	243.75	29.044		
6,350.00	6,223.30	6,253.30	6,253.30	31.92	216.58	175.91	1,293.58	-5,723.78	7,088.16	6,842.46	245.70	28.849		
6,400.00	6,273.06	6,303.06	6,303.06	32.13	218.32	154.42	1,293.58	-5,723.78	7,092.84	6,845.19	247.65	28.641		
6,450.00	6,323.01	6,353.01	6,353.01	32.32	220.06	64.01	1,293.58	-5,723.78	7,093.70	6,844.11	249.59	28.422		
6,500.00	6,372.84	6,402.84	6,402.84	32.48	221.80	31.83	1,293.58	-5,723.78	7,090.72	6,839.23	251.50	28.194		
6,550.00	6,422.24	6,452.24	6,452.24	32.65	223.53	24.24	1,293.58	-5,723.78	7,083.93	6,830.56	253.37	27.959		
6,600.00	6,470.92	6,500.92	6,500.92	32.83	225.23	21.20	1,293.58	-5,723.78	7,073.38	6,818.17	255.21	27.716		
6,650.00	6,518.56	6,548.56	6,548.56	33.01	226.89	19.74	1,293.58	-5,723.78	7,059.12	6,802.13	256.99	27.468		
6,700.00	6,564.89	6,605.11	6,594.89	33.21	228.86	19.06	1,293.58	-5,723.78	7,041.25	6,782.19	259.07	27.179		
6,750.00	6,609.60	6,639.60	6,639.60	33.43	230.07	18.87	1,293.58	-5,723.78	7,019.89	6,759.53	260.36	26.963		
6,800.00	6,652.43	6,682.43	6,682.43	33.66	231.56	19.04	1,293.58	-5,723.78	6,995.15	6,733.23	261.92	26.707		
6,850.00	6,693.10	6,723.10	6,723.10	33.91	232.98	19.52	1,293.58	-5,723.78	6,967.20	6,703.81	263.40	26.452		
6,900.00	6,731.38	6,761.38	6,761.38	34.20	234.32	20.30	1,293.58	-5,723.78	6,936.22	6,671.45	264.77	26.197		
6,950.00	6,767.02	6,802.98	6,797.02	34.51	235.77	21.41	1,293.58	-5,723.78	6,902.39	6,636.14	266.26	25.924		
7,000.00	6,799.81	6,829.81	6,829.81	34.85	236.71	22.91	1,293.58	-5,723.78	6,865.93	6,598.72	267.22	25.694		
7,050.00	6,829.54	6,859.54	6,859.54	35.24	237.74	24.90	1,293.58	-5,723.78	6,827.07	6,558.79	268.27	25.448		
7,100.00	6,856.03	6,886.03	6,886.03	35.66	238.67	27.51	1,293.58	-5,723.78	6,786.04	6,516.83	269.21	25.207		
7,150.00	6,879.11	6,909.11	6,909.11	36.12	239.47	30.98	1,293.58	-5,723.78	6,743.10	6,473.07	270.03	24.972		
7,200.00	6,898.65	6,928.65	6,928.65	36.62	240.16	35.65	1,293.58	-5,723.78	6,698.51	6,427.79	270.72	24.743		
7,250.00	6,914.51	6,944.51	6,944.51	37.15	240.71	42.05	1,293.58	-5,723.78	6,652.56	6,381.28	271.29	24.522		
7,300.00	6,926.62	6,956.62	6,956.62	37.73	241.13	50.92	1,293.58	-5,723.78	6,605.53	6,333.80	271.73	24.309		
7,350.00	6,934.88	6,964.88	6,964.88	38.34	241.42	63.14	1,293.58	-5,723.78	6,557.71	6,285.66	272.05	24.105		
7,400.00	6,939.26	6,969.26	6,969.26	38.97	241.57	78.99	1,293.58	-5,723.78	6,509.39	6,237.15	272.24	23.911		
7,429.12	6,940.00	6,970.00	6,970.00	39.34	241.60	89.38	1,293.58	-5,723.78	6,481.14	6,208.85	272.29	23.802		
7,500.00	6,940.19	6,970.19	6,970.19	40.31	241.61	89.39	1,293.58	-5,723.78	6,412.36	6,139.99	272.37	23.543		
7,600.00	6,940.46	6,970.46	6,970.46	41.80	241.62	89.40	1,293.58	-5,723.78	6,315.41	6,042.90	272.51	23.175		
7,700.00	6,940.72	6,970.72	6,970.72	43.43	241.63	89.41	1,293.58	-5,723.78	6,218.56	5,945.89	272.67	22.806		
7,800.00	6,940.99	6,970.99	6,970.99	45.19	241.63	89.42	1,293.58	-5,723.78	6,121.80	5,848.94	272.86	22.436		
7,900.00	6,941.25	6,971.25	6,971.25	47.05	241.64	89.43	1,293.58	-5,723.78	6,025.15	5,752.08	273.07	22.064		
8,000.00	6,941.52	6,971.52	6,971.52	49.02	241.65	89.44	1,293.58	-5,723.78	5,928.62	5,655.29	273.32	21.691		
8,100.00	6,941.79	6,971.79	6,971.79	51.06	241.66	89.45	1,293.58	-5,723.78	5,832.20	5,558.59	273.60	21.316		
8,200.00	6,942.05	6,972.05	6,972.05	53.18	241.67	89.46	1,293.58	-5,723.78	5,735.90	5,461.98	273.92	20.940		
8,300.00	6,942.32	6,972.32	6,972.32	55.37	241.68	89.47	1,293.58	-5,723.78	5,639.73	5,365.46	274.27	20.563		
8,400.00	6,942.58	6,972.58	6,972.58	57.62	241.69	89.48	1,293.58	-5,723.78	5,543.69	5,269.03	274.66	20.184		
8,500.00	6,942.85	6,972.85	6,972.85	59.92	241.70	89.49	1,293.58	-5,723.78	5,447.80	5,172.70	275.10	19.803		
8,600.00	6,943.12	6,973.12	6,973.12	62.26	241.71	89.50	1,293.58	-5,723.78	5,352.06	5,076.49	275.58	19.421		
8,700.00	6,943.38	6,973.38	6,973.38	64.65	241.72	89.51	1,293.58	-5,723.78	5,256.48	4,980.38	276.10	19.038		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON #42-10(PR) - 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		
8,800.00	6,943.65	6,973.65	6,973.65	67.08	241.73	89.52	1,293.58	-5,723.78	5,161.07	4,884.39	276.68	18.654		
8,900.00	6,943.91	6,973.91	6,973.91	69.53	241.74	89.53	1,293.58	-5,723.78	5,065.83	4,788.52	277.31	18.268		
9,000.00	6,944.18	6,974.18	6,974.18	72.02	241.75	89.54	1,293.58	-5,723.78	4,970.78	4,692.79	277.99	17.881		
9,100.00	6,944.45	6,974.45	6,974.45	74.54	241.76	89.55	1,293.58	-5,723.78	4,875.93	4,597.20	278.73	17.493		
9,200.00	6,944.71	6,974.71	6,974.71	77.07	241.76	89.56	1,293.58	-5,723.78	4,781.28	4,501.75	279.53	17.105		
9,300.00	6,944.98	6,974.98	6,974.98	79.63	241.77	89.57	1,293.58	-5,723.78	4,686.86	4,406.46	280.40	16.715		
9,400.00	6,945.24	6,975.24	6,975.24	82.21	241.78	89.58	1,293.58	-5,723.78	4,592.68	4,311.34	281.33	16.325		
9,500.00	6,945.51	6,975.51	6,975.51	84.81	241.79	89.59	1,293.58	-5,723.78	4,498.74	4,216.40	282.34	15.934		
9,600.00	6,945.78	6,975.78	6,975.78	87.43	241.80	89.60	1,293.58	-5,723.78	4,405.08	4,121.65	283.42	15.542		
9,700.00	6,946.04	6,976.04	6,976.04	90.05	241.81	89.61	1,293.58	-5,723.78	4,311.70	4,027.11	284.59	15.151		
9,800.00	6,946.31	6,976.31	6,976.31	92.70	241.82	89.62	1,293.58	-5,723.78	4,218.62	3,932.79	285.83	14.759		
9,900.00	6,946.57	6,976.57	6,976.57	95.35	241.83	89.63	1,293.58	-5,723.78	4,125.86	3,838.70	287.16	14.368		
10,000.00	6,946.84	6,976.84	6,976.84	98.02	241.84	89.64	1,293.58	-5,723.78	4,033.46	3,744.87	288.59	13.976		
10,100.00	6,947.11	6,977.11	6,977.11	100.70	241.85	89.65	1,293.58	-5,723.78	3,941.42	3,651.31	290.11	13.586		
10,200.00	6,947.37	6,977.37	6,977.37	103.38	241.86	89.66	1,293.58	-5,723.78	3,849.78	3,558.04	291.74	13.196		
10,300.00	6,947.64	6,977.64	6,977.64	106.08	241.87	89.67	1,293.58	-5,723.78	3,758.56	3,465.09	293.47	12.807		
10,400.00	6,947.90	6,977.90	6,977.90	108.78	241.88	89.68	1,293.58	-5,723.78	3,667.81	3,372.49	295.32	12.420		
10,500.00	6,948.17	6,978.17	6,978.17	111.49	241.89	89.69	1,293.58	-5,723.78	3,577.55	3,280.26	297.29	12.034		
10,600.00	6,948.44	6,978.44	6,978.44	114.21	241.89	89.69	1,293.58	-5,723.78	3,487.81	3,188.43	299.39	11.650		
10,700.00	6,948.70	6,978.70	6,978.70	116.94	241.90	89.70	1,293.58	-5,723.78	3,398.66	3,097.04	301.62	11.268		
10,800.00	6,948.97	6,978.97	6,978.97	119.67	241.91	89.71	1,293.58	-5,723.78	3,310.12	3,006.13	303.99	10.889		
10,900.00	6,949.24	6,979.24	6,979.24	122.41	241.92	89.72	1,293.58	-5,723.78	3,222.25	2,915.74	306.51	10.513		
11,000.00	6,949.50	6,979.50	6,979.50	125.15	241.93	89.73	1,293.58	-5,723.78	3,135.11	2,825.92	309.19	10.140		
11,100.00	6,949.77	6,979.77	6,979.77	127.90	241.94	89.74	1,293.58	-5,723.78	3,048.75	2,736.72	312.04	9.770		
11,200.00	6,950.03	6,980.03	6,980.03	130.65	241.95	89.75	1,293.58	-5,723.78	2,963.26	2,648.20	315.06	9.405		
11,300.00	6,950.30	6,980.30	6,980.30	133.41	241.96	89.76	1,293.58	-5,723.78	2,878.70	2,560.43	318.27	9.045		
11,400.00	6,950.57	6,980.57	6,980.57	136.17	241.97	89.77	1,293.58	-5,723.78	2,795.16	2,473.48	321.68	8.689		
11,500.00	6,950.83	6,980.83	6,980.83	138.94	241.98	89.78	1,293.58	-5,723.78	2,712.74	2,387.44	325.29	8.339		
11,600.00	6,951.10	6,981.10	6,981.10	141.71	241.99	89.79	1,293.58	-5,723.78	2,631.53	2,302.41	329.12	7.996		
11,700.00	6,951.36	6,981.36	6,981.36	144.48	242.00	89.80	1,293.58	-5,723.78	2,551.66	2,218.48	333.18	7.658		
11,800.00	6,951.63	6,981.63	6,981.63	147.26	242.01	89.81	1,293.58	-5,723.78	2,473.25	2,135.78	337.47	7.329		
11,900.00	6,951.90	6,981.90	6,981.90	150.03	242.02	89.82	1,293.58	-5,723.78	2,396.45	2,054.44	342.01	7.007		
12,000.00	6,952.16	6,982.16	6,982.16	152.82	242.02	89.83	1,293.58	-5,723.78	2,321.42	1,974.63	346.79	6.694		
12,100.00	6,952.43	6,982.43	6,982.43	155.60	242.03	89.84	1,293.58	-5,723.78	2,248.33	1,896.50	351.83	6.390		
12,200.00	6,952.69	6,982.69	6,982.69	158.39	242.04	89.85	1,293.58	-5,723.78	2,177.39	1,820.26	357.13	6.097		
12,300.00	6,952.96	6,982.96	6,982.96	161.18	242.05	89.86	1,293.58	-5,723.78	2,108.80	1,746.13	362.67	5.815		
12,400.00	6,953.23	6,983.23	6,983.23	163.97	242.06	89.87	1,293.58	-5,723.78	2,042.80	1,674.35	368.45	5.544		
12,500.00	6,953.49	6,983.49	6,983.49	166.77	242.07	89.88	1,293.58	-5,723.78	1,979.66	1,605.20	374.46	5.287		
12,600.00	6,953.76	6,983.76	6,983.76	169.56	242.08	89.89	1,293.58	-5,723.78	1,919.65	1,538.99	380.66	5.043		
12,700.00	6,954.02	6,984.02	6,984.02	172.36	242.09	89.90	1,293.58	-5,723.78	1,863.08	1,476.05	387.03	4.814		
12,800.00	6,954.29	6,984.29	6,984.29	175.16	242.10	89.91	1,293.58	-5,723.78	1,810.27	1,416.77	393.50	4.600		
12,900.00	6,954.56	6,984.56	6,984.56	177.97	242.11	89.92	1,293.58	-5,723.78	1,761.56	1,361.54	400.02	4.404		
13,000.00	6,954.82	6,984.82	6,984.82	180.77	242.12	89.93	1,293.58	-5,723.78	1,717.29	1,310.78	406.51	4.224		
13,100.00	6,955.09	6,985.09	6,985.09	183.58	242.13	89.94	1,293.58	-5,723.78	1,677.83	1,264.94	412.89	4.064		
13,200.00	6,955.35	6,985.35	6,985.35	186.38	242.14	89.95	1,293.58	-5,723.78	1,643.51	1,224.47	419.04	3.922		
13,300.00	6,955.62	6,985.62	6,985.62	189.19	242.15	89.96	1,293.58	-5,723.78	1,614.66	1,189.80	424.85	3.801		
13,400.00	6,955.89	6,985.89	6,985.89	192.00	242.15	89.97	1,293.58	-5,723.78	1,591.58	1,161.36	430.22	3.699		
13,500.00	6,956.15	6,986.15	6,986.15	194.82	242.16	89.98	1,293.58	-5,723.78	1,574.53	1,139.49	435.03	3.619		
13,600.00	6,956.42	6,986.42	6,986.42	197.63	242.17	89.99	1,293.58	-5,723.78	1,563.69	1,124.51	439.19	3.560		
13,700.00	6,956.68	6,986.68	6,986.68	200.44	242.18	90.00	1,293.58	-5,723.78	1,559.21	1,116.61	442.60	3.523		
13,719.96	6,956.74	6,986.74	6,986.74	201.01	242.18	90.00	1,293.58	-5,723.78	1,559.09	1,115.90	443.19	3.518 CC, 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON #42-10(PR) - 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		
13,800.00	6,956.95	6,986.95	6,986.95	203.26	242.19	90.01	1,293.58	-5,723.78	1,561.14	1,115.92	445.22	3.506 SF		
13,900.00	6,957.22	6,987.22	6,987.22	206.08	242.20	90.02	1,293.58	-5,723.78	1,569.45	1,122.43	447.02	3.511		
14,000.00	6,957.48	6,987.48	6,987.48	208.89	242.21	90.03	1,293.58	-5,723.78	1,584.04	1,136.03	448.00	3.536		
14,100.00	6,957.75	6,987.75	6,987.75	211.71	242.22	90.04	1,293.58	-5,723.78	1,604.74	1,156.53	448.20	3.580		
14,200.00	6,958.02	6,988.02	6,988.02	214.53	242.23	90.05	1,293.58	-5,723.78	1,631.31	1,183.64	447.67	3.644		
14,300.00	6,958.28	6,988.28	6,988.28	217.36	242.24	90.06	1,293.58	-5,723.78	1,663.49	1,217.00	446.49	3.726		
14,400.00	6,958.55	6,988.55	6,988.55	220.18	242.25	90.07	1,293.58	-5,723.78	1,700.94	1,256.20	444.74	3.825		
14,500.00	6,958.81	6,988.81	6,988.81	223.00	242.26	90.08	1,293.58	-5,723.78	1,743.33	1,300.82	442.51	3.940		
14,600.00	6,959.08	6,989.08	6,989.08	225.83	242.27	90.09	1,293.58	-5,723.78	1,790.31	1,350.41	439.90	4.070		
14,700.00	6,959.35	6,989.35	6,989.35	228.65	242.28	90.10	1,293.58	-5,723.78	1,841.53	1,404.54	436.98	4.214		
14,800.00	6,959.61	6,989.61	6,989.61	231.48	242.28	90.11	1,293.58	-5,723.78	1,896.64	1,462.79	433.85	4.372		
14,900.00	6,959.88	6,989.88	6,989.88	234.30	242.29	90.12	1,293.58	-5,723.78	1,955.31	1,524.75	430.56	4.541		
15,000.00	6,960.14	7,009.86	6,990.14	237.13	242.99	90.13	1,293.58	-5,723.78	2,017.23	1,589.37	427.87	4.715		
15,100.00	6,960.41	7,009.59	6,990.41	239.96	242.98	90.13	1,293.58	-5,723.78	2,082.12	1,657.70	424.43	4.906		
15,200.00	6,960.68	7,009.32	6,990.68	242.79	242.97	90.14	1,293.58	-5,723.78	2,149.71	1,728.73	420.98	5.106		
15,300.00	6,960.94	7,009.06	6,990.94	245.62	242.96	90.15	1,293.58	-5,723.78	2,219.74	1,802.18	417.56	5.316		
15,400.00	6,961.21	7,008.79	6,991.21	248.45	242.95	90.16	1,293.58	-5,723.78	2,292.00	1,877.81	414.19	5.534		
15,500.00	6,961.47	7,008.53	6,991.47	251.28	242.94	90.17	1,293.58	-5,723.78	2,366.28	1,955.38	410.90	5.759		
15,600.00	6,961.74	7,008.26	6,991.74	254.11	242.94	90.18	1,293.58	-5,723.78	2,442.39	2,034.70	407.69	5.991		
15,700.00	6,962.01	7,007.99	6,992.01	256.94	242.93	90.19	1,293.58	-5,723.78	2,520.17	2,115.60	404.57	6.229		
15,800.00	6,962.27	7,007.73	6,992.27	259.77	242.92	90.20	1,293.58	-5,723.78	2,599.48	2,197.92	401.56	6.473		
15,900.00	6,962.54	7,007.46	6,992.54	262.61	242.91	90.21	1,293.58	-5,723.78	2,680.16	2,281.51	398.65	6.723		
16,000.00	6,962.80	7,007.20	6,992.80	265.44	242.90	90.22	1,293.58	-5,723.78	2,762.12	2,366.26	395.85	6.978		
16,100.00	6,963.07	7,006.93	6,993.07	268.28	242.89	90.23	1,293.58	-5,723.78	2,845.22	2,452.06	393.16	7.237		
16,200.00	6,963.34	7,006.66	6,993.34	271.11	242.88	90.24	1,293.58	-5,723.78	2,929.39	2,538.81	390.58	7.500		
16,300.00	6,963.60	7,006.40	6,993.60	273.95	242.87	90.25	1,293.58	-5,723.78	3,014.51	2,626.42	388.10	7.767		
16,400.00	6,963.87	7,006.13	6,993.87	276.78	242.86	90.26	1,293.58	-5,723.78	3,100.53	2,714.82	385.72	8.038		
16,500.00	6,964.13	7,005.87	6,994.13	279.62	242.85	90.27	1,293.58	-5,723.78	3,187.37	2,803.93	383.44	8.313		
16,600.00	6,964.40	7,005.60	6,994.40	282.46	242.84	90.28	1,293.58	-5,723.78	3,274.95	2,893.70	381.25	8.590		
16,700.00	6,964.67	7,005.33	6,994.67	285.29	242.83	90.29	1,293.58	-5,723.78	3,363.23	2,984.07	379.16	8.870		
16,800.00	6,964.93	7,005.07	6,994.93	288.13	242.82	90.30	1,293.58	-5,723.78	3,452.15	3,075.00	377.15	9.153		
16,900.00	6,965.20	7,004.80	6,995.20	290.97	242.81	90.31	1,293.58	-5,723.78	3,541.66	3,166.43	375.23	9.439		
17,000.00	6,965.46	7,004.54	6,995.46	293.81	242.81	90.32	1,293.58	-5,723.78	3,631.71	3,258.33	373.38	9.726		
17,100.00	6,965.73	7,004.27	6,995.73	296.65	242.80	90.33	1,293.58	-5,723.78	3,722.27	3,350.66	371.62	10.016		
17,200.00	6,966.00	7,004.00	6,996.00	299.49	242.79	90.34	1,293.58	-5,723.78	3,813.31	3,443.38	369.93	10.308		
17,300.00	6,966.26	7,003.74	6,996.26	302.32	242.78	90.35	1,293.58	-5,723.78	3,904.78	3,536.48	368.30	10.602		
17,400.00	6,966.53	7,003.47	6,996.53	305.16	242.77	90.36	1,293.58	-5,723.78	3,996.67	3,629.92	366.75	10.898		
17,500.00	6,966.80	7,003.21	6,996.80	308.00	242.76	90.37	1,293.58	-5,723.78	4,088.93	3,723.68	365.25	11.195		
17,600.00	6,967.06	7,002.94	6,997.06	310.85	242.75	90.38	1,293.58	-5,723.78	4,181.55	3,817.73	363.82	11.493		
17,700.00	6,967.33	7,002.67	6,997.33	313.69	242.74	90.39	1,293.58	-5,723.78	4,274.50	3,912.06	362.44	11.794		
17,800.00	6,967.59	7,002.41	6,997.59	316.53	242.73	90.40	1,293.58	-5,723.78	4,367.76	4,006.64	361.12	12.095		
17,900.00	6,967.86	7,002.14	6,997.86	319.37	242.72	90.41	1,293.58	-5,723.78	4,461.32	4,101.47	359.85	12.398		
18,000.00	6,968.13	7,001.87	6,998.13	322.21	242.71	90.42	1,293.58	-5,723.78	4,555.15	4,196.52	358.63	12.702		
18,100.00	6,968.39	7,001.61	6,998.39	325.05	242.70	90.43	1,293.58	-5,723.78	4,649.23	4,291.78	357.45	13.007		
18,200.00	6,968.66	7,001.34	6,998.66	327.90	242.69	90.44	1,293.58	-5,723.78	4,743.56	4,387.24	356.32	13.313		
18,300.00	6,968.92	7,001.08	6,998.92	330.74	242.68	90.45	1,293.58	-5,723.78	4,838.11	4,482.88	355.23	13.620		
18,400.00	6,969.19	7,000.81	6,999.19	333.58	242.68	90.46	1,293.58	-5,723.78	4,932.88	4,578.70	354.19	13.927		
18,500.00	6,969.46	7,000.54	6,999.46	336.43	242.67	90.47	1,293.58	-5,723.78	5,027.86	4,674.68	353.18	14.236		
18,600.00	6,969.72	7,000.28	6,999.72	339.27	242.66	90.48	1,293.58	-5,723.78	5,123.02	4,770.82	352.21	14.546		
18,704.56	6,970.00	7,000.00	7,000.00	342.24	242.65	90.49	1,293.58	-5,723.78	5,222.72	4,871.49	351.23	14.870		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-88.84	88.54	-4,371.68	4,372.58					
100.00	100.00	123.00	123.00	3.28	4.15	-88.84	88.54	-4,371.68	4,372.58	4,365.14	7.44	587.842		
200.00	200.00	223.00	223.00	3.34	6.87	-88.84	88.54	-4,371.68	4,372.58	4,362.37	10.21	428.278		
300.00	299.98	322.98	322.98	3.44	10.08	171.16	88.54	-4,371.68	4,374.30	4,360.78	13.52	323.525		
400.00	399.84	422.84	422.84	3.60	13.42	171.15	88.54	-4,371.68	4,379.47	4,362.45	17.02	257.291		
500.00	499.45	522.45	522.45	3.80	16.82	171.14	88.54	-4,371.68	4,388.08	4,367.46	20.62	212.815		
600.00	598.70	621.70	621.70	4.05	20.23	171.13	88.54	-4,371.68	4,400.13	4,375.85	24.27	181.266		
700.00	697.47	720.47	720.47	4.33	23.63	171.11	88.54	-4,371.68	4,415.59	4,387.62	27.96	157.899		
803.50	799.05	822.05	822.05	4.67	27.15	171.09	88.54	-4,371.68	4,435.17	4,403.36	31.80	139.452		
900.00	893.41	916.41	916.41	5.02	30.42	171.13	88.54	-4,371.68	4,455.11	4,419.72	35.40	125.858		
1,000.00	991.20	1,014.20	1,014.20	5.41	33.82	171.17	88.54	-4,371.68	4,475.79	4,436.65	39.14	114.351		
1,100.00	1,088.99	1,111.99	1,111.99	5.81	37.22	171.21	88.54	-4,371.68	4,496.46	4,453.56	42.90	104.802		
1,200.00	1,186.78	1,209.78	1,209.78	6.23	40.62	171.25	88.54	-4,371.68	4,517.14	4,470.45	46.68	96.758		
1,300.00	1,284.57	1,307.57	1,307.57	6.67	44.02	171.30	88.54	-4,371.68	4,537.82	4,487.34	50.48	89.896		
1,400.00	1,382.36	1,405.36	1,405.36	7.12	47.43	171.33	88.54	-4,371.68	4,558.50	4,504.21	54.28	83.975		
1,500.00	1,480.15	1,503.15	1,503.15	7.57	50.84	171.37	88.54	-4,371.68	4,579.18	4,521.08	58.10	78.818		
1,600.00	1,577.94	1,600.94	1,600.94	8.03	54.24	171.41	88.54	-4,371.68	4,599.87	4,537.95	61.92	74.287		
1,700.00	1,675.73	1,701.27	1,698.73	8.50	57.74	171.45	88.54	-4,371.68	4,620.55	4,554.72	65.84	70.181		
1,800.00	1,773.52	1,803.48	1,796.52	8.98	61.30	171.49	88.54	-4,371.68	4,641.24	4,571.42	69.83	66.469		
1,900.00	1,871.31	1,905.69	1,894.31	9.45	64.87	171.53	88.54	-4,371.68	4,661.93	4,588.12	73.82	63.154		
2,000.00	1,969.10	2,007.91	1,992.10	9.94	68.43	171.57	88.54	-4,371.68	4,682.63	4,604.81	77.82	60.175		
2,100.00	2,066.88	2,089.88	2,089.88	10.42	71.29	171.60	88.54	-4,371.68	4,703.32	4,622.21	81.11	57.986		
2,200.00	2,164.67	2,187.67	2,187.67	10.91	74.70	171.64	88.54	-4,371.68	4,724.02	4,639.06	84.96	55.602		
2,300.00	2,262.46	2,285.46	2,285.46	11.40	78.11	171.68	88.54	-4,371.68	4,744.72	4,655.91	88.81	53.423		
2,400.00	2,360.25	2,383.25	2,383.25	11.89	81.52	171.71	88.54	-4,371.68	4,765.42	4,672.75	92.67	51.425		
2,500.00	2,458.04	2,481.04	2,481.04	12.39	84.93	171.75	88.54	-4,371.68	4,786.12	4,689.60	96.52	49.584		
2,600.00	2,555.83	2,578.83	2,578.83	12.88	88.34	171.79	88.54	-4,371.68	4,806.83	4,706.44	100.38	47.885		
2,700.00	2,653.62	2,676.62	2,676.62	13.38	91.75	171.82	88.54	-4,371.68	4,827.53	4,723.29	104.24	46.310		
2,800.00	2,751.41	2,774.41	2,774.41	13.88	95.17	171.86	88.54	-4,371.68	4,848.24	4,740.14	108.11	44.847		
2,900.00	2,849.20	2,872.20	2,872.20	14.38	98.58	171.89	88.54	-4,371.68	4,868.95	4,756.98	111.97	43.485		
3,000.00	2,946.99	2,969.99	2,969.99	14.88	101.99	171.93	88.54	-4,371.68	4,889.66	4,773.83	115.83	42.213		
3,100.00	3,044.78	3,067.78	3,067.78	15.38	105.40	171.96	88.54	-4,371.68	4,910.38	4,790.68	119.70	41.023		
3,200.00	3,142.57	3,165.57	3,165.57	15.89	108.81	171.99	88.54	-4,371.68	4,931.09	4,807.53	123.56	39.907		
3,300.00	3,240.36	3,263.36	3,263.36	16.39	112.23	172.03	88.54	-4,371.68	4,951.81	4,824.38	127.43	38.859		
3,400.00	3,338.15	3,361.15	3,361.15	16.89	115.64	172.06	88.54	-4,371.68	4,972.53	4,841.23	131.30	37.872		
3,500.00	3,435.93	3,458.93	3,458.93	17.40	119.05	172.09	88.54	-4,371.68	4,993.24	4,858.08	135.17	36.941		
3,600.00	3,533.72	3,556.72	3,556.72	17.90	122.46	172.13	88.54	-4,371.68	5,013.97	4,874.93	139.04	36.062		
3,700.00	3,631.51	3,654.51	3,654.51	18.41	125.88	172.16	88.54	-4,371.68	5,034.69	4,891.78	142.91	35.231		
3,800.00	3,729.30	3,752.30	3,752.30	18.92	129.29	172.19	88.54	-4,371.68	5,055.41	4,908.64	146.78	34.443		
3,900.00	3,827.09	3,850.09	3,850.09	19.42	132.70	172.22	88.54	-4,371.68	5,076.14	4,925.49	150.65	33.695		
4,000.00	3,924.88	3,947.88	3,947.88	19.93	136.11	172.26	88.54	-4,371.68	5,096.87	4,942.35	154.52	32.985		
4,100.00	4,022.67	4,045.67	4,045.67	20.44	139.53	172.29	88.54	-4,371.68	5,117.60	4,959.20	158.39	32.310		
4,200.00	4,120.46	4,143.46	4,143.46	20.95	142.94	172.32	88.54	-4,371.68	5,138.33	4,976.06	162.26	31.666		
4,300.00	4,218.25	4,241.25	4,241.25	21.46	146.35	172.35	88.54	-4,371.68	5,159.06	4,992.92	166.14	31.053		
4,400.00	4,316.04	4,339.04	4,339.04	21.97	149.77	172.38	88.54	-4,371.68	5,179.79	5,009.78	170.01	30.468		
4,500.00	4,413.83	4,436.83	4,436.83	22.48	153.18	172.41	88.54	-4,371.68	5,200.53	5,026.64	173.88	29.908		
4,600.00	4,511.62	4,534.62	4,534.62	22.99	156.59	172.44	88.54	-4,371.68	5,221.26	5,043.50	177.76	29.373		
4,700.00	4,609.41	4,632.41	4,632.41	23.50	160.01	172.47	88.54	-4,371.68	5,242.00	5,060.37	181.63	28.861		
4,800.00	4,707.20	4,730.20	4,730.20	24.01	163.42	172.50	88.54	-4,371.68	5,262.74	5,077.23	185.51	28.370		
4,900.00	4,804.98	4,827.98	4,827.98	24.52	166.83	172.53	88.54	-4,371.68	5,283.48	5,094.10	189.38	27.899		
5,000.00	4,902.77	4,925.77	4,925.77	25.03	170.25	172.56	88.54	-4,371.68	5,304.22	5,110.96	193.26	27.447		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - ANDERSON/JANUARY #1(PR) - 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	5,000.56	5,023.56	5,023.56	25.54	173.66	172.59	88.54	-4,371.68	5,324.96	5,127.83	197.13	27.012					
5,200.00	5,098.35	5,121.35	5,121.35	26.05	177.07	172.62	88.54	-4,371.68	5,345.71	5,144.70	201.01	26.595					
5,300.00	5,196.14	5,219.14	5,219.14	26.56	180.48	172.65	88.54	-4,371.68	5,366.45	5,161.57	204.88	26.193					
5,400.00	5,293.93	5,316.93	5,316.93	27.07	183.90	172.67	88.54	-4,371.68	5,387.20	5,178.44	208.76	25.806					
5,500.00	5,391.72	5,414.72	5,414.72	27.58	187.31	172.70	88.54	-4,371.68	5,407.95	5,195.31	212.63	25.433					
5,600.00	5,489.51	5,512.51	5,512.51	28.09	190.72	172.73	88.54	-4,371.68	5,428.70	5,212.19	216.51	25.074					
5,700.00	5,587.30	5,610.30	5,610.30	28.61	194.14	172.76	88.54	-4,371.68	5,449.45	5,229.06	220.39	24.727					
5,800.00	5,685.09	5,708.09	5,708.09	29.12	197.55	172.79	88.54	-4,371.68	5,470.20	5,245.94	224.26	24.392					
5,900.00	5,782.88	5,805.88	5,805.88	29.63	200.96	172.81	88.54	-4,371.68	5,490.95	5,262.81	228.14	24.068					
6,000.00	5,880.67	5,903.67	5,903.67	30.14	204.38	172.84	88.54	-4,371.68	5,511.71	5,279.69	232.02	23.756					
6,100.00	5,978.46	6,001.46	6,001.46	30.65	207.79	172.87	88.54	-4,371.68	5,532.46	5,296.57	235.89	23.453					
6,200.00	6,076.25	6,100.76	6,099.25	31.17	211.26	172.89	88.54	-4,371.68	5,553.22	5,313.39	239.82	23.155					
6,298.86	6,172.92	6,204.08	6,195.92	31.67	214.86	172.92	88.54	-4,371.68	5,573.74	5,329.85	243.89	22.854					
6,300.00	6,174.03	6,202.97	6,197.03	31.68	214.83	172.83	88.54	-4,371.68	5,573.97	5,330.12	243.85	22.858					
6,350.00	6,223.30	6,246.30	6,246.30	31.92	216.34	166.66	88.54	-4,371.68	5,582.34	5,336.75	245.59	22.730					
6,400.00	6,273.06	6,303.94	6,296.06	32.13	218.35	145.25	88.54	-4,371.68	5,586.82	5,339.00	247.82	22.544					
6,450.00	6,323.01	6,346.01	6,346.01	32.32	219.82	54.85	88.54	-4,371.68	5,587.38	5,337.90	249.48	22.396					
6,500.00	6,372.84	6,404.16	6,395.84	32.48	221.85	22.64	88.54	-4,371.68	5,584.03	5,332.35	251.68	22.187					
6,550.00	6,422.24	6,445.24	6,445.24	32.65	223.28	14.95	88.54	-4,371.68	5,576.79	5,323.52	253.26	22.020					
6,600.00	6,470.92	6,506.08	6,493.92	32.83	225.41	11.74	88.54	-4,371.68	5,565.69	5,310.17	255.52	21.782					
6,650.00	6,518.56	6,541.56	6,541.56	33.01	226.64	10.05	88.54	-4,371.68	5,550.81	5,293.94	256.87	21.609					
6,700.00	6,564.89	6,587.89	6,587.89	33.21	228.26	9.07	88.54	-4,371.68	5,532.25	5,273.66	258.59	21.394					
6,750.00	6,609.60	6,632.60	6,632.60	33.43	229.82	8.49	88.54	-4,371.68	5,510.10	5,249.88	260.23	21.174					
6,800.00	6,652.43	6,675.43	6,675.43	33.66	231.32	8.16	88.54	-4,371.68	5,484.52	5,222.74	261.79	20.950					
6,850.00	6,693.10	6,716.10	6,716.10	33.91	232.74	8.04	88.54	-4,371.68	5,455.66	5,192.41	263.25	20.724					
6,900.00	6,731.38	6,754.38	6,754.38	34.20	234.07	8.07	88.54	-4,371.68	5,423.70	5,159.08	264.62	20.496					
6,950.00	6,767.02	6,809.98	6,790.02	34.51	236.01	8.26	88.54	-4,371.68	5,388.84	5,122.25	266.58	20.214					
7,000.00	6,799.81	6,822.81	6,822.81	34.85	236.46	8.62	88.54	-4,371.68	5,351.28	5,084.24	267.04	20.039					
7,050.00	6,829.54	6,852.54	6,852.54	35.24	237.50	9.18	88.54	-4,371.68	5,311.27	5,043.19	268.08	19.812					
7,100.00	6,856.03	6,879.03	6,879.03	35.66	238.42	10.00	88.54	-4,371.68	5,269.04	5,000.04	269.00	19.588					
7,150.00	6,879.11	6,902.11	6,902.11	36.12	239.23	11.19	88.54	-4,371.68	5,224.86	4,955.08	269.79	19.366					
7,200.00	6,898.65	6,921.65	6,921.65	36.62	239.91	12.96	88.54	-4,371.68	5,179.01	4,908.56	270.45	19.149					
7,250.00	6,914.51	6,937.51	6,937.51	37.15	240.47	15.75	88.54	-4,371.68	5,131.76	4,860.77	270.99	18.937					
7,300.00	6,926.62	6,949.62	6,949.62	37.73	240.89	20.58	88.54	-4,371.68	5,083.41	4,812.01	271.40	18.730					
7,350.00	6,934.88	6,957.88	6,957.88	38.34	241.18	30.39	88.54	-4,371.68	5,034.25	4,762.57	271.67	18.530					
7,400.00	6,939.26	6,962.26	6,962.26	38.97	241.33	56.09	88.54	-4,371.68	4,984.59	4,712.76	271.82	18.338					
7,429.12	6,940.00	6,963.00	6,963.00	39.34	241.36	87.84	88.54	-4,371.68	4,955.55	4,683.70	271.85	18.229					
7,500.00	6,940.19	6,963.19	6,963.19	40.31	241.36	87.87	88.54	-4,371.68	4,884.85	4,612.99	271.86	17.968					
7,600.00	6,940.46	6,963.46	6,963.46	41.80	241.37	87.92	88.54	-4,371.68	4,785.11	4,513.24	271.87	17.601					
7,700.00	6,940.72	6,963.72	6,963.72	43.43	241.38	87.96	88.54	-4,371.68	4,685.38	4,413.49	271.89	17.232					
7,800.00	6,940.99	6,963.99	6,963.99	45.19	241.39	88.00	88.54	-4,371.68	4,585.67	4,313.75	271.92	16.864					
7,900.00	6,941.25	6,964.25	6,964.25	47.05	241.40	88.05	88.54	-4,371.68	4,485.96	4,214.02	271.94	16.496					
8,000.00	6,941.52	6,964.52	6,964.52	49.02	241.41	88.09	88.54	-4,371.68	4,386.27	4,114.30	271.98	16.127					
8,100.00	6,941.79	6,964.79	6,964.79	51.06	241.42	88.13	88.54	-4,371.68	4,286.60	4,014.59	272.01	15.759					
8,200.00	6,942.05	6,965.05	6,965.05	53.18	241.43	88.18	88.54	-4,371.68	4,186.94	3,914.88	272.06	15.390					
8,300.00	6,942.32	6,965.32	6,965.32	55.37	241.44	88.22	88.54	-4,371.68	4,087.30	3,815.19	272.10	15.021					
8,400.00	6,942.58	6,965.58	6,965.58	57.62	241.45	88.27	88.54	-4,371.68	3,987.67	3,715.51	272.16	14.652					
8,500.00	6,942.85	6,965.85	6,965.85	59.92	241.46	88.31	88.54	-4,371.68	3,888.06	3,615.85	272.22	14.283					
8,600.00	6,943.12	6,966.12	6,966.12	62.26	241.46	88.35	88.54	-4,371.68	3,788.48	3,516.19	272.29	13.913					
8,700.00	6,943.38	6,966.38	6,966.38	64.65	241.47	88.40	88.54	-4,371.68	3,688.92	3,416.55	272.37	13.544					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,966.65	6,966.65	67.08	241.48	88.44	88.54	-4,371.68	3,589.38	3,316.92	272.45	13.174		
8,900.00	6,943.91	6,966.91	6,966.91	69.53	241.49	88.48	88.54	-4,371.68	3,489.87	3,217.31	272.55	12.804		
9,000.00	6,944.18	6,967.18	6,967.18	72.02	241.50	88.53	88.54	-4,371.68	3,390.38	3,117.72	272.66	12.434		
9,100.00	6,944.45	6,967.45	6,967.45	74.54	241.51	88.57	88.54	-4,371.68	3,290.93	3,018.14	272.79	12.064		
9,200.00	6,944.71	6,967.71	6,967.71	77.07	241.52	88.61	88.54	-4,371.68	3,191.51	2,918.58	272.93	11.693		
9,300.00	6,944.98	6,967.98	6,967.98	79.63	241.53	88.66	88.54	-4,371.68	3,092.13	2,819.04	273.09	11.323		
9,400.00	6,945.24	6,968.24	6,968.24	82.21	241.54	88.70	88.54	-4,371.68	2,992.79	2,719.52	273.27	10.952		
9,500.00	6,945.51	6,968.51	6,968.51	84.81	241.55	88.75	88.54	-4,371.68	2,893.50	2,620.03	273.47	10.581		
9,600.00	6,945.78	6,968.78	6,968.78	87.43	241.56	88.79	88.54	-4,371.68	2,794.25	2,520.56	273.70	10.209		
9,700.00	6,946.04	6,969.04	6,969.04	90.05	241.57	88.83	88.54	-4,371.68	2,695.07	2,421.11	273.95	9.838		
9,800.00	6,946.31	6,969.31	6,969.31	92.70	241.58	88.88	88.54	-4,371.68	2,595.94	2,321.69	274.25	9.466		
9,900.00	6,946.57	6,969.57	6,969.57	95.35	241.59	88.92	88.54	-4,371.68	2,496.88	2,222.30	274.58	9.093		
10,000.00	6,946.84	6,969.84	6,969.84	98.02	241.59	88.96	88.54	-4,371.68	2,397.91	2,122.94	274.96	8.721		
10,100.00	6,947.11	6,970.11	6,970.11	100.70	241.60	89.01	88.54	-4,371.68	2,299.02	2,023.62	275.40	8.348		
10,200.00	6,947.37	6,970.37	6,970.37	103.38	241.61	89.05	88.54	-4,371.68	2,200.23	1,924.33	275.90	7.975		
10,300.00	6,947.64	6,970.64	6,970.64	106.08	241.62	89.09	88.54	-4,371.68	2,101.56	1,825.08	276.48	7.601		
10,400.00	6,947.90	6,970.90	6,970.90	108.78	241.63	89.14	88.54	-4,371.68	2,003.01	1,725.87	277.15	7.227		
10,500.00	6,948.17	6,971.17	6,971.17	111.49	241.64	89.18	88.54	-4,371.68	1,904.62	1,626.70	277.92	6.853		
10,600.00	6,948.44	6,971.44	6,971.44	114.21	241.65	89.23	88.54	-4,371.68	1,806.41	1,527.58	278.83	6.479		
10,700.00	6,948.70	6,971.70	6,971.70	116.94	241.66	89.27	88.54	-4,371.68	1,708.40	1,428.52	279.89	6.104		
10,800.00	6,948.97	6,971.97	6,971.97	119.67	241.67	89.31	88.54	-4,371.68	1,610.64	1,329.51	281.13	5.729		
10,900.00	6,949.24	6,972.24	6,972.24	122.41	241.68	89.36	88.54	-4,371.68	1,513.17	1,230.56	282.61	5.354		
11,000.00	6,949.50	6,972.50	6,972.50	125.15	241.69	89.40	88.54	-4,371.68	1,416.06	1,131.69	284.36	4.980		
11,100.00	6,949.77	6,972.77	6,972.77	127.90	241.70	89.44	88.54	-4,371.68	1,319.37	1,032.91	286.46	4.606		
11,200.00	6,950.03	6,973.03	6,973.03	130.65	241.71	89.49	88.54	-4,371.68	1,223.22	934.23	288.99	4.233		
11,300.00	6,950.30	6,973.30	6,973.30	133.41	241.72	89.53	88.54	-4,371.68	1,127.74	835.68	292.06	3.861		
11,400.00	6,950.57	6,973.57	6,973.57	136.17	241.72	89.58	88.54	-4,371.68	1,033.11	737.30	295.80	3.493		
11,500.00	6,950.83	6,973.83	6,973.83	138.94	241.73	89.62	88.54	-4,371.68	939.59	639.17	300.42	3.128		
11,600.00	6,951.10	6,974.10	6,974.10	141.71	241.74	89.66	88.54	-4,371.68	847.56	541.40	306.16	2.768		
11,700.00	6,951.36	6,974.36	6,974.36	144.48	241.75	89.71	88.54	-4,371.68	757.55	444.19	313.36	2.418		
11,800.00	6,951.63	6,974.63	6,974.63	147.26	241.76	89.75	88.54	-4,371.68	670.38	347.94	322.44	2.079		
11,900.00	6,951.90	6,974.90	6,974.90	150.03	241.77	89.79	88.54	-4,371.68	587.31	253.38	333.93	1.759		
12,000.00	6,952.16	6,975.16	6,975.16	152.82	241.78	89.84	88.54	-4,371.68	510.35	162.05	348.30	1.465 Level 3		
12,100.00	6,952.43	6,975.43	6,975.43	155.60	241.79	89.88	88.54	-4,371.68	442.69	77.13	365.57	1.211 Level 2		
12,200.00	6,952.69	6,975.69	6,975.69	158.39	241.80	89.92	88.54	-4,371.68	389.23	5.04	384.20	1.013 Level 2		
12,300.00	6,952.96	6,975.96	6,975.96	161.18	241.81	89.97	88.54	-4,371.68	356.41	-43.21	399.62	0.892 Level 1		
12,372.39	6,953.15	6,976.15	6,976.15	163.20	241.81	90.00	88.54	-4,371.68	348.98	-56.04	405.01	0.862 Level 1, CC, ES, SF		
12,400.00	6,953.23	6,976.23	6,976.23	163.97	241.82	90.01	88.54	-4,371.68	350.07	-55.28	405.35	0.864 Level 1		
12,500.00	6,953.49	6,976.49	6,976.49	166.77	241.83	90.06	88.54	-4,371.68	371.58	-27.48	399.06	0.931 Level 1		
12,600.00	6,953.76	6,976.76	6,976.76	169.56	241.84	90.10	88.54	-4,371.68	416.65	31.35	385.29	1.081 Level 2		
12,700.00	6,954.02	6,977.02	6,977.02	172.36	241.85	90.14	88.54	-4,371.68	478.66	108.80	369.86	1.294 Level 3		
12,800.00	6,954.29	6,977.29	6,977.29	175.16	241.85	90.19	88.54	-4,371.68	551.94	196.08	355.86	1.551		
12,900.00	6,954.56	6,977.56	6,977.56	177.97	241.86	90.23	88.54	-4,371.68	632.58	288.41	344.17	1.838		
13,000.00	6,954.82	6,977.82	6,977.82	180.77	241.87	90.27	88.54	-4,371.68	718.11	383.44	334.67	2.146		
13,100.00	6,955.09	6,978.09	6,978.09	183.58	241.88	90.32	88.54	-4,371.68	806.97	479.99	326.99	2.468		
13,200.00	6,955.35	6,978.35	6,978.35	186.38	241.89	90.36	88.54	-4,371.68	898.18	577.43	320.75	2.800		
13,300.00	6,955.62	6,978.62	6,978.62	189.19	241.90	90.41	88.54	-4,371.68	991.08	675.44	315.64	3.140		
13,400.00	6,955.89	6,978.89	6,978.89	192.00	241.91	90.45	88.54	-4,371.68	1,085.25	773.83	311.42	3.485		
13,500.00	6,956.15	6,979.15	6,979.15	194.82	241.92	90.49	88.54	-4,371.68	1,180.38	872.48	307.90	3.834		
13,600.00	6,956.42	6,979.42	6,979.42	197.63	241.93	90.54	88.54	-4,371.68	1,276.25	971.32	304.93	4.185		
13,700.00	6,956.68	6,979.68	6,979.68	200.44	241.94	90.58	88.54	-4,371.68	1,372.71	1,070.31	302.41	4.539		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,979.95	6,979.95	203.26	241.95	90.62	88.54	-4,371.68	1,469.64	1,169.40	300.25	4.895		
13,900.00	6,957.22	6,980.22	6,980.22	206.08	241.96	90.67	88.54	-4,371.68	1,566.96	1,268.58	298.38	5.252		
14,000.00	6,957.48	6,980.48	6,980.48	208.89	241.97	90.71	88.54	-4,371.68	1,664.60	1,367.83	296.77	5.609		
14,100.00	6,957.75	6,980.75	6,980.75	211.71	241.98	90.75	88.54	-4,371.68	1,762.50	1,467.15	295.36	5.967		
14,200.00	6,958.02	6,981.02	6,981.02	214.53	241.98	90.80	88.54	-4,371.68	1,860.63	1,566.51	294.12	6.326		
14,300.00	6,958.28	6,981.28	6,981.28	217.36	241.99	90.84	88.54	-4,371.68	1,958.94	1,665.91	293.03	6.685		
14,400.00	6,958.55	6,981.55	6,981.55	220.18	242.00	90.89	88.54	-4,371.68	2,057.42	1,765.35	292.07	7.044		
14,500.00	6,958.81	6,981.81	6,981.81	223.00	242.01	90.93	88.54	-4,371.68	2,156.04	1,864.83	291.21	7.404		
14,600.00	6,959.08	6,982.08	6,982.08	225.83	242.02	90.97	88.54	-4,371.68	2,254.78	1,964.33	290.45	7.763		
14,700.00	6,959.35	6,982.35	6,982.35	228.65	242.03	91.02	88.54	-4,371.68	2,353.62	2,063.86	289.76	8.123		
14,800.00	6,959.61	6,982.61	6,982.61	231.48	242.04	91.06	88.54	-4,371.68	2,452.56	2,163.41	289.15	8.482		
14,900.00	6,959.88	6,982.88	6,982.88	234.30	242.05	91.10	88.54	-4,371.68	2,551.58	2,262.98	288.60	8.841		
15,000.00	6,960.14	6,983.14	6,983.14	237.13	242.06	91.15	88.54	-4,371.68	2,650.68	2,362.57	288.11	9.200		
15,100.00	6,960.41	6,983.41	6,983.41	239.96	242.07	91.19	88.54	-4,371.68	2,749.84	2,462.18	287.66	9.559		
15,200.00	6,960.68	6,983.68	6,983.68	242.79	242.08	91.23	88.54	-4,371.68	2,849.06	2,561.80	287.26	9.918		
15,300.00	6,960.94	6,983.94	6,983.94	245.62	242.09	91.28	88.54	-4,371.68	2,948.33	2,661.43	286.90	10.277		
15,400.00	6,961.21	6,984.21	6,984.21	248.45	242.10	91.32	88.54	-4,371.68	3,047.65	2,761.08	286.57	10.635		
15,500.00	6,961.47	6,984.47	6,984.47	251.28	242.11	91.37	88.54	-4,371.68	3,147.01	2,860.74	286.27	10.993		
15,600.00	6,961.74	6,984.74	6,984.74	254.11	242.11	91.41	88.54	-4,371.68	3,246.42	2,960.42	286.00	11.351		
15,700.00	6,962.01	6,985.01	6,985.01	256.94	242.12	91.45	88.54	-4,371.68	3,345.85	3,060.10	285.75	11.709		
15,800.00	6,962.27	6,985.27	6,985.27	259.77	242.13	91.50	88.54	-4,371.68	3,445.32	3,159.79	285.53	12.066		
15,900.00	6,962.54	6,985.54	6,985.54	262.61	242.14	91.54	88.54	-4,371.68	3,544.82	3,259.49	285.33	12.423		
16,000.00	6,962.80	6,985.80	6,985.80	265.44	242.15	91.58	88.54	-4,371.68	3,644.33	3,359.20	285.15	12.780		
16,100.00	6,963.07	6,986.07	6,986.07	268.28	242.16	91.63	88.54	-4,371.68	3,743.90	3,458.91	284.99	13.137		
16,200.00	6,963.34	6,986.34	6,986.34	271.11	242.17	91.67	88.54	-4,371.68	3,843.48	3,558.63	284.84	13.493		
16,300.00	6,963.60	6,986.60	6,986.60	273.95	242.18	91.72	88.54	-4,371.68	3,943.07	3,658.36	284.71	13.849		
16,400.00	6,963.87	6,986.87	6,986.87	276.78	242.19	91.76	88.54	-4,371.68	4,042.69	3,758.10	284.59	14.205		
16,500.00	6,964.13	6,987.13	6,987.13	279.62	242.20	91.80	88.54	-4,371.68	4,142.33	3,857.84	284.49	14.561		
16,600.00	6,964.40	6,987.40	6,987.40	282.46	242.21	91.85	88.54	-4,371.68	4,241.98	3,957.58	284.40	14.916		
16,700.00	6,964.67	6,987.67	6,987.67	285.29	242.22	91.89	88.54	-4,371.68	4,341.65	4,057.34	284.31	15.271		
16,800.00	6,964.93	6,987.93	6,987.93	288.13	242.23	91.93	88.54	-4,371.68	4,441.33	4,157.09	284.24	15.625		
16,900.00	6,965.20	6,988.20	6,988.20	290.97	242.24	91.98	88.54	-4,371.68	4,541.03	4,256.85	284.18	15.980		
17,000.00	6,965.46	6,988.46	6,988.46	293.81	242.24	92.02	88.54	-4,371.68	4,640.74	4,356.62	284.12	16.334		
17,100.00	6,965.73	6,988.73	6,988.73	296.65	242.25	92.06	88.54	-4,371.68	4,740.46	4,456.38	284.08	16.687		
17,200.00	6,966.00	6,989.00	6,989.00	299.49	242.26	92.11	88.54	-4,371.68	4,840.20	4,556.15	284.04	17.041		
17,300.00	6,966.26	6,989.26	6,989.26	302.32	242.27	92.15	88.54	-4,371.68	4,939.94	4,655.93	284.01	17.394		
17,400.00	6,966.53	6,989.53	6,989.53	305.16	242.28	92.20	88.54	-4,371.68	5,039.69	4,755.71	283.99	17.746		
17,500.00	6,966.80	6,989.80	6,989.80	308.00	242.29	92.24	88.54	-4,371.68	5,139.46	4,855.49	283.97	18.099		
17,600.00	6,967.06	6,990.06	6,990.06	310.85	242.29	92.28	88.54	-4,371.68	5,239.23	4,954.58	284.65	18.406		
17,700.00	6,967.33	6,990.33	6,990.33	313.69	242.28	92.33	88.54	-4,371.68	5,339.01	5,054.39	284.63	18.758		
17,800.00	6,967.59	6,990.59	6,990.59	316.53	242.28	92.37	88.54	-4,371.68	5,438.80	5,154.19	284.61	19.110		
17,900.00	6,967.86	6,990.86	6,990.86	319.37	242.27	92.41	88.54	-4,371.68	5,538.60	5,254.01	284.60	19.461		
18,000.00	6,968.13	6,991.13	6,991.13	322.21	242.26	92.46	88.54	-4,371.68	5,638.41	5,353.82	284.59	19.813		
18,100.00	6,968.39	6,991.39	6,991.39	325.05	242.25	92.50	88.54	-4,371.68	5,738.22	5,453.63	284.58	20.164		
18,200.00	6,968.66	6,991.66	6,991.66	327.90	242.24	92.54	88.54	-4,371.68	5,838.03	5,553.45	284.58	20.514		
18,300.00	6,968.92	6,991.92	6,991.92	330.74	242.23	92.59	88.54	-4,371.68	5,937.86	5,653.27	284.59	20.865		
18,400.00	6,969.19	6,992.19	6,992.19	333.58	242.22	92.63	88.54	-4,371.68	6,037.69	5,753.09	284.60	21.215		
18,500.00	6,969.46	6,992.46	6,992.46	336.43	242.21	92.67	88.54	-4,371.68	6,137.52	5,852.91	284.61	21.565		
18,600.00	6,969.72	6,992.72	6,992.72	339.27	242.20	92.72	88.54	-4,371.68	6,237.36	5,952.74	284.63	21.914		
18,704.56	6,970.00	6,993.00	6,993.00	342.24	242.19	92.76	88.54	-4,371.68	6,341.76	6,052.12	284.65	22.279		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	32.00	32.00	3.28	3.33	-92.80	-439.54	-8,977.99	8,988.74					
100.00	100.00	132.00	132.00	3.28	4.35	-92.80	-439.54	-8,977.99	8,988.74	8,981.10	7.64	1,176.814		
200.00	200.00	232.00	232.00	3.34	7.15	-92.80	-439.54	-8,977.99	8,988.74	8,978.25	10.49	857.104		
300.00	299.98	331.98	331.98	3.44	10.38	167.19	-439.54	-8,977.99	8,990.44	8,976.62	13.82	650.618		
400.00	399.84	431.84	431.84	3.60	13.73	167.18	-439.54	-8,977.99	8,995.55	8,978.22	17.33	519.184		
500.00	499.45	531.45	531.45	3.80	17.12	167.15	-439.54	-8,977.99	9,004.04	8,983.12	20.93	430.249		
600.00	598.70	630.70	630.70	4.05	20.54	167.12	-439.54	-8,977.99	9,015.93	8,991.34	24.58	366.728		
700.00	697.47	729.47	729.47	4.33	23.95	167.07	-439.54	-8,977.99	9,031.19	9,002.91	28.28	319.388		
803.50	799.05	831.05	831.05	4.67	27.46	167.01	-439.54	-8,977.99	9,050.51	9,018.39	32.12	281.793		
900.00	893.41	925.41	925.41	5.02	30.74	167.04	-439.54	-8,977.99	9,070.19	9,034.48	35.71	253.974		
1,000.00	991.20	1,023.20	1,023.20	5.41	34.13	167.07	-439.54	-8,977.99	9,090.60	9,051.14	39.46	230.386		
1,100.00	1,088.99	1,120.99	1,120.99	5.81	37.53	167.10	-439.54	-8,977.99	9,111.00	9,067.78	43.22	210.787		
1,200.00	1,186.78	1,218.78	1,218.78	6.23	40.93	167.13	-439.54	-8,977.99	9,131.41	9,084.40	47.01	194.260		
1,300.00	1,284.57	1,316.57	1,316.57	6.67	44.34	167.15	-439.54	-8,977.99	9,151.81	9,101.01	50.80	180.146		
1,400.00	1,382.36	1,414.36	1,414.36	7.12	47.74	167.18	-439.54	-8,977.99	9,172.22	9,117.61	54.61	167.961		
1,500.00	1,480.15	1,512.15	1,512.15	7.57	51.15	167.21	-439.54	-8,977.99	9,192.64	9,134.21	58.43	157.339		
1,600.00	1,577.94	1,609.94	1,609.94	8.03	54.56	167.24	-439.54	-8,977.99	9,213.05	9,150.80	62.25	148.001		
1,700.00	1,675.73	1,707.73	1,707.73	8.50	57.96	167.27	-439.54	-8,977.99	9,233.47	9,167.39	66.08	139.730		
1,800.00	1,773.52	1,805.52	1,805.52	8.98	61.37	167.30	-439.54	-8,977.99	9,253.89	9,183.97	69.92	132.355		
1,900.00	1,871.31	1,903.31	1,903.31	9.45	64.78	167.33	-439.54	-8,977.99	9,274.31	9,200.55	73.76	125.739		
2,000.00	1,969.10	2,001.10	2,001.10	9.94	68.19	167.35	-439.54	-8,977.99	9,294.73	9,217.13	77.60	119.772		
2,100.00	2,066.88	2,101.12	2,098.88	10.42	71.68	167.38	-439.54	-8,977.99	9,315.16	9,233.63	81.53	114.255		
2,200.00	2,164.67	2,203.33	2,196.67	10.91	75.24	167.41	-439.54	-8,977.99	9,335.59	9,250.05	85.54	109.143		
2,300.00	2,262.46	2,305.54	2,294.46	11.40	78.81	167.44	-439.54	-8,977.99	9,356.02	9,266.47	89.54	104.485		
2,400.00	2,360.25	2,407.75	2,392.25	11.89	82.37	167.47	-439.54	-8,977.99	9,376.45	9,282.89	93.56	100.223		
2,500.00	2,458.04	2,509.96	2,490.04	12.39	85.94	167.49	-439.54	-8,977.99	9,396.88	9,299.32	97.57	96.311		
2,600.00	2,555.83	2,587.83	2,587.83	12.88	88.66	167.52	-439.54	-8,977.99	9,417.32	9,316.59	100.73	93.487		
2,700.00	2,653.62	2,685.62	2,685.62	13.38	92.07	167.55	-439.54	-8,977.99	9,437.76	9,333.16	104.60	90.230		
2,800.00	2,751.41	2,783.41	2,783.41	13.88	95.48	167.58	-439.54	-8,977.99	9,458.20	9,349.74	108.46	87.204		
2,900.00	2,849.20	2,881.20	2,881.20	14.38	98.89	167.60	-439.54	-8,977.99	9,478.64	9,366.32	112.33	84.385		
3,000.00	2,946.99	2,978.99	2,978.99	14.88	102.30	167.63	-439.54	-8,977.99	9,499.09	9,382.90	116.19	81.753		
3,100.00	3,044.78	3,076.78	3,076.78	15.38	105.72	167.66	-439.54	-8,977.99	9,519.53	9,399.48	120.06	79.290		
3,200.00	3,142.57	3,174.57	3,174.57	15.89	109.13	167.68	-439.54	-8,977.99	9,539.98	9,416.06	123.93	76.980		
3,300.00	3,240.36	3,272.36	3,272.36	16.39	112.54	167.71	-439.54	-8,977.99	9,560.43	9,432.64	127.80	74.810		
3,400.00	3,338.15	3,370.15	3,370.15	16.89	115.95	167.74	-439.54	-8,977.99	9,580.89	9,449.22	131.67	72.766		
3,500.00	3,435.93	3,467.93	3,467.93	17.40	119.37	167.76	-439.54	-8,977.99	9,601.34	9,465.80	135.54	70.839		
3,600.00	3,533.72	3,565.72	3,565.72	17.90	122.78	167.79	-439.54	-8,977.99	9,621.80	9,482.39	139.41	69.018		
3,700.00	3,631.51	3,663.51	3,663.51	18.41	126.19	167.82	-439.54	-8,977.99	9,642.26	9,498.98	143.28	67.296		
3,800.00	3,729.30	3,761.30	3,761.30	18.92	129.60	167.84	-439.54	-8,977.99	9,662.72	9,515.56	147.15	65.664		
3,900.00	3,827.09	3,859.09	3,859.09	19.42	133.02	167.87	-439.54	-8,977.99	9,683.18	9,532.15	151.03	64.116		
4,000.00	3,924.88	3,956.88	3,956.88	19.93	136.43	167.89	-439.54	-8,977.99	9,703.64	9,548.74	154.90	62.644		
4,100.00	4,022.67	4,054.67	4,054.67	20.44	139.84	167.92	-439.54	-8,977.99	9,724.11	9,565.34	158.77	61.245		
4,200.00	4,120.46	4,152.46	4,152.46	20.95	143.25	167.95	-439.54	-8,977.99	9,744.58	9,581.93	162.65	59.912		
4,300.00	4,218.25	4,250.25	4,250.25	21.46	146.67	167.97	-439.54	-8,977.99	9,765.05	9,598.52	166.52	58.640		
4,400.00	4,316.04	4,348.04	4,348.04	21.97	150.08	168.00	-439.54	-8,977.99	9,785.52	9,615.12	170.40	57.427		
4,500.00	4,413.83	4,445.83	4,445.83	22.48	153.49	168.02	-439.54	-8,977.99	9,805.99	9,631.72	174.28	56.267		
4,600.00	4,511.62	4,543.62	4,543.62	22.99	156.91	168.05	-439.54	-8,977.99	9,826.47	9,648.32	178.15	55.158		
4,700.00	4,609.41	4,641.41	4,641.41	23.50	160.32	168.07	-439.54	-8,977.99	9,846.95	9,664.92	182.03	54.096		
4,800.00	4,707.20	4,739.20	4,739.20	24.01	163.73	168.10	-439.54	-8,977.99	9,867.43	9,681.52	185.90	53.078		
4,900.00	4,804.98	4,836.98	4,836.98	24.52	167.15	168.12	-439.54	-8,977.99	9,887.91	9,698.13	189.78	52.102		
5,000.00	4,902.77	4,934.77	4,934.77	25.03	170.56	168.15	-439.54	-8,977.99	9,908.39	9,714.73	193.66	51.165		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - BLACK GOLD #5(PR) - 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	5,000.56	5,032.56	5,032.56	25.54	173.97	168.17	-439.54	-8,977.99	9,928.88	9,731.34	197.53	50.264					
5,200.00	5,098.35	5,130.35	5,130.35	26.05	177.39	168.20	-439.54	-8,977.99	9,949.36	9,747.95	201.41	49.398					
5,300.00	5,196.14	5,228.14	5,228.14	26.56	180.80	168.22	-439.54	-8,977.99	9,969.85	9,764.56	205.29	48.565					
5,400.00	5,293.93	5,325.93	5,325.93	27.07	184.21	168.25	-439.54	-8,977.99	9,990.34	9,781.17	209.17	47.762					
6,950.00	6,767.02	6,800.98	6,799.02	34.51	235.70	1.56	-439.54	-8,977.99	9,987.62	9,721.23	266.39	37.492					
7,000.00	6,799.81	6,831.81	6,831.81	34.85	236.78	1.24	-439.54	-8,977.99	9,949.89	9,682.41	267.48	37.199					
7,050.00	6,829.54	6,861.54	6,861.54	35.24	237.81	0.91	-439.54	-8,977.99	9,909.71	9,641.19	268.52	36.905					
7,100.00	6,856.03	6,888.03	6,888.03	35.66	238.74	0.56	-439.54	-8,977.99	9,867.32	9,597.88	269.44	36.622					
7,150.00	6,879.11	6,911.11	6,911.11	36.12	239.54	0.14	-439.54	-8,977.99	9,822.98	9,552.75	270.23	36.350					
7,200.00	6,898.65	6,930.65	6,930.65	36.62	240.23	-0.40	-439.54	-8,977.99	9,776.97	9,506.07	270.90	36.091					
7,250.00	6,914.51	6,946.51	6,946.51	37.15	240.78	-1.18	-439.54	-8,977.99	9,729.57	9,458.13	271.44	35.845					
7,300.00	6,926.62	6,958.62	6,958.62	37.73	241.20	-2.52	-439.54	-8,977.99	9,681.07	9,409.22	271.84	35.613					
7,350.00	6,934.88	6,966.88	6,966.88	38.34	241.49	-5.46	-439.54	-8,977.99	9,631.77	9,359.65	272.12	35.395					
7,400.00	6,939.26	6,971.26	6,971.26	38.97	241.64	-17.41	-439.54	-8,977.99	9,581.98	9,309.72	272.26	35.194					
7,429.12	6,940.00	6,972.00	6,972.00	39.34	241.67	-81.07	-439.54	-8,977.99	9,552.87	9,280.58	272.29	35.084					
7,500.00	6,940.19	6,972.19	6,972.19	40.31	241.68	-81.14	-439.54	-8,977.99	9,482.01	9,209.71	272.30	34.822					
7,600.00	6,940.46	6,972.46	6,972.46	41.80	241.69	-81.23	-439.54	-8,977.99	9,382.02	9,109.71	272.31	34.454					
7,700.00	6,940.72	6,972.72	6,972.72	43.43	241.69	-81.32	-439.54	-8,977.99	9,282.04	9,009.72	272.32	34.085					
7,800.00	6,940.99	6,972.99	6,972.99	45.19	241.70	-81.42	-439.54	-8,977.99	9,182.05	8,909.72	272.33	33.717					
7,900.00	6,941.25	6,973.25	6,973.25	47.05	241.71	-81.51	-439.54	-8,977.99	9,082.07	8,809.72	272.34	33.348					
8,000.00	6,941.52	6,973.52	6,973.52	49.02	241.72	-81.60	-439.54	-8,977.99	8,982.08	8,709.72	272.36	32.979					
8,100.00	6,941.79	6,973.79	6,973.79	51.06	241.73	-81.69	-439.54	-8,977.99	8,882.10	8,609.72	272.38	32.610					
8,200.00	6,942.05	6,974.05	6,974.05	53.18	241.74	-81.78	-439.54	-8,977.99	8,782.12	8,509.72	272.39	32.240					
8,300.00	6,942.32	6,974.32	6,974.32	55.37	241.75	-81.88	-439.54	-8,977.99	8,682.14	8,409.72	272.41	31.871					
8,400.00	6,942.58	6,974.58	6,974.58	57.62	241.76	-81.97	-439.54	-8,977.99	8,582.15	8,309.72	272.43	31.502					
8,500.00	6,942.85	6,974.85	6,974.85	59.92	241.77	-82.06	-439.54	-8,977.99	8,482.17	8,209.72	272.46	31.132					
8,600.00	6,943.12	6,975.12	6,975.12	62.26	241.78	-82.15	-439.54	-8,977.99	8,382.19	8,109.71	272.48	30.763					
8,700.00	6,943.38	6,975.38	6,975.38	64.65	241.79	-82.25	-439.54	-8,977.99	8,282.21	8,009.71	272.50	30.393					
8,800.00	6,943.65	6,975.65	6,975.65	67.08	241.80	-82.34	-439.54	-8,977.99	8,182.23	7,909.70	272.53	30.023					
8,900.00	6,943.91	6,975.91	6,975.91	69.53	241.81	-82.43	-439.54	-8,977.99	8,082.25	7,809.69	272.56	29.653					
9,000.00	6,944.18	6,976.18	6,976.18	72.02	241.82	-82.52	-439.54	-8,977.99	7,982.27	7,709.68	272.59	29.283					
9,100.00	6,944.45	6,976.45	6,976.45	74.54	241.82	-82.62	-439.54	-8,977.99	7,882.29	7,609.67	272.62	28.913					
9,200.00	6,944.71	6,976.71	6,976.71	77.07	241.83	-82.71	-439.54	-8,977.99	7,782.31	7,509.66	272.65	28.543					
9,300.00	6,944.98	6,976.98	6,976.98	79.63	241.84	-82.80	-439.54	-8,977.99	7,682.34	7,409.65	272.68	28.173					
9,400.00	6,945.24	6,977.24	6,977.24	82.21	241.85	-82.90	-439.54	-8,977.99	7,582.36	7,309.64	272.72	27.803					
9,500.00	6,945.51	6,977.51	6,977.51	84.81	241.86	-82.99	-439.54	-8,977.99	7,482.38	7,209.63	272.75	27.433					
9,600.00	6,945.78	6,977.78	6,977.78	87.43	241.87	-83.08	-439.54	-8,977.99	7,382.41	7,109.61	272.79	27.062					
9,700.00	6,946.04	6,978.04	6,978.04	90.05	241.88	-83.17	-439.54	-8,977.99	7,282.43	7,009.60	272.83	26.692					
9,800.00	6,946.31	6,978.31	6,978.31	92.70	241.89	-83.27	-439.54	-8,977.99	7,182.46	6,909.58	272.87	26.322					
9,900.00	6,946.57	6,978.57	6,978.57	95.35	241.90	-83.36	-439.54	-8,977.99	7,082.48	6,809.57	272.91	25.951					
10,000.00	6,946.84	6,978.84	6,978.84	98.02	241.91	-83.45	-439.54	-8,977.99	6,982.51	6,709.55	272.96	25.581					
10,100.00	6,947.11	6,979.11	6,979.11	100.70	241.92	-83.55	-439.54	-8,977.99	6,882.54	6,609.53	273.00	25.210					
10,200.00	6,947.37	6,979.37	6,979.37	103.38	241.93	-83.64	-439.54	-8,977.99	6,782.57	6,509.51	273.05	24.840					
10,300.00	6,947.64	6,979.64	6,979.64	106.08	241.94	-83.73	-439.54	-8,977.99	6,682.59	6,409.49	273.10	24.469					
10,400.00	6,947.90	6,979.90	6,979.90	108.78	241.95	-83.82	-439.54	-8,977.99	6,582.62	6,309.47	273.15	24.099					
10,500.00	6,948.17	6,980.17	6,980.17	111.49	241.95	-83.92	-439.54	-8,977.99	6,482.66	6,209.45	273.20	23.728					
10,600.00	6,948.44	6,980.44	6,980.44	114.21	241.96	-84.01	-439.54	-8,977.99	6,382.69	6,109.43	273.26	23.358					
10,700.00	6,948.70	6,980.70	6,980.70	116.94	241.97	-84.10	-439.54	-8,977.99	6,282.72	6,009.40	273.32	22.987					
10,800.00	6,948.97	6,980.97	6,980.97	119.67	241.98	-84.20	-439.54	-8,977.99	6,182.75	5,909.38	273.37	22.616					
10,900.00	6,949.24	6,981.24	6,981.24	122.41	241.99	-84.29	-439.54	-8,977.99	6,082.79	5,809.36	273.43	22.246					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - BLACK GOLD #5(PR) - 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				
11,000.00	6,949.50	6,981.50	6,981.50	125.15	242.00	-84.38	-439.54	-8,977.99	5,982.83	5,709.33	273.50	21.875				
11,100.00	6,949.77	6,981.77	6,981.77	127.90	242.01	-84.48	-439.54	-8,977.99	5,882.86	5,609.30	273.56	21.505				
11,200.00	6,950.03	6,982.03	6,982.03	130.65	242.02	-84.57	-439.54	-8,977.99	5,782.90	5,509.27	273.63	21.134				
11,300.00	6,950.30	6,982.30	6,982.30	133.41	242.03	-84.66	-439.54	-8,977.99	5,682.94	5,409.25	273.70	20.764				
11,400.00	6,950.57	6,982.57	6,982.57	136.17	242.04	-84.76	-439.54	-8,977.99	5,582.98	5,309.22	273.77	20.393				
11,500.00	6,950.83	6,982.83	6,982.83	138.94	242.05	-84.85	-439.54	-8,977.99	5,483.03	5,209.19	273.84	20.023				
11,600.00	6,951.10	6,983.10	6,983.10	141.71	242.06	-84.94	-439.54	-8,977.99	5,383.07	5,109.15	273.92	19.652				
11,700.00	6,951.36	6,983.36	6,983.36	144.48	242.07	-85.04	-439.54	-8,977.99	5,283.12	5,009.12	274.00	19.282				
11,800.00	6,951.63	6,983.63	6,983.63	147.26	242.08	-85.13	-439.54	-8,977.99	5,183.17	4,909.09	274.08	18.911				
11,900.00	6,951.90	6,983.90	6,983.90	150.03	242.09	-85.22	-439.54	-8,977.99	5,083.22	4,809.05	274.16	18.541				
12,000.00	6,952.16	6,984.16	6,984.16	152.82	242.09	-85.32	-439.54	-8,977.99	4,983.27	4,709.02	274.25	18.170				
12,100.00	6,952.43	6,984.43	6,984.43	155.60	242.10	-85.41	-439.54	-8,977.99	4,883.32	4,608.98	274.34	17.800				
12,200.00	6,952.69	6,984.69	6,984.69	158.39	242.11	-85.51	-439.54	-8,977.99	4,783.38	4,508.94	274.44	17.430				
12,300.00	6,952.96	6,984.96	6,984.96	161.18	242.12	-85.60	-439.54	-8,977.99	4,683.44	4,408.90	274.54	17.059				
12,400.00	6,953.23	6,985.23	6,985.23	163.97	242.13	-85.69	-439.54	-8,977.99	4,583.50	4,308.86	274.64	16.689				
12,500.00	6,953.49	6,985.49	6,985.49	166.77	242.14	-85.79	-439.54	-8,977.99	4,483.56	4,208.82	274.75	16.319				
12,600.00	6,953.76	6,985.76	6,985.76	169.56	242.15	-85.88	-439.54	-8,977.99	4,383.63	4,108.77	274.86	15.949				
12,700.00	6,954.02	6,986.02	6,986.02	172.36	242.16	-85.97	-439.54	-8,977.99	4,283.70	4,008.73	274.97	15.579				
12,800.00	6,954.29	6,986.29	6,986.29	175.16	242.17	-86.07	-439.54	-8,977.99	4,183.77	3,908.68	275.09	15.208				
12,900.00	6,954.56	6,986.56	6,986.56	177.97	242.18	-86.16	-439.54	-8,977.99	4,083.85	3,808.63	275.22	14.838				
13,000.00	6,954.82	6,986.82	6,986.82	180.77	242.19	-86.26	-439.54	-8,977.99	3,983.93	3,708.58	275.36	14.468				
13,100.00	6,955.09	6,987.09	6,987.09	183.58	242.20	-86.35	-439.54	-8,977.99	3,884.02	3,608.52	275.50	14.098				
13,200.00	6,955.35	6,987.35	6,987.35	186.38	242.21	-86.44	-439.54	-8,977.99	3,784.11	3,508.46	275.64	13.728				
13,300.00	6,955.62	6,987.62	6,987.62	189.19	242.22	-86.54	-439.54	-8,977.99	3,684.20	3,408.40	275.80	13.358				
13,400.00	6,955.89	6,987.89	6,987.89	192.00	242.22	-86.63	-439.54	-8,977.99	3,584.30	3,308.34	275.96	12.988				
13,500.00	6,956.15	6,988.15	6,988.15	194.82	242.23	-86.72	-439.54	-8,977.99	3,484.41	3,208.27	276.14	12.618				
13,600.00	6,956.42	6,988.42	6,988.42	197.63	242.24	-86.82	-439.54	-8,977.99	3,384.52	3,108.20	276.32	12.248				
13,700.00	6,956.68	6,988.68	6,988.68	200.44	242.25	-86.91	-439.54	-8,977.99	3,284.64	3,008.12	276.52	11.879				
13,800.00	6,956.95	6,988.95	6,988.95	203.26	242.26	-87.01	-439.54	-8,977.99	3,184.76	2,908.03	276.73	11.509				
13,900.00	6,957.22	6,989.22	6,989.22	206.08	242.27	-87.10	-439.54	-8,977.99	3,084.89	2,807.94	276.95	11.139				
14,000.00	6,957.48	6,989.48	6,989.48	208.89	242.28	-87.19	-439.54	-8,977.99	2,985.04	2,707.84	277.20	10.769				
14,100.00	6,957.75	6,989.75	6,989.75	211.71	242.29	-87.29	-439.54	-8,977.99	2,885.19	2,607.73	277.46	10.399				
14,200.00	6,958.02	7,009.99	6,990.02	214.53	243.00	-87.38	-439.54	-8,977.99	2,785.35	2,506.91	278.44	10.003				
14,300.00	6,958.28	7,009.72	6,990.28	217.36	242.99	-87.48	-439.54	-8,977.99	2,685.53	2,406.80	278.73	9.635				
14,400.00	6,958.55	7,009.45	6,990.55	220.18	242.98	-87.57	-439.54	-8,977.99	2,585.72	2,306.67	279.05	9.266				
14,500.00	6,958.81	7,009.19	6,990.81	223.00	242.97	-87.66	-439.54	-8,977.99	2,485.92	2,206.52	279.40	8.897				
14,600.00	6,959.08	7,008.92	6,991.08	225.83	242.96	-87.76	-439.54	-8,977.99	2,386.14	2,106.35	279.79	8.528				
14,700.00	6,959.35	7,008.65	6,991.35	228.65	242.95	-87.85	-439.54	-8,977.99	2,286.38	2,006.16	280.22	8.159				
14,800.00	6,959.61	7,008.39	6,991.61	231.48	242.94	-87.95	-439.54	-8,977.99	2,186.65	1,905.94	280.71	7.790				
14,900.00	6,959.88	7,008.12	6,991.88	234.30	242.93	-88.04	-439.54	-8,977.99	2,086.93	1,805.68	281.25	7.420				
15,000.00	6,960.14	7,007.86	6,992.14	237.13	242.92	-88.13	-439.54	-8,977.99	1,987.25	1,705.38	281.87	7.050				
15,100.00	6,960.41	7,007.59	6,992.41	239.96	242.91	-88.23	-439.54	-8,977.99	1,887.60	1,605.02	282.58	6.680				
15,200.00	6,960.68	7,007.32	6,992.68	242.79	242.90	-88.32	-439.54	-8,977.99	1,787.99	1,504.60	283.38	6.309				
15,300.00	6,960.94	7,007.06	6,992.94	245.62	242.89	-88.42	-439.54	-8,977.99	1,688.42	1,404.11	284.32	5.938				
15,400.00	6,961.21	7,006.79	6,993.21	248.45	242.88	-88.51	-439.54	-8,977.99	1,588.91	1,303.51	285.41	5.567				
15,500.00	6,961.47	7,006.53	6,993.47	251.28	242.87	-88.61	-439.54	-8,977.99	1,489.47	1,202.79	286.68	5.196				
15,600.00	6,961.74	7,006.26	6,993.74	254.11	242.87	-88.70	-439.54	-8,977.99	1,390.10	1,101.91	288.20	4.823				
15,700.00	6,962.01	7,005.99	6,994.01	256.94	242.86	-88.79	-439.54	-8,977.99	1,290.84	1,000.83	290.01	4.451				
15,800.00	6,962.27	7,005.73	6,994.27	259.77	242.85	-88.89	-439.54	-8,977.99	1,191.69	899.49	292.20	4.078				
15,900.00	6,962.54	7,005.46	6,994.54	262.61	242.84	-88.98	-439.54	-8,977.99	1,092.70	797.81	294.89	3.705				
16,000.00	6,962.80	7,005.20	6,994.80	265.44	242.83	-89.08	-439.54	-8,977.99	993.92	695.68	298.23	3.333				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,963.07	7,004.93	6,995.07	268.28	242.82	-89.17	-439.54	-8,977.99	895.40	592.94	302.46	2.960		
16,200.00	6,963.34	7,004.66	6,995.34	271.11	242.81	-89.26	-439.54	-8,977.99	797.25	489.35	307.90	2.589		
16,300.00	6,963.60	7,004.40	6,995.60	273.95	242.80	-89.36	-439.54	-8,977.99	699.63	384.56	315.07	2.221		
16,400.00	6,963.87	7,004.13	6,995.87	276.78	242.79	-89.45	-439.54	-8,977.99	602.78	278.00	324.78	1.856		
16,500.00	6,964.13	7,003.87	6,996.13	279.62	242.78	-89.55	-439.54	-8,977.99	507.16	168.75	338.41	1.499	Level 3	
16,600.00	6,964.40	7,003.60	6,996.40	282.46	242.77	-89.64	-439.54	-8,977.99	413.62	55.28	358.35	1.154	Level 2	
16,700.00	6,964.67	7,003.33	6,996.67	285.29	242.76	-89.74	-439.54	-8,977.99	323.96	-64.96	388.93	0.833	Level 1	
16,800.00	6,964.93	7,003.07	6,996.93	288.13	242.75	-89.83	-439.54	-8,977.99	242.53	-194.64	437.17	0.555	Level 1	
16,900.00	6,965.20	7,002.80	6,997.20	290.97	242.74	-89.92	-439.54	-8,977.99	180.80	-323.07	503.87	0.359	Level 1	
16,980.66	6,965.41	7,002.59	6,997.41	293.26	242.74	-90.00	-439.54	-8,977.99	161.82	-374.18	535.99	0.302	Level 1, CC, ES, SF	
17,000.00	6,965.46	7,002.54	6,997.46	293.81	242.74	-90.02	-439.54	-8,977.99	162.97	-371.46	534.43	0.305	Level 1	
17,100.00	6,965.73	7,002.27	6,997.73	296.65	242.73	-90.11	-439.54	-8,977.99	201.06	-281.01	482.07	0.417	Level 1	
17,200.00	6,966.00	7,002.00	6,998.00	299.49	242.72	-90.21	-439.54	-8,977.99	272.57	-149.80	422.37	0.645	Level 1	
17,300.00	6,966.26	7,001.74	6,998.26	302.32	242.71	-90.30	-439.54	-8,977.99	358.00	-24.54	382.54	0.936	Level 1	
17,400.00	6,966.53	7,001.47	6,998.53	305.16	242.70	-90.40	-439.54	-8,977.99	449.48	92.45	357.03	1.259	Level 3	
17,500.00	6,966.80	7,001.21	6,998.80	308.00	242.69	-90.49	-439.54	-8,977.99	543.97	203.95	340.01	1.600		
17,600.00	6,967.06	7,000.94	6,999.06	310.85	242.68	-90.58	-439.54	-8,977.99	640.13	312.00	328.13	1.951		
17,700.00	6,967.33	7,000.67	6,999.33	313.69	242.67	-90.68	-439.54	-8,977.99	737.31	417.81	319.50	2.308		
17,800.00	6,967.59	7,000.41	6,999.59	316.53	242.66	-90.77	-439.54	-8,977.99	835.16	522.12	313.04	2.668		
17,900.00	6,967.86	7,000.14	6,999.86	319.37	242.65	-90.87	-439.54	-8,977.99	933.47	625.39	308.08	3.030		
18,000.00	6,968.13	7,000.13	7,000.13	322.21	242.65	-90.96	-439.54	-8,977.99	1,032.10	727.91	304.19	3.393		
18,100.00	6,968.39	7,000.39	7,000.39	325.05	242.66	-91.05	-439.54	-8,977.99	1,130.97	829.88	301.10	3.756		
18,200.00	6,968.66	7,000.66	7,000.66	327.90	242.67	-91.15	-439.54	-8,977.99	1,230.03	931.43	298.59	4.119		
18,300.00	6,968.92	7,000.92	7,000.92	330.74	242.68	-91.24	-439.54	-8,977.99	1,329.22	1,032.68	296.55	4.482		
18,400.00	6,969.19	7,001.19	7,001.19	333.58	242.69	-91.34	-439.54	-8,977.99	1,428.53	1,133.68	294.85	4.845		
18,500.00	6,969.46	7,001.46	7,001.46	336.43	242.70	-91.43	-439.54	-8,977.99	1,527.93	1,234.49	293.44	5.207		
18,600.00	6,969.72	7,001.72	7,001.72	339.27	242.71	-91.53	-439.54	-8,977.99	1,627.40	1,335.14	292.26	5.568		
18,704.56	6,970.00	7,002.00	7,002.00	342.24	242.72	-91.62	-439.54	-8,977.99	1,731.47	1,440.26	291.21	5.946		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-97.20	-1,225.45	-9,702.20	9,779.28					
100.00	100.00	113.00	113.00	3.28	3.95	-97.20	-1,225.45	-9,702.20	9,779.28	9,772.05	7.23	1,351.887		
200.00	200.00	213.00	213.00	3.34	6.57	-97.20	-1,225.45	-9,702.20	9,779.28	9,769.38	9.91	987.307		
300.00	299.98	312.98	312.98	3.44	9.75	162.79	-1,225.45	-9,702.20	9,780.95	9,767.76	13.19	741.471		
400.00	399.84	412.84	412.84	3.60	13.08	162.77	-1,225.45	-9,702.20	9,785.95	9,769.27	16.68	586.578		
500.00	499.45	512.45	512.45	3.80	16.47	162.74	-1,225.45	-9,702.20	9,794.28	9,774.00	20.28	483.025		
600.00	598.70	611.70	611.70	4.05	19.88	162.69	-1,225.45	-9,702.20	9,805.92	9,781.99	23.93	409.768		
700.00	697.47	710.47	710.47	4.33	23.29	162.63	-1,225.45	-9,702.20	9,820.87	9,793.25	27.62	355.566		
803.50	799.05	812.05	812.05	4.67	26.80	162.55	-1,225.45	-9,702.20	9,839.80	9,808.34	31.46	312.762		
900.00	893.41	906.41	906.41	5.02	30.08	162.58	-1,225.45	-9,702.20	9,859.09	9,824.03	35.06	281.229		
1,000.00	991.20	1,004.20	1,004.20	5.41	33.47	162.62	-1,225.45	-9,702.20	9,879.08	9,840.28	38.80	254.592		
1,100.00	1,088.99	1,101.99	1,101.99	5.81	36.87	162.65	-1,225.45	-9,702.20	9,899.08	9,856.51	42.57	232.531		
1,200.00	1,186.78	1,200.22	1,199.78	6.23	40.29	162.69	-1,225.45	-9,702.20	9,919.08	9,872.71	46.37	213.909		
1,300.00	1,284.57	1,302.43	1,297.57	6.67	43.85	162.73	-1,225.45	-9,702.20	9,939.08	9,888.76	50.32	197.507		
1,400.00	1,382.36	1,404.64	1,395.36	7.12	47.40	162.76	-1,225.45	-9,702.20	9,959.09	9,904.81	54.29	183.456		
1,500.00	1,480.15	1,506.85	1,493.15	7.57	50.96	162.80	-1,225.45	-9,702.20	9,979.10	9,920.85	58.26	171.288		
1,600.00	1,577.94	1,609.06	1,590.94	8.03	54.53	162.83	-1,225.45	-9,702.20	9,999.12	9,936.88	62.24	160.655		
7,800.00	6,940.99	6,953.99	6,953.99	45.19	241.04	-88.40	-1,225.45	-9,702.20	9,952.75	9,680.76	271.99	36.593		
7,900.00	6,941.25	6,954.25	6,954.25	47.05	241.05	-88.42	-1,225.45	-9,702.20	9,953.20	9,681.17	272.03	36.221		
8,000.00	6,941.52	6,954.52	6,954.52	49.02	241.06	-88.43	-1,225.45	-9,702.20	9,953.67	9,681.59	272.08	35.848		
8,100.00	6,941.79	6,954.79	6,954.79	51.06	241.07	-88.45	-1,225.45	-9,702.20	9,954.14	9,682.01	272.14	35.475		
8,200.00	6,942.05	6,955.05	6,955.05	53.18	241.08	-88.47	-1,225.45	-9,702.20	9,954.63	9,682.43	272.20	35.102		
8,300.00	6,942.32	6,955.32	6,955.32	55.37	241.09	-88.48	-1,225.45	-9,702.20	9,955.13	9,682.86	272.27	34.728		
8,400.00	6,942.58	6,955.58	6,955.58	57.62	241.10	-88.50	-1,225.45	-9,702.20	9,955.63	9,683.29	272.34	34.353		
8,500.00	6,942.85	6,955.85	6,955.85	59.92	241.11	-88.51	-1,225.45	-9,702.20	9,956.15	9,683.73	272.41	33.978		
8,600.00	6,943.12	6,956.12	6,956.12	62.26	241.12	-88.53	-1,225.45	-9,702.20	9,956.68	9,684.18	272.50	33.603		
8,700.00	6,943.38	6,956.38	6,956.38	64.65	241.12	-88.55	-1,225.45	-9,702.20	9,957.22	9,684.63	272.59	33.227		
8,800.00	6,943.65	6,956.65	6,956.65	67.08	241.13	-88.56	-1,225.45	-9,702.20	9,957.77	9,685.08	272.69	32.850		
8,900.00	6,943.91	6,956.91	6,956.91	69.53	241.14	-88.58	-1,225.45	-9,702.20	9,958.33	9,685.54	272.79	32.473		
9,000.00	6,944.18	6,957.18	6,957.18	72.02	241.15	-88.60	-1,225.45	-9,702.20	9,958.91	9,686.01	272.90	32.096		
9,100.00	6,944.45	6,957.45	6,957.45	74.54	241.16	-88.61	-1,225.45	-9,702.20	9,959.50	9,686.48	273.02	31.718		
9,200.00	6,944.71	6,957.71	6,957.71	77.07	241.17	-88.63	-1,225.45	-9,702.20	9,960.11	9,686.96	273.15	31.339		
9,300.00	6,944.98	6,957.98	6,957.98	79.63	241.18	-88.64	-1,225.45	-9,702.20	9,960.73	9,687.45	273.28	30.960		
9,400.00	6,945.24	6,958.24	6,958.24	82.21	241.19	-88.66	-1,225.45	-9,702.20	9,961.36	9,687.94	273.42	30.580		
9,500.00	6,945.51	6,958.51	6,958.51	84.81	241.20	-88.68	-1,225.45	-9,702.20	9,962.01	9,688.43	273.58	30.200		
9,600.00	6,945.78	6,958.78	6,958.78	87.43	241.21	-88.69	-1,225.45	-9,702.20	9,962.67	9,688.94	273.74	29.819		
9,700.00	6,946.04	6,959.04	6,959.04	90.05	241.22	-88.71	-1,225.45	-9,702.20	9,963.35	9,689.45	273.91	29.438		
9,800.00	6,946.31	6,959.31	6,959.31	92.70	241.23	-88.72	-1,225.45	-9,702.20	9,964.05	9,689.96	274.09	29.057		
9,900.00	6,946.57	6,959.57	6,959.57	95.35	241.24	-88.74	-1,225.45	-9,702.20	9,964.77	9,690.49	274.28	28.674		
10,000.00	6,946.84	6,959.84	6,959.84	98.02	241.25	-88.76	-1,225.45	-9,702.20	9,965.50	9,691.02	274.48	28.292		
10,100.00	6,947.11	6,960.11	6,960.11	100.70	241.25	-88.77	-1,225.45	-9,702.20	9,966.26	9,691.56	274.70	27.908		
10,200.00	6,947.37	6,960.37	6,960.37	103.38	241.26	-88.79	-1,225.45	-9,702.20	9,967.03	9,692.11	274.92	27.524		
10,300.00	6,947.64	6,960.64	6,960.64	106.08	241.27	-88.81	-1,225.45	-9,702.20	9,967.82	9,692.66	275.16	27.140		
10,400.00	6,947.90	6,960.90	6,960.90	108.78	241.28	-88.82	-1,225.45	-9,702.20	9,968.64	9,693.22	275.41	26.755		
10,500.00	6,948.17	6,961.17	6,961.17	111.49	241.29	-88.84	-1,225.45	-9,702.20	9,969.47	9,693.80	275.68	26.369		
10,600.00	6,948.44	6,961.44	6,961.44	114.21	241.30	-88.85	-1,225.45	-9,702.20	9,970.34	9,694.38	275.96	25.983		
10,700.00	6,948.70	6,961.70	6,961.70	116.94	241.31	-88.87	-1,225.45	-9,702.20	9,971.22	9,694.97	276.25	25.597		
10,800.00	6,948.97	6,961.97	6,961.97	119.67	241.32	-88.89	-1,225.45	-9,702.20	9,972.13	9,695.57	276.56	25.210		
10,900.00	6,949.24	6,962.24	6,962.24	122.41	241.33	-88.90	-1,225.45	-9,702.20	9,973.07	9,696.17	276.89	24.822		
11,000.00	6,949.50	6,962.50	6,962.50	125.15	241.34	-88.92	-1,225.45	-9,702.20	9,974.03	9,696.79	277.24	24.434		
11,100.00	6,949.77	6,962.77	6,962.77	127.90	241.35	-88.93	-1,225.45	-9,702.20	9,975.02	9,697.42	277.60	24.045		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - BLACK GOLD PETROLEUM #1(PR) - 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					
11,200.00	6,950.03	6,963.03	6,963.03	130.65	241.36	-88.95	-1,225.45	-9,702.20	6,576.05	6,298.06	277.98	23.656					
11,300.00	6,950.30	6,963.30	6,963.30	133.41	241.37	-88.97	-1,225.45	-9,702.20	6,477.10	6,198.71	278.39	23.267					
11,400.00	6,950.57	6,963.57	6,963.57	136.17	241.38	-88.98	-1,225.45	-9,702.20	6,378.19	6,099.38	278.81	22.876					
11,500.00	6,950.83	6,963.83	6,963.83	138.94	241.38	-89.00	-1,225.45	-9,702.20	6,279.31	6,000.05	279.26	22.486					
11,600.00	6,951.10	6,964.10	6,964.10	141.71	241.39	-89.01	-1,225.45	-9,702.20	6,180.47	5,900.74	279.73	22.095					
11,700.00	6,951.36	6,964.36	6,964.36	144.48	241.40	-89.03	-1,225.45	-9,702.20	6,081.66	5,801.44	280.22	21.703					
11,800.00	6,951.63	6,964.63	6,964.63	147.26	241.41	-89.05	-1,225.45	-9,702.20	5,982.90	5,702.16	280.74	21.311					
11,900.00	6,951.90	6,964.90	6,964.90	150.03	241.42	-89.06	-1,225.45	-9,702.20	5,884.17	5,602.89	281.29	20.919					
12,000.00	6,952.16	6,965.16	6,965.16	152.82	241.43	-89.08	-1,225.45	-9,702.20	5,785.49	5,503.63	281.86	20.526					
12,100.00	6,952.43	6,965.43	6,965.43	155.60	241.44	-89.10	-1,225.45	-9,702.20	5,686.86	5,404.39	282.47	20.133					
12,200.00	6,952.69	6,965.69	6,965.69	158.39	241.45	-89.11	-1,225.45	-9,702.20	5,588.28	5,305.17	283.10	19.739					
12,300.00	6,952.96	6,965.96	6,965.96	161.18	241.46	-89.13	-1,225.45	-9,702.20	5,489.74	5,205.97	283.77	19.345					
12,400.00	6,953.23	6,966.23	6,966.23	163.97	241.47	-89.14	-1,225.45	-9,702.20	5,391.26	5,106.78	284.48	18.951					
12,500.00	6,953.49	6,966.49	6,966.49	166.77	241.48	-89.16	-1,225.45	-9,702.20	5,292.84	5,007.62	285.22	18.557					
12,600.00	6,953.76	6,966.76	6,966.76	169.56	241.49	-89.18	-1,225.45	-9,702.20	5,194.48	4,908.47	286.01	18.162					
12,700.00	6,954.02	6,967.02	6,967.02	172.36	241.50	-89.19	-1,225.45	-9,702.20	5,096.18	4,809.35	286.83	17.767					
12,800.00	6,954.29	6,967.29	6,967.29	175.16	241.51	-89.21	-1,225.45	-9,702.20	4,997.95	4,710.25	287.70	17.372					
12,900.00	6,954.56	6,967.56	6,967.56	177.97	241.51	-89.22	-1,225.45	-9,702.20	4,899.79	4,611.18	288.62	16.977					
13,000.00	6,954.82	6,967.82	6,967.82	180.77	241.52	-89.24	-1,225.45	-9,702.20	4,801.71	4,512.13	289.58	16.582					
13,100.00	6,955.09	6,968.09	6,968.09	183.58	241.53	-89.26	-1,225.45	-9,702.20	4,703.70	4,413.11	290.60	16.186					
13,200.00	6,955.35	6,968.35	6,968.35	186.38	241.54	-89.27	-1,225.45	-9,702.20	4,605.79	4,314.12	291.67	15.791					
13,300.00	6,955.62	6,968.62	6,968.62	189.19	241.55	-89.29	-1,225.45	-9,702.20	4,507.96	4,215.16	292.80	15.396					
13,400.00	6,955.89	6,968.89	6,968.89	192.00	241.56	-89.31	-1,225.45	-9,702.20	4,410.23	4,116.24	294.00	15.001					
13,500.00	6,956.15	6,969.15	6,969.15	194.82	241.57	-89.32	-1,225.45	-9,702.20	4,312.61	4,017.35	295.26	14.606					
13,600.00	6,956.42	6,969.42	6,969.42	197.63	241.58	-89.34	-1,225.45	-9,702.20	4,215.10	3,918.50	296.59	14.212					
13,700.00	6,956.68	6,969.68	6,969.68	200.44	241.59	-89.35	-1,225.45	-9,702.20	4,117.70	3,819.70	298.00	13.818					
13,800.00	6,956.95	6,969.95	6,969.95	203.26	241.60	-89.37	-1,225.45	-9,702.20	4,020.44	3,720.94	299.50	13.424					
13,900.00	6,957.22	6,970.22	6,970.22	206.08	241.61	-89.39	-1,225.45	-9,702.20	3,923.31	3,622.23	301.08	13.031					
14,000.00	6,957.48	6,970.48	6,970.48	208.89	241.62	-89.40	-1,225.45	-9,702.20	3,826.33	3,523.58	302.75	12.639					
14,100.00	6,957.75	6,970.75	6,970.75	211.71	241.63	-89.42	-1,225.45	-9,702.20	3,729.51	3,424.99	304.53	12.247					
14,200.00	6,958.02	6,971.02	6,971.02	214.53	241.64	-89.43	-1,225.45	-9,702.20	3,632.86	3,326.46	306.41	11.856					
14,300.00	6,958.28	6,971.28	6,971.28	217.36	241.64	-89.45	-1,225.45	-9,702.20	3,536.40	3,228.00	308.41	11.467					
14,400.00	6,958.55	6,971.55	6,971.55	220.18	241.65	-89.47	-1,225.45	-9,702.20	3,440.14	3,129.61	310.53	11.078					
14,500.00	6,958.81	6,971.81	6,971.81	223.00	241.66	-89.48	-1,225.45	-9,702.20	3,344.10	3,031.31	312.79	10.691					
14,600.00	6,959.08	6,972.08	6,972.08	225.83	241.67	-89.50	-1,225.45	-9,702.20	3,248.30	2,933.10	315.20	10.306					
14,700.00	6,959.35	6,972.35	6,972.35	228.65	241.68	-89.51	-1,225.45	-9,702.20	3,152.76	2,835.00	317.76	9.922					
14,800.00	6,959.61	6,972.61	6,972.61	231.48	241.69	-89.53	-1,225.45	-9,702.20	3,057.51	2,737.01	320.50	9.540					
14,900.00	6,959.88	6,972.88	6,972.88	234.30	241.70	-89.55	-1,225.45	-9,702.20	2,962.56	2,639.14	323.42	9.160					
15,000.00	6,960.14	6,973.14	6,973.14	237.13	241.71	-89.56	-1,225.45	-9,702.20	2,867.97	2,541.42	326.55	8.783					
15,100.00	6,960.41	6,973.41	6,973.41	239.96	241.72	-89.58	-1,225.45	-9,702.20	2,773.75	2,443.85	329.90	8.408					
15,200.00	6,960.68	6,973.68	6,973.68	242.79	241.73	-89.60	-1,225.45	-9,702.20	2,679.95	2,346.46	333.49	8.036					
15,300.00	6,960.94	6,973.94	6,973.94	245.62	241.74	-89.61	-1,225.45	-9,702.20	2,586.61	2,249.26	337.35	7.668					
15,400.00	6,961.21	6,974.21	6,974.21	248.45	241.75	-89.63	-1,225.45	-9,702.20	2,493.79	2,152.30	341.49	7.303					
15,500.00	6,961.47	6,974.47	6,974.47	251.28	241.76	-89.64	-1,225.45	-9,702.20	2,401.55	2,055.59	345.96	6.942					
15,600.00	6,961.74	6,974.74	6,974.74	254.11	241.77	-89.66	-1,225.45	-9,702.20	2,309.95	1,959.18	350.77	6.585					
15,700.00	6,962.01	6,975.01	6,975.01	256.94	241.77	-89.68	-1,225.45	-9,702.20	2,219.08	1,863.11	355.97	6.234					
15,800.00	6,962.27	6,975.27	6,975.27	259.77	241.78	-89.69	-1,225.45	-9,702.20	2,129.03	1,767.43	361.59	5.888					
15,900.00	6,962.54	6,975.54	6,975.54	262.61	241.79	-89.71	-1,225.45	-9,702.20	2,039.90	1,672.22	367.68	5.548					
16,000.00	6,962.80	6,975.80	6,975.80	265.44	241.80	-89.72	-1,225.45	-9,702.20	1,951.83	1,577.55	374.28	5.215					
16,100.00	6,963.07	6,976.07	6,976.07	268.28	241.81	-89.74	-1,225.45	-9,702.20	1,864.96	1,483.52	381.44	4.889					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - BLACK GOLD PETROLEUM #1(PR) - 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	
16,200.00	6,963.34	6,976.34	6,976.34	271.11	241.82	-89.76	-1,225.45	-9,702.20	1,779.47	1,390.26	389.21	4.572	
16,300.00	6,963.60	6,976.60	6,976.60	273.95	241.83	-89.77	-1,225.45	-9,702.20	1,695.57	1,297.91	397.65	4.264	
16,400.00	6,963.87	6,976.87	6,976.87	276.78	241.84	-89.79	-1,225.45	-9,702.20	1,613.50	1,206.68	406.82	3.966	
16,500.00	6,964.13	6,977.13	6,977.13	279.62	241.85	-89.81	-1,225.45	-9,702.20	1,533.57	1,116.81	416.75	3.680	
16,600.00	6,964.40	6,977.40	6,977.40	282.46	241.86	-89.82	-1,225.45	-9,702.20	1,456.11	1,028.61	427.50	3.406	
16,700.00	6,964.67	6,977.67	6,977.67	285.29	241.87	-89.84	-1,225.45	-9,702.20	1,381.56	942.48	439.07	3.147	
16,800.00	6,964.93	6,977.93	6,977.93	288.13	241.88	-89.85	-1,225.45	-9,702.20	1,310.40	858.94	451.46	2.903	
16,900.00	6,965.20	6,978.20	6,978.20	290.97	241.89	-89.87	-1,225.45	-9,702.20	1,243.21	778.62	464.59	2.676	
17,000.00	6,965.46	6,978.46	6,978.46	293.81	241.90	-89.89	-1,225.45	-9,702.20	1,180.68	702.36	478.33	2.468	
17,100.00	6,965.73	6,978.73	6,978.73	296.65	241.90	-89.90	-1,225.45	-9,702.20	1,123.59	631.16	492.42	2.282	
17,200.00	6,966.00	6,979.00	6,979.00	299.49	241.91	-89.92	-1,225.45	-9,702.20	1,072.80	566.28	506.51	2.118	
17,300.00	6,966.26	6,979.26	6,979.26	302.32	241.92	-89.93	-1,225.45	-9,702.20	1,029.24	509.16	520.07	1.979	
17,400.00	6,966.53	6,979.53	6,979.53	305.16	241.93	-89.95	-1,225.45	-9,702.20	993.86	461.40	532.47	1.867	
17,500.00	6,966.80	6,979.80	6,979.80	308.00	241.94	-89.97	-1,225.45	-9,702.20	967.57	424.60	542.97	1.782	
17,600.00	6,967.06	6,980.06	6,980.06	310.85	241.95	-89.98	-1,225.45	-9,702.20	951.12	400.25	550.88	1.727	
17,700.00	6,967.33	6,980.33	6,980.33	313.69	241.96	-90.00	-1,225.45	-9,702.20	945.03	389.39	555.64	1.701	
17,707.82	6,967.35	6,980.35	6,980.35	313.91	241.96	-90.00	-1,225.45	-9,702.20	944.99	389.12	555.87	1.700	CC, ES, SF
17,800.00	6,967.59	6,980.59	6,980.59	316.53	241.97	-90.01	-1,225.45	-9,702.20	949.48	392.51	556.97	1.705	
17,900.00	6,967.86	6,980.86	6,980.86	319.37	241.98	-90.03	-1,225.45	-9,702.20	964.34	409.42	554.92	1.738	
18,000.00	6,968.13	6,981.13	6,981.13	322.21	241.99	-90.05	-1,225.45	-9,702.20	989.13	439.28	549.85	1.799	
18,100.00	6,968.39	6,981.39	6,981.39	325.05	242.00	-90.06	-1,225.45	-9,702.20	1,023.14	480.80	542.35	1.887	
18,200.00	6,968.66	6,981.66	6,981.66	327.90	242.01	-90.08	-1,225.45	-9,702.20	1,065.48	532.41	533.07	1.999	
18,300.00	6,968.92	6,981.92	6,981.92	330.74	242.02	-90.10	-1,225.45	-9,702.20	1,115.21	592.54	522.67	2.134	
18,400.00	6,969.19	6,982.19	6,982.19	333.58	242.03	-90.11	-1,225.45	-9,702.20	1,171.38	659.67	511.71	2.289	
18,500.00	6,969.46	6,982.46	6,982.46	336.43	242.03	-90.13	-1,225.45	-9,702.20	1,233.11	732.51	500.61	2.463	
18,600.00	6,969.72	6,982.72	6,982.72	339.27	242.04	-90.14	-1,225.45	-9,702.20	1,299.62	809.93	489.69	2.654	
18,704.56	6,970.00	6,983.00	6,983.00	342.24	242.05	-90.16	-1,225.45	-9,702.20	1,373.50	894.82	478.68	2.869	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	23.91	23.91	3.28	3.28	-89.47	90.07	-9,701.68	9,702.10					
100.00	100.00	115.76	115.76	3.28	3.29	-89.47	90.26	-9,701.74	9,702.16	9,695.59	6.58	1,475.218		
200.00	200.00	207.09	207.09	3.34	3.35	-89.46	90.64	-9,701.87	9,702.31	9,695.63	6.69	1,451.285		
300.00	299.98	298.88	298.88	3.44	3.45	170.53	91.03	-9,702.09	9,704.27	9,697.38	6.89	1,408.213		
400.00	399.84	418.27	418.26	3.60	3.64	170.52	91.27	-9,702.29	9,709.60	9,702.37	7.24	1,341.505		
500.00	499.45	521.45	521.45	3.80	3.85	170.50	91.18	-9,702.34	9,718.25	9,710.59	7.65	1,269.766		
600.00	598.70	616.15	616.15	4.05	4.08	170.47	91.06	-9,702.42	9,730.35	9,722.22	8.13	1,197.442		
700.00	697.47	737.18	737.18	4.33	4.40	170.44	91.14	-9,702.39	9,745.76	9,737.03	8.73	1,115.891		
803.50	799.05	853.14	853.13	4.67	4.75	170.40	91.12	-9,702.11	9,765.05	9,755.65	9.40	1,038.711		
900.00	893.41	930.62	930.62	5.02	4.99	170.41	90.90	-9,701.91	9,784.73	9,774.76	9.97	981.741		
1,000.00	991.20	1,000.00	1,000.00	5.41	5.22	170.42	90.69	-9,701.98	9,805.43	9,794.89	10.54	930.245		
1,100.00	1,088.99	1,100.00	1,102.00	5.81	5.56	170.44	90.28	-9,702.12	9,826.19	9,814.95	11.24	873.877		
1,200.00	1,186.78	1,168.91	1,168.91	6.23	5.80	170.45	89.91	-9,702.26	9,847.05	9,835.19	11.86	830.114		
1,300.00	1,284.57	1,273.05	1,273.04	6.67	6.17	170.47	89.26	-9,702.82	9,868.21	9,855.59	12.63	781.617		
1,400.00	1,382.36	1,361.45	1,361.44	7.12	6.49	170.49	88.71	-9,703.15	9,889.21	9,875.86	13.35	740.865		
1,500.00	1,480.15	1,438.35	1,438.33	7.57	6.78	170.50	88.37	-9,703.60	9,910.42	9,896.38	14.04	705.846		
1,600.00	1,577.94	1,521.58	1,521.57	8.03	7.09	170.52	87.91	-9,704.25	9,931.81	9,917.04	14.77	672.540		
1,700.00	1,675.73	1,617.94	1,617.92	8.50	7.46	170.53	87.47	-9,705.07	9,953.27	9,937.72	15.56	639.837		
1,800.00	1,773.52	1,722.43	1,722.41	8.98	7.87	170.55	87.15	-9,705.92	9,974.70	9,958.31	16.39	608.723		
1,900.00	1,871.31	1,816.70	1,816.67	9.45	8.24	170.57	87.04	-9,706.63	9,996.08	9,978.89	17.18	581.711		
7,800.00	6,940.99	6,922.91	6,922.55	45.19	29.60	79.79	113.10	-9,739.71	9,948.16	9,888.07	60.09	165.545		
7,900.00	6,941.25	6,923.60	6,923.24	47.05	29.60	79.89	113.10	-9,739.71	9,948.24	9,788.14	60.10	163.863		
8,000.00	6,941.52	6,924.29	6,923.93	49.02	29.60	79.99	113.11	-9,739.72	9,948.33	9,688.22	60.11	162.176		
8,100.00	6,941.79	6,924.98	6,924.62	51.06	29.61	80.09	113.11	-9,739.72	9,948.41	9,588.29	60.12	160.485		
8,200.00	6,942.05	6,925.67	6,925.31	53.18	29.61	80.18	113.12	-9,739.72	9,948.50	9,488.36	60.13	158.789		
8,300.00	6,942.32	6,926.37	6,926.00	55.37	29.61	80.28	113.12	-9,739.72	9,948.59	9,388.44	60.15	157.090		
8,400.00	6,942.58	6,927.06	6,926.70	57.62	29.62	80.38	113.12	-9,739.73	9,948.68	9,288.51	60.16	155.387		
8,500.00	6,942.85	6,927.75	6,927.39	59.92	29.62	80.48	113.13	-9,739.73	9,948.77	9,188.59	60.18	153.679		
8,600.00	6,943.12	6,928.44	6,928.08	62.26	29.62	80.57	113.13	-9,739.73	9,948.86	9,088.66	60.20	151.967		
8,700.00	6,943.38	6,929.13	6,928.77	64.65	29.62	80.67	113.14	-9,739.74	9,948.96	8,988.73	60.23	150.252		
8,800.00	6,943.65	6,929.82	6,929.46	67.08	29.63	80.77	113.14	-9,739.74	9,949.06	8,888.81	60.25	148.533		
8,900.00	6,943.91	6,930.51	6,930.15	69.53	29.63	80.87	113.14	-9,739.74	9,949.16	8,788.88	60.28	146.810		
9,000.00	6,944.18	6,931.20	6,930.84	72.02	29.63	80.97	113.15	-9,739.75	9,949.26	8,688.96	60.31	145.083		
9,100.00	6,944.45	6,931.89	6,931.53	74.54	29.64	81.07	113.15	-9,739.75	9,949.37	8,589.03	60.34	143.353		
9,200.00	6,944.71	6,932.59	6,932.22	77.07	29.64	81.16	113.15	-9,739.75	9,949.47	8,489.10	60.37	141.619		
9,300.00	6,944.98	6,933.28	6,932.92	79.63	29.64	81.26	113.16	-9,739.75	9,949.58	8,389.18	60.41	139.881		
9,400.00	6,945.24	6,933.97	6,933.61	82.21	29.65	81.36	113.16	-9,739.76	9,949.70	8,289.25	60.44	138.140		
9,500.00	6,945.51	6,934.66	6,934.30	84.81	29.65	81.46	113.17	-9,739.76	9,949.81	8,189.33	60.48	136.395		
9,600.00	6,945.78	6,935.35	6,934.99	87.43	29.65	81.56	113.17	-9,739.76	9,949.93	8,089.40	60.53	134.647		
9,700.00	6,946.04	6,936.04	6,935.68	90.05	29.65	81.66	113.17	-9,739.77	9,950.05	7,989.48	60.57	132.895		
9,800.00	6,946.31	6,936.73	6,936.37	92.70	29.66	81.75	113.18	-9,739.77	9,950.17	7,889.55	60.62	131.141		
9,900.00	6,946.57	6,937.42	6,937.06	95.35	29.66	81.85	113.18	-9,739.77	9,950.30	7,789.63	60.68	129.383		
10,000.00	6,946.84	6,938.11	6,937.75	98.02	29.66	81.95	113.19	-9,739.77	9,950.43	7,689.70	60.73	127.621		
10,100.00	6,947.11	6,938.81	6,938.45	100.70	29.67	82.05	113.19	-9,739.78	9,950.56	7,589.78	60.79	125.857		
10,200.00	6,947.37	6,939.50	6,939.14	103.38	29.67	82.15	113.19	-9,739.78	9,950.70	7,489.85	60.85	124.089		
10,300.00	6,947.64	6,940.19	6,939.83	106.08	29.67	82.25	113.20	-9,739.78	9,950.84	7,389.93	60.91	122.318		
10,400.00	6,947.90	6,940.88	6,940.52	108.78	29.67	82.35	113.20	-9,739.79	9,950.99	7,290.00	60.98	120.544		
10,500.00	6,948.17	6,941.57	6,941.21	111.49	29.68	82.45	113.20	-9,739.79	9,951.13	7,190.08	61.05	118.767		
10,600.00	6,948.44	6,942.26	6,941.90	114.21	29.68	82.54	113.21	-9,739.79	9,951.29	7,090.16	61.13	116.987		
10,700.00	6,948.70	6,942.95	6,942.59	116.94	29.68	82.64	113.21	-9,739.80	9,951.44	6,990.23	61.21	115.203		
10,800.00	6,948.97	6,943.64	6,943.28	119.67	29.69	82.74	113.22	-9,739.80	9,951.60	6,890.31	61.29	113.417		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,900.00	6,949.24	6,944.34	6,943.97	122.41	29.69	82.84	113.22	-9,739.80	6,851.77	6,790.39	61.38	111.628		
11,000.00	6,949.50	6,945.03	6,944.67	125.15	29.69	82.94	113.22	-9,739.80	6,751.94	6,690.47	61.47	109.836		
11,100.00	6,949.77	6,945.72	6,945.36	127.90	29.70	83.04	113.23	-9,739.81	6,652.11	6,590.54	61.57	108.041		
11,200.00	6,950.03	6,946.41	6,946.05	130.65	29.70	83.14	113.23	-9,739.81	6,552.30	6,490.62	61.67	106.243		
11,300.00	6,950.30	6,947.10	6,946.74	133.41	29.70	83.24	113.23	-9,739.81	6,452.48	6,390.70	61.78	104.442		
11,400.00	6,950.57	6,947.79	6,947.43	136.17	29.70	83.34	113.24	-9,739.82	6,352.67	6,290.78	61.89	102.638		
11,500.00	6,950.83	6,948.48	6,948.12	138.94	29.71	83.44	113.24	-9,739.82	6,252.87	6,190.86	62.01	100.832		
11,600.00	6,951.10	6,949.17	6,948.81	141.71	29.71	83.54	113.25	-9,739.82	6,153.08	6,090.94	62.14	99.022		
11,700.00	6,951.36	6,949.86	6,949.50	144.48	29.71	83.64	113.25	-9,739.82	6,053.29	5,991.02	62.27	97.210		
11,800.00	6,951.63	6,950.56	6,950.19	147.26	29.72	83.73	113.25	-9,739.83	5,953.51	5,891.10	62.41	95.394		
11,900.00	6,951.90	6,951.25	6,950.89	150.03	29.72	83.83	113.26	-9,739.83	5,853.73	5,791.17	62.56	93.576		
12,000.00	6,952.16	6,951.94	6,951.58	152.82	29.72	83.93	113.26	-9,739.83	5,753.96	5,691.25	62.71	91.755		
12,100.00	6,952.43	6,952.63	6,952.27	155.60	29.72	84.03	113.27	-9,739.84	5,654.20	5,591.33	62.87	89.931		
12,200.00	6,952.69	6,953.32	6,952.96	158.39	29.73	84.13	113.27	-9,739.84	5,554.45	5,491.41	63.04	88.105		
12,300.00	6,952.96	6,954.01	6,953.65	161.18	29.73	84.23	113.27	-9,739.84	5,454.71	5,391.49	63.22	86.275		
12,400.00	6,953.23	6,954.70	6,954.34	163.97	29.73	84.33	113.28	-9,739.85	5,354.98	5,291.57	63.42	84.443		
12,500.00	6,953.49	6,955.39	6,955.03	166.77	29.74	84.43	113.28	-9,739.85	5,255.26	5,191.64	63.62	82.607		
12,600.00	6,953.76	6,956.09	6,955.72	169.56	29.74	84.53	113.28	-9,739.85	5,155.55	5,091.72	63.83	80.769		
12,700.00	6,954.02	6,956.78	6,956.42	172.36	29.74	84.63	113.29	-9,739.85	5,055.85	4,991.79	64.06	78.928		
12,800.00	6,954.29	6,957.47	6,957.11	175.16	29.75	84.73	113.29	-9,739.86	4,956.16	4,891.87	64.30	77.084		
12,900.00	6,954.56	6,958.16	6,957.80	177.97	29.75	84.83	113.30	-9,739.86	4,856.49	4,791.94	64.55	75.238		
13,000.00	6,954.82	6,958.85	6,958.49	180.77	29.75	84.93	113.30	-9,739.86	4,756.83	4,692.01	64.82	73.388		
13,100.00	6,955.09	6,959.54	6,959.18	183.58	29.75	85.03	113.30	-9,739.87	4,657.18	4,592.08	65.10	71.536		
13,200.00	6,955.35	6,960.23	6,959.87	186.38	29.76	85.13	113.31	-9,739.87	4,557.55	4,492.15	65.41	69.682		
13,300.00	6,955.62	6,960.92	6,960.56	189.19	29.76	85.23	113.31	-9,739.87	4,457.94	4,392.21	65.73	67.824		
13,400.00	6,955.89	6,961.61	6,961.25	192.00	29.76	85.33	113.31	-9,739.88	4,358.34	4,292.27	66.07	65.965		
13,500.00	6,956.15	6,962.31	6,961.94	194.82	29.77	85.43	113.32	-9,739.88	4,258.76	4,192.32	66.44	64.103		
13,600.00	6,956.42	6,963.00	6,962.64	197.63	29.77	85.53	113.32	-9,739.88	4,159.20	4,092.38	66.83	62.238		
13,700.00	6,956.68	6,963.69	6,963.33	200.44	29.77	85.63	113.33	-9,739.88	4,059.67	3,992.42	67.24	60.372		
13,800.00	6,956.95	6,964.38	6,964.02	203.26	29.77	85.73	113.33	-9,739.89	3,960.15	3,892.46	67.69	58.504		
13,900.00	6,957.22	6,965.07	6,964.71	206.08	29.78	85.83	113.33	-9,739.89	3,860.66	3,792.49	68.17	56.634		
14,000.00	6,957.48	6,965.76	6,965.40	208.89	29.78	85.93	113.34	-9,739.89	3,761.20	3,692.52	68.68	54.763		
14,100.00	6,957.75	6,966.45	6,966.09	211.71	29.78	86.03	113.34	-9,739.90	3,661.77	3,592.54	69.23	52.891		
14,200.00	6,958.02	6,967.14	6,966.78	214.53	29.79	86.13	113.35	-9,739.90	3,562.37	3,492.54	69.82	51.019		
14,300.00	6,958.28	6,967.84	6,967.47	217.36	29.79	86.23	113.35	-9,739.90	3,463.00	3,392.54	70.46	49.146		
14,400.00	6,958.55	6,968.53	6,968.16	220.18	29.79	86.33	113.35	-9,739.90	3,363.67	3,292.52	71.15	47.274		
14,500.00	6,958.81	6,969.22	6,968.86	223.00	29.80	86.43	113.36	-9,739.91	3,264.39	3,192.49	71.90	45.404		
14,600.00	6,959.08	6,969.91	6,969.55	225.83	29.80	86.53	113.36	-9,739.91	3,165.14	3,092.44	72.70	43.535		
14,700.00	6,959.35	6,970.60	6,970.24	228.65	29.80	86.63	113.36	-9,739.91	3,065.95	2,992.37	73.58	41.670		
14,800.00	6,959.61	6,971.29	6,970.93	231.48	29.80	86.73	113.37	-9,739.92	2,966.81	2,892.28	74.53	39.808		
14,900.00	6,959.88	6,971.98	6,971.62	234.30	29.81	86.83	113.37	-9,739.92	2,867.73	2,792.16	75.56	37.952		
15,000.00	6,960.14	6,972.67	6,972.31	237.13	29.81	86.93	113.38	-9,739.92	2,768.71	2,692.02	76.69	36.102		
15,100.00	6,960.41	6,973.36	6,973.00	239.96	29.81	87.03	113.38	-9,739.93	2,669.77	2,591.84	77.93	34.260		
15,200.00	6,960.68	6,974.06	6,973.69	242.79	29.82	87.13	113.38	-9,739.93	2,570.91	2,491.63	79.28	32.429		
15,300.00	6,960.94	6,974.75	6,974.39	245.62	29.82	87.23	113.39	-9,739.93	2,472.14	2,391.38	80.77	30.609		
15,400.00	6,961.21	6,975.44	6,975.08	248.45	29.82	87.33	113.39	-9,739.93	2,373.48	2,291.07	82.40	28.803		
15,500.00	6,961.47	6,976.13	6,975.77	251.28	29.82	87.43	113.39	-9,739.94	2,274.93	2,190.72	84.21	27.014		
15,600.00	6,961.74	6,976.82	6,976.46	254.11	29.83	87.53	113.40	-9,739.94	2,176.51	2,090.29	86.22	25.245		
15,700.00	6,962.01	6,977.51	6,977.15	256.94	29.83	87.63	113.40	-9,739.94	2,078.25	1,989.80	88.44	23.498		
15,800.00	6,962.27	6,978.20	6,977.84	259.77	29.83	87.73	113.41	-9,739.95	1,980.15	1,889.22	90.93	21.777		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
15,900.00	6,962.54	6,978.89	6,978.53	262.61	29.84	87.83	113.41	-9,739.95	1,882.26	1,788.55	93.71	20.086		
16,000.00	6,962.80	6,979.58	6,979.22	265.44	29.84	87.93	113.41	-9,739.95	1,784.60	1,687.76	96.84	18.429		
16,100.00	6,963.07	6,980.28	6,979.91	268.28	29.84	88.03	113.42	-9,739.95	1,687.22	1,586.85	100.37	16.810		
16,200.00	6,963.34	6,980.97	6,980.61	271.11	29.85	88.13	113.42	-9,739.96	1,590.16	1,485.78	104.38	15.235		
16,300.00	6,963.60	6,981.66	6,981.30	273.95	29.85	88.24	113.43	-9,739.96	1,493.48	1,384.54	108.95	13.709		
16,400.00	6,963.87	6,982.35	6,981.99	276.78	29.85	88.34	113.43	-9,739.96	1,397.28	1,283.09	114.19	12.237		
16,500.00	6,964.13	6,983.04	6,982.68	279.62	29.85	88.44	113.43	-9,739.97	1,301.65	1,181.40	120.24	10.825		
16,600.00	6,964.40	6,983.73	6,983.37	282.46	29.86	88.54	113.44	-9,739.97	1,206.72	1,079.43	127.29	9.480		
16,700.00	6,964.67	6,984.42	6,984.06	285.29	29.86	88.64	113.44	-9,739.97	1,112.69	977.15	135.54	8.209		
16,800.00	6,964.93	6,985.11	6,984.75	288.13	29.86	88.74	113.44	-9,739.98	1,019.78	874.50	145.29	7.019		
16,900.00	6,965.20	6,985.81	6,985.44	290.97	29.87	88.84	113.45	-9,739.98	928.36	771.46	156.90	5.917		
17,000.00	6,965.46	6,986.50	6,986.13	293.81	29.87	88.94	113.45	-9,739.98	838.89	668.04	170.85	4.910		
17,100.00	6,965.73	6,987.19	6,986.83	296.65	29.87	89.04	113.46	-9,739.98	752.08	564.37	187.71	4.007		
17,200.00	6,966.00	6,987.88	6,987.52	299.49	29.87	89.14	113.46	-9,739.99	668.97	460.83	208.14	3.214		
17,300.00	6,966.26	6,988.57	6,988.21	302.32	29.88	89.24	113.46	-9,739.99	591.10	358.37	232.73	2.540		
17,400.00	6,966.53	6,989.26	6,988.90	305.16	29.88	89.34	113.47	-9,739.99	520.85	259.30	261.55	1.991		
17,500.00	6,966.80	6,989.95	6,989.59	308.00	29.88	89.44	113.47	-9,740.00	461.71	168.60	293.11	1.575		
17,600.00	6,967.06	6,990.64	6,990.28	310.85	29.89	89.54	113.48	-9,740.00	418.40	95.71	322.68	1.297 Level 3		
17,700.00	6,967.33	6,991.33	6,990.97	313.69	29.89	89.64	113.48	-9,740.00	396.16	54.31	341.85	1.159 Level 2		
17,740.59	6,967.44	6,991.62	6,991.25	314.84	29.89	89.68	113.48	-9,740.00	394.07	49.39	344.68	1.143 Level 2, CC, ES, SF		
17,800.00	6,967.59	6,992.03	6,991.66	316.53	29.89	89.74	113.48	-9,740.01	398.52	55.56	342.96	1.162 Level 2		
17,900.00	6,967.86	6,992.72	6,992.35	319.37	29.90	89.84	113.49	-9,740.01	425.09	98.66	326.43	1.302 Level 3		
18,000.00	6,968.13	6,993.41	6,993.05	322.21	29.90	89.94	113.49	-9,740.01	471.79	171.76	300.03	1.572		
18,100.00	6,968.39	6,994.10	6,993.74	325.05	29.90	90.04	113.49	-9,740.01	533.35	261.70	271.65	1.963		
18,200.00	6,968.66	6,994.79	6,994.43	327.90	29.90	90.14	113.50	-9,740.02	605.26	359.71	245.55	2.465		
18,300.00	6,968.92	6,995.48	6,995.12	330.74	29.91	90.24	113.50	-9,740.02	684.26	461.14	223.12	3.067		
18,400.00	6,969.19	6,996.17	6,995.81	333.58	29.91	90.35	113.51	-9,740.02	768.17	563.84	204.34	3.759		
18,500.00	6,969.46	6,996.86	6,996.50	336.43	29.91	90.45	113.51	-9,740.03	855.55	666.84	188.71	4.534		
18,600.00	6,969.72	6,997.56	6,997.19	339.27	29.92	90.55	113.51	-9,740.03	945.43	769.73	175.70	5.381		
18,704.56	6,970.00	6,998.28	6,997.92	342.24	29.92	90.65	113.52	-9,740.03	1,041.39	877.05	164.33	6.337		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-98.17	-1,225.88	-8,543.59	8,631.08					
100.00	100.00	114.00	114.00	3.28	3.97	-98.17	-1,225.88	-8,543.59	8,631.08	8,623.83	7.25	1,189.944		
200.00	200.00	214.00	214.00	3.34	6.60	-98.17	-1,225.88	-8,543.59	8,631.08	8,621.15	9.94	868.731		
300.00	299.98	313.98	313.98	3.44	9.78	161.83	-1,225.88	-8,543.59	8,632.74	8,619.52	13.22	652.801		
400.00	399.84	413.84	413.84	3.60	13.12	161.81	-1,225.88	-8,543.59	8,637.72	8,621.00	16.72	516.706		
500.00	499.45	513.45	513.45	3.80	16.51	161.77	-1,225.88	-8,543.59	8,646.00	8,625.69	20.31	425.678		
600.00	598.70	612.70	612.70	4.05	19.92	161.73	-1,225.88	-8,543.59	8,657.58	8,633.61	23.96	361.261		
700.00	697.47	711.47	711.47	4.33	23.32	161.66	-1,225.88	-8,543.59	8,672.45	8,644.79	27.66	313.593		
803.50	799.05	813.05	813.05	4.67	26.84	161.58	-1,225.88	-8,543.59	8,691.28	8,659.79	31.50	275.948		
900.00	893.41	907.41	907.41	5.02	30.11	161.63	-1,225.88	-8,543.59	8,710.47	8,675.38	35.09	248.214		
1,000.00	991.20	1,005.20	1,005.20	5.41	33.51	161.67	-1,225.88	-8,543.59	8,730.36	8,691.52	38.84	224.780		
1,100.00	1,088.99	1,102.99	1,102.99	5.81	36.91	161.71	-1,225.88	-8,543.59	8,750.26	8,707.65	42.61	205.369		
1,200.00	1,186.78	1,200.78	1,200.78	6.23	40.31	161.76	-1,225.88	-8,543.59	8,770.16	8,723.76	46.39	189.043		
1,300.00	1,284.57	1,301.43	1,298.57	6.67	43.81	161.80	-1,225.88	-8,543.59	8,790.06	8,739.77	50.29	174.785		
1,400.00	1,382.36	1,403.64	1,396.36	7.12	47.37	161.84	-1,225.88	-8,543.59	8,809.97	8,755.72	54.25	162.382		
1,500.00	1,480.15	1,505.85	1,494.15	7.57	50.93	161.88	-1,225.88	-8,543.59	8,829.88	8,771.66	58.23	151.643		
1,600.00	1,577.94	1,608.06	1,591.94	8.03	54.49	161.92	-1,225.88	-8,543.59	8,849.80	8,787.59	62.21	142.258		
1,700.00	1,675.73	1,689.73	1,689.73	8.50	57.34	161.97	-1,225.88	-8,543.59	8,869.73	8,804.24	65.48	135.454		
1,800.00	1,773.52	1,787.52	1,787.52	8.98	60.75	162.01	-1,225.88	-8,543.59	8,889.65	8,820.33	69.32	128.239		
1,900.00	1,871.31	1,885.31	1,885.31	9.45	64.15	162.05	-1,225.88	-8,543.59	8,909.59	8,836.42	73.16	121.774		
2,000.00	1,969.10	1,983.10	1,983.10	9.94	67.56	162.09	-1,225.88	-8,543.59	8,929.52	8,852.51	77.01	115.948		
2,100.00	2,066.88	2,080.88	2,080.88	10.42	70.97	162.13	-1,225.88	-8,543.59	8,949.46	8,868.60	80.86	110.672		
2,200.00	2,164.67	2,178.67	2,178.67	10.91	74.38	162.17	-1,225.88	-8,543.59	8,969.41	8,884.69	84.72	105.872		
2,300.00	2,262.46	2,276.46	2,276.46	11.40	77.80	162.21	-1,225.88	-8,543.59	8,989.36	8,900.78	88.58	101.487		
2,400.00	2,360.25	2,374.25	2,374.25	11.89	81.21	162.25	-1,225.88	-8,543.59	9,009.31	8,916.88	92.44	97.465		
2,500.00	2,458.04	2,472.04	2,472.04	12.39	84.62	162.29	-1,225.88	-8,543.59	9,029.27	8,932.97	96.30	93.763		
2,600.00	2,555.83	2,569.83	2,569.83	12.88	88.03	162.33	-1,225.88	-8,543.59	9,049.23	8,949.07	100.16	90.346		
2,700.00	2,653.62	2,667.62	2,667.62	13.38	91.44	162.37	-1,225.88	-8,543.59	9,069.20	8,965.17	104.03	87.181		
2,800.00	2,751.41	2,765.41	2,765.41	13.88	94.85	162.41	-1,225.88	-8,543.59	9,089.17	8,981.28	107.89	84.242		
2,900.00	2,849.20	2,863.20	2,863.20	14.38	98.26	162.45	-1,225.88	-8,543.59	9,109.15	8,997.38	111.76	81.505		
3,000.00	2,946.99	2,960.99	2,960.99	14.88	101.68	162.49	-1,225.88	-8,543.59	9,129.13	9,013.49	115.63	78.950		
3,100.00	3,044.78	3,058.78	3,058.78	15.38	105.09	162.53	-1,225.88	-8,543.59	9,149.11	9,029.61	119.50	76.561		
3,200.00	3,142.57	3,156.57	3,156.57	15.89	108.50	162.57	-1,225.88	-8,543.59	9,169.10	9,045.72	123.37	74.320		
3,300.00	3,240.36	3,254.36	3,254.36	16.39	111.91	162.61	-1,225.88	-8,543.59	9,189.09	9,061.84	127.24	72.216		
3,400.00	3,338.15	3,352.15	3,352.15	16.89	115.32	162.65	-1,225.88	-8,543.59	9,209.09	9,077.97	131.12	70.235		
3,500.00	3,435.93	3,449.93	3,449.93	17.40	118.74	162.69	-1,225.88	-8,543.59	9,229.09	9,094.09	134.99	68.368		
3,600.00	3,533.72	3,547.72	3,547.72	17.90	122.15	162.73	-1,225.88	-8,543.59	9,249.09	9,110.22	138.87	66.605		
3,700.00	3,631.51	3,645.51	3,645.51	18.41	125.56	162.76	-1,225.88	-8,543.59	9,269.10	9,126.36	142.74	64.937		
3,800.00	3,729.30	3,743.30	3,743.30	18.92	128.98	162.80	-1,225.88	-8,543.59	9,289.11	9,142.49	146.62	63.357		
3,900.00	3,827.09	3,841.09	3,841.09	19.42	132.39	162.84	-1,225.88	-8,543.59	9,309.13	9,158.63	150.49	61.858		
4,000.00	3,924.88	3,938.88	3,938.88	19.93	135.80	162.88	-1,225.88	-8,543.59	9,329.15	9,174.78	154.37	60.435		
4,100.00	4,022.67	4,036.67	4,036.67	20.44	139.21	162.92	-1,225.88	-8,543.59	9,349.17	9,190.93	158.24	59.081		
4,200.00	4,120.46	4,134.46	4,134.46	20.95	142.63	162.95	-1,225.88	-8,543.59	9,369.20	9,207.08	162.12	57.791		
4,300.00	4,218.25	4,232.25	4,232.25	21.46	146.04	162.99	-1,225.88	-8,543.59	9,389.23	9,223.23	166.00	56.562		
4,400.00	4,316.04	4,330.04	4,330.04	21.97	149.45	163.03	-1,225.88	-8,543.59	9,409.26	9,239.39	169.88	55.389		
4,500.00	4,413.83	4,427.83	4,427.83	22.48	152.87	163.07	-1,225.88	-8,543.59	9,429.30	9,255.55	173.75	54.268		
4,600.00	4,511.62	4,525.62	4,525.62	22.99	156.28	163.10	-1,225.88	-8,543.59	9,449.35	9,271.71	177.63	53.196		
4,700.00	4,609.41	4,623.41	4,623.41	23.50	159.69	163.14	-1,225.88	-8,543.59	9,469.39	9,287.88	181.51	52.170		
4,800.00	4,707.20	4,721.20	4,721.20	24.01	163.10	163.18	-1,225.88	-8,543.59	9,489.44	9,304.05	185.39	51.186		
4,900.00	4,804.98	4,818.98	4,818.98	24.52	166.52	163.21	-1,225.88	-8,543.59	9,509.50	9,320.23	189.27	50.243		
5,000.00	4,902.77	4,916.77	4,916.77	25.03	169.93	163.25	-1,225.88	-8,543.59	9,529.56	9,336.41	193.15	49.338		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,014.56	5,014.56	25.54	173.34	163.28	-1,225.88	-8,543.59	9,549.62	9,352.59	197.03	48.468			
5,200.00	5,098.35	5,112.35	5,112.35	26.05	176.76	163.32	-1,225.88	-8,543.59	9,569.68	9,368.77	200.91	47.632			
5,300.00	5,196.14	5,210.14	5,210.14	26.56	180.17	163.36	-1,225.88	-8,543.59	9,589.75	9,384.96	204.79	46.827			
5,400.00	5,293.93	5,307.93	5,307.93	27.07	183.58	163.39	-1,225.88	-8,543.59	9,609.82	9,401.15	208.67	46.053			
5,500.00	5,391.72	5,405.72	5,405.72	27.58	187.00	163.43	-1,225.88	-8,543.59	9,629.90	9,417.35	212.55	45.307			
5,600.00	5,489.51	5,503.51	5,503.51	28.09	190.41	163.46	-1,225.88	-8,543.59	9,649.98	9,433.55	216.43	44.587			
5,700.00	5,587.30	5,601.30	5,601.30	28.61	193.82	163.50	-1,225.88	-8,543.59	9,670.06	9,449.75	220.31	43.893			
5,800.00	5,685.09	5,700.91	5,699.09	29.12	197.30	163.53	-1,225.88	-8,543.59	9,690.15	9,465.89	224.26	43.210			
5,900.00	5,782.88	5,803.12	5,796.88	29.63	200.87	163.57	-1,225.88	-8,543.59	9,710.24	9,481.95	228.29	42.534			
6,000.00	5,880.67	5,905.33	5,894.67	30.14	204.44	163.60	-1,225.88	-8,543.59	9,730.33	9,498.01	232.33	41.882			
6,100.00	5,978.46	6,007.54	5,992.46	30.65	208.00	163.64	-1,225.88	-8,543.59	9,750.43	9,514.07	236.36	41.252			
6,200.00	6,076.25	6,109.76	6,090.25	31.17	211.57	163.67	-1,225.88	-8,543.59	9,770.53	9,530.13	240.40	40.643			
6,298.86	6,172.92	6,186.92	6,186.92	31.67	214.27	163.71	-1,225.88	-8,543.59	9,790.40	9,546.85	243.55	40.198			
6,300.00	6,174.03	6,188.03	6,188.03	31.68	214.30	163.62	-1,225.88	-8,543.59	9,790.63	9,547.03	243.60	40.192			
6,350.00	6,223.30	6,237.30	6,237.30	31.92	216.02	157.57	-1,225.88	-8,543.59	9,798.68	9,553.13	245.54	39.906			
6,400.00	6,273.06	6,287.06	6,287.06	32.13	217.76	136.21	-1,225.88	-8,543.59	9,802.84	9,555.35	247.50	39.608			
6,450.00	6,323.01	6,337.01	6,337.01	32.32	219.50	45.82	-1,225.88	-8,543.59	9,803.11	9,553.68	249.43	39.302			
6,500.00	6,372.84	6,386.84	6,386.84	32.48	221.24	13.54	-1,225.88	-8,543.59	9,799.47	9,548.14	251.34	38.989			
6,550.00	6,422.24	6,436.24	6,436.24	32.65	222.97	5.72	-1,225.88	-8,543.59	9,791.95	9,538.74	253.21	38.671			
6,600.00	6,470.92	6,484.92	6,484.92	32.83	224.67	2.32	-1,225.88	-8,543.59	9,780.60	9,525.56	255.04	38.349			
6,650.00	6,518.56	6,532.56	6,532.56	33.01	226.33	0.37	-1,225.88	-8,543.59	9,765.49	9,508.66	256.82	38.025			
6,700.00	6,564.89	6,578.89	6,578.89	33.21	227.95	-0.96	-1,225.88	-8,543.59	9,746.70	9,488.16	258.54	37.699			
6,750.00	6,609.60	6,623.60	6,623.60	33.43	229.51	-1.98	-1,225.88	-8,543.59	9,724.35	9,464.17	260.18	37.375			
6,800.00	6,652.43	6,666.43	6,666.43	33.66	231.00	-2.85	-1,225.88	-8,543.59	9,698.59	9,436.85	261.75	37.053			
6,850.00	6,693.10	6,707.10	6,707.10	33.91	232.42	-3.66	-1,225.88	-8,543.59	9,669.57	9,406.35	263.22	36.736			
6,900.00	6,731.38	6,745.38	6,745.38	34.20	233.76	-4.48	-1,225.88	-8,543.59	9,637.47	9,372.87	264.60	36.423			
6,950.00	6,767.02	6,781.02	6,781.02	34.51	235.00	-5.36	-1,225.88	-8,543.59	9,602.49	9,336.62	265.87	36.117			
7,000.00	6,799.81	6,813.81	6,813.81	34.85	236.15	-6.37	-1,225.88	-8,543.59	9,564.84	9,297.81	267.03	35.819			
7,050.00	6,829.54	6,843.54	6,843.54	35.24	237.19	-7.57	-1,225.88	-8,543.59	9,524.76	9,256.68	268.08	35.529			
7,100.00	6,856.03	6,870.03	6,870.03	35.66	238.11	-9.08	-1,225.88	-8,543.59	9,482.49	9,213.48	269.01	35.250			
7,150.00	6,879.11	6,906.89	6,893.11	36.12	239.40	-11.07	-1,225.88	-8,543.59	9,438.30	9,168.00	270.30	34.918			
7,200.00	6,898.65	6,912.65	6,912.65	36.62	239.60	-13.86	-1,225.88	-8,543.59	9,392.45	9,121.96	270.49	34.724			
7,250.00	6,914.51	6,928.51	6,928.51	37.15	240.15	-18.04	-1,225.88	-8,543.59	9,345.24	9,074.20	271.04	34.479			
7,300.00	6,926.62	6,940.62	6,940.62	37.73	240.57	-24.95	-1,225.88	-8,543.59	9,296.95	9,025.49	271.46	34.248			
7,350.00	6,934.88	6,948.88	6,948.88	38.34	240.86	-37.90	-1,225.88	-8,543.59	9,247.88	8,976.13	271.75	34.031			
7,400.00	6,939.26	6,953.26	6,953.26	38.97	241.02	-64.65	-1,225.88	-8,543.59	9,198.33	8,926.43	271.90	33.829			
7,429.12	6,940.00	6,954.00	6,954.00	39.34	241.04	-88.54	-1,225.88	-8,543.59	9,169.38	8,897.44	271.94	33.719			
7,500.00	6,940.19	6,954.19	6,954.19	40.31	241.05	-88.55	-1,225.88	-8,543.59	9,098.88	8,826.92	271.96	33.457			
7,600.00	6,940.46	6,954.46	6,954.46	41.80	241.06	-88.56	-1,225.88	-8,543.59	8,999.44	8,727.44	272.00	33.086			
7,700.00	6,940.72	6,954.72	6,954.72	43.43	241.07	-88.58	-1,225.88	-8,543.59	8,900.00	8,627.96	272.04	32.715			
7,800.00	6,940.99	6,954.99	6,954.99	45.19	241.08	-88.60	-1,225.88	-8,543.59	8,800.58	8,528.49	272.09	32.344			
7,900.00	6,941.25	6,955.25	6,955.25	47.05	241.09	-88.61	-1,225.88	-8,543.59	8,701.17	8,429.02	272.15	31.972			
8,000.00	6,941.52	6,955.52	6,955.52	49.02	241.09	-88.63	-1,225.88	-8,543.59	8,601.77	8,329.56	272.21	31.600			
8,100.00	6,941.79	6,955.79	6,955.79	51.06	241.10	-88.64	-1,225.88	-8,543.59	8,502.39	8,230.11	272.28	31.227			
8,200.00	6,942.05	6,956.05	6,956.05	53.18	241.11	-88.66	-1,225.88	-8,543.59	8,403.03	8,130.67	272.35	30.853			
8,300.00	6,942.32	6,956.32	6,956.32	55.37	241.12	-88.68	-1,225.88	-8,543.59	8,303.68	8,031.24	272.44	30.479			
8,400.00	6,942.58	6,956.58	6,956.58	57.62	241.13	-88.69	-1,225.88	-8,543.59	8,204.34	7,931.81	272.53	30.105			
8,500.00	6,942.85	6,956.85	6,956.85	59.92	241.14	-88.71	-1,225.88	-8,543.59	8,105.02	7,832.40	272.62	29.730			
8,600.00	6,943.12	6,957.12	6,957.12	62.26	241.15	-88.72	-1,225.88	-8,543.59	8,005.72	7,732.99	272.73	29.354			
8,700.00	6,943.38	6,957.38	6,957.38	64.65	241.16	-88.74	-1,225.88	-8,543.59	7,906.44	7,633.59	272.84	28.978			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,957.65	6,957.65	67.08	241.17	-88.76	-1,225.88	-8,543.59	7,807.17	7,534.20	272.96	28.601			
8,900.00	6,943.91	6,957.91	6,957.91	69.53	241.18	-88.77	-1,225.88	-8,543.59	7,707.92	7,434.82	273.10	28.224			
9,000.00	6,944.18	6,958.18	6,958.18	72.02	241.19	-88.79	-1,225.88	-8,543.59	7,608.69	7,335.46	273.24	27.846			
9,100.00	6,944.45	6,958.45	6,958.45	74.54	241.20	-88.80	-1,225.88	-8,543.59	7,509.49	7,236.10	273.39	27.468			
9,200.00	6,944.71	6,958.71	6,958.71	77.07	241.21	-88.82	-1,225.88	-8,543.59	7,410.30	7,136.75	273.55	27.089			
9,300.00	6,944.98	6,958.98	6,958.98	79.63	241.22	-88.84	-1,225.88	-8,543.59	7,311.14	7,037.41	273.73	26.710			
9,400.00	6,945.24	6,959.24	6,959.24	82.21	241.22	-88.85	-1,225.88	-8,543.59	7,212.00	6,938.08	273.91	26.330			
9,500.00	6,945.51	6,959.51	6,959.51	84.81	241.23	-88.87	-1,225.88	-8,543.59	7,112.88	6,838.77	274.11	25.949			
9,600.00	6,945.78	6,959.78	6,959.78	87.43	241.24	-88.88	-1,225.88	-8,543.59	7,013.79	6,739.47	274.32	25.568			
9,700.00	6,946.04	6,960.04	6,960.04	90.05	241.25	-88.90	-1,225.88	-8,543.59	6,914.72	6,640.17	274.55	25.186			
9,800.00	6,946.31	6,960.31	6,960.31	92.70	241.26	-88.92	-1,225.88	-8,543.59	6,815.69	6,540.90	274.79	24.803			
9,900.00	6,946.57	6,960.57	6,960.57	95.35	241.27	-88.93	-1,225.88	-8,543.59	6,716.68	6,441.63	275.04	24.420			
10,000.00	6,946.84	6,960.84	6,960.84	98.02	241.28	-88.95	-1,225.88	-8,543.59	6,617.70	6,342.38	275.32	24.037			
10,100.00	6,947.11	6,961.11	6,961.11	100.70	241.29	-88.96	-1,225.88	-8,543.59	6,518.75	6,243.14	275.61	23.652			
10,200.00	6,947.37	6,961.37	6,961.37	103.38	241.30	-88.98	-1,225.88	-8,543.59	6,419.83	6,143.92	275.91	23.268			
10,300.00	6,947.64	6,961.64	6,961.64	106.08	241.31	-89.00	-1,225.88	-8,543.59	6,320.95	6,044.71	276.24	22.882			
10,400.00	6,947.90	6,961.90	6,961.90	108.78	241.32	-89.01	-1,225.88	-8,543.59	6,222.10	5,945.52	276.58	22.496			
10,500.00	6,948.17	6,962.17	6,962.17	111.49	241.33	-89.03	-1,225.88	-8,543.59	6,123.29	5,846.35	276.95	22.110			
10,600.00	6,948.44	6,962.44	6,962.44	114.21	241.34	-89.05	-1,225.88	-8,543.59	6,024.53	5,747.19	277.34	21.723			
10,700.00	6,948.70	6,962.70	6,962.70	116.94	241.35	-89.06	-1,225.88	-8,543.59	5,925.80	5,648.05	277.75	21.335			
10,800.00	6,948.97	6,962.97	6,962.97	119.67	241.35	-89.08	-1,225.88	-8,543.59	5,827.11	5,548.93	278.19	20.947			
10,900.00	6,949.24	6,963.24	6,963.24	122.41	241.36	-89.09	-1,225.88	-8,543.59	5,728.47	5,449.82	278.65	20.558			
11,000.00	6,949.50	6,963.50	6,963.50	125.15	241.37	-89.11	-1,225.88	-8,543.59	5,629.88	5,350.74	279.14	20.169			
11,100.00	6,949.77	6,963.77	6,963.77	127.90	241.38	-89.13	-1,225.88	-8,543.59	5,531.34	5,251.68	279.66	19.779			
11,200.00	6,950.03	6,964.03	6,964.03	130.65	241.39	-89.14	-1,225.88	-8,543.59	5,432.85	5,152.64	280.21	19.388			
11,300.00	6,950.30	6,964.30	6,964.30	133.41	241.40	-89.16	-1,225.88	-8,543.59	5,334.42	5,053.63	280.79	18.998			
11,400.00	6,950.57	6,964.57	6,964.57	136.17	241.41	-89.17	-1,225.88	-8,543.59	5,236.05	4,954.64	281.41	18.606			
11,500.00	6,950.83	6,964.83	6,964.83	138.94	241.42	-89.19	-1,225.88	-8,543.59	5,137.74	4,855.68	282.07	18.215			
11,600.00	6,951.10	6,965.10	6,965.10	141.71	241.43	-89.21	-1,225.88	-8,543.59	5,039.50	4,756.74	282.76	17.823			
11,700.00	6,951.36	6,965.36	6,965.36	144.48	241.44	-89.22	-1,225.88	-8,543.59	4,941.33	4,657.84	283.49	17.430			
11,800.00	6,951.63	6,965.63	6,965.63	147.26	241.45	-89.24	-1,225.88	-8,543.59	4,843.23	4,558.96	284.27	17.037			
11,900.00	6,951.90	6,965.90	6,965.90	150.03	241.46	-89.25	-1,225.88	-8,543.59	4,745.21	4,460.12	285.09	16.644			
12,000.00	6,952.16	6,966.16	6,966.16	152.82	241.47	-89.27	-1,225.88	-8,543.59	4,647.28	4,361.32	285.97	16.251			
12,100.00	6,952.43	6,966.43	6,966.43	155.60	241.48	-89.29	-1,225.88	-8,543.59	4,549.44	4,262.55	286.89	15.858			
12,200.00	6,952.69	6,966.69	6,966.69	158.39	241.48	-89.30	-1,225.88	-8,543.59	4,451.69	4,163.82	287.87	15.464			
12,300.00	6,952.96	6,966.96	6,966.96	161.18	241.49	-89.32	-1,225.88	-8,543.59	4,354.05	4,065.13	288.91	15.071			
12,400.00	6,953.23	6,967.23	6,967.23	163.97	241.50	-89.33	-1,225.88	-8,543.59	4,256.51	3,966.50	290.01	14.677			
12,500.00	6,953.49	6,967.49	6,967.49	166.77	241.51	-89.35	-1,225.88	-8,543.59	4,159.09	3,867.91	291.19	14.283			
12,600.00	6,953.76	6,967.76	6,967.76	169.56	241.52	-89.37	-1,225.88	-8,543.59	4,061.80	3,769.37	292.43	13.890			
12,700.00	6,954.02	6,968.02	6,968.02	172.36	241.53	-89.38	-1,225.88	-8,543.59	3,964.64	3,670.89	293.75	13.497			
12,800.00	6,954.29	6,968.29	6,968.29	175.16	241.54	-89.40	-1,225.88	-8,543.59	3,867.63	3,572.48	295.15	13.104			
12,900.00	6,954.56	6,968.56	6,968.56	177.97	241.55	-89.41	-1,225.88	-8,543.59	3,770.77	3,474.13	296.64	12.711			
13,000.00	6,954.82	6,968.82	6,968.82	180.77	241.56	-89.43	-1,225.88	-8,543.59	3,674.08	3,375.85	298.23	12.320			
13,100.00	6,955.09	6,969.09	6,969.09	183.58	241.57	-89.45	-1,225.88	-8,543.59	3,577.57	3,277.65	299.92	11.928			
13,200.00	6,955.35	6,969.35	6,969.35	186.38	241.58	-89.46	-1,225.88	-8,543.59	3,481.26	3,179.54	301.72	11.538			
13,300.00	6,955.62	6,969.62	6,969.62	189.19	241.59	-89.48	-1,225.88	-8,543.59	3,385.17	3,081.53	303.64	11.149			
13,400.00	6,955.89	6,969.89	6,969.89	192.00	241.60	-89.49	-1,225.88	-8,543.59	3,289.30	2,983.62	305.69	10.760			
13,500.00	6,956.15	6,970.15	6,970.15	194.82	241.61	-89.51	-1,225.88	-8,543.59	3,193.69	2,885.82	307.87	10.373			
13,600.00	6,956.42	6,970.42	6,970.42	197.63	241.61	-89.53	-1,225.88	-8,543.59	3,098.36	2,788.15	310.21	9.988			
13,700.00	6,956.68	6,970.68	6,970.68	200.44	241.62	-89.54	-1,225.88	-8,543.59	3,003.33	2,690.62	312.71	9.604			
13,800.00	6,956.95	6,970.95	6,970.95	203.26	241.63	-89.56	-1,225.88	-8,543.59	2,908.64	2,593.25	315.39	9.222			

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	6,971.22	6,971.22	206.08	241.64	-89.57	-1,225.88	-8,543.59	2,814.31	2,496.04	318.26	8.843			
14,000.00	6,957.48	6,971.48	6,971.48	208.89	241.65	-89.59	-1,225.88	-8,543.59	2,720.38	2,399.04	321.35	8.466			
14,100.00	6,957.75	6,971.75	6,971.75	211.71	241.66	-89.61	-1,225.88	-8,543.59	2,626.91	2,302.24	324.66	8.091			
14,200.00	6,958.02	6,972.02	6,972.02	214.53	241.67	-89.62	-1,225.88	-8,543.59	2,533.93	2,205.70	328.23	7.720			
14,300.00	6,958.28	6,972.28	6,972.28	217.36	241.68	-89.64	-1,225.88	-8,543.59	2,441.51	2,109.43	332.08	7.352			
14,400.00	6,958.55	6,972.55	6,972.55	220.18	241.69	-89.66	-1,225.88	-8,543.59	2,349.71	2,013.48	336.23	6.988			
14,500.00	6,958.81	6,972.81	6,972.81	223.00	241.70	-89.67	-1,225.88	-8,543.59	2,258.60	1,917.89	340.71	6.629			
14,600.00	6,959.08	6,973.08	6,973.08	225.83	241.71	-89.69	-1,225.88	-8,543.59	2,168.28	1,822.72	345.57	6.275			
14,700.00	6,959.35	6,973.35	6,973.35	228.65	241.72	-89.70	-1,225.88	-8,543.59	2,078.85	1,728.03	350.82	5.926			
14,800.00	6,959.61	6,973.61	6,973.61	231.48	241.73	-89.72	-1,225.88	-8,543.59	1,990.42	1,633.90	356.52	5.583			
14,900.00	6,959.88	6,973.88	6,973.88	234.30	241.74	-89.74	-1,225.88	-8,543.59	1,903.14	1,540.43	362.71	5.247			
15,000.00	6,960.14	6,974.14	6,974.14	237.13	241.74	-89.75	-1,225.88	-8,543.59	1,817.17	1,447.73	369.44	4.919			
15,100.00	6,960.41	6,974.41	6,974.41	239.96	241.75	-89.77	-1,225.88	-8,543.59	1,732.70	1,355.96	376.74	4.599			
15,200.00	6,960.68	6,974.68	6,974.68	242.79	241.76	-89.78	-1,225.88	-8,543.59	1,649.98	1,265.29	384.68	4.289			
15,300.00	6,960.94	6,974.94	6,974.94	245.62	241.77	-89.80	-1,225.88	-8,543.59	1,569.26	1,175.96	393.30	3.990			
15,400.00	6,961.21	6,975.21	6,975.21	248.45	241.78	-89.82	-1,225.88	-8,543.59	1,490.88	1,088.25	402.64	3.703			
15,500.00	6,961.47	6,975.47	6,975.47	251.28	241.79	-89.83	-1,225.88	-8,543.59	1,415.24	1,002.52	412.72	3.429			
15,600.00	6,961.74	6,975.74	6,975.74	254.11	241.80	-89.85	-1,225.88	-8,543.59	1,342.78	919.24	423.54	3.170			
15,700.00	6,962.01	6,976.01	6,976.01	256.94	241.81	-89.86	-1,225.88	-8,543.59	1,274.06	838.98	435.08	2.928			
15,800.00	6,962.27	6,976.27	6,976.27	259.77	241.82	-89.88	-1,225.88	-8,543.59	1,209.70	762.48	447.22	2.705			
15,900.00	6,962.54	6,976.54	6,976.54	262.61	241.83	-89.90	-1,225.88	-8,543.59	1,150.45	690.64	459.81	2.502			
16,000.00	6,962.80	6,976.80	6,976.80	265.44	241.84	-89.91	-1,225.88	-8,543.59	1,097.13	624.58	472.55	2.322			
16,100.00	6,963.07	6,977.07	6,977.07	268.28	241.85	-89.93	-1,225.88	-8,543.59	1,050.64	565.59	485.05	2.166			
16,200.00	6,963.34	6,977.34	6,977.34	271.11	241.86	-89.94	-1,225.88	-8,543.59	1,011.93	515.15	496.78	2.037			
16,300.00	6,963.60	6,977.60	6,977.60	273.95	241.87	-89.96	-1,225.88	-8,543.59	981.92	474.79	507.13	1.936			
16,400.00	6,963.87	6,977.87	6,977.87	276.78	241.87	-89.98	-1,225.88	-8,543.59	961.42	445.98	515.44	1.865			
16,500.00	6,964.13	6,978.13	6,978.13	279.62	241.88	-89.99	-1,225.88	-8,543.59	951.05	429.88	521.16	1.825			
16,549.21	6,964.27	6,978.27	6,978.27	281.01	241.89	-90.00	-1,225.88	-8,543.59	949.77	426.87	522.90	1.816 CC, ES			
16,600.00	6,964.40	6,978.40	6,978.40	282.46	241.89	-90.01	-1,225.88	-8,543.59	951.13	427.21	523.92	1.815 SF			
16,700.00	6,964.67	6,978.67	6,978.67	285.29	241.90	-90.02	-1,225.88	-8,543.59	961.67	438.03	523.63	1.837			
16,800.00	6,964.93	6,978.93	6,978.93	288.13	241.91	-90.04	-1,225.88	-8,543.59	982.32	461.83	520.50	1.887			
16,900.00	6,965.20	6,979.20	6,979.20	290.97	241.92	-90.06	-1,225.88	-8,543.59	1,012.48	497.53	514.95	1.966			
17,000.00	6,965.46	6,979.46	6,979.46	293.81	241.93	-90.07	-1,225.88	-8,543.59	1,051.32	543.76	507.56	2.071			
17,100.00	6,965.73	6,979.73	6,979.73	296.65	241.94	-90.09	-1,225.88	-8,543.59	1,097.92	599.02	498.90	2.201			
17,200.00	6,966.00	6,980.00	6,980.00	299.49	241.95	-90.10	-1,225.88	-8,543.59	1,151.34	661.83	489.51	2.352			
17,300.00	6,966.26	6,980.26	6,980.26	302.32	241.96	-90.12	-1,225.88	-8,543.59	1,210.68	730.86	479.83	2.523			
17,400.00	6,966.53	6,980.53	6,980.53	305.16	241.97	-90.14	-1,225.88	-8,543.59	1,275.11	804.95	470.16	2.712			
17,500.00	6,966.80	6,980.80	6,980.80	308.00	241.98	-90.15	-1,225.88	-8,543.59	1,343.90	883.15	460.75	2.917			
17,600.00	6,967.06	6,981.06	6,981.06	310.85	241.99	-90.17	-1,225.88	-8,543.59	1,416.41	964.68	451.73	3.136			
17,700.00	6,967.33	6,981.33	6,981.33	313.69	242.00	-90.18	-1,225.88	-8,543.59	1,492.10	1,048.92	443.19	3.367			
17,800.00	6,967.59	6,981.59	6,981.59	316.53	242.00	-90.20	-1,225.88	-8,543.59	1,570.52	1,135.36	435.16	3.609			
17,900.00	6,967.86	6,981.86	6,981.86	319.37	242.01	-90.22	-1,225.88	-8,543.59	1,651.27	1,223.61	427.66	3.861			
18,000.00	6,968.13	6,982.13	6,982.13	322.21	242.02	-90.23	-1,225.88	-8,543.59	1,734.03	1,313.35	420.67	4.122			
18,100.00	6,968.39	6,982.39	6,982.39	325.05	242.03	-90.25	-1,225.88	-8,543.59	1,818.52	1,404.34	414.18	4.391			
18,200.00	6,968.66	6,982.66	6,982.66	327.90	242.04	-90.26	-1,225.88	-8,543.59	1,904.51	1,496.35	408.15	4.666			
18,300.00	6,968.92	6,982.92	6,982.92	330.74	242.05	-90.28	-1,225.88	-8,543.59	1,991.81	1,589.25	402.56	4.948			
18,400.00	6,969.19	6,983.19	6,983.19	333.58	242.06	-90.30	-1,225.88	-8,543.59	2,080.26	1,682.88	397.38	5.235			
18,500.00	6,969.46	6,983.46	6,983.46	336.43	242.07	-90.31	-1,225.88	-8,543.59	2,169.71	1,777.14	392.56	5.527			
18,600.00	6,969.72	6,983.72	6,983.72	339.27	242.08	-90.33	-1,225.88	-8,543.59	2,260.04	1,871.95	388.09	5.824			
18,704.56	6,970.00	6,984.00	6,984.00	342.24	242.09	-90.35	-1,225.88	-8,543.59	2,355.33	1,971.58	383.74	6.138			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-80.08	1,473.96	-8,427.25	8,555.18					
100.00	100.00	126.00	126.00	3.28	4.22	-80.08	1,473.96	-8,427.25	8,555.18	8,547.67	7.50	1,140.170		
200.00	200.00	226.00	226.00	3.34	6.96	-80.08	1,473.96	-8,427.25	8,555.18	8,544.87	10.30	830.448		
300.00	299.98	325.98	325.98	3.44	10.18	179.92	1,473.96	-8,427.25	8,556.92	8,543.30	13.62	628.269		
400.00	399.84	425.84	425.84	3.60	13.52	179.92	1,473.96	-8,427.25	8,562.15	8,545.03	17.12	500.037		
500.00	499.45	525.45	525.45	3.80	16.92	179.92	1,473.96	-8,427.25	8,570.87	8,550.15	20.72	413.616		
600.00	598.70	624.70	624.70	4.05	20.33	179.92	1,473.96	-8,427.25	8,583.06	8,558.68	24.38	352.094		
700.00	697.47	723.47	723.47	4.33	23.74	179.92	1,473.96	-8,427.25	8,598.70	8,570.63	28.07	306.365		
803.50	799.05	825.05	825.05	4.67	27.26	179.92	1,473.96	-8,427.25	8,618.51	8,586.60	31.91	270.129		
900.00	893.41	919.41	919.41	5.02	30.53	179.92	1,473.96	-8,427.25	8,638.69	8,603.19	35.50	243.362		
1,000.00	991.20	1,017.20	1,017.20	5.41	33.92	179.92	1,473.96	-8,427.25	8,659.60	8,620.36	39.24	220.694		
1,100.00	1,088.99	1,114.99	1,114.99	5.81	37.32	179.92	1,473.96	-8,427.25	8,680.51	8,637.51	43.00	201.875		
1,200.00	1,186.78	1,212.78	1,212.78	6.23	40.73	179.92	1,473.96	-8,427.25	8,701.42	8,654.64	46.78	186.018		
1,300.00	1,284.57	1,310.57	1,310.57	6.67	44.13	179.92	1,473.96	-8,427.25	8,722.33	8,671.76	50.57	172.485		
1,400.00	1,382.36	1,408.36	1,408.36	7.12	47.53	179.92	1,473.96	-8,427.25	8,743.24	8,688.87	54.37	160.806		
1,500.00	1,480.15	1,506.15	1,506.15	7.57	50.94	179.92	1,473.96	-8,427.25	8,764.15	8,705.97	58.18	150.630		
1,600.00	1,577.94	1,603.94	1,603.94	8.03	54.35	179.92	1,473.96	-8,427.25	8,785.06	8,723.06	62.00	141.688		
1,700.00	1,675.73	1,701.73	1,701.73	8.50	57.76	179.92	1,473.96	-8,427.25	8,805.97	8,740.14	65.83	133.771		
1,800.00	1,773.52	1,800.48	1,799.52	8.98	61.20	179.92	1,473.96	-8,427.25	8,826.88	8,757.19	69.69	126.652		
1,900.00	1,871.31	1,902.69	1,897.31	9.45	64.76	179.92	1,473.96	-8,427.25	8,847.79	8,774.11	73.68	120.076		
2,000.00	1,969.10	2,004.91	1,995.10	9.94	68.32	179.92	1,473.96	-8,427.25	8,868.70	8,791.02	77.68	114.171		
2,100.00	2,066.88	2,107.12	2,092.88	10.42	71.89	179.92	1,473.96	-8,427.25	8,889.61	8,807.94	81.68	108.838		
2,200.00	2,164.67	2,209.33	2,190.67	10.91	75.45	179.92	1,473.96	-8,427.25	8,910.53	8,824.85	85.68	103.999		
2,300.00	2,262.46	2,288.46	2,288.46	11.40	78.21	179.92	1,473.96	-8,427.25	8,931.44	8,842.56	88.88	100.490		
2,400.00	2,360.25	2,386.25	2,386.25	11.89	81.62	179.92	1,473.96	-8,427.25	8,952.35	8,859.62	92.73	96.541		
2,500.00	2,458.04	2,484.04	2,484.04	12.39	85.04	179.92	1,473.96	-8,427.25	8,973.26	8,876.67	96.58	92.905		
2,600.00	2,555.83	2,581.83	2,581.83	12.88	88.45	179.92	1,473.96	-8,427.25	8,994.17	8,893.73	100.44	89.547		
2,700.00	2,653.62	2,679.62	2,679.62	13.38	91.86	179.92	1,473.96	-8,427.25	9,015.08	8,910.78	104.30	86.435		
2,800.00	2,751.41	2,777.41	2,777.41	13.88	95.27	179.92	1,473.96	-8,427.25	9,035.99	8,927.83	108.16	83.544		
2,900.00	2,849.20	2,875.20	2,875.20	14.38	98.68	179.92	1,473.96	-8,427.25	9,056.90	8,944.88	112.02	80.851		
3,000.00	2,946.99	2,972.99	2,972.99	14.88	102.09	179.92	1,473.96	-8,427.25	9,077.81	8,961.93	115.88	78.337		
3,100.00	3,044.78	3,070.78	3,070.78	15.38	105.51	179.92	1,473.96	-8,427.25	9,098.72	8,978.98	119.74	75.985		
3,200.00	3,142.57	3,168.57	3,168.57	15.89	108.92	179.92	1,473.96	-8,427.25	9,119.63	8,996.02	123.61	73.779		
3,300.00	3,240.36	3,266.36	3,266.36	16.39	112.33	179.92	1,473.96	-8,427.25	9,140.54	9,013.07	127.47	71.706		
3,400.00	3,338.15	3,364.15	3,364.15	16.89	115.74	179.92	1,473.96	-8,427.25	9,161.45	9,030.11	131.34	69.754		
3,500.00	3,435.93	3,461.93	3,461.93	17.40	119.16	179.92	1,473.96	-8,427.25	9,182.36	9,047.16	135.21	67.914		
3,600.00	3,533.72	3,559.72	3,559.72	17.90	122.57	179.92	1,473.96	-8,427.25	9,203.27	9,064.20	139.07	66.176		
3,700.00	3,631.51	3,657.51	3,657.51	18.41	125.98	179.92	1,473.96	-8,427.25	9,224.18	9,081.24	142.94	64.532		
3,800.00	3,729.30	3,755.30	3,755.30	18.92	129.39	179.93	1,473.96	-8,427.25	9,245.10	9,098.29	146.81	62.974		
3,900.00	3,827.09	3,853.09	3,853.09	19.42	132.81	179.93	1,473.96	-8,427.25	9,266.01	9,115.33	150.68	61.495		
4,000.00	3,924.88	3,950.88	3,950.88	19.93	136.22	179.93	1,473.96	-8,427.25	9,286.92	9,132.37	154.55	60.091		
4,100.00	4,022.67	4,048.67	4,048.67	20.44	139.63	179.93	1,473.96	-8,427.25	9,307.83	9,149.41	158.42	58.755		
4,200.00	4,120.46	4,146.46	4,146.46	20.95	143.05	179.93	1,473.96	-8,427.25	9,328.74	9,166.45	162.29	57.483		
4,300.00	4,218.25	4,244.25	4,244.25	21.46	146.46	179.93	1,473.96	-8,427.25	9,349.65	9,183.49	166.16	56.269		
4,400.00	4,316.04	4,342.04	4,342.04	21.97	149.87	179.93	1,473.96	-8,427.25	9,370.56	9,200.53	170.03	55.111		
4,500.00	4,413.83	4,439.83	4,439.83	22.48	153.28	179.93	1,473.96	-8,427.25	9,391.47	9,217.57	173.90	54.004		
4,600.00	4,511.62	4,537.62	4,537.62	22.99	156.70	179.93	1,473.96	-8,427.25	9,412.38	9,234.61	177.77	52.946		
4,700.00	4,609.41	4,635.41	4,635.41	23.50	160.11	179.93	1,473.96	-8,427.25	9,433.29	9,251.64	181.65	51.932		
4,800.00	4,707.20	4,733.20	4,733.20	24.01	163.52	179.93	1,473.96	-8,427.25	9,454.20	9,268.68	185.52	50.961		
4,900.00	4,804.98	4,830.98	4,830.98	24.52	166.94	179.93	1,473.96	-8,427.25	9,475.11	9,285.72	189.39	50.029		
5,000.00	4,902.77	4,928.77	4,928.77	25.03	170.35	179.93	1,473.96	-8,427.25	9,496.02	9,302.76	193.27	49.135		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.00	5,000.56	5,026.56	5,026.56	25.54	173.76	179.93	1,473.96	-8,427.25	9,516.93	9,319.80	197.14	48.275		
5,200.00	5,098.35	5,124.35	5,124.35	26.05	177.18	179.93	1,473.96	-8,427.25	9,537.84	9,336.83	201.01	47.449		
5,300.00	5,196.14	5,222.14	5,222.14	26.56	180.59	179.93	1,473.96	-8,427.25	9,558.75	9,353.87	204.89	46.654		
5,400.00	5,293.93	5,319.93	5,319.93	27.07	184.00	179.93	1,473.96	-8,427.25	9,579.67	9,370.91	208.76	45.888		
5,500.00	5,391.72	5,417.72	5,417.72	27.58	187.42	179.93	1,473.96	-8,427.25	9,600.58	9,387.94	212.63	45.151		
5,600.00	5,489.51	5,515.51	5,515.51	28.09	190.83	179.93	1,473.96	-8,427.25	9,621.49	9,404.98	216.51	44.439		
5,700.00	5,587.30	5,613.30	5,613.30	28.61	194.24	179.93	1,473.96	-8,427.25	9,642.40	9,422.01	220.38	43.753		
5,800.00	5,685.09	5,711.09	5,711.09	29.12	197.66	179.93	1,473.96	-8,427.25	9,663.31	9,439.05	224.26	43.090		
5,900.00	5,782.88	5,808.88	5,808.88	29.63	201.07	179.93	1,473.96	-8,427.25	9,684.22	9,456.09	228.13	42.450		
6,000.00	5,880.67	5,906.67	5,906.67	30.14	204.48	179.93	1,473.96	-8,427.25	9,705.13	9,473.12	232.01	41.831		
6,100.00	5,978.46	6,004.46	6,004.46	30.65	207.90	179.93	1,473.96	-8,427.25	9,726.04	9,490.16	235.88	41.232		
6,200.00	6,076.25	6,102.25	6,102.25	31.17	211.31	179.93	1,473.96	-8,427.25	9,746.95	9,507.19	239.76	40.653		
6,298.86	6,172.92	6,201.08	6,198.92	31.67	214.76	179.93	1,473.96	-8,427.25	9,767.62	9,523.96	243.67	40.086		
6,300.00	6,174.03	6,200.03	6,200.03	31.68	214.72	179.84	1,473.96	-8,427.25	9,767.86	9,524.22	243.64	40.092		
6,350.00	6,223.30	6,249.30	6,249.30	31.92	216.44	173.56	1,473.96	-8,427.25	9,776.33	9,530.75	245.58	39.809		
6,400.00	6,273.06	6,300.94	6,299.06	32.13	218.25	152.09	1,473.96	-8,427.25	9,780.97	9,533.38	247.60	39.504		
6,450.00	6,323.01	6,349.01	6,349.01	32.32	219.92	61.67	1,473.96	-8,427.25	9,781.75	9,532.29	249.47	39.211		
6,500.00	6,372.84	6,401.16	6,398.84	32.48	221.74	29.48	1,473.96	-8,427.25	9,778.68	9,527.22	251.46	38.888		
6,550.00	6,422.24	6,448.24	6,448.24	32.65	223.39	21.86	1,473.96	-8,427.25	9,771.75	9,518.50	253.25	38.585		
6,600.00	6,470.92	6,503.08	6,496.92	32.83	225.30	18.76	1,473.96	-8,427.25	9,761.03	9,505.73	255.30	38.233		
6,650.00	6,518.56	6,544.56	6,544.56	33.01	226.75	17.24	1,473.96	-8,427.25	9,746.58	9,489.71	256.87	37.944		
6,700.00	6,564.89	6,609.11	6,590.89	33.21	229.00	16.47	1,473.96	-8,427.25	9,728.49	9,469.26	259.22	37.530		
6,750.00	6,609.60	6,635.60	6,635.60	33.43	229.93	16.17	1,473.96	-8,427.25	9,706.86	9,446.63	260.23	37.301		
6,800.00	6,652.43	6,678.43	6,678.43	33.66	231.42	16.20	1,473.96	-8,427.25	9,681.84	9,420.05	261.79	36.983		
6,850.00	6,693.10	6,719.10	6,719.10	33.91	232.84	16.51	1,473.96	-8,427.25	9,653.58	9,390.32	263.26	36.669		
6,900.00	6,731.38	6,757.38	6,757.38	34.20	234.18	17.08	1,473.96	-8,427.25	9,622.25	9,357.62	264.64	36.360		
6,950.00	6,767.02	6,806.98	6,793.02	34.51	235.91	17.95	1,473.96	-8,427.25	9,588.06	9,321.66	266.40	35.992		
7,000.00	6,799.81	6,825.81	6,825.81	34.85	236.57	19.15	1,473.96	-8,427.25	9,551.20	9,284.13	267.07	35.763		
7,050.00	6,829.54	6,855.54	6,855.54	35.24	237.60	20.77	1,473.96	-8,427.25	9,511.92	9,243.80	268.12	35.476		
7,100.00	6,856.03	6,882.03	6,882.03	35.66	238.53	22.94	1,473.96	-8,427.25	9,470.44	9,201.40	269.05	35.200		
7,150.00	6,879.11	6,905.11	6,905.11	36.12	239.33	25.89	1,473.96	-8,427.25	9,427.04	9,157.18	269.85	34.934		
7,200.00	6,898.65	6,924.65	6,924.65	36.62	240.02	29.98	1,473.96	-8,427.25	9,381.97	9,111.44	270.54	34.679		
7,250.00	6,914.51	6,940.51	6,940.51	37.15	240.57	35.81	1,473.96	-8,427.25	9,335.52	9,064.43	271.09	34.437		
7,300.00	6,926.62	6,952.62	6,952.62	37.73	240.99	44.42	1,473.96	-8,427.25	9,287.97	9,016.45	271.52	34.208		
7,350.00	6,934.88	6,960.88	6,960.88	38.34	241.28	57.39	1,473.96	-8,427.25	9,239.62	8,967.80	271.82	33.992		
7,400.00	6,939.26	6,965.26	6,965.26	38.97	241.43	76.12	1,473.96	-8,427.25	9,190.76	8,918.77	271.99	33.791		
7,429.12	6,940.00	6,966.00	6,966.00	39.34	241.46	89.22	1,473.96	-8,427.25	9,162.19	8,890.16	272.03	33.681		
7,500.00	6,940.19	6,966.19	6,966.19	40.31	241.47	89.22	1,473.96	-8,427.25	9,092.62	8,820.54	272.08	33.419		
7,600.00	6,940.46	6,966.46	6,966.46	41.80	241.48	89.23	1,473.96	-8,427.25	8,994.51	8,722.35	272.16	33.048		
7,700.00	6,940.72	6,966.72	6,966.72	43.43	241.49	89.24	1,473.96	-8,427.25	8,896.45	8,624.18	272.26	32.676		
7,800.00	6,940.99	6,966.99	6,966.99	45.19	241.49	89.25	1,473.96	-8,427.25	8,798.42	8,526.04	272.38	32.302		
7,900.00	6,941.25	6,967.25	6,967.25	47.05	241.50	89.26	1,473.96	-8,427.25	8,700.44	8,427.94	272.51	31.928		
8,000.00	6,941.52	6,967.52	6,967.52	49.02	241.51	89.27	1,473.96	-8,427.25	8,602.51	8,329.86	272.65	31.551		
8,100.00	6,941.79	6,967.79	6,967.79	51.06	241.52	89.27	1,473.96	-8,427.25	8,504.62	8,231.81	272.82	31.173		
8,200.00	6,942.05	6,968.05	6,968.05	53.18	241.53	89.28	1,473.96	-8,427.25	8,406.79	8,133.79	273.00	30.794		
8,300.00	6,942.32	6,968.32	6,968.32	55.37	241.54	89.29	1,473.96	-8,427.25	8,309.00	8,035.80	273.20	30.414		
8,400.00	6,942.58	6,968.58	6,968.58	57.62	241.55	89.30	1,473.96	-8,427.25	8,211.27	7,937.85	273.42	30.031		
8,500.00	6,942.85	6,968.85	6,968.85	59.92	241.56	89.31	1,473.96	-8,427.25	8,113.60	7,839.93	273.67	29.648		
8,600.00	6,943.12	6,969.12	6,969.12	62.26	241.57	89.32	1,473.96	-8,427.25	8,015.98	7,742.05	273.93	29.263		
8,700.00	6,943.38	6,969.38	6,969.38	64.65	241.58	89.33	1,473.96	-8,427.25	7,918.42	7,644.20	274.22	28.876		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #10-1(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	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	6,943.65	6,969.65	6,969.65	67.08	241.59	89.34	1,473.96	-8,427.25	7,820.92	7,546.39	274.53	28.488					
8,900.00	6,943.91	6,969.91	6,969.91	69.53	241.60	89.34	1,473.96	-8,427.25	7,723.49	7,448.62	274.87	28.099					
9,000.00	6,944.18	6,970.18	6,970.18	72.02	241.61	89.35	1,473.96	-8,427.25	7,626.12	7,350.89	275.23	27.708					
9,100.00	6,944.45	6,970.45	6,970.45	74.54	241.62	89.36	1,473.96	-8,427.25	7,528.83	7,253.20	275.63	27.315					
9,200.00	6,944.71	6,970.71	6,970.71	77.07	241.62	89.37	1,473.96	-8,427.25	7,431.60	7,155.56	276.04	26.922					
9,300.00	6,944.98	6,970.98	6,970.98	79.63	241.63	89.38	1,473.96	-8,427.25	7,334.45	7,057.96	276.49	26.527					
9,400.00	6,945.24	6,971.24	6,971.24	82.21	241.64	89.39	1,473.96	-8,427.25	7,237.38	6,960.41	276.97	26.131					
9,500.00	6,945.51	6,971.51	6,971.51	84.81	241.65	89.40	1,473.96	-8,427.25	7,140.38	6,862.90	277.48	25.733					
9,600.00	6,945.78	6,971.78	6,971.78	87.43	241.66	89.41	1,473.96	-8,427.25	7,043.48	6,765.45	278.02	25.334					
9,700.00	6,946.04	6,972.04	6,972.04	90.05	241.67	89.41	1,473.96	-8,427.25	6,946.65	6,668.06	278.60	24.934					
9,800.00	6,946.31	6,972.31	6,972.31	92.70	241.68	89.42	1,473.96	-8,427.25	6,849.92	6,570.72	279.21	24.533					
9,900.00	6,946.57	6,972.57	6,972.57	95.35	241.69	89.43	1,473.96	-8,427.25	6,753.29	6,473.43	279.86	24.131					
10,000.00	6,946.84	6,972.84	6,972.84	98.02	241.70	89.44	1,473.96	-8,427.25	6,656.76	6,376.21	280.54	23.728					
10,100.00	6,947.11	6,973.11	6,973.11	100.70	241.71	89.45	1,473.96	-8,427.25	6,560.32	6,279.06	281.26	23.324					
10,200.00	6,947.37	6,973.37	6,973.37	103.38	241.72	89.46	1,473.96	-8,427.25	6,464.00	6,181.97	282.03	22.920					
10,300.00	6,947.64	6,973.64	6,973.64	106.08	241.73	89.47	1,473.96	-8,427.25	6,367.79	6,084.96	282.83	22.514					
10,400.00	6,947.90	6,973.90	6,973.90	108.78	241.74	89.48	1,473.96	-8,427.25	6,271.70	5,988.02	283.68	22.108					
10,500.00	6,948.17	6,974.17	6,974.17	111.49	241.75	89.48	1,473.96	-8,427.25	6,175.73	5,891.16	284.58	21.701					
10,600.00	6,948.44	6,974.44	6,974.44	114.21	241.75	89.49	1,473.96	-8,427.25	6,079.90	5,794.38	285.52	21.294					
10,700.00	6,948.70	6,974.70	6,974.70	116.94	241.76	89.50	1,473.96	-8,427.25	5,984.20	5,697.69	286.51	20.887					
10,800.00	6,948.97	6,974.97	6,974.97	119.67	241.77	89.51	1,473.96	-8,427.25	5,888.64	5,601.09	287.55	20.479					
10,900.00	6,949.24	6,975.24	6,975.24	122.41	241.78	89.52	1,473.96	-8,427.25	5,793.23	5,504.59	288.64	20.071					
11,000.00	6,949.50	6,975.50	6,975.50	125.15	241.79	89.53	1,473.96	-8,427.25	5,697.98	5,408.20	289.79	19.663					
11,100.00	6,949.77	6,975.77	6,975.77	127.90	241.80	89.54	1,473.96	-8,427.25	5,602.90	5,311.91	290.99	19.255					
11,200.00	6,950.03	6,976.03	6,976.03	130.65	241.81	89.54	1,473.96	-8,427.25	5,507.99	5,215.74	292.25	18.847					
11,300.00	6,950.30	6,976.30	6,976.30	133.41	241.82	89.55	1,473.96	-8,427.25	5,413.26	5,119.69	293.57	18.439					
11,400.00	6,950.57	6,976.57	6,976.57	136.17	241.83	89.56	1,473.96	-8,427.25	5,318.73	5,023.77	294.96	18.032					
11,500.00	6,950.83	6,976.83	6,976.83	138.94	241.84	89.57	1,473.96	-8,427.25	5,224.39	4,927.99	296.41	17.626					
11,600.00	6,951.10	6,977.10	6,977.10	141.71	241.85	89.58	1,473.96	-8,427.25	5,130.28	4,832.35	297.93	17.220					
11,700.00	6,951.36	6,977.36	6,977.36	144.48	241.86	89.59	1,473.96	-8,427.25	5,036.39	4,736.87	299.52	16.815					
11,800.00	6,951.63	6,977.63	6,977.63	147.26	241.87	89.60	1,473.96	-8,427.25	4,942.74	4,641.55	301.19	16.411					
11,900.00	6,951.90	6,977.90	6,977.90	150.03	241.88	89.61	1,473.96	-8,427.25	4,849.34	4,546.41	302.94	16.008					
12,000.00	6,952.16	6,978.16	6,978.16	152.82	241.88	89.61	1,473.96	-8,427.25	4,756.22	4,451.45	304.77	15.606					
12,100.00	6,952.43	6,978.43	6,978.43	155.60	241.89	89.62	1,473.96	-8,427.25	4,663.37	4,356.69	306.68	15.206					
12,200.00	6,952.69	6,978.69	6,978.69	158.39	241.90	89.63	1,473.96	-8,427.25	4,570.83	4,262.15	308.69	14.807					
12,300.00	6,952.96	6,978.96	6,978.96	161.18	241.91	89.64	1,473.96	-8,427.25	4,478.61	4,167.83	310.78	14.411					
12,400.00	6,953.23	6,979.23	6,979.23	163.97	241.92	89.65	1,473.96	-8,427.25	4,386.73	4,073.75	312.98	14.016					
12,500.00	6,953.49	6,979.49	6,979.49	166.77	241.93	89.66	1,473.96	-8,427.25	4,295.22	3,979.93	315.29	13.623					
12,600.00	6,953.76	6,979.76	6,979.76	169.56	241.94	89.67	1,473.96	-8,427.25	4,204.09	3,886.39	317.70	13.233					
12,700.00	6,954.02	6,980.02	6,980.02	172.36	241.95	89.68	1,473.96	-8,427.25	4,113.37	3,793.14	320.23	12.845					
12,800.00	6,954.29	6,980.29	6,980.29	175.16	241.96	89.68	1,473.96	-8,427.25	4,023.09	3,700.21	322.88	12.460					
12,900.00	6,954.56	6,980.56	6,980.56	177.97	241.97	89.69	1,473.96	-8,427.25	3,933.28	3,607.63	325.65	12.078					
13,000.00	6,954.82	6,980.82	6,980.82	180.77	241.98	89.70	1,473.96	-8,427.25	3,843.98	3,515.42	328.56	11.699					
13,100.00	6,955.09	6,981.09	6,981.09	183.58	241.99	89.71	1,473.96	-8,427.25	3,755.21	3,423.60	331.61	11.324					
13,200.00	6,955.35	6,981.35	6,981.35	186.38	242.00	89.72	1,473.96	-8,427.25	3,667.03	3,332.21	334.81	10.952					
13,300.00	6,955.62	6,981.62	6,981.62	189.19	242.01	89.73	1,473.96	-8,427.25	3,579.46	3,241.29	338.17	10.585					
13,400.00	6,955.89	6,981.89	6,981.89	192.00	242.01	89.74	1,473.96	-8,427.25	3,492.56	3,150.87	341.69	10.221					
13,500.00	6,956.15	6,982.15	6,982.15	194.82	242.02	89.75	1,473.96	-8,427.25	3,406.38	3,061.00	345.38	9.863					
13,600.00	6,956.42	6,982.42	6,982.42	197.63	242.03	89.75	1,473.96	-8,427.25	3,320.98	2,971.72	349.26	9.509					
13,700.00	6,956.68	6,982.68	6,982.68	200.44	242.04	89.76	1,473.96	-8,427.25	3,236.41	2,883.09	353.32	9.160					
13,800.00	6,956.95	6,982.95	6,982.95	203.26	242.05	89.77	1,473.96	-8,427.25	3,152.75	2,795.16	357.59	8.817					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	6,983.22	6,983.22	206.08	242.06	89.78	1,473.96	-8,427.25	3,070.06	2,708.00	362.06	8.479		
14,000.00	6,957.48	6,983.48	6,983.48	208.89	242.07	89.79	1,473.96	-8,427.25	2,988.43	2,621.68	366.75	8.148		
14,100.00	6,957.75	6,983.75	6,983.75	211.71	242.08	89.80	1,473.96	-8,427.25	2,907.95	2,536.28	371.67	7.824		
14,200.00	6,958.02	6,984.02	6,984.02	214.53	242.09	89.81	1,473.96	-8,427.25	2,828.72	2,451.90	376.82	7.507		
14,300.00	6,958.28	6,984.28	6,984.28	217.36	242.10	89.82	1,473.96	-8,427.25	2,750.84	2,368.62	382.22	7.197		
14,400.00	6,958.55	6,984.55	6,984.55	220.18	242.11	89.82	1,473.96	-8,427.25	2,674.43	2,286.56	387.86	6.895		
14,500.00	6,958.81	6,984.81	6,984.81	223.00	242.12	89.83	1,473.96	-8,427.25	2,599.62	2,205.86	393.76	6.602		
14,600.00	6,959.08	6,985.08	6,985.08	225.83	242.13	89.84	1,473.96	-8,427.25	2,526.55	2,126.64	399.92	6.318		
14,700.00	6,959.35	6,985.35	6,985.35	228.65	242.14	89.85	1,473.96	-8,427.25	2,455.39	2,049.06	406.32	6.043		
14,800.00	6,959.61	6,985.61	6,985.61	231.48	242.14	89.86	1,473.96	-8,427.25	2,386.29	1,973.31	412.98	5.778		
14,900.00	6,959.88	6,985.88	6,985.88	234.30	242.15	89.87	1,473.96	-8,427.25	2,319.45	1,899.57	419.88	5.524		
15,000.00	6,960.14	6,986.14	6,986.14	237.13	242.16	89.88	1,473.96	-8,427.25	2,255.06	1,828.07	426.99	5.281		
15,100.00	6,960.41	6,986.41	6,986.41	239.96	242.17	89.88	1,473.96	-8,427.25	2,193.34	1,759.03	434.31	5.050		
15,200.00	6,960.68	6,986.68	6,986.68	242.79	242.18	89.89	1,473.96	-8,427.25	2,134.53	1,692.73	441.79	4.831		
15,300.00	6,960.94	6,986.94	6,986.94	245.62	242.19	89.90	1,473.96	-8,427.25	2,078.86	1,629.46	449.40	4.626		
15,400.00	6,961.21	6,987.21	6,987.21	248.45	242.20	89.91	1,473.96	-8,427.25	2,026.60	1,569.52	457.08	4.434		
15,500.00	6,961.47	6,987.47	6,987.47	251.28	242.21	89.92	1,473.96	-8,427.25	1,978.02	1,513.25	464.77	4.256		
15,600.00	6,961.74	6,987.74	6,987.74	254.11	242.22	89.93	1,473.96	-8,427.25	1,933.39	1,461.01	472.39	4.093		
15,700.00	6,962.01	6,988.01	6,988.01	256.94	242.23	89.94	1,473.96	-8,427.25	1,893.01	1,413.16	479.85	3.945		
15,800.00	6,962.27	6,988.27	6,988.27	259.77	242.24	89.95	1,473.96	-8,427.25	1,857.13	1,370.08	487.05	3.813		
15,900.00	6,962.54	6,988.54	6,988.54	262.61	242.25	89.95	1,473.96	-8,427.25	1,826.03	1,332.13	493.90	3.697		
16,000.00	6,962.80	6,988.80	6,988.80	265.44	242.26	89.96	1,473.96	-8,427.25	1,799.95	1,299.68	500.27	3.598		
16,100.00	6,963.07	6,989.07	6,989.07	268.28	242.27	89.97	1,473.96	-8,427.25	1,779.12	1,273.06	506.06	3.516		
16,200.00	6,963.34	6,989.34	6,989.34	271.11	242.27	89.98	1,473.96	-8,427.25	1,763.73	1,252.55	511.18	3.450		
16,300.00	6,963.60	6,989.60	6,989.60	273.95	242.28	89.99	1,473.96	-8,427.25	1,753.91	1,238.38	515.53	3.402		
16,400.00	6,963.87	6,989.87	6,989.87	276.78	242.29	90.00	1,473.96	-8,427.25	1,749.75	1,230.71	519.05	3.371		
16,422.74	6,963.93	6,989.93	6,989.93	277.43	242.30	90.00	1,473.96	-8,427.25	1,749.61	1,229.88	519.72	3.366 CC		
16,500.00	6,964.13	7,009.87	6,990.13	279.62	242.99	90.01	1,473.96	-8,427.25	1,751.31	1,228.95	522.37	3.353 ES, SF		
16,600.00	6,964.40	7,009.60	6,990.40	282.46	242.98	90.02	1,473.96	-8,427.25	1,758.56	1,234.49	524.08	3.356		
16,700.00	6,964.67	7,009.33	6,990.67	285.29	242.97	90.02	1,473.96	-8,427.25	1,771.44	1,246.55	524.89	3.375		
16,800.00	6,964.93	7,009.07	6,990.93	288.13	242.96	90.03	1,473.96	-8,427.25	1,789.82	1,264.99	524.83	3.410		
16,900.00	6,965.20	7,008.80	6,991.20	290.97	242.95	90.04	1,473.96	-8,427.25	1,813.53	1,289.57	523.96	3.461		
17,000.00	6,965.46	7,008.54	6,991.46	293.81	242.95	90.05	1,473.96	-8,427.25	1,842.38	1,320.03	522.35	3.527		
17,100.00	6,965.73	7,008.27	6,991.73	296.65	242.94	90.06	1,473.96	-8,427.25	1,876.11	1,356.05	520.07	3.607		
17,200.00	6,966.00	7,008.00	6,992.00	299.49	242.93	90.07	1,473.96	-8,427.25	1,914.49	1,397.27	517.22	3.702		
17,300.00	6,966.26	7,007.74	6,992.26	302.32	242.92	90.08	1,473.96	-8,427.25	1,957.22	1,443.34	513.88	3.809		
17,400.00	6,966.53	7,007.47	6,992.53	305.16	242.91	90.09	1,473.96	-8,427.25	2,004.04	1,493.88	510.16	3.928		
17,500.00	6,966.80	7,007.21	6,992.80	308.00	242.90	90.09	1,473.96	-8,427.25	2,054.66	1,548.53	506.12	4.060		
17,600.00	6,967.06	7,006.94	6,993.06	310.85	242.89	90.10	1,473.96	-8,427.25	2,108.81	1,606.94	501.86	4.202		
17,700.00	6,967.33	7,006.67	6,993.33	313.69	242.88	90.11	1,473.96	-8,427.25	2,166.22	1,668.78	497.44	4.355		
17,800.00	6,967.59	7,006.41	6,993.59	316.53	242.87	90.12	1,473.96	-8,427.25	2,226.65	1,733.74	492.91	4.517		
17,900.00	6,967.86	7,006.14	6,993.86	319.37	242.86	90.13	1,473.96	-8,427.25	2,289.85	1,801.51	488.34	4.689		
18,000.00	6,968.13	7,005.87	6,994.13	322.21	242.85	90.14	1,473.96	-8,427.25	2,355.60	1,871.85	483.75	4.869		
18,100.00	6,968.39	7,005.61	6,994.39	325.05	242.84	90.15	1,473.96	-8,427.25	2,423.70	1,944.50	479.20	5.058		
18,200.00	6,968.66	7,005.34	6,994.66	327.90	242.83	90.15	1,473.96	-8,427.25	2,493.95	2,019.24	474.70	5.254		
18,300.00	6,968.92	7,005.08	6,994.92	330.74	242.82	90.16	1,473.96	-8,427.25	2,566.17	2,095.88	470.29	5.457		
18,400.00	6,969.19	7,004.81	6,995.19	333.58	242.82	90.17	1,473.96	-8,427.25	2,640.20	2,174.24	465.96	5.666		
18,500.00	6,969.46	7,004.54	6,995.46	336.43	242.81	90.18	1,473.96	-8,427.25	2,715.90	2,254.15	461.75	5.882		
18,600.00	6,969.72	7,004.28	6,995.72	339.27	242.80	90.19	1,473.96	-8,427.25	2,793.13	2,335.47	457.65	6.103		
18,704.56	6,970.00	7,004.00	6,996.00	342.24	242.79	90.20	1,473.96	-8,427.25	2,875.38	2,421.87	453.50	6.340		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
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	
0.00	0.00	0.00	0.00	3.28	3.28	-167.27	-2,741.03	-619.39	2,810.16					
100.00	100.00	83.30	83.30	3.28	3.28	-167.27	-2,741.15	-619.40	2,810.27	2,803.70	6.57	427.769		
200.00	200.00	188.35	188.35	3.34	3.33	-167.27	-2,741.41	-619.31	2,810.50	2,803.83	6.67	421.353		
300.00	299.98	282.26	282.26	3.44	3.43	92.75	-2,741.62	-619.15	2,810.76	2,803.89	6.87	409.165		
400.00	399.84	381.51	381.51	3.60	3.57	92.85	-2,741.95	-619.24	2,811.36	2,804.19	7.17	392.090		
500.00	499.45	483.83	483.83	3.80	3.77	93.02	-2,742.21	-619.42	2,812.10	2,804.53	7.57	371.575		
600.00	598.70	582.09	582.09	4.05	3.99	93.24	-2,742.43	-619.51	2,813.01	2,804.97	8.04	349.929		
700.00	697.47	692.46	692.46	4.33	4.28	93.57	-2,742.57	-619.44	2,814.06	2,805.45	8.61	326.739		
803.50	799.05	786.17	786.17	4.67	4.55	93.91	-2,742.55	-619.40	2,815.35	2,806.13	9.22	305.397		
900.00	893.41	877.04	877.03	5.02	4.83	94.30	-2,742.69	-619.61	2,817.04	2,807.19	9.85	286.133		
1,000.00	991.20	990.65	990.65	5.41	5.19	94.78	-2,742.74	-619.65	2,818.79	2,808.19	10.60	265.975		
1,100.00	1,088.99	1,079.25	1,079.25	5.81	5.49	95.15	-2,742.59	-619.58	2,820.46	2,809.15	11.30	249.544		
1,200.00	1,186.78	1,174.25	1,174.25	6.23	5.82	95.56	-2,742.69	-619.65	2,822.57	2,810.51	12.06	234.116		
1,300.00	1,284.57	1,270.07	1,270.06	6.67	6.17	95.96	-2,742.83	-619.68	2,824.87	2,812.03	12.84	220.080		
1,400.00	1,382.36	1,369.41	1,369.40	7.12	6.53	96.38	-2,743.03	-619.65	2,827.36	2,813.71	13.65	207.188		
1,500.00	1,480.15	1,467.86	1,467.86	7.57	6.90	96.79	-2,743.18	-619.54	2,829.93	2,815.46	14.47	195.582		
1,600.00	1,577.94	1,567.34	1,567.34	8.03	7.28	97.21	-2,743.32	-619.43	2,832.63	2,817.32	15.31	185.030		
1,700.00	1,675.73	1,663.99	1,663.98	8.50	7.65	97.61	-2,743.45	-619.20	2,835.44	2,819.29	16.15	175.587		
1,800.00	1,773.52	1,762.07	1,762.07	8.98	8.03	98.02	-2,743.53	-619.32	2,838.46	2,821.46	17.00	166.944		
1,900.00	1,871.31	1,867.10	1,867.10	9.45	8.44	98.45	-2,743.57	-619.15	2,841.51	2,823.62	17.89	158.819		
2,000.00	1,969.10	1,957.57	1,957.57	9.94	8.79	98.83	-2,743.42	-619.20	2,844.59	2,825.86	18.73	151.881		
2,100.00	2,066.88	2,048.54	2,048.54	10.42	9.16	99.22	-2,743.59	-619.49	2,848.23	2,828.65	19.58	145.503		
2,200.00	2,164.67	2,153.02	2,153.01	10.91	9.57	99.66	-2,743.72	-619.92	2,851.99	2,831.51	20.48	139.248		
2,300.00	2,262.46	2,256.48	2,256.47	11.40	9.99	100.09	-2,743.54	-620.26	2,855.60	2,834.22	21.39	133.518		
2,400.00	2,360.25	2,360.40	2,360.39	11.89	10.41	100.52	-2,743.29	-620.41	2,859.25	2,836.95	22.30	128.225		
2,500.00	2,458.04	2,461.53	2,461.52	12.39	10.82	100.94	-2,742.91	-620.21	2,862.80	2,839.60	23.20	123.387		
2,600.00	2,555.83	2,559.80	2,559.79	12.88	11.22	101.34	-2,742.54	-619.98	2,866.48	2,842.39	24.10	118.961		
2,700.00	2,653.62	2,655.33	2,655.32	13.38	11.61	101.73	-2,742.17	-619.77	2,870.31	2,845.33	24.98	114.897		
2,800.00	2,751.41	2,746.98	2,746.97	13.88	11.98	102.10	-2,742.05	-619.40	2,874.44	2,848.58	25.85	111.182		
2,900.00	2,849.20	2,842.77	2,842.76	14.38	12.38	102.49	-2,742.07	-619.19	2,878.92	2,852.17	26.74	107.644		
3,000.00	2,946.99	2,944.35	2,944.33	14.88	12.80	102.90	-2,741.83	-619.31	2,883.43	2,855.77	27.66	104.235		
3,100.00	3,044.78	3,039.34	3,039.33	15.38	13.19	103.29	-2,741.54	-619.47	2,888.06	2,859.51	28.55	101.143		
3,200.00	3,142.57	3,129.99	3,129.98	15.89	13.56	103.66	-2,741.56	-619.44	2,893.05	2,863.62	29.43	98.308		
3,300.00	3,240.36	3,222.78	3,222.77	16.39	13.95	104.03	-2,741.71	-619.60	2,898.38	2,868.07	30.31	95.616		
3,400.00	3,338.15	3,318.65	3,318.63	16.89	14.35	104.41	-2,742.07	-619.59	2,903.97	2,872.75	31.21	93.040		
3,500.00	3,435.93	3,414.89	3,414.87	17.40	14.75	104.79	-2,742.52	-619.50	2,909.74	2,877.63	32.11	90.607		
3,600.00	3,533.72	3,508.84	3,508.82	17.90	15.14	105.16	-2,743.04	-619.45	2,915.75	2,882.74	33.01	88.340		
3,700.00	3,631.51	3,601.85	3,601.83	18.41	15.53	105.53	-2,743.68	-619.47	2,922.04	2,888.14	33.89	86.209		
3,800.00	3,729.30	3,697.40	3,697.38	18.92	15.93	105.90	-2,744.44	-619.54	2,928.58	2,893.78	34.80	84.165		
3,900.00	3,827.09	3,798.06	3,798.03	19.42	16.35	106.29	-2,745.23	-619.61	2,935.24	2,899.52	35.72	82.173		
4,000.00	3,924.88	3,896.80	3,896.78	19.93	16.77	106.67	-2,745.98	-619.59	2,941.98	2,905.34	36.64	80.300		
4,100.00	4,022.67	3,988.37	3,988.34	20.44	17.15	107.02	-2,746.77	-619.55	2,948.92	2,911.40	37.52	78.594		
4,200.00	4,120.46	4,084.31	4,084.28	20.95	17.56	107.38	-2,747.74	-619.56	2,956.15	2,917.73	38.43	76.932		
4,300.00	4,218.25	4,183.16	4,183.12	21.46	17.97	107.75	-2,748.83	-619.41	2,963.52	2,924.17	39.34	75.324		
4,400.00	4,316.04	4,277.77	4,277.72	21.97	18.37	108.10	-2,749.97	-619.15	2,971.02	2,930.78	40.24	73.828		
4,500.00	4,413.83	4,380.62	4,380.56	22.48	18.80	108.49	-2,751.13	-619.03	2,978.67	2,937.49	41.18	72.333		
4,600.00	4,511.62	4,475.84	4,475.78	22.99	19.21	108.84	-2,751.93	-619.20	2,986.34	2,944.26	42.08	70.965		
4,700.00	4,609.41	4,574.26	4,574.19	23.50	19.62	109.22	-2,752.60	-619.84	2,994.22	2,951.22	43.00	69.635		
4,800.00	4,707.20	4,672.85	4,672.78	24.01	20.04	109.60	-2,753.31	-620.29	3,002.18	2,958.26	43.92	68.360		
4,900.00	4,804.98	4,777.60	4,777.53	24.52	20.48	109.98	-2,754.17	-620.39	3,010.17	2,965.31	44.86	67.095		
5,000.00	4,902.77	4,877.36	4,877.28	25.03	20.90	110.34	-2,755.09	-619.93	3,018.09	2,972.30	45.79	65.914		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,978.75	4,978.67	25.54	21.33	110.70	-2,755.96	-619.47	3,026.07	2,979.35	46.72	64.771		
5,200.00	5,098.35	5,081.44	5,081.36	26.05	21.77	111.07	-2,756.57	-619.14	3,034.02	2,986.37	47.66	63.663		
5,300.00	5,196.14	5,177.87	5,177.79	26.56	22.18	111.42	-2,757.00	-618.93	3,042.02	2,993.46	48.56	62.638		
5,400.00	5,293.93	5,276.24	5,276.15	27.07	22.59	111.78	-2,757.41	-618.85	3,050.18	3,000.70	49.48	61.642		
5,500.00	5,391.72	5,375.93	5,375.85	27.58	23.02	112.14	-2,757.75	-618.80	3,058.41	3,008.01	50.41	60.677		
5,600.00	5,489.51	5,470.03	5,469.95	28.09	23.41	112.47	-2,758.05	-618.79	3,066.77	3,015.47	51.30	59.780		
5,700.00	5,587.30	5,566.05	5,565.96	28.61	23.82	112.82	-2,758.44	-618.88	3,075.37	3,023.17	52.21	58.908		
5,800.00	5,685.09	5,661.79	5,661.70	29.12	24.23	113.16	-2,758.81	-619.06	3,084.13	3,031.02	53.11	58.070		
5,900.00	5,782.88	5,756.32	5,756.23	29.63	24.63	113.50	-2,759.14	-619.44	3,093.09	3,039.08	54.01	57.272		
6,000.00	5,880.67	5,853.84	5,853.75	30.14	25.04	113.86	-2,759.44	-620.03	3,102.25	3,047.33	54.92	56.488		
6,100.00	5,978.46	5,952.75	5,952.66	30.65	25.46	114.22	-2,759.53	-620.86	3,111.49	3,055.65	55.84	55.725		
6,200.00	6,076.25	6,047.67	6,047.57	31.17	25.86	114.57	-2,759.35	-622.04	3,120.86	3,064.12	56.73	55.009		
6,298.86	6,172.92	6,142.56	6,142.45	31.67	26.27	114.92	-2,759.18	-623.43	3,130.36	3,072.74	57.63	54.322		
6,300.00	6,174.03	6,143.71	6,143.60	31.68	26.27	114.85	-2,759.17	-623.45	3,130.47	3,072.84	57.64	54.314		
6,350.00	6,223.30	6,194.63	6,194.51	31.92	26.49	109.13	-2,759.01	-624.25	3,134.12	3,076.03	58.09	53.953		
6,400.00	6,273.06	6,245.75	6,245.62	32.13	26.70	87.93	-2,758.80	-625.08	3,135.46	3,076.94	58.52	53.580		
6,450.00	6,323.01	6,297.07	6,296.94	32.32	26.92	-2.51	-2,758.56	-625.91	3,134.48	3,075.56	58.92	53.198		
6,500.00	6,372.84	6,344.87	6,344.72	32.48	27.12	-35.02	-2,758.32	-626.71	3,131.20	3,071.92	59.29	52.816		
6,550.00	6,422.24	6,392.12	6,391.97	32.65	27.32	-43.25	-2,758.09	-627.56	3,125.68	3,066.03	59.65	52.403		
6,600.00	6,470.92	6,440.39	6,440.23	32.83	27.53	-47.26	-2,757.84	-628.47	3,117.95	3,057.93	60.02	51.950		
6,650.00	6,518.56	6,488.04	6,487.87	33.01	27.73	-50.00	-2,757.59	-629.39	3,108.05	3,047.66	60.39	51.464		
6,700.00	6,564.89	6,537.68	6,537.50	33.21	27.94	-52.32	-2,757.31	-630.35	3,096.08	3,035.29	60.79	50.933		
6,750.00	6,609.60	6,586.71	6,586.52	33.43	28.15	-54.53	-2,757.01	-631.24	3,082.08	3,020.89	61.19	50.369		
6,800.00	6,652.43	6,632.69	6,632.49	33.66	28.34	-56.76	-2,756.69	-632.02	3,066.21	3,004.62	61.59	49.782		
6,850.00	6,693.10	6,675.99	6,675.79	33.91	28.53	-59.07	-2,756.40	-632.70	3,048.65	2,986.65	62.00	49.170		
6,900.00	6,731.38	6,718.63	6,718.42	34.20	28.71	-61.53	-2,756.11	-633.30	3,029.56	2,967.13	62.43	48.527		
6,950.00	6,767.02	6,760.88	6,760.67	34.51	28.89	-64.16	-2,755.75	-633.86	3,009.09	2,946.21	62.88	47.853		
7,000.00	6,799.81	6,799.74	6,799.52	34.85	29.05	-66.92	-2,755.36	-634.33	2,987.46	2,924.11	63.35	47.160		
7,050.00	6,829.54	6,836.60	6,836.38	35.24	29.21	-69.81	-2,754.91	-634.76	2,964.88	2,901.04	63.84	46.445		
7,100.00	6,856.03	6,869.52	6,869.30	35.66	29.35	-72.79	-2,754.43	-635.14	2,941.57	2,877.23	64.34	45.716		
7,150.00	6,879.11	6,898.29	6,898.06	36.12	29.47	-75.80	-2,753.94	-635.47	2,917.79	2,852.91	64.87	44.977		
7,200.00	6,898.65	6,919.50	6,919.26	36.62	29.56	-78.72	-2,753.55	-635.72	2,893.76	2,828.35	65.41	44.241		
7,250.00	6,914.51	6,936.78	6,936.54	37.15	29.63	-81.59	-2,753.21	-635.95	2,869.75	2,803.77	65.97	43.500		
7,300.00	6,926.62	6,950.25	6,950.00	37.73	29.69	-84.35	-2,752.94	-636.15	2,845.95	2,779.39	66.56	42.760		
7,350.00	6,934.88	6,959.78	6,959.52	38.34	29.73	-86.97	-2,752.74	-636.30	2,822.59	2,755.42	67.16	42.025		
7,400.00	6,939.26	6,965.26	6,965.01	38.97	29.75	-89.41	-2,752.62	-636.39	2,799.85	2,732.06	67.79	41.302		
7,429.12	6,940.00	6,966.56	6,966.30	39.34	29.76	-90.73	-2,752.59	-636.41	2,786.97	2,718.81	68.16	40.889		
7,500.00	6,940.19	6,968.00	6,967.75	40.31	29.77	-90.77	-2,752.56	-636.43	2,756.71	2,687.60	69.11	39.889		
7,600.00	6,940.46	6,970.07	6,969.81	41.80	29.77	-90.81	-2,752.51	-636.47	2,716.59	2,645.98	70.61	38.473		
7,700.00	6,940.72	6,972.18	6,971.92	43.43	29.78	-90.86	-2,752.46	-636.50	2,679.60	2,607.32	72.28	37.071		
7,800.00	6,940.99	6,974.32	6,974.06	45.19	29.79	-90.91	-2,752.42	-636.54	2,645.88	2,571.76	74.11	35.701		
7,900.00	6,941.25	6,976.49	6,976.23	47.05	29.80	-90.96	-2,752.37	-636.58	2,615.54	2,539.46	76.08	34.377		
8,000.00	6,941.52	6,978.71	6,978.45	49.02	29.81	-91.01	-2,752.32	-636.62	2,588.71	2,510.54	78.18	33.114		
8,100.00	6,941.79	6,980.96	6,980.70	51.06	29.82	-91.06	-2,752.26	-636.65	2,565.50	2,485.13	80.37	31.921		
8,200.00	6,942.05	6,983.26	6,983.00	53.18	29.83	-91.11	-2,752.21	-636.70	2,546.01	2,463.37	82.64	30.808		
8,300.00	6,942.32	6,985.59	6,985.33	55.37	29.84	-91.17	-2,752.16	-636.74	2,530.32	2,445.35	84.97	29.778		
8,400.00	6,942.58	6,987.97	6,987.71	57.62	29.85	-91.22	-2,752.10	-636.78	2,518.50	2,431.17	87.34	28.836		
8,500.00	6,942.85	6,990.39	6,990.12	59.92	29.86	-91.28	-2,752.05	-636.82	2,510.62	2,420.90	89.72	27.984		
8,600.00	6,943.12	6,992.85	6,992.59	62.26	29.87	-91.33	-2,751.99	-636.87	2,506.70	2,414.61	92.09	27.221		
8,648.43	6,943.24	6,994.06	6,993.80	63.42	29.88	-91.36	-2,751.96	-636.89	2,506.23	2,413.00	93.23	26.882 CC		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	6,995.37	6,995.10	64.65	29.88	-91.39	-2,751.93	-636.92	2,506.76	2,412.33	94.43	26.546	ES	
8,800.00	6,943.65	6,997.92	6,997.65	67.08	29.89	-91.45	-2,751.87	-636.96	2,510.80	2,414.08	96.73	25.957		
8,900.00	6,943.91	7,000.56	7,000.29	69.53	29.90	-91.51	-2,751.80	-637.01	2,518.82	2,419.85	98.97	25.451		
9,000.00	6,944.18	7,003.38	7,003.11	72.02	29.92	-91.57	-2,751.74	-637.07	2,530.75	2,429.63	101.13	25.026		
9,100.00	6,944.45	7,006.23	7,005.96	74.54	29.93	-91.64	-2,751.67	-637.12	2,546.56	2,443.36	103.20	24.676		
9,200.00	6,944.71	7,009.13	7,008.86	77.07	29.94	-91.71	-2,751.59	-637.18	2,566.17	2,461.00	105.17	24.400		
9,300.00	6,944.98	7,012.07	7,011.79	79.63	29.95	-91.77	-2,751.52	-637.24	2,589.49	2,482.45	107.04	24.191		
9,400.00	6,945.24	7,015.05	7,014.77	82.21	29.97	-91.84	-2,751.45	-637.30	2,616.43	2,507.63	108.80	24.048		
9,500.00	6,945.51	7,018.07	7,017.79	84.81	29.98	-91.91	-2,751.37	-637.36	2,646.87	2,536.43	110.44	23.966		
9,600.00	6,945.78	7,021.13	7,020.85	87.43	29.99	-91.98	-2,751.29	-637.42	2,680.69	2,568.72	111.97	23.941	SF	
9,700.00	6,946.04	7,024.24	7,023.96	90.05	30.00	-92.05	-2,751.21	-637.48	2,717.78	2,604.39	113.38	23.970		
9,800.00	6,946.31	7,027.39	7,027.11	92.70	30.02	-92.12	-2,751.13	-637.55	2,757.99	2,643.30	114.68	24.049		
9,900.00	6,946.57	7,030.59	7,030.31	95.35	30.03	-92.20	-2,751.04	-637.61	2,801.19	2,685.31	115.87	24.174		
10,000.00	6,946.84	7,033.84	7,033.55	98.02	30.05	-92.27	-2,750.96	-637.68	2,847.24	2,730.28	116.96	24.344		
10,100.00	6,947.11	7,037.14	7,036.85	100.70	30.06	-92.35	-2,750.87	-637.75	2,896.02	2,778.08	117.94	24.555		
10,200.00	6,947.37	7,040.48	7,040.19	103.38	30.07	-92.42	-2,750.77	-637.82	2,947.38	2,828.55	118.82	24.804		
10,300.00	6,947.64	7,043.88	7,043.59	106.08	30.09	-92.50	-2,750.68	-637.89	3,001.19	2,881.57	119.62	25.089		
10,400.00	6,947.90	7,047.33	7,047.03	108.78	30.10	-92.58	-2,750.58	-637.97	3,057.32	2,936.99	120.33	25.408		
10,500.00	6,948.17	7,050.83	7,050.53	111.49	30.12	-92.66	-2,750.49	-638.04	3,115.65	2,994.69	120.96	25.757		
10,600.00	6,948.44	7,054.38	7,054.09	114.21	30.13	-92.74	-2,750.38	-638.12	3,176.05	3,054.53	121.52	26.136		
10,700.00	6,948.70	7,058.00	7,057.69	116.94	30.15	-92.82	-2,750.28	-638.20	3,238.42	3,116.40	122.01	26.542		
10,800.00	6,948.97	7,061.66	7,061.36	119.67	30.16	-92.91	-2,750.17	-638.28	3,302.63	3,180.18	122.44	26.973		
10,900.00	6,949.24	7,065.39	7,065.08	122.41	30.18	-92.99	-2,750.06	-638.36	3,368.58	3,245.76	122.82	27.428		
11,000.00	6,949.50	7,069.17	7,068.86	125.15	30.20	-93.08	-2,749.95	-638.45	3,436.18	3,313.04	123.14	27.905		
11,100.00	6,949.77	7,073.02	7,072.71	127.90	30.21	-93.17	-2,749.84	-638.54	3,505.32	3,381.90	123.42	28.402		
11,200.00	6,950.03	7,076.93	7,076.61	130.65	30.23	-93.25	-2,749.72	-638.63	3,575.92	3,452.27	123.65	28.920		
11,300.00	6,950.30	7,080.90	7,080.58	133.41	30.25	-93.35	-2,749.60	-638.72	3,647.89	3,524.05	123.85	29.455		
11,400.00	6,950.57	7,084.94	7,084.62	136.17	30.26	-93.44	-2,749.47	-638.82	3,721.16	3,597.15	124.01	30.007		
11,500.00	6,950.83	7,089.05	7,088.72	138.94	30.28	-93.53	-2,749.34	-638.91	3,795.64	3,671.50	124.14	30.576		
11,600.00	6,951.10	7,093.22	7,092.89	141.71	30.30	-93.63	-2,749.21	-639.01	3,871.27	3,747.03	124.24	31.159		
11,700.00	6,951.36	7,097.47	7,097.13	144.48	30.32	-93.72	-2,749.07	-639.12	3,947.98	3,823.66	124.32	31.757		
11,800.00	6,951.63	7,101.78	7,101.45	147.26	30.33	-93.82	-2,748.93	-639.22	4,025.71	3,901.34	124.38	32.367		
11,900.00	6,951.90	7,106.17	7,105.84	150.03	30.35	-93.92	-2,748.79	-639.33	4,104.41	3,979.99	124.41	32.990		
12,000.00	6,952.16	7,110.64	7,110.30	152.82	30.37	-94.02	-2,748.64	-639.44	4,184.01	4,059.58	124.43	33.625		
12,100.00	6,952.43	7,115.19	7,114.84	155.60	30.39	-94.13	-2,748.49	-639.55	4,264.46	4,140.03	124.43	34.271		
12,200.00	6,952.69	7,119.82	7,119.46	158.39	30.41	-94.23	-2,748.33	-639.67	4,345.73	4,221.30	124.42	34.927		
12,300.00	6,952.96	7,124.61	7,124.27	161.18	30.39	-94.12	-2,748.52	-639.53	4,427.77	4,303.39	124.39	35.597		
12,400.00	6,953.23	7,129.30	7,128.96	163.97	30.40	-94.18	-2,748.43	-639.60	4,510.53	4,386.18	124.35	36.273		
12,500.00	6,953.49	7,130.00	7,129.65	166.77	30.41	-94.24	-2,748.34	-639.67	4,593.97	4,469.67	124.30	36.958		
12,600.00	6,953.76	7,132.69	7,132.34	169.56	30.43	-94.30	-2,748.25	-639.73	4,678.06	4,553.81	124.25	37.651		
12,700.00	6,954.02	7,135.39	7,135.03	172.36	30.44	-94.36	-2,748.16	-639.80	4,762.77	4,638.58	124.19	38.351		
12,800.00	6,954.29	7,138.08	7,137.72	175.16	30.45	-94.42	-2,748.08	-639.86	4,848.05	4,723.93	124.12	39.059		
12,900.00	6,954.56	7,140.77	7,140.42	177.97	30.46	-94.48	-2,747.99	-639.93	4,933.89	4,809.84	124.05	39.774		
13,000.00	6,954.82	7,143.47	7,143.11	180.77	30.47	-94.55	-2,747.90	-639.99	5,020.25	4,896.28	123.97	40.495		
13,100.00	6,955.09	7,146.16	7,145.80	183.58	30.48	-94.61	-2,747.81	-640.06	5,107.10	4,983.21	123.89	41.223		
13,200.00	6,955.35	7,148.86	7,148.49	186.38	30.50	-94.67	-2,747.73	-640.13	5,194.43	5,070.62	123.81	41.956		
13,300.00	6,955.62	7,151.55	7,151.18	189.19	30.51	-94.73	-2,747.64	-640.19	5,282.20	5,158.49	123.72	42.695		
13,400.00	6,955.89	7,154.24	7,153.87	192.00	30.52	-94.79	-2,747.55	-640.26	5,370.41	5,246.78	123.63	43.439		
13,500.00	6,956.15	7,156.94	7,156.57	194.82	30.53	-94.85	-2,747.46	-640.32	5,459.01	5,335.47	123.54	44.188		
13,600.00	6,956.42	7,159.63	7,159.26	197.63	30.54	-94.91	-2,747.38	-640.39	5,548.01	5,424.56	123.45	44.942		
13,700.00	6,956.68	7,162.33	7,161.95	200.44	30.55	-94.98	-2,747.29	-640.45	5,637.37	5,514.01	123.36	45.700		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	7,155.02	7,154.64	203.26	30.57	-95.04	-2,747.20	-640.52	5,727.08	5,603.81	123.26	46.462		
13,900.00	6,957.22	7,157.72	7,157.33	206.08	30.58	-95.10	-2,747.11	-640.59	5,817.12	5,693.95	123.17	47.228		
14,000.00	6,957.48	7,160.41	7,160.03	208.89	30.59	-95.16	-2,747.03	-640.65	5,907.49	5,784.41	123.08	47.998		
14,100.00	6,957.75	7,163.10	7,162.72	211.71	30.60	-95.22	-2,746.94	-640.72	5,998.15	5,875.17	122.98	48.772		
14,200.00	6,958.02	7,165.80	7,165.41	214.53	30.61	-95.28	-2,746.85	-640.78	6,089.11	5,966.22	122.89	49.548		
14,300.00	6,958.28	7,168.49	7,168.10	217.36	30.62	-95.34	-2,746.76	-640.85	6,180.35	6,057.55	122.80	50.328		
14,400.00	6,958.55	7,171.19	7,170.79	220.18	30.64	-95.40	-2,746.68	-640.91	6,271.86	6,149.15	122.71	51.111		
14,500.00	6,958.81	7,173.88	7,173.48	223.00	30.65	-95.47	-2,746.59	-640.98	6,363.61	6,240.99	122.62	51.897		
14,600.00	6,959.08	7,176.57	7,176.18	225.83	30.66	-95.53	-2,746.50	-641.05	6,455.62	6,333.09	122.53	52.685		
14,700.00	6,959.35	7,179.27	7,178.87	228.65	30.67	-95.59	-2,746.41	-641.11	6,547.85	6,425.41	122.44	53.476		
14,800.00	6,959.61	7,181.96	7,181.56	231.48	30.68	-95.65	-2,746.33	-641.18	6,640.31	6,517.95	122.36	54.270		
14,900.00	6,959.88	7,184.66	7,184.25	234.30	30.70	-95.71	-2,746.24	-641.24	6,732.99	6,610.71	122.27	55.065		
15,000.00	6,960.14	7,187.35	7,186.94	237.13	30.71	-95.77	-2,746.15	-641.31	6,825.87	6,703.68	122.19	55.863		
15,100.00	6,960.41	7,190.04	7,189.64	239.96	30.72	-95.83	-2,746.06	-641.37	6,918.94	6,796.83	122.11	56.663		
15,200.00	6,960.68	7,192.74	7,192.33	242.79	30.73	-95.89	-2,745.98	-641.44	7,012.21	6,890.18	122.03	57.464		
15,300.00	6,960.94	7,195.43	7,195.02	245.62	30.74	-95.96	-2,745.89	-641.51	7,105.66	6,983.71	121.95	58.268		
15,400.00	6,961.21	7,198.13	7,197.71	248.45	30.75	-96.02	-2,745.80	-641.57	7,199.28	7,077.41	121.87	59.073		
15,500.00	6,961.47	7,200.82	7,200.40	251.28	30.77	-96.08	-2,745.71	-641.64	7,293.07	7,171.28	121.80	59.879		
15,600.00	6,961.74	7,203.51	7,203.09	254.11	30.78	-96.14	-2,745.63	-641.70	7,387.03	7,265.30	121.72	60.687		
15,700.00	6,962.01	7,206.21	7,205.79	256.94	30.79	-96.20	-2,745.54	-641.77	7,481.14	7,359.49	121.65	61.497		
15,800.00	6,962.27	7,208.90	7,208.48	259.77	30.80	-96.26	-2,745.45	-641.83	7,575.40	7,453.82	121.58	62.308		
15,900.00	6,962.54	7,211.60	7,211.17	262.61	30.81	-96.32	-2,745.36	-641.90	7,669.80	7,548.29	121.51	63.120		
16,000.00	6,962.80	7,214.29	7,213.86	265.44	30.83	-96.38	-2,745.28	-641.97	7,764.34	7,642.90	121.45	63.933		
16,100.00	6,963.07	7,216.98	7,216.55	268.28	30.84	-96.45	-2,745.19	-642.03	7,859.02	7,737.64	121.38	64.747		
16,200.00	6,963.34	7,219.68	7,219.24	271.11	30.85	-96.51	-2,745.10	-642.10	7,953.83	7,832.51	121.32	65.562		
16,300.00	6,963.60	7,222.37	7,221.94	273.95	30.86	-96.57	-2,745.01	-642.16	8,048.76	7,927.50	121.26	66.378		
16,400.00	6,963.87	7,225.07	7,224.63	276.78	30.87	-96.63	-2,744.92	-642.23	8,143.81	8,022.61	121.20	67.195		
16,500.00	6,964.13	7,227.76	7,227.32	279.62	30.88	-96.69	-2,744.84	-642.29	8,238.98	8,117.84	121.14	68.012		
16,600.00	6,964.40	7,230.45	7,230.01	282.46	30.90	-96.75	-2,744.75	-642.36	8,334.26	8,213.18	121.08	68.831		
16,700.00	6,964.67	7,233.15	7,232.70	285.29	30.91	-96.81	-2,744.66	-642.43	8,429.65	8,308.62	121.03	69.649		
16,800.00	6,964.93	7,235.84	7,235.40	288.13	30.92	-96.87	-2,744.57	-642.49	8,525.14	8,404.17	120.98	70.469		
16,900.00	6,965.20	7,238.54	7,238.09	290.97	30.93	-96.93	-2,744.49	-642.56	8,620.74	8,499.81	120.93	71.289		
17,000.00	6,965.46	7,241.23	7,240.78	293.81	30.94	-97.00	-2,744.40	-642.62	8,716.43	8,595.55	120.88	72.109		
17,100.00	6,965.73	7,243.92	7,243.47	296.65	30.95	-97.06	-2,744.31	-642.69	8,812.22	8,691.39	120.83	72.930		
17,200.00	6,966.00	7,246.62	7,246.16	299.49	30.97	-97.12	-2,744.22	-642.76	8,908.10	8,787.31	120.79	73.751		
17,300.00	6,966.26	7,249.31	7,248.85	302.32	30.98	-97.18	-2,744.14	-642.82	9,004.07	8,883.33	120.74	74.573		
17,400.00	6,966.53	7,252.01	7,251.55	305.16	30.99	-97.24	-2,744.05	-642.89	9,100.12	8,979.42	120.70	75.394		
17,500.00	6,966.80	7,254.70	7,254.24	308.00	31.00	-97.30	-2,743.96	-642.95	9,196.26	9,075.60	120.66	76.216		
17,600.00	6,967.06	7,257.39	7,256.93	310.85	31.01	-97.36	-2,743.87	-643.02	9,292.48	9,171.86	120.62	77.038		
17,700.00	6,967.33	7,260.09	7,259.62	313.69	31.03	-97.42	-2,743.79	-643.08	9,388.78	9,268.19	120.58	77.861		
17,800.00	6,967.59	7,262.78	7,262.31	316.53	31.04	-97.48	-2,743.70	-643.15	9,485.15	9,364.60	120.55	78.683		
17,900.00	6,967.86	7,265.48	7,265.01	319.37	31.05	-97.54	-2,743.61	-643.22	9,581.60	9,461.08	120.52	79.505		
18,000.00	6,968.13	7,268.17	7,267.70	322.21	31.06	-97.61	-2,743.52	-643.28	9,678.11	9,557.63	120.48	80.327		
18,100.00	6,968.39	7,270.86	7,270.39	325.05	31.07	-97.67	-2,743.44	-643.35	9,774.70	9,654.25	120.45	81.150		
18,200.00	6,968.66	7,273.56	7,273.08	327.90	31.08	-97.73	-2,743.35	-643.41	9,871.35	9,750.93	120.42	81.972		
18,300.00	6,968.92	7,276.25	7,275.77	330.74	31.10	-97.79	-2,743.26	-643.48	9,968.07	9,847.68	120.40	82.794		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-155.35	-3,810.58	-1,748.95	4,192.96					
100.00	100.00	60.00	60.00	3.28	3.44	-155.35	-3,810.58	-1,748.95	4,192.77	4,186.04	6.73	623.195		
200.00	200.00	160.00	160.00	3.34	5.05	-155.35	-3,810.58	-1,748.95	4,192.77	4,184.39	8.39	499.898		
300.00	299.98	259.98	259.98	3.44	8.03	104.67	-3,810.58	-1,748.95	4,193.21	4,181.74	11.47	365.494		
400.00	399.84	359.84	359.84	3.60	11.30	104.71	-3,810.58	-1,748.95	4,194.54	4,179.64	14.90	281.532		
500.00	499.45	459.45	459.45	3.80	14.67	104.78	-3,810.58	-1,748.95	4,196.77	4,178.31	18.46	227.294		
600.00	598.70	558.70	558.70	4.05	18.06	104.88	-3,810.58	-1,748.95	4,199.91	4,177.81	22.10	190.004		
700.00	697.47	657.47	657.47	4.33	21.46	105.01	-3,810.58	-1,748.95	4,203.99	4,178.20	25.79	162.998		
803.50	799.05	759.05	759.05	4.67	24.97	105.16	-3,810.58	-1,748.95	4,209.24	4,179.60	29.64	142.006		
900.00	893.41	853.41	853.41	5.02	28.24	105.42	-3,810.58	-1,748.95	4,214.67	4,181.41	33.26	126.724		
1,000.00	991.20	951.20	951.20	5.41	31.63	105.69	-3,810.58	-1,748.95	4,220.40	4,183.36	37.04	113.951		
1,100.00	1,088.99	1,048.99	1,048.99	5.81	35.03	105.96	-3,810.58	-1,748.95	4,226.22	4,185.38	40.84	103.485		
1,200.00	1,186.78	1,146.78	1,146.78	6.23	38.43	106.22	-3,810.58	-1,748.95	4,232.13	4,187.47	44.66	94.763		
1,300.00	1,284.57	1,244.57	1,244.57	6.67	41.83	106.49	-3,810.58	-1,748.95	4,238.14	4,189.65	48.50	87.391		
1,400.00	1,382.36	1,342.36	1,342.36	7.12	45.24	106.75	-3,810.58	-1,748.95	4,244.25	4,191.91	52.34	81.083		
1,500.00	1,480.15	1,440.15	1,440.15	7.57	48.64	107.02	-3,810.58	-1,748.95	4,250.45	4,194.25	56.20	75.627		
1,600.00	1,577.94	1,537.94	1,537.94	8.03	52.05	107.28	-3,810.58	-1,748.95	4,256.74	4,196.67	60.07	70.864		
1,700.00	1,675.73	1,635.73	1,635.73	8.50	55.45	107.55	-3,810.58	-1,748.95	4,263.13	4,199.19	63.94	66.671		
1,800.00	1,773.52	1,733.52	1,733.52	8.98	58.86	107.81	-3,810.58	-1,748.95	4,269.61	4,201.79	67.82	62.953		
1,900.00	1,871.31	1,831.31	1,831.31	9.45	62.27	108.07	-3,810.58	-1,748.95	4,276.18	4,204.47	71.71	59.635		
2,000.00	1,969.10	1,929.10	1,929.10	9.94	65.68	108.33	-3,810.58	-1,748.95	4,282.84	4,207.25	75.59	56.656		
2,100.00	2,066.88	2,026.88	2,026.88	10.42	69.09	108.59	-3,810.58	-1,748.95	4,289.60	4,210.11	79.48	53.968		
2,200.00	2,164.67	2,124.67	2,124.67	10.91	72.50	108.85	-3,810.58	-1,748.95	4,296.44	4,213.07	83.38	51.529		
2,300.00	2,262.46	2,222.46	2,222.46	11.40	75.91	109.11	-3,810.58	-1,748.95	4,303.38	4,216.11	87.28	49.308		
2,400.00	2,360.25	2,320.25	2,320.25	11.89	79.32	109.36	-3,810.58	-1,748.95	4,310.41	4,219.23	91.17	47.276		
2,500.00	2,458.04	2,418.04	2,418.04	12.39	82.73	109.62	-3,810.58	-1,748.95	4,317.53	4,222.45	95.08	45.411		
2,600.00	2,555.83	2,515.83	2,515.83	12.88	86.14	109.88	-3,810.58	-1,748.95	4,324.73	4,225.75	98.98	43.694		
2,700.00	2,653.62	2,613.62	2,613.62	13.38	89.56	110.13	-3,810.58	-1,748.95	4,332.03	4,229.15	102.88	42.107		
2,800.00	2,751.41	2,711.41	2,711.41	13.88	92.97	110.39	-3,810.58	-1,748.95	4,339.41	4,232.62	106.79	40.636		
2,900.00	2,849.20	2,809.20	2,809.20	14.38	96.38	110.64	-3,810.58	-1,748.95	4,346.88	4,236.19	110.69	39.269		
3,000.00	2,946.99	2,906.99	2,906.99	14.88	99.79	110.89	-3,810.58	-1,748.95	4,354.44	4,239.84	114.60	37.996		
3,100.00	3,044.78	3,004.78	3,004.78	15.38	103.20	111.14	-3,810.58	-1,748.95	4,362.09	4,243.58	118.51	36.808		
3,200.00	3,142.57	3,102.57	3,102.57	15.89	106.62	111.39	-3,810.58	-1,748.95	4,369.82	4,247.41	122.42	35.696		
3,300.00	3,240.36	3,200.36	3,200.36	16.39	110.03	111.64	-3,810.58	-1,748.95	4,377.64	4,251.32	126.33	34.653		
3,400.00	3,338.15	3,301.86	3,298.15	16.89	113.57	111.89	-3,810.58	-1,748.95	4,385.55	4,255.18	130.37	33.640		
3,500.00	3,435.93	3,404.07	3,395.93	17.40	117.14	112.14	-3,810.58	-1,748.95	4,393.54	4,259.11	134.43	32.682		
3,600.00	3,533.72	3,506.28	3,493.72	17.90	120.70	112.39	-3,810.58	-1,748.95	4,401.62	4,263.12	138.50	31.781		
3,700.00	3,631.51	3,608.49	3,591.51	18.41	124.27	112.64	-3,810.58	-1,748.95	4,409.78	4,267.21	142.56	30.932		
3,800.00	3,729.30	3,689.30	3,689.30	18.92	127.09	112.88	-3,810.58	-1,748.95	4,418.02	4,272.14	146.88	30.285		
3,900.00	3,827.09	3,787.09	3,787.09	19.42	130.50	113.13	-3,810.58	-1,748.95	4,426.35	4,276.55	149.79	29.549		
4,000.00	3,924.88	3,884.88	3,884.88	19.93	133.92	113.37	-3,810.58	-1,748.95	4,434.76	4,281.05	153.71	28.852		
4,100.00	4,022.67	3,982.67	3,982.67	20.44	137.33	113.61	-3,810.58	-1,748.95	4,443.25	4,285.63	157.62	28.190		
4,200.00	4,120.46	4,080.46	4,080.46	20.95	140.74	113.85	-3,810.58	-1,748.95	4,451.82	4,290.29	161.53	27.560		
4,300.00	4,218.25	4,178.25	4,178.25	21.46	144.15	114.10	-3,810.58	-1,748.95	4,460.48	4,295.04	165.44	26.961		
4,400.00	4,316.04	4,276.04	4,276.04	21.97	147.57	114.34	-3,810.58	-1,748.95	4,469.22	4,299.86	169.36	26.389		
4,500.00	4,413.83	4,373.83	4,373.83	22.48	150.98	114.58	-3,810.58	-1,748.95	4,478.04	4,304.77	173.27	25.844		
4,600.00	4,511.62	4,471.62	4,471.62	22.99	154.39	114.81	-3,810.58	-1,748.95	4,486.93	4,309.75	177.18	25.324		
4,700.00	4,609.41	4,569.41	4,569.41	23.50	157.81	115.05	-3,810.58	-1,748.95	4,495.91	4,314.82	181.09	24.826		
4,800.00	4,707.20	4,667.20	4,667.20	24.01	161.22	115.29	-3,810.58	-1,748.95	4,504.97	4,319.96	185.01	24.350		
4,900.00	4,804.98	4,764.98	4,764.98	24.52	164.63	115.52	-3,810.58	-1,748.95	4,514.10	4,325.18	188.92	23.894		
5,000.00	4,902.77	4,862.77	4,862.77	25.03	168.05	115.76	-3,810.58	-1,748.95	4,523.32	4,330.49	192.83	23.457		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,960.56	4,960.56	25.54	171.46	115.99	-3,810.58	-1,748.95	4,532.61	4,335.86	196.75	23.038			
5,200.00	5,098.35	5,058.35	5,058.35	26.05	174.87	116.22	-3,810.58	-1,748.95	4,541.98	4,341.32	200.66	22.635			
5,300.00	5,196.14	5,156.14	5,156.14	26.56	178.29	116.46	-3,810.58	-1,748.95	4,551.42	4,346.85	204.57	22.249			
5,400.00	5,293.93	5,253.93	5,253.93	27.07	181.70	116.69	-3,810.58	-1,748.95	4,560.95	4,352.46	208.48	21.877			
5,500.00	5,391.72	5,351.72	5,351.72	27.58	185.11	116.92	-3,810.58	-1,748.95	4,570.54	4,358.15	212.39	21.519			
5,600.00	5,489.51	5,449.51	5,449.51	28.09	188.53	117.15	-3,810.58	-1,748.95	4,580.22	4,363.91	216.31	21.175			
5,700.00	5,587.30	5,547.30	5,547.30	28.61	191.94	117.38	-3,810.58	-1,748.95	4,589.96	4,369.75	220.22	20.843			
5,800.00	5,685.09	5,645.09	5,645.09	29.12	195.35	117.60	-3,810.58	-1,748.95	4,599.79	4,375.66	224.13	20.523			
5,900.00	5,782.88	5,742.88	5,742.88	29.63	198.77	117.83	-3,810.58	-1,748.95	4,609.68	4,381.64	228.04	20.214			
6,000.00	5,880.67	5,840.67	5,840.67	30.14	202.18	118.05	-3,810.58	-1,748.95	4,619.65	4,387.70	231.95	19.916			
6,100.00	5,978.46	5,938.46	5,938.46	30.65	205.59	118.28	-3,810.58	-1,748.95	4,629.70	4,393.83	235.86	19.629			
6,200.00	6,076.25	6,036.25	6,036.25	31.17	209.01	118.50	-3,810.58	-1,748.95	4,639.81	4,400.04	239.78	19.351			
6,298.86	6,172.92	6,132.92	6,132.92	31.67	212.38	118.72	-3,810.58	-1,748.95	4,649.88	4,406.24	243.64	19.085			
6,300.00	6,174.03	6,134.03	6,134.03	31.68	212.42	118.65	-3,810.58	-1,748.95	4,650.00	4,406.31	243.69	19.082			
6,350.00	6,223.30	6,183.30	6,183.30	31.92	214.14	112.86	-3,810.58	-1,748.95	4,653.82	4,408.18	245.64	18.945			
6,400.00	6,273.06	6,233.06	6,233.06	32.13	215.88	91.61	-3,810.58	-1,748.95	4,655.16	4,407.57	247.59	18.802			
6,450.00	6,323.01	6,283.01	6,283.01	32.32	217.62	1.13	-3,810.58	-1,748.95	4,653.99	4,404.47	249.52	18.652			
6,500.00	6,372.84	6,332.84	6,332.84	32.48	219.36	-31.40	-3,810.58	-1,748.95	4,650.33	4,398.90	251.42	18.496			
6,550.00	6,422.24	6,382.24	6,382.24	32.65	221.08	-39.64	-3,810.58	-1,748.95	4,644.19	4,390.88	253.31	18.334			
6,600.00	6,470.92	6,430.92	6,430.92	32.83	222.78	-43.64	-3,810.58	-1,748.95	4,635.62	4,380.45	255.17	18.167			
6,650.00	6,518.56	6,478.56	6,478.56	33.01	224.45	-46.37	-3,810.58	-1,748.95	4,624.69	4,367.69	257.00	17.995			
6,700.00	6,564.89	6,524.89	6,524.89	33.21	226.06	-48.66	-3,810.58	-1,748.95	4,611.49	4,352.71	258.79	17.820			
6,750.00	6,609.60	6,569.60	6,569.60	33.43	227.62	-50.81	-3,810.58	-1,748.95	4,596.13	4,335.60	260.53	17.642			
6,800.00	6,652.43	6,612.43	6,612.43	33.66	229.12	-52.98	-3,810.58	-1,748.95	4,578.72	4,316.51	262.21	17.462			
6,850.00	6,693.10	6,653.10	6,653.10	33.91	230.54	-55.25	-3,810.58	-1,748.95	4,559.41	4,295.57	263.84	17.281			
6,900.00	6,731.38	6,708.62	6,691.38	34.20	232.48	-57.66	-3,810.58	-1,748.95	4,538.36	4,272.36	266.00	17.062			
6,950.00	6,767.02	6,727.02	6,727.02	34.51	233.12	-60.22	-3,810.58	-1,748.95	4,515.74	4,248.85	266.88	16.920			
7,000.00	6,799.81	6,759.81	6,759.81	34.85	234.26	-62.96	-3,810.58	-1,748.95	4,491.72	4,223.42	268.29	16.742			
7,050.00	6,829.54	6,789.54	6,789.54	35.24	235.30	-65.86	-3,810.58	-1,748.95	4,466.50	4,196.88	269.63	16.566			
7,100.00	6,856.03	6,816.03	6,816.03	35.66	236.23	-68.90	-3,810.58	-1,748.95	4,440.29	4,169.41	270.87	16.392			
7,150.00	6,879.11	6,839.11	6,839.11	36.12	237.03	-72.06	-3,810.58	-1,748.95	4,413.27	4,141.24	272.04	16.223			
7,200.00	6,898.65	6,858.65	6,858.65	36.62	237.71	-75.30	-3,810.58	-1,748.95	4,385.68	4,112.57	273.11	16.058			
7,250.00	6,914.51	6,874.51	6,874.51	37.15	238.27	-78.57	-3,810.58	-1,748.95	4,357.70	4,083.61	274.09	15.899			
7,300.00	6,926.62	6,886.62	6,886.62	37.73	238.69	-81.84	-3,810.58	-1,748.95	4,329.55	4,054.58	274.97	15.745			
7,350.00	6,934.88	6,905.12	6,894.88	38.34	239.34	-85.05	-3,810.58	-1,748.95	4,301.44	4,025.32	276.12	15.578			
7,400.00	6,939.26	6,900.74	6,899.26	38.97	239.18	-88.15	-3,810.58	-1,748.95	4,273.56	3,997.07	276.49	15.457			
7,429.12	6,940.00	6,900.00	6,900.00	39.34	239.16	-89.90	-3,810.58	-1,748.95	4,257.50	3,980.72	276.78	15.382			
7,500.00	6,940.19	6,900.19	6,900.19	40.31	239.16	-89.90	-3,810.58	-1,748.95	4,219.04	3,941.43	277.61	15.198			
7,600.00	6,940.46	6,900.46	6,900.46	41.80	239.17	-89.91	-3,810.58	-1,748.95	4,166.23	3,887.30	278.93	14.937			
7,700.00	6,940.72	6,900.72	6,900.72	43.43	239.18	-89.91	-3,810.58	-1,748.95	4,115.17	3,834.76	280.41	14.676			
7,800.00	6,940.99	6,900.99	6,900.99	45.19	239.19	-89.92	-3,810.58	-1,748.95	4,065.93	3,783.89	282.04	14.416			
7,900.00	6,941.25	6,901.25	6,901.25	47.05	239.20	-89.92	-3,810.58	-1,748.95	4,018.57	3,734.75	283.81	14.159			
8,000.00	6,941.52	6,901.52	6,901.52	49.02	239.21	-89.92	-3,810.58	-1,748.95	3,973.16	3,687.43	285.73	13.905			
8,100.00	6,941.79	6,901.79	6,901.79	51.06	239.22	-89.93	-3,810.58	-1,748.95	3,929.78	3,642.01	287.77	13.656			
8,200.00	6,942.05	6,902.05	6,902.05	53.18	239.23	-89.93	-3,810.58	-1,748.95	3,888.49	3,598.55	289.93	13.412			
8,300.00	6,942.32	6,902.32	6,902.32	55.37	239.24	-89.94	-3,810.58	-1,748.95	3,849.35	3,557.14	292.20	13.174			
8,400.00	6,942.58	6,902.58	6,902.58	57.62	239.25	-89.94	-3,810.58	-1,748.95	3,812.43	3,517.86	294.57	12.942			
8,500.00	6,942.85	6,902.85	6,902.85	59.92	239.26	-89.95	-3,810.58	-1,748.95	3,777.80	3,480.77	297.02	12.719			
8,600.00	6,943.12	6,903.12	6,903.12	62.26	239.27	-89.95	-3,810.58	-1,748.95	3,745.52	3,445.96	299.55	12.504			
8,700.00	6,943.38	6,903.38	6,903.38	64.65	239.27	-89.95	-3,810.58	-1,748.95	3,715.65	3,413.50	302.15	12.297			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,903.65	6,903.65	67.08	239.28	-89.96	-3,810.58	-1,748.95	3,688.25	3,383.45	304.80	12.101		
8,900.00	6,943.91	6,903.91	6,903.91	69.53	239.29	-89.96	-3,810.58	-1,748.95	3,663.37	3,355.88	307.50	11.914		
9,000.00	6,944.18	6,904.18	6,904.18	72.02	239.30	-89.97	-3,810.58	-1,748.95	3,641.08	3,330.85	310.23	11.737		
9,100.00	6,944.45	6,904.45	6,904.45	74.54	239.31	-89.97	-3,810.58	-1,748.95	3,621.41	3,308.43	312.98	11.571		
9,200.00	6,944.71	6,904.71	6,904.71	77.07	239.32	-89.98	-3,810.58	-1,748.95	3,604.41	3,288.66	315.75	11.415		
9,300.00	6,944.98	6,904.98	6,904.98	79.63	239.33	-89.98	-3,810.58	-1,748.95	3,590.11	3,271.59	318.52	11.271		
9,400.00	6,945.24	6,905.24	6,905.24	82.21	239.34	-89.98	-3,810.58	-1,748.95	3,578.55	3,257.27	321.28	11.138		
9,500.00	6,945.51	6,905.51	6,905.51	84.81	239.35	-89.99	-3,810.58	-1,748.95	3,569.76	3,245.73	324.02	11.017		
9,600.00	6,945.78	6,905.78	6,905.78	87.43	239.36	-89.99	-3,810.58	-1,748.95	3,563.75	3,237.01	326.74	10.907		
9,700.00	6,946.04	6,906.04	6,906.04	90.05	239.37	-90.00	-3,810.58	-1,748.95	3,560.54	3,231.12	329.42	10.809		
9,764.30	6,946.21	6,906.21	6,906.21	91.75	239.37	-90.00	-3,810.58	-1,748.95	3,559.96	3,228.84	331.12	10.751 CC		
9,800.00	6,946.31	6,906.31	6,906.31	92.70	239.38	-90.00	-3,810.58	-1,748.95	3,560.14	3,228.08	332.06	10.722		
9,900.00	6,946.57	6,906.57	6,906.57	95.35	239.39	-90.01	-3,810.58	-1,748.95	3,562.54	3,227.91	334.64	10.646 ES		
10,000.00	6,946.84	6,906.84	6,906.84	98.02	239.40	-90.01	-3,810.58	-1,748.95	3,567.75	3,230.60	337.16	10.582		
10,100.00	6,947.11	6,907.11	6,907.11	100.70	239.40	-90.01	-3,810.58	-1,748.95	3,575.75	3,236.14	339.61	10.529		
10,200.00	6,947.37	6,907.37	6,907.37	103.38	239.41	-90.02	-3,810.58	-1,748.95	3,586.52	3,244.53	341.99	10.487		
10,300.00	6,947.64	6,907.64	6,907.64	106.08	239.42	-90.02	-3,810.58	-1,748.95	3,600.04	3,255.75	344.29	10.456		
10,400.00	6,947.90	6,907.90	6,907.90	108.78	239.43	-90.03	-3,810.58	-1,748.95	3,616.27	3,269.76	346.51	10.436		
10,500.00	6,948.17	6,908.17	6,908.17	111.49	239.44	-90.03	-3,810.58	-1,748.95	3,635.18	3,286.55	348.64	10.427 SF		
10,600.00	6,948.44	6,908.44	6,908.44	114.21	239.45	-90.04	-3,810.58	-1,748.95	3,656.73	3,306.06	350.68	10.428		
10,700.00	6,948.70	6,908.70	6,908.70	116.94	239.46	-90.04	-3,810.58	-1,748.95	3,680.88	3,328.25	352.63	10.438		
10,800.00	6,948.97	6,908.97	6,908.97	119.67	239.47	-90.04	-3,810.58	-1,748.95	3,707.56	3,353.08	354.48	10.459		
10,900.00	6,949.24	6,909.24	6,909.24	122.41	239.48	-90.05	-3,810.58	-1,748.95	3,736.73	3,380.49	356.24	10.489		
11,000.00	6,949.50	6,909.50	6,909.50	125.15	239.49	-90.05	-3,810.58	-1,748.95	3,768.32	3,410.42	357.90	10.529		
11,100.00	6,949.77	6,909.77	6,909.77	127.90	239.50	-90.06	-3,810.58	-1,748.95	3,802.29	3,442.81	359.48	10.577		
11,200.00	6,950.03	6,910.03	6,910.03	130.65	239.51	-90.06	-3,810.58	-1,748.95	3,838.56	3,477.60	360.95	10.634		
11,300.00	6,950.30	6,910.30	6,910.30	133.41	239.52	-90.07	-3,810.58	-1,748.95	3,877.07	3,514.73	362.34	10.700		
11,400.00	6,950.57	6,910.57	6,910.57	136.17	239.53	-90.07	-3,810.58	-1,748.95	3,917.76	3,554.12	363.64	10.774		
11,500.00	6,950.83	6,910.83	6,910.83	138.94	239.53	-90.07	-3,810.58	-1,748.95	3,960.55	3,595.70	364.85	10.855		
11,600.00	6,951.10	6,911.10	6,911.10	141.71	239.54	-90.08	-3,810.58	-1,748.95	4,005.38	3,639.40	365.98	10.944		
11,700.00	6,951.36	6,911.36	6,911.36	144.48	239.55	-90.08	-3,810.58	-1,748.95	4,052.19	3,685.16	367.03	11.041		
11,800.00	6,951.63	6,911.63	6,911.63	147.26	239.56	-90.09	-3,810.58	-1,748.95	4,100.90	3,732.90	368.00	11.144		
11,900.00	6,951.90	6,911.90	6,911.90	150.03	239.57	-90.09	-3,810.58	-1,748.95	4,151.45	3,782.56	368.89	11.254		
12,000.00	6,952.16	6,912.16	6,912.16	152.82	239.58	-90.10	-3,810.58	-1,748.95	4,203.77	3,834.05	369.71	11.370		
12,100.00	6,952.43	6,912.43	6,912.43	155.60	239.59	-90.10	-3,810.58	-1,748.95	4,257.79	3,887.32	370.47	11.493		
12,200.00	6,952.69	6,912.69	6,912.69	158.39	239.60	-90.10	-3,810.58	-1,748.95	4,313.46	3,942.30	371.16	11.622		
12,300.00	6,952.96	6,912.96	6,912.96	161.18	239.61	-90.11	-3,810.58	-1,748.95	4,370.70	3,998.92	371.78	11.756		
12,400.00	6,953.23	6,913.23	6,913.23	163.97	239.62	-90.11	-3,810.58	-1,748.95	4,429.47	4,057.11	372.36	11.896		
12,500.00	6,953.49	6,913.49	6,913.49	166.77	239.63	-90.12	-3,810.58	-1,748.95	4,489.69	4,116.82	372.87	12.041		
12,600.00	6,953.76	6,913.76	6,913.76	169.56	239.64	-90.12	-3,810.58	-1,748.95	4,551.31	4,177.98	373.34	12.191		
12,700.00	6,954.02	6,914.02	6,914.02	172.36	239.65	-90.13	-3,810.58	-1,748.95	4,614.28	4,240.53	373.76	12.346		
12,800.00	6,954.29	6,914.29	6,914.29	175.16	239.66	-90.13	-3,810.58	-1,748.95	4,678.54	4,304.41	374.13	12.505		
12,900.00	6,954.56	6,914.56	6,914.56	177.97	239.66	-90.13	-3,810.58	-1,748.95	4,744.04	4,369.57	374.46	12.669		
13,000.00	6,954.82	6,914.82	6,914.82	180.77	239.67	-90.14	-3,810.58	-1,748.95	4,810.72	4,435.97	374.75	12.837		
13,100.00	6,955.09	6,915.09	6,915.09	183.58	239.68	-90.14	-3,810.58	-1,748.95	4,878.54	4,503.53	375.01	13.009		
13,200.00	6,955.35	6,915.35	6,915.35	186.38	239.69	-90.15	-3,810.58	-1,748.95	4,947.45	4,572.22	375.23	13.185		
13,300.00	6,955.62	6,915.62	6,915.62	189.19	239.70	-90.15	-3,810.58	-1,748.95	5,017.41	4,641.99	375.42	13.365		
13,400.00	6,955.89	6,915.89	6,915.89	192.00	239.71	-90.16	-3,810.58	-1,748.95	5,088.37	4,712.79	375.58	13.548		
13,500.00	6,956.15	6,916.15	6,916.15	194.82	239.72	-90.16	-3,810.58	-1,748.95	5,160.30	4,784.59	375.71	13.735		
13,600.00	6,956.42	6,916.42	6,916.42	197.63	239.73	-90.16	-3,810.58	-1,748.95	5,233.15	4,857.32	375.82	13.925		
13,700.00	6,956.68	6,916.68	6,916.68	200.44	239.74	-90.17	-3,810.58	-1,748.95	5,306.88	4,930.97	375.91	14.118		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
13,800.00	6,956.95	6,916.95	6,916.95	203.26	239.75	-90.17	-3,810.58	-1,748.95	5,381.46	5,005.49	375.97	14.313			
13,900.00	6,957.22	6,917.22	6,917.22	206.08	239.76	-90.18	-3,810.58	-1,748.95	5,456.85	5,080.84	376.01	14.512			
14,000.00	6,957.48	6,917.48	6,917.48	208.89	239.77	-90.18	-3,810.58	-1,748.95	5,533.02	5,156.98	376.04	14.714			
14,100.00	6,957.75	6,917.75	6,917.75	211.71	239.78	-90.19	-3,810.58	-1,748.95	5,609.95	5,233.90	376.05	14.918			
14,200.00	6,958.02	6,918.02	6,918.02	214.53	239.79	-90.19	-3,810.58	-1,748.95	5,687.59	5,311.54	376.04	15.125			
14,300.00	6,958.28	6,918.28	6,918.28	217.36	239.79	-90.19	-3,810.58	-1,748.95	5,765.91	5,389.89	376.02	15.334			
14,400.00	6,958.55	6,918.55	6,918.55	220.18	239.80	-90.20	-3,810.58	-1,748.95	5,844.90	5,468.91	375.99	15.545			
14,500.00	6,958.81	6,918.81	6,918.81	223.00	239.81	-90.20	-3,810.58	-1,748.95	5,924.53	5,548.58	375.95	15.759			
14,600.00	6,959.08	6,919.08	6,919.08	225.83	239.82	-90.21	-3,810.58	-1,748.95	6,004.76	5,628.87	375.89	15.975			
14,700.00	6,959.35	6,919.35	6,919.35	228.65	239.83	-90.21	-3,810.58	-1,748.95	6,085.58	5,709.75	375.83	16.192			
14,800.00	6,959.61	6,919.61	6,919.61	231.48	239.84	-90.22	-3,810.58	-1,748.95	6,166.96	5,791.21	375.75	16.412			
14,900.00	6,959.88	6,919.88	6,919.88	234.30	239.85	-90.22	-3,810.58	-1,748.95	6,248.89	5,873.21	375.67	16.634			
15,000.00	6,960.14	6,920.14	6,920.14	237.13	239.86	-90.22	-3,810.58	-1,748.95	6,331.33	5,955.74	375.58	16.857			
15,100.00	6,960.41	6,920.41	6,920.41	239.96	239.87	-90.23	-3,810.58	-1,748.95	6,414.27	6,038.78	375.49	17.082			
15,200.00	6,960.68	6,920.68	6,920.68	242.79	239.88	-90.23	-3,810.58	-1,748.95	6,497.69	6,122.30	375.39	17.309			
15,300.00	6,960.94	6,920.94	6,920.94	245.62	239.89	-90.24	-3,810.58	-1,748.95	6,581.57	6,206.29	375.28	17.538			
15,400.00	6,961.21	6,921.21	6,921.21	248.45	239.90	-90.24	-3,810.58	-1,748.95	6,665.90	6,290.73	375.17	17.768			
15,500.00	6,961.47	6,921.47	6,921.47	251.28	239.91	-90.25	-3,810.58	-1,748.95	6,750.66	6,375.60	375.06	17.999			
15,600.00	6,961.74	6,921.74	6,921.74	254.11	239.92	-90.25	-3,810.58	-1,748.95	6,835.82	6,460.89	374.94	18.232			
15,700.00	6,962.01	6,922.01	6,922.01	256.94	239.92	-90.25	-3,810.58	-1,748.95	6,921.39	6,546.57	374.82	18.466			
15,800.00	6,962.27	6,922.27	6,922.27	259.77	239.93	-90.26	-3,810.58	-1,748.95	7,007.34	6,632.65	374.69	18.702			
15,900.00	6,962.54	6,922.54	6,922.54	262.61	239.94	-90.26	-3,810.58	-1,748.95	7,093.65	6,719.09	374.56	18.938			
16,000.00	6,962.80	6,922.80	6,922.80	265.44	239.95	-90.27	-3,810.58	-1,748.95	7,180.32	6,805.89	374.44	19.176			
16,100.00	6,963.07	6,923.07	6,923.07	268.28	239.96	-90.27	-3,810.58	-1,748.95	7,267.34	6,893.03	374.31	19.416			
16,200.00	6,963.34	6,923.34	6,923.34	271.11	239.97	-90.28	-3,810.58	-1,748.95	7,354.68	6,980.51	374.17	19.656			
16,300.00	6,963.60	6,923.60	6,923.60	273.95	239.98	-90.28	-3,810.58	-1,748.95	7,442.34	7,068.30	374.04	19.897			
16,400.00	6,963.87	6,923.87	6,923.87	276.78	239.99	-90.28	-3,810.58	-1,748.95	7,530.31	7,156.40	373.91	20.140			
16,500.00	6,964.13	6,924.13	6,924.13	279.62	240.00	-90.29	-3,810.58	-1,748.95	7,618.58	7,244.80	373.77	20.383			
16,600.00	6,964.40	6,924.40	6,924.40	282.46	240.01	-90.29	-3,810.58	-1,748.95	7,707.13	7,333.49	373.64	20.627			
16,700.00	6,964.67	6,924.67	6,924.67	285.29	240.02	-90.30	-3,810.58	-1,748.95	7,795.96	7,422.46	373.50	20.873			
16,800.00	6,964.93	6,924.93	6,924.93	288.13	240.03	-90.30	-3,810.58	-1,748.95	7,885.05	7,511.69	373.37	21.119			
16,900.00	6,965.20	6,925.20	6,925.20	290.97	240.04	-90.31	-3,810.58	-1,748.95	7,974.41	7,601.18	373.23	21.366			
17,000.00	6,965.46	6,925.46	6,925.46	293.81	240.05	-90.31	-3,810.58	-1,748.95	8,064.02	7,690.92	373.10	21.614			
17,100.00	6,965.73	6,925.73	6,925.73	296.65	240.05	-90.31	-3,810.58	-1,748.95	8,153.86	7,780.90	372.96	21.862			
17,200.00	6,966.00	6,926.00	6,926.00	299.49	240.06	-90.32	-3,810.58	-1,748.95	8,243.94	7,871.11	372.83	22.112			
17,300.00	6,966.26	6,926.26	6,926.26	302.32	240.07	-90.32	-3,810.58	-1,748.95	8,334.25	7,961.55	372.70	22.362			
17,400.00	6,966.53	6,926.53	6,926.53	305.16	240.08	-90.33	-3,810.58	-1,748.95	8,424.78	8,052.21	372.56	22.613			
17,500.00	6,966.80	6,926.80	6,926.80	308.00	240.09	-90.33	-3,810.58	-1,748.95	8,515.51	8,143.08	372.43	22.865			
17,600.00	6,967.06	6,927.06	6,927.06	310.85	240.10	-90.34	-3,810.58	-1,748.95	8,606.46	8,234.15	372.30	23.117			
17,700.00	6,967.33	6,927.33	6,927.33	313.69	240.11	-90.34	-3,810.58	-1,748.95	8,697.60	8,325.43	372.17	23.370			
17,800.00	6,967.59	6,927.59	6,927.59	316.53	240.12	-90.34	-3,810.58	-1,748.95	8,788.93	8,416.89	372.05	23.623			
17,900.00	6,967.86	6,927.86	6,927.86	319.37	240.13	-90.35	-3,810.58	-1,748.95	8,880.46	8,508.54	371.92	23.877			
18,000.00	6,968.13	6,928.13	6,928.13	322.21	240.14	-90.35	-3,810.58	-1,748.95	8,972.16	8,600.36	371.79	24.132			
18,100.00	6,968.39	6,928.39	6,928.39	325.05	240.15	-90.36	-3,810.58	-1,748.95	9,064.04	8,692.37	371.67	24.387			
18,200.00	6,968.66	6,928.66	6,928.66	327.90	240.16	-90.36	-3,810.58	-1,748.95	9,156.09	8,784.54	371.55	24.643			
18,300.00	6,968.92	6,928.92	6,928.92	330.74	240.17	-90.37	-3,810.58	-1,748.95	9,248.30	8,876.87	371.43	24.899			
18,400.00	6,969.19	6,929.19	6,929.19	333.58	240.18	-90.37	-3,810.58	-1,748.95	9,340.67	8,969.37	371.31	25.156			
18,500.00	6,969.46	6,929.46	6,929.46	336.43	240.18	-90.37	-3,810.58	-1,748.95	9,433.20	9,062.01	371.19	25.414			
18,600.00	6,969.72	6,929.72	6,929.72	339.27	240.19	-90.38	-3,810.58	-1,748.95	9,525.88	9,154.81	371.07	25.671			
18,704.56	6,970.00	6,930.00	6,930.00	342.24	240.20	-90.38	-3,810.58	-1,748.95	9,622.94	9,251.99	370.95	25.941			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	142.41	-657.57	506.15	829.88					
100.00	100.00	93.60	93.60	3.28	0.21	142.44	-657.60	505.69	829.56	826.07	3.49	237.550		
200.00	200.00	198.74	198.73	3.34	0.44	142.53	-657.71	504.05	828.70	824.92	3.78	219.385		
300.00	299.98	303.75	303.70	3.44	0.68	42.82	-657.90	501.24	825.94	821.82	4.12	200.592		
400.00	399.84	414.89	414.77	3.60	1.08	43.37	-657.40	497.59	819.79	815.10	4.69	174.875		
500.00	499.45	519.93	519.75	3.80	1.54	43.98	-654.59	495.01	809.87	804.52	5.35	151.321		
600.00	598.70	622.61	622.34	4.05	1.98	44.75	-650.91	492.91	797.03	790.98	6.04	131.887		
700.00	697.47	724.71	724.32	4.33	2.42	45.72	-646.36	491.22	781.36	774.59	6.77	115.453		
803.50	799.05	829.64	829.09	4.67	2.88	46.95	-640.76	489.89	762.27	754.73	7.55	100.982		
900.00	893.41	924.55	923.84	5.02	3.30	47.91	-635.30	488.89	743.28	734.99	8.29	89.677		
1,000.00	991.20	1,024.51	1,023.61	5.41	3.73	49.02	-629.32	487.27	723.34	714.26	9.08	79.626		
1,100.00	1,088.99	1,128.11	1,127.02	5.81	4.19	50.40	-624.15	483.79	703.66	693.74	9.92	70.937		
1,200.00	1,186.78	1,252.32	1,250.68	6.23	4.74	52.33	-615.69	475.97	681.36	670.49	10.86	62.716		
1,300.00	1,284.57	1,374.64	1,371.93	6.67	5.30	54.41	-603.10	465.94	655.77	643.97	11.80	55.565		
1,400.00	1,382.36	1,493.60	1,489.13	7.12	5.84	56.55	-586.03	454.93	626.77	614.05	12.72	49.268		
1,500.00	1,480.15	1,596.42	1,589.89	7.57	6.31	58.40	-567.66	445.95	595.49	581.90	13.59	43.830		
1,600.00	1,577.94	1,701.35	1,692.54	8.03	6.80	60.34	-547.41	437.97	563.99	549.53	14.46	39.008		
1,700.00	1,675.73	1,789.69	1,778.73	8.50	7.21	62.24	-529.62	430.29	531.84	516.53	15.32	34.727		
1,800.00	1,773.52	1,878.41	1,865.45	8.98	7.63	64.48	-512.89	421.91	501.30	485.10	16.20	30.954		
1,900.00	1,871.31	1,972.28	1,957.32	9.45	8.07	67.05	-495.39	413.81	472.07	454.97	17.10	27.611		
2,000.00	1,969.10	2,068.88	2,051.70	9.94	8.53	69.89	-476.24	406.22	442.91	424.90	18.01	24.589		
2,100.00	2,066.88	2,156.72	2,137.62	10.42	8.95	72.88	-459.57	398.88	415.59	396.64	18.95	21.927		
2,200.00	2,164.67	2,251.97	2,230.89	10.91	9.41	76.47	-441.75	391.43	390.03	370.12	19.91	19.594		
2,300.00	2,262.46	2,348.10	2,324.93	11.40	9.87	80.31	-422.73	385.43	365.17	344.30	20.87	17.500		
2,400.00	2,360.25	2,437.36	2,412.41	11.89	10.29	84.26	-405.75	380.26	342.83	320.97	21.86	15.684		
2,500.00	2,458.04	2,535.75	2,508.84	12.39	10.76	89.09	-386.96	374.93	322.48	299.64	22.84	14.119		
2,600.00	2,555.83	2,633.11	2,603.93	12.88	11.23	94.46	-366.71	369.91	302.93	279.10	23.83	12.711		
2,700.00	2,653.62	2,724.10	2,692.87	13.38	11.67	100.09	-348.15	364.88	286.80	261.94	24.85	11.540		
2,800.00	2,751.41	2,817.10	2,783.64	13.88	12.12	106.61	-328.91	358.56	274.43	248.57	25.86	10.613		
2,900.00	2,849.20	2,907.14	2,871.58	14.38	12.56	113.41	-310.86	351.72	267.29	240.46	26.83	9.961		
2,974.74	2,922.29	2,975.08	2,937.98	14.75	12.89	118.72	-297.63	346.10	265.68	238.16	27.52	9.654		
3,000.00	2,946.99	2,997.30	2,959.72	14.88	12.99	120.45	-293.41	344.20	265.90	238.15	27.74	9.585		
3,100.00	3,044.78	3,086.46	3,047.23	15.38	13.42	127.08	-278.06	336.80	270.76	242.20	28.57	9.478		
3,200.00	3,142.57	3,179.15	3,138.59	15.89	13.86	133.30	-264.19	329.50	280.91	251.56	29.36	9.569		
3,300.00	3,240.36	3,276.38	3,234.66	16.39	14.32	139.04	-250.59	323.27	293.81	263.65	30.16	9.741		
3,400.00	3,338.15	3,369.33	3,326.76	16.89	14.74	143.74	-239.23	317.99	309.56	278.64	30.92	10.012		
3,500.00	3,435.93	3,463.95	3,420.78	17.40	15.17	147.68	-229.84	313.17	327.65	295.96	31.69	10.339		
3,600.00	3,533.72	3,560.76	3,517.20	17.90	15.60	150.93	-222.40	308.69	347.44	314.94	32.49	10.692		
3,700.00	3,631.51	3,665.46	3,621.64	18.41	16.05	153.77	-215.66	305.86	366.74	333.34	33.39	10.982		
3,800.00	3,729.30	3,768.70	3,724.78	18.92	16.48	155.86	-211.21	305.97	384.55	350.27	34.27	11.220		
3,900.00	3,827.09	3,868.13	3,824.15	19.42	16.90	157.52	-207.84	307.13	401.95	366.83	35.12	11.446		
4,000.00	3,924.88	3,962.67	3,918.64	19.93	17.29	158.93	-204.94	308.24	419.70	383.78	35.92	11.685		
4,100.00	4,022.67	4,055.81	4,011.76	20.44	17.68	160.10	-203.06	308.39	438.84	402.13	36.71	11.954		
4,200.00	4,120.46	4,153.15	4,109.09	20.95	18.08	161.16	-201.70	307.99	458.79	421.24	37.55	12.218		
4,300.00	4,218.25	4,246.47	4,202.40	21.46	18.47	162.03	-200.94	307.58	479.01	440.66	38.35	12.491		
4,400.00	4,316.04	4,338.88	4,294.80	21.97	18.83	162.65	-201.82	306.18	500.56	461.43	39.13	12.793		
4,500.00	4,413.83	4,438.07	4,393.95	22.48	19.22	163.18	-203.58	304.33	522.61	482.62	39.98	13.071		
4,600.00	4,511.62	4,538.55	4,494.38	22.99	19.61	163.55	-206.35	303.24	544.02	503.17	40.85	13.317		
4,700.00	4,609.41	4,638.05	4,593.83	23.50	20.00	163.82	-209.72	302.62	565.08	523.36	41.71	13.547		
4,800.00	4,707.20	4,740.61	4,696.36	24.01	20.40	164.23	-211.61	302.37	585.63	543.03	42.60	13.747		
4,900.00	4,804.98	4,842.22	4,797.97	24.52	20.80	164.72	-212.30	302.79	605.47	561.99	43.47	13.927		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,939.80	4,895.55	25.03	21.18	165.16	-212.89	303.46	625.07	580.76	44.31	14.106		
5,100.00	5,000.56	5,035.32	4,991.07	25.54	21.56	165.54	-213.74	303.90	644.95	599.81	45.14	14.289		
5,200.00	5,098.35	5,132.19	5,087.93	26.05	21.95	165.89	-214.88	304.20	665.02	619.04	45.97	14.465		
5,300.00	5,196.14	5,220.66	5,176.39	26.56	22.31	166.20	-215.74	303.70	685.94	639.21	46.73	14.678		
5,400.00	5,293.93	5,323.54	5,279.27	27.07	22.73	166.65	-215.49	302.76	707.17	659.52	47.65	14.842		
5,500.00	5,391.72	5,418.44	5,374.15	27.58	23.14	167.12	-214.30	302.08	728.21	679.72	48.48	15.019		
5,600.00	5,489.51	5,503.91	5,459.61	28.09	23.50	167.52	-213.24	300.54	750.34	701.12	49.22	15.244		
5,700.00	5,587.30	5,620.06	5,575.75	28.61	23.98	167.97	-212.68	299.17	771.91	721.64	50.27	15.354		
5,800.00	5,685.09	5,721.06	5,676.73	29.12	24.40	168.19	-214.08	299.56	792.04	740.88	51.16	15.481		
5,900.00	5,782.88	5,820.23	5,775.89	29.63	24.80	168.37	-215.75	299.62	812.52	760.48	52.03	15.615		
6,000.00	5,880.67	5,925.85	5,881.49	30.14	25.23	168.67	-215.87	301.13	831.60	778.64	52.96	15.703		
6,100.00	5,978.46	6,018.19	5,973.83	30.65	25.61	168.95	-215.58	302.03	851.16	797.39	53.77	15.830		
6,200.00	6,076.25	6,113.33	6,068.96	31.17	26.01	169.24	-215.12	302.60	871.12	816.51	54.61	15.952		
6,298.86	6,172.92	6,208.08	6,163.71	31.67	26.40	169.48	-215.11	302.86	891.18	835.74	55.44	16.074		
6,300.00	6,174.03	6,209.18	6,164.81	31.68	26.40	169.40	-215.11	302.87	891.41	835.96	55.45	16.076		
6,350.00	6,223.30	6,257.96	6,213.59	31.92	26.60	163.36	-215.35	302.95	899.59	843.72	55.87	16.101		
6,400.00	6,273.06	6,305.81	6,261.44	32.13	26.80	142.05	-215.61	302.97	903.96	847.69	56.27	16.065		
6,450.00	6,323.01	6,354.23	6,309.86	32.32	26.99	51.75	-215.80	302.89	904.50	847.85	56.65	15.967		
6,500.00	6,372.84	7,873.93	7,239.75	32.48	37.52	157.32	-199.48	1,166.41	878.91	861.36	17.55	50.070		
6,550.00	6,422.24	7,869.41	7,239.56	32.65	37.45	168.11	-199.57	1,161.90	829.30	811.79	17.51	47.367		
6,600.00	6,470.92	7,861.46	7,239.24	32.83	37.32	171.66	-199.75	1,153.96	780.27	762.86	17.41	44.825		
6,650.00	6,518.56	7,850.05	7,238.80	33.01	37.14	173.25	-200.02	1,142.56	732.15	714.90	17.25	42.433		
6,700.00	6,564.89	7,835.15	7,238.27	33.21	36.90	174.09	-200.41	1,127.67	685.27	668.21	17.06	40.178		
6,750.00	6,609.60	7,816.77	7,237.69	33.43	36.61	174.57	-200.96	1,109.31	639.95	623.13	16.82	38.054		
6,800.00	6,652.43	7,793.67	7,237.04	33.66	36.26	174.84	-201.74	1,086.23	596.49	579.90	16.60	35.938		
6,850.00	6,693.10	7,764.33	7,236.19	33.91	35.84	174.96	-202.76	1,056.92	555.07	538.59	16.49	33.667		
6,900.00	6,731.38	7,731.89	7,235.16	34.20	35.37	175.01	-203.87	1,024.52	515.88	499.50	16.38	31.491		
6,950.00	6,767.02	7,697.57	7,233.99	34.51	34.90	175.02	-204.99	990.24	479.14	462.90	16.24	29.503		
7,000.00	6,799.81	7,663.81	7,232.83	34.85	34.45	174.91	-205.38	956.50	445.22	429.26	15.96	27.902		
7,050.00	6,829.54	7,617.62	7,231.03	35.24	33.90	174.48	-204.99	910.34	414.14	397.83	16.31	25.390		
7,100.00	6,856.03	7,569.86	7,228.35	35.66	33.34	174.03	-204.57	862.66	385.53	368.77	16.76	22.999		
7,150.00	6,879.11	7,446.40	7,206.24	36.12	32.11	172.21	-204.82	741.52	354.62	328.80	25.83	13.731		
7,200.00	6,898.65	7,386.32	7,187.04	36.62	31.59	171.66	-206.28	684.63	321.48	292.47	29.01	11.081		
7,250.00	6,914.51	7,309.14	7,155.53	37.15	31.06	170.88	-209.49	614.31	287.66	252.46	35.19	8.174		
7,300.00	6,926.62	7,230.64	7,113.65	37.73	30.61	169.78	-213.33	548.14	251.71	209.38	42.32	5.947		
7,350.00	6,934.88	7,167.98	7,072.12	38.34	30.30	167.80	-214.99	501.32	212.84	165.31	47.52	4.479		
7,400.00	6,939.26	7,121.87	7,038.09	38.97	30.10	165.71	-216.14	470.24	173.39	123.00	50.39	3.441		
7,429.12	6,940.00	7,097.14	7,018.83	39.34	30.00	164.12	-216.86	454.75	150.47	98.63	51.83	2.903		
7,500.00	6,940.19	7,048.16	6,978.97	40.31	29.80	153.73	-217.96	426.32	93.73	39.48	54.26	1.728		
7,600.00	6,940.46	6,993.24	6,932.07	41.80	29.59	96.06	-217.98	397.77	25.04	-45.10	70.14	0.357 Level 1		
7,605.36	6,940.47	6,990.65	6,929.81	41.89	29.58	90.79	-217.95	396.51	24.60	-46.57	71.17	0.346 Level 1, CC, ES, SF		
7,700.00	6,940.72	6,949.67	6,893.44	43.43	29.42	34.96	-217.39	377.63	87.71	28.66	59.04	1.485 Level 3		
7,800.00	6,940.99	6,914.39	6,861.37	45.19	29.28	20.86	-216.69	362.95	177.00	118.56	58.44	3.029		
7,900.00	6,941.25	6,884.79	6,833.98	47.05	29.17	15.56	-216.09	351.77	269.13	210.45	58.68	4.587		
8,000.00	6,941.52	6,859.71	6,810.45	49.02	29.07	12.67	-215.96	343.08	362.71	303.76	58.96	6.152		
8,100.00	6,941.79	6,838.39	6,790.25	51.06	28.99	10.81	-216.15	336.27	457.35	398.14	59.20	7.725		
8,200.00	6,942.05	6,812.00	6,765.02	53.18	28.88	8.98	-216.77	328.58	552.88	493.63	59.25	9.332		
8,300.00	6,942.32	6,812.00	6,765.02	55.37	28.88	8.98	-216.77	328.58	648.93	589.24	59.69	10.871		
8,400.00	6,942.58	6,791.67	6,745.40	57.62	28.80	7.89	-217.29	323.25	745.45	685.72	59.73	12.480		
8,500.00	6,942.85	6,780.24	6,734.32	59.92	28.76	7.39	-217.48	320.49	842.49	782.64	59.85	14.077		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,770.13	6,724.47	62.26	28.72	7.02	-217.58	318.19	939.88	879.94	59.95	15.679		
8,700.00	6,943.38	6,761.12	6,715.68	64.65	28.68	6.72	-217.63	316.25	1,037.57	977.55	60.03	17.285		
8,800.00	6,943.65	6,753.06	6,707.78	67.08	28.65	6.49	-217.62	314.61	1,135.51	1,075.42	60.09	18.896		
8,900.00	6,943.91	6,745.79	6,700.64	69.53	28.62	6.29	-217.59	313.20	1,233.66	1,173.50	60.15	20.509		
9,000.00	6,944.18	6,718.00	6,673.27	72.02	28.51	5.72	-217.19	308.48	1,332.46	1,272.33	60.13	22.160		
9,100.00	6,944.45	6,718.00	6,673.27	74.54	28.51	5.72	-217.19	308.48	1,430.70	1,370.50	60.20	23.765		
9,200.00	6,944.71	6,718.00	6,673.27	77.07	28.51	5.72	-217.19	308.48	1,529.17	1,468.91	60.26	25.375		
9,300.00	6,944.98	6,718.00	6,673.27	79.63	28.51	5.72	-217.19	308.48	1,627.83	1,567.51	60.31	26.990		
9,400.00	6,945.24	6,718.00	6,673.27	82.21	28.51	5.72	-217.19	308.48	1,726.64	1,666.28	60.35	28.608		
9,500.00	6,945.51	6,718.00	6,673.27	84.81	28.51	5.72	-217.19	308.48	1,825.58	1,765.19	60.39	30.229		
9,600.00	6,945.78	6,718.00	6,673.27	87.43	28.51	5.72	-217.19	308.48	1,924.63	1,864.20	60.42	31.852		
9,700.00	6,946.04	6,718.00	6,673.27	90.05	28.51	5.72	-217.19	308.48	2,023.77	1,963.32	60.46	33.476		
9,800.00	6,946.31	6,718.00	6,673.27	92.70	28.51	5.72	-217.19	308.48	2,123.00	2,062.51	60.48	35.100		
9,900.00	6,946.57	6,718.00	6,673.27	95.35	28.51	5.72	-217.19	308.48	2,222.29	2,161.78	60.51	36.725		
10,000.00	6,946.84	6,718.00	6,673.27	98.02	28.51	5.72	-217.19	308.48	2,321.64	2,261.11	60.54	38.349		
10,100.00	6,947.11	6,718.00	6,673.27	100.70	28.51	5.72	-217.19	308.48	2,421.05	2,360.49	60.57	39.974		
10,200.00	6,947.37	6,718.00	6,673.27	103.38	28.51	5.72	-217.19	308.48	2,520.51	2,459.91	60.59	41.597		
10,300.00	6,947.64	6,718.00	6,673.27	106.08	28.51	5.72	-217.19	308.48	2,620.00	2,559.38	60.62	43.219		
10,400.00	6,947.90	6,718.00	6,673.27	108.78	28.51	5.72	-217.19	308.48	2,719.54	2,658.89	60.65	44.840		
10,500.00	6,948.17	6,718.00	6,673.27	111.49	28.51	5.72	-217.19	308.48	2,819.10	2,758.42	60.68	46.460		
10,600.00	6,948.44	6,718.00	6,673.27	114.21	28.51	5.72	-217.19	308.48	2,918.70	2,857.99	60.71	48.078		
10,700.00	6,948.70	6,718.00	6,673.27	116.94	28.51	5.72	-217.19	308.48	3,018.32	2,957.58	60.74	49.695		
10,800.00	6,948.97	6,718.00	6,673.27	119.67	28.51	5.72	-217.19	308.48	3,117.97	3,057.20	60.77	51.309		
10,900.00	6,949.24	6,718.00	6,673.27	122.41	28.51	5.72	-217.19	308.48	3,217.63	3,156.83	60.80	52.921		
11,000.00	6,949.50	6,718.00	6,673.27	125.15	28.51	5.72	-217.19	308.48	3,317.32	3,256.49	60.83	54.531		
11,100.00	6,949.77	6,718.00	6,673.27	127.90	28.51	5.72	-217.19	308.48	3,417.03	3,356.16	60.87	56.139		
11,200.00	6,950.03	6,678.78	6,634.34	130.65	28.34	5.10	-216.52	303.81	3,515.26	3,454.36	60.90	57.720		
11,300.00	6,950.30	6,677.58	6,633.14	133.41	28.34	5.08	-216.51	303.71	3,614.91	3,553.98	60.94	59.321		
11,400.00	6,950.57	6,676.43	6,632.00	136.17	28.33	5.07	-216.50	303.61	3,714.58	3,653.61	60.98	60.919		
11,500.00	6,950.83	6,675.33	6,630.90	138.94	28.33	5.05	-216.49	303.52	3,814.27	3,753.25	61.01	62.514		
11,600.00	6,951.10	6,674.28	6,629.86	141.71	28.33	5.03	-216.48	303.44	3,913.96	3,852.91	61.05	64.106		
11,700.00	6,951.36	6,673.28	6,628.86	144.48	28.32	5.02	-216.47	303.36	4,013.67	3,952.58	61.09	65.696		
11,800.00	6,951.63	6,672.32	6,627.90	147.26	28.32	5.01	-216.46	303.29	4,113.40	4,052.26	61.14	67.282		
11,900.00	6,951.90	6,671.40	6,626.98	150.03	28.31	4.99	-216.45	303.22	4,213.13	4,151.95	61.18	68.865		
12,000.00	6,952.16	6,670.51	6,626.10	152.82	28.31	4.98	-216.44	303.15	4,312.87	4,251.65	61.22	70.445		
12,100.00	6,952.43	6,669.66	6,625.25	155.60	28.31	4.97	-216.43	303.09	4,412.63	4,351.36	61.27	72.022		
12,200.00	6,952.69	6,668.85	6,624.44	158.39	28.30	4.95	-216.43	303.03	4,512.39	4,451.08	61.31	73.595		
12,300.00	6,952.96	6,668.06	6,623.66	161.18	28.30	4.94	-216.42	302.98	4,612.17	4,550.81	61.36	75.165		
12,400.00	6,953.23	6,667.31	6,622.90	163.97	28.30	4.93	-216.42	302.93	4,711.95	4,650.54	61.41	76.731		
12,500.00	6,953.49	6,666.58	6,622.18	166.77	28.29	4.92	-216.41	302.88	4,811.74	4,750.28	61.46	78.294		
12,600.00	6,953.76	6,665.88	6,621.48	169.56	28.29	4.91	-216.40	302.83	4,911.54	4,850.03	61.51	79.853		
12,700.00	6,954.02	6,625.00	6,580.63	172.36	28.12	4.35	-216.35	301.54	5,012.84	4,951.28	61.56	81.433		
12,800.00	6,954.29	6,625.00	6,580.63	175.16	28.12	4.35	-216.35	301.54	5,112.60	5,050.99	61.61	82.984		
12,900.00	6,954.56	6,625.00	6,580.63	177.97	28.12	4.35	-216.35	301.54	5,212.37	5,150.71	61.66	84.530		
13,000.00	6,954.82	6,625.00	6,580.63	180.77	28.12	4.35	-216.35	301.54	5,312.15	5,250.43	61.72	86.073		
13,100.00	6,955.09	6,625.00	6,580.63	183.58	28.12	4.35	-216.35	301.54	5,411.94	5,350.16	61.77	87.612		
13,200.00	6,955.35	6,625.00	6,580.63	186.38	28.12	4.35	-216.35	301.54	5,511.73	5,449.90	61.83	89.147		
13,300.00	6,955.62	6,625.00	6,580.63	189.19	28.12	4.35	-216.35	301.54	5,611.53	5,549.65	61.88	90.678		
13,400.00	6,955.89	6,625.00	6,580.63	192.00	28.12	4.35	-216.35	301.54	5,711.34	5,649.40	61.94	92.204		
13,500.00	6,956.15	6,625.00	6,580.63	194.82	28.12	4.35	-216.35	301.54	5,811.16	5,749.15	62.00	93.726		
13,600.00	6,956.42	6,625.00	6,580.63	197.63	28.12	4.35	-216.35	301.54	5,910.98	5,848.92	62.06	95.244		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,625.00	6,580.63	200.44	28.12	4.35	-216.35	301.54	6,010.80	5,948.68	62.12	96.758		
13,800.00	6,956.95	6,625.00	6,580.63	203.26	28.12	4.35	-216.35	301.54	6,110.64	6,048.45	62.18	98.267		
13,900.00	6,957.22	6,625.00	6,580.63	206.08	28.12	4.35	-216.35	301.54	6,210.48	6,148.23	62.25	99.771		
14,000.00	6,957.48	6,625.00	6,580.63	208.89	28.12	4.35	-216.35	301.54	6,310.32	6,248.01	62.31	101.271		
14,100.00	6,957.75	6,625.00	6,580.63	211.71	28.12	4.35	-216.35	301.54	6,410.17	6,347.79	62.38	102.767		
14,200.00	6,958.02	6,625.00	6,580.63	214.53	28.12	4.35	-216.35	301.54	6,510.02	6,447.58	62.44	104.258		
14,300.00	6,958.28	6,625.00	6,580.63	217.36	28.12	4.35	-216.35	301.54	6,609.88	6,547.37	62.51	105.744		
14,400.00	6,958.55	6,625.00	6,580.63	220.18	28.12	4.35	-216.35	301.54	6,709.74	6,647.16	62.58	107.225		
14,500.00	6,958.81	6,625.00	6,580.63	223.00	28.12	4.35	-216.35	301.54	6,809.61	6,746.96	62.64	108.702		
14,600.00	6,959.08	6,625.00	6,580.63	225.83	28.12	4.35	-216.35	301.54	6,909.47	6,846.76	62.71	110.174		
14,700.00	6,959.35	6,625.00	6,580.63	228.65	28.12	4.35	-216.35	301.54	7,009.35	6,946.56	62.78	111.641		
14,800.00	6,959.61	6,625.00	6,580.63	231.48	28.12	4.35	-216.35	301.54	7,109.23	7,046.37	62.86	113.103		
14,900.00	6,959.88	6,625.00	6,580.63	234.30	28.12	4.35	-216.35	301.54	7,209.11	7,146.18	62.93	114.560		
15,000.00	6,960.14	6,625.00	6,580.63	237.13	28.12	4.35	-216.35	301.54	7,308.99	7,245.99	63.00	116.012		
15,100.00	6,960.41	6,625.00	6,580.63	239.96	28.12	4.35	-216.35	301.54	7,408.88	7,345.80	63.08	117.460		
15,200.00	6,960.68	6,625.00	6,580.63	242.79	28.12	4.35	-216.35	301.54	7,508.77	7,445.61	63.15	118.902		
15,300.00	6,960.94	6,625.00	6,580.63	245.62	28.12	4.35	-216.35	301.54	7,608.66	7,545.43	63.23	120.339		
15,400.00	6,961.21	6,625.00	6,580.63	248.45	28.12	4.35	-216.35	301.54	7,708.55	7,645.25	63.30	121.771		
15,500.00	6,961.47	6,625.00	6,580.63	251.28	28.12	4.35	-216.35	301.54	7,808.45	7,745.07	63.38	123.197		
15,600.00	6,961.74	6,625.00	6,580.63	254.11	28.12	4.35	-216.35	301.54	7,908.35	7,844.89	63.46	124.619		
15,700.00	6,962.01	6,625.00	6,580.63	256.94	28.12	4.35	-216.35	301.54	8,008.26	7,944.72	63.54	126.035		
15,800.00	6,962.27	6,625.00	6,580.63	259.77	28.12	4.35	-216.35	301.54	8,108.16	8,044.54	63.62	127.447		
15,900.00	6,962.54	6,625.00	6,580.63	262.61	28.12	4.35	-216.35	301.54	8,208.07	8,144.37	63.70	128.852		
16,000.00	6,962.80	6,625.00	6,580.63	265.44	28.12	4.35	-216.35	301.54	8,307.98	8,244.20	63.78	130.253		
16,100.00	6,963.07	6,625.00	6,580.63	268.28	28.12	4.35	-216.35	301.54	8,407.89	8,344.03	63.87	131.648		
16,200.00	6,963.34	6,625.00	6,580.63	271.11	28.12	4.35	-216.35	301.54	8,507.81	8,443.86	63.95	133.038		
16,300.00	6,963.60	6,625.00	6,580.63	273.95	28.12	4.35	-216.35	301.54	8,607.72	8,543.69	64.03	134.423		
16,400.00	6,963.87	6,625.00	6,580.63	276.78	28.12	4.35	-216.35	301.54	8,707.64	8,643.52	64.12	135.802		
16,500.00	6,964.13	6,625.00	6,580.63	279.62	28.12	4.35	-216.35	301.54	8,807.56	8,743.35	64.21	137.176		
16,600.00	6,964.40	6,625.00	6,580.63	282.46	28.12	4.35	-216.35	301.54	8,907.48	8,843.19	64.29	138.545		
16,700.00	6,964.67	6,625.00	6,580.63	285.29	28.12	4.35	-216.35	301.54	9,007.41	8,943.02	64.38	139.908		
16,800.00	6,964.93	6,625.00	6,580.63	288.13	28.12	4.35	-216.35	301.54	9,107.33	9,042.86	64.47	141.266		
16,900.00	6,965.20	6,625.00	6,580.63	290.97	28.12	4.35	-216.35	301.54	9,207.26	9,142.70	64.56	142.618		
17,000.00	6,965.46	6,625.00	6,580.63	293.81	28.12	4.35	-216.35	301.54	9,307.19	9,242.54	64.65	143.964		
17,100.00	6,965.73	6,625.00	6,580.63	296.65	28.12	4.35	-216.35	301.54	9,407.12	9,342.38	64.74	145.306		
17,200.00	6,966.00	6,625.00	6,580.63	299.49	28.12	4.35	-216.35	301.54	9,507.05	9,442.22	64.83	146.641		
17,300.00	6,966.26	6,625.00	6,580.63	302.32	28.12	4.35	-216.35	301.54	9,606.98	9,542.06	64.92	147.972		
17,400.00	6,966.53	6,625.00	6,580.63	305.16	28.12	4.35	-216.35	301.54	9,706.92	9,641.90	65.02	149.296		
17,500.00	6,966.80	6,625.00	6,580.63	308.00	28.12	4.35	-216.35	301.54	9,806.85	9,741.74	65.11	150.616		
17,600.00	6,967.06	6,625.00	6,580.63	310.85	28.12	4.35	-216.35	301.54	9,906.79	9,841.58	65.21	151.929		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	136.68	-537.71	506.98	739.11					
100.00	100.00	92.50	92.49	3.28	3.29	136.78	-538.41	505.92	738.82	732.25	6.57	112.432		
200.00	200.00	197.01	196.91	3.34	3.32	137.11	-540.77	502.27	738.08	731.43	6.66	110.897		
300.00	299.98	305.95	305.78	3.44	3.42	37.49	-541.60	498.74	735.07	728.20	6.87	107.024		
400.00	399.84	432.81	432.53	3.60	3.62	37.89	-537.70	495.49	726.96	719.72	7.24	100.361		
500.00	499.45	558.68	557.98	3.80	3.89	38.59	-529.90	488.99	712.02	704.27	7.75	91.871		
600.00	598.70	657.27	656.05	4.05	4.14	39.44	-522.08	482.54	692.32	684.08	8.24	84.067		
700.00	697.47	829.07	825.65	4.33	4.66	41.49	-503.29	464.22	665.33	656.17	9.16	72.609		
803.50	799.05	918.50	913.07	4.67	4.96	43.24	-489.72	451.15	629.25	619.52	9.73	64.682		
900.00	893.41	989.95	983.30	5.02	5.21	44.38	-480.08	442.23	597.10	586.86	10.24	58.291		
1,000.00	991.20	1,067.81	1,060.21	5.41	5.50	45.76	-471.49	433.60	566.87	556.03	10.84	52.304		
1,100.00	1,088.99	1,162.90	1,154.28	5.81	5.86	47.70	-462.41	423.18	538.37	526.82	11.55	46.612		
1,200.00	1,186.78	1,263.64	1,253.84	6.23	6.25	49.99	-452.27	411.58	509.80	497.48	12.32	41.393		
1,300.00	1,284.57	1,352.21	1,341.41	6.67	6.61	52.15	-442.99	402.08	482.04	468.97	13.07	36.893		
1,400.00	1,382.36	1,445.96	1,434.17	7.12	6.99	54.62	-433.31	392.61	455.51	441.65	13.86	32.864		
1,500.00	1,480.15	1,543.18	1,530.34	7.57	7.39	57.45	-422.91	382.89	429.63	414.94	14.69	29.249		
1,600.00	1,577.94	1,639.34	1,625.38	8.03	7.80	60.54	-411.85	373.36	404.16	388.63	15.54	26.013		
1,700.00	1,675.73	1,728.79	1,713.91	8.50	8.18	63.68	-401.86	365.20	380.50	364.10	16.40	23.208		
1,800.00	1,773.52	1,823.68	1,807.87	8.98	8.58	67.38	-391.70	356.79	358.76	341.47	17.29	20.754		
1,900.00	1,871.31	1,922.68	1,905.83	9.45	9.01	71.72	-380.57	347.75	338.17	319.97	18.20	18.578		
2,000.00	1,969.10	2,012.53	1,994.74	9.94	9.39	76.02	-370.25	340.01	319.46	300.33	19.13	16.699		
2,100.00	2,066.88	2,098.60	2,080.17	10.42	9.76	80.44	-362.19	333.26	305.11	285.05	20.06	15.212		
2,200.00	2,164.67	2,187.31	2,168.47	10.91	10.14	85.15	-356.37	327.12	295.92	274.94	20.98	14.107		
2,300.00	2,262.46	2,275.79	2,256.73	11.40	10.50	89.77	-352.66	322.23	291.41	269.54	21.87	13.325		
2,338.06	2,299.68	2,309.46	2,290.33	11.59	10.64	91.56	-351.90	320.25	291.05	268.85	22.20	13.111		
2,400.00	2,360.25	2,366.02	2,346.83	11.89	10.87	94.39	-351.39	317.63	291.84	269.11	22.73	12.839		
2,500.00	2,458.04	2,464.66	2,445.43	12.39	11.26	98.88	-351.61	314.86	295.35	271.72	23.63	12.499		
2,600.00	2,555.83	2,556.92	2,537.65	12.88	11.63	103.03	-351.59	312.04	300.57	276.10	24.46	12.286		
2,700.00	2,653.62	2,654.58	2,635.26	13.38	12.00	106.85	-353.86	310.37	308.95	283.63	25.32	12.203		
2,800.00	2,751.41	2,761.22	2,741.87	13.88	12.42	110.43	-355.67	311.28	316.86	290.62	26.24	12.076		
2,900.00	2,849.20	2,858.06	2,838.69	14.38	12.81	113.99	-354.67	310.58	324.44	297.35	27.09	11.975		
3,000.00	2,946.99	2,951.26	2,931.89	14.88	13.18	117.08	-355.01	310.19	334.17	306.27	27.90	11.977		
3,100.00	3,044.78	3,056.18	3,036.78	15.38	13.58	119.96	-356.79	311.77	344.71	315.92	28.79	11.975		
3,200.00	3,142.57	3,156.36	3,136.95	15.89	13.97	122.69	-356.79	313.59	354.54	324.90	29.64	11.963		
3,300.00	3,240.36	3,251.69	3,232.27	16.39	14.36	125.36	-355.89	314.22	365.27	334.82	30.45	11.994		
3,400.00	3,338.15	3,346.56	3,327.13	16.89	14.75	127.94	-355.16	314.00	377.58	346.31	31.27	12.075		
3,500.00	3,435.93	3,444.51	3,425.08	17.40	15.16	130.47	-354.40	313.44	390.92	358.80	32.11	12.174		
3,600.00	3,533.72	3,540.23	3,520.79	17.90	15.56	132.81	-353.61	312.53	405.23	372.30	32.93	12.306		
3,700.00	3,631.51	3,638.06	3,618.60	18.41	15.97	135.16	-352.30	310.95	420.47	386.70	33.76	12.453		
3,800.00	3,729.30	3,741.81	3,722.34	18.92	16.39	137.18	-352.30	311.12	435.58	400.94	34.64	12.574		
3,900.00	3,827.09	3,846.75	3,827.26	19.42	16.81	138.94	-352.31	313.39	449.45	413.93	35.52	12.653		
4,000.00	3,924.88	3,944.11	3,924.58	19.93	17.20	140.55	-351.46	315.88	462.91	426.57	36.35	12.736		
4,100.00	4,022.67	4,035.36	4,015.81	20.44	17.56	141.85	-351.93	317.86	477.70	440.57	37.13	12.867		
4,200.00	4,120.46	4,127.55	4,107.96	20.95	17.93	142.97	-354.07	319.05	494.29	456.38	37.91	13.038		
4,300.00	4,218.25	4,219.16	4,199.51	21.46	18.30	143.91	-357.26	319.95	511.88	473.19	38.69	13.230		
4,400.00	4,316.04	4,305.75	4,286.03	21.97	18.64	144.79	-360.74	319.02	531.62	492.21	39.41	13.488		
4,500.00	4,413.83	4,401.13	4,381.31	22.48	19.03	145.85	-363.74	316.03	553.02	512.79	40.23	13.746		
4,600.00	4,511.62	4,513.86	4,494.00	22.99	19.50	147.14	-365.42	313.60	573.12	531.88	41.24	13.898		
4,700.00	4,609.41	4,626.74	4,606.87	23.50	19.96	148.39	-365.44	313.87	590.70	548.49	42.21	13.994		
4,800.00	4,707.20	4,732.10	4,712.21	24.01	20.39	149.50	-364.52	315.95	606.57	563.46	43.11	14.070		
4,900.00	4,804.98	4,835.23	4,815.29	24.52	20.82	150.49	-363.75	319.00	621.77	577.78	43.99	14.133		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 11N-7A-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,000.00	4,902.77	4,918.20	4,898.24	25.03	21.16	151.25	-363.35	320.89	637.86	593.13	44.73	14.261		
5,100.00	5,000.56	5,006.16	4,986.19	25.54	21.52	152.04	-363.28	321.00	656.20	610.71	45.49	14.426		
5,200.00	5,098.35	5,100.15	5,080.18	26.05	21.91	152.79	-364.00	320.36	675.68	629.38	46.30	14.592		
5,300.00	5,196.14	5,197.20	5,177.22	26.56	22.31	153.49	-365.25	319.58	695.53	648.38	47.15	14.751		
5,400.00	5,293.93	5,288.12	5,268.12	27.07	22.69	154.08	-366.91	318.60	715.88	667.94	47.94	14.933		
5,500.00	5,391.72	5,381.20	5,361.16	27.58	23.08	154.69	-368.36	316.67	737.18	688.44	48.75	15.122		
5,600.00	5,489.51	5,497.90	5,477.84	28.09	23.57	155.53	-368.36	314.72	757.87	708.07	49.80	15.218		
5,700.00	5,587.30	5,597.79	5,577.73	28.61	24.00	156.27	-367.19	314.51	776.95	726.27	50.68	15.331		
5,800.00	5,685.09	5,689.87	5,669.79	29.12	24.39	156.97	-365.52	313.86	796.48	745.00	51.49	15.470		
5,900.00	5,782.88	5,796.96	5,776.88	29.63	24.84	157.68	-364.36	313.61	815.85	763.42	52.43	15.560		
6,000.00	5,880.67	5,899.20	5,879.10	30.14	25.27	158.28	-363.53	314.66	834.13	780.81	53.33	15.642		
6,100.00	5,978.46	5,988.56	5,968.46	30.65	25.64	158.75	-363.55	315.19	853.07	798.96	54.11	15.765		
6,200.00	6,076.25	6,083.91	6,063.80	31.17	26.04	159.14	-365.02	315.27	872.84	817.89	54.95	15.884		
6,298.86	6,172.92	7,647.00	6,963.19	31.67	37.91	129.72	-355.48	1,223.78	814.82	795.52	19.30	42.221		
6,300.00	6,174.03	7,647.00	6,963.19	31.68	37.91	129.34	-355.48	1,223.78	813.71	794.39	19.31	42.133		
6,350.00	6,223.30	7,659.40	6,962.65	31.92	38.13	102.10	-355.16	1,236.16	764.55	744.81	19.75	38.716		
6,400.00	6,273.06	7,661.06	6,962.59	32.13	38.16	53.82	-355.12	1,237.83	715.22	694.91	20.30	35.230		
6,450.00	6,323.01	7,659.93	6,962.63	32.32	38.14	-61.49	-355.15	1,236.70	665.95	645.07	20.88	31.897		
6,500.00	6,372.84	7,655.86	6,962.80	32.48	38.07	-110.07	-355.25	1,232.64	617.09	595.58	21.50	28.699		
6,550.00	6,422.24	7,649.10	6,963.10	32.65	37.94	-127.52	-355.42	1,225.88	568.99	546.79	22.20	25.631		
6,600.00	6,470.92	7,636.39	6,963.70	32.83	37.73	-136.11	-355.76	1,213.19	522.01	498.95	23.06	22.634		
6,650.00	6,518.56	7,620.04	6,964.49	33.01	37.46	-141.02	-356.23	1,196.87	476.49	452.39	24.10	19.775		
6,700.00	6,564.89	7,600.11	6,965.50	33.21	37.13	-143.84	-356.84	1,176.97	432.78	407.44	25.35	17.075		
6,750.00	6,609.60	7,576.68	6,966.73	33.43	36.74	-145.31	-357.60	1,153.58	391.25	364.38	26.87	14.562		
6,800.00	6,652.43	7,549.67	6,968.21	33.66	36.30	-145.75	-358.54	1,126.64	352.26	323.54	28.72	12.264		
6,850.00	6,693.10	7,518.38	6,969.96	33.91	35.83	-145.27	-359.69	1,095.42	316.12	285.12	31.00	10.199		
6,900.00	6,731.38	7,484.17	6,971.84	34.20	35.31	-144.08	-360.98	1,061.28	283.11	249.42	33.69	8.404		
6,950.00	6,767.02	7,446.41	6,973.89	34.51	34.77	-142.15	-362.42	1,023.60	253.54	216.70	36.84	6.882		
7,000.00	6,799.81	7,404.66	6,975.95	34.85	34.20	-139.47	-363.73	981.92	227.40	186.99	40.40	5.628		
7,050.00	6,829.54	7,358.98	6,977.89	35.24	33.59	-136.07	-364.70	936.29	204.70	160.44	44.25	4.625		
7,100.00	6,856.03	7,297.81	6,976.03	35.66	32.86	-129.84	-365.12	875.19	183.25	133.99	49.27	3.720		
7,150.00	6,879.11	7,243.57	6,968.42	36.12	32.25	-122.65	-364.58	821.52	162.47	107.53	54.93	2.957		
7,200.00	6,898.65	7,194.16	6,957.13	36.62	31.72	-114.35	-363.36	773.44	143.96	83.34	60.61	2.375		
7,250.00	6,914.51	7,147.99	6,943.10	37.15	31.28	-104.76	-361.59	729.50	129.18	63.68	65.50	1.972		
7,300.00	6,926.62	7,103.72	6,926.99	37.73	30.89	-94.00	-359.22	688.34	119.54	51.17	68.36	1.749		
7,349.65	6,934.84	7,062.77	6,909.81	38.33	30.55	-83.00	-356.59	651.27	116.05	47.73	68.31	1.699	CC, ES, SF	
7,350.00	6,934.88	7,062.50	6,909.69	38.34	30.55	-82.92	-356.57	651.03	116.05	47.74	68.30	1.699		
7,400.00	6,939.26	7,024.05	6,891.32	38.97	30.27	-72.22	-354.48	617.33	119.62	53.88	65.73	1.820		
7,429.12	6,940.00	7,002.18	6,879.92	39.34	30.11	-66.31	-353.50	598.69	124.64	60.99	63.66	1.958		
7,500.00	6,940.19	6,951.59	6,851.05	40.31	29.80	-54.62	-351.78	557.20	145.52	87.00	58.52	2.487		
7,600.00	6,940.46	6,888.74	6,810.70	41.80	29.44	-42.42	-350.39	509.07	192.90	138.81	54.09	3.566		
7,700.00	6,940.72	6,831.47	6,770.35	43.43	29.16	-33.93	-349.19	468.46	253.80	201.16	52.64	4.822		
7,800.00	6,940.99	6,784.59	6,735.15	45.19	28.94	-28.53	-347.99	437.53	323.13	270.07	53.07	6.089		
7,900.00	6,941.25	6,748.19	6,706.25	47.05	28.78	-25.25	-347.73	415.41	399.07	344.84	54.23	7.359		
8,000.00	6,941.52	6,707.00	6,671.95	49.02	28.61	-22.35	-348.44	392.64	479.99	425.18	54.80	8.758		
8,100.00	6,941.79	6,707.00	6,671.95	51.06	28.61	-22.35	-348.44	392.64	564.43	507.62	56.81	9.936		
8,200.00	6,942.05	6,670.92	6,640.57	53.18	28.47	-20.39	-350.03	374.91	650.93	593.88	57.06	11.409		
8,300.00	6,942.32	6,652.84	6,624.42	55.37	28.39	-19.58	-351.20	366.89	739.96	682.28	57.68	12.828		
8,400.00	6,942.58	6,612.00	6,586.99	57.62	28.23	-18.11	-354.78	350.97	831.67	773.95	57.72	14.409		
8,500.00	6,942.85	6,612.00	6,586.99	59.92	28.23	-18.11	-354.78	350.97	922.80	864.38	58.42	15.796		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,612.00	6,586.99	62.26	28.23	-18.11	-354.78	350.97	1,015.61	956.69	58.92	17.236		
8,700.00	6,943.38	6,612.00	6,586.99	64.65	28.23	-18.11	-354.78	350.97	1,109.67	1,050.38	59.29	18.715		
8,800.00	6,943.65	6,612.00	6,586.99	67.08	28.23	-18.11	-354.78	350.97	1,204.68	1,145.12	59.57	20.224		
8,900.00	6,943.91	6,580.52	6,557.38	69.53	28.10	-17.18	-357.83	340.76	1,299.16	1,239.58	59.57	21.808		
9,000.00	6,944.18	6,572.26	6,549.51	72.02	28.07	-16.94	-358.57	338.38	1,394.79	1,335.06	59.73	23.353		
9,100.00	6,944.45	6,564.80	6,542.36	74.54	28.04	-16.74	-359.22	336.32	1,490.85	1,430.99	59.86	24.906		
9,200.00	6,944.71	6,558.02	6,535.84	77.07	28.01	-16.55	-359.79	334.54	1,587.27	1,527.30	59.97	26.467		
9,300.00	6,944.98	6,551.83	6,529.87	79.63	27.99	-16.38	-360.30	332.99	1,684.02	1,623.94	60.07	28.033		
9,400.00	6,945.24	6,518.00	6,496.93	82.21	27.85	-15.50	-362.80	325.75	1,781.99	1,721.93	60.07	29.666		
9,500.00	6,945.51	6,518.00	6,496.93	84.81	27.85	-15.50	-362.80	325.75	1,878.94	1,818.76	60.18	31.224		
9,600.00	6,945.78	6,518.00	6,496.93	87.43	27.85	-15.50	-362.80	325.75	1,976.18	1,915.92	60.27	32.790		
9,700.00	6,946.04	6,518.00	6,496.93	90.05	27.85	-15.50	-362.80	325.75	2,073.69	2,013.34	60.35	34.363		
9,800.00	6,946.31	6,518.00	6,496.93	92.70	27.85	-15.50	-362.80	325.75	2,171.43	2,111.01	60.42	35.940		
9,900.00	6,946.57	6,518.00	6,496.93	95.35	27.85	-15.50	-362.80	325.75	2,269.36	2,208.88	60.48	37.522		
10,000.00	6,946.84	6,518.00	6,496.93	98.02	27.85	-15.50	-362.80	325.75	2,367.46	2,306.93	60.54	39.107		
10,100.00	6,947.11	6,518.00	6,496.93	100.70	27.85	-15.50	-362.80	325.75	2,465.72	2,405.13	60.59	40.695		
10,200.00	6,947.37	6,518.00	6,496.93	103.38	27.85	-15.50	-362.80	325.75	2,564.11	2,503.47	60.64	42.284		
10,300.00	6,947.64	6,518.00	6,496.93	106.08	27.85	-15.50	-362.80	325.75	2,662.63	2,601.94	60.69	43.876		
10,400.00	6,947.90	6,518.00	6,496.93	108.78	27.85	-15.50	-362.80	325.75	2,761.25	2,700.52	60.73	45.468		
10,500.00	6,948.17	6,518.00	6,496.93	111.49	27.85	-15.50	-362.80	325.75	2,859.96	2,799.19	60.77	47.060		
10,600.00	6,948.44	6,518.00	6,496.93	114.21	27.85	-15.50	-362.80	325.75	2,958.76	2,897.95	60.81	48.653		
10,700.00	6,948.70	6,518.00	6,496.93	116.94	27.85	-15.50	-362.80	325.75	3,057.64	2,996.79	60.85	50.246		
10,800.00	6,948.97	6,518.00	6,496.93	119.67	27.85	-15.50	-362.80	325.75	3,156.59	3,095.70	60.89	51.838		
10,900.00	6,949.24	6,518.00	6,496.93	122.41	27.85	-15.50	-362.80	325.75	3,255.60	3,194.67	60.93	53.430		
11,000.00	6,949.50	6,518.00	6,496.93	125.15	27.85	-15.50	-362.80	325.75	3,354.68	3,293.71	60.97	55.020		
11,100.00	6,949.77	6,518.00	6,496.93	127.90	27.85	-15.50	-362.80	325.75	3,453.80	3,392.79	61.01	56.609		
11,200.00	6,950.03	6,518.00	6,496.93	130.65	27.85	-15.50	-362.80	325.75	3,552.98	3,491.93	61.05	58.197		
11,300.00	6,950.30	6,479.12	6,458.60	133.41	27.69	-14.54	-365.04	319.60	3,651.01	3,589.92	61.09	59.763		
11,400.00	6,950.57	6,476.90	6,456.40	136.17	27.68	-14.49	-365.15	319.31	3,750.14	3,689.00	61.13	61.344		
11,500.00	6,950.83	6,474.77	6,454.30	138.94	27.67	-14.44	-365.25	319.03	3,849.30	3,788.13	61.18	62.922		
11,600.00	6,951.10	6,472.73	6,452.28	141.71	27.66	-14.39	-365.34	318.78	3,948.50	3,887.28	61.22	64.498		
11,700.00	6,951.36	6,470.78	6,450.34	144.48	27.66	-14.35	-365.43	318.54	4,047.74	3,986.48	61.26	66.072		
11,800.00	6,951.63	6,468.91	6,448.49	147.26	27.65	-14.30	-365.51	318.31	4,147.00	4,085.70	61.31	67.644		
11,900.00	6,951.90	6,467.11	6,446.71	150.03	27.64	-14.26	-365.59	318.10	4,246.30	4,184.95	61.35	69.213		
12,000.00	6,952.16	6,465.39	6,444.99	152.82	27.63	-14.22	-365.66	317.90	4,345.62	4,284.22	61.40	70.779		
12,100.00	6,952.43	6,463.73	6,443.34	155.60	27.63	-14.18	-365.73	317.71	4,444.97	4,383.53	61.44	72.343		
12,200.00	6,952.69	6,425.00	6,404.79	158.39	27.47	-13.30	-366.93	314.31	4,545.39	4,483.89	61.50	73.914		
12,300.00	6,952.96	6,425.00	6,404.79	161.18	27.47	-13.30	-366.93	314.31	4,644.70	4,583.16	61.54	75.469		
12,400.00	6,953.23	6,425.00	6,404.79	163.97	27.47	-13.30	-366.93	314.31	4,744.04	4,682.44	61.59	77.022		
12,500.00	6,953.49	6,425.00	6,404.79	166.77	27.47	-13.30	-366.93	314.31	4,843.40	4,781.76	61.64	78.572		
12,600.00	6,953.76	6,425.00	6,404.79	169.56	27.47	-13.30	-366.93	314.31	4,942.79	4,881.10	61.69	80.119		
12,700.00	6,954.02	6,425.00	6,404.79	172.36	27.47	-13.30	-366.93	314.31	5,042.21	4,980.46	61.74	81.663		
12,800.00	6,954.29	6,425.00	6,404.79	175.16	27.47	-13.30	-366.93	314.31	5,141.64	5,079.85	61.80	83.203		
12,900.00	6,954.56	6,425.00	6,404.79	177.97	27.47	-13.30	-366.93	314.31	5,241.10	5,179.25	61.85	84.741		
13,000.00	6,954.82	6,425.00	6,404.79	180.77	27.47	-13.30	-366.93	314.31	5,340.58	5,278.68	61.90	86.274		
13,100.00	6,955.09	6,425.00	6,404.79	183.58	27.47	-13.30	-366.93	314.31	5,440.08	5,378.12	61.96	87.804		
13,200.00	6,955.35	6,425.00	6,404.79	186.38	27.47	-13.30	-366.93	314.31	5,539.60	5,477.58	62.01	89.331		
13,300.00	6,955.62	6,425.00	6,404.79	189.19	27.47	-13.30	-366.93	314.31	5,639.13	5,577.06	62.07	90.854		
13,400.00	6,955.89	6,425.00	6,404.79	192.00	27.47	-13.30	-366.93	314.31	5,738.68	5,676.55	62.13	92.373		
13,500.00	6,956.15	6,425.00	6,404.79	194.82	27.47	-13.30	-366.93	314.31	5,838.24	5,776.06	62.18	93.888		
13,600.00	6,956.42	6,425.00	6,404.79	197.63	27.47	-13.30	-366.93	314.31	5,937.82	5,875.58	62.24	95.399		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,700.00	6,956.68	6,425.00	6,404.79	200.44	27.47	-13.30	-366.93	314.31	6,037.42	5,975.12	62.30	96.906		
13,800.00	6,956.95	6,425.00	6,404.79	203.26	27.47	-13.30	-366.93	314.31	6,137.02	6,074.66	62.36	98.409		
13,900.00	6,957.22	6,425.00	6,404.79	206.08	27.47	-13.30	-366.93	314.31	6,236.64	6,174.22	62.42	99.908		
14,000.00	6,957.48	6,425.00	6,404.79	208.89	27.47	-13.30	-366.93	314.31	6,336.27	6,273.79	62.49	101.403		
14,100.00	6,957.75	6,425.00	6,404.79	211.71	27.47	-13.30	-366.93	314.31	6,435.92	6,373.37	62.55	102.894		
14,200.00	6,958.02	6,425.00	6,404.79	214.53	27.47	-13.30	-366.93	314.31	6,535.57	6,472.96	62.61	104.380		
14,300.00	6,958.28	6,425.00	6,404.79	217.36	27.47	-13.30	-366.93	314.31	6,635.23	6,572.56	62.68	105.862		
14,400.00	6,958.55	6,425.00	6,404.79	220.18	27.47	-13.30	-366.93	314.31	6,734.91	6,672.16	62.74	107.339		
14,500.00	6,958.81	6,425.00	6,404.79	223.00	27.47	-13.30	-366.93	314.31	6,834.59	6,771.78	62.81	108.812		
14,600.00	6,959.08	6,425.00	6,404.79	225.83	27.47	-13.30	-366.93	314.31	6,934.28	6,871.41	62.88	110.280		
14,700.00	6,959.35	6,425.00	6,404.79	228.65	27.47	-13.30	-366.93	314.31	7,033.99	6,971.04	62.95	111.744		
14,800.00	6,959.61	6,425.00	6,404.79	231.48	27.47	-13.30	-366.93	314.31	7,133.70	7,070.68	63.02	113.203		
14,900.00	6,959.88	6,425.00	6,404.79	234.30	27.47	-13.30	-366.93	314.31	7,233.41	7,170.33	63.09	114.657		
15,000.00	6,960.14	6,425.00	6,404.79	237.13	27.47	-13.30	-366.93	314.31	7,333.14	7,269.98	63.16	116.107		
15,100.00	6,960.41	6,425.00	6,404.79	239.96	27.47	-13.30	-366.93	314.31	7,432.87	7,369.64	63.23	117.552		
15,200.00	6,960.68	6,425.00	6,404.79	242.79	27.47	-13.30	-366.93	314.31	7,532.61	7,469.31	63.30	118.992		
15,300.00	6,960.94	6,425.00	6,404.79	245.62	27.47	-13.30	-366.93	314.31	7,632.36	7,568.98	63.38	120.427		
15,400.00	6,961.21	6,425.00	6,404.79	248.45	27.47	-13.30	-366.93	314.31	7,732.11	7,668.66	63.45	121.857		
15,500.00	6,961.47	6,425.00	6,404.79	251.28	27.47	-13.30	-366.93	314.31	7,831.87	7,768.34	63.53	123.282		
15,600.00	6,961.74	6,425.00	6,404.79	254.11	27.47	-13.30	-366.93	314.31	7,931.64	7,868.03	63.60	124.703		
15,700.00	6,962.01	6,425.00	6,404.79	256.94	27.47	-13.30	-366.93	314.31	8,031.41	7,967.73	63.68	126.118		
15,800.00	6,962.27	6,425.00	6,404.79	259.77	27.47	-13.30	-366.93	314.31	8,131.19	8,067.43	63.76	127.529		
15,900.00	6,962.54	6,425.00	6,404.79	262.61	27.47	-13.30	-366.93	314.31	8,230.97	8,167.13	63.84	128.934		
16,000.00	6,962.80	6,425.00	6,404.79	265.44	27.47	-13.30	-366.93	314.31	8,330.76	8,266.84	63.92	130.334		
16,100.00	6,963.07	6,425.00	6,404.79	268.28	27.47	-13.30	-366.93	314.31	8,430.55	8,366.55	64.00	131.729		
16,200.00	6,963.34	6,425.00	6,404.79	271.11	27.47	-13.30	-366.93	314.31	8,530.35	8,466.26	64.08	133.119		
16,300.00	6,963.60	6,425.00	6,404.79	273.95	27.47	-13.30	-366.93	314.31	8,630.15	8,565.98	64.16	134.504		
16,400.00	6,963.87	6,425.00	6,404.79	276.78	27.47	-13.30	-366.93	314.31	8,729.95	8,665.71	64.25	135.883		
16,500.00	6,964.13	6,425.00	6,404.79	279.62	27.47	-13.30	-366.93	314.31	8,829.77	8,765.44	64.33	137.258		
16,600.00	6,964.40	6,425.00	6,404.79	282.46	27.47	-13.30	-366.93	314.31	8,929.58	8,865.17	64.41	138.627		
16,700.00	6,964.67	6,425.00	6,404.79	285.29	27.47	-13.30	-366.93	314.31	9,029.40	8,964.90	64.50	139.991		
16,800.00	6,964.93	6,425.00	6,404.79	288.13	27.47	-13.30	-366.93	314.31	9,129.22	9,064.64	64.59	141.349		
16,900.00	6,965.20	6,425.00	6,404.79	290.97	27.47	-13.30	-366.93	314.31	9,229.05	9,164.38	64.67	142.703		
17,000.00	6,965.46	6,425.00	6,404.79	293.81	27.47	-13.30	-366.93	314.31	9,328.88	9,264.12	64.76	144.051		
17,100.00	6,965.73	6,425.00	6,404.79	296.65	27.47	-13.30	-366.93	314.31	9,428.72	9,363.87	64.85	145.393		
17,200.00	6,966.00	6,425.00	6,404.79	299.49	27.47	-13.30	-366.93	314.31	9,528.55	9,463.62	64.94	146.731		
17,300.00	6,966.26	6,425.00	6,404.79	302.32	27.47	-13.30	-366.93	314.31	9,628.40	9,563.37	65.03	148.063		
17,400.00	6,966.53	6,425.00	6,404.79	305.16	27.47	-13.30	-366.93	314.31	9,728.24	9,663.12	65.12	149.389		
17,500.00	6,966.80	6,425.00	6,404.79	308.00	27.47	-13.30	-366.93	314.31	9,828.09	9,762.88	65.21	150.710		
17,600.00	6,967.06	6,425.00	6,404.79	310.85	27.47	-13.30	-366.93	314.31	9,927.94	9,862.63	65.30	152.026		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.75	-557.76	506.71	753.63					
100.00	100.00	75.92	75.91	3.28	3.28	137.76	-558.36	507.02	754.32	747.75	6.57	114.809		
200.00	200.00	170.29	170.25	3.34	3.31	137.81	-560.65	508.14	756.89	750.24	6.65	113.831		
300.00	299.98	294.16	294.10	3.44	3.42	38.06	-562.69	507.54	756.42	749.55	6.87	110.140		
400.00	399.84	432.34	432.13	3.60	3.64	38.81	-562.32	501.67	749.36	742.08	7.27	103.022		
500.00	499.45	557.22	556.34	3.80	3.91	40.17	-560.17	489.02	734.59	726.81	7.78	94.386		
600.00	598.70	651.04	649.42	4.05	4.15	41.63	-558.47	477.51	716.14	707.89	8.25	86.786		
700.00	697.47	727.92	725.66	4.33	4.37	43.22	-558.99	467.62	697.16	688.44	8.72	79.966		
803.50	799.05	795.00	792.20	4.67	4.57	44.90	-562.14	459.71	679.45	670.23	9.23	73.645		
900.00	893.41	867.19	863.69	5.02	4.81	46.67	-568.34	451.93	666.15	656.36	9.79	68.051		
1,000.00	991.20	947.99	943.59	5.41	5.09	48.74	-577.54	444.08	656.29	645.86	10.43	62.910		
1,100.00	1,088.99	1,027.58	1,022.37	5.81	5.37	50.71	-587.18	438.31	649.57	638.47	11.10	58.507		
1,200.00	1,186.78	1,103.41	1,097.44	6.23	5.64	52.45	-597.51	435.48	646.84	635.06	11.78	54.915		
1,215.16	1,201.60	1,114.74	1,108.64	6.30	5.68	52.70	-599.18	435.28	646.79	634.91	11.88	54.435 CC, ES		
1,300.00	1,284.57	1,180.05	1,173.12	6.67	5.91	54.08	-609.53	435.19	648.29	635.82	12.47	51.994		
1,400.00	1,382.36	1,269.54	1,261.28	7.12	6.24	55.90	-624.88	436.23	652.58	639.36	13.22	49.373		
1,500.00	1,480.15	1,357.81	1,348.00	7.57	6.58	57.74	-641.30	437.03	658.93	644.95	13.98	47.132		
1,600.00	1,577.94	1,450.20	1,438.56	8.03	6.95	59.70	-659.64	437.33	667.10	652.32	14.78	45.137		
1,700.00	1,675.73	1,541.03	1,527.43	8.50	7.33	61.61	-678.38	437.55	676.89	661.31	15.58	43.434		
1,800.00	1,773.52	1,636.32	1,620.58	8.98	7.74	63.55	-698.50	437.97	688.04	671.61	16.43	41.888		
1,900.00	1,871.31	1,728.35	1,710.48	9.45	8.15	65.36	-718.16	438.57	700.30	683.04	17.26	40.578		
2,000.00	1,969.10	1,834.91	1,814.57	9.94	8.62	67.36	-740.91	439.50	713.39	695.20	18.19	39.214		
2,100.00	2,066.88	1,936.32	1,913.97	10.42	9.08	69.16	-761.01	440.58	725.70	706.59	19.10	37.988		
2,200.00	2,164.67	2,041.72	2,017.40	10.91	9.56	71.03	-781.23	440.79	737.93	717.88	20.05	36.806		
2,300.00	2,262.46	2,134.53	2,108.52	11.40	9.99	72.67	-798.85	440.30	750.56	729.64	20.92	35.876		
2,400.00	2,360.25	2,235.86	2,208.05	11.89	10.45	74.33	-817.85	440.81	763.69	741.84	21.85	34.945		
2,500.00	2,458.04	2,331.20	2,301.72	12.39	10.90	75.90	-835.64	440.36	777.28	754.53	22.75	34.163		
2,600.00	2,555.83	2,430.40	2,399.18	12.88	11.36	77.52	-854.11	439.36	791.43	767.75	23.68	33.419		
2,700.00	2,653.62	2,531.33	2,498.44	13.38	11.83	79.08	-872.36	438.70	805.63	781.00	24.63	32.712		
2,800.00	2,751.41	2,629.83	2,595.36	13.88	12.29	80.51	-889.96	438.77	820.15	794.59	25.56	32.089		
2,900.00	2,849.20	2,728.03	2,692.05	14.38	12.76	81.93	-907.08	438.14	834.76	808.27	26.49	31.512		
3,000.00	2,946.99	2,818.62	2,781.17	14.88	13.18	83.34	-923.08	435.40	850.30	822.93	27.37	31.068		
3,100.00	3,044.78	2,910.14	2,871.09	15.38	13.62	84.72	-939.83	432.47	867.07	838.82	28.26	30.687		
3,200.00	3,142.57	3,006.50	2,965.73	15.89	14.08	86.11	-957.74	429.58	884.63	855.45	29.18	30.315		
3,300.00	3,240.36	3,104.77	3,062.29	16.39	14.55	87.42	-975.88	427.50	902.44	872.31	30.12	29.957		
3,400.00	3,338.15	3,200.77	3,156.61	16.89	15.02	88.64	-993.66	425.71	920.69	889.64	31.05	29.652		
3,500.00	3,435.93	3,303.04	3,257.12	17.40	15.51	89.85	-1,012.52	424.46	939.15	907.12	32.03	29.322		
3,600.00	3,533.72	3,406.45	3,358.89	17.90	16.00	90.97	-1,030.87	424.21	957.07	924.05	33.02	28.988		
3,700.00	3,631.51	3,505.70	3,456.59	18.41	16.48	91.97	-1,048.28	424.65	974.96	940.99	33.97	28.700		
3,800.00	3,729.30	3,611.16	3,560.49	18.92	16.98	92.99	-1,066.38	425.38	992.70	957.72	34.97	28.384		
3,900.00	3,827.09	3,714.52	3,662.49	19.42	17.47	93.99	-1,083.04	425.61	1,009.82	973.86	35.96	28.082		
4,000.00	3,924.88	3,792.01	3,738.96	19.93	17.84	94.81	-1,095.47	424.11	1,027.78	991.04	36.74	27.974		
4,100.00	4,022.67	3,873.53	3,819.15	20.44	18.23	95.68	-1,109.92	421.49	1,047.93	1,010.39	37.54	27.912		
4,200.00	4,120.46	3,959.83	3,903.88	20.95	18.65	96.56	-1,126.05	418.60	1,069.38	1,031.00	38.39	27.858		
4,300.00	4,218.25	4,049.55	3,991.83	21.46	19.09	97.46	-1,143.40	414.96	1,091.94	1,052.68	39.26	27.813		
4,400.00	4,316.04	4,140.07	4,080.50	21.97	19.54	98.32	-1,161.28	411.56	1,115.08	1,074.94	40.14	27.778		
4,500.00	4,413.83	4,234.28	4,172.65	22.48	20.01	99.17	-1,180.56	408.06	1,139.11	1,098.04	41.06	27.741		
4,600.00	4,511.62	4,342.02	4,278.17	22.99	20.54	100.07	-1,202.10	404.92	1,162.65	1,120.54	42.12	27.606		
4,700.00	4,609.41	4,435.06	4,369.38	23.50	21.00	100.80	-1,220.30	402.57	1,185.88	1,142.86	43.03	27.562		
4,800.00	4,707.20	4,523.60	4,455.96	24.01	21.44	101.40	-1,238.80	401.53	1,209.96	1,166.07	43.89	27.566		
4,900.00	4,804.98	4,619.91	4,549.98	24.52	21.93	101.97	-1,259.68	401.34	1,234.52	1,189.68	44.84	27.531		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 15N-7A-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 141-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,902.77	4,716.23	4,644.11	25.03	22.41	102.55	-1,280.10	400.54	1,259.01	1,213.22	45.79	27.496		
5,100.00	5,000.56	4,825.83	4,751.30	25.54	22.96	103.21	-1,302.91	399.25	1,283.45	1,236.58	46.87	27.384		
5,200.00	5,098.35	4,921.53	4,845.12	26.05	23.43	103.80	-1,321.73	397.84	1,307.08	1,259.28	47.81	27.341		
5,300.00	5,196.14	5,039.66	4,961.00	26.56	24.02	104.49	-1,344.62	396.49	1,330.50	1,281.54	48.96	27.176		
5,400.00	5,293.93	5,140.90	5,060.37	27.07	24.52	104.98	-1,363.96	397.32	1,352.90	1,302.95	49.95	27.086		
5,500.00	5,391.72	5,264.35	5,181.71	27.58	25.12	105.55	-1,386.56	399.39	1,374.32	1,323.19	51.13	26.879		
5,600.00	5,489.51	5,391.81	5,307.52	28.09	25.72	106.16	-1,406.87	401.70	1,393.64	1,341.33	52.32	26.638		
5,700.00	5,587.30	5,468.61	5,383.42	28.61	26.09	106.54	-1,418.47	402.88	1,412.55	1,359.45	53.10	26.600		
5,800.00	5,685.09	5,543.45	5,457.20	29.12	26.45	106.90	-1,431.06	403.24	1,433.42	1,379.56	53.86	26.613		
5,900.00	5,782.88	5,640.73	5,552.97	29.63	26.92	107.37	-1,448.09	403.06	1,455.32	1,400.51	54.81	26.551		
6,000.00	5,880.67	5,734.12	5,645.06	30.14	27.37	107.83	-1,463.63	402.71	1,476.68	1,420.95	55.73	26.498		
6,100.00	5,978.46	5,806.60	5,716.26	30.65	27.73	108.14	-1,477.14	402.96	1,499.47	1,443.01	56.45	26.561		
6,200.00	6,076.25	5,883.83	5,791.84	31.17	28.11	108.41	-1,493.07	403.49	1,523.82	1,466.60	57.22	26.633		
6,298.86	6,172.92	6,022.11	5,927.43	31.67	28.80	108.90	-1,520.14	404.83	1,546.89	1,488.33	58.57	26.412		
6,300.00	6,174.03	6,023.51	5,928.80	31.68	28.81	108.84	-1,520.39	404.84	1,547.15	1,488.57	58.58	26.410		
6,350.00	6,223.30	6,077.08	5,981.55	31.92	29.07	103.64	-1,529.76	405.05	1,557.12	1,498.03	59.09	26.352		
6,400.00	6,273.06	6,115.23	6,019.09	32.13	29.26	82.89	-1,536.54	405.13	1,565.33	1,505.90	59.43	26.340		
6,450.00	6,323.01	6,153.44	6,056.63	32.32	29.44	-7.11	-1,543.64	405.19	1,571.90	1,512.17	59.74	26.314		
6,500.00	6,372.84	6,223.92	6,125.90	32.48	29.79	-39.38	-1,556.64	405.44	1,576.39	1,516.06	60.33	26.131		
6,550.00	6,422.24	6,290.49	6,191.47	32.65	30.11	-47.49	-1,568.13	406.17	1,578.15	1,517.27	60.87	25.926		
6,600.00	6,470.92	6,352.83	6,252.87	32.83	30.41	-51.47	-1,578.79	407.78	1,577.57	1,516.19	61.38	25.700		
6,650.00	6,518.56	6,704.06	6,582.67	33.01	31.92	-60.71	-1,643.06	495.93	1,573.21	1,510.13	63.08	24.938		
6,700.00	6,564.89	7,144.68	6,890.99	33.21	33.31	-78.17	-1,707.41	795.56	1,560.88	1,497.68	63.20	24.697		
6,750.00	6,609.60	7,149.06	6,893.04	33.43	33.32	-80.59	-1,707.86	799.40	1,545.17	1,481.31	63.86	24.197		
6,800.00	6,652.43	7,143.81	6,890.58	33.66	33.30	-82.31	-1,707.32	794.79	1,530.61	1,466.14	64.47	23.741		
6,850.00	6,693.10	7,132.91	6,885.35	33.91	33.27	-83.54	-1,706.19	785.30	1,517.28	1,452.24	65.04	23.329		
6,900.00	6,731.38	7,118.43	6,878.16	34.20	33.22	-84.42	-1,704.71	772.82	1,505.24	1,439.68	65.56	22.959		
6,950.00	6,767.02	7,101.90	6,869.61	34.51	33.17	-85.02	-1,703.01	758.77	1,494.50	1,428.46	66.04	22.630		
7,000.00	6,799.81	7,081.11	6,858.36	34.85	33.11	-85.30	-1,700.89	741.42	1,485.09	1,418.58	66.51	22.329		
7,050.00	6,829.54	7,059.52	6,846.08	35.24	33.04	-85.39	-1,698.68	723.81	1,476.96	1,410.01	66.95	22.060		
7,100.00	6,856.03	7,037.36	6,832.85	35.66	32.98	-85.33	-1,696.41	706.17	1,470.10	1,402.72	67.38	21.819		
7,150.00	6,879.11	7,014.76	6,818.73	36.12	32.92	-85.13	-1,694.09	688.68	1,464.49	1,396.69	67.79	21.602		
7,200.00	6,898.65	6,897.33	6,737.29	36.62	32.58	-81.38	-1,678.55	605.72	1,459.46	1,391.70	67.76	21.538		
7,250.00	6,914.51	6,857.28	6,707.09	37.15	32.45	-80.39	-1,671.70	580.32	1,454.71	1,386.68	68.03	21.383		
7,300.00	6,926.62	6,817.94	6,676.49	37.73	32.32	-79.37	-1,664.42	556.69	1,450.66	1,382.37	68.29	21.244		
7,350.00	6,934.88	6,798.05	6,660.67	38.34	32.26	-78.98	-1,660.60	545.26	1,447.33	1,378.63	68.70	21.067		
7,400.00	6,939.26	6,778.40	6,644.79	38.97	32.19	-78.54	-1,656.86	534.30	1,444.81	1,375.67	69.14	20.897		
7,429.12	6,940.00	6,766.39	6,634.97	39.34	32.14	-78.24	-1,654.59	527.76	1,443.69	1,374.29	69.40	20.802		
7,491.96	6,940.17	6,741.16	6,614.07	40.20	32.06	-77.38	-1,649.88	514.45	1,442.60	1,372.60	70.00	20.608		
7,500.00	6,940.19	6,738.08	6,611.49	40.31	32.05	-77.28	-1,649.31	512.87	1,442.62	1,372.55	70.08	20.586		
7,600.00	6,940.46	6,700.88	6,579.93	41.80	31.91	-75.99	-1,642.48	494.40	1,445.89	1,374.77	71.12	20.331		
7,700.00	6,940.72	6,667.54	6,550.96	43.43	31.79	-74.82	-1,636.38	479.07	1,454.87	1,382.62	72.24	20.139		
7,800.00	6,940.99	6,638.87	6,525.57	45.19	31.68	-73.79	-1,631.16	466.85	1,469.68	1,396.26	73.42	20.018		
7,900.00	6,941.25	6,613.12	6,502.38	47.05	31.58	-72.86	-1,626.47	456.65	1,490.32	1,415.73	74.60	19.978 SF		
8,000.00	6,941.52	6,590.66	6,481.88	49.02	31.48	-72.03	-1,622.32	448.49	1,516.69	1,440.93	75.76	20.020		
8,100.00	6,941.79	6,571.67	6,464.35	51.06	31.41	-71.33	-1,618.75	442.15	1,548.61	1,471.73	76.88	20.142		
8,200.00	6,942.05	6,555.43	6,449.21	53.18	31.34	-70.73	-1,615.67	437.12	1,585.86	1,507.91	77.95	20.345		
8,300.00	6,942.32	6,533.00	6,428.13	55.37	31.25	-69.89	-1,611.36	430.80	1,628.17	1,549.34	78.83	20.654		
8,400.00	6,942.58	6,533.00	6,428.13	57.62	31.25	-69.89	-1,611.36	430.80	1,675.09	1,595.21	79.88	20.970		
8,500.00	6,942.85	6,533.00	6,428.13	59.92	31.25	-69.89	-1,611.36	430.80	1,726.54	1,645.73	80.81	21.365		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,533.00	6,428.13	62.26	31.25	-69.89	-1,611.36	430.80	1,782.12	1,700.49	81.63	21.832		
8,700.00	6,943.38	6,533.00	6,428.13	64.65	31.25	-69.89	-1,611.36	430.80	1,841.45	1,759.11	82.34	22.363		
8,800.00	6,943.65	6,501.38	6,398.02	67.08	31.10	-68.70	-1,605.32	423.28	1,903.25	1,820.62	82.63	23.033		
8,900.00	6,943.91	6,495.90	6,392.75	69.53	31.08	-68.49	-1,604.29	422.15	1,968.70	1,885.58	83.12	23.686		
9,000.00	6,944.18	6,490.91	6,387.95	72.02	31.06	-68.30	-1,603.35	421.18	2,036.90	1,953.37	83.53	24.384		
9,100.00	6,944.45	6,486.36	6,383.56	74.54	31.04	-68.13	-1,602.50	420.32	2,107.61	2,023.71	83.89	25.123		
9,200.00	6,944.71	6,482.18	6,379.52	77.07	31.02	-67.97	-1,601.73	419.57	2,180.57	2,096.37	84.19	25.900		
9,300.00	6,944.98	6,478.33	6,375.80	79.63	31.00	-67.83	-1,601.01	418.91	2,255.57	2,171.12	84.45	26.710		
9,400.00	6,945.24	6,474.78	6,372.36	82.21	30.98	-67.69	-1,600.36	418.32	2,332.42	2,247.76	84.66	27.550		
9,500.00	6,945.51	6,440.00	6,338.47	84.81	30.83	-66.38	-1,594.04	413.75	2,411.95	2,327.41	84.53	28.532		
9,600.00	6,945.78	6,440.00	6,338.47	87.43	30.83	-66.38	-1,594.04	413.75	2,491.82	2,407.10	84.72	29.413		
9,700.00	6,946.04	6,440.00	6,338.47	90.05	30.83	-66.38	-1,594.04	413.75	2,573.09	2,488.22	84.87	30.317		
9,800.00	6,946.31	6,440.00	6,338.47	92.70	30.83	-66.38	-1,594.04	413.75	2,655.65	2,570.65	85.00	31.243		
9,900.00	6,946.57	6,440.00	6,338.47	95.35	30.83	-66.38	-1,594.04	413.75	2,739.37	2,654.26	85.11	32.188		
10,000.00	6,946.84	6,440.00	6,338.47	98.02	30.83	-66.38	-1,594.04	413.75	2,824.14	2,738.95	85.19	33.150		
10,100.00	6,947.11	6,440.00	6,338.47	100.70	30.83	-66.38	-1,594.04	413.75	2,909.89	2,824.63	85.26	34.129		
10,200.00	6,947.37	6,440.00	6,338.47	103.38	30.83	-66.38	-1,594.04	413.75	2,996.52	2,911.20	85.32	35.122		
10,300.00	6,947.64	6,440.00	6,338.47	106.08	30.83	-66.38	-1,594.04	413.75	3,083.95	2,998.59	85.36	36.128		
10,400.00	6,947.90	6,440.00	6,338.47	108.78	30.83	-66.38	-1,594.04	413.75	3,172.13	3,086.73	85.40	37.145		
10,500.00	6,948.17	6,440.00	6,338.47	111.49	30.83	-66.38	-1,594.04	413.75	3,260.99	3,175.57	85.42	38.174		
10,600.00	6,948.44	6,440.00	6,338.47	114.21	30.83	-66.38	-1,594.04	413.75	3,350.48	3,265.04	85.44	39.213		
10,700.00	6,948.70	6,440.00	6,338.47	116.94	30.83	-66.38	-1,594.04	413.75	3,440.55	3,355.10	85.46	40.261		
10,800.00	6,948.97	6,440.00	6,338.47	119.67	30.83	-66.38	-1,594.04	413.75	3,531.15	3,445.69	85.46	41.317		
10,900.00	6,949.24	6,440.00	6,338.47	122.41	30.83	-66.38	-1,594.04	413.75	3,622.25	3,536.78	85.47	42.381		
11,000.00	6,949.50	6,440.00	6,338.47	125.15	30.83	-66.38	-1,594.04	413.75	3,713.81	3,628.34	85.47	43.451		
11,100.00	6,949.77	6,440.00	6,338.47	127.90	30.83	-66.38	-1,594.04	413.75	3,805.79	3,720.32	85.47	44.528		
11,200.00	6,950.03	6,440.00	6,338.47	130.65	30.83	-66.38	-1,594.04	413.75	3,898.16	3,812.70	85.47	45.611		
11,300.00	6,950.30	6,440.00	6,338.47	133.41	30.83	-66.38	-1,594.04	413.75	3,990.91	3,905.45	85.46	46.699		
11,400.00	6,950.57	6,440.00	6,338.47	136.17	30.83	-66.38	-1,594.04	413.75	4,083.99	3,998.54	85.45	47.792		
11,500.00	6,950.83	6,440.00	6,338.47	138.94	30.83	-66.38	-1,594.04	413.75	4,177.40	4,091.95	85.45	48.889		
11,600.00	6,951.10	6,440.00	6,338.47	141.71	30.83	-66.38	-1,594.04	413.75	4,271.10	4,185.66	85.44	49.991		
11,700.00	6,951.36	6,440.00	6,338.47	144.48	30.83	-66.38	-1,594.04	413.75	4,365.09	4,279.66	85.43	51.096		
11,800.00	6,951.63	6,440.00	6,338.47	147.26	30.83	-66.38	-1,594.04	413.75	4,459.33	4,373.91	85.42	52.204		
11,900.00	6,951.90	6,440.00	6,338.47	150.03	30.83	-66.38	-1,594.04	413.75	4,553.82	4,468.41	85.41	53.315		
12,000.00	6,952.16	6,440.00	6,338.47	152.82	30.83	-66.38	-1,594.04	413.75	4,648.54	4,563.14	85.40	54.430		
12,100.00	6,952.43	6,440.00	6,338.47	155.60	30.83	-66.38	-1,594.04	413.75	4,743.48	4,658.08	85.40	55.546		
12,200.00	6,952.69	6,440.00	6,338.47	158.39	30.83	-66.38	-1,594.04	413.75	4,838.62	4,753.23	85.39	56.665		
12,300.00	6,952.96	6,440.00	6,338.47	161.18	30.83	-66.38	-1,594.04	413.75	4,933.96	4,848.57	85.38	57.786		
12,400.00	6,953.23	6,440.00	6,338.47	163.97	30.83	-66.38	-1,594.04	413.75	5,029.47	4,944.09	85.38	58.909		
12,500.00	6,953.49	6,440.00	6,338.47	166.77	30.83	-66.38	-1,594.04	413.75	5,125.16	5,039.78	85.37	60.033		
12,600.00	6,953.76	6,440.00	6,338.47	169.56	30.83	-66.38	-1,594.04	413.75	5,221.00	5,135.64	85.37	61.158		
12,700.00	6,954.02	6,440.00	6,338.47	172.36	30.83	-66.38	-1,594.04	413.75	5,317.01	5,231.64	85.37	62.285		
12,800.00	6,954.29	6,440.00	6,338.47	175.16	30.83	-66.38	-1,594.04	413.75	5,413.15	5,327.79	85.36	63.413		
12,900.00	6,954.56	6,440.00	6,338.47	177.97	30.83	-66.38	-1,594.04	413.75	5,509.43	5,424.07	85.36	64.542		
13,000.00	6,954.82	6,403.18	6,302.38	180.77	30.65	-65.00	-1,587.53	410.56	5,605.24	5,520.11	85.13	65.847		
13,100.00	6,955.09	6,401.81	6,301.03	183.58	30.64	-64.95	-1,587.29	410.46	5,701.73	5,616.61	85.12	66.986		
13,200.00	6,955.35	6,400.48	6,299.73	186.38	30.64	-64.90	-1,587.05	410.37	5,798.34	5,713.22	85.11	68.125		
13,300.00	6,955.62	6,399.19	6,298.46	189.19	30.63	-64.86	-1,586.83	410.27	5,895.06	5,809.95	85.11	69.265		
13,400.00	6,955.89	6,397.93	6,297.22	192.00	30.63	-64.81	-1,586.61	410.18	5,991.89	5,906.78	85.11	70.405		
13,500.00	6,956.15	6,396.70	6,296.01	194.82	30.62	-64.76	-1,586.39	410.10	6,088.81	6,003.71	85.10	71.545		
13,600.00	6,956.42	6,395.51	6,294.84	197.63	30.61	-64.72	-1,586.18	410.02	6,185.84	6,100.74	85.10	72.685		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,700.00	6,956.68	6,394.34	6,293.70	200.44	30.61	-64.68	-1,585.98	409.94	6,282.96	6,197.85	85.11	73.825		
13,800.00	6,956.95	6,393.21	6,292.59	203.26	30.60	-64.63	-1,585.78	409.86	6,380.16	6,295.05	85.11	74.965		
13,900.00	6,957.22	6,392.11	6,291.50	206.08	30.60	-64.59	-1,585.59	409.79	6,477.45	6,392.34	85.11	76.105		
14,000.00	6,957.48	6,391.03	6,290.44	208.89	30.59	-64.55	-1,585.40	409.72	6,574.82	6,489.70	85.12	77.244		
14,100.00	6,957.75	6,389.98	6,289.41	211.71	30.59	-64.51	-1,585.22	409.65	6,672.27	6,587.14	85.12	78.383		
14,200.00	6,958.02	6,388.96	6,288.41	214.53	30.58	-64.48	-1,585.04	409.59	6,769.79	6,684.65	85.13	79.521		
14,300.00	6,958.28	6,387.96	6,287.42	217.36	30.58	-64.44	-1,584.86	409.53	6,867.38	6,782.23	85.14	80.659		
14,400.00	6,958.55	6,386.98	6,286.47	220.18	30.57	-64.40	-1,584.69	409.47	6,965.03	6,879.88	85.15	81.796		
14,500.00	6,958.81	6,386.03	6,285.53	223.00	30.57	-64.37	-1,584.53	409.41	7,062.76	6,977.59	85.16	82.932		
14,600.00	6,959.08	6,385.10	6,284.61	225.83	30.57	-64.33	-1,584.36	409.35	7,160.54	7,075.36	85.18	84.068		
14,700.00	6,959.35	6,384.19	6,283.72	228.65	30.56	-64.30	-1,584.21	409.30	7,258.38	7,173.19	85.19	85.202		
14,800.00	6,959.61	6,345.00	6,245.16	231.48	30.37	-62.86	-1,577.45	407.51	7,356.92	7,271.95	84.97	86.580		
14,900.00	6,959.88	6,345.00	6,245.16	234.30	30.37	-62.86	-1,577.45	407.51	7,454.85	7,369.85	84.99	87.709		
15,000.00	6,960.14	6,345.00	6,245.16	237.13	30.37	-62.86	-1,577.45	407.51	7,552.83	7,467.81	85.02	88.838		
15,100.00	6,960.41	6,345.00	6,245.16	239.96	30.37	-62.86	-1,577.45	407.51	7,650.86	7,565.82	85.04	89.965		
15,200.00	6,960.68	6,345.00	6,245.16	242.79	30.37	-62.86	-1,577.45	407.51	7,748.94	7,663.88	85.07	91.090		
15,300.00	6,960.94	6,345.00	6,245.16	245.62	30.37	-62.86	-1,577.45	407.51	7,847.08	7,761.98	85.10	92.215		
15,400.00	6,961.21	6,345.00	6,245.16	248.45	30.37	-62.86	-1,577.45	407.51	7,945.26	7,860.13	85.12	93.338		
15,500.00	6,961.47	6,345.00	6,245.16	251.28	30.37	-62.86	-1,577.45	407.51	8,043.48	7,958.33	85.15	94.461		
15,600.00	6,961.74	6,345.00	6,245.16	254.11	30.37	-62.86	-1,577.45	407.51	8,141.75	8,056.56	85.18	95.581		
15,700.00	6,962.01	6,345.00	6,245.16	256.94	30.37	-62.86	-1,577.45	407.51	8,240.05	8,154.84	85.21	96.700		
15,800.00	6,962.27	6,345.00	6,245.16	259.77	30.37	-62.86	-1,577.45	407.51	8,338.40	8,253.16	85.24	97.818		
15,900.00	6,962.54	6,345.00	6,245.16	262.61	30.37	-62.86	-1,577.45	407.51	8,436.79	8,351.51	85.28	98.935		
16,000.00	6,962.80	6,345.00	6,245.16	265.44	30.37	-62.86	-1,577.45	407.51	8,535.22	8,449.91	85.31	100.049		
16,100.00	6,963.07	6,345.00	6,245.16	268.28	30.37	-62.86	-1,577.45	407.51	8,633.68	8,548.33	85.34	101.162		
16,200.00	6,963.34	6,345.00	6,245.16	271.11	30.37	-62.86	-1,577.45	407.51	8,732.17	8,646.79	85.38	102.274		
16,300.00	6,963.60	6,345.00	6,245.16	273.95	30.37	-62.86	-1,577.45	407.51	8,830.70	8,745.29	85.42	103.384		
16,400.00	6,963.87	6,345.00	6,245.16	276.78	30.37	-62.86	-1,577.45	407.51	8,929.27	8,843.81	85.45	104.492		
16,500.00	6,964.13	6,345.00	6,245.16	279.62	30.37	-62.86	-1,577.45	407.51	9,027.86	8,942.37	85.49	105.598		
16,600.00	6,964.40	6,345.00	6,245.16	282.46	30.37	-62.86	-1,577.45	407.51	9,126.49	9,040.95	85.53	106.703		
16,700.00	6,964.67	6,345.00	6,245.16	285.29	30.37	-62.86	-1,577.45	407.51	9,225.14	9,139.57	85.57	107.805		
16,800.00	6,964.93	6,345.00	6,245.16	288.13	30.37	-62.86	-1,577.45	407.51	9,323.82	9,238.21	85.61	108.906		
16,900.00	6,965.20	6,345.00	6,245.16	290.97	30.37	-62.86	-1,577.45	407.51	9,422.53	9,336.88	85.66	110.005		
17,000.00	6,965.46	6,345.00	6,245.16	293.81	30.37	-62.86	-1,577.45	407.51	9,521.27	9,435.57	85.70	111.102		
17,100.00	6,965.73	6,345.00	6,245.16	296.65	30.37	-62.86	-1,577.45	407.51	9,620.04	9,534.29	85.74	112.198		
17,200.00	6,966.00	6,345.00	6,245.16	299.49	30.37	-62.86	-1,577.45	407.51	9,718.83	9,633.04	85.79	113.291		
17,300.00	6,966.26	6,345.00	6,245.16	302.32	30.37	-62.86	-1,577.45	407.51	9,817.64	9,731.81	85.83	114.382		
17,400.00	6,966.53	6,345.00	6,245.16	305.16	30.37	-62.86	-1,577.45	407.51	9,916.48	9,830.60	85.88	115.471		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	144.05	-697.64	505.87	861.82					
100.00	100.00	95.24	95.23	3.28	3.29	144.05	-697.35	505.69	861.43	854.86	6.57	131.084		
200.00	200.00	202.23	202.22	3.34	3.31	144.05	-696.34	505.03	860.30	853.65	6.65	129.406		
300.00	299.98	312.21	312.18	3.44	3.38	44.15	-694.21	504.12	857.00	850.17	6.83	125.501		
400.00	399.84	429.11	428.96	3.60	3.54	44.34	-689.03	504.00	849.61	842.46	7.16	118.739		
500.00	499.45	531.36	531.04	3.80	3.74	44.73	-683.25	503.38	838.45	830.90	7.55	111.025		
600.00	598.70	610.49	610.10	4.05	3.91	45.35	-680.43	502.06	825.94	817.98	7.96	103.763		
700.00	697.47	692.33	691.91	4.33	4.11	46.29	-680.26	499.91	813.30	804.86	8.44	96.388		
803.50	799.05	775.56	774.99	4.67	4.34	47.67	-683.26	496.03	800.11	791.12	8.99	89.035		
900.00	893.41	858.41	857.37	5.02	4.57	49.21	-689.57	489.98	789.05	779.49	9.56	82.539		
1,000.00	991.20	947.38	945.45	5.41	4.85	51.13	-698.49	481.15	779.24	769.03	10.21	76.338		
1,100.00	1,088.99	1,033.47	1,030.16	5.81	5.14	53.24	-709.33	470.35	771.62	760.73	10.89	70.845		
1,200.00	1,186.78	1,120.13	1,115.14	6.23	5.45	55.49	-721.61	458.60	766.39	754.77	11.62	65.981		
1,300.00	1,284.57	1,207.11	1,200.22	6.67	5.78	57.83	-734.94	446.40	763.61	751.24	12.37	61.748		
1,366.82	1,349.91	1,266.09	1,257.79	6.97	6.02	59.44	-744.47	437.86	763.09	750.20	12.89	59.214		
1,400.00	1,382.36	1,296.63	1,287.57	7.12	6.14	60.29	-749.52	433.34	763.21	750.05	13.15	58.019		
1,500.00	1,480.15	1,395.66	1,384.05	7.57	6.56	63.09	-765.68	417.93	764.37	750.36	14.00	54.579		
1,600.00	1,577.94	1,496.32	1,482.19	8.03	6.99	65.92	-781.33	401.91	766.60	751.72	14.88	51.509		
1,700.00	1,675.73	1,602.90	1,586.48	8.50	7.46	68.83	-796.06	385.64	769.17	753.37	15.80	48.679		
1,800.00	1,773.52	1,703.34	1,685.31	8.98	7.90	71.38	-808.22	372.51	772.11	755.41	16.70	46.247		
1,900.00	1,871.31	1,800.25	1,781.12	9.45	8.32	73.59	-819.18	362.97	776.05	758.48	17.57	44.173		
2,000.00	1,969.10	1,898.84	1,878.95	9.94	8.74	75.55	-829.70	356.92	780.77	762.32	18.45	42.316		
2,100.00	2,066.88	2,025.52	2,004.88	10.42	9.27	78.00	-841.33	349.67	785.18	765.71	19.46	40.342		
2,200.00	2,164.67	2,126.26	2,105.19	10.91	9.70	80.00	-847.50	342.72	787.32	766.96	20.37	38.659		
2,300.00	2,262.46	2,223.00	2,201.59	11.40	10.11	81.84	-853.39	337.13	790.34	769.09	21.25	37.186		
2,400.00	2,360.25	2,317.69	2,295.98	11.89	10.51	83.57	-859.28	332.45	794.28	772.15	22.13	35.886		
2,500.00	2,458.04	2,450.19	2,428.28	12.39	11.06	85.89	-863.95	327.32	796.06	772.90	23.17	34.361		
2,600.00	2,555.83	2,546.59	2,524.62	12.88	11.46	87.51	-866.06	324.61	797.40	773.34	24.06	33.145		
2,700.00	2,653.62	2,647.04	2,625.01	13.38	11.88	89.19	-868.11	321.89	799.26	774.30	24.97	32.015		
2,800.00	2,751.41	2,746.30	2,724.22	13.88	12.29	90.85	-869.64	319.10	801.33	775.46	25.87	30.974		
2,900.00	2,849.20	2,855.19	2,833.06	14.38	12.74	92.66	-870.86	316.11	803.71	776.90	26.81	29.977		
3,000.00	2,946.99	2,957.72	2,935.58	14.88	13.16	94.27	-870.65	314.92	805.07	777.35	27.72	29.039		
3,100.00	3,044.78	3,051.84	3,029.69	15.38	13.54	95.74	-870.56	313.73	807.19	778.58	28.61	28.211		
3,200.00	3,142.57	3,149.33	3,127.18	15.89	13.95	97.27	-870.71	312.24	810.21	780.69	29.51	27.452		
3,300.00	3,240.36	3,246.05	3,223.88	16.39	14.35	98.78	-870.84	310.84	813.79	783.37	30.41	26.757		
3,400.00	3,338.15	3,345.03	3,322.85	16.89	14.76	100.31	-870.95	309.31	817.97	786.65	31.32	26.115		
3,500.00	3,435.93	3,448.49	3,426.30	17.40	15.19	101.89	-870.62	307.91	822.28	790.04	32.24	25.502		
3,600.00	3,533.72	3,549.52	3,527.32	17.90	15.60	103.43	-869.69	306.64	826.60	793.45	33.15	24.934		
3,700.00	3,631.51	3,646.56	3,624.35	18.41	16.00	104.88	-868.66	305.56	831.31	797.26	34.04	24.419		
3,800.00	3,729.30	3,741.79	3,719.57	18.92	16.39	106.30	-867.80	304.41	836.75	801.82	34.93	23.956		
3,900.00	3,827.09	3,842.20	3,819.97	19.42	16.80	107.72	-867.33	303.87	842.82	806.99	35.83	23.523		
4,000.00	3,924.88	3,950.17	3,927.91	19.93	17.22	109.07	-866.84	305.94	848.19	811.45	36.74	23.084		
4,100.00	4,022.67	4,044.56	4,022.29	20.44	17.59	110.21	-866.48	307.99	853.92	816.32	37.60	22.708		
4,200.00	4,120.46	4,139.17	4,116.88	20.95	17.96	111.37	-866.25	309.64	860.36	821.89	38.46	22.367		
4,300.00	4,218.25	4,231.85	4,209.55	21.46	18.32	112.47	-866.56	311.04	867.78	828.46	39.32	22.070		
4,400.00	4,316.04	4,325.92	4,303.62	21.97	18.69	113.60	-867.07	311.93	876.05	835.87	40.18	21.804		
4,500.00	4,413.83	4,419.18	4,396.87	22.48	19.07	114.70	-867.97	312.54	885.20	844.16	41.04	21.570		
4,600.00	4,511.62	4,513.80	4,491.48	22.99	19.46	115.78	-869.34	313.00	895.17	853.27	41.91	21.362		
4,700.00	4,609.41	4,611.42	4,589.08	23.50	19.86	116.88	-870.86	313.31	905.69	862.90	42.79	21.166		
4,800.00	4,707.20	4,707.11	4,684.76	24.01	20.26	117.93	-872.32	313.61	916.51	872.85	43.66	20.990		
4,900.00	4,804.98	4,796.96	4,774.58	24.52	20.63	118.85	-874.66	314.07	928.34	883.83	44.50	20.860		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,889.43	4,867.01	25.03	21.02	119.81	-877.25	313.66	941.20	895.84	45.36	20.750		
5,100.00	5,000.56	4,987.27	4,964.82	25.54	21.44	120.86	-879.50	312.29	954.62	908.37	46.25	20.641		
5,200.00	5,098.35	5,087.65	5,065.17	26.05	21.88	121.94	-881.27	310.63	968.13	920.98	47.15	20.531		
5,300.00	5,196.14	5,200.54	5,178.04	26.56	22.36	123.13	-882.70	309.07	981.49	933.36	48.13	20.391		
5,400.00	5,293.93	5,313.92	5,291.40	27.07	22.83	124.39	-881.15	308.06	992.90	943.80	49.09	20.225		
5,500.00	5,391.72	5,412.96	5,390.39	27.58	23.24	125.53	-878.48	306.77	1,004.09	954.13	49.97	20.095		
5,600.00	5,489.51	5,500.37	5,477.75	28.09	23.60	126.53	-876.10	305.17	1,016.04	965.26	50.78	20.009		
5,700.00	5,587.30	5,586.54	5,563.89	28.61	23.97	127.49	-874.55	302.98	1,029.47	977.89	51.58	19.959		
5,800.00	5,685.09	5,677.59	5,654.91	29.12	24.36	128.38	-874.84	301.30	1,044.11	991.70	52.41	19.921		
5,900.00	5,782.88	5,775.91	5,753.21	29.63	24.78	129.24	-876.39	300.18	1,059.28	1,005.99	53.30	19.874		
6,000.00	5,880.67	5,888.72	5,866.01	30.14	25.26	130.22	-877.26	299.15	1,074.04	1,019.76	54.28	19.788		
6,100.00	5,978.46	5,987.86	5,965.14	30.65	25.68	131.16	-875.99	297.92	1,088.02	1,032.86	55.16	19.726		
6,200.00	6,076.25	6,084.92	6,062.19	31.17	26.09	132.01	-875.32	297.09	1,102.32	1,046.30	56.02	19.676		
6,298.86	6,172.92	6,181.83	6,159.10	31.67	26.50	132.83	-874.93	296.48	1,116.70	1,059.81	56.89	19.629		
6,300.00	6,174.03	6,182.95	6,160.22	31.68	26.50	132.76	-874.93	296.47	1,116.87	1,059.97	56.90	19.629		
6,350.00	6,223.30	6,232.95	6,210.21	31.92	26.71	127.27	-874.69	296.16	1,122.56	1,065.22	57.33	19.579		
6,400.00	6,273.06	7,769.25	7,146.60	32.13	37.82	57.89	-871.55	1,188.20	1,102.17	1,059.75	42.41	25.987		
6,450.00	6,323.01	7,770.32	7,146.62	32.32	37.84	-38.98	-871.56	1,189.27	1,061.34	1,017.44	43.89	24.181		
6,500.00	6,372.84	7,768.33	7,146.59	32.48	37.80	-77.04	-871.55	1,187.27	1,021.34	975.93	45.40	22.494		
6,550.00	6,422.24	7,763.13	7,146.50	32.65	37.72	-89.81	-871.53	1,182.08	982.51	935.56	46.95	20.925		
6,600.00	6,470.92	7,754.60	7,146.38	32.83	37.58	-97.30	-871.48	1,173.55	945.18	896.65	48.53	19.476		
6,650.00	6,518.56	7,742.64	7,146.27	33.01	37.38	-102.49	-871.41	1,161.59	909.68	859.56	50.12	18.151		
6,700.00	6,564.89	7,727.18	7,146.20	33.21	37.13	-106.25	-871.30	1,146.13	876.28	824.58	51.70	16.950		
6,750.00	6,609.60	7,710.65	7,146.21	33.43	36.85	-109.16	-871.17	1,129.60	845.23	791.98	53.25	15.873		
6,800.00	6,652.43	7,680.80	7,146.46	33.66	36.40	-110.62	-870.88	1,099.75	816.72	762.00	54.72	14.926		
6,850.00	6,693.10	7,648.17	7,146.39	33.91	35.92	-111.53	-870.63	1,067.13	790.66	734.53	56.13	14.086		
6,900.00	6,731.38	7,617.10	7,145.98	34.20	35.44	-112.20	-870.45	1,036.06	767.12	709.64	57.48	13.346		
6,950.00	6,767.02	7,559.66	7,143.99	34.51	34.68	-111.17	-870.10	978.66	745.86	687.17	58.68	12.710		
7,000.00	6,799.81	7,505.13	7,139.77	34.85	33.96	-110.13	-869.28	924.30	726.23	666.37	59.86	12.132		
7,050.00	6,829.54	7,463.85	7,135.26	35.24	33.47	-109.66	-868.67	883.28	708.69	647.62	61.06	11.606		
7,100.00	6,856.03	7,431.30	7,130.84	35.66	33.07	-109.44	-868.32	851.03	693.45	631.28	62.17	11.155		
7,150.00	6,879.11	7,325.20	7,107.39	36.12	32.00	-105.19	-867.04	747.75	679.16	615.75	63.41	10.711		
7,200.00	6,898.65	7,279.20	7,091.04	36.62	31.61	-103.80	-866.30	704.78	665.39	600.78	64.61	10.298		
7,250.00	6,914.51	7,237.19	7,073.39	37.15	31.26	-102.40	-866.20	666.67	653.84	588.12	65.72	9.949		
7,300.00	6,926.62	7,197.29	7,054.26	37.73	30.97	-100.88	-866.62	631.66	644.63	577.87	66.77	9.655		
7,350.00	6,934.88	7,159.31	7,033.90	38.34	30.72	-99.25	-867.52	599.61	637.84	570.14	67.71	9.420		
7,400.00	6,939.26	7,118.04	7,009.53	38.97	30.46	-97.21	-868.98	566.36	633.48	564.91	68.57	9.239		
7,429.12	6,940.00	7,086.58	6,989.72	39.34	30.29	-95.52	-869.92	541.93	631.73	562.67	69.06	9.148		
7,500.00	6,940.19	7,019.19	6,944.15	40.31	29.94	-91.36	-870.88	492.32	628.98	558.94	70.05	8.980		
7,525.68	6,940.26	6,999.49	6,929.98	40.69	29.85	-90.07	-870.97	478.65	628.73	558.36	70.38	8.934 CC, ES		
7,600.00	6,940.46	6,948.83	6,891.73	41.80	29.63	-86.58	-870.97	445.44	631.08	559.94	71.14	8.871 SF		
7,700.00	6,940.72	6,902.08	6,854.16	43.43	29.44	-83.17	-870.92	417.65	643.04	571.08	71.96	8.936		
7,800.00	6,940.99	6,865.69	6,823.36	45.19	29.29	-80.42	-871.19	398.27	666.47	593.99	72.48	9.195		
7,900.00	6,941.25	6,833.27	6,794.95	47.05	29.16	-77.93	-871.65	382.67	701.06	628.39	72.68	9.646		
8,000.00	6,941.52	6,799.89	6,765.24	49.02	29.03	-75.38	-872.34	367.47	745.44	672.85	72.59	10.270		
8,100.00	6,941.79	6,769.34	6,737.76	51.06	28.92	-73.08	-873.14	354.16	798.15	725.81	72.34	11.033		
8,200.00	6,942.05	6,753.00	6,722.95	53.18	28.85	-71.86	-873.63	347.28	857.98	785.86	72.12	11.896		
8,300.00	6,942.32	6,724.20	6,696.44	55.37	28.74	-69.74	-874.38	336.04	923.65	851.94	71.71	12.881		
8,400.00	6,942.58	6,707.99	6,681.27	57.62	28.68	-68.54	-874.64	330.37	994.49	923.12	71.37	13.934		
8,500.00	6,942.85	6,694.26	6,668.26	59.92	28.62	-67.53	-874.77	325.95	1,069.53	998.49	71.04	15.056		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 23N-7C-M - OH - OH													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		
8,600.00	6,943.12	6,659.00	6,634.39	62.26	28.49	-64.95	-874.75	316.20	1,148.66	1,078.15	70.51	16.290		
8,700.00	6,943.38	6,659.00	6,634.39	64.65	28.49	-64.95	-874.75	316.20	1,229.61	1,159.30	70.32	17.487		
8,800.00	6,943.65	6,659.00	6,634.39	67.08	28.49	-64.95	-874.75	316.20	1,313.19	1,243.09	70.11	18.732		
8,900.00	6,943.91	6,659.00	6,634.39	69.53	28.49	-64.95	-874.75	316.20	1,398.93	1,329.04	69.89	20.016		
9,000.00	6,944.18	6,659.00	6,634.39	72.02	28.49	-64.95	-874.75	316.20	1,486.45	1,416.77	69.68	21.332		
9,100.00	6,944.45	6,659.00	6,634.39	74.54	28.49	-64.95	-874.75	316.20	1,575.46	1,505.98	69.48	22.675		
9,200.00	6,944.71	6,659.00	6,634.39	77.07	28.49	-64.95	-874.75	316.20	1,665.71	1,596.42	69.29	24.040		
9,300.00	6,944.98	6,624.72	6,600.96	79.63	28.35	-62.50	-874.43	308.61	1,755.97	1,686.98	69.00	25.450		
9,400.00	6,945.24	6,618.69	6,595.05	82.21	28.33	-62.08	-874.37	307.44	1,847.80	1,778.97	68.82	26.848		
9,500.00	6,945.51	6,613.13	6,589.58	84.81	28.31	-61.69	-874.31	306.39	1,940.37	1,871.71	68.67	28.258		
9,600.00	6,945.78	6,607.97	6,584.51	87.43	28.29	-61.33	-874.26	305.46	2,033.61	1,965.08	68.52	29.678		
9,700.00	6,946.04	6,603.18	6,579.80	90.05	28.27	-61.00	-874.20	304.62	2,127.41	2,059.02	68.39	31.106		
9,800.00	6,946.31	6,598.72	6,575.40	92.70	28.25	-60.70	-874.15	303.87	2,221.72	2,153.45	68.27	32.542		
9,900.00	6,946.57	6,564.00	6,541.04	95.35	28.11	-58.36	-873.72	298.91	2,317.27	2,249.18	68.09	34.034		
10,000.00	6,946.84	6,564.00	6,541.04	98.02	28.11	-58.36	-873.72	298.91	2,412.23	2,344.23	68.00	35.472		
10,100.00	6,947.11	6,564.00	6,541.04	100.70	28.11	-58.36	-873.72	298.91	2,507.58	2,439.66	67.93	36.917		
10,200.00	6,947.37	6,564.00	6,541.04	103.38	28.11	-58.36	-873.72	298.91	2,603.29	2,535.43	67.85	38.366		
10,300.00	6,947.64	6,564.00	6,541.04	106.08	28.11	-58.36	-873.72	298.91	2,699.30	2,631.51	67.79	39.820		
10,400.00	6,947.90	6,564.00	6,541.04	108.78	28.11	-58.36	-873.72	298.91	2,795.59	2,727.87	67.73	41.278		
10,500.00	6,948.17	6,564.00	6,541.04	111.49	28.11	-58.36	-873.72	298.91	2,892.14	2,824.47	67.67	42.739		
10,600.00	6,948.44	6,564.00	6,541.04	114.21	28.11	-58.36	-873.72	298.91	2,988.91	2,921.29	67.62	44.202		
10,700.00	6,948.70	6,564.00	6,541.04	116.94	28.11	-58.36	-873.72	298.91	3,085.89	3,018.32	67.57	45.668		
10,800.00	6,948.97	6,564.00	6,541.04	119.67	28.11	-58.36	-873.72	298.91	3,183.05	3,115.52	67.53	47.135		
10,900.00	6,949.24	6,564.00	6,541.04	122.41	28.11	-58.36	-873.72	298.91	3,280.39	3,212.90	67.49	48.603		
11,000.00	6,949.50	6,564.00	6,541.04	125.15	28.11	-58.36	-873.72	298.91	3,377.88	3,310.42	67.46	50.072		
11,100.00	6,949.77	6,564.00	6,541.04	127.90	28.11	-58.36	-873.72	298.91	3,475.51	3,408.08	67.43	51.542		
11,200.00	6,950.03	6,564.00	6,541.04	130.65	28.11	-58.36	-873.72	298.91	3,573.28	3,505.87	67.40	53.012		
11,300.00	6,950.30	6,564.00	6,541.04	133.41	28.11	-58.36	-873.72	298.91	3,671.16	3,603.78	67.38	54.483		
11,400.00	6,950.57	6,564.00	6,541.04	136.17	28.11	-58.36	-873.72	298.91	3,769.16	3,701.80	67.36	55.953		
11,500.00	6,950.83	6,564.00	6,541.04	138.94	28.11	-58.36	-873.72	298.91	3,867.26	3,799.91	67.35	57.423		
11,600.00	6,951.10	6,564.00	6,541.04	141.71	28.11	-58.36	-873.72	298.91	3,965.45	3,898.12	67.33	58.892		
11,700.00	6,951.36	6,564.00	6,541.04	144.48	28.11	-58.36	-873.72	298.91	4,063.73	3,996.41	67.33	60.360		
11,800.00	6,951.63	6,564.00	6,541.04	147.26	28.11	-58.36	-873.72	298.91	4,162.10	4,094.78	67.32	61.827		
11,900.00	6,951.90	6,564.00	6,541.04	150.03	28.11	-58.36	-873.72	298.91	4,260.54	4,193.22	67.31	63.293		
12,000.00	6,952.16	6,564.00	6,541.04	152.82	28.11	-58.36	-873.72	298.91	4,359.05	4,291.74	67.31	64.758		
12,100.00	6,952.43	6,564.00	6,541.04	155.60	28.11	-58.36	-873.72	298.91	4,457.63	4,390.31	67.31	66.221		
12,200.00	6,952.69	6,564.00	6,541.04	158.39	28.11	-58.36	-873.72	298.91	4,556.27	4,488.95	67.32	67.683		
12,300.00	6,952.96	6,564.00	6,541.04	161.18	28.11	-58.36	-873.72	298.91	4,654.96	4,587.64	67.32	69.143		
12,400.00	6,953.23	6,564.00	6,541.04	163.97	28.11	-58.36	-873.72	298.91	4,753.71	4,686.38	67.33	70.601		
12,500.00	6,953.49	6,564.00	6,541.04	166.77	28.11	-58.36	-873.72	298.91	4,852.52	4,785.17	67.34	72.058		
12,600.00	6,953.76	6,564.00	6,541.04	169.56	28.11	-58.36	-873.72	298.91	4,951.37	4,884.01	67.35	73.512		
12,700.00	6,954.02	6,564.00	6,541.04	172.36	28.11	-58.36	-873.72	298.91	5,050.26	4,982.89	67.37	74.964		
12,800.00	6,954.29	6,564.00	6,541.04	175.16	28.11	-58.36	-873.72	298.91	5,149.20	5,081.82	67.39	76.413		
12,900.00	6,954.56	6,564.00	6,541.04	177.97	28.11	-58.36	-873.72	298.91	5,248.18	5,180.78	67.40	77.861		
13,000.00	6,954.82	6,564.00	6,541.04	180.77	28.11	-58.36	-873.72	298.91	5,347.20	5,279.77	67.43	79.305		
13,100.00	6,955.09	6,564.00	6,541.04	183.58	28.11	-58.36	-873.72	298.91	5,446.25	5,378.80	67.45	80.748		
13,200.00	6,955.35	6,564.00	6,541.04	186.38	28.11	-58.36	-873.72	298.91	5,545.34	5,477.87	67.47	82.187		
13,300.00	6,955.62	6,564.00	6,541.04	189.19	28.11	-58.36	-873.72	298.91	5,644.46	5,576.96	67.50	83.624		
13,400.00	6,955.89	6,564.00	6,541.04	192.00	28.11	-58.36	-873.72	298.91	5,743.61	5,676.08	67.53	85.058		
13,500.00	6,956.15	6,564.00	6,541.04	194.82	28.11	-58.36	-873.72	298.91	5,842.79	5,775.23	67.55	86.489		
13,600.00	6,956.42	6,564.00	6,541.04	197.63	28.11	-58.36	-873.72	298.91	5,941.99	5,874.41	67.59	87.918		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,700.00	6,956.68	6,564.00	6,541.04	200.44	28.11	-58.36	-873.72	298.91	6,041.22	5,973.61	67.62	89.343		
13,800.00	6,956.95	6,564.00	6,541.04	203.26	28.11	-58.36	-873.72	298.91	6,140.48	6,072.83	67.65	90.765		
13,900.00	6,957.22	6,564.00	6,541.04	206.08	28.11	-58.36	-873.72	298.91	6,239.76	6,172.07	67.69	92.184		
14,000.00	6,957.48	6,564.00	6,541.04	208.89	28.11	-58.36	-873.72	298.91	6,339.07	6,271.34	67.73	93.600		
14,100.00	6,957.75	6,564.00	6,541.04	211.71	28.11	-58.36	-873.72	298.91	6,438.39	6,370.63	67.76	95.012		
14,200.00	6,958.02	6,564.00	6,541.04	214.53	28.11	-58.36	-873.72	298.91	6,537.74	6,469.93	67.80	96.422		
14,300.00	6,958.28	6,564.00	6,541.04	217.36	28.11	-58.36	-873.72	298.91	6,637.10	6,569.26	67.84	97.827		
14,400.00	6,958.55	6,564.00	6,541.04	220.18	28.11	-58.36	-873.72	298.91	6,736.49	6,668.60	67.89	99.230		
14,500.00	6,958.81	6,564.00	6,541.04	223.00	28.11	-58.36	-873.72	298.91	6,835.89	6,767.96	67.93	100.629		
14,600.00	6,959.08	6,564.00	6,541.04	225.83	28.11	-58.36	-873.72	298.91	6,935.31	6,867.33	67.98	102.024		
14,700.00	6,959.35	6,564.00	6,541.04	228.65	28.11	-58.36	-873.72	298.91	7,034.74	6,966.72	68.02	103.416		
14,800.00	6,959.61	6,564.00	6,541.04	231.48	28.11	-58.36	-873.72	298.91	7,134.20	7,066.12	68.07	104.804		
14,900.00	6,959.88	6,564.00	6,541.04	234.30	28.11	-58.36	-873.72	298.91	7,233.66	7,165.54	68.12	106.188		
15,000.00	6,960.14	6,564.00	6,541.04	237.13	28.11	-58.36	-873.72	298.91	7,333.14	7,264.97	68.17	107.569		
15,100.00	6,960.41	6,521.55	6,498.78	239.96	27.94	-55.64	-873.34	295.08	7,431.24	7,363.04	68.19	108.976		
15,200.00	6,960.68	6,521.06	6,498.28	242.79	27.93	-55.61	-873.33	295.05	7,530.71	7,462.47	68.24	110.350		
15,300.00	6,960.94	6,520.58	6,497.80	245.62	27.93	-55.58	-873.33	295.02	7,630.20	7,561.91	68.30	111.720		
15,400.00	6,961.21	6,520.11	6,497.33	248.45	27.93	-55.55	-873.33	295.00	7,729.71	7,661.36	68.35	113.087		
15,500.00	6,961.47	6,519.65	6,496.88	251.28	27.93	-55.52	-873.33	294.97	7,829.22	7,760.82	68.41	114.449		
15,600.00	6,961.74	6,519.20	6,496.43	254.11	27.93	-55.50	-873.33	294.94	7,928.75	7,860.29	68.46	115.808		
15,700.00	6,962.01	6,518.76	6,495.99	256.94	27.92	-55.47	-873.32	294.92	8,028.29	7,959.77	68.52	117.162		
15,800.00	6,962.27	6,518.33	6,495.56	259.77	27.92	-55.44	-873.32	294.89	8,127.84	8,059.26	68.58	118.513		
15,900.00	6,962.54	6,517.91	6,495.14	262.61	27.92	-55.42	-873.32	294.87	8,227.40	8,158.76	68.64	119.860		
16,000.00	6,962.80	6,517.50	6,494.73	265.44	27.92	-55.39	-873.32	294.85	8,326.97	8,258.27	68.70	121.202		
16,100.00	6,963.07	6,517.10	6,494.33	268.28	27.92	-55.37	-873.32	294.83	8,426.55	8,357.79	68.77	122.540		
16,200.00	6,963.34	6,516.71	6,493.94	271.11	27.92	-55.34	-873.32	294.80	8,526.14	8,457.32	68.83	123.874		
16,300.00	6,963.60	6,516.33	6,493.56	273.95	27.91	-55.32	-873.31	294.78	8,625.74	8,556.85	68.89	125.205		
16,400.00	6,963.87	6,515.95	6,493.18	276.78	27.91	-55.30	-873.31	294.76	8,725.35	8,656.39	68.96	126.530		
16,500.00	6,964.13	6,515.58	6,492.82	279.62	27.91	-55.27	-873.31	294.75	8,824.97	8,755.95	69.02	127.852		
16,600.00	6,964.40	6,515.22	6,492.46	282.46	27.91	-55.25	-873.31	294.73	8,924.60	8,855.50	69.09	129.169		
16,700.00	6,964.67	6,514.87	6,492.10	285.29	27.91	-55.23	-873.31	294.71	9,024.23	8,955.07	69.16	130.482		
16,800.00	6,964.93	6,514.52	6,491.76	288.13	27.91	-55.21	-873.31	294.69	9,123.87	9,054.64	69.23	131.791		
16,900.00	6,965.20	6,514.18	6,491.42	290.97	27.90	-55.19	-873.31	294.67	9,223.52	9,154.22	69.30	133.095		
17,000.00	6,965.46	6,513.85	6,491.09	293.81	27.90	-55.17	-873.31	294.66	9,323.18	9,253.81	69.37	134.396		
17,100.00	6,965.73	6,513.52	6,490.76	296.65	27.90	-55.15	-873.30	294.64	9,422.84	9,353.40	69.44	135.691		
17,200.00	6,966.00	6,513.20	6,490.44	299.49	27.90	-55.13	-873.30	294.63	9,522.51	9,453.00	69.52	136.983		
17,300.00	6,966.26	6,470.00	6,447.25	302.32	27.72	-52.57	-873.35	293.84	9,623.59	9,554.03	69.56	138.351		
17,400.00	6,966.53	6,470.00	6,447.25	305.16	27.72	-52.57	-873.35	293.84	9,723.25	9,653.62	69.63	139.634		
17,500.00	6,966.80	6,470.00	6,447.25	308.00	27.72	-52.57	-873.35	293.84	9,822.92	9,753.21	69.71	140.913		
17,600.00	6,967.06	6,470.00	6,447.25	310.85	27.72	-52.57	-873.35	293.84	9,922.60	9,852.81	69.79	142.186		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	141.55	-637.53	506.15	814.10					
100.00	100.00	90.40	90.40	3.28	3.29	141.53	-637.29	506.33	813.95	807.38	6.57	123.875		
200.00	200.00	191.96	191.95	3.34	3.31	141.46	-636.43	506.98	813.68	807.04	6.64	122.468		
300.00	299.98	293.50	293.47	3.44	3.34	41.44	-634.95	508.09	811.92	805.13	6.79	119.661		
400.00	399.84	409.66	409.60	3.60	3.44	41.63	-632.40	509.07	806.87	799.82	7.05	114.512		
500.00	499.45	540.00	539.79	3.80	3.66	42.23	-627.02	506.43	795.89	788.40	7.49	106.297		
600.00	598.70	662.16	661.51	4.05	3.93	43.03	-617.55	502.28	778.67	770.64	8.02	97.046		
700.00	697.47	766.06	764.85	4.33	4.20	43.98	-607.65	498.09	757.29	748.71	8.57	88.342		
803.50	799.05	884.13	882.13	4.67	4.55	45.36	-595.01	492.89	731.62	722.37	9.25	79.081		
900.00	893.41	996.65	993.36	5.02	4.92	46.37	-579.00	487.44	703.67	693.73	9.94	70.773		
1,000.00	991.20	1,111.67	1,106.45	5.41	5.32	47.35	-558.94	481.44	672.13	661.44	10.69	62.892		
1,100.00	1,088.99	1,202.06	1,195.13	5.81	5.66	48.14	-542.07	476.81	639.78	628.42	11.36	56.325		
1,200.00	1,186.78	1,293.24	1,284.69	6.23	6.01	49.06	-525.63	471.94	607.97	595.90	12.07	50.374		
1,300.00	1,284.57	1,398.87	1,388.26	6.67	6.44	50.22	-505.74	466.04	575.55	562.70	12.85	44.783		
1,400.00	1,382.36	1,506.31	1,493.04	7.12	6.89	51.40	-482.76	460.12	541.27	527.62	13.65	39.648		
1,500.00	1,480.15	1,607.76	1,591.34	7.57	7.33	52.57	-458.42	454.07	504.74	490.30	14.45	34.940		
1,600.00	1,577.94	1,696.28	1,677.03	8.03	7.73	53.68	-436.79	449.10	468.21	452.97	15.24	30.724		
1,700.00	1,675.73	1,781.46	1,759.75	8.50	8.11	54.84	-416.80	445.43	433.27	417.22	16.05	26.987		
1,800.00	1,773.52	1,868.96	1,845.01	8.98	8.51	56.12	-397.32	442.92	400.18	383.29	16.89	23.688		
1,900.00	1,871.31	1,960.59	1,934.50	9.45	8.92	57.73	-377.79	440.43	368.24	350.49	17.75	20.747		
2,000.00	1,969.10	2,052.73	2,024.68	9.94	9.33	59.74	-359.10	437.69	337.44	318.82	18.62	18.119		
2,100.00	2,066.88	2,151.16	2,120.92	10.42	9.78	62.42	-338.79	434.04	306.57	287.07	19.50	15.722		
2,200.00	2,164.67	2,247.36	2,214.79	10.91	10.23	65.54	-318.02	430.65	275.58	255.19	20.40	13.512		
2,300.00	2,262.46	2,343.33	2,308.09	11.40	10.68	69.13	-295.69	428.06	244.08	222.78	21.31	11.456		
2,400.00	2,360.25	2,431.71	2,394.33	11.89	11.09	73.37	-276.46	425.86	215.15	192.84	22.31	9.642		
2,500.00	2,458.04	2,528.29	2,488.63	12.39	11.54	79.55	-255.89	422.65	188.27	164.98	23.29	8.083		
2,600.00	2,555.83	2,623.81	2,581.59	12.88	12.00	87.70	-234.22	419.02	162.75	138.42	24.33	6.690		
2,700.00	2,653.62	2,715.73	2,671.15	13.38	12.43	98.02	-213.86	415.22	142.09	116.64	25.45	5.582		
2,800.00	2,751.41	2,811.95	2,764.80	13.88	12.89	111.15	-191.96	412.53	126.80	100.29	26.51	4.784		
2,900.00	2,849.20	2,904.76	2,855.21	14.38	13.34	125.77	-171.11	410.22	119.92	92.44	27.48	4.364		
2,921.91	2,870.62	2,925.60	2,875.47	14.49	13.44	129.29	-166.27	409.53	119.69	92.03	27.66	4.327 CC, ES, SF		
3,000.00	2,946.99	2,998.10	2,945.60	14.88	13.79	142.03	-148.16	406.41	122.93	94.72	28.22	4.357		
3,100.00	3,044.78	3,089.62	3,034.36	15.38	14.24	156.07	-126.37	401.87	137.19	108.42	28.77	4.768		
3,200.00	3,142.57	3,183.82	3,126.34	15.89	14.70	166.55	-106.50	397.54	158.66	129.26	29.39	5.398		
3,300.00	3,240.36	3,277.79	3,217.92	16.39	15.15	174.76	-85.82	393.58	183.93	153.86	30.07	6.117		
3,400.00	3,338.15	3,372.53	3,310.68	16.89	15.60	-179.55	-67.07	389.45	211.75	180.91	30.84	6.866		
3,500.00	3,435.93	3,468.75	3,405.31	17.40	16.05	-175.63	-50.13	385.31	240.47	208.79	31.68	7.591		
3,600.00	3,533.72	3,564.28	3,499.24	17.90	16.50	-172.45	-33.02	382.14	269.20	236.67	32.52	8.277		
3,700.00	3,631.51	3,655.85	3,588.87	18.41	16.93	-169.57	-14.51	379.14	299.29	265.99	33.30	8.987		
3,800.00	3,729.30	3,749.70	3,680.55	18.92	17.39	-167.03	5.26	375.80	330.55	296.40	34.15	9.681		
3,900.00	3,827.09	3,842.64	3,771.01	19.42	17.84	-164.62	26.49	373.47	362.15	327.17	34.98	10.352		
4,000.00	3,924.88	3,928.73	3,854.20	19.93	18.27	-162.39	48.52	371.30	395.50	359.80	35.70	11.079		
4,100.00	4,022.67	4,013.44	3,935.52	20.44	18.70	-160.35	72.01	368.18	431.33	394.94	36.39	11.852		
4,200.00	4,120.46	4,106.85	4,024.86	20.95	19.19	-158.30	99.09	364.73	468.31	431.02	37.29	12.558		
4,300.00	4,218.25	4,208.91	4,122.76	21.46	19.71	-156.42	127.80	361.99	504.49	466.12	38.37	13.150		
4,400.00	4,316.04	4,312.77	4,223.39	21.97	20.23	-155.16	153.21	358.98	539.19	499.74	39.45	13.669		
4,500.00	4,413.83	4,412.17	4,320.75	22.48	20.71	-154.57	172.89	355.21	572.11	531.69	40.42	14.153		
4,600.00	4,511.62	4,502.51	4,409.21	22.99	21.14	-154.11	190.87	351.46	605.43	564.18	41.25	14.677		
4,700.00	4,609.41	4,596.42	4,501.04	23.50	21.60	-153.63	210.12	347.61	639.08	596.94	42.14	15.166		
4,800.00	4,707.20	4,693.27	4,595.67	24.01	22.07	-153.12	230.49	344.29	672.56	629.49	43.08	15.614		
4,900.00	4,804.98	4,786.40	4,686.78	24.52	22.52	-152.71	249.49	341.07	705.74	661.78	43.95	16.056		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 25N(S)-7B-M - OH - OH													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	4,902.77	4,875.31	4,773.83	25.03	22.95	-152.46	267.02	336.77	739.59	694.83	44.76	16.522		
5,100.00	5,000.56	4,966.38	4,863.19	25.54	23.38	-152.39	283.50	330.72	773.89	728.29	45.61	16.969		
5,200.00	5,098.35	5,054.26	4,949.29	26.05	23.80	-152.29	300.13	324.94	808.62	762.22	46.40	17.426		
5,300.00	5,196.14	5,139.22	5,032.08	26.56	24.22	-152.03	318.56	319.96	844.41	797.25	47.16	17.904		
5,400.00	5,293.93	5,267.40	5,156.59	27.07	24.86	-151.44	348.53	315.10	880.05	831.48	48.57	18.119		
5,500.00	5,391.72	5,391.12	5,278.36	27.58	25.44	-151.19	370.33	313.35	909.91	860.08	49.82	18.263		
5,600.00	5,489.51	5,514.46	5,400.29	28.09	26.00	-151.09	388.86	312.36	938.03	887.03	51.00	18.391		
5,700.00	5,587.30	5,605.55	5,490.32	28.61	26.41	-150.96	402.69	312.99	965.08	913.23	51.85	18.613		
5,800.00	5,685.09	5,706.29	5,590.02	29.12	26.86	-150.91	417.09	312.70	992.36	939.58	52.78	18.800		
5,900.00	5,782.88	5,845.06	5,728.07	29.63	27.46	-151.07	431.05	313.29	1,016.34	962.32	54.02	18.815		
6,000.00	5,880.67	5,952.90	5,835.66	30.14	27.91	-151.34	438.35	313.93	1,038.40	983.44	54.96	18.893		
6,100.00	5,978.46	6,058.41	5,941.06	30.65	28.34	-151.71	443.26	313.89	1,059.71	1,003.84	55.88	18.965		
6,200.00	6,076.25	6,155.24	6,037.84	31.17	28.72	-152.13	446.27	313.16	1,080.70	1,023.97	56.73	19.050		
6,298.86	6,172.92	6,264.34	6,146.91	31.67	29.15	-152.66	448.13	311.87	1,101.04	1,043.39	57.65	19.099		
6,300.00	6,174.03	6,265.61	6,148.18	31.68	29.16	-152.76	448.15	311.85	1,101.26	1,043.61	57.66	19.100		
6,350.00	6,223.30	7,789.63	7,050.55	31.92	38.75	-115.00	461.97	1,199.51	1,075.86	1,033.74	42.13	25.539		
6,400.00	6,273.06	7,794.49	7,050.60	32.13	38.83	-131.07	461.93	1,204.38	1,038.79	994.84	43.95	23.635		
6,450.00	6,323.01	7,795.42	7,050.61	32.32	38.85	143.29	461.93	1,205.31	1,002.68	956.86	45.82	21.885		
6,500.00	6,372.84	7,792.47	7,050.58	32.48	38.80	115.15	461.95	1,202.36	967.89	920.17	47.71	20.285		
6,550.00	6,422.24	7,785.69	7,050.52	32.65	38.69	110.81	462.00	1,195.58	934.75	885.12	49.64	18.832		
6,600.00	6,470.92	7,775.66	7,050.41	32.83	38.53	110.27	462.08	1,185.55	903.59	852.01	51.57	17.520		
6,650.00	6,518.56	7,763.79	7,050.32	33.01	38.35	110.70	462.19	1,173.68	874.69	821.16	53.52	16.343		
6,700.00	6,564.89	7,748.61	7,050.25	33.21	38.11	111.19	462.36	1,158.50	848.32	792.89	55.43	15.305		
6,750.00	6,609.60	7,730.11	7,050.26	33.43	37.83	111.50	462.59	1,140.00	824.68	767.42	57.26	14.402		
6,800.00	6,652.43	7,708.33	7,050.40	33.66	37.50	111.53	462.90	1,118.22	803.90	744.92	58.98	13.630		
6,850.00	6,693.10	7,681.54	7,050.74	33.91	37.10	111.16	463.35	1,091.44	786.05	725.51	60.54	12.983		
6,900.00	6,731.38	7,635.46	7,050.97	34.20	36.47	109.62	463.76	1,045.36	770.54	708.75	61.79	12.470		
6,950.00	6,767.02	7,597.14	7,051.06	34.51	35.97	108.51	463.78	1,007.05	757.35	694.34	63.01	12.020		
7,000.00	6,799.81	7,553.10	7,051.23	34.85	35.42	107.13	463.55	963.01	746.36	682.34	64.01	11.660		
7,050.00	6,829.54	7,478.75	7,048.12	35.24	34.59	104.31	462.04	888.76	736.34	671.68	64.66	11.388		
7,100.00	6,856.03	7,427.45	7,042.34	35.66	34.08	102.55	460.39	837.82	726.97	661.43	65.55	11.091		
7,150.00	6,879.11	7,389.01	7,035.83	36.12	33.70	101.31	459.30	799.95	719.05	652.59	66.46	10.820		
7,200.00	6,898.65	7,314.26	7,017.61	36.62	33.16	98.27	457.26	727.54	712.16	644.97	67.20	10.598		
7,250.00	6,914.51	7,238.44	6,990.34	37.15	32.72	94.96	453.33	656.96	705.11	637.19	67.92	10.381		
7,300.00	6,926.62	7,183.00	6,964.25	37.73	32.48	92.51	448.92	608.28	697.73	629.06	68.67	10.161		
7,350.00	6,934.88	7,158.71	6,951.19	38.34	32.39	91.64	447.14	587.88	692.03	622.51	69.53	9.953		
7,400.00	6,939.26	7,139.28	6,940.02	38.97	32.31	90.87	446.37	572.00	688.87	618.51	70.36	9.791		
7,429.12	6,940.00	7,127.95	6,933.22	39.34	32.27	90.35	446.18	562.94	688.15	617.34	70.81	9.718		
7,439.91	6,940.03	7,123.77	6,930.67	39.49	32.26	90.14	446.16	559.64	688.09	617.11	70.98	9.694		
7,500.00	6,940.19	7,091.00	6,909.68	40.31	32.15	88.39	446.94	534.49	690.13	618.29	71.84	9.606		
7,600.00	6,940.46	7,050.84	6,882.13	41.80	32.01	86.11	449.07	505.36	700.87	627.60	73.28	9.565		
7,700.00	6,940.72	6,997.00	6,842.64	43.43	31.83	82.89	452.43	468.94	720.38	645.98	74.40	9.683		
7,800.00	6,940.99	6,960.00	6,813.66	45.19	31.71	80.58	455.00	446.08	748.81	673.48	75.33	9.940		
7,900.00	6,941.25	6,926.94	6,786.38	47.05	31.60	78.45	457.40	427.57	786.25	710.27	75.98	10.348		
8,000.00	6,941.52	6,897.42	6,761.02	49.02	31.51	76.51	459.59	412.63	832.14	755.78	76.36	10.897		
8,100.00	6,941.79	6,864.87	6,732.24	51.06	31.40	74.36	461.70	397.59	885.23	808.75	76.48	11.574		
8,200.00	6,942.05	6,837.69	6,707.64	53.18	31.30	72.55	463.09	386.11	944.56	868.10	76.47	12.353		
8,300.00	6,942.32	6,828.48	6,699.27	55.37	31.28	71.94	463.37	382.27	1,009.28	932.82	76.46	13.201		
8,400.00	6,942.58	6,751.61	6,627.56	57.62	31.01	66.86	464.10	354.65	1,078.20	1,002.45	75.75	14.233		
8,500.00	6,942.85	6,718.00	6,596.01	59.92	30.89	64.68	462.26	343.24	1,149.79	1,074.42	75.37	15.255		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 25N(S)-7B-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,718.00	6,596.01	62.26	30.89	64.68	462.26	343.24	1,225.15	1,149.81	75.33	16.263		
8,700.00	6,943.38	6,684.74	6,564.48	64.65	30.76	62.53	459.67	332.97	1,302.76	1,227.86	74.90	17.393		
8,800.00	6,943.65	6,674.06	6,554.26	67.08	30.72	61.85	458.79	330.01	1,383.40	1,308.70	74.70	18.519		
8,900.00	6,943.91	6,664.51	6,545.08	69.53	30.69	61.24	457.97	327.50	1,466.25	1,391.74	74.50	19.680		
9,000.00	6,944.18	6,655.91	6,536.79	72.02	30.65	60.70	457.22	325.37	1,550.97	1,476.66	74.31	20.873		
9,100.00	6,944.45	6,625.00	6,506.76	74.54	30.54	58.76	454.38	318.59	1,637.80	1,563.88	73.91	22.158		
9,200.00	6,944.71	6,625.00	6,506.76	77.07	30.54	58.76	454.38	318.59	1,725.24	1,651.44	73.80	23.376		
9,300.00	6,944.98	6,625.00	6,506.76	79.63	30.54	58.76	454.38	318.59	1,813.98	1,740.29	73.69	24.617		
9,400.00	6,945.24	6,625.00	6,506.76	82.21	30.54	58.76	454.38	318.59	1,903.84	1,830.27	73.57	25.879		
9,500.00	6,945.51	6,625.00	6,506.76	84.81	30.54	58.76	454.38	318.59	1,994.66	1,921.21	73.45	27.158		
9,600.00	6,945.78	6,625.00	6,506.76	87.43	30.54	58.76	454.38	318.59	2,086.32	2,012.99	73.33	28.451		
9,700.00	6,946.04	6,625.00	6,506.76	90.05	30.54	58.76	454.38	318.59	2,178.72	2,105.50	73.21	29.758		
9,800.00	6,946.31	6,625.00	6,506.76	92.70	30.54	58.76	454.38	318.59	2,271.76	2,198.65	73.10	31.075		
9,900.00	6,946.57	6,625.00	6,506.76	95.35	30.54	58.76	454.38	318.59	2,365.37	2,292.37	73.00	32.403		
10,000.00	6,946.84	6,625.00	6,506.76	98.02	30.54	58.76	454.38	318.59	2,459.48	2,386.58	72.90	33.738		
10,100.00	6,947.11	6,625.00	6,506.76	100.70	30.54	58.76	454.38	318.59	2,554.04	2,481.23	72.80	35.081		
10,200.00	6,947.37	6,625.00	6,506.76	103.38	30.54	58.76	454.38	318.59	2,649.00	2,576.28	72.71	36.430		
10,300.00	6,947.64	6,625.00	6,506.76	106.08	30.54	58.76	454.38	318.59	2,744.31	2,671.68	72.63	37.785		
10,400.00	6,947.90	6,625.00	6,506.76	108.78	30.54	58.76	454.38	318.59	2,839.95	2,767.40	72.55	39.144		
10,500.00	6,948.17	6,625.00	6,506.76	111.49	30.54	58.76	454.38	318.59	2,935.88	2,863.40	72.48	40.508		
10,600.00	6,948.44	6,625.00	6,506.76	114.21	30.54	58.76	454.38	318.59	3,032.07	2,959.67	72.41	41.874		
10,700.00	6,948.70	6,625.00	6,506.76	116.94	30.54	58.76	454.38	318.59	3,128.51	3,056.16	72.34	43.244		
10,800.00	6,948.97	6,625.00	6,506.76	119.67	30.54	58.76	454.38	318.59	3,225.15	3,152.87	72.29	44.617		
10,900.00	6,949.24	6,625.00	6,506.76	122.41	30.54	58.76	454.38	318.59	3,322.00	3,249.77	72.23	45.991		
11,000.00	6,949.50	6,625.00	6,506.76	125.15	30.54	58.76	454.38	318.59	3,419.03	3,346.85	72.18	47.367		
11,100.00	6,949.77	6,625.00	6,506.76	127.90	30.54	58.76	454.38	318.59	3,516.22	3,444.09	72.14	48.744		
11,200.00	6,950.03	6,625.00	6,506.76	130.65	30.54	58.76	454.38	318.59	3,613.57	3,541.48	72.09	50.123		
11,300.00	6,950.30	6,625.00	6,506.76	133.41	30.54	58.76	454.38	318.59	3,711.06	3,639.01	72.06	51.502		
11,400.00	6,950.57	6,625.00	6,506.76	136.17	30.54	58.76	454.38	318.59	3,808.68	3,736.66	72.02	52.882		
11,500.00	6,950.83	6,584.13	6,466.52	138.94	30.38	56.28	451.20	312.28	3,904.36	3,832.46	71.90	54.306		
11,600.00	6,951.10	6,583.02	6,465.42	141.71	30.37	56.22	451.13	312.16	4,002.10	3,930.23	71.87	55.687		
11,700.00	6,951.36	6,581.95	6,464.36	144.48	30.37	56.16	451.07	312.04	4,099.95	4,028.11	71.84	57.067		
11,800.00	6,951.63	6,580.93	6,463.35	147.26	30.36	56.10	451.01	311.93	4,197.90	4,126.08	71.82	58.448		
11,900.00	6,951.90	6,579.95	6,462.37	150.03	30.36	56.04	450.95	311.83	4,295.94	4,224.14	71.81	59.827		
12,000.00	6,952.16	6,579.00	6,461.44	152.82	30.36	55.98	450.90	311.74	4,394.07	4,322.28	71.79	61.206		
12,100.00	6,952.43	6,578.10	6,460.53	155.60	30.35	55.93	450.85	311.64	4,492.28	4,420.50	71.78	62.585		
12,200.00	6,952.69	6,577.22	6,459.67	158.39	30.35	55.88	450.80	311.56	4,590.57	4,518.79	71.77	63.962		
12,300.00	6,952.96	6,576.38	6,458.83	161.18	30.35	55.83	450.76	311.48	4,688.92	4,617.16	71.76	65.338		
12,400.00	6,953.23	6,575.57	6,458.02	163.97	30.34	55.78	450.72	311.40	4,787.34	4,715.58	71.76	66.713		
12,500.00	6,953.49	6,574.79	6,457.25	166.77	30.34	55.74	450.67	311.33	4,885.83	4,814.07	71.76	68.087		
12,600.00	6,953.76	6,574.04	6,456.50	169.56	30.34	55.69	450.63	311.26	4,984.37	4,912.61	71.76	69.459		
12,700.00	6,954.02	6,532.00	6,414.55	172.36	30.17	53.34	449.23	309.27	5,085.01	5,013.30	71.71	70.914		
12,800.00	6,954.29	6,532.00	6,414.55	175.16	30.17	53.34	449.23	309.27	5,183.58	5,111.87	71.71	72.281		
12,900.00	6,954.56	6,532.00	6,414.55	177.97	30.17	53.34	449.23	309.27	5,282.21	5,210.49	71.72	73.646		
13,000.00	6,954.82	6,532.00	6,414.55	180.77	30.17	53.34	449.23	309.27	5,380.90	5,309.16	71.74	75.009		
13,100.00	6,955.09	6,532.00	6,414.55	183.58	30.17	53.34	449.23	309.27	5,479.63	5,407.88	71.75	76.371		
13,200.00	6,955.35	6,532.00	6,414.55	186.38	30.17	53.34	449.23	309.27	5,578.40	5,506.64	71.77	77.731		
13,300.00	6,955.62	6,532.00	6,414.55	189.19	30.17	53.34	449.23	309.27	5,677.22	5,605.44	71.78	79.089		
13,400.00	6,955.89	6,532.00	6,414.55	192.00	30.17	53.34	449.23	309.27	5,776.08	5,704.28	71.80	80.445		
13,500.00	6,956.15	6,532.00	6,414.55	194.82	30.17	53.34	449.23	309.27	5,874.97	5,803.15	71.82	81.799		
13,600.00	6,956.42	6,532.00	6,414.55	197.63	30.17	53.34	449.23	309.27	5,973.91	5,902.06	71.84	83.150		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,532.00	6,414.55	200.44	30.17	53.34	449.23	309.27	6,072.88	6,001.01	71.87	84.499		
13,800.00	6,956.95	6,532.00	6,414.55	203.26	30.17	53.34	449.23	309.27	6,171.88	6,099.98	71.89	85.846		
13,900.00	6,957.22	6,532.00	6,414.55	206.08	30.17	53.34	449.23	309.27	6,270.91	6,198.99	71.92	87.190		
14,000.00	6,957.48	6,532.00	6,414.55	208.89	30.17	53.34	449.23	309.27	6,369.98	6,298.03	71.95	88.532		
14,100.00	6,957.75	6,532.00	6,414.55	211.71	30.17	53.34	449.23	309.27	6,469.07	6,397.09	71.98	89.871		
14,200.00	6,958.02	6,532.00	6,414.55	214.53	30.17	53.34	449.23	309.27	6,568.19	6,496.18	72.01	91.208		
14,300.00	6,958.28	6,532.00	6,414.55	217.36	30.17	53.34	449.23	309.27	6,667.34	6,595.29	72.05	92.542		
14,400.00	6,958.55	6,532.00	6,414.55	220.18	30.17	53.34	449.23	309.27	6,766.51	6,694.43	72.08	93.873		
14,500.00	6,958.81	6,532.00	6,414.55	223.00	30.17	53.34	449.23	309.27	6,865.70	6,793.58	72.12	95.201		
14,600.00	6,959.08	6,532.00	6,414.55	225.83	30.17	53.34	449.23	309.27	6,964.92	6,892.77	72.16	96.526		
14,700.00	6,959.35	6,532.00	6,414.55	228.65	30.17	53.34	449.23	309.27	7,064.16	6,991.97	72.19	97.849		
14,800.00	6,959.61	6,532.00	6,414.55	231.48	30.17	53.34	449.23	309.27	7,163.42	7,091.19	72.24	99.168		
14,900.00	6,959.88	6,532.00	6,414.55	234.30	30.17	53.34	449.23	309.27	7,262.71	7,190.43	72.28	100.485		
15,000.00	6,960.14	6,532.00	6,414.55	237.13	30.17	53.34	449.23	309.27	7,362.01	7,289.69	72.32	101.798		
15,100.00	6,960.41	6,532.00	6,414.55	239.96	30.17	53.34	449.23	309.27	7,461.33	7,388.96	72.36	103.108		
15,200.00	6,960.68	6,532.00	6,414.55	242.79	30.17	53.34	449.23	309.27	7,560.67	7,488.26	72.41	104.415		
15,300.00	6,960.94	6,532.00	6,414.55	245.62	30.17	53.34	449.23	309.27	7,660.02	7,587.56	72.46	105.719		
15,400.00	6,961.21	6,532.00	6,414.55	248.45	30.17	53.34	449.23	309.27	7,759.39	7,686.89	72.50	107.020		
15,500.00	6,961.47	6,532.00	6,414.55	251.28	30.17	53.34	449.23	309.27	7,858.78	7,786.23	72.55	108.317		
15,600.00	6,961.74	6,532.00	6,414.55	254.11	30.17	53.34	449.23	309.27	7,958.18	7,885.58	72.60	109.611		
15,700.00	6,962.01	6,532.00	6,414.55	256.94	30.17	53.34	449.23	309.27	8,057.60	7,984.95	72.66	110.902		
15,800.00	6,962.27	6,532.00	6,414.55	259.77	30.17	53.34	449.23	309.27	8,157.03	8,084.33	72.71	112.189		
15,900.00	6,962.54	6,532.00	6,414.55	262.61	30.17	53.34	449.23	309.27	8,256.48	8,183.72	72.76	113.473		
16,000.00	6,962.80	6,532.00	6,414.55	265.44	30.17	53.34	449.23	309.27	8,355.94	8,283.12	72.82	114.754		
16,100.00	6,963.07	6,532.00	6,414.55	268.28	30.17	53.34	449.23	309.27	8,455.41	8,382.54	72.87	116.031		
16,200.00	6,963.34	6,532.00	6,414.55	271.11	30.17	53.34	449.23	309.27	8,554.89	8,481.97	72.93	117.304		
16,300.00	6,963.60	6,532.00	6,414.55	273.95	30.17	53.34	449.23	309.27	8,654.39	8,581.40	72.99	118.574		
16,400.00	6,963.87	6,532.00	6,414.55	276.78	30.17	53.34	449.23	309.27	8,753.90	8,680.85	73.05	119.840		
16,500.00	6,964.13	6,532.00	6,414.55	279.62	30.17	53.34	449.23	309.27	8,853.42	8,780.31	73.11	121.102		
16,600.00	6,964.40	6,532.00	6,414.55	282.46	30.17	53.34	449.23	309.27	8,952.95	8,879.78	73.17	122.361		
16,700.00	6,964.67	6,532.00	6,414.55	285.29	30.17	53.34	449.23	309.27	9,052.49	8,979.26	73.23	123.617		
16,800.00	6,964.93	6,532.00	6,414.55	288.13	30.17	53.34	449.23	309.27	9,152.04	9,078.74	73.29	124.868		
16,900.00	6,965.20	6,532.00	6,414.55	290.97	30.17	53.34	449.23	309.27	9,251.59	9,178.24	73.36	126.116		
17,000.00	6,965.46	6,532.00	6,414.55	293.81	30.17	53.34	449.23	309.27	9,351.16	9,277.74	73.42	127.360		
17,100.00	6,965.73	6,532.00	6,414.55	296.65	30.17	53.34	449.23	309.27	9,450.74	9,377.25	73.49	128.600		
17,200.00	6,966.00	6,532.00	6,414.55	299.49	30.17	53.34	449.23	309.27	9,550.33	9,476.77	73.56	129.837		
17,300.00	6,966.26	6,532.00	6,414.55	302.32	30.17	53.34	449.23	309.27	9,649.92	9,576.30	73.62	131.069		
17,400.00	6,966.53	6,532.00	6,414.55	305.16	30.17	53.34	449.23	309.27	9,749.53	9,675.83	73.69	132.298		
17,500.00	6,966.80	6,532.00	6,414.55	308.00	30.17	53.34	449.23	309.27	9,849.14	9,775.38	73.76	133.523		
17,600.00	6,967.06	6,532.00	6,414.55	310.85	30.17	53.34	449.23	309.27	9,948.76	9,874.92	73.83	134.744		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	139.71	-597.46	506.43	783.29					
100.00	100.00	80.99	80.99	3.28	3.29	139.70	-597.68	506.80	783.67	777.10	6.57	119.281		
200.00	200.00	176.62	176.61	3.34	3.31	139.67	-598.45	508.12	785.16	778.51	6.65	118.041		
300.00	299.98	283.99	283.96	3.44	3.41	39.71	-599.01	509.48	785.04	778.19	6.85	114.549		
400.00	399.84	399.61	399.58	3.60	3.58	39.95	-597.93	510.27	780.77	773.58	7.18	108.732		
500.00	499.45	541.53	541.32	3.80	3.87	40.41	-591.32	509.55	770.31	762.60	7.70	99.984		
600.00	598.70	690.95	689.72	4.05	4.25	40.99	-574.67	505.68	750.88	742.47	8.40	89.370		
700.00	697.47	842.24	837.85	4.33	4.73	41.43	-544.66	500.48	721.67	712.44	9.23	78.204		
803.50	799.05	961.69	952.68	4.67	5.15	41.68	-511.96	497.15	683.45	673.50	9.95	68.672		
900.00	893.41	1,071.68	1,057.36	5.02	5.57	41.33	-478.43	493.50	644.18	633.52	10.66	60.414		
1,000.00	991.20	1,164.04	1,144.81	5.41	5.97	41.01	-449.03	489.18	601.69	590.38	11.31	53.186		
1,100.00	1,088.99	1,243.93	1,220.85	5.81	6.32	40.86	-424.95	484.74	559.92	547.98	11.94	46.882		
1,200.00	1,186.78	1,348.13	1,320.38	6.23	6.79	40.87	-394.95	477.53	518.37	505.67	12.70	40.818		
1,300.00	1,284.57	1,447.34	1,414.15	6.67	7.26	40.65	-363.42	470.27	474.35	460.90	13.45	35.264		
1,400.00	1,382.36	1,534.87	1,496.21	7.12	7.70	39.98	-333.33	465.70	429.73	415.53	14.20	30.267		
1,500.00	1,480.15	1,611.31	1,568.13	7.57	8.08	39.15	-307.55	463.15	386.80	371.84	14.96	25.853		
1,600.00	1,577.94	1,698.48	1,650.96	8.03	8.51	38.19	-280.47	461.09	346.42	330.66	15.76	21.977		
1,700.00	1,675.73	1,789.83	1,737.55	8.50	8.97	36.70	-251.43	459.83	306.30	289.71	16.58	18.470		
1,800.00	1,773.52	1,881.30	1,824.02	8.98	9.43	34.50	-221.57	459.38	266.42	249.00	17.42	15.292		
1,900.00	1,871.31	1,974.13	1,911.85	9.45	9.91	31.67	-191.55	458.18	226.64	208.37	18.27	12.405		
2,000.00	1,969.10	2,067.14	1,999.83	9.94	10.39	27.93	-161.53	455.55	186.43	167.30	19.13	9.747		
2,100.00	2,066.88	2,158.12	2,085.94	10.42	10.87	22.54	-132.32	452.29	146.73	126.69	20.03	7.324		
2,200.00	2,164.67	2,249.63	2,172.64	10.91	11.35	13.71	-103.30	448.35	108.50	87.49	21.01	5.164		
2,300.00	2,262.46	2,341.47	2,259.72	11.40	11.84	-2.81	-74.64	442.91	73.43	51.23	22.19	3.308		
2,400.00	2,360.25	2,432.08	2,345.59	11.89	12.32	-36.61	-46.54	436.07	50.35	26.51	23.84	2.112		
2,424.43	2,384.14	2,453.86	2,366.21	12.01	12.44	-47.61	-39.72	434.39	49.16	25.01	24.15	2.036 CC, ES, SF		
2,500.00	2,458.04	2,521.50	2,430.15	12.39	12.80	-78.65	-18.25	429.44	59.61	35.22	24.39	2.444		
2,600.00	2,555.83	2,612.58	2,516.45	12.88	13.29	-102.37	10.04	422.42	91.36	66.66	24.70	3.698		
2,700.00	2,653.62	2,705.28	2,604.79	13.38	13.78	-113.08	37.60	417.00	128.52	103.08	25.44	5.052		
2,800.00	2,751.41	2,796.33	2,691.56	13.88	14.26	-117.77	65.07	414.67	167.09	140.86	26.23	6.370		
2,900.00	2,849.20	2,887.06	2,777.91	14.38	14.74	-120.61	92.82	412.57	206.55	179.49	27.06	7.633		
3,000.00	2,946.99	2,977.42	2,863.84	14.88	15.23	-122.64	120.65	409.92	246.72	218.82	27.90	8.843		
3,100.00	3,044.78	3,069.33	2,950.99	15.38	15.72	-123.72	149.80	408.90	287.15	258.35	28.80	9.970		
3,200.00	3,142.57	3,162.55	3,039.33	15.89	16.22	-124.33	179.54	409.07	327.26	297.52	29.74	11.004		
3,300.00	3,240.36	3,250.85	3,123.04	16.39	16.69	-124.86	207.68	408.67	367.62	337.06	30.57	12.028		
3,400.00	3,338.15	3,339.67	3,207.15	16.89	17.17	-125.41	236.17	407.32	408.65	377.23	31.41	13.010		
3,500.00	3,435.93	3,434.31	3,296.95	17.40	17.69	-126.05	265.94	404.89	449.63	417.25	32.38	13.886		
3,600.00	3,533.72	3,541.98	3,399.59	17.90	18.26	-126.51	298.43	404.18	488.72	455.15	33.58	14.555		
3,700.00	3,631.51	3,637.58	3,491.16	18.41	18.75	-126.84	325.91	404.41	526.22	491.68	34.53	15.238		
3,800.00	3,729.30	3,732.77	3,582.65	18.92	19.25	-127.22	352.17	404.32	562.90	527.42	35.48	15.867		
3,900.00	3,827.09	3,819.17	3,665.54	19.42	19.69	-127.49	376.53	404.23	600.11	563.82	36.28	16.539		
4,000.00	3,924.88	3,905.95	3,748.43	19.93	20.15	-127.64	402.20	404.63	638.24	601.13	37.11	17.200		
4,100.00	4,022.67	3,991.66	3,830.01	20.44	20.61	-127.71	428.49	405.11	677.24	639.32	37.92	17.861		
4,200.00	4,120.46	4,076.35	3,910.36	20.95	21.07	-127.75	455.29	405.42	717.15	678.43	38.72	18.522		
4,300.00	4,218.25	4,156.70	3,986.22	21.46	21.51	-127.74	481.77	405.69	758.17	718.72	39.45	19.217		
4,400.00	4,316.04	4,237.55	4,062.13	21.97	21.96	-127.69	509.59	405.86	800.48	760.28	40.20	19.911		
4,500.00	4,413.83	4,349.09	4,166.98	22.48	22.58	-127.68	547.59	405.50	842.86	801.39	41.47	20.326		
4,600.00	4,511.62	4,464.92	4,277.44	22.99	23.20	-127.89	582.43	404.38	882.05	839.30	42.74	20.637		
4,700.00	4,609.41	4,563.85	4,372.31	23.50	23.72	-128.12	610.46	403.37	919.83	876.09	43.74	21.028		
4,800.00	4,707.20	4,658.67	4,463.57	24.01	24.21	-128.38	636.14	402.01	956.77	912.09	44.68	21.412		
4,900.00	4,804.98	4,722.20	4,524.51	24.52	24.55	-128.57	654.00	400.11	995.33	950.14	45.19	22.024		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 25N-7B-M - OH - OH		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	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)					
5,000.00	4,902.77	4,796.20	4,595.01	25.03	24.95	-128.79	676.27	396.89	1,036.16	990.31	45.84	22.602				
5,100.00	5,000.56	4,890.07	4,684.18	25.54	25.46	-129.03	705.27	392.55	1,077.82	1,031.03	46.80	23.033				
5,200.00	5,098.35	4,968.19	4,758.54	26.05	25.89	-129.26	728.87	388.55	1,119.24	1,071.73	47.51	23.557				
5,300.00	5,196.14	5,049.56	4,835.49	26.56	26.34	-129.47	754.87	383.70	1,162.39	1,114.11	48.28	24.076				
5,400.00	5,293.93	5,168.41	4,948.67	27.07	26.99	-129.87	790.17	375.57	1,204.17	1,154.58	49.59	24.281				
5,500.00	5,391.72	5,270.66	5,046.58	27.58	27.53	-130.22	818.88	368.85	1,244.57	1,193.92	50.65	24.574				
5,600.00	5,489.51	5,391.99	5,163.01	28.09	28.17	-130.54	852.48	363.10	1,283.84	1,231.90	51.94	24.720				
5,700.00	5,587.30	5,546.49	5,313.29	28.61	28.93	-131.24	886.63	352.72	1,319.55	1,266.04	53.51	24.658				
5,800.00	5,685.09	5,684.25	5,448.55	29.12	29.58	-131.91	911.44	344.61	1,351.64	1,296.83	54.81	24.662				
5,900.00	5,782.88	5,810.58	5,572.86	29.63	30.15	-132.34	933.75	341.76	1,381.72	1,325.76	55.96	24.691				
6,000.00	5,880.67	5,941.43	5,702.25	30.14	30.73	-132.79	953.20	340.41	1,408.75	1,351.64	57.11	24.669				
6,100.00	5,978.46	6,036.49	5,796.38	30.65	31.15	-133.11	966.40	339.75	1,434.93	1,376.94	57.98	24.747				
6,200.00	6,076.25	6,131.89	5,890.87	31.17	31.56	-133.44	979.49	338.64	1,461.27	1,402.41	58.86	24.825				
6,298.86	6,172.92	6,298.37	6,056.17	31.67	32.26	-134.01	999.16	338.46	1,485.45	1,425.29	60.16	24.693				
6,300.00	6,174.03	6,300.62	6,058.41	31.68	32.27	-134.12	999.38	338.50	1,485.69	1,425.52	60.17	24.691				
6,350.00	6,223.30	6,374.14	6,131.60	31.92	32.57	-141.10	1,006.03	340.17	1,494.93	1,434.22	60.71	24.623				
6,400.00	6,273.06	7,899.80	7,072.53	32.13	40.82	-127.16	1,043.73	1,259.69	1,497.41	1,440.17	57.25	26.156				
6,450.00	6,323.01	7,898.42	7,072.58	32.32	40.80	144.94	1,043.75	1,258.32	1,472.58	1,413.94	58.64	25.112				
6,500.00	6,372.84	7,893.39	7,072.79	32.48	40.73	114.83	1,043.83	1,253.29	1,449.24	1,389.28	59.97	24.168				
6,550.00	6,422.24	7,884.56	7,073.18	32.65	40.60	108.85	1,043.96	1,244.47	1,427.58	1,366.36	61.22	23.319				
6,600.00	6,470.92	7,871.81	7,073.79	32.83	40.41	106.94	1,044.13	1,231.73	1,407.74	1,345.35	62.39	22.563				
6,650.00	6,518.56	7,855.04	7,074.67	33.01	40.16	106.16	1,044.32	1,214.99	1,389.80	1,326.34	63.46	21.900				
6,700.00	6,564.89	7,835.26	7,075.77	33.21	39.85	105.75	1,044.52	1,195.24	1,373.80	1,309.38	64.42	21.326				
6,750.00	6,609.60	7,808.34	7,077.46	33.43	39.49	105.27	1,044.72	1,168.37	1,359.76	1,294.49	65.27	20.834				
6,800.00	6,652.43	7,779.91	7,078.63	33.66	39.12	104.81	1,045.14	1,139.97	1,347.59	1,281.54	66.05	20.404				
6,850.00	6,693.10	7,535.89	7,043.40	33.91	36.54	96.08	1,044.71	900.21	1,337.01	1,272.17	64.84	20.620				
6,900.00	6,731.38	7,522.19	7,038.62	34.20	36.44	96.33	1,044.32	887.38	1,324.76	1,258.99	65.77	20.143				
6,950.00	6,767.02	7,507.54	7,033.16	34.51	36.35	96.44	1,044.05	873.79	1,314.31	1,247.66	66.65	19.719				
7,000.00	6,799.81	7,492.12	7,027.02	34.85	36.25	96.42	1,043.93	859.65	1,305.70	1,238.21	67.49	19.346				
7,050.00	6,829.54	7,476.09	7,020.21	35.24	36.16	96.25	1,044.00	845.13	1,298.92	1,230.62	68.30	19.018				
7,100.00	6,856.03	7,450.00	7,008.23	35.66	36.02	95.58	1,044.49	821.97	1,294.04	1,225.01	69.02	18.748				
7,150.00	6,879.11	7,439.44	7,003.10	36.12	35.97	95.38	1,044.81	812.74	1,290.83	1,221.01	69.82	18.489				
7,200.00	6,898.65	7,414.48	6,990.59	36.62	35.86	94.56	1,045.66	791.16	1,289.28	1,218.75	70.53	18.280				
7,227.04	6,907.69	7,400.63	6,983.41	36.91	35.80	94.06	1,046.20	779.33	1,289.07	1,218.17	70.91	18.180				
7,250.00	6,914.51	7,388.70	6,977.09	37.15	35.76	93.62	1,046.70	769.23	1,289.22	1,218.01	71.21	18.105				
7,300.00	6,926.62	7,370.09	6,967.01	37.73	35.69	92.85	1,047.49	753.60	1,290.50	1,218.61	71.88	17.953				
7,350.00	6,934.88	7,309.54	6,932.29	38.34	35.50	90.73	1,050.29	704.08	1,292.78	1,220.38	72.40	17.856				
7,400.00	6,939.26	7,244.09	6,892.19	38.97	35.33	88.53	1,051.96	652.40	1,295.20	1,222.35	72.84	17.780				
7,429.12	6,940.00	7,192.16	6,858.99	39.34	35.20	86.91	1,051.99	612.46	1,296.37	1,223.35	73.02	17.753				
7,500.00	6,940.19	7,106.35	6,801.70	40.31	35.01	84.37	1,049.55	548.64	1,298.82	1,225.18	73.64	17.638				
7,600.00	6,940.46	7,036.54	6,752.12	41.80	34.84	82.17	1,046.12	499.65	1,304.45	1,229.61	74.84	17.430				
7,700.00	6,940.72	6,988.56	6,715.79	43.43	34.73	80.58	1,043.76	468.41	1,314.90	1,238.70	76.20	17.256				
7,800.00	6,940.99	6,949.28	6,684.55	45.19	34.62	79.21	1,041.90	444.68	1,330.72	1,253.12	77.61	17.147				
7,900.00	6,941.25	6,916.89	6,657.60	47.05	34.53	78.04	1,040.39	426.78	1,352.26	1,273.25	79.01	17.116				
8,000.00	6,941.52	6,894.00	6,637.96	49.02	34.47	77.19	1,039.31	415.08	1,379.56	1,299.19	80.38	17.163				
8,100.00	6,941.79	6,851.09	6,599.91	51.06	34.32	75.56	1,036.96	395.39	1,412.38	1,330.92	81.47	17.337				
8,200.00	6,942.05	6,819.18	6,570.73	53.18	34.22	74.31	1,034.34	382.77	1,450.28	1,367.78	82.50	17.580				
8,300.00	6,942.32	6,790.00	6,543.49	55.37	34.12	73.14	1,031.31	372.78	1,493.24	1,409.84	83.40	17.905				
8,400.00	6,942.58	6,790.00	6,543.49	57.62	34.12	73.14	1,031.31	372.78	1,541.13	1,456.69	84.44	18.252				
8,500.00	6,942.85	6,790.00	6,543.49	59.92	34.12	73.14	1,031.31	372.78	1,593.86	1,508.54	85.33	18.680				

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 25N-7B-M - OH - OH		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	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)					
8,600.00	6,943.12	6,790.00	6,543.49	62.26	34.12	73.14	1,031.31	372.78		1,650.98	1,564.91	86.07	19.181				
8,700.00	6,943.38	6,790.00	6,543.49	64.65	34.12	73.14	1,031.31	372.78		1,712.03	1,625.34	86.69	19.748				
8,800.00	6,943.65	6,752.25	6,507.51	67.08	33.99	71.62	1,027.38	362.09		1,775.02	1,688.09	86.93	20.418				
8,900.00	6,943.91	6,746.30	6,501.76	69.53	33.97	71.38	1,026.83	360.63		1,842.22	1,754.89	87.32	21.096				
9,000.00	6,944.18	6,740.83	6,496.47	72.02	33.95	71.16	1,026.34	359.35		1,912.21	1,824.57	87.64	21.819				
9,100.00	6,944.45	6,735.80	6,491.58	74.54	33.93	70.95	1,025.91	358.22		1,984.72	1,896.83	87.89	22.582				
9,200.00	6,944.71	6,731.15	6,487.06	77.07	33.91	70.77	1,025.52	357.21		2,059.47	1,971.39	88.08	23.381				
9,300.00	6,944.98	6,695.00	6,451.61	79.63	33.78	69.31	1,022.91	350.72		2,137.41	2,049.39	88.02	24.283				
9,400.00	6,945.24	6,695.00	6,451.61	82.21	33.78	69.31	1,022.91	350.72		2,215.73	2,127.57	88.17	25.131				
9,500.00	6,945.51	6,695.00	6,451.61	84.81	33.78	69.31	1,022.91	350.72		2,295.74	2,207.47	88.28	26.006				
9,600.00	6,945.78	6,695.00	6,451.61	87.43	33.78	69.31	1,022.91	350.72		2,377.27	2,288.91	88.36	26.906				
9,700.00	6,946.04	6,695.00	6,451.61	90.05	33.78	69.31	1,022.91	350.72		2,460.15	2,371.74	88.41	27.827				
9,800.00	6,946.31	6,695.00	6,451.61	92.70	33.78	69.31	1,022.91	350.72		2,544.27	2,455.83	88.44	28.769				
9,900.00	6,946.57	6,695.00	6,451.61	95.35	33.78	69.31	1,022.91	350.72		2,629.50	2,541.04	88.45	29.728				
10,000.00	6,946.84	6,695.00	6,451.61	98.02	33.78	69.31	1,022.91	350.72		2,715.73	2,627.28	88.45	30.703				
10,100.00	6,947.11	6,695.00	6,451.61	100.70	33.78	69.31	1,022.91	350.72		2,802.89	2,714.44	88.44	31.692				
10,200.00	6,947.37	6,695.00	6,451.61	103.38	33.78	69.31	1,022.91	350.72		2,890.87	2,802.45	88.42	32.695				
10,300.00	6,947.64	6,695.00	6,451.61	106.08	33.78	69.31	1,022.91	350.72		2,979.61	2,891.22	88.39	33.709				
10,400.00	6,947.90	6,695.00	6,451.61	108.78	33.78	69.31	1,022.91	350.72		3,069.04	2,980.69	88.36	34.734				
10,500.00	6,948.17	6,695.00	6,451.61	111.49	33.78	69.31	1,022.91	350.72		3,159.11	3,070.79	88.32	35.769				
10,600.00	6,948.44	6,695.00	6,451.61	114.21	33.78	69.31	1,022.91	350.72		3,249.76	3,161.48	88.28	36.812				
10,700.00	6,948.70	6,695.00	6,451.61	116.94	33.78	69.31	1,022.91	350.72		3,340.94	3,252.71	88.24	37.864				
10,800.00	6,948.97	6,695.00	6,451.61	119.67	33.78	69.31	1,022.91	350.72		3,432.62	3,344.43	88.19	38.923				
10,900.00	6,949.24	6,695.00	6,451.61	122.41	33.78	69.31	1,022.91	350.72		3,524.74	3,436.60	88.14	39.989				
11,000.00	6,949.50	6,695.00	6,451.61	125.15	33.78	69.31	1,022.91	350.72		3,617.29	3,529.19	88.10	41.060				
11,100.00	6,949.77	6,695.00	6,451.61	127.90	33.78	69.31	1,022.91	350.72		3,710.22	3,622.17	88.05	42.137				
11,200.00	6,950.03	6,695.00	6,451.61	130.65	33.78	69.31	1,022.91	350.72		3,803.51	3,715.50	88.00	43.219				
11,300.00	6,950.30	6,695.00	6,451.61	133.41	33.78	69.31	1,022.91	350.72		3,897.13	3,809.17	87.96	44.306				
11,400.00	6,950.57	6,695.00	6,451.61	136.17	33.78	69.31	1,022.91	350.72		3,991.06	3,903.15	87.92	45.397				
11,500.00	6,950.83	6,695.00	6,451.61	138.94	33.78	69.31	1,022.91	350.72		4,085.28	3,997.41	87.87	46.491				
11,600.00	6,951.10	6,695.00	6,451.61	141.71	33.78	69.31	1,022.91	350.72		4,179.77	4,091.94	87.83	47.589				
11,700.00	6,951.36	6,695.00	6,451.61	144.48	33.78	69.31	1,022.91	350.72		4,274.51	4,186.72	87.79	48.690				
11,800.00	6,951.63	6,695.00	6,451.61	147.26	33.78	69.31	1,022.91	350.72		4,369.49	4,281.74	87.75	49.794				
11,900.00	6,951.90	6,695.00	6,451.61	150.03	33.78	69.31	1,022.91	350.72		4,464.68	4,376.97	87.71	50.900				
12,000.00	6,952.16	6,695.00	6,451.61	152.82	33.78	69.31	1,022.91	350.72		4,560.08	4,472.40	87.68	52.009				
12,100.00	6,952.43	6,695.00	6,451.61	155.60	33.78	69.31	1,022.91	350.72		4,655.67	4,568.03	87.65	53.119				
12,200.00	6,952.69	6,695.00	6,451.61	158.39	33.78	69.31	1,022.91	350.72		4,751.45	4,663.83	87.61	54.232				
12,300.00	6,952.96	6,695.00	6,451.61	161.18	33.78	69.31	1,022.91	350.72		4,847.39	4,759.81	87.58	55.346				
12,400.00	6,953.23	6,695.00	6,451.61	163.97	33.78	69.31	1,022.91	350.72		4,943.50	4,855.94	87.56	56.461				
12,500.00	6,953.49	6,695.00	6,451.61	166.77	33.78	69.31	1,022.91	350.72		5,039.75	4,952.22	87.53	57.578				
12,600.00	6,953.76	6,695.00	6,451.61	169.56	33.78	69.31	1,022.91	350.72		5,136.15	5,048.65	87.51	58.695				
12,700.00	6,954.02	6,695.00	6,451.61	172.36	33.78	69.31	1,022.91	350.72		5,232.69	5,145.20	87.48	59.814				
12,800.00	6,954.29	6,695.00	6,451.61	175.16	33.78	69.31	1,022.91	350.72		5,329.35	5,241.89	87.46	60.933				
12,900.00	6,954.56	6,695.00	6,451.61	177.97	33.78	69.31	1,022.91	350.72		5,426.13	5,338.69	87.44	62.053				
13,000.00	6,954.82	6,695.00	6,451.61	180.77	33.78	69.31	1,022.91	350.72		5,523.03	5,435.60	87.43	63.173				
13,100.00	6,955.09	6,653.82	6,410.78	183.58	33.63	67.67	1,020.61	345.93		5,618.60	5,531.28	87.32	64.347				
13,200.00	6,955.35	6,652.96	6,409.92	186.38	33.63	67.64	1,020.56	345.86		5,715.65	5,628.35	87.30	65.469				
13,300.00	6,955.62	6,652.13	6,409.10	189.19	33.62	67.61	1,020.52	345.79		5,812.80	5,725.51	87.29	66.592				
13,400.00	6,955.89	6,651.32	6,408.29	192.00	33.62	67.58	1,020.48	345.72		5,910.04	5,822.76	87.28	67.714				
13,500.00	6,956.15	6,650.54	6,407.51	194.82	33.62	67.54	1,020.45	345.66		6,007.38	5,920.11	87.27	68.836				
13,600.00	6,956.42	6,649.78	6,406.75	197.63	33.61	67.51	1,020.41	345.60		6,104.80	6,017.53	87.26	69.958				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,649.04	6,406.02	200.44	33.61	67.49	1,020.37	345.54	6,202.30	6,115.04	87.26	71.080		
13,800.00	6,956.95	6,648.32	6,405.30	203.26	33.61	67.46	1,020.34	345.48	6,299.88	6,212.62	87.25	72.201		
13,900.00	6,957.22	6,647.62	6,404.60	206.08	33.61	67.43	1,020.30	345.43	6,397.53	6,310.28	87.25	73.322		
14,000.00	6,957.48	6,646.94	6,403.93	208.89	33.60	67.40	1,020.27	345.38	6,495.25	6,408.00	87.25	74.442		
14,100.00	6,957.75	6,646.28	6,403.27	211.71	33.60	67.38	1,020.24	345.33	6,593.04	6,505.79	87.25	75.562		
14,200.00	6,958.02	6,645.63	6,402.63	214.53	33.60	67.35	1,020.21	345.28	6,690.90	6,603.64	87.26	76.681		
14,300.00	6,958.28	6,645.01	6,402.00	217.36	33.60	67.33	1,020.18	345.23	6,788.81	6,701.55	87.26	77.800		
14,400.00	6,958.55	6,644.40	6,401.39	220.18	33.59	67.30	1,020.15	345.19	6,886.79	6,799.52	87.27	78.917		
14,500.00	6,958.81	6,643.80	6,400.80	223.00	33.59	67.28	1,020.12	345.15	6,984.82	6,897.55	87.27	80.034		
14,600.00	6,959.08	6,643.22	6,400.22	225.83	33.59	67.26	1,020.10	345.11	7,082.91	6,995.62	87.28	81.149		
14,700.00	6,959.35	6,601.00	6,358.07	228.65	33.43	65.62	1,018.42	343.48	7,182.49	7,095.28	87.21	82.361		
14,800.00	6,959.61	6,601.00	6,358.07	231.48	33.43	65.62	1,018.42	343.48	7,280.64	7,193.42	87.22	83.474		
14,900.00	6,959.88	6,601.00	6,358.07	234.30	33.43	65.62	1,018.42	343.48	7,378.84	7,291.60	87.24	84.585		
15,000.00	6,960.14	6,601.00	6,358.07	237.13	33.43	65.62	1,018.42	343.48	7,477.08	7,389.83	87.25	85.696		
15,100.00	6,960.41	6,601.00	6,358.07	239.96	33.43	65.62	1,018.42	343.48	7,575.38	7,488.11	87.27	86.805		
15,200.00	6,960.68	6,601.00	6,358.07	242.79	33.43	65.62	1,018.42	343.48	7,673.72	7,586.43	87.29	87.913		
15,300.00	6,960.94	6,601.00	6,358.07	245.62	33.43	65.62	1,018.42	343.48	7,772.09	7,684.79	87.31	89.020		
15,400.00	6,961.21	6,601.00	6,358.07	248.45	33.43	65.62	1,018.42	343.48	7,870.52	7,783.19	87.33	90.125		
15,500.00	6,961.47	6,601.00	6,358.07	251.28	33.43	65.62	1,018.42	343.48	7,968.97	7,881.62	87.35	91.229		
15,600.00	6,961.74	6,601.00	6,358.07	254.11	33.43	65.62	1,018.42	343.48	8,067.47	7,980.10	87.38	92.331		
15,700.00	6,962.01	6,601.00	6,358.07	256.94	33.43	65.62	1,018.42	343.48	8,166.01	8,078.61	87.40	93.432		
15,800.00	6,962.27	6,601.00	6,358.07	259.77	33.43	65.62	1,018.42	343.48	8,264.58	8,177.15	87.43	94.532		
15,900.00	6,962.54	6,601.00	6,358.07	262.61	33.43	65.62	1,018.42	343.48	8,363.18	8,275.73	87.45	95.630		
16,000.00	6,962.80	6,601.00	6,358.07	265.44	33.43	65.62	1,018.42	343.48	8,461.82	8,374.33	87.48	96.726		
16,100.00	6,963.07	6,601.00	6,358.07	268.28	33.43	65.62	1,018.42	343.48	8,560.48	8,472.97	87.51	97.820		
16,200.00	6,963.34	6,601.00	6,358.07	271.11	33.43	65.62	1,018.42	343.48	8,659.18	8,571.64	87.54	98.913		
16,300.00	6,963.60	6,601.00	6,358.07	273.95	33.43	65.62	1,018.42	343.48	8,757.91	8,670.34	87.57	100.005		
16,400.00	6,963.87	6,601.00	6,358.07	276.78	33.43	65.62	1,018.42	343.48	8,856.67	8,769.06	87.61	101.094		
16,500.00	6,964.13	6,601.00	6,358.07	279.62	33.43	65.62	1,018.42	343.48	8,955.45	8,867.81	87.64	102.182		
16,600.00	6,964.40	6,601.00	6,358.07	282.46	33.43	65.62	1,018.42	343.48	9,054.26	8,966.58	87.68	103.268		
16,700.00	6,964.67	6,601.00	6,358.07	285.29	33.43	65.62	1,018.42	343.48	9,153.10	9,065.38	87.71	104.352		
16,800.00	6,964.93	6,601.00	6,358.07	288.13	33.43	65.62	1,018.42	343.48	9,251.96	9,164.21	87.75	105.434		
16,900.00	6,965.20	6,601.00	6,358.07	290.97	33.43	65.62	1,018.42	343.48	9,350.85	9,263.06	87.79	106.514		
17,000.00	6,965.46	6,601.00	6,358.07	293.81	33.43	65.62	1,018.42	343.48	9,449.75	9,361.93	87.83	107.593		
17,100.00	6,965.73	6,601.00	6,358.07	296.65	33.43	65.62	1,018.42	343.48	9,548.69	9,460.82	87.87	108.669		
17,200.00	6,966.00	6,601.00	6,358.07	299.49	33.43	65.62	1,018.42	343.48	9,647.64	9,559.73	87.91	109.744		
17,300.00	6,966.26	6,601.00	6,358.07	302.32	33.43	65.62	1,018.42	343.48	9,746.62	9,658.66	87.95	110.816		
17,400.00	6,966.53	6,601.00	6,358.07	305.16	33.43	65.62	1,018.42	343.48	9,845.61	9,757.62	88.00	111.886		
17,500.00	6,966.80	6,601.00	6,358.07	308.00	33.43	65.62	1,018.42	343.48	9,944.63	9,856.59	88.04	112.954		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 437-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	140.64	-617.49	506.43	798.68					
100.00	100.00	97.08	97.08	3.28	3.29	140.63	-617.04	506.21	798.15	791.58	6.57	121.445		
200.00	200.00	206.13	206.11	3.34	3.31	140.60	-615.43	505.45	796.57	789.92	6.65	119.784		
300.00	299.98	315.06	315.00	3.44	3.35	40.69	-612.67	504.15	792.53	785.74	6.80	116.556		
400.00	399.84	423.65	423.50	3.60	3.41	40.99	-608.78	502.31	784.73	777.71	7.02	111.807		
500.00	499.45	546.54	546.15	3.80	3.59	41.49	-601.61	499.75	772.35	764.93	7.42	104.121		
600.00	598.70	663.00	662.03	4.05	3.84	42.02	-590.25	497.88	754.67	746.75	7.92	95.292		
700.00	697.47	783.54	781.42	4.33	4.15	42.60	-573.72	496.82	731.87	723.34	8.53	85.827		
803.50	799.05	911.93	907.63	4.67	4.53	43.30	-550.28	495.51	701.95	692.70	9.25	75.850		
900.00	893.41	1,029.97	1,022.53	5.02	4.93	43.51	-523.39	493.02	668.84	658.85	9.98	66.991		
1,000.00	991.20	1,129.34	1,118.75	5.41	5.30	43.71	-498.83	489.40	632.22	621.57	10.65	59.352		
1,100.00	1,088.99	1,225.99	1,212.39	5.81	5.68	44.01	-475.29	485.15	595.48	584.12	11.35	52.455		
1,200.00	1,186.78	1,336.77	1,319.26	6.23	6.15	44.49	-446.93	478.34	556.81	544.69	12.13	45.914		
1,300.00	1,284.57	1,434.97	1,413.12	6.67	6.59	44.80	-418.82	471.81	515.54	502.67	12.88	40.037		
1,400.00	1,382.36	1,530.98	1,504.46	7.12	7.03	44.90	-389.71	466.64	473.71	460.07	13.64	34.738		
1,500.00	1,480.15	1,614.01	1,583.34	7.57	7.43	44.96	-364.17	462.27	431.65	417.25	14.40	29.981		
1,600.00	1,577.94	1,696.11	1,661.88	8.03	7.82	44.97	-340.41	459.55	392.00	376.82	15.19	25.812		
1,700.00	1,675.73	1,784.47	1,746.86	8.50	8.24	45.12	-316.36	456.81	353.83	337.83	16.00	22.117		
1,800.00	1,773.52	1,875.82	1,835.14	8.98	8.67	45.69	-293.22	452.93	316.49	299.66	16.82	18.812		
1,900.00	1,871.31	1,971.47	1,927.53	9.45	9.13	46.52	-268.87	448.40	278.82	261.18	17.65	15.801		
2,000.00	1,969.10	2,066.95	2,019.32	9.94	9.60	47.37	-242.97	443.85	239.87	221.40	18.47	12.990		
2,100.00	2,066.88	2,158.53	2,107.14	10.42	10.05	48.37	-217.37	439.52	200.34	181.02	19.32	10.371		
2,200.00	2,164.67	2,251.21	2,196.03	10.91	10.52	49.51	-191.36	436.21	161.39	141.22	20.17	8.003		
2,300.00	2,262.46	2,344.20	2,284.60	11.40	10.99	50.65	-163.19	433.27	120.86	99.86	21.00	5.755		
2,400.00	2,360.25	2,434.77	2,371.18	11.89	11.46	53.70	-136.84	429.79	81.13	59.20	21.93	3.700		
2,500.00	2,458.04	2,526.22	2,458.69	12.39	11.92	61.84	-110.43	426.84	42.37	19.44	22.93	1.848		
2,600.00	2,555.83	2,618.22	2,547.15	12.88	12.39	124.82	-85.39	423.60	12.86	-12.11	24.97	0.515 Level 1		
2,605.73	2,561.43	2,623.54	2,552.27	12.91	12.42	133.88	-83.95	423.45	12.68	-12.34	25.02	0.507 Level 1, CC, ES, SF		
2,700.00	2,653.62	2,710.83	2,636.09	13.38	12.86	-155.52	-59.62	421.90	37.61	12.99	24.62	1.528		
2,800.00	2,751.41	2,802.32	2,723.62	13.88	13.33	-144.46	-33.07	420.07	75.37	50.00	25.37	2.971		
2,900.00	2,849.20	2,893.45	2,810.33	14.38	13.81	-139.94	-5.06	418.86	114.77	88.55	26.21	4.378		
3,000.00	2,946.99	2,985.08	2,897.45	14.88	14.29	-137.75	23.29	417.37	154.80	127.70	27.10	5.712		
3,100.00	3,044.78	3,079.84	2,987.88	15.38	14.79	-136.74	51.51	415.47	194.29	166.19	28.10	6.914		
3,200.00	3,142.57	3,175.10	3,079.59	15.89	15.27	-136.52	77.23	413.57	231.66	202.58	29.08	7.967		
3,300.00	3,240.36	3,263.14	3,164.07	16.39	15.73	-136.24	101.93	411.80	269.85	240.00	29.85	9.040		
3,400.00	3,338.15	3,355.37	3,252.19	16.89	16.21	-135.91	129.05	409.61	309.30	278.55	30.75	10.058		
3,500.00	3,435.93	3,454.57	3,347.77	17.40	16.72	-135.98	155.48	407.05	346.71	314.91	31.80	10.902		
3,600.00	3,533.72	3,541.06	3,431.28	17.90	17.16	-136.28	177.70	403.46	384.35	351.79	32.56	11.804		
3,700.00	3,631.51	3,625.51	3,512.35	18.41	17.60	-136.53	200.85	398.73	424.10	390.81	33.29	12.740		
3,800.00	3,729.30	3,723.16	3,606.10	18.92	18.11	-136.76	227.63	393.34	463.84	429.53	34.30	13.522		
3,900.00	3,827.09	3,818.89	3,698.33	19.42	18.60	-136.94	252.90	388.96	502.25	466.99	35.27	14.242		
4,000.00	3,924.88	3,901.13	3,777.29	19.93	19.04	-136.95	275.67	385.70	541.31	505.34	35.98	15.046		
4,100.00	4,022.67	3,972.05	3,844.56	20.44	19.42	-136.76	297.96	383.05	583.06	546.59	36.47	15.986		
4,200.00	4,120.46	4,045.64	3,913.44	20.95	19.84	-136.42	323.68	380.10	627.62	590.59	37.03	16.948		
4,300.00	4,218.25	4,131.16	3,992.90	21.46	20.33	-136.03	355.04	376.06	673.87	636.01	37.86	17.798		
4,400.00	4,316.04	4,225.32	4,080.73	21.97	20.86	-135.76	388.59	370.98	719.75	680.88	38.87	18.515		
4,500.00	4,413.83	4,368.02	4,215.90	22.48	21.65	-135.71	433.56	363.43	762.68	721.95	40.73	18.726		
4,600.00	4,511.62	4,476.32	4,320.41	22.99	22.21	-135.91	461.55	358.72	800.46	758.59	41.87	19.117		
4,700.00	4,609.41	4,566.05	4,407.12	23.50	22.67	-136.08	484.33	354.85	837.94	795.21	42.73	19.611		
4,800.00	4,707.20	4,657.28	4,495.16	24.01	23.14	-136.20	507.94	351.22	875.61	832.00	43.61	20.077		
4,900.00	4,804.98	4,753.01	4,587.28	24.52	23.63	-136.20	533.83	348.64	913.45	868.88	44.56	20.497		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,902.77	4,853.47	4,684.44	25.03	24.15	-136.30	559.18	345.43	950.15	904.58	45.58	20.848		
5,100.00	5,000.56	4,938.17	4,766.28	25.54	24.58	-136.38	580.80	342.47	987.27	940.90	46.37	21.291		
5,200.00	5,098.35	5,026.18	4,851.17	26.05	25.03	-136.45	603.78	339.12	1,025.03	977.81	47.21	21.711		
5,300.00	5,196.14	5,116.52	4,938.31	26.56	25.50	-136.54	627.30	335.34	1,062.93	1,014.84	48.09	22.103		
5,400.00	5,293.93	5,201.79	5,020.28	27.07	25.95	-136.56	650.60	332.27	1,101.48	1,052.58	48.90	22.525		
5,500.00	5,391.72	5,300.00	5,166.17	27.58	27.44	-136.65	687.98	328.39	1,137.39	1,086.15	51.25	22.195		
5,600.00	5,489.51	5,543.14	5,354.23	28.09	27.57	-137.19	718.54	325.71	1,164.85	1,112.54	52.31	22.267		
5,700.00	5,587.30	5,701.77	5,512.09	28.61	28.23	-137.90	733.76	324.29	1,188.42	1,134.87	53.55	22.192		
5,800.00	5,685.09	5,812.39	5,622.51	29.12	28.66	-138.43	740.39	324.72	1,208.49	1,154.02	54.47	22.186		
5,900.00	5,782.88	5,895.14	5,705.13	29.63	28.98	-138.87	744.97	324.18	1,229.02	1,173.76	55.26	22.241		
6,000.00	5,880.67	5,993.75	5,803.54	30.14	29.37	-139.37	751.18	322.66	1,250.73	1,194.61	56.12	22.285		
6,100.00	5,978.46	6,127.32	5,936.96	30.65	29.88	-140.07	757.20	321.61	1,270.77	1,213.64	57.14	22.241		
6,200.00	6,076.25	6,229.11	6,038.70	31.17	30.27	-140.59	760.35	321.60	1,289.34	1,231.33	58.00	22.230		
6,298.86	6,172.92	6,341.87	6,151.45	31.67	30.68	-141.23	761.90	321.08	1,306.82	1,247.93	58.89	22.191		
6,300.00	6,174.03	6,343.07	6,152.64	31.68	30.69	-141.34	761.90	321.07	1,307.02	1,248.12	58.90	22.191		
6,350.00	6,223.30	6,395.96	6,205.53	31.92	30.88	-148.21	762.11	320.79	1,314.25	1,254.92	59.32	22.154		
6,400.00	6,273.06	6,447.24	6,256.82	32.13	31.06	-170.02	762.21	320.55	1,318.80	1,259.07	59.72	22.082		
6,450.00	6,323.01	7,897.76	7,140.04	32.32	39.02	141.82	776.37	1,185.40	1,292.78	1,241.48	51.30	25.200		
6,500.00	6,372.84	7,894.41	7,140.02	32.48	38.97	112.74	776.31	1,182.05	1,262.88	1,210.05	52.83	23.903		
6,550.00	6,422.24	7,887.08	7,139.99	32.65	38.86	107.68	776.17	1,174.72	1,234.45	1,180.12	54.33	22.721		
6,600.00	6,470.92	7,875.87	7,139.93	32.83	38.69	106.61	775.97	1,163.51	1,207.71	1,151.93	55.78	21.652		
6,650.00	6,518.56	7,862.36	7,139.84	33.01	38.49	106.65	775.74	1,150.01	1,182.84	1,125.65	57.19	20.684		
6,700.00	6,564.89	7,848.12	7,139.77	33.21	38.30	107.07	775.52	1,135.76	1,160.03	1,101.46	58.57	19.806		
6,750.00	6,609.60	7,830.98	7,139.71	33.43	38.06	107.48	775.33	1,118.63	1,139.40	1,079.52	59.88	19.029		
6,800.00	6,652.43	7,811.04	7,139.69	33.66	37.79	107.75	775.18	1,098.69	1,121.06	1,059.96	61.10	18.349		
6,850.00	6,693.10	7,788.41	7,139.71	33.91	37.48	107.84	775.13	1,076.06	1,105.03	1,042.81	62.22	17.761		
6,900.00	6,731.38	7,754.08	7,139.78	34.20	37.04	107.40	775.20	1,041.73	1,091.27	1,028.14	63.14	17.284		
6,950.00	6,767.02	7,706.21	7,139.19	34.51	36.48	106.41	775.04	993.87	1,079.19	1,015.33	63.85	16.901		
7,000.00	6,799.81	7,665.44	7,137.19	34.85	36.03	105.64	775.14	953.15	1,068.77	1,004.13	64.64	16.533		
7,050.00	6,829.54	7,621.92	7,133.19	35.24	35.58	104.71	775.71	909.81	1,060.07	994.70	65.37	16.216		
7,100.00	6,856.03	7,520.88	7,113.51	35.66	34.76	101.57	776.23	810.82	1,051.51	985.72	65.79	15.982		
7,150.00	6,879.11	7,486.11	7,103.04	36.12	34.55	100.81	776.50	777.68	1,043.96	977.28	66.68	15.657		
7,200.00	6,898.65	7,452.58	7,091.13	36.62	34.37	99.97	777.26	746.35	1,038.15	970.62	67.53	15.373		
7,250.00	6,914.51	7,389.72	7,064.40	37.15	34.12	97.91	779.18	689.51	1,033.81	965.48	68.33	15.129		
7,300.00	6,926.62	7,290.42	7,011.45	37.73	33.82	94.30	779.52	605.65	1,029.35	960.26	69.09	14.898		
7,350.00	6,934.88	7,230.08	6,972.54	38.34	33.66	92.12	777.74	559.60	1,024.45	954.59	69.86	14.664		
7,400.00	6,939.26	7,198.50	6,950.60	38.97	33.57	91.09	776.74	536.91	1,020.80	950.16	70.64	14.450		
7,429.12	6,940.00	7,180.17	6,937.44	39.34	33.52	90.47	776.22	524.16	1,019.30	948.23	71.08	14.341		
7,500.00	6,940.19	7,132.81	6,902.04	40.31	33.39	88.47	775.05	492.73	1,017.60	945.47	72.12	14.109		
7,509.91	6,940.22	7,125.58	6,896.46	40.46	33.37	88.16	774.85	488.15	1,017.57	945.29	72.28	14.079		
7,600.00	6,940.46	7,068.12	6,850.44	41.80	33.21	85.56	773.03	453.81	1,019.94	946.35	73.59	13.859		
7,700.00	6,940.72	7,012.92	6,803.88	43.43	33.04	82.94	770.79	424.26	1,028.77	953.75	75.02	13.713		
7,800.00	6,940.99	6,967.39	6,764.17	45.19	32.90	80.72	768.55	402.12	1,044.67	968.32	76.35	13.682		
7,900.00	6,941.25	6,941.39	6,740.94	47.05	32.81	79.42	767.25	390.50	1,068.18	990.50	77.68	13.752		
8,000.00	6,941.52	6,919.46	6,721.00	49.02	32.74	78.32	766.30	381.43	1,099.38	1,020.54	78.84	13.945		
8,100.00	6,941.79	6,900.46	6,703.49	51.06	32.68	77.36	765.58	374.10	1,137.82	1,058.00	79.82	14.255		
8,200.00	6,942.05	6,872.00	6,676.86	53.18	32.58	75.92	764.71	364.09	1,183.06	1,102.55	80.51	14.694		
8,300.00	6,942.32	6,872.00	6,676.86	55.37	32.58	75.92	764.71	364.09	1,234.08	1,152.83	81.25	15.188		
8,400.00	6,942.58	6,872.00	6,676.86	57.62	32.58	75.92	764.71	364.09	1,290.84	1,209.04	81.81	15.779		
8,500.00	6,942.85	6,843.98	6,650.27	59.92	32.49	74.50	764.10	355.31	1,351.87	1,269.83	82.04	16.478		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	6,943.12	6,833.20	6,639.94	62.26	32.45	73.95	763.93	352.20	1,417.33	1,335.06	82.27	17.228		
8,700.00	6,943.38	6,823.41	6,630.53	64.65	32.41	73.45	763.82	349.52	1,486.44	1,404.03	82.41	18.037		
8,800.00	6,943.65	6,814.50	6,621.93	67.08	32.38	73.00	763.74	347.18	1,558.75	1,476.27	82.48	18.899		
8,900.00	6,943.91	6,806.34	6,614.04	69.53	32.36	72.59	763.70	345.14	1,633.84	1,551.35	82.50	19.805		
9,000.00	6,944.18	6,777.00	6,585.45	72.02	32.25	71.12	763.73	338.51	1,711.83	1,629.46	82.37	20.783		
9,100.00	6,944.45	6,777.00	6,585.45	74.54	32.25	71.12	763.73	338.51	1,791.26	1,708.91	82.35	21.751		
9,200.00	6,944.71	6,777.00	6,585.45	77.07	32.25	71.12	763.73	338.51	1,872.66	1,790.36	82.30	22.753		
9,300.00	6,944.98	6,777.00	6,585.45	79.63	32.25	71.12	763.73	338.51	1,955.79	1,873.56	82.23	23.784		
9,400.00	6,945.24	6,777.00	6,585.45	82.21	32.25	71.12	763.73	338.51	2,040.43	1,958.29	82.14	24.840		
9,500.00	6,945.51	6,777.00	6,585.45	84.81	32.25	71.12	763.73	338.51	2,126.41	2,044.36	82.04	25.918		
9,600.00	6,945.78	6,777.00	6,585.45	87.43	32.25	71.12	763.73	338.51	2,213.56	2,131.63	81.94	27.016		
9,700.00	6,946.04	6,777.00	6,585.45	90.05	32.25	71.12	763.73	338.51	2,301.76	2,219.94	81.82	28.131		
9,800.00	6,946.31	6,777.00	6,585.45	92.70	32.25	71.12	763.73	338.51	2,390.89	2,309.18	81.71	29.262		
9,900.00	6,946.57	6,777.00	6,585.45	95.35	32.25	71.12	763.73	338.51	2,480.85	2,399.26	81.59	30.406		
10,000.00	6,946.84	6,777.00	6,585.45	98.02	32.25	71.12	763.73	338.51	2,571.55	2,490.07	81.48	31.562		
10,100.00	6,947.11	6,741.61	6,550.65	100.70	32.13	69.37	763.85	332.08	2,661.89	2,580.58	81.31	32.738		
10,200.00	6,947.37	6,738.15	6,547.24	103.38	32.12	69.20	763.86	331.55	2,753.65	2,672.46	81.20	33.912		
10,300.00	6,947.64	6,734.90	6,544.02	106.08	32.10	69.04	763.86	331.06	2,845.95	2,764.86	81.09	35.095		
10,400.00	6,947.90	6,731.84	6,540.99	108.78	32.09	68.89	763.86	330.61	2,938.74	2,857.75	80.99	36.285		
10,500.00	6,948.17	6,728.95	6,538.14	111.49	32.08	68.75	763.85	330.21	3,031.97	2,951.08	80.89	37.482		
10,600.00	6,948.44	6,726.23	6,535.44	114.21	32.07	68.61	763.85	329.83	3,125.60	3,044.81	80.80	38.685		
10,700.00	6,948.70	6,723.65	6,532.89	116.94	32.06	68.49	763.85	329.49	3,219.61	3,138.91	80.71	39.893		
10,800.00	6,948.97	6,721.21	6,530.47	119.67	32.06	68.37	763.84	329.17	3,313.96	3,233.34	80.62	41.105		
10,900.00	6,949.24	6,682.00	6,491.46	122.41	31.92	66.47	763.65	325.21	3,409.71	3,329.23	80.48	42.369		
11,000.00	6,949.50	6,682.00	6,491.46	125.15	31.92	66.47	763.65	325.21	3,504.53	3,424.13	80.41	43.586		
11,100.00	6,949.77	6,682.00	6,491.46	127.90	31.92	66.47	763.65	325.21	3,599.64	3,519.30	80.34	44.806		
11,200.00	6,950.03	6,682.00	6,491.46	130.65	31.92	66.47	763.65	325.21	3,695.00	3,614.73	80.28	46.029		
11,300.00	6,950.30	6,682.00	6,491.46	133.41	31.92	66.47	763.65	325.21	3,790.60	3,710.39	80.22	47.255		
11,400.00	6,950.57	6,682.00	6,491.46	136.17	31.92	66.47	763.65	325.21	3,886.43	3,806.27	80.16	48.484		
11,500.00	6,950.83	6,682.00	6,491.46	138.94	31.92	66.47	763.65	325.21	3,982.46	3,902.35	80.11	49.715		
11,600.00	6,951.10	6,682.00	6,491.46	141.71	31.92	66.47	763.65	325.21	4,078.67	3,998.62	80.06	50.948		
11,700.00	6,951.36	6,682.00	6,491.46	144.48	31.92	66.47	763.65	325.21	4,175.07	4,095.06	80.01	52.183		
11,800.00	6,951.63	6,682.00	6,491.46	147.26	31.92	66.47	763.65	325.21	4,271.63	4,191.67	79.97	53.419		
11,900.00	6,951.90	6,682.00	6,491.46	150.03	31.92	66.47	763.65	325.21	4,368.35	4,288.43	79.92	54.656		
12,000.00	6,952.16	6,682.00	6,491.46	152.82	31.92	66.47	763.65	325.21	4,465.21	4,385.33	79.89	55.894		
12,100.00	6,952.43	6,682.00	6,491.46	155.60	31.92	66.47	763.65	325.21	4,562.21	4,482.36	79.85	57.133		
12,200.00	6,952.69	6,682.00	6,491.46	158.39	31.92	66.47	763.65	325.21	4,659.34	4,579.51	79.82	58.373		
12,300.00	6,952.96	6,682.00	6,491.46	161.18	31.92	66.47	763.65	325.21	4,756.58	4,676.79	79.79	59.612		
12,400.00	6,953.23	6,682.00	6,491.46	163.97	31.92	66.47	763.65	325.21	4,853.93	4,774.17	79.77	60.852		
12,500.00	6,953.49	6,682.00	6,491.46	166.77	31.92	66.47	763.65	325.21	4,951.40	4,871.65	79.74	62.093		
12,600.00	6,953.76	6,682.00	6,491.46	169.56	31.92	66.47	763.65	325.21	5,048.96	4,969.24	79.72	63.333		
12,700.00	6,954.02	6,682.00	6,491.46	172.36	31.92	66.47	763.65	325.21	5,146.61	5,066.91	79.70	64.573		
12,800.00	6,954.29	6,682.00	6,491.46	175.16	31.92	66.47	763.65	325.21	5,244.35	5,164.67	79.69	65.812		
12,900.00	6,954.56	6,682.00	6,491.46	177.97	31.92	66.47	763.65	325.21	5,342.18	5,262.51	79.67	67.051		
13,000.00	6,954.82	6,682.00	6,491.46	180.77	31.92	66.47	763.65	325.21	5,440.08	5,360.42	79.66	68.290		
13,100.00	6,955.09	6,682.00	6,491.46	183.58	31.92	66.47	763.65	325.21	5,538.06	5,458.41	79.65	69.528		
13,200.00	6,955.35	6,682.00	6,491.46	186.38	31.92	66.47	763.65	325.21	5,636.11	5,556.47	79.65	70.765		
13,300.00	6,955.62	6,682.00	6,491.46	189.19	31.92	66.47	763.65	325.21	5,734.23	5,654.59	79.64	72.001		
13,400.00	6,955.89	6,682.00	6,491.46	192.00	31.92	66.47	763.65	325.21	5,832.41	5,752.78	79.64	73.236		
13,500.00	6,956.15	6,682.00	6,491.46	194.82	31.92	66.47	763.65	325.21	5,930.66	5,851.02	79.64	74.471		
13,600.00	6,956.42	6,682.00	6,491.46	197.63	31.92	66.47	763.65	325.21	6,028.96	5,949.32	79.64	75.704		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 25N-7C-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,682.00	6,491.46	200.44	31.92	66.47	763.65	325.21	6,127.31	6,047.67	79.64	76.936		
13,800.00	6,956.95	6,682.00	6,491.46	203.26	31.92	66.47	763.65	325.21	6,225.72	6,146.07	79.65	78.166		
13,900.00	6,957.22	6,682.00	6,491.46	206.08	31.92	66.47	763.65	325.21	6,324.18	6,244.52	79.65	79.395		
14,000.00	6,957.48	6,682.00	6,491.46	208.89	31.92	66.47	763.65	325.21	6,422.68	6,343.02	79.66	80.623		
14,100.00	6,957.75	6,682.00	6,491.46	211.71	31.92	66.47	763.65	325.21	6,521.24	6,441.56	79.67	81.849		
14,200.00	6,958.02	6,682.00	6,491.46	214.53	31.92	66.47	763.65	325.21	6,619.83	6,540.14	79.69	83.074		
14,300.00	6,958.28	6,682.00	6,491.46	217.36	31.92	66.47	763.65	325.21	6,718.47	6,638.77	79.70	84.296		
14,400.00	6,958.55	6,682.00	6,491.46	220.18	31.92	66.47	763.65	325.21	6,817.14	6,737.43	79.72	85.518		
14,500.00	6,958.81	6,682.00	6,491.46	223.00	31.92	66.47	763.65	325.21	6,915.86	6,836.12	79.73	86.737		
14,600.00	6,959.08	6,682.00	6,491.46	225.83	31.92	66.47	763.65	325.21	7,014.61	6,934.85	79.75	87.955		
14,700.00	6,959.35	6,682.00	6,491.46	228.65	31.92	66.47	763.65	325.21	7,113.39	7,033.62	79.77	89.170		
14,800.00	6,959.61	6,682.00	6,491.46	231.48	31.92	66.47	763.65	325.21	7,212.21	7,132.41	79.79	90.384		
14,900.00	6,959.88	6,682.00	6,491.46	234.30	31.92	66.47	763.65	325.21	7,311.06	7,231.24	79.82	91.596		
15,000.00	6,960.14	6,682.00	6,491.46	237.13	31.92	66.47	763.65	325.21	7,409.94	7,330.10	79.84	92.806		
15,100.00	6,960.41	6,682.00	6,491.46	239.96	31.92	66.47	763.65	325.21	7,508.85	7,428.98	79.87	94.014		
15,200.00	6,960.68	6,682.00	6,491.46	242.79	31.92	66.47	763.65	325.21	7,607.79	7,527.90	79.90	95.219		
15,300.00	6,960.94	6,682.00	6,491.46	245.62	31.92	66.47	763.65	325.21	7,706.76	7,626.83	79.93	96.422		
15,400.00	6,961.21	6,682.00	6,491.46	248.45	31.92	66.47	763.65	325.21	7,805.75	7,725.80	79.96	97.624		
15,500.00	6,961.47	6,682.00	6,491.46	251.28	31.92	66.47	763.65	325.21	7,904.77	7,824.78	79.99	98.822		
15,600.00	6,961.74	6,682.00	6,491.46	254.11	31.92	66.47	763.65	325.21	8,003.82	7,923.79	80.02	100.019		
15,700.00	6,962.01	6,682.00	6,491.46	256.94	31.92	66.47	763.65	325.21	8,102.88	8,022.83	80.06	101.213		
15,800.00	6,962.27	6,682.00	6,491.46	259.77	31.92	66.47	763.65	325.21	8,201.97	8,121.88	80.09	102.405		
15,900.00	6,962.54	6,682.00	6,491.46	262.61	31.92	66.47	763.65	325.21	8,301.08	8,220.95	80.13	103.595		
16,000.00	6,962.80	6,682.00	6,491.46	265.44	31.92	66.47	763.65	325.21	8,400.22	8,320.05	80.17	104.782		
16,100.00	6,963.07	6,682.00	6,491.46	268.28	31.92	66.47	763.65	325.21	8,499.37	8,419.16	80.21	105.966		
16,200.00	6,963.34	6,682.00	6,491.46	271.11	31.92	66.47	763.65	325.21	8,598.54	8,518.29	80.25	107.148		
16,300.00	6,963.60	6,682.00	6,491.46	273.95	31.92	66.47	763.65	325.21	8,697.73	8,617.44	80.29	108.327		
16,400.00	6,963.87	6,682.00	6,491.46	276.78	31.92	66.47	763.65	325.21	8,796.94	8,716.61	80.33	109.504		
16,500.00	6,964.13	6,682.00	6,491.46	279.62	31.92	66.47	763.65	325.21	8,896.17	8,815.79	80.38	110.678		
16,600.00	6,964.40	6,682.00	6,491.46	282.46	31.92	66.47	763.65	325.21	8,995.41	8,914.99	80.42	111.850		
16,700.00	6,964.67	6,682.00	6,491.46	285.29	31.92	66.47	763.65	325.21	9,094.67	9,014.20	80.47	113.019		
16,800.00	6,964.93	6,682.00	6,491.46	288.13	31.92	66.47	763.65	325.21	9,193.95	9,113.43	80.52	114.185		
16,900.00	6,965.20	6,682.00	6,491.46	290.97	31.92	66.47	763.65	325.21	9,293.24	9,212.68	80.57	115.348		
17,000.00	6,965.46	6,682.00	6,491.46	293.81	31.92	66.47	763.65	325.21	9,392.55	9,311.93	80.62	116.509		
17,100.00	6,965.73	6,682.00	6,491.46	296.65	31.92	66.47	763.65	325.21	9,491.87	9,411.20	80.67	117.667		
17,200.00	6,966.00	6,682.00	6,491.46	299.49	31.92	66.47	763.65	325.21	9,591.21	9,510.49	80.72	118.822		
17,300.00	6,966.26	6,682.00	6,491.46	302.32	31.92	66.47	763.65	325.21	9,690.56	9,609.79	80.77	119.974		
17,400.00	6,966.53	6,682.00	6,491.46	305.16	31.92	66.47	763.65	325.21	9,789.92	9,709.09	80.83	121.124		
17,500.00	6,966.80	6,682.00	6,491.46	308.00	31.92	66.47	763.65	325.21	9,889.30	9,808.41	80.88	122.270		
17,600.00	6,967.06	6,682.00	6,491.46	310.85	31.92	66.47	763.65	325.21	9,988.68	9,907.75	80.94	123.414		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	146.30	-757.75	505.32	910.85					
100.00	100.00	89.37	89.37	3.28	3.29	146.32	-757.88	505.10	910.77	904.20	6.57	138.613		
200.00	200.00	190.13	190.12	3.34	3.31	146.37	-758.30	504.34	910.70	904.05	6.65	136.934		
300.00	299.98	281.69	281.68	3.44	3.39	46.52	-758.80	503.46	909.46	902.62	6.84	133.031		
400.00	399.84	353.00	352.96	3.60	3.49	46.78	-760.86	503.54	908.31	901.22	7.09	128.037		
500.00	499.45	430.42	430.23	3.80	3.62	47.24	-765.49	503.90	907.62	900.18	7.44	122.002		
600.00	598.70	505.30	504.82	4.05	3.77	47.88	-772.12	504.21	907.13	899.28	7.85	115.485		
630.98	629.36	528.17	527.56	4.13	3.82	48.10	-774.51	504.51	907.10	899.10	8.00	113.429 CC		
700.00	697.47	583.50	582.50	4.33	3.96	48.68	-780.93	505.44	907.13	898.79	8.34	108.809		
770.67	766.90	640.53	639.04	4.56	4.10	49.37	-788.36	506.44	907.11	898.39	8.72	104.078		
803.50	799.05	665.37	663.62	4.67	4.17	49.70	-791.92	506.86	907.14	898.24	8.90	101.962 ES		
900.00	893.41	737.56	734.85	5.02	4.39	50.74	-803.64	507.94	908.70	899.24	9.46	96.068		
1,000.00	991.20	809.35	805.25	5.41	4.63	51.86	-817.61	508.51	913.43	903.36	10.07	90.683		
1,100.00	1,088.99	887.63	881.50	5.81	4.91	53.17	-835.33	508.31	921.21	910.48	10.73	85.853		
1,200.00	1,186.78	963.55	954.95	6.23	5.20	54.54	-854.47	507.10	931.64	920.24	11.40	81.694		
1,300.00	1,284.57	1,041.92	1,030.12	6.67	5.53	56.05	-876.50	504.57	945.02	932.91	12.11	78.058		
1,400.00	1,382.36	1,128.39	1,112.77	7.12	5.90	57.69	-901.77	501.80	960.44	947.58	12.86	74.705		
1,500.00	1,480.15	1,218.11	1,198.31	7.57	6.32	59.37	-928.63	498.64	977.44	963.80	13.64	71.669		
1,600.00	1,577.94	1,311.42	1,287.31	8.03	6.76	61.05	-956.51	495.75	995.43	980.97	14.45	68.868		
1,700.00	1,675.73	1,395.30	1,367.13	8.50	7.17	62.52	-982.15	492.99	1,014.91	999.68	15.24	66.608		
1,800.00	1,773.52	1,489.93	1,458.86	8.98	7.65	64.24	-1,011.78	488.04	1,035.61	1,019.52	16.09	64.361		
1,900.00	1,871.31	1,584.01	1,545.89	9.45	8.14	65.97	-1,041.45	481.36	1,057.14	1,040.19	16.96	62.349		
2,000.00	1,969.10	1,686.05	1,642.66	9.94	8.67	67.77	-1,073.04	474.27	1,079.09	1,061.21	17.88	60.352		
2,100.00	2,066.88	1,776.13	1,728.26	10.42	9.14	69.26	-1,100.50	468.53	1,101.52	1,082.78	18.74	58.789		
2,200.00	2,164.67	1,904.34	1,850.77	10.91	9.82	71.23	-1,137.59	461.54	1,123.27	1,103.42	19.85	56.592		
2,300.00	2,262.46	2,009.10	1,951.48	11.40	10.36	72.73	-1,165.99	456.36	1,144.02	1,123.21	20.81	54.969		
2,400.00	2,360.25	2,117.71	2,056.25	11.89	10.92	74.19	-1,194.24	451.80	1,164.37	1,142.57	21.81	53.399		
2,500.00	2,458.04	2,216.23	2,151.51	12.39	11.43	75.49	-1,218.95	447.20	1,184.37	1,161.63	22.74	52.091		
2,600.00	2,555.83	2,295.70	2,228.29	12.88	11.85	76.49	-1,239.18	443.78	1,205.32	1,181.77	23.54	51.193		
2,700.00	2,653.62	2,393.40	2,322.35	13.38	12.36	77.65	-1,265.34	440.19	1,228.05	1,203.57	24.48	50.164		
2,800.00	2,751.41	2,495.89	2,421.45	13.88	12.90	78.82	-1,291.26	436.80	1,249.71	1,224.26	25.45	49.099		
2,900.00	2,849.20	2,580.96	2,503.60	14.38	13.34	79.73	-1,313.22	434.40	1,272.34	1,246.03	26.30	48.371		
3,000.00	2,946.99	2,660.15	2,579.90	14.88	13.76	80.52	-1,334.36	432.99	1,296.16	1,269.05	27.11	47.809		
3,100.00	3,044.78	2,743.11	2,659.49	15.38	14.21	81.34	-1,357.70	430.92	1,321.72	1,293.78	27.95	47.293		
3,200.00	3,142.57	2,845.02	2,757.43	15.89	14.76	82.34	-1,385.69	427.74	1,347.03	1,318.10	28.94	46.550		
3,300.00	3,240.36	2,919.48	2,828.79	16.39	15.17	83.08	-1,406.71	424.58	1,373.58	1,343.87	29.71	46.240		
3,400.00	3,338.15	3,004.61	2,910.12	16.89	15.64	83.91	-1,431.53	420.73	1,401.41	1,370.84	30.56	45.854		
3,500.00	3,435.93	3,128.01	3,028.48	17.40	16.31	85.05	-1,466.02	415.51	1,428.21	1,396.46	31.75	44.989		
3,600.00	3,533.72	3,207.90	3,105.11	17.90	16.75	85.77	-1,488.38	412.09	1,455.50	1,422.94	32.56	44.701		
3,700.00	3,631.51	3,317.27	3,209.91	18.41	17.35	86.71	-1,519.28	407.29	1,483.44	1,449.81	33.63	44.112		
3,800.00	3,729.30	3,423.22	3,312.06	18.92	17.92	87.56	-1,547.17	403.78	1,509.44	1,474.77	34.67	43.543		
3,900.00	3,827.09	3,511.69	3,397.07	19.42	18.40	88.26	-1,571.43	400.28	1,536.92	1,501.36	35.56	43.225		
4,000.00	3,924.88	3,620.92	3,502.39	19.93	18.99	89.07	-1,600.19	396.92	1,563.40	1,526.77	36.62	42.689		
4,100.00	4,022.67	3,704.07	3,582.49	20.44	19.44	89.63	-1,622.45	395.15	1,590.37	1,552.90	37.47	42.442		
4,200.00	4,120.46	3,780.96	3,656.36	20.95	19.86	90.14	-1,643.69	393.39	1,618.39	1,580.13	38.27	42.294		
4,300.00	4,218.25	3,854.19	3,726.45	21.46	20.26	90.60	-1,664.85	391.70	1,647.79	1,608.77	39.02	42.225		
4,400.00	4,316.04	3,939.52	3,807.88	21.97	20.74	91.11	-1,690.27	389.88	1,678.16	1,638.27	39.89	42.065		
4,500.00	4,413.83	4,031.87	3,895.92	22.48	21.26	91.63	-1,718.09	388.05	1,708.97	1,668.13	40.83	41.853		
4,600.00	4,511.62	4,114.31	3,974.42	22.99	21.73	92.08	-1,743.25	386.49	1,740.25	1,698.57	41.68	41.755		
4,700.00	4,609.41	4,202.17	4,057.92	23.50	22.23	92.54	-1,770.51	384.82	1,772.15	1,729.57	42.58	41.622		
4,800.00	4,707.20	4,314.24	4,164.55	24.01	22.87	93.12	-1,804.93	382.36	1,803.95	1,760.24	43.71	41.268		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 28N-18B-M - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
4,900.00	4,804.98	4,427.89	4,273.08	24.52	23.51	93.69	-1,838.55	380.08	1,834.74	1,789.89	44.86	40.901				
5,000.00	4,902.77	4,502.98	4,344.84	25.03	23.93	94.09	-1,860.50	377.32	1,865.75	1,820.12	45.63	40.884				
5,100.00	5,000.56	4,607.46	4,444.73	25.54	24.52	94.69	-1,890.65	371.89	1,897.02	1,850.33	46.69	40.629				
5,200.00	5,098.35	4,727.37	4,559.71	26.05	25.18	95.36	-1,924.04	365.44	1,927.59	1,879.70	47.89	40.253				
5,300.00	5,196.14	4,854.71	4,682.58	26.56	25.87	96.06	-1,956.95	359.42	1,956.03	1,906.90	49.13	39.810				
5,400.00	5,293.93	4,937.19	4,762.12	27.07	26.32	96.51	-1,978.24	354.72	1,985.05	1,935.07	49.98	39.718				
5,500.00	5,391.72	5,045.66	4,866.92	27.58	26.90	97.12	-2,005.42	348.13	2,013.67	1,962.61	51.05	39.442				
5,600.00	5,489.51	5,136.01	4,954.17	28.09	27.38	97.59	-2,028.36	343.17	2,042.56	1,990.59	51.97	39.304				
5,700.00	5,587.30	5,237.80	5,052.53	28.61	27.93	98.11	-2,053.98	337.62	2,071.39	2,018.40	52.99	39.093				
5,800.00	5,685.09	5,494.83	5,302.57	29.12	29.26	99.26	-2,112.63	329.66	2,098.88	2,043.69	55.19	38.029				
5,900.00	5,782.88	5,688.37	5,493.52	29.63	30.18	100.09	-2,144.02	328.39	2,117.99	2,061.29	56.71	37.349				
6,000.00	5,880.67	5,891.21	5,695.06	30.14	31.06	101.02	-2,166.63	327.64	2,132.40	2,074.29	58.12	36.692				
6,100.00	5,978.46	6,021.26	5,824.73	30.65	31.60	101.71	-2,176.13	325.20	2,144.24	2,085.09	59.15	36.251				
6,200.00	6,076.25	6,139.23	5,942.48	31.17	32.08	102.33	-2,183.16	323.24	2,154.93	2,094.80	60.13	35.837				
6,298.86	6,172.92	6,329.50	6,132.64	31.67	32.81	103.34	-2,189.06	321.92	2,162.40	2,101.14	61.26	35.300				
6,300.00	6,174.03	6,330.48	6,133.62	31.68	32.81	103.26	-2,189.07	321.92	2,162.47	2,101.20	61.27	35.295				
6,350.00	6,223.30	6,373.75	6,176.88	31.92	32.97	97.51	-2,189.64	321.61	2,164.88	2,103.19	61.69	35.091				
6,400.00	6,273.06	7,950.04	7,096.22	32.13	39.17	54.47	-2,194.75	1,171.81	2,149.25	2,086.73	62.52	34.377				
6,450.00	6,323.01	7,949.86	7,096.23	32.32	39.16	-37.98	-2,194.74	1,171.63	2,128.61	2,065.22	63.39	33.580				
6,500.00	6,372.84	7,946.17	7,096.28	32.48	39.10	-72.06	-2,194.66	1,167.94	2,108.92	2,044.74	64.18	32.860				
6,550.00	6,422.24	7,938.99	7,096.38	32.65	38.99	-81.40	-2,194.49	1,160.76	2,090.31	2,025.41	64.90	32.210				
6,600.00	6,470.92	7,928.36	7,096.54	32.83	38.82	-86.07	-2,194.25	1,150.14	2,072.87	2,007.33	65.54	31.626				
6,650.00	6,518.56	7,921.00	7,096.64	33.01	38.71	-89.20	-2,194.08	1,142.78	2,056.71	1,990.51	66.21	31.064				
6,700.00	6,564.89	7,921.00	7,096.64	33.21	38.71	-91.71	-2,194.08	1,142.78	2,042.00	1,975.05	66.95	30.499				
6,750.00	6,609.60	7,895.17	7,097.03	33.43	38.33	-93.04	-2,193.66	1,116.95	2,028.56	1,961.22	67.34	30.122				
6,800.00	6,652.43	7,881.44	7,097.24	33.66	38.14	-94.35	-2,193.57	1,103.23	2,016.71	1,948.85	67.86	29.717				
6,850.00	6,693.10	7,866.00	7,097.49	33.91	37.91	-95.34	-2,193.56	1,087.79	2,006.39	1,938.05	68.34	29.361				
6,900.00	6,731.38	7,848.93	7,097.76	34.20	37.67	-96.08	-2,193.69	1,070.72	1,997.60	1,928.83	68.77	29.048				
6,950.00	6,767.02	7,838.79	7,097.92	34.51	37.50	-96.77	-2,193.77	1,060.58	1,990.34	1,921.09	69.25	28.741				
7,000.00	6,799.81	7,780.30	7,098.76	34.85	36.76	-96.41	-2,194.91	1,002.11	1,984.41	1,915.20	69.21	28.671				
7,050.00	6,829.54	7,722.29	7,099.10	35.24	36.10	-96.05	-2,195.52	944.10	1,979.17	1,909.98	69.19	28.606				
7,100.00	6,856.03	7,674.45	7,099.12	35.66	35.98	-95.85	-2,195.80	896.27	1,974.69	1,905.35	69.34	28.478				
7,150.00	6,879.11	7,621.81	7,098.89	36.12	35.98	-95.58	-2,195.98	843.62	1,970.95	1,901.48	69.48	28.369				
7,200.00	6,898.65	7,559.64	7,096.98	36.62	35.98	-95.19	-2,195.96	781.49	1,967.69	1,898.07	69.62	28.265				
7,250.00	6,914.51	7,381.45	7,074.01	37.15	35.94	-93.39	-2,189.90	605.23	1,962.38	1,893.05	69.33	28.306				
7,300.00	6,926.62	7,350.25	7,063.55	37.73	35.91	-93.37	-2,188.71	575.88	1,957.42	1,887.52	69.90	28.002				
7,350.00	6,934.88	7,323.14	7,051.85	38.34	35.89	-93.30	-2,188.10	551.45	1,953.48	1,882.97	70.50	27.708				
7,400.00	6,939.26	7,279.24	7,028.02	38.97	35.82	-92.79	-2,187.69	514.63	1,950.46	1,879.31	71.15	27.415				
7,429.12	6,940.00	7,257.09	7,013.86	39.34	35.78	-92.49	-2,187.65	497.60	1,949.07	1,877.54	71.53	27.250				
7,500.00	6,940.19	7,201.46	6,973.01	40.31	35.67	-91.29	-2,187.92	459.94	1,946.72	1,874.21	72.51	26.848				
7,577.18	6,940.39	7,154.37	6,935.05	41.46	35.55	-90.17	-2,187.99	432.10	1,945.57	1,871.90	73.68	26.406				
7,600.00	6,940.46	7,147.10	6,929.00	41.80	35.53	-89.99	-2,188.03	428.07	1,945.69	1,871.67	74.02	26.286				
7,700.00	6,940.72	7,118.00	6,904.32	43.43	35.46	-89.26	-2,188.40	412.66	1,948.81	1,873.18	75.63	25.768				
7,800.00	6,940.99	7,074.00	6,865.74	45.19	35.34	-88.12	-2,189.53	391.55	1,956.52	1,879.22	77.31	25.308				
7,900.00	6,941.25	7,068.02	6,860.39	47.05	35.32	-87.97	-2,189.73	388.89	1,968.36	1,889.32	79.03	24.905				
8,000.00	6,941.52	7,033.24	6,828.79	49.02	35.22	-87.04	-2,190.77	374.40	1,984.66	1,903.89	80.77	24.572				
8,100.00	6,941.79	7,005.44	6,803.01	51.06	35.14	-86.28	-2,191.46	364.04	2,005.21	1,922.72	82.49	24.308				
8,200.00	6,942.05	6,979.00	6,778.09	53.18	35.06	-85.56	-2,191.99	355.21	2,030.05	1,945.88	84.17	24.118				
8,300.00	6,942.32	6,979.00	6,778.09	55.37	35.06	-85.56	-2,191.99	355.21	2,059.22	1,973.40	85.81	23.996				
8,400.00	6,942.58	6,950.29	6,750.66	57.62	34.97	-84.76	-2,192.46	346.79	2,092.37	2,005.01	87.36	23.951 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,500.00	6,942.85	6,937.57	6,738.38	59.92	34.93	-84.40	-2,192.63	343.45	2,129.62	2,040.78	88.84	23.972		
8,600.00	6,943.12	6,926.52	6,727.67	62.26	34.89	-84.09	-2,192.78	340.74	2,170.70	2,080.47	90.23	24.059		
8,700.00	6,943.38	6,916.85	6,718.26	64.65	34.86	-83.81	-2,192.89	338.52	2,215.43	2,123.91	91.52	24.207		
8,800.00	6,943.65	6,886.00	6,688.03	67.08	34.76	-82.94	-2,193.17	332.39	2,263.88	2,171.20	92.68	24.427		
8,900.00	6,943.91	6,886.00	6,688.03	69.53	34.76	-82.94	-2,193.17	332.39	2,315.15	2,221.35	93.80	24.682		
9,000.00	6,944.18	6,886.00	6,688.03	72.02	34.76	-82.94	-2,193.17	332.39	2,369.53	2,274.70	94.82	24.989		
9,100.00	6,944.45	6,886.00	6,688.03	74.54	34.76	-82.94	-2,193.17	332.39	2,426.81	2,331.06	95.76	25.344		
9,200.00	6,944.71	6,886.00	6,688.03	77.07	34.76	-82.94	-2,193.17	332.39	2,486.80	2,390.19	96.60	25.743		
9,300.00	6,944.98	6,867.30	6,669.59	79.63	34.70	-82.40	-2,193.24	329.26	2,549.19	2,451.85	97.34	26.189		
9,400.00	6,945.24	6,857.70	6,660.11	82.21	34.66	-82.13	-2,193.21	327.76	2,613.88	2,515.86	98.01	26.668		
9,500.00	6,945.51	6,849.05	6,651.55	84.81	34.63	-81.88	-2,193.15	326.48	2,680.68	2,582.06	98.62	27.181		
9,600.00	6,945.78	6,841.21	6,643.79	87.43	34.61	-81.66	-2,193.07	325.38	2,749.46	2,650.29	99.17	27.725		
9,700.00	6,946.04	6,834.07	6,636.72	90.05	34.58	-81.46	-2,192.98	324.42	2,820.07	2,720.41	99.66	28.297		
9,800.00	6,946.31	6,827.55	6,630.26	92.70	34.56	-81.27	-2,192.87	323.58	2,892.39	2,792.29	100.10	28.895		
9,900.00	6,946.57	6,821.57	6,624.32	95.35	34.54	-81.10	-2,192.75	322.84	2,966.29	2,865.79	100.49	29.517		
10,000.00	6,946.84	6,816.06	6,618.85	98.02	34.52	-80.94	-2,192.63	322.19	3,041.65	2,940.81	100.84	30.162		
10,100.00	6,947.11	6,792.00	6,594.94	100.70	34.44	-80.25	-2,191.95	319.64	3,118.52	3,017.41	101.10	30.845		
10,200.00	6,947.37	6,792.00	6,594.94	103.38	34.44	-80.25	-2,191.95	319.64	3,196.47	3,095.07	101.39	31.525		
10,300.00	6,947.64	6,792.00	6,594.94	106.08	34.44	-80.25	-2,191.95	319.64	3,275.61	3,173.96	101.65	32.224		
10,400.00	6,947.90	6,792.00	6,594.94	108.78	34.44	-80.25	-2,191.95	319.64	3,355.88	3,253.99	101.88	32.939		
10,500.00	6,948.17	6,792.00	6,594.94	111.49	34.44	-80.25	-2,191.95	319.64	3,437.17	3,335.08	102.09	33.669		
10,600.00	6,948.44	6,792.00	6,594.94	114.21	34.44	-80.25	-2,191.95	319.64	3,519.43	3,417.16	102.27	34.413		
10,700.00	6,948.70	6,792.00	6,594.94	116.94	34.44	-80.25	-2,191.95	319.64	3,602.59	3,500.16	102.43	35.171		
10,800.00	6,948.97	6,792.00	6,594.94	119.67	34.44	-80.25	-2,191.95	319.64	3,686.58	3,584.01	102.57	35.941		
10,900.00	6,949.24	6,792.00	6,594.94	122.41	34.44	-80.25	-2,191.95	319.64	3,771.36	3,668.66	102.70	36.722		
11,000.00	6,949.50	6,792.00	6,594.94	125.15	34.44	-80.25	-2,191.95	319.64	3,856.86	3,754.05	102.81	37.514		
11,100.00	6,949.77	6,792.00	6,594.94	127.90	34.44	-80.25	-2,191.95	319.64	3,943.05	3,840.14	102.91	38.316		
11,200.00	6,950.03	6,792.00	6,594.94	130.65	34.44	-80.25	-2,191.95	319.64	4,029.87	3,926.88	103.00	39.126		
11,300.00	6,950.30	6,792.00	6,594.94	133.41	34.44	-80.25	-2,191.95	319.64	4,117.30	4,014.22	103.07	39.946		
11,400.00	6,950.57	6,792.00	6,594.94	136.17	34.44	-80.25	-2,191.95	319.64	4,205.28	4,102.14	103.14	40.773		
11,500.00	6,950.83	6,792.00	6,594.94	138.94	34.44	-80.25	-2,191.95	319.64	4,293.79	4,190.59	103.20	41.607		
11,600.00	6,951.10	6,792.00	6,594.94	141.71	34.44	-80.25	-2,191.95	319.64	4,382.79	4,279.54	103.25	42.448		
11,700.00	6,951.36	6,792.00	6,594.94	144.48	34.44	-80.25	-2,191.95	319.64	4,472.26	4,368.97	103.30	43.296		
11,800.00	6,951.63	6,792.00	6,594.94	147.26	34.44	-80.25	-2,191.95	319.64	4,562.17	4,458.83	103.33	44.150		
11,900.00	6,951.90	6,792.00	6,594.94	150.03	34.44	-80.25	-2,191.95	319.64	4,652.49	4,549.12	103.37	45.009		
12,000.00	6,952.16	6,792.00	6,594.94	152.82	34.44	-80.25	-2,191.95	319.64	4,743.19	4,639.79	103.40	45.873		
12,100.00	6,952.43	6,792.00	6,594.94	155.60	34.44	-80.25	-2,191.95	319.64	4,834.27	4,730.84	103.42	46.742		
12,200.00	6,952.69	6,792.00	6,594.94	158.39	34.44	-80.25	-2,191.95	319.64	4,925.69	4,822.24	103.45	47.616		
12,300.00	6,952.96	6,792.00	6,594.94	161.18	34.44	-80.25	-2,191.95	319.64	5,017.43	4,913.97	103.47	48.494		
12,400.00	6,953.23	6,792.00	6,594.94	163.97	34.44	-80.25	-2,191.95	319.64	5,109.49	5,006.01	103.48	49.376		
12,500.00	6,953.49	6,792.00	6,594.94	166.77	34.44	-80.25	-2,191.95	319.64	5,201.84	5,098.34	103.50	50.261		
12,600.00	6,953.76	6,792.00	6,594.94	169.56	34.44	-80.25	-2,191.95	319.64	5,294.47	5,190.96	103.51	51.150		
12,700.00	6,954.02	6,792.00	6,594.94	172.36	34.44	-80.25	-2,191.95	319.64	5,387.36	5,283.84	103.52	52.043		
12,800.00	6,954.29	6,792.00	6,594.94	175.16	34.44	-80.25	-2,191.95	319.64	5,480.50	5,376.97	103.53	52.938		
12,900.00	6,954.56	6,792.00	6,594.94	177.97	34.44	-80.25	-2,191.95	319.64	5,573.88	5,470.34	103.53	53.836		
13,000.00	6,954.82	6,792.00	6,594.94	180.77	34.44	-80.25	-2,191.95	319.64	5,667.48	5,563.94	103.54	54.736		
13,100.00	6,955.09	6,792.00	6,594.94	183.58	34.44	-80.25	-2,191.95	319.64	5,761.30	5,657.76	103.55	55.639		
13,200.00	6,955.35	6,792.00	6,594.94	186.38	34.44	-80.25	-2,191.95	319.64	5,855.33	5,751.78	103.55	56.545		
13,300.00	6,955.62	6,792.00	6,594.94	189.19	34.44	-80.25	-2,191.95	319.64	5,949.55	5,845.99	103.56	57.452		
13,400.00	6,955.89	6,792.00	6,594.94	192.00	34.44	-80.25	-2,191.95	319.64	6,043.95	5,940.39	103.56	58.361		
13,500.00	6,956.15	6,792.00	6,594.94	194.82	34.44	-80.25	-2,191.95	319.64	6,138.54	6,034.97	103.56	59.272		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,600.00	6,956.42	6,792.00	6,594.94	197.63	34.44	-80.25	-2,191.95	319.64	6,233.29	6,129.72	103.57	60.185		
13,700.00	6,956.68	6,792.00	6,594.94	200.44	34.44	-80.25	-2,191.95	319.64	6,328.20	6,224.63	103.57	61.099		
13,800.00	6,956.95	6,792.00	6,594.94	203.26	34.44	-80.25	-2,191.95	319.64	6,423.27	6,319.69	103.58	62.015		
13,900.00	6,957.22	6,792.00	6,594.94	206.08	34.44	-80.25	-2,191.95	319.64	6,518.48	6,414.90	103.58	62.932		
14,000.00	6,957.48	6,792.00	6,594.94	208.89	34.44	-80.25	-2,191.95	319.64	6,613.84	6,510.26	103.58	63.850		
14,100.00	6,957.75	6,792.00	6,594.94	211.71	34.44	-80.25	-2,191.95	319.64	6,709.33	6,605.74	103.59	64.769		
14,200.00	6,958.02	6,792.00	6,594.94	214.53	34.44	-80.25	-2,191.95	319.64	6,804.95	6,701.36	103.59	65.690		
14,300.00	6,958.28	6,792.00	6,594.94	217.36	34.44	-80.25	-2,191.95	319.64	6,900.70	6,797.10	103.60	66.611		
14,400.00	6,958.55	6,792.00	6,594.94	220.18	34.44	-80.25	-2,191.95	319.64	6,996.56	6,892.96	103.60	67.533		
14,500.00	6,958.81	6,792.00	6,594.94	223.00	34.44	-80.25	-2,191.95	319.64	7,092.54	6,988.93	103.61	68.455		
14,600.00	6,959.08	6,792.00	6,594.94	225.83	34.44	-80.25	-2,191.95	319.64	7,188.63	7,085.01	103.61	69.379		
14,700.00	6,959.35	6,792.00	6,594.94	228.65	34.44	-80.25	-2,191.95	319.64	7,284.82	7,181.20	103.62	70.302		
14,800.00	6,959.61	6,792.00	6,594.94	231.48	34.44	-80.25	-2,191.95	319.64	7,381.11	7,277.49	103.63	71.227		
14,900.00	6,959.88	6,792.00	6,594.94	234.30	34.44	-80.25	-2,191.95	319.64	7,477.51	7,373.87	103.64	72.151		
15,000.00	6,960.14	6,792.00	6,594.94	237.13	34.44	-80.25	-2,191.95	319.64	7,573.99	7,470.35	103.65	73.076		
15,100.00	6,960.41	6,792.00	6,594.94	239.96	34.44	-80.25	-2,191.95	319.64	7,670.57	7,566.91	103.65	74.001		
15,200.00	6,960.68	6,792.00	6,594.94	242.79	34.44	-80.25	-2,191.95	319.64	7,767.23	7,663.57	103.66	74.927		
15,300.00	6,960.94	6,792.00	6,594.94	245.62	34.44	-80.25	-2,191.95	319.64	7,863.97	7,760.30	103.67	75.852		
15,400.00	6,961.21	6,792.00	6,594.94	248.45	34.44	-80.25	-2,191.95	319.64	7,960.80	7,857.11	103.69	76.778		
15,500.00	6,961.47	6,792.00	6,594.94	251.28	34.44	-80.25	-2,191.95	319.64	8,057.70	7,954.01	103.70	77.704		
15,600.00	6,961.74	6,792.00	6,594.94	254.11	34.44	-80.25	-2,191.95	319.64	8,154.68	8,050.97	103.71	78.629		
15,700.00	6,962.01	6,792.00	6,594.94	256.94	34.44	-80.25	-2,191.95	319.64	8,251.73	8,148.01	103.72	79.555		
15,800.00	6,962.27	6,792.00	6,594.94	259.77	34.44	-80.25	-2,191.95	319.64	8,348.85	8,245.12	103.74	80.480		
15,900.00	6,962.54	6,792.00	6,594.94	262.61	34.44	-80.25	-2,191.95	319.64	8,446.04	8,342.29	103.75	81.405		
16,000.00	6,962.80	6,792.00	6,594.94	265.44	34.44	-80.25	-2,191.95	319.64	8,543.29	8,439.52	103.77	82.330		
16,100.00	6,963.07	6,792.00	6,594.94	268.28	34.44	-80.25	-2,191.95	319.64	8,640.61	8,536.82	103.78	83.255		
16,200.00	6,963.34	6,792.00	6,594.94	271.11	34.44	-80.25	-2,191.95	319.64	8,737.98	8,634.18	103.80	84.179		
16,300.00	6,963.60	6,792.00	6,594.94	273.95	34.44	-80.25	-2,191.95	319.64	8,835.42	8,731.60	103.82	85.103		
16,400.00	6,963.87	6,748.96	6,552.02	276.78	34.29	-79.03	-2,190.88	316.66	8,931.60	8,827.85	103.75	86.088		
16,500.00	6,964.13	6,748.65	6,551.71	279.62	34.29	-79.02	-2,190.88	316.64	9,029.13	8,925.36	103.77	87.012		
16,600.00	6,964.40	6,748.34	6,551.40	282.46	34.29	-79.01	-2,190.87	316.63	9,126.71	9,022.92	103.79	87.936		
16,700.00	6,964.67	6,748.04	6,551.10	285.29	34.29	-79.00	-2,190.87	316.62	9,224.34	9,120.53	103.81	88.859		
16,800.00	6,964.93	6,747.75	6,550.81	288.13	34.29	-78.99	-2,190.86	316.61	9,322.02	9,218.19	103.83	89.782		
16,900.00	6,965.20	6,747.46	6,550.52	290.97	34.28	-78.99	-2,190.86	316.60	9,419.75	9,315.90	103.85	90.704		
17,000.00	6,965.46	6,747.17	6,550.23	293.81	34.28	-78.98	-2,190.85	316.58	9,517.53	9,413.66	103.87	91.626		
17,100.00	6,965.73	6,746.90	6,549.96	296.65	34.28	-78.97	-2,190.85	316.57	9,615.36	9,511.46	103.90	92.546		
17,200.00	6,966.00	6,746.62	6,549.68	299.49	34.28	-78.96	-2,190.85	316.56	9,713.23	9,609.30	103.92	93.467		
17,300.00	6,966.26	6,746.35	6,549.42	302.32	34.28	-78.95	-2,190.84	316.55	9,811.14	9,707.19	103.95	94.386		
17,400.00	6,966.53	6,746.09	6,549.15	305.16	34.28	-78.95	-2,190.84	316.54	9,909.09	9,805.12	103.97	95.305		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	145.58	-737.72	505.60	894.41					
100.00	100.00	86.52	86.52	3.28	3.29	145.61	-738.09	505.26	894.47	887.90	6.57	136.135		
200.00	200.00	183.70	183.68	3.34	3.31	145.71	-739.40	504.10	894.91	888.26	6.64	134.717		
300.00	299.98	280.77	280.71	3.44	3.34	45.99	-741.64	502.10	894.45	887.67	6.78	131.888		
400.00	399.84	377.52	377.36	3.60	3.39	46.52	-744.81	499.28	891.93	884.95	6.98	127.712		
500.00	499.45	467.27	466.96	3.80	3.47	47.27	-748.76	495.87	887.59	880.33	7.26	122.176		
600.00	598.70	548.44	547.78	4.05	3.60	48.25	-754.86	491.63	882.94	875.29	7.65	115.422		
700.00	697.47	635.40	634.10	4.33	3.79	49.61	-763.57	485.83	877.79	869.67	8.12	108.121		
803.50	799.05	717.00	714.91	4.67	3.99	51.11	-773.40	480.16	872.44	863.78	8.66	100.735		
900.00	893.41	791.45	788.40	5.02	4.20	52.53	-784.08	475.00	869.11	859.89	9.22	94.291		
957.71	949.85	834.25	830.52	5.24	4.34	53.38	-791.10	471.96	868.53	858.97	9.57	90.789 CC, ES		
1,000.00	991.20	865.05	860.77	5.41	4.44	54.00	-796.52	469.91	868.85	859.02	9.83	88.393		
1,100.00	1,088.99	937.82	932.06	5.81	4.68	55.44	-810.50	465.69	872.10	861.62	10.47	83.289		
1,200.00	1,186.78	1,011.81	1,004.31	6.23	4.95	56.86	-826.19	462.79	878.80	867.66	11.14	78.888		
1,300.00	1,284.57	1,091.89	1,082.22	6.67	5.26	58.34	-844.53	460.55	888.39	876.55	11.84	75.042		
1,400.00	1,382.36	1,177.77	1,165.53	7.12	5.61	59.90	-865.29	458.60	900.22	887.64	12.58	71.572		
1,500.00	1,480.15	1,270.60	1,255.38	7.57	6.00	61.59	-888.49	456.09	913.56	900.19	13.37	68.346		
1,600.00	1,577.94	1,356.48	1,338.27	8.03	6.39	63.19	-910.69	452.53	928.26	914.12	14.14	65.629		
1,700.00	1,675.73	1,436.63	1,415.29	8.50	6.76	64.70	-932.50	448.64	945.05	930.14	14.90	63.405		
1,800.00	1,773.52	1,520.74	1,495.69	8.98	7.17	66.28	-956.72	443.89	964.12	948.43	15.69	61.432		
1,900.00	1,871.31	1,612.19	1,582.95	9.45	7.63	67.97	-983.53	438.39	984.61	968.07	16.54	59.547		
2,000.00	1,969.10	1,714.04	1,680.29	9.94	8.14	69.73	-1,013.06	433.19	1,005.78	988.33	17.45	57.643		
2,100.00	2,066.88	1,825.49	1,787.34	10.42	8.70	71.50	-1,043.70	428.53	1,026.35	1,007.92	18.43	55.679		
2,200.00	2,164.67	1,935.87	1,893.93	10.91	9.26	73.10	-1,072.19	425.12	1,046.04	1,026.62	19.42	53.872		
2,300.00	2,262.46	2,055.91	2,010.44	11.40	9.85	74.67	-1,100.96	423.25	1,064.60	1,044.14	20.46	52.030		
2,400.00	2,360.25	2,185.01	2,136.59	11.89	10.47	76.33	-1,128.26	420.44	1,080.83	1,059.27	21.56	50.142		
2,500.00	2,458.04	2,286.42	2,236.10	12.39	10.95	77.57	-1,147.72	418.41	1,095.64	1,073.15	22.49	48.722		
2,600.00	2,555.83	2,373.87	2,321.82	12.88	11.37	78.63	-1,164.85	416.34	1,111.35	1,088.00	23.34	47.609		
2,700.00	2,653.62	2,466.74	2,412.73	13.38	11.82	79.73	-1,183.72	414.11	1,128.21	1,103.98	24.23	46.554		
2,800.00	2,751.41	2,554.19	2,498.29	13.88	12.25	80.78	-1,201.57	411.21	1,145.68	1,120.59	25.10	45.654		
2,900.00	2,849.20	2,645.66	2,587.57	14.38	12.70	81.87	-1,221.15	407.65	1,164.60	1,138.62	25.98	44.820		
3,000.00	2,946.99	2,747.58	2,687.16	14.88	13.21	83.05	-1,242.46	403.57	1,183.51	1,156.56	26.95	43.921		
3,100.00	3,044.78	2,828.35	2,766.05	15.38	13.61	83.96	-1,259.41	400.32	1,202.99	1,175.22	27.76	43.328		
3,200.00	3,142.57	2,897.88	2,833.66	15.89	13.97	84.70	-1,275.49	397.95	1,224.80	1,196.30	28.49	42.984		
3,300.00	3,240.36	2,974.30	2,907.63	16.39	14.36	85.45	-1,294.53	395.88	1,248.63	1,219.36	29.27	42.657		
3,400.00	3,338.15	3,130.31	3,059.32	16.89	15.16	86.95	-1,330.68	391.55	1,271.06	1,240.39	30.67	41.444		
3,500.00	3,435.93	3,224.55	3,151.52	17.40	15.63	87.84	-1,349.98	388.91	1,291.26	1,259.67	31.59	40.878		
3,600.00	3,533.72	3,300.00	3,262.80	17.90	17.48	88.85	-1,373.04	386.36	1,311.44	1,277.59	33.85	38.745		
3,700.00	3,631.51	3,443.88	3,366.57	18.41	16.70	89.77	-1,392.72	384.14	1,330.23	1,296.59	33.64	39.541		
3,800.00	3,729.30	3,537.53	3,458.47	18.92	17.16	90.58	-1,410.56	381.59	1,349.92	1,315.36	34.56	39.064		
3,900.00	3,827.09	3,622.41	3,541.68	19.42	17.58	91.27	-1,427.24	379.76	1,370.33	1,334.92	35.41	38.698		
4,000.00	3,924.88	3,704.32	3,621.83	19.93	17.99	91.94	-1,443.94	377.34	1,391.87	1,355.62	36.24	38.406		
4,100.00	4,022.67	3,838.61	3,753.38	20.44	18.66	93.05	-1,470.45	372.43	1,413.38	1,375.92	37.46	37.728		
4,200.00	4,120.46	3,887.96	3,801.66	20.95	18.91	93.45	-1,480.45	370.50	1,435.24	1,397.19	38.05	37.721		
4,300.00	4,218.25	3,951.82	3,863.86	21.46	19.24	93.96	-1,494.59	367.32	1,459.67	1,420.95	38.72	37.696		
4,400.00	4,316.04	4,022.86	3,932.76	21.97	19.61	94.54	-1,511.36	362.98	1,486.10	1,446.65	39.45	37.675		
4,500.00	4,413.83	4,106.31	4,013.42	22.48	20.05	95.16	-1,532.32	358.92	1,513.81	1,473.53	40.28	37.581		
4,600.00	4,511.62	4,195.34	4,099.32	22.99	20.52	95.74	-1,555.50	355.60	1,542.21	1,501.04	41.17	37.458		
4,700.00	4,609.41	4,402.72	4,301.23	23.50	21.59	97.04	-1,602.30	350.08	1,566.90	1,523.82	43.08	36.370		
4,800.00	4,707.20	4,482.66	4,379.53	24.01	21.99	97.54	-1,618.28	348.01	1,589.64	1,545.74	43.90	36.211		
4,900.00	4,804.98	4,602.45	4,497.06	24.52	22.58	98.30	-1,641.14	344.56	1,611.79	1,566.76	45.02	35.798		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 36C-7-M - OH - OH		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	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)						
5,000.00	4,902.77	4,681.97	4,575.08	25.03	22.98	98.79	-1,656.31	342.25	1,634.18	1,588.34	45.84	35.651					
5,100.00	5,000.56	4,753.15	4,644.75	25.54	23.34	99.22	-1,670.74	339.88	1,657.98	1,611.40	46.58	35.594					
5,200.00	5,098.35	4,877.61	4,766.53	26.05	23.96	99.92	-1,696.12	336.24	1,681.91	1,634.15	47.76	35.216					
5,300.00	5,196.14	4,958.00	4,845.25	26.56	24.37	100.35	-1,712.34	334.50	1,705.48	1,656.91	48.58	35.108					
5,400.00	5,293.93	5,022.60	4,908.33	27.07	24.70	100.69	-1,726.17	332.78	1,730.50	1,681.24	49.26	35.130					
5,500.00	5,391.72	5,104.80	4,988.32	27.58	25.12	101.11	-1,744.85	329.83	1,757.13	1,707.04	50.09	35.081					
5,600.00	5,489.51	5,378.35	5,256.70	28.09	26.47	102.54	-1,796.36	322.09	1,781.90	1,729.52	52.38	34.019					
5,700.00	5,587.30	5,578.02	5,455.38	28.61	27.35	103.77	-1,815.11	316.95	1,796.57	1,742.75	53.82	33.381					
5,800.00	5,685.09	5,703.99	5,581.14	29.12	27.87	104.55	-1,822.03	314.80	1,807.54	1,752.69	54.85	32.956					
5,900.00	5,782.88	5,857.06	5,734.10	29.63	28.48	105.54	-1,827.07	312.11	1,816.94	1,761.00	55.93	32.484					
6,000.00	5,880.67	5,958.17	5,835.19	30.14	28.88	106.15	-1,828.91	312.39	1,824.31	1,767.45	56.85	32.089					
6,100.00	5,978.46	6,059.04	5,936.01	30.65	29.27	106.72	-1,831.81	313.39	1,832.50	1,774.73	57.77	31.721					
6,200.00	6,076.25	6,156.95	6,033.89	31.17	29.66	107.27	-1,834.07	314.48	1,840.30	1,781.62	58.68	31.363					
6,298.86	6,172.92	6,255.53	6,132.44	31.67	30.04	107.83	-1,836.47	315.35	1,848.40	1,788.82	59.58	31.022					
6,300.00	6,174.03	6,256.72	6,133.63	31.68	30.05	107.75	-1,836.50	315.36	1,848.50	1,788.90	59.59	31.018					
6,350.00	6,223.30	6,307.25	6,184.14	31.92	30.25	102.08	-1,837.64	315.84	1,851.59	1,791.55	60.04	30.839					
6,400.00	6,273.06	6,356.79	6,233.67	32.13	30.44	80.90	-1,838.64	316.09	1,852.81	1,792.35	60.46	30.647					
6,450.00	6,323.01	6,413.51	6,290.38	32.32	30.67	-9.55	-1,839.61	316.20	1,852.08	1,791.22	60.86	30.431					
6,500.00	6,372.84	6,428.07	6,695.28	32.48	32.13	-44.86	-1,839.23	383.77	1,847.15	1,786.26	60.89	30.334					
6,550.00	6,422.24	7,773.23	7,216.75	32.65	36.47	-80.44	-1,856.46	1,093.79	1,826.88	1,767.42	59.46	30.724					
6,600.00	6,470.92	7,768.20	7,216.69	32.83	36.40	-85.92	-1,856.19	1,088.77	1,803.62	1,743.28	60.34	29.890					
6,650.00	6,518.56	7,761.39	7,216.60	33.01	36.32	-89.69	-1,855.84	1,081.96	1,781.67	1,720.49	61.18	29.120					
6,700.00	6,564.89	7,752.83	7,216.48	33.21	36.21	-92.54	-1,855.45	1,073.41	1,761.18	1,699.20	61.98	28.415					
6,750.00	6,609.60	7,742.59	7,216.33	33.43	36.07	-94.81	-1,855.06	1,063.18	1,742.27	1,679.53	62.73	27.773					
6,800.00	6,652.43	7,730.73	7,216.14	33.66	35.92	-96.64	-1,854.70	1,051.33	1,725.05	1,661.61	63.44	27.192					
6,850.00	6,693.10	6,850.00	7,213.03	33.91	33.70	-96.92	-1,853.95	996.73	1,709.66	1,655.05	54.61	31.305					
6,900.00	6,731.38	7,504.11	7,179.01	34.20	33.88	-93.43	-1,850.40	829.03	1,695.38	1,631.91	63.47	26.711					
6,950.00	6,767.02	7,468.02	7,166.04	34.51	33.77	-93.92	-1,849.44	795.38	1,680.36	1,616.26	64.10	26.213					
7,000.00	6,799.81	7,435.36	7,152.44	34.85	33.69	-94.33	-1,848.86	765.69	1,666.75	1,602.02	64.73	25.750					
7,050.00	6,829.54	7,401.09	7,136.32	35.24	33.62	-94.51	-1,848.53	735.46	1,654.60	1,589.24	65.36	25.316					
7,100.00	6,856.03	7,363.20	7,116.34	35.66	33.54	-94.42	-1,848.39	703.26	1,643.86	1,577.85	66.01	24.904					
7,150.00	6,879.11	7,150.00	7,070.90	36.12	33.08	-93.03	-1,848.33	646.56	1,634.30	1,568.35	65.95	24.780					
7,200.00	6,898.65	7,263.56	7,054.03	36.62	33.33	-93.02	-1,848.42	625.67	1,626.54	1,559.22	67.32	24.161					
7,250.00	6,914.51	7,212.24	7,017.36	37.15	33.21	-92.07	-1,847.84	589.80	1,619.50	1,551.53	67.97	23.826					
7,300.00	6,926.62	7,179.65	6,992.99	37.73	33.13	-91.60	-1,847.32	568.16	1,613.75	1,545.13	68.62	23.516					
7,350.00	6,934.88	7,146.11	6,967.22	38.34	33.05	-91.00	-1,846.69	546.70	1,609.31	1,540.05	69.25	23.239					
7,400.00	6,939.26	7,111.75	6,940.15	38.97	32.95	-90.28	-1,845.95	525.55	1,606.07	1,536.18	69.89	22.980					
7,429.12	6,940.00	7,091.64	6,923.95	39.34	32.90	-89.81	-1,845.48	513.64	1,604.70	1,534.45	70.25	22.842					
7,500.00	6,940.19	7,046.02	6,886.28	40.31	32.78	-88.46	-1,844.31	487.95	1,602.80	1,531.64	71.15	22.526					
7,528.79	6,940.27	7,029.38	6,872.23	40.74	32.73	-87.96	-1,843.85	479.04	1,602.62	1,531.07	71.55	22.398					
7,600.00	6,940.46	6,990.68	6,839.30	41.80	32.62	-86.78	-1,842.72	458.76	1,603.74	1,531.23	72.52	22.115					
7,700.00	6,940.72	6,939.37	6,795.17	43.43	32.47	-85.20	-1,841.14	432.62	1,609.21	1,535.27	73.94	21.763					
7,800.00	6,940.99	6,910.96	6,770.35	45.19	32.38	-84.31	-1,840.34	418.82	1,619.61	1,544.14	75.47	21.461					
7,900.00	6,941.25	6,886.08	6,748.21	47.05	32.31	-83.53	-1,839.81	407.49	1,635.31	1,558.31	77.00	21.238					
8,000.00	6,941.52	6,846.00	6,711.81	49.02	32.19	-82.24	-1,839.31	390.73	1,656.48	1,578.03	78.45	21.116					
8,100.00	6,941.79	6,846.00	6,711.81	51.06	32.19	-82.24	-1,839.31	390.73	1,682.43	1,602.45	79.98	21.035 SF					
8,200.00	6,942.05	6,824.50	6,691.98	53.18	32.12	-81.54	-1,839.22	382.42	1,713.58	1,632.21	81.36	21.061					
8,300.00	6,942.32	6,806.25	6,675.03	55.37	32.06	-80.94	-1,839.24	375.66	1,749.48	1,666.82	82.66	21.165					
8,400.00	6,942.58	6,789.38	6,659.26	57.62	32.01	-80.39	-1,839.34	369.65	1,789.90	1,706.04	83.86	21.344					
8,500.00	6,942.85	6,773.74	6,644.58	59.92	31.96	-79.88	-1,839.50	364.29	1,834.58	1,749.62	84.96	21.594					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,752.00	6,624.04	62.26	31.89	-79.17	-1,839.84	357.17	1,883.28	1,797.35	85.93	21.916		
8,700.00	6,943.38	6,752.00	6,624.04	64.65	31.89	-79.17	-1,839.84	357.17	1,935.65	1,848.79	86.86	22.284		
8,800.00	6,943.65	6,726.36	6,599.65	67.08	31.80	-78.33	-1,840.25	349.27	1,991.37	1,903.75	87.62	22.727		
8,900.00	6,943.91	6,710.92	6,584.87	69.53	31.75	-77.82	-1,840.46	344.79	2,050.25	1,961.94	88.31	23.215		
9,000.00	6,944.18	6,696.80	6,571.32	72.02	31.70	-77.36	-1,840.61	340.87	2,112.03	2,023.11	88.92	23.751		
9,100.00	6,944.45	6,683.86	6,558.84	74.54	31.66	-76.94	-1,840.72	337.43	2,176.49	2,087.03	89.46	24.329		
9,200.00	6,944.71	6,657.00	6,532.82	77.07	31.57	-76.05	-1,840.87	330.74	2,243.52	2,153.64	89.88	24.962		
9,300.00	6,944.98	6,657.00	6,532.82	79.63	31.57	-76.05	-1,840.87	330.74	2,312.60	2,222.29	90.32	25.606		
9,400.00	6,945.24	6,657.00	6,532.82	82.21	31.57	-76.05	-1,840.87	330.74	2,383.88	2,293.19	90.69	26.285		
9,500.00	6,945.51	6,657.00	6,532.82	84.81	31.57	-76.05	-1,840.87	330.74	2,457.17	2,366.15	91.02	26.997		
9,600.00	6,945.78	6,657.00	6,532.82	87.43	31.57	-76.05	-1,840.87	330.74	2,532.28	2,440.99	91.29	27.738		
9,700.00	6,946.04	6,657.00	6,532.82	90.05	31.57	-76.05	-1,840.87	330.74	2,609.06	2,517.54	91.52	28.507		
9,800.00	6,946.31	6,657.00	6,532.82	92.70	31.57	-76.05	-1,840.87	330.74	2,687.37	2,595.65	91.72	29.300		
9,900.00	6,946.57	6,657.00	6,532.82	95.35	31.57	-76.05	-1,840.87	330.74	2,767.08	2,675.20	91.89	30.115		
10,000.00	6,946.84	6,657.00	6,532.82	98.02	31.57	-76.05	-1,840.87	330.74	2,848.07	2,756.05	92.02	30.950		
10,100.00	6,947.11	6,657.00	6,532.82	100.70	31.57	-76.05	-1,840.87	330.74	2,930.23	2,838.10	92.13	31.804		
10,200.00	6,947.37	6,657.00	6,532.82	103.38	31.57	-76.05	-1,840.87	330.74	3,013.48	2,921.25	92.23	32.675		
10,300.00	6,947.64	6,657.00	6,532.82	106.08	31.57	-76.05	-1,840.87	330.74	3,097.71	3,005.41	92.30	33.561		
10,400.00	6,947.90	6,657.00	6,532.82	108.78	31.57	-76.05	-1,840.87	330.74	3,182.86	3,090.50	92.36	34.461		
10,500.00	6,948.17	6,657.00	6,532.82	111.49	31.57	-76.05	-1,840.87	330.74	3,268.84	3,176.44	92.41	35.375		
10,600.00	6,948.44	6,617.36	6,493.95	114.21	31.43	-74.75	-1,840.96	323.05	3,353.86	3,261.47	92.39	36.302		
10,700.00	6,948.70	6,615.44	6,492.05	116.94	31.42	-74.69	-1,840.96	322.77	3,441.16	3,348.75	92.41	37.237		
10,800.00	6,948.97	6,613.62	6,490.25	119.67	31.42	-74.63	-1,840.96	322.50	3,529.13	3,436.70	92.43	38.182		
10,900.00	6,949.24	6,611.90	6,488.55	122.41	31.41	-74.57	-1,840.96	322.26	3,617.72	3,525.28	92.44	39.136		
11,000.00	6,949.50	6,610.28	6,486.94	125.15	31.40	-74.52	-1,840.96	322.04	3,706.88	3,614.43	92.44	40.099		
11,100.00	6,949.77	6,608.73	6,485.41	127.90	31.40	-74.46	-1,840.96	321.83	3,796.57	3,704.13	92.44	41.069		
11,200.00	6,950.03	6,607.27	6,483.95	130.65	31.39	-74.42	-1,840.97	321.64	3,886.77	3,794.33	92.44	42.047		
11,300.00	6,950.30	6,605.87	6,482.57	133.41	31.39	-74.37	-1,840.97	321.47	3,977.43	3,885.00	92.43	43.032		
11,400.00	6,950.57	6,604.54	6,481.25	136.17	31.38	-74.33	-1,840.97	321.30	4,068.52	3,976.10	92.42	44.023		
11,500.00	6,950.83	6,563.00	6,439.85	138.94	31.24	-72.96	-1,840.92	318.13	4,161.86	4,069.54	92.32	45.081		
11,600.00	6,951.10	6,563.00	6,439.85	141.71	31.24	-72.96	-1,840.92	318.13	4,253.63	4,161.32	92.31	46.081		
11,700.00	6,951.36	6,563.00	6,439.85	144.48	31.24	-72.96	-1,840.92	318.13	4,345.76	4,253.47	92.30	47.085		
11,800.00	6,951.63	6,563.00	6,439.85	147.26	31.24	-72.96	-1,840.92	318.13	4,438.24	4,345.96	92.28	48.094		
11,900.00	6,951.90	6,563.00	6,439.85	150.03	31.24	-72.96	-1,840.92	318.13	4,531.03	4,438.76	92.27	49.107		
12,000.00	6,952.16	6,563.00	6,439.85	152.82	31.24	-72.96	-1,840.92	318.13	4,624.13	4,531.87	92.25	50.125		
12,100.00	6,952.43	6,563.00	6,439.85	155.60	31.24	-72.96	-1,840.92	318.13	4,717.50	4,625.27	92.24	51.146		
12,200.00	6,952.69	6,563.00	6,439.85	158.39	31.24	-72.96	-1,840.92	318.13	4,811.15	4,718.93	92.22	52.170		
12,300.00	6,952.96	6,563.00	6,439.85	161.18	31.24	-72.96	-1,840.92	318.13	4,905.04	4,812.84	92.20	53.198		
12,400.00	6,953.23	6,563.00	6,439.85	163.97	31.24	-72.96	-1,840.92	318.13	4,999.17	4,906.98	92.19	54.228		
12,500.00	6,953.49	6,563.00	6,439.85	166.77	31.24	-72.96	-1,840.92	318.13	5,093.53	5,001.35	92.17	55.261		
12,600.00	6,953.76	6,563.00	6,439.85	169.56	31.24	-72.96	-1,840.92	318.13	5,188.09	5,095.94	92.16	56.297		
12,700.00	6,954.02	6,563.00	6,439.85	172.36	31.24	-72.96	-1,840.92	318.13	5,282.86	5,190.72	92.14	57.334		
12,800.00	6,954.29	6,563.00	6,439.85	175.16	31.24	-72.96	-1,840.92	318.13	5,377.82	5,285.69	92.13	58.374		
12,900.00	6,954.56	6,563.00	6,439.85	177.97	31.24	-72.96	-1,840.92	318.13	5,472.95	5,380.84	92.11	59.415		
13,000.00	6,954.82	6,563.00	6,439.85	180.77	31.24	-72.96	-1,840.92	318.13	5,568.26	5,476.16	92.10	60.458		
13,100.00	6,955.09	6,563.00	6,439.85	183.58	31.24	-72.96	-1,840.92	318.13	5,663.72	5,571.64	92.09	61.503		
13,200.00	6,955.35	6,563.00	6,439.85	186.38	31.24	-72.96	-1,840.92	318.13	5,759.35	5,667.27	92.08	62.548		
13,300.00	6,955.62	6,563.00	6,439.85	189.19	31.24	-72.96	-1,840.92	318.13	5,855.11	5,763.05	92.07	63.595		
13,400.00	6,955.89	6,563.00	6,439.85	192.00	31.24	-72.96	-1,840.92	318.13	5,951.02	5,858.96	92.06	64.643		
13,500.00	6,956.15	6,563.00	6,439.85	194.82	31.24	-72.96	-1,840.92	318.13	6,047.06	5,955.01	92.05	65.692		
13,600.00	6,956.42	6,563.00	6,439.85	197.63	31.24	-72.96	-1,840.92	318.13	6,143.23	6,051.18	92.04	66.742		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 36C-7-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,563.00	6,439.85	200.44	31.24	-72.96	-1,840.92	318.13	6,239.51	6,147.48	92.04	67.793		
13,800.00	6,956.95	6,563.00	6,439.85	203.26	31.24	-72.96	-1,840.92	318.13	6,335.92	6,243.88	92.03	68.844		
13,900.00	6,957.22	6,563.00	6,439.85	206.08	31.24	-72.96	-1,840.92	318.13	6,432.43	6,340.40	92.03	69.895		
14,000.00	6,957.48	6,563.00	6,439.85	208.89	31.24	-72.96	-1,840.92	318.13	6,529.04	6,437.02	92.03	70.947		
14,100.00	6,957.75	6,563.00	6,439.85	211.71	31.24	-72.96	-1,840.92	318.13	6,625.76	6,533.74	92.03	71.999		
14,200.00	6,958.02	6,563.00	6,439.85	214.53	31.24	-72.96	-1,840.92	318.13	6,722.57	6,630.55	92.03	73.051		
14,300.00	6,958.28	6,563.00	6,439.85	217.36	31.24	-72.96	-1,840.92	318.13	6,819.48	6,727.45	92.03	74.104		
14,400.00	6,958.55	6,563.00	6,439.85	220.18	31.24	-72.96	-1,840.92	318.13	6,916.47	6,824.44	92.03	75.156		
14,500.00	6,958.81	6,563.00	6,439.85	223.00	31.24	-72.96	-1,840.92	318.13	7,013.55	6,921.52	92.03	76.208		
14,600.00	6,959.08	6,563.00	6,439.85	225.83	31.24	-72.96	-1,840.92	318.13	7,110.71	7,018.67	92.04	77.261		
14,700.00	6,959.35	6,563.00	6,439.85	228.65	31.24	-72.96	-1,840.92	318.13	7,207.95	7,115.90	92.04	78.313		
14,800.00	6,959.61	6,563.00	6,439.85	231.48	31.24	-72.96	-1,840.92	318.13	7,305.26	7,213.21	92.05	79.364		
14,900.00	6,959.88	6,563.00	6,439.85	234.30	31.24	-72.96	-1,840.92	318.13	7,402.64	7,310.58	92.05	80.415		
15,000.00	6,960.14	6,563.00	6,439.85	237.13	31.24	-72.96	-1,840.92	318.13	7,500.09	7,408.03	92.06	81.466		
15,100.00	6,960.41	6,563.00	6,439.85	239.96	31.24	-72.96	-1,840.92	318.13	7,597.61	7,505.53	92.07	82.517		
15,200.00	6,960.68	6,563.00	6,439.85	242.79	31.24	-72.96	-1,840.92	318.13	7,695.19	7,603.10	92.08	83.566		
15,300.00	6,960.94	6,563.00	6,439.85	245.62	31.24	-72.96	-1,840.92	318.13	7,792.83	7,700.74	92.10	84.616		
15,400.00	6,961.21	6,563.00	6,439.85	248.45	31.24	-72.96	-1,840.92	318.13	7,890.53	7,798.42	92.11	85.664		
15,500.00	6,961.47	6,563.00	6,439.85	251.28	31.24	-72.96	-1,840.92	318.13	7,988.29	7,896.17	92.12	86.712		
15,600.00	6,961.74	6,563.00	6,439.85	254.11	31.24	-72.96	-1,840.92	318.13	8,086.11	7,993.97	92.14	87.759		
15,700.00	6,962.01	6,563.00	6,439.85	256.94	31.24	-72.96	-1,840.92	318.13	8,183.97	8,091.82	92.16	88.805		
15,800.00	6,962.27	6,563.00	6,439.85	259.77	31.24	-72.96	-1,840.92	318.13	8,281.89	8,189.72	92.17	89.851		
15,900.00	6,962.54	6,563.00	6,439.85	262.61	31.24	-72.96	-1,840.92	318.13	8,379.86	8,287.66	92.19	90.895		
16,000.00	6,962.80	6,563.00	6,439.85	265.44	31.24	-72.96	-1,840.92	318.13	8,477.87	8,385.66	92.21	91.938		
16,100.00	6,963.07	6,563.00	6,439.85	268.28	31.24	-72.96	-1,840.92	318.13	8,575.93	8,483.70	92.23	92.981		
16,200.00	6,963.34	6,563.00	6,439.85	271.11	31.24	-72.96	-1,840.92	318.13	8,674.03	8,581.78	92.26	94.022		
16,300.00	6,963.60	6,563.00	6,439.85	273.95	31.24	-72.96	-1,840.92	318.13	8,772.18	8,679.90	92.28	95.063		
16,400.00	6,963.87	6,563.00	6,439.85	276.78	31.24	-72.96	-1,840.92	318.13	8,870.37	8,778.07	92.30	96.102		
16,500.00	6,964.13	6,563.00	6,439.85	279.62	31.24	-72.96	-1,840.92	318.13	8,968.60	8,876.27	92.33	97.140		
16,600.00	6,964.40	6,563.00	6,439.85	282.46	31.24	-72.96	-1,840.92	318.13	9,066.87	8,974.51	92.35	98.177		
16,700.00	6,964.67	6,563.00	6,439.85	285.29	31.24	-72.96	-1,840.92	318.13	9,165.17	9,072.79	92.38	99.212		
16,800.00	6,964.93	6,563.00	6,439.85	288.13	31.24	-72.96	-1,840.92	318.13	9,263.51	9,171.10	92.41	100.247		
16,900.00	6,965.20	6,563.00	6,439.85	290.97	31.24	-72.96	-1,840.92	318.13	9,361.89	9,269.45	92.44	101.280		
17,000.00	6,965.46	6,563.00	6,439.85	293.81	31.24	-72.96	-1,840.92	318.13	9,460.30	9,367.83	92.47	102.311		
17,100.00	6,965.73	6,563.00	6,439.85	296.65	31.24	-72.96	-1,840.92	318.13	9,558.74	9,466.24	92.50	103.342		
17,200.00	6,966.00	6,563.00	6,439.85	299.49	31.24	-72.96	-1,840.92	318.13	9,657.22	9,564.69	92.53	104.370		
17,300.00	6,966.26	6,563.00	6,439.85	302.32	31.24	-72.96	-1,840.92	318.13	9,755.72	9,663.16	92.56	105.398		
17,400.00	6,966.53	6,563.00	6,439.85	305.16	31.24	-72.96	-1,840.92	318.13	9,854.26	9,761.66	92.59	106.424		
17,500.00	6,966.80	6,563.00	6,439.85	308.00	31.24	-72.96	-1,840.92	318.13	9,952.82	9,860.19	92.63	107.448		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	144.84	-717.68	505.60	877.96					
100.00	100.00	90.76	90.76	3.28	3.29	144.82	-717.44	505.79	877.80	871.23	6.57	133.592		
200.00	200.00	192.72	192.72	3.34	3.31	144.75	-716.58	506.45	877.49	870.85	6.64	132.068		
300.00	299.98	290.57	290.55	3.44	3.36	44.74	-715.27	507.56	875.82	869.02	6.80	128.759		
400.00	399.84	383.33	383.29	3.60	3.47	44.89	-714.33	509.27	872.33	865.27	7.07	123.429		
500.00	499.45	476.77	476.70	3.80	3.62	45.20	-713.93	511.50	867.19	859.76	7.42	116.824		
600.00	598.70	570.04	569.95	4.05	3.81	45.80	-714.83	512.95	860.29	852.44	7.85	109.532		
700.00	697.47	659.33	659.20	4.33	4.02	46.66	-717.22	513.45	851.95	843.61	8.34	102.121		
803.50	799.05	745.30	745.06	4.67	4.24	47.81	-721.73	512.87	842.58	833.68	8.90	94.710		
900.00	893.41	821.28	820.74	5.02	4.45	48.94	-728.23	511.38	835.09	825.64	9.45	88.363		
1,000.00	991.20	902.93	901.74	5.41	4.70	50.35	-737.93	508.29	829.85	819.78	10.07	82.387		
1,100.00	1,088.99	975.73	973.57	5.81	4.94	51.77	-749.13	504.34	827.68	816.97	10.71	77.285		
1,108.79	1,097.59	982.07	979.80	5.85	4.96	51.90	-750.23	503.96	827.67	816.90	10.77	76.875 CC, ES		
1,200.00	1,186.78	1,060.60	1,056.80	6.23	5.23	53.55	-764.77	498.96	828.74	817.33	11.41	72.652		
1,300.00	1,284.57	1,150.54	1,144.88	6.67	5.56	55.46	-782.04	493.13	831.57	819.43	12.15	68.467		
1,400.00	1,382.36	1,237.05	1,229.57	7.12	5.89	57.24	-799.00	488.40	836.24	823.34	12.90	64.829		
1,500.00	1,480.15	1,322.11	1,312.62	7.57	6.24	58.99	-816.79	483.77	843.18	829.52	13.66	61.718		
1,600.00	1,577.94	1,411.68	1,399.83	8.03	6.62	60.86	-836.57	478.52	852.14	837.68	14.46	58.938		
1,700.00	1,675.73	1,505.33	1,490.90	8.50	7.03	62.80	-857.55	472.56	862.38	847.09	15.29	56.409		
1,800.00	1,773.52	1,596.68	1,579.56	8.98	7.44	64.71	-878.51	465.97	874.04	857.92	16.12	54.225		
1,900.00	1,871.31	1,691.20	1,671.44	9.45	7.87	66.56	-900.05	460.53	886.90	869.92	16.98	52.245		
2,000.00	1,969.10	1,786.04	1,763.74	9.94	8.31	68.28	-921.46	456.29	900.70	882.85	17.84	50.482		
2,100.00	2,066.88	1,885.66	1,860.77	10.42	8.78	69.98	-943.73	452.76	915.25	896.51	18.74	48.829		
2,200.00	2,164.67	1,989.45	1,962.12	10.91	9.26	71.65	-965.86	449.67	929.58	909.91	19.68	47.238		
2,300.00	2,262.46	2,089.05	2,059.29	11.40	9.74	73.37	-986.91	443.80	944.24	923.64	20.60	45.846		
2,400.00	2,360.25	2,201.27	2,169.04	11.89	10.27	75.23	-1,009.46	437.54	958.72	937.13	21.60	44.391		
2,500.00	2,458.04	2,310.78	2,276.57	12.39	10.78	76.95	-1,029.44	432.02	972.12	949.54	22.58	43.047		
2,600.00	2,555.83	2,402.57	2,366.79	12.88	11.22	78.33	-1,045.75	427.59	985.74	962.28	23.46	42.013		
2,700.00	2,653.62	2,519.07	2,481.51	13.38	11.76	80.02	-1,065.31	422.39	999.00	974.50	24.50	40.781		
2,800.00	2,751.41	2,592.69	2,553.99	13.88	12.11	81.05	-1,077.90	419.34	1,013.18	987.91	25.27	40.102		
2,900.00	2,849.20	2,705.40	2,664.92	14.38	12.64	82.56	-1,097.34	415.13	1,028.01	1,001.72	26.29	39.107		
3,000.00	2,946.99	2,777.11	2,735.43	14.88	12.98	83.52	-1,110.03	411.97	1,043.89	1,016.85	27.04	38.608		
3,100.00	3,044.78	2,880.09	2,836.46	15.38	13.48	84.89	-1,129.24	406.67	1,061.32	1,033.31	28.01	37.896		
3,200.00	3,142.57	2,976.71	2,931.38	15.89	13.94	86.13	-1,146.69	401.96	1,078.64	1,049.72	28.93	37.285		
3,300.00	3,240.36	3,099.11	3,052.04	16.39	14.52	87.63	-1,166.46	396.66	1,094.35	1,064.32	30.03	36.440		
3,400.00	3,338.15	3,167.23	3,119.11	16.89	14.85	88.43	-1,178.03	393.74	1,111.49	1,080.74	30.75	36.142		
3,500.00	3,435.93	3,247.19	3,197.55	17.40	15.24	89.32	-1,193.26	390.72	1,130.94	1,099.39	31.55	35.842		
3,600.00	3,533.72	3,378.39	3,326.48	17.90	15.87	90.66	-1,217.24	387.25	1,149.72	1,116.98	32.75	35.110		
3,700.00	3,631.51	3,466.27	3,413.02	18.41	16.29	91.55	-1,232.37	384.75	1,167.94	1,134.33	33.61	34.749		
3,800.00	3,729.30	3,554.14	3,499.42	18.92	16.72	92.42	-1,248.07	381.92	1,187.19	1,152.72	34.47	34.347		
3,900.00	3,827.09	3,645.25	3,588.91	19.42	17.16	93.30	-1,264.87	378.77	1,207.35	1,171.99	35.36	34.141		
4,000.00	3,924.88	3,746.64	3,688.55	19.93	17.66	94.29	-1,283.13	374.54	1,227.61	1,191.28	36.34	33.786		
4,100.00	4,022.67	3,822.00	3,762.59	20.44	18.02	95.01	-1,296.82	371.22	1,248.51	1,211.42	37.09	33.659		
4,200.00	4,120.46	3,892.56	3,831.65	20.95	18.37	95.65	-1,310.88	367.89	1,271.46	1,233.66	37.80	33.637		
4,300.00	4,218.25	3,962.91	3,900.10	21.46	18.73	96.27	-1,326.67	364.18	1,297.03	1,258.53	38.49	33.696		
4,400.00	4,316.04	4,050.68	3,985.21	21.97	19.18	97.00	-1,347.60	359.61	1,324.14	1,284.79	39.35	33.649		
4,500.00	4,413.83	4,156.79	4,088.28	22.48	19.73	97.91	-1,371.97	353.01	1,351.04	1,310.64	40.40	33.446		
4,600.00	4,511.62	4,319.55	4,247.32	22.99	20.55	99.30	-1,404.85	342.58	1,375.97	1,334.03	41.94	32.809		
4,700.00	4,609.41	4,435.71	4,361.69	23.50	21.11	100.29	-1,423.96	335.82	1,397.31	1,354.28	43.03	32.472		
4,800.00	4,707.20	4,525.95	4,450.60	24.01	21.55	101.01	-1,438.68	331.31	1,418.54	1,374.63	43.91	32.303		
4,900.00	4,804.98	4,616.39	4,539.57	24.52	21.99	101.66	-1,454.54	327.66	1,440.71	1,395.91	44.80	32.159		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 36N-7B-M - OH - OH													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		
5,000.00	4,902.77	4,721.70	4,643.22	25.03	22.50	102.40	-1,472.62	323.38	1,462.78	1,416.97	45.81	31.933		
5,100.00	5,000.56	4,852.59	4,772.40	25.54	23.12	103.41	-1,492.41	316.01	1,483.98	1,436.97	47.01	31.569		
5,200.00	5,098.35	4,976.50	4,895.13	26.05	23.70	104.39	-1,507.87	308.94	1,503.05	1,454.93	48.13	31.232		
5,300.00	5,196.14	5,099.71	5,017.49	26.56	24.26	105.34	-1,520.87	302.74	1,520.36	1,471.14	49.22	30.889		
5,400.00	5,293.93	5,239.12	5,156.20	27.07	24.88	106.41	-1,533.21	296.33	1,536.47	1,486.08	50.39	30.492		
5,500.00	5,391.72	5,447.88	5,364.71	27.58	25.72	108.11	-1,538.86	289.10	1,546.23	1,494.48	51.74	29.882		
5,600.00	5,489.51	5,540.20	5,457.00	28.09	26.07	108.85	-1,539.31	286.89	1,554.57	1,501.95	52.62	29.543		
5,700.00	5,587.30	5,649.08	5,565.86	28.61	26.49	109.71	-1,539.10	284.75	1,562.42	1,508.88	53.54	29.182		
5,800.00	5,685.09	5,754.99	5,671.74	29.12	26.89	110.56	-1,538.64	282.35	1,570.57	1,516.13	54.45	28.846		
5,900.00	5,782.88	5,876.39	5,793.12	29.63	27.33	111.49	-1,536.80	281.29	1,577.32	1,521.94	55.38	28.483		
6,000.00	5,880.67	5,972.93	5,889.65	30.14	27.68	112.17	-1,535.70	282.05	1,583.85	1,527.60	56.25	28.159		
6,100.00	5,978.46	6,066.07	5,982.79	30.65	28.01	112.82	-1,534.83	282.62	1,590.87	1,533.76	57.11	27.857		
6,200.00	6,076.25	6,160.65	6,077.36	31.17	28.35	113.50	-1,533.83	282.56	1,598.39	1,540.41	57.97	27.572		
6,298.86	6,172.92	7,674.64	7,061.81	31.67	36.59	92.42	-1,517.81	1,101.67	1,589.74	1,535.57	54.17	29.347		
6,300.00	6,174.03	7,674.77	7,061.81	31.68	36.59	92.26	-1,517.82	1,101.81	1,589.09	1,534.89	54.20	29.319		
6,350.00	6,223.30	7,679.77	7,061.95	31.92	36.67	82.86	-1,518.09	1,106.80	1,560.72	1,505.25	55.47	28.136		
6,400.00	6,273.06	7,698.00	7,062.61	32.13	36.93	57.66	-1,519.11	1,124.98	1,533.02	1,476.16	56.86	26.963		
6,450.00	6,323.01	7,698.00	7,062.61	32.32	36.93	-35.65	-1,519.11	1,124.98	1,505.92	1,447.89	58.03	25.950		
6,500.00	6,372.84	7,698.00	7,062.61	32.48	36.93	-70.65	-1,519.11	1,124.98	1,479.86	1,420.68	59.18	25.006		
6,550.00	6,422.24	7,679.91	7,061.95	32.65	36.67	-80.18	-1,518.09	1,106.94	1,454.84	1,394.73	60.11	24.203		
6,600.00	6,470.92	7,674.31	7,061.80	32.83	36.59	-85.62	-1,517.79	1,101.35	1,431.34	1,370.20	61.14	23.410		
6,650.00	6,518.56	7,666.20	7,061.62	33.01	36.47	-89.27	-1,517.37	1,093.25	1,409.41	1,347.30	62.11	22.691		
6,700.00	6,564.89	7,655.48	7,061.47	33.21	36.31	-91.94	-1,516.83	1,082.55	1,389.18	1,326.17	63.01	22.047		
6,750.00	6,609.60	7,642.06	7,061.40	33.43	36.12	-93.95	-1,516.18	1,069.14	1,370.75	1,306.93	63.83	21.476		
6,800.00	6,652.43	7,625.88	7,061.50	33.66	35.88	-95.45	-1,515.45	1,052.98	1,354.21	1,289.65	64.56	20.977		
6,850.00	6,693.10	7,603.00	7,061.99	33.91	35.55	-96.43	-1,514.51	1,030.12	1,339.59	1,274.44	65.14	20.563		
6,900.00	6,731.38	7,579.19	7,062.53	34.20	35.25	-97.15	-1,513.67	1,006.33	1,326.79	1,261.08	65.71	20.191		
6,950.00	6,767.02	7,548.62	7,062.66	34.51	34.86	-97.46	-1,512.82	975.78	1,315.70	1,249.54	66.16	19.886		
7,000.00	6,799.81	7,516.91	7,062.14	34.85	34.46	-97.59	-1,512.22	944.08	1,306.28	1,239.71	66.57	19.624		
7,050.00	6,829.54	7,481.61	7,060.51	35.24	34.06	-97.47	-1,511.91	908.82	1,298.43	1,231.48	66.95	19.394		
7,100.00	6,856.03	7,445.80	7,057.04	35.66	33.67	-97.21	-1,512.03	873.18	1,292.07	1,224.73	67.33	19.189		
7,150.00	6,879.11	7,410.91	7,051.88	36.12	33.30	-96.84	-1,512.56	838.68	1,287.17	1,219.45	67.72	19.007		
7,200.00	6,898.65	7,379.12	7,045.60	36.62	33.01	-96.42	-1,513.48	807.53	1,283.78	1,215.60	68.18	18.830		
7,250.00	6,914.51	7,347.77	7,037.90	37.15	32.74	-95.89	-1,514.81	777.18	1,281.90	1,213.27	68.63	18.678		
7,285.72	6,923.55	7,328.41	7,032.43	37.57	32.56	-95.51	-1,515.82	758.63	1,281.45	1,212.50	68.96	18.583		
7,300.00	6,926.62	7,315.92	7,028.57	37.73	32.48	-95.23	-1,516.59	746.78	1,281.49	1,212.41	69.08	18.551		
7,350.00	6,934.88	7,272.32	7,013.95	38.34	32.19	-94.24	-1,519.35	705.80	1,282.26	1,212.74	69.52	18.444		
7,400.00	6,939.26	7,231.29	6,998.56	38.97	31.96	-93.27	-1,522.04	667.87	1,283.91	1,213.97	69.94	18.356		
7,429.12	6,940.00	7,194.62	6,983.21	39.34	31.81	-92.43	-1,524.43	634.66	1,285.18	1,214.98	70.20	18.308		
7,500.00	6,940.19	7,034.00	6,889.98	40.31	31.34	-88.25	-1,527.97	504.89	1,286.42	1,215.73	70.69	18.197		
7,518.42	6,940.24	7,010.05	6,872.81	40.58	31.27	-87.49	-1,527.00	488.22	1,286.03	1,215.13	70.90	18.139		
7,600.00	6,940.46	6,985.91	6,855.05	41.80	31.20	-86.69	-1,526.56	471.88	1,288.09	1,216.10	72.00	17.891		
7,700.00	6,940.72	6,939.00	6,819.32	43.43	31.08	-85.10	-1,527.27	441.51	1,296.64	1,223.31	73.33	17.682		
7,800.00	6,940.99	6,915.71	6,800.96	45.19	31.01	-84.29	-1,528.00	427.20	1,310.68	1,235.93	74.75	17.534		
7,900.00	6,941.25	6,845.00	6,742.49	47.05	30.80	-81.73	-1,528.52	387.50	1,329.54	1,253.60	75.94	17.508 SF		
8,000.00	6,941.52	6,811.49	6,713.42	49.02	30.69	-80.46	-1,528.13	370.83	1,353.56	1,276.37	77.19	17.536		
8,100.00	6,941.79	6,784.38	6,689.28	51.06	30.61	-79.41	-1,527.76	358.50	1,383.39	1,305.03	78.36	17.655		
8,200.00	6,942.05	6,751.00	6,658.87	53.18	30.50	-78.10	-1,527.25	344.76	1,418.96	1,339.60	79.36	17.880		
8,300.00	6,942.32	6,751.00	6,658.87	55.37	30.50	-78.10	-1,527.25	344.76	1,459.86	1,379.43	80.43	18.152		
8,400.00	6,942.58	6,751.00	6,658.87	57.62	30.50	-78.10	-1,527.25	344.76	1,506.29	1,424.95	81.34	18.518		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,500.00	6,942.85	6,713.92	6,624.39	59.92	30.37	-76.63	-1,526.95	331.13	1,556.63	1,474.68	81.95	18.996			
8,600.00	6,943.12	6,701.10	6,612.34	62.26	30.32	-76.12	-1,526.98	326.76	1,611.73	1,529.18	82.55	19.523			
8,700.00	6,943.38	6,689.28	6,601.17	64.65	30.28	-75.65	-1,527.08	322.89	1,670.77	1,587.71	83.06	20.115			
8,800.00	6,943.65	6,656.00	6,569.46	67.08	30.17	-74.34	-1,527.69	312.81	1,733.77	1,650.40	83.37	20.796			
8,900.00	6,943.91	6,656.00	6,569.46	69.53	30.17	-74.34	-1,527.69	312.81	1,799.26	1,715.51	83.76	21.482			
9,000.00	6,944.18	6,656.00	6,569.46	72.02	30.17	-74.34	-1,527.69	312.81	1,867.82	1,783.76	84.06	22.220			
9,100.00	6,944.45	6,656.00	6,569.46	74.54	30.17	-74.34	-1,527.69	312.81	1,939.11	1,854.81	84.29	23.004			
9,200.00	6,944.71	6,656.00	6,569.46	77.07	30.17	-74.34	-1,527.69	312.81	2,012.84	1,928.37	84.47	23.829			
9,300.00	6,944.98	6,626.80	6,541.35	79.63	30.06	-73.19	-1,528.38	304.95	2,088.23	2,003.71	84.52	24.706			
9,400.00	6,945.24	6,617.54	6,532.38	82.21	30.03	-72.83	-1,528.56	302.65	2,165.72	2,081.12	84.59	25.601			
9,500.00	6,945.51	6,608.98	6,524.07	84.81	30.00	-72.49	-1,528.72	300.60	2,244.88	2,160.24	84.64	26.523			
9,600.00	6,945.78	6,601.05	6,516.36	87.43	29.97	-72.18	-1,528.86	298.78	2,325.57	2,240.91	84.66	27.469			
9,700.00	6,946.04	6,593.68	6,509.17	90.05	29.94	-71.89	-1,528.97	297.14	2,407.64	2,322.98	84.66	28.438			
9,800.00	6,946.31	6,562.00	6,478.14	92.70	29.83	-70.66	-1,529.37	290.77	2,491.35	2,406.77	84.58	29.456			
9,900.00	6,946.57	6,562.00	6,478.14	95.35	29.83	-70.66	-1,529.37	290.77	2,575.63	2,491.05	84.58	30.453			
10,000.00	6,946.84	6,562.00	6,478.14	98.02	29.83	-70.66	-1,529.37	290.77	2,661.00	2,576.43	84.56	31.468			
10,100.00	6,947.11	6,562.00	6,478.14	100.70	29.83	-70.66	-1,529.37	290.77	2,747.35	2,662.82	84.53	32.500			
10,200.00	6,947.37	6,562.00	6,478.14	103.38	29.83	-70.66	-1,529.37	290.77	2,834.60	2,750.10	84.50	33.546			
10,300.00	6,947.64	6,562.00	6,478.14	106.08	29.83	-70.66	-1,529.37	290.77	2,922.67	2,838.21	84.46	34.606			
10,400.00	6,947.90	6,562.00	6,478.14	108.78	29.83	-70.66	-1,529.37	290.77	3,011.49	2,927.08	84.41	35.677			
10,500.00	6,948.17	6,562.00	6,478.14	111.49	29.83	-70.66	-1,529.37	290.77	3,100.98	3,016.62	84.36	36.760			
10,600.00	6,948.44	6,562.00	6,478.14	114.21	29.83	-70.66	-1,529.37	290.77	3,191.10	3,106.79	84.31	37.852			
10,700.00	6,948.70	6,562.00	6,478.14	116.94	29.83	-70.66	-1,529.37	290.77	3,281.79	3,197.54	84.25	38.953			
10,800.00	6,948.97	6,562.00	6,478.14	119.67	29.83	-70.66	-1,529.37	290.77	3,373.01	3,288.81	84.19	40.062			
10,900.00	6,949.24	6,562.00	6,478.14	122.41	29.83	-70.66	-1,529.37	290.77	3,464.71	3,380.57	84.14	41.179			
11,000.00	6,949.50	6,562.00	6,478.14	125.15	29.83	-70.66	-1,529.37	290.77	3,556.86	3,472.78	84.08	42.303			
11,100.00	6,949.77	6,562.00	6,478.14	127.90	29.83	-70.66	-1,529.37	290.77	3,649.42	3,565.40	84.03	43.432			
11,200.00	6,950.03	6,562.00	6,478.14	130.65	29.83	-70.66	-1,529.37	290.77	3,742.37	3,658.40	83.97	44.568			
11,300.00	6,950.30	6,562.00	6,478.14	133.41	29.83	-70.66	-1,529.37	290.77	3,835.67	3,751.75	83.92	45.708			
11,400.00	6,950.57	6,562.00	6,478.14	136.17	29.83	-70.66	-1,529.37	290.77	3,929.30	3,845.44	83.87	46.853			
11,500.00	6,950.83	6,562.00	6,478.14	138.94	29.83	-70.66	-1,529.37	290.77	4,023.24	3,939.42	83.81	48.002			
11,600.00	6,951.10	6,562.00	6,478.14	141.71	29.83	-70.66	-1,529.37	290.77	4,117.46	4,033.69	83.77	49.154			
11,700.00	6,951.36	6,562.00	6,478.14	144.48	29.83	-70.66	-1,529.37	290.77	4,211.95	4,128.23	83.72	50.311			
11,800.00	6,951.63	6,562.00	6,478.14	147.26	29.83	-70.66	-1,529.37	290.77	4,306.69	4,223.01	83.67	51.470			
11,900.00	6,951.90	6,562.00	6,478.14	150.03	29.83	-70.66	-1,529.37	290.77	4,401.66	4,318.03	83.63	52.632			
12,000.00	6,952.16	6,562.00	6,478.14	152.82	29.83	-70.66	-1,529.37	290.77	4,496.85	4,413.26	83.59	53.796			
12,100.00	6,952.43	6,562.00	6,478.14	155.60	29.83	-70.66	-1,529.37	290.77	4,592.24	4,508.69	83.55	54.963			
12,200.00	6,952.69	6,562.00	6,478.14	158.39	29.83	-70.66	-1,529.37	290.77	4,687.82	4,604.31	83.51	56.132			
12,300.00	6,952.96	6,562.00	6,478.14	161.18	29.83	-70.66	-1,529.37	290.77	4,783.59	4,700.11	83.48	57.302			
12,400.00	6,953.23	6,562.00	6,478.14	163.97	29.83	-70.66	-1,529.37	290.77	4,879.53	4,796.08	83.45	58.474			
12,500.00	6,953.49	6,562.00	6,478.14	166.77	29.83	-70.66	-1,529.37	290.77	4,975.62	4,892.20	83.42	59.647			
12,600.00	6,953.76	6,562.00	6,478.14	169.56	29.83	-70.66	-1,529.37	290.77	5,071.87	4,988.48	83.39	60.822			
12,700.00	6,954.02	6,562.00	6,478.14	172.36	29.83	-70.66	-1,529.37	290.77	5,168.26	5,084.89	83.36	61.997			
12,800.00	6,954.29	6,519.55	6,436.14	175.16	29.67	-69.01	-1,529.80	284.71	5,262.90	5,179.59	83.31	63.172			
12,900.00	6,954.56	6,518.66	6,435.26	177.97	29.67	-68.98	-1,529.81	284.62	5,359.47	5,276.19	83.29	64.349			
13,000.00	6,954.82	6,517.80	6,434.41	180.77	29.66	-68.95	-1,529.82	284.53	5,456.17	5,372.90	83.27	65.526			
13,100.00	6,955.09	6,516.98	6,433.58	183.58	29.66	-68.91	-1,529.83	284.45	5,552.98	5,469.73	83.25	66.703			
13,200.00	6,955.35	6,516.18	6,432.79	186.38	29.66	-68.88	-1,529.83	284.37	5,649.90	5,566.67	83.23	67.880			
13,300.00	6,955.62	6,515.40	6,432.02	189.19	29.66	-68.85	-1,529.84	284.30	5,746.92	5,663.71	83.22	69.058			
13,400.00	6,955.89	6,514.65	6,431.27	192.00	29.65	-68.82	-1,529.85	284.23	5,844.05	5,760.84	83.21	70.235			
13,500.00	6,956.15	6,513.93	6,430.55	194.82	29.65	-68.80	-1,529.86	284.17	5,941.27	5,858.07	83.20	71.413			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,600.00	6,956.42	6,513.22	6,429.85	197.63	29.65	-68.77	-1,529.86	284.10	6,038.57	5,955.39	83.19	72.590		
13,700.00	6,956.68	6,512.54	6,429.17	200.44	29.65	-68.74	-1,529.87	284.04	6,135.97	6,052.79	83.18	73.767		
13,800.00	6,956.95	6,511.88	6,428.51	203.26	29.64	-68.72	-1,529.88	283.98	6,233.44	6,150.27	83.18	74.943		
13,900.00	6,957.22	6,511.24	6,427.87	206.08	29.64	-68.69	-1,529.88	283.93	6,331.00	6,247.82	83.17	76.119		
14,000.00	6,957.48	6,468.00	6,384.69	208.89	29.48	-67.05	-1,530.34	282.05	6,430.50	6,347.38	83.13	77.357		
14,100.00	6,957.75	6,468.00	6,384.69	211.71	29.48	-67.05	-1,530.34	282.05	6,528.15	6,445.02	83.13	78.531		
14,200.00	6,958.02	6,468.00	6,384.69	214.53	29.48	-67.05	-1,530.34	282.05	6,625.86	6,542.73	83.13	79.704		
14,300.00	6,958.28	6,468.00	6,384.69	217.36	29.48	-67.05	-1,530.34	282.05	6,723.64	6,640.51	83.14	80.876		
14,400.00	6,958.55	6,468.00	6,384.69	220.18	29.48	-67.05	-1,530.34	282.05	6,821.49	6,738.35	83.14	82.047		
14,500.00	6,958.81	6,468.00	6,384.69	223.00	29.48	-67.05	-1,530.34	282.05	6,919.40	6,836.25	83.15	83.217		
14,600.00	6,959.08	6,468.00	6,384.69	225.83	29.48	-67.05	-1,530.34	282.05	7,017.37	6,934.21	83.16	84.386		
14,700.00	6,959.35	6,468.00	6,384.69	228.65	29.48	-67.05	-1,530.34	282.05	7,115.39	7,032.22	83.17	85.555		
14,800.00	6,959.61	6,468.00	6,384.69	231.48	29.48	-67.05	-1,530.34	282.05	7,213.47	7,130.29	83.18	86.722		
14,900.00	6,959.88	6,468.00	6,384.69	234.30	29.48	-67.05	-1,530.34	282.05	7,311.60	7,228.40	83.19	87.887		
15,000.00	6,960.14	6,468.00	6,384.69	237.13	29.48	-67.05	-1,530.34	282.05	7,409.78	7,326.57	83.21	89.052		
15,100.00	6,960.41	6,468.00	6,384.69	239.96	29.48	-67.05	-1,530.34	282.05	7,508.00	7,424.78	83.22	90.215		
15,200.00	6,960.68	6,468.00	6,384.69	242.79	29.48	-67.05	-1,530.34	282.05	7,606.28	7,523.04	83.24	91.377		
15,300.00	6,960.94	6,468.00	6,384.69	245.62	29.48	-67.05	-1,530.34	282.05	7,704.60	7,621.34	83.26	92.538		
15,400.00	6,961.21	6,468.00	6,384.69	248.45	29.48	-67.05	-1,530.34	282.05	7,802.96	7,719.68	83.28	93.697		
15,500.00	6,961.47	6,468.00	6,384.69	251.28	29.48	-67.05	-1,530.34	282.05	7,901.36	7,818.06	83.30	94.854		
15,600.00	6,961.74	6,468.00	6,384.69	254.11	29.48	-67.05	-1,530.34	282.05	7,999.80	7,916.48	83.32	96.010		
15,700.00	6,962.01	6,468.00	6,384.69	256.94	29.48	-67.05	-1,530.34	282.05	8,098.28	8,014.93	83.35	97.164		
15,800.00	6,962.27	6,468.00	6,384.69	259.77	29.48	-67.05	-1,530.34	282.05	8,196.80	8,113.43	83.37	98.317		
15,900.00	6,962.54	6,468.00	6,384.69	262.61	29.48	-67.05	-1,530.34	282.05	8,295.35	8,211.95	83.40	99.467		
16,000.00	6,962.80	6,468.00	6,384.69	265.44	29.48	-67.05	-1,530.34	282.05	8,393.94	8,310.51	83.43	100.616		
16,100.00	6,963.07	6,468.00	6,384.69	268.28	29.48	-67.05	-1,530.34	282.05	8,492.56	8,409.10	83.45	101.764		
16,200.00	6,963.34	6,468.00	6,384.69	271.11	29.48	-67.05	-1,530.34	282.05	8,591.21	8,507.72	83.48	102.909		
16,300.00	6,963.60	6,468.00	6,384.69	273.95	29.48	-67.05	-1,530.34	282.05	8,689.89	8,606.38	83.51	104.052		
16,400.00	6,963.87	6,468.00	6,384.69	276.78	29.48	-67.05	-1,530.34	282.05	8,788.60	8,705.06	83.55	105.194		
16,500.00	6,964.13	6,468.00	6,384.69	279.62	29.48	-67.05	-1,530.34	282.05	8,887.34	8,803.76	83.58	106.333		
16,600.00	6,964.40	6,468.00	6,384.69	282.46	29.48	-67.05	-1,530.34	282.05	8,986.11	8,902.50	83.61	107.471		
16,700.00	6,964.67	6,468.00	6,384.69	285.29	29.48	-67.05	-1,530.34	282.05	9,084.91	9,001.26	83.65	108.607		
16,800.00	6,964.93	6,468.00	6,384.69	288.13	29.48	-67.05	-1,530.34	282.05	9,183.73	9,100.04	83.69	109.740		
16,900.00	6,965.20	6,468.00	6,384.69	290.97	29.48	-67.05	-1,530.34	282.05	9,282.58	9,198.85	83.72	110.871		
17,000.00	6,965.46	6,468.00	6,384.69	293.81	29.48	-67.05	-1,530.34	282.05	9,381.45	9,297.69	83.76	112.000		
17,100.00	6,965.73	6,468.00	6,384.69	296.65	29.48	-67.05	-1,530.34	282.05	9,480.34	9,396.54	83.80	113.127		
17,200.00	6,966.00	6,468.00	6,384.69	299.49	29.48	-67.05	-1,530.34	282.05	9,579.26	9,495.42	83.84	114.252		
17,300.00	6,966.26	6,468.00	6,384.69	302.32	29.48	-67.05	-1,530.34	282.05	9,678.20	9,594.32	83.88	115.375		
17,400.00	6,966.53	6,468.00	6,384.69	305.16	29.48	-67.05	-1,530.34	282.05	9,777.16	9,693.24	83.93	116.495		
17,500.00	6,966.80	6,468.00	6,384.69	308.00	29.48	-67.05	-1,530.34	282.05	9,876.15	9,792.18	83.97	117.613		
17,600.00	6,967.06	6,468.00	6,384.69	310.85	29.48	-67.05	-1,530.34	282.05	9,975.15	9,891.13	84.02	118.729		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 3C-18-M - OH - OH		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	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)	Depth (ft)	Depth (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Separation (ft)	Factor					
0.00	0.00	0.00	0.00	3.28	0.00	138.75	-577.79	506.71	768.58								
100.00	100.00	87.81	87.81	3.28	0.20	138.72	-577.59	507.03	768.57	765.09	3.48	221.019	CC, ES				
200.00	200.00	177.02	177.00	3.34	0.47	138.63	-577.10	508.25	769.09	765.28	3.82	201.557					
300.00	299.98	255.48	255.39	3.44	0.82	38.49	-577.23	511.63	770.71	766.40	4.31	178.876					
400.00	399.84	329.00	328.70	3.60	1.16	38.37	-577.90	517.07	772.33	767.47	4.86	159.065					
500.00	499.45	407.87	407.10	3.80	1.52	38.27	-579.54	525.52	774.27	768.82	5.45	141.938					
600.00	598.70	481.55	480.00	4.05	1.86	38.23	-582.48	535.73	776.92	770.82	6.10	127.381					
700.00	697.47	559.04	556.34	4.33	2.21	38.32	-587.57	547.99	780.07	773.29	6.77	115.142					
803.50	799.05	644.84	640.59	4.67	2.62	38.65	-595.61	562.10	783.09	775.59	7.51	104.314					
900.00	893.41	728.54	722.58	5.02	3.04	39.18	-605.58	575.69	786.39	778.17	8.22	95.706					
1,000.00	991.20	818.75	810.75	5.41	3.48	39.93	-618.92	589.28	791.39	782.41	8.98	88.137					
1,100.00	1,088.99	922.00	911.57	5.81	3.99	41.14	-637.71	601.04	796.99	787.21	9.78	81.479					
1,200.00	1,186.78	1,044.02	1,030.78	6.23	4.56	43.11	-662.89	607.32	801.29	790.63	10.66	75.165					
1,300.00	1,284.57	1,148.35	1,132.51	6.67	5.02	45.21	-685.88	605.88	803.78	792.27	11.52	69.800					
1,400.00	1,382.36	1,232.90	1,214.34	7.12	5.40	47.17	-706.74	601.67	807.76	795.43	12.33	65.529					
1,500.00	1,480.15	1,314.55	1,292.70	7.57	5.77	49.19	-729.04	596.29	814.57	801.43	13.14	61.998					
1,600.00	1,577.94	1,399.06	1,373.28	8.03	6.16	51.34	-753.71	590.00	824.14	810.17	13.97	58.994					
1,700.00	1,675.73	1,484.52	1,454.47	8.50	6.57	53.52	-779.51	583.27	836.02	821.21	14.81	56.443					
1,800.00	1,773.52	1,570.86	1,536.13	8.98	7.00	55.71	-806.61	576.06	850.38	834.72	15.66	54.293					
1,900.00	1,871.31	1,668.00	1,627.93	9.45	7.50	58.14	-837.20	567.50	866.27	849.69	16.58	52.248					
2,000.00	1,969.10	1,772.93	1,727.44	9.94	8.05	60.66	-869.09	557.98	882.59	865.04	17.55	50.285					
2,100.00	2,066.88	1,855.00	1,805.51	10.42	8.49	62.54	-893.39	550.93	899.74	881.36	18.38	48.941					
2,200.00	2,164.67	1,927.76	1,874.54	10.91	8.89	64.08	-915.83	546.04	919.72	900.57	19.15	48.031					
2,300.00	2,262.46	2,013.10	1,955.15	11.40	9.37	65.71	-943.67	542.67	942.81	922.82	20.00	47.144					
2,400.00	2,360.25	2,109.21	2,046.04	11.89	9.91	67.41	-974.75	539.76	966.68	945.75	20.93	46.178					
2,500.00	2,458.04	2,215.91	2,147.25	12.39	10.52	69.18	-1,008.45	536.98	990.64	968.69	21.96	45.120					
2,600.00	2,555.83	2,312.12	2,238.82	12.88	11.06	70.67	-1,037.87	534.76	1,014.35	991.45	22.90	44.299					
2,700.00	2,653.62	2,402.37	2,324.66	13.38	11.57	72.04	-1,065.59	532.18	1,038.77	1,014.97	23.79	43.657					
2,800.00	2,751.41	2,505.05	2,422.31	13.88	12.15	73.61	-1,097.03	527.75	1,063.67	1,038.88	24.80	42.898					
2,900.00	2,849.20	2,597.23	2,510.15	14.38	12.67	74.91	-1,124.83	524.61	1,088.76	1,063.04	25.71	42.345					
3,000.00	2,946.99	2,687.59	2,596.21	14.88	13.18	76.09	-1,152.25	522.32	1,114.58	1,087.96	26.61	41.878					
3,100.00	3,044.78	2,778.14	2,682.39	15.38	13.69	77.18	-1,179.99	520.70	1,141.15	1,113.63	27.52	41.464					
3,200.00	3,142.57	2,868.15	2,767.97	15.89	14.21	78.27	-1,207.79	518.34	1,168.42	1,140.00	28.43	41.105					
3,300.00	3,240.36	2,952.57	2,848.06	16.39	14.69	79.31	-1,234.21	514.64	1,196.62	1,167.34	29.28	40.870					
3,400.00	3,338.15	3,035.83	2,926.86	16.89	15.17	80.29	-1,260.90	511.22	1,225.99	1,195.87	30.12	40.702					
3,500.00	3,435.93	3,133.78	3,019.42	17.40	15.74	81.38	-1,292.68	507.43	1,256.14	1,225.03	31.11	40.380					
3,600.00	3,533.72	3,228.33	3,108.96	17.90	16.29	82.35	-1,322.91	504.44	1,286.12	1,254.05	32.06	40.111					
3,700.00	3,631.51	3,318.18	3,194.01	18.41	16.82	83.25	-1,351.74	501.34	1,316.57	1,283.59	32.98	39.926					
3,800.00	3,729.30	3,438.76	3,308.38	18.92	17.51	84.44	-1,389.55	496.10	1,346.82	1,312.63	34.18	39.398					
3,900.00	3,827.09	3,549.57	3,414.12	19.42	18.14	85.45	-1,422.49	492.45	1,375.57	1,340.28	35.29	38.978					
4,000.00	3,924.88	3,654.81	3,514.91	19.93	18.73	86.30	-1,452.68	490.56	1,403.33	1,366.99	36.34	38.613					
4,100.00	4,022.67	3,742.11	3,598.51	20.44	19.22	86.99	-1,477.78	488.89	1,431.43	1,394.20	37.23	38.446					
4,200.00	4,120.46	3,843.10	3,695.16	20.95	19.79	87.80	-1,506.88	485.61	1,460.08	1,421.84	38.25	38.174					
4,300.00	4,218.25	3,932.31	3,780.81	21.46	20.29	88.51	-1,531.65	482.66	1,487.98	1,448.82	39.15	38.003					
4,400.00	4,316.04	3,992.00	3,837.75	21.97	20.63	88.97	-1,549.40	480.35	1,518.02	1,478.25	39.77	38.165					
4,500.00	4,413.83	4,048.61	3,891.35	22.48	20.96	89.39	-1,567.44	477.84	1,550.44	1,510.09	40.35	38.425					
4,600.00	4,511.62	4,111.16	3,950.15	22.99	21.33	89.85	-1,588.56	474.78	1,585.00	1,544.03	40.97	38.685					
4,700.00	4,609.41	4,177.00	4,011.67	23.50	21.73	90.31	-1,611.77	471.49	1,621.25	1,579.63	41.62	38.951					
4,800.00	4,707.20	4,250.96	4,080.41	24.01	22.18	90.81	-1,638.80	467.84	1,658.88	1,616.51	42.37	39.153					
4,900.00	4,804.98	4,352.13	4,174.23	24.52	22.81	91.43	-1,676.40	463.24	1,697.15	1,653.71	43.44	39.066					
5,000.00	4,902.77	4,462.74	4,277.23	25.03	23.49	92.07	-1,716.48	458.78	1,734.54	1,689.91	44.63	38.869					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 3C-18-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,000.56	4,574.22	4,381.44	25.54	24.17	92.68	-1,755.85	454.63	1,771.10	1,725.30	45.81	38.662		
5,200.00	5,098.35	4,690.58	4,490.78	26.05	24.87	93.29	-1,795.44	450.76	1,806.42	1,759.38	47.04	38.403		
5,300.00	5,196.14	4,802.74	4,596.56	26.56	25.53	93.86	-1,832.58	447.06	1,841.03	1,792.82	48.21	38.186		
5,400.00	5,293.93	4,925.79	4,713.16	27.07	26.26	94.46	-1,871.71	443.48	1,874.39	1,824.91	49.49	37.876		
5,500.00	5,391.72	5,068.05	4,848.91	27.58	27.07	95.11	-1,914.13	440.52	1,905.69	1,854.76	50.93	37.419		
5,600.00	5,489.51	5,163.57	4,940.51	28.09	27.60	95.57	-1,941.09	437.96	1,935.83	1,883.93	51.91	37.295		
5,700.00	5,587.30	5,253.03	5,026.18	28.61	28.11	95.97	-1,966.75	435.60	1,966.50	1,913.67	52.83	37.226		
5,800.00	5,685.09	5,344.34	5,113.58	29.12	28.62	96.36	-1,993.10	433.69	1,997.26	1,943.50	53.77	37.147		
5,900.00	5,782.88	5,502.31	5,265.16	29.63	29.51	96.97	-2,037.54	431.89	2,027.37	1,972.05	55.32	36.649		
6,000.00	5,880.67	5,591.70	5,351.33	30.14	29.99	97.30	-2,061.26	431.73	2,055.53	1,999.29	56.24	36.551		
6,100.00	5,978.46	5,669.00	5,425.74	30.65	30.42	97.58	-2,082.21	431.32	2,084.38	2,027.33	57.05	36.536		
6,200.00	6,076.25	5,762.69	5,515.79	31.17	30.94	97.90	-2,108.06	430.87	2,113.74	2,055.73	58.01	36.437		
6,298.86	6,172.92	5,814.25	5,565.22	31.67	31.23	98.07	-2,122.73	430.37	2,143.76	2,085.18	58.58	36.597		
6,300.00	6,174.03	5,814.85	5,565.79	31.68	31.23	98.02	-2,122.90	430.36	2,144.11	2,085.53	58.58	36.600		
6,350.00	6,223.30	5,857.00	5,606.03	31.92	31.47	93.33	-2,135.40	429.25	2,159.49	2,100.49	59.00	36.599		
6,400.00	6,273.06	5,916.38	5,662.79	32.13	31.81	73.17	-2,152.71	427.10	2,173.64	2,114.08	59.56	36.494		
6,450.00	6,323.01	5,971.63	5,715.88	32.32	32.12	-16.25	-2,167.83	424.82	2,185.57	2,125.52	60.05	36.397		
6,500.00	6,372.84	5,998.15	5,741.30	32.48	32.27	-47.66	-2,175.30	423.71	2,196.47	2,136.23	60.24	36.462		
6,550.00	6,422.24	6,024.38	5,766.37	32.65	32.41	-54.72	-2,182.96	422.62	2,206.38	2,145.96	60.43	36.513		
6,600.00	6,470.92	6,052.58	5,793.22	32.83	32.57	-57.47	-2,191.48	421.45	2,215.26	2,154.62	60.64	36.531		
6,650.00	6,518.56	6,089.51	5,828.32	33.01	32.79	-58.97	-2,202.87	419.96	2,222.94	2,161.98	60.96	36.467		
6,700.00	6,564.89	6,700.00	5,922.22	33.21	36.25	-60.67	-2,232.63	416.70	2,228.79	2,164.27	64.52	34.543		
6,750.00	6,609.60	6,268.08	5,998.93	33.43	33.81	-62.13	-2,255.21	414.98	2,232.09	2,169.40	62.69	35.604		
6,800.00	6,652.43	6,291.38	6,021.27	33.66	33.94	-62.83	-2,261.80	414.64	2,234.15	2,171.20	62.95	35.491		
6,850.00	6,693.10	6,325.00	6,053.41	33.91	34.12	-63.68	-2,271.67	414.16	2,235.41	2,172.07	63.34	35.294		
6,900.00	6,731.38	6,325.00	6,053.41	34.20	34.12	-63.96	-2,271.67	414.16	2,235.81	2,172.39	63.43	35.250		
6,950.00	6,767.02	6,356.48	6,083.41	34.51	34.31	-64.80	-2,281.23	413.69	2,235.45	2,171.58	63.87	34.999		
7,000.00	6,799.81	6,376.19	6,102.14	34.85	34.42	-65.47	-2,287.34	413.36	2,234.45	2,170.21	64.24	34.781		
7,050.00	6,829.54	6,394.13	6,119.16	35.24	34.53	-66.13	-2,293.00	413.03	2,232.86	2,168.21	64.65	34.539		
7,100.00	6,856.03	6,418.00	6,141.76	35.66	34.66	-66.96	-2,300.66	412.57	2,230.77	2,165.60	65.17	34.230		
7,150.00	6,879.11	6,427.01	6,150.28	36.12	34.72	-67.49	-2,303.58	412.39	2,228.19	2,162.60	65.59	33.970		
7,200.00	6,898.65	6,444.21	6,166.55	36.62	34.82	-68.22	-2,309.17	412.03	2,225.24	2,159.07	66.17	33.631		
7,250.00	6,914.51	6,458.39	6,179.95	37.15	34.90	-68.91	-2,313.79	411.74	2,221.97	2,155.20	66.77	33.279		
7,300.00	6,926.62	6,469.44	6,190.39	37.73	34.97	-69.53	-2,317.40	411.51	2,218.47	2,151.08	67.39	32.918		
7,350.00	6,934.88	6,477.32	6,197.83	38.34	35.02	-70.07	-2,319.98	411.34	2,214.82	2,146.78	68.04	32.552		
7,400.00	6,939.26	6,481.95	6,202.21	38.97	35.04	-70.53	-2,321.50	411.25	2,211.08	2,142.38	68.70	32.185		
7,429.12	6,940.00	6,483.14	6,203.33	39.34	35.05	-70.75	-2,321.89	411.22	2,208.88	2,139.79	69.09	31.973		
7,500.00	6,940.19	6,484.69	6,204.79	40.31	35.06	-70.79	-2,322.40	411.19	2,204.64	2,134.57	70.07	31.465		
7,596.71	6,940.45	6,486.80	6,206.79	41.75	35.07	-70.85	-2,323.09	411.14	2,202.52	2,130.99	71.52	30.794		
7,600.00	6,940.46	6,486.88	6,206.86	41.80	35.07	-70.85	-2,323.11	411.14	2,202.52	2,130.95	71.57	30.773		
7,700.00	6,940.72	6,489.07	6,208.93	43.43	35.09	-70.91	-2,323.83	411.09	2,204.94	2,131.74	73.19	30.125		
7,800.00	6,940.99	6,491.27	6,211.01	45.19	35.10	-70.96	-2,324.56	411.05	2,211.87	2,136.98	74.89	29.533		
7,900.00	6,941.25	6,493.48	6,213.09	47.05	35.11	-71.02	-2,325.28	411.00	2,223.29	2,146.64	76.65	29.006		
8,000.00	6,941.52	6,495.69	6,215.18	49.02	35.13	-71.08	-2,326.01	410.95	2,239.11	2,160.68	78.43	28.549		
8,100.00	6,941.79	6,497.91	6,217.27	51.06	35.14	-71.13	-2,326.74	410.91	2,259.26	2,179.04	80.22	28.165		
8,200.00	6,942.05	6,500.13	6,219.37	53.18	35.15	-71.19	-2,327.47	410.86	2,283.60	2,201.62	81.98	27.856		
8,300.00	6,942.32	6,502.36	6,221.48	55.37	35.16	-71.25	-2,328.20	410.81	2,312.02	2,228.31	83.71	27.621		
8,400.00	6,942.58	6,504.60	6,223.59	57.62	35.18	-71.31	-2,328.94	410.76	2,344.35	2,258.98	85.38	27.458		
8,500.00	6,942.85	6,506.84	6,225.71	59.92	35.19	-71.37	-2,329.68	410.71	2,380.45	2,293.47	86.99	27.365		
8,600.00	6,943.12	6,509.08	6,227.83	62.26	35.20	-71.43	-2,330.42	410.67	2,420.15	2,331.62	88.53	27.338 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	6,511.34	6,229.96	64.65	35.22	-71.48	-2,331.16	410.62	2,463.26	2,373.28	89.99	27.374		
8,800.00	6,943.65	6,513.41	6,231.91	67.08	35.23	-71.54	-2,331.84	410.57	2,509.62	2,418.26	91.36	27.469		
8,900.00	6,943.91	6,515.51	6,233.90	69.53	35.24	-71.59	-2,332.53	410.53	2,559.04	2,466.39	92.65	27.619		
9,000.00	6,944.18	6,517.60	6,235.86	72.02	35.26	-71.65	-2,333.22	410.48	2,611.36	2,517.50	93.86	27.821		
9,100.00	6,944.45	6,519.66	6,237.81	74.54	35.27	-71.70	-2,333.90	410.44	2,666.40	2,571.41	94.99	28.070		
9,200.00	6,944.71	6,521.70	6,239.74	77.07	35.28	-71.75	-2,334.58	410.40	2,724.00	2,627.97	96.04	28.364		
9,300.00	6,944.98	6,523.72	6,241.64	79.63	35.29	-71.81	-2,335.24	410.36	2,784.00	2,686.99	97.01	28.698		
9,400.00	6,945.24	6,525.72	6,243.53	82.21	35.30	-71.86	-2,335.90	410.31	2,846.25	2,748.34	97.91	29.070		
9,500.00	6,945.51	6,527.70	6,245.39	84.81	35.32	-71.91	-2,336.55	410.27	2,910.60	2,811.86	98.74	29.477		
9,600.00	6,945.78	6,529.65	6,247.24	87.43	35.33	-71.96	-2,337.20	410.23	2,976.92	2,877.41	99.51	29.917		
9,700.00	6,946.04	6,531.59	6,249.06	90.05	35.34	-72.01	-2,337.84	410.19	3,045.08	2,944.86	100.21	30.386		
9,800.00	6,946.31	6,533.50	6,250.87	92.70	35.35	-72.06	-2,338.47	410.16	3,114.95	3,014.09	100.86	30.883		
9,900.00	6,946.57	6,535.40	6,252.66	95.35	35.36	-72.11	-2,339.10	410.12	3,186.43	3,084.97	101.46	31.406		
10,000.00	6,946.84	6,537.27	6,254.43	98.02	35.37	-72.16	-2,339.72	410.08	3,259.41	3,157.40	102.01	31.952		
10,100.00	6,947.11	6,539.13	6,256.18	100.70	35.38	-72.21	-2,340.33	410.04	3,333.79	3,231.27	102.52	32.519		
10,200.00	6,947.37	6,540.97	6,257.92	103.38	35.39	-72.25	-2,340.94	410.01	3,409.48	3,306.50	102.98	33.107		
10,300.00	6,947.64	6,542.79	6,259.63	106.08	35.41	-72.30	-2,341.55	409.97	3,486.39	3,382.98	103.41	33.714		
10,400.00	6,947.90	6,544.59	6,261.33	108.78	35.42	-72.35	-2,342.14	409.94	3,564.45	3,460.65	103.80	34.338		
10,500.00	6,948.17	6,546.37	6,263.02	111.49	35.43	-72.39	-2,342.73	409.90	3,643.58	3,539.42	104.17	34.978		
10,600.00	6,948.44	6,548.14	6,264.68	114.21	35.44	-72.44	-2,343.32	409.87	3,723.72	3,619.21	104.50	35.633		
10,700.00	6,948.70	6,549.89	6,266.33	116.94	35.45	-72.49	-2,343.90	409.84	3,804.79	3,699.98	104.81	36.302		
10,800.00	6,948.97	6,551.62	6,267.96	119.67	35.46	-72.53	-2,344.47	409.80	3,886.74	3,781.65	105.09	36.984		
10,900.00	6,949.24	6,553.33	6,269.58	122.41	35.47	-72.58	-2,345.04	409.77	3,969.52	3,864.17	105.35	37.678		
11,000.00	6,949.50	6,555.03	6,271.18	125.15	35.48	-72.62	-2,345.60	409.74	4,053.08	3,947.48	105.60	38.383		
11,100.00	6,949.77	6,556.71	6,272.77	127.90	35.49	-72.66	-2,346.16	409.71	4,137.36	4,031.54	105.82	39.098		
11,200.00	6,950.03	6,558.38	6,274.34	130.65	35.50	-72.71	-2,346.71	409.68	4,222.33	4,116.30	106.03	39.823		
11,300.00	6,950.30	6,560.03	6,275.89	133.41	35.51	-72.75	-2,347.26	409.65	4,307.94	4,201.72	106.22	40.557		
11,400.00	6,950.57	6,561.66	6,277.43	136.17	35.52	-72.79	-2,347.80	409.62	4,394.16	4,287.77	106.40	41.300		
11,500.00	6,950.83	6,563.28	6,278.96	138.94	35.53	-72.83	-2,348.34	409.59	4,480.96	4,374.39	106.56	42.050		
11,600.00	6,951.10	6,564.88	6,280.47	141.71	35.54	-72.88	-2,348.87	409.56	4,568.29	4,461.57	106.72	42.808		
11,700.00	6,951.36	6,566.46	6,281.97	144.48	35.55	-72.92	-2,349.39	409.53	4,656.13	4,549.27	106.86	43.573		
11,800.00	6,951.63	6,568.04	6,283.45	147.26	35.56	-72.96	-2,349.92	409.50	4,744.45	4,637.46	106.99	44.344		
11,900.00	6,951.90	6,569.59	6,284.92	150.03	35.56	-73.00	-2,350.43	409.47	4,833.23	4,726.11	107.12	45.121		
12,000.00	6,952.16	6,571.14	6,286.37	152.82	35.57	-73.04	-2,350.95	409.45	4,922.43	4,815.20	107.23	45.904		
12,100.00	6,952.43	6,572.67	6,287.81	155.60	35.58	-73.08	-2,351.45	409.42	5,012.04	4,904.70	107.34	46.692		
12,200.00	6,952.69	6,574.18	6,289.24	158.39	35.59	-73.12	-2,351.96	409.39	5,102.04	4,994.60	107.45	47.485		
12,300.00	6,952.96	6,575.68	6,290.66	161.18	35.60	-73.16	-2,352.46	409.37	5,192.40	5,084.86	107.54	48.283		
12,400.00	6,953.23	6,577.17	6,292.06	163.97	35.61	-73.19	-2,352.95	409.34	5,283.11	5,175.48	107.63	49.085		
12,500.00	6,953.49	6,578.64	6,293.45	166.77	35.62	-73.23	-2,353.44	409.32	5,374.15	5,266.43	107.72	49.891		
12,600.00	6,953.76	6,580.10	6,294.83	169.56	35.63	-73.27	-2,353.93	409.29	5,465.51	5,357.71	107.80	50.701		
12,700.00	6,954.02	6,581.55	6,296.19	172.36	35.64	-73.31	-2,354.41	409.27	5,557.15	5,449.28	107.88	51.514		
12,800.00	6,954.29	6,582.98	6,297.54	175.16	35.64	-73.35	-2,354.89	409.24	5,649.09	5,541.14	107.95	52.331		
12,900.00	6,954.56	6,584.40	6,298.88	177.97	35.65	-73.38	-2,355.36	409.22	5,741.29	5,633.27	108.02	53.151		
13,000.00	6,954.82	6,585.81	6,300.21	180.77	35.66	-73.42	-2,355.83	409.20	5,833.74	5,725.66	108.09	53.973		
13,100.00	6,955.09	6,587.21	6,301.53	183.58	35.67	-73.46	-2,356.29	409.17	5,926.45	5,818.30	108.15	54.799		
13,200.00	6,955.35	6,588.59	6,302.83	186.38	35.68	-73.49	-2,356.75	409.15	6,019.38	5,911.17	108.21	55.627		
13,300.00	6,955.62	6,589.96	6,304.12	189.19	35.69	-73.53	-2,357.21	409.13	6,112.54	6,004.27	108.27	56.457		
13,400.00	6,955.89	6,591.32	6,305.41	192.00	35.69	-73.56	-2,357.66	409.10	6,205.91	6,097.58	108.32	57.290		
13,500.00	6,956.15	6,592.67	6,306.68	194.82	35.70	-73.60	-2,358.11	409.08	6,299.48	6,191.10	108.38	58.125		
13,600.00	6,956.42	6,603.00	6,316.41	197.63	35.76	-73.86	-2,361.56	408.92	6,393.26	6,284.71	108.55	58.899		
13,700.00	6,956.68	6,603.00	6,316.41	200.44	35.76	-73.86	-2,361.56	408.92	6,487.21	6,378.63	108.58	59.746		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 3C-18-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,603.00	6,316.41	203.26	35.76	-73.86	-2,361.56	408.92	6,581.34	6,472.73	108.61	60.594		
13,900.00	6,957.22	6,603.00	6,316.41	206.08	35.76	-73.86	-2,361.56	408.92	6,675.64	6,566.99	108.64	61.445		
14,000.00	6,957.48	6,603.00	6,316.41	208.89	35.76	-73.86	-2,361.56	408.92	6,770.10	6,661.43	108.67	62.297		
14,100.00	6,957.75	6,603.00	6,316.41	211.71	35.76	-73.86	-2,361.56	408.92	6,864.72	6,756.02	108.70	63.150		
14,200.00	6,958.02	6,603.00	6,316.41	214.53	35.76	-73.86	-2,361.56	408.92	6,959.49	6,850.76	108.73	64.005		
14,300.00	6,958.28	6,603.11	6,316.52	217.36	35.76	-73.87	-2,361.60	408.92	7,054.41	6,945.64	108.76	64.861		
14,400.00	6,958.55	6,606.10	6,319.34	220.18	35.78	-73.95	-2,362.59	408.87	7,149.46	7,040.63	108.83	65.695		
14,500.00	6,958.81	6,609.08	6,322.15	223.00	35.80	-74.02	-2,363.58	408.82	7,244.64	7,135.75	108.89	66.530		
14,600.00	6,959.08	6,612.05	6,324.94	225.83	35.82	-74.10	-2,364.57	408.78	7,339.96	7,231.00	108.96	67.366		
14,700.00	6,959.35	6,615.01	6,327.73	228.65	35.83	-74.18	-2,365.55	408.73	7,435.39	7,326.37	109.02	68.202		
14,800.00	6,959.61	6,617.95	6,330.51	231.48	35.85	-74.25	-2,366.53	408.69	7,530.94	7,421.86	109.08	69.038		
14,900.00	6,959.88	6,620.88	6,333.28	234.30	35.87	-74.33	-2,367.50	408.64	7,626.61	7,517.46	109.15	69.875		
15,000.00	6,960.14	6,623.81	6,336.04	237.13	35.89	-74.40	-2,368.46	408.60	7,722.39	7,613.18	109.21	70.712		
15,100.00	6,960.41	6,626.72	6,338.79	239.96	35.90	-74.48	-2,369.42	408.55	7,818.27	7,709.00	109.27	71.549		
15,200.00	6,960.68	6,629.62	6,341.53	242.79	35.92	-74.55	-2,370.38	408.51	7,914.25	7,804.91	109.33	72.387		
15,300.00	6,960.94	6,632.51	6,344.26	245.62	35.94	-74.63	-2,371.33	408.46	8,010.33	7,900.93	109.39	73.224		
15,400.00	6,961.21	6,635.39	6,346.98	248.45	35.96	-74.70	-2,372.27	408.42	8,106.50	7,997.04	109.46	74.062		
15,500.00	6,961.47	6,638.26	6,349.69	251.28	35.97	-74.78	-2,373.21	408.38	8,202.76	8,093.25	109.52	74.899		
15,600.00	6,961.74	6,641.12	6,352.39	254.11	35.99	-74.85	-2,374.15	408.33	8,299.12	8,189.54	109.58	75.737		
15,700.00	6,962.01	6,643.97	6,355.08	256.94	36.01	-74.93	-2,375.08	408.29	8,395.55	8,285.91	109.64	76.574		
15,800.00	6,962.27	6,646.81	6,357.76	259.77	36.02	-75.00	-2,376.00	408.25	8,492.07	8,382.37	109.70	77.411		
15,900.00	6,962.54	6,649.63	6,360.44	262.61	36.04	-75.07	-2,376.92	408.21	8,588.67	8,478.91	109.76	78.247		
16,000.00	6,962.80	6,652.45	6,363.10	265.44	36.06	-75.15	-2,377.83	408.16	8,685.34	8,575.52	109.82	79.084		
16,100.00	6,963.07	6,655.26	6,365.75	268.28	36.07	-75.22	-2,378.74	408.12	8,782.09	8,672.20	109.89	79.920		
16,200.00	6,963.34	6,658.05	6,368.40	271.11	36.09	-75.29	-2,379.65	408.08	8,878.91	8,768.96	109.95	80.756		
16,300.00	6,963.60	6,660.84	6,371.04	273.95	36.11	-75.36	-2,380.55	408.04	8,975.80	8,865.79	110.01	81.591		
16,400.00	6,963.87	6,663.61	6,373.66	276.78	36.12	-75.43	-2,381.45	408.00	9,072.75	8,962.68	110.07	82.426		
16,500.00	6,964.13	6,666.38	6,376.28	279.62	36.14	-75.51	-2,382.34	407.96	9,169.77	9,059.64	110.13	83.261		
16,600.00	6,964.40	6,669.13	6,378.89	282.46	36.15	-75.58	-2,383.22	407.91	9,266.86	9,156.66	110.20	84.094		
16,700.00	6,964.67	6,671.88	6,381.49	285.29	36.17	-75.65	-2,384.10	407.87	9,364.00	9,253.74	110.26	84.928		
16,800.00	6,964.93	6,674.62	6,384.08	288.13	36.19	-75.72	-2,384.98	407.83	9,461.20	9,350.88	110.32	85.761		
16,900.00	6,965.20	6,677.34	6,386.66	290.97	36.20	-75.79	-2,385.85	407.79	9,558.46	9,448.08	110.38	86.593		
17,000.00	6,965.46	6,680.06	6,389.24	293.81	36.22	-75.86	-2,386.72	407.75	9,655.78	9,545.33	110.45	87.424		
17,100.00	6,965.73	6,682.76	6,391.80	296.65	36.24	-75.93	-2,387.59	407.71	9,753.15	9,642.64	110.51	88.255		
17,200.00	6,966.00	6,685.46	6,394.36	299.49	36.25	-76.00	-2,388.45	407.67	9,850.57	9,739.99	110.57	89.085		
17,300.00	6,966.26	6,688.15	6,396.90	302.32	36.27	-76.07	-2,389.30	407.64	9,948.04	9,837.40	110.64	89.914		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	135.58	-517.68	507.26	724.86					
100.00	100.00	84.86	84.86	3.28	3.29	135.60	-517.99	507.28	725.03	718.46	6.57	110.352		
200.00	200.00	180.21	180.20	3.34	3.30	135.66	-519.10	507.37	725.92	719.28	6.64	109.300		
300.00	299.98	284.27	284.24	3.44	3.36	35.82	-520.68	507.55	725.73	718.92	6.81	106.635		
400.00	399.84	390.00	389.98	3.60	3.49	36.09	-520.47	507.94	721.60	714.51	7.09	101.804		
500.00	499.45	491.78	491.75	3.80	3.66	36.57	-519.98	507.98	714.24	706.78	7.46	95.740		
600.00	598.70	578.17	578.14	4.05	3.84	37.16	-519.87	508.46	704.77	696.89	7.88	89.443		
700.00	697.47	664.21	664.12	4.33	4.04	37.74	-519.55	511.75	694.62	686.25	8.37	83.019		
803.50	799.05	753.35	753.01	4.67	4.29	38.31	-518.62	518.28	683.20	674.27	8.93	76.465		
900.00	893.41	839.24	838.42	5.02	4.54	38.64	-517.51	527.14	672.97	663.45	9.52	70.699		
1,000.00	991.20	935.67	934.20	5.41	4.84	38.94	-516.47	538.38	663.45	653.26	10.18	65.149		
1,100.00	1,088.99	1,043.48	1,041.52	5.81	5.20	39.55	-516.89	548.48	653.56	642.65	10.92	59.872		
1,200.00	1,186.78	1,163.68	1,161.56	6.23	5.62	40.68	-518.26	554.30	641.44	629.73	11.72	54.741		
1,300.00	1,284.57	1,278.05	1,275.92	6.67	6.02	42.08	-518.59	555.23	626.31	613.80	12.51	50.062		
1,400.00	1,382.36	1,379.29	1,377.16	7.12	6.37	43.42	-517.87	554.86	610.01	596.72	13.28	45.919		
1,500.00	1,480.15	1,475.59	1,473.45	7.57	6.72	44.81	-517.49	554.01	593.99	579.92	14.06	42.232		
1,600.00	1,577.94	1,570.80	1,568.66	8.03	7.07	46.26	-517.30	553.34	578.61	563.75	14.86	38.934		
1,700.00	1,675.73	1,667.87	1,665.73	8.50	7.44	47.73	-517.04	553.63	564.11	548.43	15.68	35.971		
1,800.00	1,773.52	1,767.23	1,765.08	8.98	7.83	49.29	-516.38	553.82	549.63	533.10	16.52	33.262		
1,900.00	1,871.31	1,868.80	1,866.65	9.45	8.23	50.95	-515.61	554.26	535.61	518.23	17.38	30.812		
2,000.00	1,969.10	1,990.67	1,988.40	9.94	8.72	52.84	-510.53	554.82	519.11	500.84	18.28	28.404		
2,100.00	2,066.88	2,113.38	2,110.62	10.42	9.21	54.84	-499.82	553.09	498.18	479.05	19.13	26.039		
2,200.00	2,164.67	2,224.52	2,220.84	10.91	9.66	56.91	-486.13	549.10	473.61	453.65	19.97	23.720		
2,300.00	2,262.46	2,325.70	2,320.86	11.40	10.07	58.78	-471.20	546.40	447.73	426.92	20.82	21.509		
2,400.00	2,360.25	2,433.60	2,427.01	11.89	10.52	60.66	-451.90	544.99	419.94	398.32	21.63	19.418		
2,500.00	2,458.04	2,541.13	2,531.99	12.39	10.97	62.36	-428.68	545.48	389.74	367.34	22.40	17.396		
2,600.00	2,555.83	2,647.60	2,635.01	12.88	11.42	64.11	-401.83	546.15	356.51	333.37	23.14	15.406		
2,700.00	2,653.62	2,744.79	2,728.31	13.38	11.83	65.80	-374.62	547.35	321.15	297.20	23.96	13.406		
2,800.00	2,751.41	2,842.87	2,822.30	13.88	12.27	68.21	-346.62	547.18	285.25	260.51	24.75	11.527		
2,900.00	2,849.20	2,937.62	2,912.67	14.38	12.69	71.47	-318.19	545.60	248.17	222.57	25.60	9.694		
3,000.00	2,946.99	3,030.05	3,000.71	14.88	13.12	75.98	-290.14	543.21	211.56	185.02	26.54	7.971		
3,100.00	3,044.78	3,120.97	3,087.26	15.38	13.54	82.06	-262.37	541.10	176.39	148.79	27.60	6.392		
3,200.00	3,142.57	3,212.80	3,174.78	15.89	13.97	91.13	-234.70	538.35	144.42	115.69	28.73	5.027		
3,300.00	3,240.36	3,303.52	3,261.29	16.39	14.40	103.32	-207.39	537.49	117.14	87.12	30.02	3.902		
3,400.00	3,338.15	3,395.67	3,349.56	16.89	14.84	120.55	-180.98	536.45	99.54	68.29	31.25	3.185		
3,490.46	3,426.61	3,479.64	3,430.25	17.35	15.24	138.46	-157.76	537.51	93.53	61.46	32.07	2.916 CC, ES		
3,500.00	3,435.93	3,488.35	3,438.64	17.40	15.28	140.36	-155.41	537.60	93.60	61.46	32.14	2.913 SF		
3,600.00	3,533.72	3,580.10	3,527.11	17.90	15.72	159.29	-131.13	537.70	102.35	69.74	32.61	3.139		
3,700.00	3,631.51	3,671.25	3,614.85	18.41	16.15	174.34	-106.49	536.23	123.13	90.17	32.96	3.736		
3,800.00	3,729.30	3,763.00	3,703.44	18.92	16.60	-175.57	-82.78	533.57	151.23	117.74	33.49	4.516		
3,900.00	3,827.09	3,856.63	3,793.22	19.42	17.05	-167.73	-56.32	531.22	183.10	148.88	34.22	5.351		
4,000.00	3,924.88	3,950.46	3,882.54	19.93	17.52	-161.32	-27.58	531.36	216.11	181.08	35.02	6.171		
4,100.00	4,022.67	4,043.66	3,970.83	20.44	17.99	-156.22	2.27	532.57	250.76	214.91	35.85	6.994		
4,200.00	4,120.46	4,138.44	4,060.93	20.95	18.46	-152.42	31.61	534.25	285.78	249.01	36.78	7.771		
4,300.00	4,218.25	4,233.02	4,151.55	21.46	18.93	-149.91	58.66	535.01	320.88	283.17	37.71	8.510		
4,400.00	4,316.04	4,327.17	4,242.17	21.97	19.40	-148.16	84.18	535.12	355.93	317.30	38.62	9.215		
4,500.00	4,413.83	4,416.43	4,328.32	22.48	19.84	-146.99	107.56	534.35	391.29	351.89	39.41	9.929		
4,600.00	4,511.62	4,503.09	4,411.61	22.99	20.27	-146.00	131.41	532.62	428.42	388.28	40.13	10.675		
4,700.00	4,609.41	4,593.15	4,498.22	23.50	20.72	-145.27	155.92	529.63	466.33	425.37	40.96	11.385		
4,800.00	4,707.20	4,684.02	4,585.32	24.01	21.18	-144.51	181.70	526.98	504.84	463.02	41.82	12.072		
4,900.00	4,804.98	4,776.08	4,673.68	24.52	21.65	-143.90	207.36	524.13	543.17	500.46	42.71	12.717		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,865.97	4,759.54	25.03	22.11	-143.25	233.84	521.73	582.36	538.80	43.56	13.370		
5,100.00	5,000.56	4,969.96	4,859.03	25.54	22.64	-142.46	264.09	521.11	619.99	575.26	44.73	13.860		
5,200.00	5,098.35	5,059.59	4,944.98	26.05	23.09	-141.94	289.49	520.04	657.59	612.02	45.57	14.429		
5,300.00	5,196.14	5,153.33	5,034.99	26.56	23.57	-141.52	315.62	518.40	695.25	648.75	46.50	14.951		
5,400.00	5,293.93	5,249.44	5,127.42	27.07	24.06	-141.19	341.88	516.44	732.73	685.25	47.48	15.433		
5,500.00	5,391.72	5,355.56	5,229.61	27.58	24.59	-140.81	370.45	515.44	769.28	720.64	48.64	15.817		
5,600.00	5,489.51	5,446.55	5,317.73	28.09	25.05	-140.61	393.12	514.52	804.44	754.94	49.50	16.251		
5,700.00	5,587.30	5,525.03	5,393.47	28.61	25.45	-140.47	413.59	512.59	841.30	791.16	50.14	16.779		
5,800.00	5,685.09	5,611.75	5,476.98	29.12	25.89	-140.33	436.83	509.87	879.13	828.20	50.93	17.260		
5,900.00	5,782.88	5,701.35	5,563.19	29.63	26.34	-140.23	460.95	506.35	917.54	865.76	51.78	17.719		
6,000.00	5,880.67	5,796.87	5,655.24	30.14	26.83	-140.15	486.21	502.63	955.59	902.84	52.74	18.117		
6,100.00	5,978.46	5,876.25	5,731.43	30.65	27.24	-140.02	508.31	499.91	994.36	940.94	53.42	18.616		
6,200.00	6,076.25	5,964.97	5,816.25	31.17	27.70	-139.82	534.17	497.20	1,033.85	979.59	54.27	19.052		
6,298.86	6,172.92	6,064.33	5,911.21	31.67	28.22	-139.59	563.32	494.66	1,072.77	1,017.45	55.32	19.393		
6,300.00	6,174.03	6,065.93	5,912.74	31.68	28.22	-139.71	563.78	494.62	1,073.21	1,017.87	55.34	19.394		
6,350.00	6,223.30	6,137.12	5,981.03	31.92	28.59	-146.87	583.86	493.65	1,090.90	1,034.70	56.21	19.409		
6,400.00	6,273.06	6,185.48	6,027.59	32.13	28.84	-168.98	596.93	493.30	1,105.58	1,048.92	56.66	19.513		
6,450.00	6,323.01	6,229.84	6,070.34	32.32	29.07	100.17	608.72	492.55	1,117.97	1,060.94	57.03	19.603		
6,500.00	6,372.84	6,268.27	6,107.39	32.48	29.26	67.67	618.93	491.62	1,128.15	1,070.86	57.29	19.691		
6,550.00	6,422.24	6,304.02	6,141.73	32.65	29.45	59.89	628.79	490.65	1,136.38	1,078.87	57.51	19.760		
6,600.00	6,470.92	6,339.98	6,176.17	32.83	29.63	56.81	639.09	489.60	1,142.73	1,084.99	57.73	19.793		
6,650.00	6,518.56	6,381.81	6,216.15	33.01	29.85	55.56	651.30	488.29	1,147.08	1,089.00	58.08	19.751		
6,700.00	6,564.89	6,422.57	6,255.09	33.21	30.07	55.21	663.29	486.93	1,149.42	1,090.99	58.43	19.673		
6,750.00	6,609.60	6,499.45	6,328.66	33.43	30.47	56.45	685.51	485.40	1,149.28	1,089.84	59.43	19.337		
6,800.00	6,652.43	6,549.40	6,376.66	33.66	30.72	57.54	699.34	485.48	1,146.35	1,086.34	60.01	19.103		
6,850.00	6,693.10	6,587.28	6,413.14	33.91	30.92	58.65	709.57	485.18	1,141.88	1,081.44	60.44	18.894		
6,900.00	6,731.38	6,621.09	6,445.73	34.20	31.09	59.90	718.52	484.55	1,136.11	1,075.26	60.86	18.668		
6,950.00	6,767.02	6,646.03	6,469.74	34.51	31.22	61.07	725.24	483.97	1,129.47	1,068.27	61.20	18.456		
7,000.00	6,799.81	6,669.04	6,491.84	34.85	31.34	62.33	731.63	483.38	1,122.23	1,060.64	61.58	18.223		
7,050.00	6,829.54	6,690.00	6,511.93	35.24	31.45	63.65	737.60	482.81	1,114.60	1,052.58	62.02	17.971		
7,100.00	6,856.03	6,709.00	6,530.09	35.66	31.55	65.00	743.14	482.26	1,106.78	1,044.26	62.52	17.703		
7,150.00	6,879.11	6,740.74	6,560.42	36.12	31.71	67.03	752.46	481.60	1,098.82	1,035.45	63.37	17.340		
7,200.00	6,898.65	6,766.22	6,584.79	36.62	31.85	68.86	759.89	481.49	1,090.87	1,026.66	64.21	16.988		
7,250.00	6,914.51	6,785.47	6,603.21	37.15	31.95	70.42	765.48	481.65	1,083.27	1,018.22	65.05	16.652		
7,300.00	6,926.62	6,798.93	6,616.10	37.73	32.02	71.67	769.37	481.88	1,076.29	1,010.40	65.89	16.335		
7,350.00	6,934.88	6,807.08	6,623.90	38.34	32.06	72.60	771.71	482.07	1,070.13	1,003.41	66.72	16.040		
7,400.00	6,939.26	6,810.36	6,627.04	38.97	32.08	73.20	772.66	482.16	1,064.94	997.41	67.53	15.769		
7,429.12	6,940.00	6,810.20	6,626.89	39.34	32.08	73.41	772.61	482.15	1,062.40	994.40	68.00	15.624		
7,500.00	6,940.19	6,808.17	6,624.95	40.31	32.07	73.30	772.03	482.10	1,059.01	989.87	69.15	15.315		
7,515.26	6,940.23	6,807.76	6,624.55	40.54	32.06	73.28	771.91	482.09	1,058.90	989.50	69.41	15.256		
7,600.00	6,940.46	6,805.59	6,622.47	41.80	32.05	73.16	771.28	482.03	1,062.29	991.48	70.81	15.002		
7,700.00	6,940.72	6,803.29	6,620.27	43.43	32.04	73.04	770.62	481.98	1,074.89	1,002.45	72.44	14.838		
7,800.00	6,940.99	6,801.23	6,618.31	45.19	32.03	72.92	770.03	481.93	1,096.50	1,022.53	73.97	14.825		
7,900.00	6,941.25	6,799.38	6,616.53	47.05	32.02	72.82	769.50	481.89	1,126.60	1,051.27	75.33	14.956		
8,000.00	6,941.52	6,797.71	6,614.93	49.02	32.01	72.73	769.01	481.85	1,164.53	1,088.02	76.51	15.221		
8,100.00	6,941.79	6,796.18	6,613.47	51.06	32.00	72.65	768.57	481.82	1,209.56	1,132.07	77.49	15.609		
8,200.00	6,942.05	6,794.79	6,612.14	53.18	32.00	72.58	768.17	481.80	1,260.92	1,182.64	78.29	16.107		
8,300.00	6,942.32	6,793.51	6,610.92	55.37	31.99	72.51	767.80	481.77	1,317.88	1,238.97	78.92	16.700		
8,400.00	6,942.58	6,792.34	6,609.79	57.62	31.98	72.44	767.46	481.75	1,379.75	1,300.35	79.40	17.378		
8,500.00	6,942.85	6,791.26	6,608.75	59.92	31.98	72.39	767.15	481.73	1,445.89	1,366.13	79.76	18.128		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,790.25	6,607.79	62.26	31.97	72.33	766.86	481.72	1,515.74	1,435.72	80.02	18.943		
8,700.00	6,943.38	6,789.32	6,606.90	64.65	31.97	72.28	766.59	481.70	1,588.82	1,508.62	80.20	19.812		
8,800.00	6,943.65	6,788.45	6,606.07	67.08	31.96	72.23	766.34	481.69	1,664.70	1,584.39	80.31	20.728		
8,900.00	6,943.91	6,787.64	6,605.29	69.53	31.96	72.19	766.10	481.68	1,743.01	1,662.64	80.38	21.686		
9,000.00	6,944.18	6,786.88	6,604.57	72.02	31.95	72.15	765.89	481.66	1,823.45	1,743.05	80.40	22.680		
9,100.00	6,944.45	6,786.17	6,603.88	74.54	31.95	72.11	765.68	481.65	1,905.74	1,825.34	80.39	23.705		
9,200.00	6,944.71	6,785.50	6,603.24	77.07	31.95	72.07	765.49	481.65	1,989.65	1,909.28	80.37	24.757		
9,300.00	6,944.98	6,784.87	6,602.64	79.63	31.94	72.04	765.30	481.64	2,074.99	1,994.66	80.32	25.833		
9,400.00	6,945.24	6,784.28	6,602.07	82.21	31.94	72.01	765.13	481.63	2,161.58	2,081.32	80.27	26.930		
9,500.00	6,945.51	6,783.72	6,601.54	84.81	31.94	71.98	764.97	481.62	2,249.29	2,169.09	80.20	28.046		
9,600.00	6,945.78	6,783.19	6,601.03	87.43	31.94	71.95	764.82	481.62	2,337.98	2,257.85	80.13	29.178		
9,700.00	6,946.04	6,782.68	6,600.55	90.05	31.93	71.92	764.67	481.61	2,427.55	2,347.50	80.05	30.324		
9,800.00	6,946.31	6,782.21	6,600.09	92.70	31.93	71.90	764.53	481.60	2,517.91	2,437.93	79.98	31.483		
9,900.00	6,946.57	6,781.70	6,600.95	95.35	32.04	73.07	770.83	481.99	2,609.19	2,529.05	80.13	32.561		
10,000.00	6,946.84	6,781.19	6,600.95	98.02	32.04	73.07	770.83	481.99	2,700.89	2,620.83	80.06	33.737		
10,100.00	6,947.11	6,780.68	6,600.95	100.70	32.04	73.07	770.83	481.99	2,793.16	2,713.17	79.98	34.922		
10,200.00	6,947.37	6,780.17	6,600.95	103.38	32.04	73.07	770.83	481.99	2,885.94	2,806.03	79.91	36.115		
10,300.00	6,947.64	6,779.66	6,600.95	106.08	32.04	73.07	770.83	481.99	2,979.19	2,899.35	79.84	37.315		
10,400.00	6,947.90	6,779.15	6,600.95	108.78	32.04	73.07	770.83	481.99	3,072.87	2,993.10	79.77	38.522		
10,500.00	6,948.17	6,778.64	6,600.95	111.49	32.04	73.07	770.83	481.99	3,166.93	3,087.23	79.70	39.734		
10,600.00	6,948.44	6,778.13	6,600.95	114.21	32.04	73.07	770.83	481.99	3,261.35	3,181.70	79.64	40.951		
10,700.00	6,948.70	6,777.62	6,600.95	116.94	32.04	73.07	770.83	481.99	3,356.08	3,276.50	79.58	42.172		
10,800.00	6,948.97	6,777.11	6,600.95	119.67	32.04	73.07	770.83	481.99	3,451.12	3,371.60	79.52	43.397		
10,900.00	6,949.24	6,776.60	6,600.95	122.41	32.04	73.07	770.83	481.99	3,546.43	3,466.96	79.47	44.626		
11,000.00	6,949.50	6,776.09	6,600.95	125.15	32.04	73.07	770.83	481.99	3,641.99	3,562.57	79.42	45.858		
11,100.00	6,949.77	6,775.58	6,600.95	127.90	32.04	73.07	770.83	481.99	3,737.78	3,658.41	79.37	47.093		
11,200.00	6,950.03	6,775.07	6,600.95	130.65	32.04	73.07	770.83	481.99	3,833.79	3,754.47	79.33	48.330		
11,300.00	6,950.30	6,774.56	6,600.95	133.41	32.04	73.07	770.83	481.99	3,930.00	3,850.71	79.28	49.569		
11,400.00	6,950.57	6,774.05	6,600.95	136.17	32.04	73.07	770.83	481.99	4,026.39	3,947.14	79.25	50.809		
11,500.00	6,950.83	6,773.54	6,600.95	138.94	32.04	73.07	770.83	481.99	4,122.95	4,043.74	79.21	52.051		
11,600.00	6,951.10	6,773.03	6,600.95	141.71	32.04	73.07	770.83	481.99	4,219.68	4,140.50	79.18	53.295		
11,700.00	6,951.36	6,772.52	6,600.95	144.48	32.04	73.07	770.83	481.99	4,316.55	4,237.40	79.15	54.539		
11,800.00	6,951.63	6,772.01	6,600.95	147.26	32.04	73.07	770.83	481.99	4,413.56	4,334.45	79.12	55.785		
11,900.00	6,951.90	6,771.50	6,600.95	150.03	32.04	73.07	770.83	481.99	4,510.71	4,431.61	79.09	57.031		
12,000.00	6,952.16	6,770.99	6,600.95	152.82	32.04	73.07	770.83	481.99	4,607.97	4,528.90	79.07	58.277		
12,100.00	6,952.43	6,770.48	6,600.95	155.60	32.04	73.07	770.83	481.99	4,705.35	4,626.30	79.05	59.524		
12,200.00	6,952.69	6,770.97	6,600.95	158.39	32.04	73.07	770.83	481.99	4,802.84	4,723.81	79.03	60.770		
12,300.00	6,952.96	6,770.46	6,600.95	161.18	32.04	73.07	770.83	481.99	4,900.43	4,821.41	79.02	62.017		
12,400.00	6,953.23	6,770.95	6,600.95	163.97	32.04	73.07	770.83	481.99	4,998.11	4,919.11	79.00	63.264		
12,500.00	6,953.49	6,770.44	6,600.95	166.77	32.04	73.07	770.83	481.99	5,095.89	5,016.89	78.99	64.510		
12,600.00	6,953.76	6,770.93	6,600.95	169.56	32.04	73.07	770.83	481.99	5,193.74	5,114.76	78.99	65.756		
12,700.00	6,954.02	6,770.42	6,600.95	172.36	32.04	73.07	770.83	481.99	5,291.68	5,212.70	78.98	67.001		
12,800.00	6,954.29	6,770.91	6,600.95	175.16	32.04	73.07	770.83	481.99	5,389.70	5,310.72	78.98	68.245		
12,900.00	6,954.56	6,770.40	6,600.95	177.97	32.04	73.07	770.83	481.99	5,487.78	5,408.81	78.97	69.489		
13,000.00	6,954.82	6,770.89	6,600.95	180.77	32.04	73.07	770.83	481.99	5,585.94	5,506.97	78.97	70.732		
13,100.00	6,955.09	6,770.38	6,600.95	183.58	32.04	73.07	770.83	481.99	5,684.16	5,605.18	78.97	71.974		
13,200.00	6,955.35	6,770.87	6,600.95	186.38	32.04	73.07	770.83	481.99	5,782.44	5,703.46	78.98	73.215		
13,300.00	6,955.62	6,770.36	6,600.95	189.19	32.04	73.07	770.83	481.99	5,880.77	5,801.79	78.98	74.455		
13,400.00	6,955.89	6,770.85	6,600.95	192.00	32.04	73.07	770.83	481.99	5,979.17	5,900.17	78.99	75.694		
13,500.00	6,956.15	6,770.34	6,600.95	194.82	32.04	73.07	770.83	481.99	6,077.61	5,998.61	79.00	76.931		
13,600.00	6,956.42	6,770.83	6,600.95	197.63	32.04	73.07	770.83	481.99	6,176.11	6,097.09	79.01	78.167		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,804.00	6,620.95	200.44	32.04	73.07	770.83	481.99	6,274.65	6,195.62	79.02	79.402		
13,800.00	6,956.95	6,804.00	6,620.95	203.26	32.04	73.07	770.83	481.99	6,373.24	6,294.20	79.04	80.635		
13,900.00	6,957.22	6,804.00	6,620.95	206.08	32.04	73.07	770.83	481.99	6,471.87	6,392.81	79.05	81.866		
14,000.00	6,957.48	6,804.00	6,620.95	208.89	32.04	73.07	770.83	481.99	6,570.54	6,491.47	79.07	83.096		
14,100.00	6,957.75	6,804.00	6,620.95	211.71	32.04	73.07	770.83	481.99	6,669.25	6,590.16	79.09	84.324		
14,200.00	6,958.02	6,804.00	6,620.95	214.53	32.04	73.07	770.83	481.99	6,768.00	6,688.89	79.11	85.550		
14,300.00	6,958.28	6,804.00	6,620.95	217.36	32.04	73.07	770.83	481.99	6,866.79	6,787.66	79.13	86.775		
14,400.00	6,958.55	6,804.00	6,620.95	220.18	32.04	73.07	770.83	481.99	6,965.61	6,886.45	79.16	87.997		
14,500.00	6,958.81	6,804.00	6,620.95	223.00	32.04	73.07	770.83	481.99	7,064.46	6,985.28	79.18	89.218		
14,600.00	6,959.08	6,804.00	6,620.95	225.83	32.04	73.07	770.83	481.99	7,163.35	7,084.14	79.21	90.437		
14,700.00	6,959.35	6,804.00	6,620.95	228.65	32.04	73.07	770.83	481.99	7,262.27	7,183.03	79.24	91.654		
14,800.00	6,959.61	6,804.00	6,620.95	231.48	32.04	73.07	770.83	481.99	7,361.21	7,281.95	79.27	92.868		
14,900.00	6,959.88	6,804.00	6,620.95	234.30	32.04	73.07	770.83	481.99	7,460.19	7,380.89	79.30	94.081		
15,000.00	6,960.14	6,804.00	6,620.95	237.13	32.04	73.07	770.83	481.99	7,559.19	7,479.86	79.33	95.291		
15,100.00	6,960.41	6,804.00	6,620.95	239.96	32.04	73.07	770.83	481.99	7,658.21	7,578.85	79.36	96.499		
15,200.00	6,960.68	6,804.00	6,620.95	242.79	32.04	73.07	770.83	481.99	7,757.27	7,677.87	79.39	97.705		
15,300.00	6,960.94	6,804.00	6,620.95	245.62	32.04	73.07	770.83	481.99	7,856.34	7,776.91	79.43	98.909		
15,400.00	6,961.21	6,804.00	6,620.95	248.45	32.04	73.07	770.83	481.99	7,955.44	7,875.97	79.47	100.110		
15,500.00	6,961.47	6,804.00	6,620.95	251.28	32.04	73.07	770.83	481.99	8,054.56	7,975.06	79.51	101.309		
15,600.00	6,961.74	6,804.00	6,620.95	254.11	32.04	73.07	770.83	481.99	8,153.70	8,074.16	79.54	102.505		
15,700.00	6,962.01	6,804.00	6,620.95	256.94	32.04	73.07	770.83	481.99	8,252.87	8,173.28	79.58	103.699		
15,800.00	6,962.27	6,804.00	6,620.95	259.77	32.04	73.07	770.83	481.99	8,352.05	8,272.42	79.63	104.890		
15,900.00	6,962.54	6,804.00	6,620.95	262.61	32.04	73.07	770.83	481.99	8,451.25	8,371.58	79.67	106.079		
16,000.00	6,962.80	6,804.00	6,620.95	265.44	32.04	73.07	770.83	481.99	8,550.47	8,470.76	79.71	107.266		
16,100.00	6,963.07	6,804.00	6,620.95	268.28	32.04	73.07	770.83	481.99	8,649.71	8,569.96	79.76	108.450		
16,200.00	6,963.34	6,804.00	6,620.95	271.11	32.04	73.07	770.83	481.99	8,748.97	8,669.17	79.80	109.631		
16,300.00	6,963.60	6,804.00	6,620.95	273.95	32.04	73.07	770.83	481.99	8,848.24	8,768.39	79.85	110.809		
16,400.00	6,963.87	6,804.00	6,620.95	276.78	32.04	73.07	770.83	481.99	8,947.53	8,867.63	79.90	111.985		
16,500.00	6,964.13	6,804.00	6,620.95	279.62	32.04	73.07	770.83	481.99	9,046.84	8,966.89	79.95	113.158		
16,600.00	6,964.40	6,804.00	6,620.95	282.46	32.04	73.07	770.83	481.99	9,146.16	9,066.16	80.00	114.329		
16,700.00	6,964.67	6,804.00	6,620.95	285.29	32.04	73.07	770.83	481.99	9,245.49	9,165.44	80.05	115.496		
16,800.00	6,964.93	6,804.00	6,620.95	288.13	32.04	73.07	770.83	481.99	9,344.84	9,264.74	80.10	116.661		
16,900.00	6,965.20	6,804.00	6,620.95	290.97	32.04	73.07	770.83	481.99	9,444.20	9,364.05	80.16	117.823		
17,000.00	6,965.46	6,804.00	6,620.95	293.81	32.04	73.07	770.83	481.99	9,543.58	9,463.37	80.21	118.982		
17,100.00	6,965.73	6,804.00	6,620.95	296.65	32.04	73.07	770.83	481.99	9,642.97	9,562.70	80.27	120.139		
17,200.00	6,966.00	6,804.00	6,620.95	299.49	32.04	73.07	770.83	481.99	9,742.37	9,662.05	80.32	121.292		
17,300.00	6,966.26	6,804.00	6,620.95	302.32	32.04	73.07	770.83	481.99	9,841.78	9,761.41	80.38	122.442		
17,400.00	6,966.53	6,804.00	6,620.95	305.16	32.04	73.07	770.83	481.99	9,941.21	9,860.77	80.44	123.590		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	134.45	-497.64	507.26	710.69					
100.00	100.00	97.19	97.18	3.28	3.29	134.40	-496.79	507.31	710.09	703.52	6.57	108.044		
200.00	200.00	206.31	206.26	3.34	3.31	134.22	-493.80	507.49	708.29	701.64	6.65	106.489		
300.00	299.98	301.03	300.92	3.44	3.38	34.11	-490.30	507.86	704.57	697.75	6.82	103.238		
400.00	399.84	388.42	388.28	3.60	3.49	34.25	-488.70	508.35	699.38	692.29	7.09	98.665		
500.00	499.45	476.18	476.03	3.80	3.63	34.72	-489.67	508.59	693.15	685.72	7.43	93.233		
600.00	598.70	574.83	574.66	4.05	3.83	35.43	-491.44	509.80	685.27	677.39	7.88	87.014		
700.00	697.47	671.57	671.36	4.33	4.06	36.12	-491.21	512.69	674.46	666.07	8.39	80.416		
803.50	799.05	769.08	768.67	4.67	4.33	36.75	-489.12	518.51	661.09	652.11	8.98	73.641		
900.00	893.41	859.30	858.42	5.02	4.60	36.99	-485.35	526.79	647.99	638.42	9.57	67.679		
1,000.00	991.20	955.82	954.24	5.41	4.91	37.10	-480.62	537.34	635.11	624.87	10.24	62.011		
1,100.00	1,088.99	1,055.03	1,052.88	5.81	5.24	37.35	-476.82	547.31	622.40	611.45	10.95	56.825		
1,200.00	1,186.78	1,167.05	1,164.48	6.23	5.64	37.86	-473.25	556.17	608.75	597.02	11.73	51.898		
1,300.00	1,284.57	1,272.70	1,269.97	6.67	6.02	38.65	-470.70	561.23	593.62	581.11	12.51	47.453		
1,400.00	1,382.36	1,383.72	1,380.97	7.12	6.42	39.93	-468.76	562.05	576.45	563.13	13.31	43.298		
1,500.00	1,480.15	1,481.72	1,478.94	7.57	6.78	41.47	-468.47	559.61	558.62	544.53	14.09	39.638		
1,600.00	1,577.94	1,575.37	1,572.53	8.03	7.11	43.15	-469.13	556.58	541.55	526.67	14.88	36.400		
1,700.00	1,675.73	1,669.66	1,666.81	8.50	7.46	44.79	-469.51	555.09	525.71	510.03	15.68	33.525		
1,800.00	1,773.52	1,768.62	1,765.76	8.98	7.84	46.50	-469.40	554.51	510.50	493.98	16.51	30.914		
1,900.00	1,871.31	1,872.91	1,870.05	9.45	8.25	48.31	-468.29	554.22	495.14	477.77	17.37	28.505		
2,000.00	1,969.10	1,981.33	1,978.40	9.94	8.68	50.20	-464.55	553.52	478.03	459.79	18.24	26.205		
2,100.00	2,066.88	2,091.39	2,088.26	10.42	9.12	52.09	-458.00	552.92	459.31	440.20	19.11	24.033		
2,200.00	2,164.67	2,200.53	2,196.92	10.91	9.57	53.97	-447.90	552.03	438.01	418.04	19.97	21.932		
2,300.00	2,262.46	2,311.10	2,306.60	11.40	10.02	55.82	-433.95	551.36	414.25	393.44	20.81	19.907		
2,400.00	2,360.25	2,413.32	2,407.61	11.89	10.44	57.54	-418.23	551.09	388.55	366.89	21.66	17.939		
2,500.00	2,458.04	2,518.37	2,511.01	12.39	10.88	59.45	-399.78	550.64	361.16	338.68	22.48	16.063		
2,600.00	2,555.83	2,627.59	2,617.83	12.88	11.34	61.64	-377.07	549.77	331.10	307.87	23.23	14.253		
2,700.00	2,653.62	2,740.85	2,726.81	13.38	11.82	63.53	-346.34	551.09	296.20	272.40	23.80	12.444		
2,800.00	2,751.41	2,854.74	2,833.57	13.88	12.33	65.26	-306.82	553.01	254.71	230.62	24.09	10.574		
2,900.00	2,849.20	2,951.89	2,922.26	14.38	12.78	67.07	-267.19	553.95	207.54	182.95	24.58	8.442		
3,000.00	2,946.99	3,036.50	2,999.18	14.88	13.18	69.90	-231.99	553.79	159.59	134.01	25.58	6.238		
3,100.00	3,044.78	3,121.69	3,077.44	15.38	13.59	75.95	-198.36	552.29	114.04	87.30	26.75	4.264		
3,200.00	3,142.57	3,210.22	3,159.22	15.89	14.03	89.78	-164.50	550.43	72.21	44.21	28.00	2.579		
3,300.00	3,240.36	3,297.89	3,240.31	16.39	14.47	125.57	-131.24	548.37	42.26	12.07	30.18	1.400 Level 3		
3,328.99	3,268.71	3,323.60	3,264.29	16.54	14.59	141.53	-121.97	547.82	40.17	9.60	30.56	1.314 Level 3, CC, ES, SF		
3,400.00	3,338.15	3,387.34	3,324.02	16.89	14.91	176.08	-99.77	546.50	50.96	20.66	30.30	1.682		
3,500.00	3,435.93	3,478.93	3,410.42	17.40	15.37	-160.49	-69.45	544.72	84.18	53.62	30.56	2.755		
3,600.00	3,533.72	3,574.59	3,501.37	17.90	15.85	-150.63	-39.82	544.38	120.65	89.08	31.58	3.821		
3,700.00	3,631.51	3,668.24	3,590.57	18.41	16.31	-144.82	-11.48	547.44	155.78	123.30	32.48	4.796		
3,800.00	3,729.30	3,755.01	3,672.45	18.92	16.75	-140.72	17.04	550.87	193.28	160.19	33.09	5.842		
3,900.00	3,827.09	3,836.08	3,748.09	19.42	17.17	-137.94	46.15	552.48	234.85	201.37	33.49	7.014		
4,000.00	3,924.88	3,912.56	3,818.29	19.93	17.58	-135.94	76.46	552.11	281.00	247.25	33.75	8.326		
4,100.00	4,022.67	3,986.36	3,884.94	20.44	17.99	-134.46	108.09	550.03	331.11	297.12	33.99	9.741		
4,200.00	4,120.46	4,055.80	3,946.46	20.95	18.38	-133.31	140.11	546.80	384.86	350.73	34.13	11.275		
4,300.00	4,218.25	4,127.84	4,009.08	21.46	18.80	-132.27	175.46	542.57	441.61	407.11	34.50	12.801		
4,400.00	4,316.04	4,209.60	4,079.48	21.97	19.28	-131.26	216.76	537.65	499.70	464.37	35.33	14.144		
4,500.00	4,413.83	4,316.61	4,172.79	22.48	19.91	-130.28	268.84	532.35	556.04	518.98	37.07	15.001		
4,600.00	4,511.62	4,437.70	4,282.21	22.99	20.61	-129.87	320.32	526.59	607.20	568.16	39.04	15.553		
4,700.00	4,609.41	4,567.88	4,403.35	23.50	21.33	-129.82	367.69	522.13	652.71	611.72	40.99	15.923		
4,800.00	4,707.20	4,675.20	4,505.06	24.01	21.90	-130.06	401.71	518.16	694.66	652.41	42.25	16.441		
4,900.00	4,804.98	4,779.41	4,604.58	24.52	22.45	-130.29	432.50	515.57	734.19	690.79	43.40	16.916		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,872.45	4,693.64	25.03	22.93	-130.50	459.34	513.17	773.25	728.93	44.33	17.444		
5,100.00	5,000.56	4,966.19	4,783.38	25.54	23.42	-130.67	486.34	511.02	812.15	766.89	45.26	17.943		
5,200.00	5,098.35	5,061.22	4,874.32	26.05	23.92	-130.79	513.83	509.44	850.84	804.61	46.22	18.407		
5,300.00	5,196.14	5,143.20	4,952.55	26.56	24.35	-130.78	538.32	509.49	889.49	842.52	46.96	18.940		
5,400.00	5,293.93	5,209.69	5,015.24	27.07	24.71	-130.63	560.47	510.25	930.33	882.91	47.43	19.616		
5,500.00	5,391.72	5,282.28	5,082.97	27.58	25.12	-130.40	586.59	511.32	973.24	925.23	48.01	20.273		
5,600.00	5,489.51	5,365.59	5,160.18	28.09	25.58	-130.11	617.81	512.52	1,017.40	968.60	48.80	20.847		
5,700.00	5,587.30	5,487.65	5,273.86	28.61	26.27	-129.77	662.23	514.21	1,060.84	1,010.53	50.32	21.083		
5,800.00	5,685.09	5,577.77	5,358.54	29.12	26.76	-129.63	693.04	515.18	1,102.51	1,051.29	51.23	21.522		
5,900.00	5,782.88	5,691.26	5,465.56	29.63	27.38	-129.45	730.75	517.22	1,143.00	1,090.47	52.53	21.761		
6,000.00	5,880.67	5,773.21	5,543.00	30.14	27.83	-129.35	757.51	518.52	1,183.17	1,129.87	53.30	22.199		
6,100.00	5,978.46	5,837.69	5,603.66	30.65	28.19	-129.28	779.40	519.01	1,224.80	1,171.01	53.78	22.773		
6,200.00	6,076.25	5,916.95	5,677.75	31.17	28.63	-129.18	807.55	519.05	1,268.03	1,213.51	54.52	23.259		
6,298.86	6,172.92	5,997.46	5,753.02	31.67	29.08	-129.12	836.10	518.43	1,311.14	1,255.86	55.28	23.716		
6,300.00	6,174.03	5,998.32	5,753.82	31.68	29.09	-129.25	836.41	518.42	1,311.64	1,256.35	55.29	23.722		
6,350.00	6,223.30	6,036.35	5,789.28	31.92	29.30	-137.13	850.15	518.04	1,332.87	1,277.25	55.62	23.964		
6,400.00	6,273.06	6,078.26	5,828.29	32.13	29.54	-159.92	865.45	517.52	1,352.50	1,296.51	55.99	24.155		
6,450.00	6,323.01	6,122.18	5,869.20	32.32	29.79	108.60	881.43	516.75	1,370.33	1,313.95	56.38	24.305		
6,500.00	6,372.84	6,179.90	5,923.05	32.48	30.12	75.73	902.17	515.46	1,386.17	1,329.18	56.99	24.322		
6,550.00	6,422.24	6,250.38	5,989.22	32.65	30.51	67.87	926.40	513.97	1,399.37	1,341.55	57.81	24.205		
6,600.00	6,470.92	6,282.73	6,019.64	32.83	30.69	64.21	937.36	513.03	1,410.55	1,352.54	58.02	24.313		
6,650.00	6,518.56	6,320.25	6,054.92	33.01	30.90	62.32	950.04	511.59	1,420.06	1,361.74	58.32	24.350		
6,700.00	6,564.89	6,353.53	6,086.17	33.21	31.09	61.22	961.37	510.08	1,427.99	1,369.41	58.57	24.379		
6,750.00	6,609.60	6,383.91	6,114.60	33.43	31.26	60.60	972.01	508.76	1,434.51	1,375.70	58.81	24.392		
6,800.00	6,652.43	6,412.81	6,141.54	33.66	31.42	60.34	982.41	507.58	1,439.72	1,380.66	59.06	24.378		
6,850.00	6,693.10	6,441.17	6,167.88	33.91	31.59	60.35	992.87	506.51	1,443.72	1,384.37	59.35	24.327		
6,900.00	6,731.38	6,470.65	6,195.18	34.20	31.76	60.63	1,003.95	505.47	1,446.54	1,386.83	59.71	24.225		
6,950.00	6,767.02	6,497.96	6,220.42	34.51	31.92	61.05	1,014.35	504.58	1,448.29	1,388.18	60.11	24.096		
7,000.00	6,799.81	6,522.95	6,243.46	34.85	32.06	61.57	1,023.99	503.83	1,449.10	1,388.57	60.53	23.939		
7,050.00	6,829.54	6,585.34	6,301.18	35.24	32.42	63.48	1,047.62	502.27	1,448.79	1,387.07	61.72	23.472		
7,100.00	6,856.03	7,100.00	6,317.58	35.66	35.40	64.06	1,053.78	501.99	1,447.13	1,382.29	64.84	22.319		
7,150.00	6,879.11	6,677.39	6,387.27	36.12	32.94	66.79	1,080.14	501.04	1,444.70	1,380.95	63.74	22.664		
7,200.00	6,898.65	6,708.77	6,416.80	36.62	33.12	68.11	1,090.76	501.07	1,441.81	1,377.17	64.64	22.307		
7,250.00	6,914.51	6,737.15	6,443.58	37.15	33.28	69.39	1,100.16	501.41	1,438.70	1,373.14	65.56	21.944		
7,300.00	6,926.62	6,756.48	6,461.85	37.73	33.38	70.36	1,106.45	501.91	1,435.59	1,369.17	66.43	21.611		
7,350.00	6,934.88	6,767.45	6,472.23	38.34	33.44	71.01	1,109.98	502.29	1,432.68	1,365.44	67.24	21.308		
7,400.00	6,939.26	6,771.13	6,475.71	38.97	33.46	71.36	1,111.16	502.44	1,430.06	1,362.06	68.00	21.032		
7,429.12	6,940.00	6,770.30	6,474.93	39.34	33.46	71.44	1,110.90	502.40	1,428.69	1,360.27	68.42	20.882		
7,493.42	6,940.17	6,766.48	6,471.31	40.22	33.43	71.29	1,109.67	502.26	1,427.24	1,357.88	69.36	20.577		
7,500.00	6,940.19	6,766.11	6,470.96	40.31	33.43	71.27	1,109.55	502.24	1,427.26	1,357.80	69.46	20.549		
7,600.00	6,940.46	6,761.02	6,466.15	41.80	33.41	71.07	1,107.92	502.06	1,431.21	1,360.19	71.02	20.153		
7,700.00	6,940.72	6,756.70	6,462.06	43.43	33.38	70.90	1,106.52	501.92	1,442.09	1,369.46	72.63	19.855		
7,800.00	6,940.99	6,752.99	6,458.55	45.19	33.36	70.75	1,105.32	501.81	1,459.75	1,385.51	74.25	19.661		
7,900.00	6,941.25	6,749.76	6,455.50	47.05	33.34	70.62	1,104.28	501.72	1,483.94	1,408.13	75.81	19.574		
8,000.00	6,941.52	6,746.93	6,452.82	49.02	33.33	70.50	1,103.36	501.64	1,514.36	1,437.07	77.30	19.591		
8,100.00	6,941.79	6,744.43	6,450.46	51.06	33.31	70.40	1,102.54	501.58	1,550.64	1,471.97	78.68	19.709		
8,200.00	6,942.05	6,742.21	6,448.36	53.18	33.30	70.31	1,101.81	501.52	1,592.38	1,512.44	79.94	19.921		
8,300.00	6,942.32	6,740.21	6,446.47	55.37	33.29	70.23	1,101.16	501.48	1,639.16	1,558.09	81.07	20.219		
8,400.00	6,942.58	6,738.41	6,444.77	57.62	33.28	70.16	1,100.57	501.44	1,690.56	1,608.49	82.07	20.598		
8,500.00	6,942.85	6,736.78	6,443.23	59.92	33.27	70.10	1,100.04	501.41	1,746.19	1,663.23	82.96	21.049		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 6N-7C-M - OH - OH													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		
8,600.00	6,943.12	6,735.30	6,441.83	62.26	33.27	70.04	1,099.55	501.38	1,805.64	1,721.91	83.73	21.566		
8,700.00	6,943.38	6,733.95	6,440.55	64.65	33.26	69.98	1,099.11	501.35	1,868.55	1,784.15	84.39	22.141		
8,800.00	6,943.65	6,732.70	6,439.38	67.08	33.25	69.93	1,098.70	501.33	1,934.58	1,849.62	84.96	22.769		
8,900.00	6,943.91	6,731.56	6,438.30	69.53	33.24	69.89	1,098.32	501.31	2,003.43	1,917.98	85.45	23.445		
9,000.00	6,944.18	6,730.50	6,437.30	72.02	33.24	69.84	1,097.98	501.29	2,074.82	1,988.95	85.87	24.163		
9,100.00	6,944.45	6,729.52	6,436.38	74.54	33.23	69.81	1,097.65	501.28	2,148.49	2,062.27	86.22	24.919		
9,200.00	6,944.71	6,728.61	6,435.52	77.07	33.23	69.77	1,097.35	501.26	2,224.22	2,137.70	86.51	25.709		
9,300.00	6,944.98	6,727.76	6,434.72	79.63	33.22	69.74	1,097.07	501.25	2,301.80	2,215.04	86.76	26.530		
9,400.00	6,945.24	6,726.97	6,433.97	82.21	33.22	69.70	1,096.81	501.24	2,381.05	2,294.08	86.97	27.378		
9,500.00	6,945.51	6,711.00	6,418.91	84.81	33.13	69.06	1,091.51	501.08	2,461.90	2,374.96	86.94	28.318		
9,600.00	6,945.78	6,711.00	6,418.91	87.43	33.13	69.06	1,091.51	501.08	2,544.02	2,456.93	87.09	29.211		
9,700.00	6,946.04	6,711.00	6,418.91	90.05	33.13	69.06	1,091.51	501.08	2,627.38	2,540.16	87.22	30.125		
9,800.00	6,946.31	6,711.00	6,418.91	92.70	33.13	69.06	1,091.51	501.08	2,711.87	2,624.55	87.32	31.056		
9,900.00	6,946.57	6,711.00	6,418.91	95.35	33.13	69.06	1,091.51	501.08	2,797.38	2,709.97	87.41	32.005		
10,000.00	6,946.84	6,711.00	6,418.91	98.02	33.13	69.06	1,091.51	501.08	2,883.82	2,796.35	87.47	32.968		
10,100.00	6,947.11	6,711.00	6,418.91	100.70	33.13	69.06	1,091.51	501.08	2,971.11	2,883.58	87.53	33.945		
10,200.00	6,947.37	6,711.00	6,418.91	103.38	33.13	69.06	1,091.51	501.08	3,059.18	2,971.61	87.57	34.934		
10,300.00	6,947.64	6,711.00	6,418.91	106.08	33.13	69.06	1,091.51	501.08	3,147.97	3,060.36	87.60	35.934		
10,400.00	6,947.90	6,711.00	6,418.91	108.78	33.13	69.06	1,091.51	501.08	3,237.40	3,149.78	87.63	36.945		
10,500.00	6,948.17	6,711.00	6,418.91	111.49	33.13	69.06	1,091.51	501.08	3,327.44	3,239.80	87.65	37.965		
10,600.00	6,948.44	6,711.00	6,418.91	114.21	33.13	69.06	1,091.51	501.08	3,418.04	3,330.38	87.66	38.993		
10,700.00	6,948.70	6,711.00	6,418.91	116.94	33.13	69.06	1,091.51	501.08	3,509.14	3,421.48	87.66	40.029		
10,800.00	6,948.97	6,711.00	6,418.91	119.67	33.13	69.06	1,091.51	501.08	3,600.72	3,513.05	87.67	41.072		
10,900.00	6,949.24	6,711.00	6,418.91	122.41	33.13	69.06	1,091.51	501.08	3,692.73	3,605.06	87.67	42.122		
11,000.00	6,949.50	6,711.00	6,418.91	125.15	33.13	69.06	1,091.51	501.08	3,785.15	3,697.48	87.67	43.177		
11,100.00	6,949.77	6,711.00	6,418.91	127.90	33.13	69.06	1,091.51	501.08	3,877.95	3,790.28	87.66	44.238		
11,200.00	6,950.03	6,711.00	6,418.91	130.65	33.13	69.06	1,091.51	501.08	3,971.09	3,883.43	87.66	45.303		
11,300.00	6,950.30	6,711.00	6,418.91	133.41	33.13	69.06	1,091.51	501.08	4,064.56	3,976.91	87.65	46.374		
11,400.00	6,950.57	6,711.00	6,418.91	136.17	33.13	69.06	1,091.51	501.08	4,158.33	4,070.69	87.64	47.448		
11,500.00	6,950.83	6,711.00	6,418.91	138.94	33.13	69.06	1,091.51	501.08	4,252.39	4,164.76	87.63	48.526		
11,600.00	6,951.10	6,711.00	6,418.91	141.71	33.13	69.06	1,091.51	501.08	4,346.72	4,259.09	87.62	49.607		
11,700.00	6,951.36	6,711.00	6,418.91	144.48	33.13	69.06	1,091.51	501.08	4,441.29	4,353.67	87.61	50.691		
11,800.00	6,951.63	6,711.00	6,418.91	147.26	33.13	69.06	1,091.51	501.08	4,536.09	4,448.49	87.61	51.778		
11,900.00	6,951.90	6,711.00	6,418.91	150.03	33.13	69.06	1,091.51	501.08	4,631.11	4,543.52	87.60	52.868		
12,000.00	6,952.16	6,711.00	6,418.91	152.82	33.13	69.06	1,091.51	501.08	4,726.34	4,638.75	87.59	53.960		
12,100.00	6,952.43	6,711.00	6,418.91	155.60	33.13	69.06	1,091.51	501.08	4,821.76	4,734.18	87.58	55.054		
12,200.00	6,952.69	6,711.00	6,418.91	158.39	33.13	69.06	1,091.51	501.08	4,917.37	4,829.79	87.58	56.150		
12,300.00	6,952.96	6,711.00	6,418.91	161.18	33.13	69.06	1,091.51	501.08	5,013.14	4,925.57	87.57	57.247		
12,400.00	6,953.23	6,711.00	6,418.91	163.97	33.13	69.06	1,091.51	501.08	5,109.08	5,021.52	87.57	58.346		
12,500.00	6,953.49	6,711.00	6,418.91	166.77	33.13	69.06	1,091.51	501.08	5,205.17	5,117.61	87.56	59.446		
12,600.00	6,953.76	6,711.00	6,418.91	169.56	33.13	69.06	1,091.51	501.08	5,301.41	5,213.85	87.56	60.547		
12,700.00	6,954.02	6,711.00	6,418.91	172.36	33.13	69.06	1,091.51	501.08	5,397.78	5,310.22	87.56	61.650		
12,800.00	6,954.29	6,711.00	6,418.91	175.16	33.13	69.06	1,091.51	501.08	5,494.28	5,406.72	87.55	62.753		
12,900.00	6,954.56	6,711.00	6,418.91	177.97	33.13	69.06	1,091.51	501.08	5,590.90	5,503.35	87.55	63.856		
13,000.00	6,954.82	6,711.00	6,418.91	180.77	33.13	69.06	1,091.51	501.08	5,687.64	5,600.09	87.56	64.961		
13,100.00	6,955.09	6,711.00	6,418.91	183.58	33.13	69.06	1,091.51	501.08	5,784.49	5,696.94	87.56	66.065		
13,200.00	6,955.35	6,711.00	6,418.91	186.38	33.13	69.06	1,091.51	501.08	5,881.45	5,793.89	87.56	67.170		
13,300.00	6,955.62	6,711.00	6,418.91	189.19	33.13	69.06	1,091.51	501.08	5,978.51	5,890.94	87.56	68.275		
13,400.00	6,955.89	6,711.00	6,418.91	192.00	33.13	69.06	1,091.51	501.08	6,075.66	5,988.09	87.57	69.381		
13,500.00	6,956.15	6,711.00	6,418.91	194.82	33.13	69.06	1,091.51	501.08	6,172.90	6,085.33	87.58	70.486		
13,600.00	6,956.42	6,711.00	6,418.91	197.63	33.13	69.06	1,091.51	501.08	6,270.24	6,182.65	87.58	71.591		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 6N-7C-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 229-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,711.00	6,418.91	200.44	33.13	69.06	1,091.51	501.08	6,367.65	6,280.06	87.59	72.696		
13,800.00	6,956.95	6,711.00	6,418.91	203.26	33.13	69.06	1,091.51	501.08	6,465.14	6,377.54	87.60	73.800		
13,900.00	6,957.22	6,711.00	6,418.91	206.08	33.13	69.06	1,091.51	501.08	6,562.71	6,475.09	87.61	74.904		
14,000.00	6,957.48	6,711.00	6,418.91	208.89	33.13	69.06	1,091.51	501.08	6,660.35	6,572.72	87.63	76.008		
14,100.00	6,957.75	6,711.00	6,418.91	211.71	33.13	69.06	1,091.51	501.08	6,758.06	6,670.42	87.64	77.111		
14,200.00	6,958.02	6,711.00	6,418.91	214.53	33.13	69.06	1,091.51	501.08	6,855.83	6,768.18	87.65	78.214		
14,300.00	6,958.28	6,711.00	6,418.91	217.36	33.13	69.06	1,091.51	501.08	6,953.67	6,866.00	87.67	79.316		
14,400.00	6,958.55	6,711.00	6,418.91	220.18	33.13	69.06	1,091.51	501.08	7,051.57	6,963.88	87.69	80.417		
14,500.00	6,958.81	6,711.00	6,418.91	223.00	33.13	69.06	1,091.51	501.08	7,149.53	7,061.82	87.71	81.518		
14,600.00	6,959.08	6,711.00	6,418.91	225.83	33.13	69.06	1,091.51	501.08	7,247.54	7,159.81	87.72	82.617		
14,700.00	6,959.35	6,711.00	6,418.91	228.65	33.13	69.06	1,091.51	501.08	7,345.60	7,257.86	87.74	83.716		
14,800.00	6,959.61	6,711.00	6,418.91	231.48	33.13	69.06	1,091.51	501.08	7,443.72	7,355.96	87.77	84.813		
14,900.00	6,959.88	6,711.00	6,418.91	234.30	33.13	69.06	1,091.51	501.08	7,541.89	7,454.10	87.79	85.910		
15,000.00	6,960.14	6,711.00	6,418.91	237.13	33.13	69.06	1,091.51	501.08	7,640.10	7,552.29	87.81	87.006		
15,100.00	6,960.41	6,711.00	6,418.91	239.96	33.13	69.06	1,091.51	501.08	7,738.36	7,650.53	87.84	88.100		
15,200.00	6,960.68	6,711.00	6,418.91	242.79	33.13	69.06	1,091.51	501.08	7,836.67	7,748.81	87.86	89.193		
15,300.00	6,960.94	6,711.00	6,418.91	245.62	33.13	69.06	1,091.51	501.08	7,935.02	7,847.13	87.89	90.285		
15,400.00	6,961.21	6,711.00	6,418.91	248.45	33.13	69.06	1,091.51	501.08	8,033.40	7,945.49	87.92	91.376		
15,500.00	6,961.47	6,711.00	6,418.91	251.28	33.13	69.06	1,091.51	501.08	8,131.83	8,043.89	87.94	92.465		
15,600.00	6,961.74	6,711.00	6,418.91	254.11	33.13	69.06	1,091.51	501.08	8,230.30	8,142.32	87.97	93.553		
15,700.00	6,962.01	6,711.00	6,418.91	256.94	33.13	69.06	1,091.51	501.08	8,328.80	8,240.79	88.01	94.640		
15,800.00	6,962.27	6,711.00	6,418.91	259.77	33.13	69.06	1,091.51	501.08	8,427.33	8,339.30	88.04	95.725		
15,900.00	6,962.54	6,711.00	6,418.91	262.61	33.13	69.06	1,091.51	501.08	8,525.90	8,437.83	88.07	96.808		
16,000.00	6,962.80	6,711.00	6,418.91	265.44	33.13	69.06	1,091.51	501.08	8,624.51	8,536.40	88.10	97.891		
16,100.00	6,963.07	6,711.00	6,418.91	268.28	33.13	69.06	1,091.51	501.08	8,723.14	8,635.01	88.14	98.971		
16,200.00	6,963.34	6,711.00	6,418.91	271.11	33.13	69.06	1,091.51	501.08	8,821.81	8,733.64	88.17	100.050		
16,300.00	6,963.60	6,711.00	6,418.91	273.95	33.13	69.06	1,091.51	501.08	8,920.51	8,832.30	88.21	101.127		
16,400.00	6,963.87	6,711.00	6,418.91	276.78	33.13	69.06	1,091.51	501.08	9,019.23	8,930.98	88.25	102.203		
16,500.00	6,964.13	6,711.00	6,418.91	279.62	33.13	69.06	1,091.51	501.08	9,117.98	9,029.70	88.29	103.277		
16,600.00	6,964.40	6,711.00	6,418.91	282.46	33.13	69.06	1,091.51	501.08	9,216.76	9,128.44	88.33	104.349		
16,700.00	6,964.67	6,711.00	6,418.91	285.29	33.13	69.06	1,091.51	501.08	9,315.57	9,227.20	88.37	105.419		
16,800.00	6,964.93	6,711.00	6,418.91	288.13	33.13	69.06	1,091.51	501.08	9,414.40	9,325.99	88.41	106.488		
16,900.00	6,965.20	6,711.00	6,418.91	290.97	33.13	69.06	1,091.51	501.08	9,513.25	9,424.80	88.45	107.555		
17,000.00	6,965.46	6,711.00	6,418.91	293.81	33.13	69.06	1,091.51	501.08	9,612.13	9,523.64	88.49	108.620		
17,100.00	6,965.73	6,711.00	6,418.91	296.65	33.13	69.06	1,091.51	501.08	9,711.03	9,622.50	88.54	109.683		
17,200.00	6,966.00	6,711.00	6,418.91	299.49	33.13	69.06	1,091.51	501.08	9,809.96	9,721.38	88.58	110.744		
17,300.00	6,966.26	6,711.00	6,418.91	302.32	33.13	69.06	1,091.51	501.08	9,908.90	9,820.28	88.63	111.803		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.29	-44.81	-0.56	44.82					
100.00	100.00	100.00	100.00	3.28	3.28	-179.29	-44.81	-0.56	44.82	38.25	6.57	6.822		
200.00	200.00	200.00	200.00	3.34	3.34	-179.29	-44.81	-0.56	44.82	38.14	6.67	6.715		
300.00	299.98	299.98	299.98	3.44	3.44	82.93	-44.81	-0.56	44.57	37.68	6.89	6.472		
325.42	325.38	325.18	325.18	3.48	3.48	84.08	-44.88	-0.47	44.51	37.56	6.96	6.399 CC, ES		
400.00	399.84	399.14	399.12	3.60	3.60	87.64	-45.80	0.85	45.00	37.80	7.19	6.255		
500.00	499.45	498.37	498.21	3.80	3.79	92.55	-48.75	5.07	47.20	39.61	7.59	6.219		
600.00	598.70	597.63	597.09	4.05	4.02	97.14	-53.67	12.10	51.22	43.15	8.07	6.347		
700.00	697.47	696.89	695.62	4.33	4.29	101.06	-60.56	21.93	57.01	48.39	8.63	6.610		
803.50	799.05	799.58	797.06	4.67	4.61	104.28	-69.74	35.04	64.82	55.54	9.28	6.985		
900.00	893.41	895.33	891.05	5.02	4.93	105.49	-80.17	49.93	73.22	63.27	9.95	7.356		
1,000.00	991.20	1,005.60	987.62	5.41	5.35	104.15	-92.85	68.04	82.50	71.74	10.75	7.672		
1,100.00	1,088.99	1,106.13	1,084.14	5.81	5.76	101.90	-106.65	87.75	92.20	80.64	11.56	7.974		
1,200.00	1,186.78	1,206.66	1,180.65	6.23	6.20	100.09	-120.45	107.47	102.03	89.62	12.41	8.222		
1,300.00	1,284.57	1,292.81	1,277.17	6.67	6.58	98.59	-134.25	127.18	111.93	98.72	13.22	8.468		
1,400.00	1,382.36	1,407.72	1,373.68	7.12	7.11	97.34	-148.06	146.89	121.90	107.72	14.18	8.597		
1,500.00	1,480.15	1,508.25	1,470.20	7.57	7.59	96.27	-161.86	166.60	131.92	116.83	15.09	8.740		
1,600.00	1,577.94	1,591.22	1,566.71	8.03	7.98	95.36	-175.66	186.31	141.98	126.04	15.94	8.907		
1,700.00	1,675.73	1,709.31	1,663.23	8.50	8.56	94.57	-189.46	206.02	152.07	135.10	16.97	8.963		
1,800.00	1,773.52	1,790.16	1,759.74	8.98	8.96	93.88	-203.27	225.74	162.18	144.36	17.82	9.099		
1,900.00	1,871.31	1,889.63	1,856.26	9.45	9.46	93.27	-217.07	245.45	172.32	153.54	18.78	9.175		
2,000.00	1,969.10	1,989.10	1,952.77	9.94	9.96	92.72	-230.87	265.16	182.47	162.72	19.74	9.242		
2,100.00	2,066.88	2,088.56	2,049.28	10.42	10.47	92.24	-244.67	284.87	192.63	171.92	20.72	9.299		
2,200.00	2,164.67	2,188.03	2,145.80	10.91	10.98	91.80	-258.48	304.58	202.81	181.12	21.69	9.350		
2,300.00	2,262.46	2,287.50	2,242.31	11.40	11.49	91.40	-272.28	324.30	213.00	190.33	22.67	9.394		
2,400.00	2,360.25	2,386.97	2,338.83	11.89	12.01	91.04	-286.08	344.01	223.20	199.54	23.66	9.434		
2,500.00	2,458.04	2,486.44	2,435.34	12.39	12.52	90.71	-299.88	363.72	233.41	208.76	24.65	9.469		
2,600.00	2,555.83	2,585.91	2,531.86	12.88	13.04	90.41	-313.69	383.43	243.62	217.98	25.64	9.501		
2,700.00	2,653.62	2,685.38	2,628.37	13.38	13.56	90.14	-327.49	403.14	253.84	227.20	26.64	9.529		
2,800.00	2,751.41	2,784.85	2,724.89	13.88	14.09	89.88	-341.29	422.86	264.06	236.42	27.64	9.554		
2,900.00	2,849.20	2,884.32	2,821.40	14.38	14.61	89.65	-355.09	442.57	274.29	245.65	28.64	9.578		
3,000.00	2,946.99	2,983.79	2,917.92	14.88	15.14	89.43	-368.89	462.28	284.53	254.88	29.64	9.598		
3,100.00	3,044.78	3,083.26	3,014.43	15.38	15.66	89.22	-382.70	481.99	294.76	264.11	30.65	9.618		
3,200.00	3,142.57	3,182.73	3,110.95	15.89	16.19	89.03	-396.50	501.70	305.00	273.35	31.66	9.635		
3,300.00	3,240.36	3,282.20	3,207.46	16.39	16.72	88.85	-410.30	521.42	315.25	282.58	32.66	9.651		
3,400.00	3,338.15	3,381.67	3,303.98	16.89	17.25	88.69	-424.10	541.13	325.49	291.82	33.68	9.666		
3,500.00	3,435.93	3,481.13	3,400.49	17.40	17.78	88.53	-437.91	560.84	335.74	301.06	34.69	9.679		
3,600.00	3,533.72	3,580.60	3,497.00	17.90	18.31	88.38	-451.71	580.55	346.00	310.30	35.70	9.692		
3,700.00	3,631.51	3,680.07	3,593.52	18.41	18.84	88.25	-465.51	600.26	356.25	319.53	36.71	9.703		
3,800.00	3,729.30	3,779.54	3,690.03	18.92	19.38	88.11	-479.31	619.98	366.51	328.78	37.73	9.714		
3,900.00	3,827.09	3,879.01	3,786.55	19.42	19.91	87.99	-493.12	639.69	376.76	338.02	38.75	9.724		
4,000.00	3,924.88	3,978.48	3,883.06	19.93	20.44	87.87	-506.92	659.40	387.02	347.26	39.76	9.733		
4,100.00	4,022.67	4,077.95	3,979.58	20.44	20.98	87.76	-520.72	679.11	397.28	356.50	40.78	9.742		
4,200.00	4,120.46	4,177.42	4,076.09	20.95	21.51	87.66	-534.52	698.82	407.55	365.75	41.80	9.750		
4,300.00	4,218.25	4,276.89	4,172.61	21.46	22.04	87.56	-548.33	718.53	417.81	374.99	42.82	9.758		
4,400.00	4,316.04	4,376.36	4,269.12	21.97	22.58	87.46	-562.13	738.25	428.07	384.23	43.84	9.765		
4,500.00	4,413.83	4,475.83	4,365.64	22.48	23.12	87.37	-575.93	757.96	438.34	393.48	44.86	9.771		
4,600.00	4,511.62	4,575.30	4,462.15	22.99	23.65	87.28	-589.73	777.67	448.61	402.73	45.88	9.778		
4,700.00	4,609.41	4,674.77	4,558.67	23.50	24.19	87.20	-603.54	797.38	458.87	411.97	46.90	9.784		
4,800.00	4,707.20	4,774.24	4,655.18	24.01	24.72	87.12	-617.34	817.09	469.14	421.22	47.92	9.789		
4,900.00	4,804.98	4,873.71	4,751.69	24.52	25.26	87.04	-631.14	836.81	479.41	430.46	48.95	9.794		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,902.77	4,973.17	4,848.21	25.03	25.80	86.97	-644.94	856.52	489.68	439.71	49.97	9.799		
5,100.00	5,000.56	5,072.64	4,944.72	25.54	26.33	86.90	-658.75	876.23	499.95	448.96	50.99	9.804		
5,200.00	5,098.35	5,172.11	5,041.24	26.05	26.87	86.83	-672.55	895.94	510.23	458.21	52.02	9.809		
5,300.00	5,196.14	5,271.58	5,137.75	26.56	27.41	86.77	-686.35	915.65	520.50	467.46	53.04	9.813		
5,400.00	5,293.93	5,371.05	5,234.27	27.07	27.95	86.71	-700.15	935.37	530.77	476.70	54.07	9.817		
5,500.00	5,391.72	5,470.52	5,330.78	27.58	28.48	86.65	-713.96	955.08	541.05	485.95	55.09	9.821		
5,600.00	5,489.51	5,569.99	5,427.30	28.09	29.02	86.59	-727.76	974.79	551.32	495.20	56.12	9.824		
5,700.00	5,587.30	5,669.46	5,523.81	28.61	29.56	86.54	-741.56	994.50	561.59	504.45	57.14	9.828		
5,800.00	5,685.09	5,768.93	5,620.33	29.12	30.10	86.48	-755.36	1,014.21	571.87	513.70	58.17	9.831		
5,900.00	5,782.88	5,868.40	5,716.84	29.63	30.64	86.43	-769.17	1,033.93	582.15	522.95	59.20	9.834		
6,000.00	5,880.67	5,967.87	5,813.36	30.14	31.17	86.38	-782.97	1,053.64	592.42	532.20	60.22	9.837		
6,100.00	5,978.46	6,067.34	5,909.87	30.65	31.71	86.33	-796.77	1,073.35	602.70	541.45	61.25	9.840		
6,200.00	6,076.25	6,166.81	6,006.39	31.17	32.25	86.29	-810.57	1,093.06	612.98	550.70	62.28	9.843		
6,298.86	6,172.92	6,265.14	6,101.80	31.67	32.78	86.24	-824.22	1,112.55	623.14	559.84	63.29	9.846		
6,300.00	6,174.03	6,266.28	6,102.90	31.68	32.79	86.17	-824.38	1,112.77	623.25	559.95	63.30	9.846		
6,350.00	6,223.30	6,315.97	6,151.12	31.92	33.06	80.25	-831.27	1,122.62	628.15	564.36	63.79	9.847		
6,400.00	6,273.06	6,365.38	6,199.06	32.13	33.33	58.70	-838.13	1,132.41	632.62	568.39	64.22	9.850		
6,450.00	6,323.01	6,414.20	6,246.43	32.32	33.59	-32.23	-844.90	1,142.09	636.73	572.13	64.60	9.857		
6,500.00	6,372.84	6,462.13	6,292.94	32.48	33.85	-65.31	-851.55	1,151.59	640.63	575.70	64.93	9.867		
6,550.00	6,422.24	6,508.87	6,338.29	32.65	34.10	-74.16	-858.04	1,160.85	644.55	579.32	65.23	9.881		
6,600.00	6,470.92	6,554.14	6,382.21	32.83	34.35	-78.76	-864.32	1,169.82	648.73	583.23	65.50	9.904		
6,650.00	6,518.56	6,602.35	6,424.44	33.01	34.61	-82.00	-870.36	1,178.44	653.50	587.73	65.77	9.936		
6,700.00	6,564.89	6,639.15	6,464.70	33.21	34.81	-84.62	-876.12	1,186.67	659.17	593.20	65.96	9.993		
6,750.00	6,609.60	6,680.88	6,505.29	33.43	35.03	-86.95	-881.92	1,194.43	666.04	599.87	66.17	10.065		
6,800.00	6,652.43	6,725.48	6,549.08	33.66	35.25	-89.12	-888.20	1,199.97	674.13	607.71	66.42	10.149		
6,850.00	6,693.10	6,772.46	6,595.51	33.91	35.45	-91.15	-894.88	1,202.43	683.37	616.68	66.69	10.248		
6,900.00	6,731.38	6,822.31	6,644.83	34.20	35.63	-93.10	-901.98	1,201.25	693.70	626.73	66.96	10.360		
6,950.00	6,767.02	6,875.63	6,697.29	34.51	35.81	-95.01	-909.56	1,195.69	704.99	637.76	67.23	10.486		
7,000.00	6,799.81	6,933.16	6,753.17	34.85	35.98	-96.90	-917.66	1,184.73	717.10	649.62	67.47	10.628		
7,050.00	6,829.54	6,995.84	6,812.65	35.24	36.17	-98.82	-926.31	1,167.05	729.82	662.16	67.66	10.786		
7,100.00	6,856.03	7,064.80	6,875.74	35.66	36.39	-100.79	-935.52	1,140.88	742.88	675.12	67.76	10.963		
7,150.00	6,879.11	7,141.36	6,942.04	36.12	36.65	-102.80	-945.24	1,103.94	755.94	688.18	67.76	11.157		
7,200.00	6,898.65	7,227.00	7,010.39	36.62	36.99	-104.84	-955.32	1,053.44	768.57	700.89	67.68	11.356		
7,250.00	6,914.51	7,323.14	7,078.33	37.15	37.44	-106.84	-965.43	986.31	780.22	712.58	67.64	11.535		
7,300.00	6,926.62	7,430.73	7,141.53	37.73	38.08	-108.70	-974.94	899.91	790.28	722.40	67.88	11.642		
7,350.00	6,934.88	7,549.61	7,193.51	38.34	38.98	-110.23	-982.93	793.50	798.03	729.27	68.76	11.606		
7,400.00	6,939.26	7,677.71	7,226.58	38.97	40.19	-111.23	-988.28	670.08	802.81	732.17	70.64	11.365		
7,429.12	6,940.00	7,754.96	7,234.44	39.34	41.03	-111.49	-989.78	593.28	804.03	731.81	72.22	11.133		
7,500.00	6,940.19	7,841.86	7,235.13	40.31	42.07	-111.52	-990.29	506.39	804.20	729.82	74.38	10.812		
7,600.00	6,940.46	7,941.86	7,235.35	41.80	43.41	-111.51	-990.80	406.40	804.30	727.16	77.14	10.426		
7,700.00	6,940.72	8,041.86	7,235.56	43.43	44.90	-111.50	-991.31	306.40	804.41	724.23	80.17	10.033		
7,800.00	6,940.99	8,141.86	7,235.77	45.19	46.53	-111.49	-991.82	206.40	804.51	721.07	83.44	9.642		
7,900.00	6,941.25	8,241.86	7,235.99	47.05	48.28	-111.49	-992.33	106.40	804.62	717.70	86.92	9.257		
8,000.00	6,941.52	8,341.86	7,236.20	49.02	50.14	-111.48	-992.84	6.40	804.72	714.14	90.58	8.884		
8,100.00	6,941.79	8,441.86	7,236.41	51.06	52.09	-111.47	-993.34	-93.60	804.82	710.42	94.41	8.525		
8,200.00	6,942.05	8,541.86	7,236.62	53.18	54.13	-111.47	-993.85	-193.59	804.93	706.55	98.38	8.182		
8,300.00	6,942.32	8,641.86	7,236.84	55.37	56.24	-111.46	-994.36	-293.59	805.03	702.55	102.48	7.856		
8,400.00	6,942.58	8,741.86	7,237.05	57.62	58.42	-111.45	-994.87	-393.59	805.14	698.44	106.69	7.546		
8,500.00	6,942.85	8,841.86	7,237.26	59.92	60.66	-111.45	-995.38	-493.59	805.24	694.23	111.01	7.254		
8,600.00	6,943.12	8,941.86	7,237.48	62.26	62.95	-111.44	-995.89	-593.59	805.35	689.93	115.42	6.978		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	9,041.86	7,237.69	64.65	65.28	-111.43	-996.39	-693.59	805.45	685.55	119.90	6.718		
8,800.00	6,943.65	9,141.86	7,237.90	67.08	67.66	-111.43	-996.90	-793.58	805.56	681.10	124.46	6.473		
8,900.00	6,943.91	9,241.86	7,238.12	69.53	70.07	-111.42	-997.41	-893.58	805.66	676.58	129.08	6.242		
9,000.00	6,944.18	9,341.86	7,238.33	72.02	72.52	-111.41	-997.92	-993.58	805.76	672.01	133.75	6.024		
9,100.00	6,944.45	9,441.86	7,238.54	74.54	74.99	-111.40	-998.43	-1,093.58	805.87	667.39	138.48	5.819		
9,200.00	6,944.71	9,541.86	7,238.75	77.07	77.49	-111.40	-998.94	-1,193.58	805.97	662.72	143.26	5.626		
9,300.00	6,944.98	9,641.86	7,238.97	79.63	80.02	-111.39	-999.44	-1,293.58	806.08	658.00	148.07	5.444		
9,400.00	6,945.24	9,741.86	7,239.18	82.21	82.57	-111.38	-999.95	-1,393.57	806.18	653.25	152.93	5.272		
9,500.00	6,945.51	9,841.86	7,239.39	84.81	85.14	-111.38	-1,000.46	-1,493.57	806.29	648.47	157.82	5.109		
9,600.00	6,945.78	9,941.86	7,239.61	87.43	87.72	-111.37	-1,000.97	-1,593.57	806.39	643.65	162.74	4.955		
9,700.00	6,946.04	10,041.86	7,239.82	90.05	90.33	-111.36	-1,001.48	-1,693.57	806.50	638.81	167.69	4.809		
9,800.00	6,946.31	10,141.86	7,240.03	92.70	92.95	-111.36	-1,001.98	-1,793.57	806.60	633.94	172.66	4.671		
9,900.00	6,946.57	10,241.86	7,240.25	95.35	95.58	-111.35	-1,002.49	-1,893.57	806.70	629.04	177.66	4.541		
10,000.00	6,946.84	10,341.86	7,240.46	98.02	98.22	-111.34	-1,003.00	-1,993.57	806.81	624.12	182.69	4.416		
10,100.00	6,947.11	10,441.86	7,240.67	100.70	100.88	-111.33	-1,003.51	-2,093.56	806.91	619.18	187.73	4.298		
10,200.00	6,947.37	10,541.86	7,240.89	103.38	103.55	-111.33	-1,004.02	-2,193.56	807.02	614.23	192.79	4.186		
10,300.00	6,947.64	10,641.86	7,241.10	106.08	106.23	-111.32	-1,004.53	-2,293.56	807.12	609.25	197.87	4.079		
10,400.00	6,947.90	10,741.86	7,241.31	108.78	108.91	-111.31	-1,005.03	-2,393.56	807.23	604.26	202.97	3.977		
10,500.00	6,948.17	10,841.86	7,241.52	111.49	111.61	-111.31	-1,005.54	-2,493.56	807.33	599.26	208.08	3.880		
10,600.00	6,948.44	10,941.86	7,241.74	114.21	114.31	-111.30	-1,006.05	-2,593.56	807.44	594.24	213.20	3.787		
10,700.00	6,948.70	11,041.86	7,241.95	116.94	117.02	-111.29	-1,006.56	-2,693.55	807.54	589.20	218.34	3.699		
10,800.00	6,948.97	11,141.86	7,242.16	119.67	119.74	-111.29	-1,007.07	-2,793.55	807.65	584.16	223.49	3.614		
10,900.00	6,949.24	11,241.86	7,242.38	122.41	122.46	-111.28	-1,007.58	-2,893.55	807.75	579.10	228.65	3.533		
11,000.00	6,949.50	11,341.86	7,242.59	125.15	125.19	-111.27	-1,008.08	-2,993.55	807.85	574.03	233.82	3.455		
11,100.00	6,949.77	11,441.86	7,242.80	127.90	127.93	-111.27	-1,008.59	-3,093.55	807.96	568.96	239.00	3.381		
11,200.00	6,950.03	11,541.86	7,243.02	130.65	130.67	-111.26	-1,009.10	-3,193.55	808.06	563.87	244.19	3.309		
11,300.00	6,950.30	11,641.86	7,243.23	133.41	133.42	-111.25	-1,009.61	-3,293.54	808.17	558.78	249.39	3.241		
11,400.00	6,950.57	11,741.86	7,243.44	136.17	136.17	-111.24	-1,010.12	-3,393.54	808.27	553.67	254.60	3.175		
11,500.00	6,950.83	11,841.86	7,243.65	138.94	138.92	-111.24	-1,010.63	-3,493.54	808.38	548.56	259.82	3.111		
11,600.00	6,951.10	11,941.86	7,243.87	141.71	141.68	-111.23	-1,011.13	-3,593.54	808.48	543.44	265.04	3.050		
11,700.00	6,951.36	12,041.86	7,244.08	144.48	144.45	-111.22	-1,011.64	-3,693.54	808.59	538.32	270.27	2.992		
11,800.00	6,951.63	12,141.86	7,244.29	147.26	147.21	-111.22	-1,012.15	-3,793.54	808.69	533.18	275.51	2.935		
11,900.00	6,951.90	12,241.86	7,244.51	150.03	149.98	-111.21	-1,012.66	-3,893.53	808.80	528.05	280.75	2.881		
12,000.00	6,952.16	12,341.86	7,244.72	152.82	152.76	-111.20	-1,013.17	-3,993.53	808.90	522.90	286.00	2.828		
12,100.00	6,952.43	12,441.86	7,244.93	155.60	155.53	-111.20	-1,013.67	-4,093.53	809.01	517.75	291.25	2.778		
12,200.00	6,952.69	12,541.86	7,245.15	158.39	158.31	-111.19	-1,014.18	-4,193.53	809.11	512.60	296.51	2.729		
12,300.00	6,952.96	12,641.86	7,245.36	161.18	161.10	-111.18	-1,014.69	-4,293.53	809.22	507.44	301.78	2.681		
12,400.00	6,953.23	12,741.86	7,245.57	163.97	163.88	-111.18	-1,015.20	-4,393.53	809.32	502.27	307.05	2.636		
12,500.00	6,953.49	12,841.86	7,245.78	166.77	166.67	-111.17	-1,015.71	-4,493.52	809.43	497.10	312.33	2.592		
12,600.00	6,953.76	12,941.86	7,246.00	169.56	169.46	-111.16	-1,016.22	-4,593.52	809.53	491.93	317.60	2.549		
12,700.00	6,954.02	13,041.86	7,246.21	172.36	172.25	-111.15	-1,016.72	-4,693.52	809.63	486.75	322.89	2.507		
12,800.00	6,954.29	13,141.86	7,246.42	175.16	175.04	-111.15	-1,017.23	-4,793.52	809.74	481.56	328.18	2.467		
12,900.00	6,954.56	13,241.86	7,246.64	177.97	177.84	-111.14	-1,017.74	-4,893.52	809.84	476.38	333.47	2.429		
13,000.00	6,954.82	13,341.86	7,246.85	180.77	180.64	-111.13	-1,018.25	-4,993.52	809.95	471.19	338.76	2.391		
13,100.00	6,955.09	13,441.86	7,247.06	183.58	183.44	-111.13	-1,018.76	-5,093.51	810.05	465.99	344.06	2.354		
13,200.00	6,955.35	13,541.86	7,247.28	186.38	186.24	-111.12	-1,019.27	-5,193.51	810.16	460.80	349.36	2.319		
13,300.00	6,955.62	13,641.86	7,247.49	189.19	189.04	-111.11	-1,019.77	-5,293.51	810.26	455.59	354.67	2.285		
13,400.00	6,955.89	13,741.86	7,247.70	192.00	191.85	-111.11	-1,020.28	-5,393.51	810.37	450.39	359.98	2.251		
13,500.00	6,956.15	13,841.86	7,247.91	194.82	194.66	-111.10	-1,020.79	-5,493.51	810.47	445.18	365.29	2.219		
13,600.00	6,956.42	13,941.86	7,248.13	197.63	197.47	-111.09	-1,021.30	-5,593.51	810.58	439.97	370.60	2.187		
13,700.00	6,956.68	14,041.86	7,248.34	200.44	200.27	-111.09	-1,021.81	-5,693.51	810.68	434.76	375.92	2.157		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 16C-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			
13,800.00	6,956.95	14,141.86	7,248.55	203.26	203.09	-111.08	-1,022.31	-5,793.50	810.79	429.55	381.24	2.127			
13,900.00	6,957.22	14,241.86	7,248.77	206.08	205.90	-111.07	-1,022.82	-5,893.50	810.89	424.33	386.56	2.098			
14,000.00	6,957.48	14,341.86	7,248.98	208.89	208.71	-111.07	-1,023.33	-5,993.50	811.00	419.11	391.89	2.069			
14,100.00	6,957.75	14,441.86	7,249.19	211.71	211.53	-111.06	-1,023.84	-6,093.50	811.10	413.89	397.22	2.042			
14,200.00	6,958.02	14,541.86	7,249.41	214.53	214.34	-111.05	-1,024.35	-6,193.50	811.21	408.66	402.55	2.015			
14,300.00	6,958.28	14,641.86	7,249.62	217.36	217.16	-111.04	-1,024.86	-6,293.50	811.31	403.43	407.88	1.989			
14,400.00	6,958.55	14,741.86	7,249.83	220.18	219.98	-111.04	-1,025.36	-6,393.49	811.42	398.20	413.22	1.964			
14,500.00	6,958.81	14,841.86	7,250.04	223.00	222.80	-111.03	-1,025.87	-6,493.49	811.52	392.97	418.55	1.939			
14,600.00	6,959.08	14,941.86	7,250.26	225.83	225.62	-111.02	-1,026.38	-6,593.49	811.63	387.74	423.89	1.915			
14,700.00	6,959.35	15,041.86	7,250.47	228.65	228.44	-111.02	-1,026.89	-6,693.49	811.73	382.50	429.23	1.891			
14,800.00	6,959.61	15,141.86	7,250.68	231.48	231.26	-111.01	-1,027.40	-6,793.49	811.84	377.26	434.58	1.868			
14,900.00	6,959.88	15,241.86	7,250.90	234.30	234.08	-111.00	-1,027.91	-6,893.49	811.94	372.02	439.92	1.846			
15,000.00	6,960.14	15,341.86	7,251.11	237.13	236.91	-111.00	-1,028.41	-6,993.48	812.05	366.78	445.27	1.824			
15,100.00	6,960.41	15,441.86	7,251.32	239.96	239.73	-110.99	-1,028.92	-7,093.48	812.15	361.54	450.62	1.802			
15,200.00	6,960.68	15,541.86	7,251.54	242.79	242.56	-110.98	-1,029.43	-7,193.48	812.26	356.29	455.97	1.781			
15,300.00	6,960.94	15,641.86	7,251.75	245.62	245.38	-110.98	-1,029.94	-7,293.48	812.36	351.05	461.32	1.761			
15,400.00	6,961.21	15,741.86	7,251.96	248.45	248.21	-110.97	-1,030.45	-7,393.48	812.47	345.80	466.67	1.741			
15,500.00	6,961.47	15,841.86	7,252.17	251.28	251.04	-110.96	-1,030.96	-7,493.48	812.57	340.55	472.03	1.721			
15,600.00	6,961.74	15,941.86	7,252.39	254.11	253.87	-110.96	-1,031.46	-7,593.47	812.68	335.30	477.38	1.702			
15,700.00	6,962.01	16,041.86	7,252.60	256.94	256.69	-110.95	-1,031.97	-7,693.47	812.79	330.04	482.74	1.684			
15,800.00	6,962.27	16,141.86	7,252.81	259.77	259.52	-110.94	-1,032.48	-7,793.47	812.89	324.79	488.10	1.665			
15,900.00	6,962.54	16,241.85	7,253.03	262.61	262.35	-110.94	-1,032.99	-7,893.47	813.00	319.53	493.46	1.648			
16,000.00	6,962.80	16,341.85	7,253.24	265.44	265.19	-110.93	-1,033.50	-7,993.47	813.10	314.27	498.83	1.630			
16,100.00	6,963.07	16,441.85	7,253.45	268.28	268.02	-110.92	-1,034.00	-8,093.47	813.21	309.01	504.19	1.613			
16,200.00	6,963.34	16,541.85	7,253.67	271.11	270.85	-110.91	-1,034.51	-8,193.46	813.31	303.75	509.56	1.596			
16,300.00	6,963.60	16,641.85	7,253.88	273.95	273.68	-110.91	-1,035.02	-8,293.46	813.42	298.49	514.92	1.580			
16,400.00	6,963.87	16,741.85	7,254.09	276.78	276.51	-110.90	-1,035.53	-8,393.46	813.52	293.23	520.29	1.564			
16,500.00	6,964.13	16,841.85	7,254.30	279.62	279.35	-110.89	-1,036.04	-8,493.46	813.63	287.96	525.66	1.548			
16,600.00	6,964.40	16,941.85	7,254.52	282.46	282.18	-110.89	-1,036.55	-8,593.46	813.73	282.70	531.03	1.532			
16,700.00	6,964.67	17,041.85	7,254.73	285.29	285.02	-110.88	-1,037.05	-8,693.46	813.84	277.43	536.41	1.517			
16,800.00	6,964.93	17,141.85	7,254.94	288.13	287.85	-110.87	-1,037.56	-8,793.45	813.94	272.16	541.78	1.502			
16,900.00	6,965.20	17,241.85	7,255.16	290.97	290.69	-110.87	-1,038.07	-8,893.45	814.05	266.89	547.15	1.488 Level 3			
17,000.00	6,965.46	17,341.85	7,255.37	293.81	293.52	-110.86	-1,038.58	-8,993.45	814.15	261.62	552.53	1.474 Level 3			
17,100.00	6,965.73	17,441.85	7,255.58	296.65	296.36	-110.85	-1,039.09	-9,093.45	814.26	256.35	557.91	1.459 Level 3			
17,200.00	6,966.00	17,541.85	7,255.80	299.49	299.20	-110.85	-1,039.60	-9,193.45	814.36	251.08	563.28	1.446 Level 3			
17,300.00	6,966.26	17,641.85	7,256.01	302.32	302.03	-110.84	-1,040.10	-9,293.45	814.47	245.81	568.66	1.432 Level 3			
17,400.00	6,966.53	17,741.85	7,256.22	305.16	304.87	-110.83	-1,040.61	-9,393.45	814.57	240.53	574.04	1.419 Level 3			
17,500.00	6,966.80	17,841.85	7,256.43	308.00	307.71	-110.83	-1,041.12	-9,493.44	814.68	235.26	579.42	1.406 Level 3			
17,600.00	6,967.06	17,941.85	7,256.65	310.85	310.55	-110.82	-1,041.63	-9,593.44	814.79	229.98	584.81	1.393 Level 3			
17,700.00	6,967.33	18,041.85	7,256.86	313.69	313.39	-110.81	-1,042.14	-9,693.44	814.89	224.70	590.19	1.381 Level 3			
17,800.00	6,967.59	18,141.85	7,257.07	316.53	316.23	-110.81	-1,042.65	-9,793.44	815.00	219.42	595.57	1.368 Level 3			
17,900.00	6,967.86	18,241.85	7,257.29	319.37	319.07	-110.80	-1,043.15	-9,893.44	815.10	214.14	600.96	1.356 Level 3			
18,000.00	6,968.13	18,341.85	7,257.50	322.21	321.91	-110.79	-1,043.66	-9,993.44	815.21	208.86	606.35	1.344 Level 3			
18,100.00	6,968.39	18,441.85	7,257.71	325.05	324.75	-110.79	-1,044.17	-10,093.43	815.31	203.58	611.73	1.333 Level 3			
18,200.00	6,968.66	18,541.85	7,257.93	327.90	327.59	-110.78	-1,044.68	-10,193.43	815.42	198.30	617.12	1.321 Level 3			
18,300.00	6,968.92	18,641.85	7,258.14	330.74	330.43	-110.77	-1,045.19	-10,293.43	815.52	193.01	622.51	1.310 Level 3			
18,400.00	6,969.19	18,741.85	7,258.35	333.58	333.27	-110.76	-1,045.69	-10,393.43	815.63	187.73	627.90	1.299 Level 3			
18,500.00	6,969.46	18,841.85	7,258.56	336.43	336.11	-110.76	-1,046.20	-10,493.43	815.73	182.44	633.29	1.288 Level 3			
18,600.00	6,969.72	18,941.85	7,258.78	339.27	338.95	-110.75	-1,046.71	-10,593.43	815.84	177.16	638.68	1.277 Level 3			
18,704.56	6,970.00	19,046.41	7,259.00	342.24	341.92	-110.74	-1,047.24	-10,697.98	815.95	171.63	644.32	1.266 Level 3, 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-59.75	-0.56	59.75					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-59.75	-0.56	59.75	53.18	6.57	9.096		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-59.75	-0.56	59.75	53.08	6.67	8.953 CC, ES		
300.00	299.98	298.60	298.58	3.44	3.44	80.94	-60.91	0.68	60.63	53.74	6.89	8.805		
400.00	399.84	397.15	396.99	3.60	3.59	82.08	-64.37	4.40	63.28	56.08	7.20	8.790		
500.00	499.45	495.58	495.06	3.80	3.79	83.78	-70.14	10.59	67.73	60.13	7.61	8.903		
600.00	598.70	593.85	592.62	4.05	4.02	85.79	-78.19	19.21	74.06	65.96	8.10	9.143		
700.00	697.47	691.91	689.49	4.33	4.30	87.90	-88.48	30.25	82.29	73.62	8.67	9.494		
803.50	799.05	793.11	788.88	4.67	4.63	90.01	-101.47	44.19	92.84	83.52	9.33	9.954		
900.00	893.41	887.19	880.61	5.02	4.97	91.17	-115.69	59.43	104.51	94.51	10.00	10.447		
1,000.00	991.20	984.27	974.51	5.41	5.35	90.74	-132.51	77.47	118.34	107.58	10.76	10.998		
1,100.00	1,088.99	1,082.94	1,069.43	5.81	5.78	89.68	-150.89	97.18	133.21	121.65	11.56	11.525		
1,200.00	1,186.78	1,181.80	1,164.52	6.23	6.23	88.82	-169.31	116.94	148.13	135.74	12.39	11.953		
1,300.00	1,284.57	1,280.66	1,259.62	6.67	6.70	88.12	-187.74	136.70	163.07	149.82	13.26	12.302		
1,400.00	1,382.36	1,379.52	1,354.71	7.12	7.18	87.54	-206.17	156.46	178.03	163.89	14.14	12.589		
1,500.00	1,480.15	1,478.38	1,449.81	7.57	7.68	87.05	-224.59	176.21	193.01	177.97	15.05	12.827		
1,600.00	1,577.94	1,577.24	1,544.91	8.03	8.18	86.63	-243.02	195.97	208.00	192.03	15.97	13.025		
1,700.00	1,675.73	1,676.09	1,640.00	8.50	8.69	86.26	-261.44	215.73	223.00	206.10	16.90	13.192		
1,800.00	1,773.52	1,774.95	1,735.10	8.98	9.21	85.94	-279.87	235.49	238.01	220.16	17.85	13.334		
1,900.00	1,871.31	1,873.81	1,830.19	9.45	9.73	85.66	-298.29	255.25	253.02	234.22	18.81	13.454		
2,000.00	1,969.10	1,972.67	1,925.29	9.94	10.26	85.41	-316.72	275.01	268.04	248.27	19.77	13.558		
2,100.00	2,066.88	2,071.53	2,020.39	10.42	10.79	85.19	-335.14	294.77	283.07	262.32	20.74	13.647		
2,200.00	2,164.67	2,170.39	2,115.48	10.91	11.33	84.99	-353.57	314.53	298.09	276.37	21.72	13.725		
2,300.00	2,262.46	2,269.25	2,210.58	11.40	11.87	84.81	-372.00	334.29	313.12	290.42	22.70	13.793		
2,400.00	2,360.25	2,368.11	2,305.67	11.89	12.41	84.64	-390.42	354.05	328.16	304.47	23.69	13.852		
2,500.00	2,458.04	2,466.97	2,400.77	12.39	12.95	84.49	-408.85	373.80	343.19	318.51	24.68	13.905		
2,600.00	2,555.83	2,565.83	2,495.87	12.88	13.50	84.36	-427.27	393.56	358.23	332.55	25.68	13.952		
2,700.00	2,653.62	2,664.69	2,590.96	13.38	14.04	84.23	-445.70	413.32	373.27	346.59	26.68	13.993		
2,800.00	2,751.41	2,763.55	2,686.06	13.88	14.59	84.11	-464.12	433.08	388.31	360.63	27.68	14.030		
2,900.00	2,849.20	2,862.41	2,781.16	14.38	15.14	84.01	-482.55	452.84	403.35	374.67	28.68	14.064		
3,000.00	2,946.99	2,961.27	2,876.25	14.88	15.70	83.91	-500.98	472.60	418.40	388.71	29.69	14.094		
3,100.00	3,044.78	3,060.13	2,971.35	15.38	16.25	83.81	-519.40	492.36	433.44	402.75	30.70	14.121		
3,200.00	3,142.57	3,158.99	3,066.44	15.89	16.80	83.73	-537.83	512.12	448.49	416.78	31.71	14.145		
3,300.00	3,240.36	3,257.84	3,161.54	16.39	17.36	83.64	-556.25	531.88	463.54	430.82	32.72	14.167		
3,400.00	3,338.15	3,356.70	3,256.64	16.89	17.91	83.57	-574.68	551.64	478.58	444.85	33.73	14.188		
3,500.00	3,435.93	3,455.56	3,351.73	17.40	18.47	83.50	-593.10	571.39	493.63	458.89	34.75	14.206		
3,600.00	3,533.72	3,554.42	3,446.83	17.90	19.02	83.43	-611.53	591.15	508.68	472.92	35.76	14.223		
3,700.00	3,631.51	3,653.28	3,541.92	18.41	19.58	83.37	-629.95	610.91	523.73	486.95	36.78	14.239		
3,800.00	3,729.30	3,752.14	3,637.02	18.92	20.14	83.31	-648.38	630.67	538.78	500.98	37.80	14.253		
3,900.00	3,827.09	3,851.00	3,732.12	19.42	20.70	83.25	-666.81	650.43	553.83	515.01	38.82	14.267		
4,000.00	3,924.88	3,949.86	3,827.21	19.93	21.26	83.20	-685.23	670.19	568.89	529.05	39.84	14.279		
4,100.00	4,022.67	4,048.72	3,922.31	20.44	21.81	83.14	-703.66	689.95	583.94	543.08	40.86	14.290		
4,200.00	4,120.46	4,147.58	4,017.40	20.95	22.37	83.10	-722.08	709.71	598.99	557.11	41.89	14.301		
4,300.00	4,218.25	4,246.44	4,112.50	21.46	22.93	83.05	-740.51	729.47	614.04	571.14	42.91	14.311		
4,400.00	4,316.04	4,345.30	4,207.60	21.97	23.50	83.01	-758.93	749.23	629.10	585.17	43.93	14.320		
4,500.00	4,413.83	4,444.16	4,302.69	22.48	24.06	82.96	-777.36	768.98	644.15	599.19	44.96	14.328		
4,600.00	4,511.62	4,543.02	4,397.79	22.99	24.62	82.92	-795.78	788.74	659.21	613.22	45.98	14.336		
4,700.00	4,609.41	4,641.88	4,492.88	23.50	25.18	82.89	-814.21	808.50	674.26	627.25	47.01	14.344		
4,800.00	4,707.20	4,740.74	4,587.98	24.01	25.74	82.85	-832.64	828.26	689.31	641.28	48.03	14.350		
4,900.00	4,804.98	4,839.59	4,683.08	24.52	26.30	82.82	-851.06	848.02	704.37	655.31	49.06	14.357		
5,000.00	4,902.77	4,938.45	4,778.17	25.03	26.86	82.78	-869.49	867.78	719.42	669.34	50.09	14.363		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 16N-9B-L - OH - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,100.00	5,000.56	5,037.31	4,873.27	25.54	27.43	82.75	-887.91	887.54	734.48	683.36	51.12	14.369					
5,200.00	5,098.35	5,136.17	4,968.36	26.05	27.99	82.72	-906.34	907.30	749.54	697.39	52.14	14.374					
5,300.00	5,196.14	5,235.03	5,063.46	26.56	28.55	82.69	-924.76	927.06	764.59	711.42	53.17	14.379					
5,400.00	5,293.93	5,333.89	5,158.56	27.07	29.11	82.66	-943.19	946.82	779.65	725.45	54.20	14.384					
5,500.00	5,391.72	5,432.75	5,253.65	27.58	29.68	82.63	-961.61	966.58	794.70	739.47	55.23	14.389					
5,600.00	5,489.51	5,531.61	5,348.75	28.09	30.24	82.61	-980.04	986.33	809.76	753.50	56.26	14.393					
5,700.00	5,587.30	5,630.47	5,443.84	28.61	30.80	82.58	-998.47	1,006.09	824.82	767.53	57.29	14.397					
5,800.00	5,685.09	5,729.33	5,538.94	29.12	31.37	82.56	-1,016.89	1,025.85	839.87	781.55	58.32	14.401					
5,900.00	5,782.88	5,828.19	5,634.04	29.63	31.93	82.53	-1,035.32	1,045.61	854.93	795.58	59.35	14.404					
6,000.00	5,880.67	5,927.05	5,729.13	30.14	32.50	82.51	-1,053.74	1,065.37	869.99	809.60	60.38	14.408					
6,100.00	5,978.46	6,025.91	5,824.23	30.65	33.06	82.49	-1,072.17	1,085.13	885.04	823.63	61.41	14.411					
6,200.00	6,076.25	6,124.77	5,919.32	31.17	33.62	82.47	-1,090.59	1,104.89	900.10	837.66	62.45	14.414					
6,298.86	6,172.92	6,222.50	6,013.34	31.67	34.18	82.45	-1,108.81	1,124.42	914.99	851.52	63.47	14.417					
6,300.00	6,174.03	6,223.63	6,014.42	31.68	34.19	82.38	-1,109.02	1,124.65	915.16	851.68	63.48	14.417					
6,350.00	6,223.30	6,273.01	6,061.92	31.92	34.47	76.77	-1,118.22	1,134.52	922.58	858.61	63.97	14.423					
6,400.00	6,273.06	6,322.10	6,109.15	32.13	34.75	55.64	-1,127.37	1,144.33	929.79	865.39	64.40	14.437					
6,450.00	6,323.01	6,370.59	6,155.79	32.32	35.03	-34.73	-1,136.41	1,154.02	936.82	872.03	64.79	14.460					
6,500.00	6,372.84	6,418.19	6,201.58	32.48	35.30	-67.16	-1,145.28	1,163.53	943.75	878.62	65.13	14.490					
6,550.00	6,422.24	6,464.60	6,246.22	32.65	35.56	-75.27	-1,153.93	1,172.81	950.69	885.24	65.45	14.526					
6,600.00	6,470.92	6,509.53	6,289.44	32.83	35.82	-79.07	-1,162.31	1,181.79	957.80	892.05	65.74	14.569					
6,650.00	6,518.56	6,553.45	6,331.74	33.01	36.07	-81.47	-1,170.50	1,190.32	965.24	899.21	66.02	14.619					
6,700.00	6,564.89	6,599.05	6,376.08	33.21	36.31	-83.24	-1,179.08	1,196.54	973.07	906.75	66.33	14.671					
6,750.00	6,609.60	6,646.52	6,422.58	33.43	36.52	-84.67	-1,188.05	1,199.56	981.27	914.62	66.65	14.723					
6,800.00	6,652.43	6,696.12	6,471.27	33.66	36.72	-85.91	-1,197.42	1,198.95	989.77	922.77	67.00	14.773					
6,850.00	6,693.10	6,748.20	6,522.19	33.91	36.89	-87.03	-1,207.19	1,194.15	998.52	931.15	67.38	14.820					
6,900.00	6,731.38	6,803.13	6,575.29	34.20	37.06	-88.09	-1,217.36	1,184.52	1,007.44	939.65	67.79	14.861					
6,950.00	6,767.02	6,861.35	6,630.45	34.51	37.22	-89.11	-1,227.89	1,169.26	1,016.44	948.19	68.25	14.894					
7,000.00	6,799.81	6,923.32	6,687.42	34.85	37.39	-90.12	-1,238.73	1,147.46	1,025.39	956.65	68.74	14.918					
7,050.00	6,829.54	6,989.56	6,745.70	35.24	37.58	-91.12	-1,249.77	1,118.05	1,034.15	964.89	69.27	14.930					
7,100.00	6,856.03	7,060.58	6,804.49	35.66	37.80	-92.11	-1,260.87	1,079.86	1,042.56	972.71	69.85	14.926					
7,150.00	6,879.11	7,136.83	6,862.56	36.12	38.07	-93.09	-1,271.76	1,031.72	1,050.41	979.90	70.51	14.898					
7,200.00	6,898.65	7,218.64	6,918.10	36.62	38.42	-94.04	-1,282.11	972.63	1,057.49	986.19	71.30	14.831					
7,250.00	6,914.51	7,306.09	6,968.72	37.15	38.87	-94.91	-1,291.44	902.03	1,063.55	991.26	72.29	14.712					
7,300.00	6,926.62	7,398.85	7,011.51	37.73	39.47	-95.65	-1,299.19	820.18	1,068.35	994.77	73.58	14.520					
7,350.00	6,934.88	7,496.13	7,043.36	38.34	40.23	-96.23	-1,304.78	728.54	1,071.66	996.44	75.22	14.248					
7,400.00	6,939.26	7,596.56	7,061.49	38.97	41.17	-96.59	-1,307.69	629.90	1,073.29	996.07	77.22	13.899					
7,429.12	6,940.00	7,655.81	7,064.95	39.34	41.79	-96.68	-1,308.01	570.78	1,073.42	994.90	78.52	13.670					
7,500.00	6,940.19	7,729.78	7,065.23	40.31	42.65	-96.69	-1,307.62	496.80	1,072.80	992.31	80.50	13.327					
7,600.00	6,940.46	7,829.78	7,065.58	41.80	43.94	-96.70	-1,307.10	396.81	1,071.92	988.49	83.43	12.848					
7,700.00	6,940.72	7,929.77	7,065.92	43.43	45.40	-96.71	-1,306.58	296.82	1,071.03	984.39	86.64	12.362					
7,800.00	6,940.99	8,029.77	7,066.26	45.19	47.00	-96.72	-1,306.05	196.82	1,070.15	980.06	90.09	11.879					
7,900.00	6,941.25	8,129.77	7,066.61	47.05	48.73	-96.73	-1,305.53	96.83	1,069.26	975.50	93.76	11.404					
8,000.00	6,941.52	8,229.76	7,066.95	49.02	50.57	-96.74	-1,305.00	-3.16	1,068.38	970.75	97.62	10.944					
8,100.00	6,941.79	8,329.76	7,067.29	51.06	52.51	-96.75	-1,304.48	-103.16	1,067.49	965.84	101.66	10.501					
8,200.00	6,942.05	8,429.75	7,067.64	53.18	54.54	-96.76	-1,303.95	-203.15	1,066.61	960.76	105.85	10.077					
8,300.00	6,942.32	8,529.75	7,067.98	55.37	56.65	-96.77	-1,303.43	-303.15	1,065.73	955.56	110.17	9.674					
8,400.00	6,942.58	8,629.75	7,068.32	57.62	58.82	-96.78	-1,302.90	-403.14	1,064.84	950.24	114.60	9.291					
8,500.00	6,942.85	8,729.74	7,068.67	59.92	61.05	-96.79	-1,302.38	-503.13	1,063.96	944.81	119.15	8.930					
8,600.00	6,943.12	8,829.74	7,069.01	62.26	63.34	-96.80	-1,301.86	-603.13	1,063.07	939.28	123.79	8.588					
8,700.00	6,943.38	8,929.73	7,069.36	64.65	65.68	-96.81	-1,301.33	-703.12	1,062.19	933.68	128.51	8.265					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 16N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,800.00	6,943.65	9,029.73	7,069.70	67.08	68.05	-96.82	-1,300.81	-803.12	1,061.30	927.99	133.31	7.961		
8,900.00	6,943.91	9,129.72	7,070.04	69.53	70.47	-96.83	-1,300.28	-903.11	1,060.42	922.25	138.17	7.674		
9,000.00	6,944.18	9,229.72	7,070.39	72.02	72.91	-96.84	-1,299.76	-1,003.10	1,059.54	916.44	143.10	7.404		
9,100.00	6,944.45	9,329.72	7,070.73	74.54	75.39	-96.85	-1,299.23	-1,103.10	1,058.65	910.57	148.08	7.149		
9,200.00	6,944.71	9,429.71	7,071.07	77.07	77.90	-96.86	-1,298.71	-1,203.09	1,057.77	904.66	153.11	6.909		
9,300.00	6,944.98	9,529.71	7,071.42	79.63	80.43	-96.87	-1,298.18	-1,303.09	1,056.88	898.70	158.18	6.682		
9,400.00	6,945.24	9,629.70	7,071.76	82.21	82.98	-96.88	-1,297.66	-1,403.08	1,056.00	892.71	163.29	6.467		
9,500.00	6,945.51	9,729.70	7,072.11	84.81	85.55	-96.89	-1,297.13	-1,503.07	1,055.12	886.68	168.44	6.264		
9,600.00	6,945.78	9,829.70	7,072.45	87.43	88.14	-96.90	-1,296.61	-1,603.07	1,054.23	880.61	173.62	6.072		
9,700.00	6,946.04	9,929.69	7,072.79	90.05	90.75	-96.91	-1,296.09	-1,703.06	1,053.35	874.51	178.83	5.890		
9,800.00	6,946.31	10,029.69	7,073.14	92.70	93.37	-96.92	-1,295.56	-1,803.06	1,052.46	868.39	184.07	5.718		
9,900.00	6,946.57	10,129.68	7,073.48	95.35	96.00	-96.93	-1,295.04	-1,903.05	1,051.58	862.24	189.34	5.554		
10,000.00	6,946.84	10,229.68	7,073.82	98.02	98.65	-96.94	-1,294.51	-2,003.04	1,050.70	856.07	194.63	5.399		
10,100.00	6,947.11	10,329.68	7,074.17	100.70	101.31	-96.95	-1,293.99	-2,103.04	1,049.81	849.88	199.93	5.251		
10,200.00	6,947.37	10,429.67	7,074.51	103.38	103.98	-96.96	-1,293.46	-2,203.03	1,048.93	843.66	205.26	5.110		
10,300.00	6,947.64	10,529.67	7,074.85	106.08	106.66	-96.97	-1,292.94	-2,303.03	1,048.04	837.43	210.61	4.976		
10,400.00	6,947.90	10,629.66	7,075.20	108.78	109.35	-96.98	-1,292.41	-2,403.02	1,047.16	831.19	215.98	4.849		
10,500.00	6,948.17	10,729.66	7,075.54	111.49	112.05	-96.99	-1,291.89	-2,503.01	1,046.28	824.92	221.35	4.727		
10,600.00	6,948.44	10,829.66	7,075.89	114.21	114.76	-97.00	-1,291.37	-2,603.01	1,045.39	818.64	226.75	4.610		
10,700.00	6,948.70	10,929.65	7,076.23	116.94	117.47	-97.01	-1,290.84	-2,703.00	1,044.51	812.35	232.16	4.499		
10,800.00	6,948.97	11,029.65	7,076.57	119.67	120.20	-97.02	-1,290.32	-2,803.00	1,043.63	806.05	237.58	4.393		
10,900.00	6,949.24	11,129.64	7,076.92	122.41	122.92	-97.03	-1,289.79	-2,902.99	1,042.74	799.74	243.01	4.291		
11,000.00	6,949.50	11,229.64	7,077.26	125.15	125.66	-97.04	-1,289.27	-3,002.98	1,041.86	793.41	248.45	4.193		
11,100.00	6,949.77	11,329.64	7,077.60	127.90	128.40	-97.05	-1,288.74	-3,102.98	1,040.98	787.07	253.90	4.100		
11,200.00	6,950.03	11,429.63	7,077.95	130.65	131.14	-97.06	-1,288.22	-3,202.97	1,040.09	780.73	259.36	4.010		
11,300.00	6,950.30	11,529.63	7,078.29	133.41	133.89	-97.07	-1,287.69	-3,302.97	1,039.21	774.37	264.83	3.924		
11,400.00	6,950.57	11,629.62	7,078.64	136.17	136.65	-97.08	-1,287.17	-3,402.96	1,038.33	768.01	270.31	3.841		
11,500.00	6,950.83	11,729.62	7,078.98	138.94	139.40	-97.09	-1,286.65	-3,502.95	1,037.44	761.64	275.80	3.762		
11,600.00	6,951.10	11,829.61	7,079.32	141.71	142.17	-97.10	-1,286.12	-3,602.95	1,036.56	755.26	281.30	3.685		
11,700.00	6,951.36	11,929.61	7,079.67	144.48	144.93	-97.12	-1,285.60	-3,702.94	1,035.68	748.88	286.80	3.611		
11,800.00	6,951.63	12,029.61	7,080.01	147.26	147.70	-97.13	-1,285.07	-3,802.94	1,034.79	742.49	292.30	3.540		
11,900.00	6,951.90	12,129.60	7,080.35	150.03	150.48	-97.14	-1,284.55	-3,902.93	1,033.91	736.09	297.82	3.472		
12,000.00	6,952.16	12,229.60	7,080.70	152.82	153.25	-97.15	-1,284.02	-4,002.92	1,033.03	729.69	303.34	3.406		
12,100.00	6,952.43	12,329.59	7,081.04	155.60	156.03	-97.16	-1,283.50	-4,102.92	1,032.14	723.28	308.86	3.342		
12,200.00	6,952.69	12,429.59	7,081.38	158.39	158.82	-97.17	-1,282.97	-4,202.91	1,031.26	716.87	314.39	3.280		
12,300.00	6,952.96	12,529.59	7,081.73	161.18	161.60	-97.18	-1,282.45	-4,302.90	1,030.38	710.45	319.93	3.221		
12,400.00	6,953.23	12,629.58	7,082.07	163.97	164.39	-97.19	-1,281.92	-4,402.90	1,029.49	704.03	325.47	3.163		
12,500.00	6,953.49	12,729.58	7,082.42	166.77	167.18	-97.20	-1,281.40	-4,502.89	1,028.61	697.60	331.01	3.107		
12,600.00	6,953.76	12,829.57	7,082.76	169.56	169.98	-97.21	-1,280.88	-4,602.89	1,027.73	691.17	336.56	3.054		
12,700.00	6,954.02	12,929.57	7,083.10	172.36	172.77	-97.22	-1,280.35	-4,702.88	1,026.84	684.73	342.11	3.001		
12,800.00	6,954.29	13,029.57	7,083.45	175.16	175.57	-97.23	-1,279.83	-4,802.87	1,025.96	678.29	347.67	2.951		
12,900.00	6,954.56	13,129.56	7,083.79	177.97	178.37	-97.24	-1,279.30	-4,902.87	1,025.08	671.85	353.23	2.902		
13,000.00	6,954.82	13,229.56	7,084.13	180.77	181.17	-97.25	-1,278.78	-5,002.86	1,024.20	665.41	358.79	2.855		
13,100.00	6,955.09	13,329.55	7,084.48	183.58	183.97	-97.26	-1,278.25	-5,102.86	1,023.31	658.96	364.35	2.809		
13,200.00	6,955.35	13,429.55	7,084.82	186.38	186.78	-97.27	-1,277.73	-5,202.85	1,022.43	652.51	369.92	2.764		
13,300.00	6,955.62	13,529.55	7,085.17	189.19	189.58	-97.28	-1,277.20	-5,302.84	1,021.55	646.05	375.49	2.721		
13,400.00	6,955.89	13,629.54	7,085.51	192.00	192.39	-97.30	-1,276.68	-5,402.84	1,020.67	639.60	381.07	2.678		
13,500.00	6,956.15	13,729.54	7,085.85	194.82	195.20	-97.31	-1,276.16	-5,502.83	1,019.78	633.14	386.65	2.638		
13,600.00	6,956.42	13,829.53	7,086.20	197.63	198.01	-97.32	-1,275.63	-5,602.83	1,018.90	626.67	392.23	2.598		
13,700.00	6,956.68	13,929.53	7,086.54	200.44	200.83	-97.33	-1,275.11	-5,702.82	1,018.02	620.21	397.81	2.559		
13,800.00	6,956.95	14,029.53	7,086.88	203.26	203.64	-97.34	-1,274.58	-5,802.81	1,017.13	613.74	403.39	2.521		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,900.00	6,957.22	14,129.52	7,087.23	206.08	206.46	-97.35	-1,274.06	-5,902.81	1,016.25	607.27	408.98	2.485		
14,000.00	6,957.48	14,229.52	7,087.57	208.89	209.27	-97.36	-1,273.53	-6,002.80	1,015.37	600.80	414.57	2.449		
14,100.00	6,957.75	14,329.51	7,087.91	211.71	212.09	-97.37	-1,273.01	-6,102.80	1,014.49	594.33	420.16	2.415		
14,200.00	6,958.02	14,429.51	7,088.26	214.53	214.91	-97.38	-1,272.48	-6,202.79	1,013.61	587.86	425.75	2.381		
14,300.00	6,958.28	14,529.50	7,088.60	217.36	217.73	-97.39	-1,271.96	-6,302.78	1,012.72	581.38	431.34	2.348		
14,400.00	6,958.55	14,629.50	7,088.95	220.18	220.55	-97.40	-1,271.44	-6,402.78	1,011.84	574.90	436.94	2.316		
14,500.00	6,958.81	14,729.50	7,089.29	223.00	223.38	-97.41	-1,270.91	-6,502.77	1,010.96	568.42	442.54	2.284		
14,600.00	6,959.08	14,829.49	7,089.63	225.83	226.20	-97.43	-1,270.39	-6,602.77	1,010.08	561.94	448.13	2.254		
14,700.00	6,959.35	14,929.49	7,089.98	228.65	229.02	-97.44	-1,269.86	-6,702.76	1,009.19	555.46	453.73	2.224		
14,800.00	6,959.61	15,029.48	7,090.32	231.48	231.85	-97.45	-1,269.34	-6,802.75	1,008.31	548.98	459.34	2.195		
14,900.00	6,959.88	15,129.48	7,090.66	234.30	234.68	-97.46	-1,268.81	-6,902.75	1,007.43	542.49	464.94	2.167		
15,000.00	6,960.14	15,229.48	7,091.01	237.13	237.50	-97.47	-1,268.29	-7,002.74	1,006.55	536.00	470.54	2.139		
15,032.17	6,960.23	15,252.77	7,091.09	238.04	238.16	-97.47	-1,268.28	-7,026.03	1,006.41	534.35	472.06	2.132		
15,100.00	6,960.41	15,303.07	7,091.26	239.96	239.58	-97.47	-1,268.90	-7,076.33	1,007.01	531.81	475.20	2.119		
15,200.00	6,960.68	15,405.16	7,091.59	242.79	242.45	-97.46	-1,271.51	-7,168.06	1,009.43	528.69	480.74	2.100		
15,300.00	6,960.94	15,505.19	7,091.94	245.62	245.26	-97.44	-1,274.45	-7,267.99	1,011.99	525.62	486.37	2.081		
15,400.00	6,961.21	15,605.23	7,092.29	248.45	248.08	-97.43	-1,277.39	-7,367.91	1,014.54	522.55	491.99	2.062		
15,500.00	6,961.47	15,705.26	7,092.64	251.28	250.90	-97.42	-1,280.33	-7,467.83	1,017.10	519.48	497.62	2.044		
15,600.00	6,961.74	15,805.29	7,092.99	254.11	253.71	-97.40	-1,283.27	-7,567.75	1,019.65	516.41	503.24	2.026		
15,700.00	6,962.01	15,905.33	7,093.34	256.94	256.53	-97.39	-1,286.21	-7,667.68	1,022.21	513.34	508.87	2.009		
15,800.00	6,962.27	16,005.36	7,093.70	259.77	259.35	-97.37	-1,289.14	-7,767.60	1,024.76	510.26	514.50	1.992		
15,900.00	6,962.54	16,105.39	7,094.05	262.61	262.17	-97.36	-1,292.08	-7,867.52	1,027.32	507.19	520.13	1.975		
16,000.00	6,962.80	16,205.43	7,094.40	265.44	264.99	-97.35	-1,295.02	-7,967.45	1,029.87	504.11	525.76	1.959		
16,100.00	6,963.07	16,305.46	7,094.75	268.28	267.81	-97.33	-1,297.96	-8,067.37	1,032.43	501.03	531.40	1.943		
16,200.00	6,963.34	16,405.49	7,095.10	271.11	270.63	-97.32	-1,300.90	-8,167.29	1,034.98	497.95	537.03	1.927		
16,300.00	6,963.60	16,505.52	7,095.45	273.95	273.45	-97.31	-1,303.84	-8,267.22	1,037.54	494.87	542.67	1.912		
16,400.00	6,963.87	16,605.56	7,095.80	276.78	276.27	-97.29	-1,306.78	-8,367.14	1,040.09	491.79	548.31	1.897		
16,500.00	6,964.13	16,705.59	7,096.16	279.62	279.10	-97.28	-1,309.72	-8,467.06	1,042.65	488.70	553.94	1.882		
16,600.00	6,964.40	16,805.62	7,096.51	282.46	281.92	-97.27	-1,312.66	-8,566.99	1,045.20	485.62	559.58	1.868		
16,700.00	6,964.67	16,894.34	7,096.86	285.29	284.42	-97.25	-1,315.60	-8,666.91	1,047.76	482.85	564.91	1.855		
16,800.00	6,964.93	17,005.69	7,097.21	288.13	287.57	-97.24	-1,318.54	-8,766.83	1,050.32	479.45	570.87	1.840		
16,900.00	6,965.20	17,105.72	7,097.56	290.97	290.39	-97.23	-1,321.48	-8,866.76	1,052.87	476.36	576.51	1.826		
17,000.00	6,965.46	17,205.75	7,097.91	293.81	293.22	-97.22	-1,324.42	-8,966.68	1,055.43	473.27	582.15	1.813		
17,100.00	6,965.73	17,305.79	7,098.27	296.65	296.05	-97.20	-1,327.36	-9,066.60	1,057.98	470.19	587.80	1.800		
17,200.00	6,966.00	17,405.82	7,098.62	299.49	298.87	-97.19	-1,330.30	-9,166.53	1,060.54	467.10	593.44	1.787		
17,300.00	6,966.26	17,505.85	7,098.97	302.32	301.70	-97.18	-1,333.24	-9,266.45	1,063.10	464.01	599.09	1.775		
17,400.00	6,966.53	17,605.89	7,099.32	305.16	304.53	-97.16	-1,336.18	-9,366.37	1,065.65	460.91	604.74	1.762		
17,500.00	6,966.80	17,705.92	7,099.67	308.00	307.35	-97.15	-1,339.12	-9,466.30	1,068.21	457.82	610.39	1.750		
17,600.00	6,967.06	17,805.95	7,100.02	310.85	310.18	-97.14	-1,342.06	-9,566.22	1,070.76	454.73	616.04	1.738		
17,700.00	6,967.33	17,894.02	7,100.38	313.69	312.67	-97.13	-1,345.00	-9,666.14	1,073.32	451.97	621.35	1.727		
17,800.00	6,967.59	18,006.02	7,100.73	316.53	315.84	-97.11	-1,347.94	-9,766.07	1,075.88	448.54	627.34	1.715		
17,900.00	6,967.86	18,106.05	7,101.08	319.37	318.67	-97.10	-1,350.88	-9,865.99	1,078.43	445.44	632.99	1.704		
18,000.00	6,968.13	18,206.08	7,101.43	322.21	321.50	-97.09	-1,353.82	-9,965.91	1,080.99	442.35	638.64	1.693		
18,100.00	6,968.39	18,306.12	7,101.78	325.05	324.33	-97.08	-1,356.76	-10,065.84	1,083.55	439.25	644.30	1.682		
18,200.00	6,968.66	18,406.15	7,102.13	327.90	327.16	-97.07	-1,359.70	-10,165.76	1,086.10	436.15	649.95	1.671		
18,300.00	6,968.92	18,506.18	7,102.49	330.74	329.99	-97.05	-1,362.64	-10,265.68	1,088.66	433.05	655.60	1.661		
18,400.00	6,969.19	18,593.78	7,102.84	333.58	332.47	-97.04	-1,365.57	-10,365.60	1,091.22	430.31	660.91	1.651		
18,500.00	6,969.46	18,693.75	7,103.19	336.43	335.30	-97.03	-1,368.51	-10,465.53	1,093.77	427.21	666.56	1.641		
18,600.00	6,969.72	18,806.28	7,103.54	339.27	338.49	-97.02	-1,371.45	-10,565.45	1,096.33	423.76	672.57	1.630		
18,704.56	6,970.00	18,901.76	7,103.91	342.24	341.19	-97.00	-1,374.53	-10,669.93	1,099.00	420.77	678.23	1.620 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-119.86	-1.11	119.86					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-119.86	-1.11	119.86	113.29	6.57	18.246		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-119.86	-1.11	119.86	113.19	6.67	17.959 CC, ES		
300.00	299.98	296.65	296.64	3.44	3.44	80.86	-121.21	-0.20	120.97	114.08	6.88	17.570		
400.00	399.84	393.21	393.06	3.60	3.58	81.81	-125.25	2.53	124.30	117.10	7.20	17.267		
500.00	499.45	489.56	489.07	3.80	3.77	83.27	-131.97	7.08	129.93	122.32	7.61	17.078		
600.00	598.70	585.62	584.45	4.05	4.00	85.10	-141.33	13.40	137.94	129.85	8.10	17.032		
700.00	697.47	681.28	679.02	4.33	4.26	87.13	-153.27	21.47	148.43	139.77	8.66	17.139		
803.50	799.05	779.79	775.84	4.67	4.58	89.30	-168.30	31.63	161.95	152.64	9.31	17.400		
900.00	893.41	871.17	865.04	5.02	4.90	91.06	-184.70	42.71	177.01	167.05	9.96	17.767		
1,000.00	991.20	965.33	956.25	5.41	5.27	91.92	-204.05	55.79	194.93	184.25	10.69	18.236		
1,100.00	1,088.99	1,058.75	1,045.94	5.81	5.67	92.02	-225.70	70.43	215.06	203.61	11.45	18.780		
1,200.00	1,186.78	1,151.25	1,133.86	6.23	6.10	91.55	-249.50	86.52	237.34	225.10	12.24	19.388		
1,300.00	1,284.57	1,245.35	1,222.43	6.67	6.57	90.71	-275.85	104.32	261.57	248.50	13.07	20.019		
1,400.00	1,382.36	1,342.21	1,313.45	7.12	7.07	89.93	-303.29	122.87	286.14	272.21	13.93	20.537		
1,500.00	1,480.15	1,439.08	1,404.48	7.57	7.59	89.27	-330.74	141.43	310.76	295.94	14.82	20.964		
1,600.00	1,577.94	1,535.94	1,495.50	8.03	8.13	88.71	-358.19	159.98	335.41	319.68	15.73	21.319		
1,700.00	1,675.73	1,632.81	1,586.52	8.50	8.68	88.22	-385.64	178.53	360.09	343.43	16.66	21.615		
1,800.00	1,773.52	1,729.67	1,677.55	8.98	9.24	87.80	-413.09	197.08	384.79	367.19	17.60	21.865		
1,900.00	1,871.31	1,826.54	1,768.57	9.45	9.80	87.43	-440.53	215.64	409.51	390.96	18.55	22.077		
2,000.00	1,969.10	1,923.40	1,859.59	9.94	10.38	87.10	-467.98	234.19	434.24	414.73	19.51	22.258		
2,100.00	2,066.88	2,020.27	1,950.62	10.42	10.95	86.80	-495.43	252.74	458.99	438.51	20.48	22.413		
2,200.00	2,164.67	2,117.13	2,041.64	10.91	11.53	86.54	-522.88	271.29	483.74	462.29	21.45	22.547		
2,300.00	2,262.46	2,214.00	2,132.66	11.40	12.12	86.30	-550.33	289.84	508.50	486.07	22.44	22.663		
2,400.00	2,360.25	2,310.86	2,223.69	11.89	12.71	86.09	-577.77	308.40	533.27	509.85	23.43	22.765		
2,500.00	2,458.04	2,407.73	2,314.71	12.39	13.30	85.89	-605.22	326.95	558.05	533.63	24.42	22.854		
2,600.00	2,555.83	2,504.59	2,405.73	12.88	13.90	85.71	-632.67	345.50	582.83	557.42	25.42	22.932		
2,700.00	2,653.62	2,601.46	2,496.76	13.38	14.49	85.54	-660.12	364.05	607.62	581.20	26.42	23.001		
2,800.00	2,751.41	2,701.68	2,587.78	13.88	15.11	85.39	-687.57	382.61	632.41	604.97	27.44	23.047		
2,900.00	2,849.20	2,804.81	2,678.80	14.38	15.75	85.25	-715.01	401.16	657.21	628.72	28.48	23.075		
3,000.00	2,946.99	2,907.95	2,769.83	14.88	16.39	85.12	-742.46	419.71	682.01	652.48	29.53	23.098		
3,100.00	3,044.78	2,988.92	2,860.85	15.38	16.90	85.00	-769.91	438.26	706.81	676.36	30.45	23.211		
3,200.00	3,142.57	3,085.78	2,951.87	15.89	17.50	84.88	-797.36	456.81	731.61	700.15	31.47	23.250		
3,300.00	3,240.36	3,182.65	3,042.90	16.39	18.11	84.78	-824.81	475.37	756.42	723.94	32.48	23.286		
3,400.00	3,338.15	3,279.51	3,133.92	16.89	18.71	84.68	-852.25	493.92	781.23	747.73	33.50	23.318		
3,500.00	3,435.93	3,376.38	3,224.94	17.40	19.32	84.58	-879.70	512.47	806.04	771.52	34.52	23.348		
3,600.00	3,533.72	3,473.24	3,315.97	17.90	19.93	84.50	-907.15	531.02	830.85	795.31	35.55	23.374		
3,700.00	3,631.51	3,570.11	3,406.99	18.41	20.54	84.41	-934.60	549.58	855.67	819.10	36.57	23.399		
3,800.00	3,729.30	3,666.97	3,498.01	18.92	21.15	84.34	-962.05	568.13	880.49	842.89	37.59	23.421		
3,900.00	3,827.09	3,763.84	3,589.03	19.42	21.76	84.26	-989.49	586.68	905.31	866.69	38.62	23.441		
4,000.00	3,924.88	3,860.70	3,680.06	19.93	22.37	84.19	-1,016.94	605.23	930.13	890.48	39.65	23.460		
4,100.00	4,022.67	3,957.57	3,771.08	20.44	22.98	84.13	-1,044.39	623.79	954.95	914.27	40.68	23.477		
4,200.00	4,120.46	4,054.43	3,862.10	20.95	23.59	84.06	-1,071.84	642.34	979.77	938.06	41.70	23.493		
4,300.00	4,218.25	4,151.30	3,953.13	21.46	24.21	84.00	-1,099.29	660.89	1,004.59	961.86	42.73	23.508		
4,400.00	4,316.04	4,248.16	4,044.15	21.97	24.82	83.95	-1,126.73	679.44	1,029.42	985.65	43.77	23.521		
4,500.00	4,413.83	4,345.03	4,135.17	22.48	25.43	83.89	-1,154.18	697.99	1,054.24	1,009.44	44.80	23.534		
4,600.00	4,511.62	4,441.89	4,226.20	22.99	26.05	83.84	-1,181.63	716.55	1,079.07	1,033.24	45.83	23.546		
4,700.00	4,609.41	4,538.76	4,317.22	23.50	26.66	83.79	-1,209.08	735.10	1,103.89	1,057.03	46.86	23.556		
4,800.00	4,707.20	4,635.62	4,408.24	24.01	27.28	83.74	-1,236.53	753.65	1,128.72	1,080.83	47.90	23.566		
4,900.00	4,804.98	4,732.49	4,499.27	24.52	27.89	83.70	-1,263.97	772.20	1,153.55	1,104.62	48.93	23.576		
5,000.00	4,902.77	4,829.35	4,590.29	25.03	28.51	83.66	-1,291.42	790.76	1,178.38	1,128.41	49.96	23.584		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 30C-14-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		
5,100.00	5,000.56	4,926.22	4,681.31	25.54	29.12	83.62	-1,318.87	809.31	1,203.21	1,152.21	51.00	23.592		
5,200.00	5,098.35	5,023.08	4,772.34	26.05	29.74	83.58	-1,346.32	827.86	1,228.04	1,176.00	52.04	23.600		
5,300.00	5,196.14	5,119.95	4,863.36	26.56	30.35	83.54	-1,373.77	846.41	1,252.87	1,199.80	53.07	23.607		
5,400.00	5,293.93	5,216.81	4,954.38	27.07	30.97	83.50	-1,401.21	864.96	1,277.70	1,223.59	54.11	23.614		
5,500.00	5,391.72	5,313.68	5,045.41	27.58	31.59	83.47	-1,428.66	883.52	1,302.53	1,247.38	55.15	23.620		
5,600.00	5,489.51	5,410.54	5,136.43	28.09	32.20	83.43	-1,456.11	902.07	1,327.36	1,271.18	56.18	23.626		
5,700.00	5,587.30	5,507.41	5,227.45	28.61	32.82	83.40	-1,483.56	920.62	1,352.19	1,294.97	57.22	23.631		
5,800.00	5,685.09	5,604.27	5,318.48	29.12	33.43	83.37	-1,511.01	939.17	1,377.03	1,318.77	58.26	23.636		
5,900.00	5,782.88	5,701.14	5,409.50	29.63	34.05	83.34	-1,538.45	957.73	1,401.86	1,342.56	59.30	23.641		
6,000.00	5,880.67	5,802.00	5,500.52	30.14	34.69	83.31	-1,565.90	976.28	1,426.69	1,366.33	60.36	23.636		
6,100.00	5,978.46	5,905.13	5,591.55	30.65	35.35	83.28	-1,593.35	994.83	1,451.53	1,390.09	61.43	23.627		
6,200.00	6,076.25	6,008.27	5,682.57	31.17	36.01	83.25	-1,620.80	1,013.38	1,476.36	1,413.85	62.51	23.618		
6,298.86	6,172.92	6,087.49	5,772.56	31.67	36.51	83.23	-1,647.93	1,031.72	1,500.91	1,437.47	63.44	23.657		
6,300.00	6,174.03	6,088.60	5,773.59	31.68	36.52	83.16	-1,648.25	1,031.94	1,501.19	1,437.74	63.46	23.657		
6,350.00	6,223.30	6,136.99	5,819.07	31.92	36.83	78.07	-1,661.96	1,041.20	1,513.47	1,449.52	63.95	23.665		
6,400.00	6,273.06	6,185.12	5,864.30	32.13	37.14	57.53	-1,675.60	1,050.42	1,525.45	1,461.05	64.40	23.686		
6,450.00	6,323.01	6,232.68	5,908.99	32.32	37.44	-32.19	-1,689.08	1,059.53	1,537.11	1,472.30	64.80	23.719		
6,500.00	6,372.84	6,279.39	5,952.88	32.48	37.74	-63.91	-1,702.31	1,068.48	1,548.43	1,483.26	65.17	23.760		
6,550.00	6,422.24	6,324.94	5,995.68	32.65	38.03	-71.26	-1,715.22	1,077.20	1,559.47	1,493.95	65.52	23.802		
6,600.00	6,470.92	6,369.07	6,037.15	32.83	38.31	-74.28	-1,727.72	1,085.65	1,570.25	1,504.41	65.85	23.847		
6,650.00	6,518.56	6,411.49	6,077.02	33.01	38.58	-75.90	-1,739.74	1,093.78	1,580.87	1,514.70	66.16	23.893		
6,700.00	6,564.89	6,451.95	6,115.04	33.21	38.84	-76.91	-1,751.21	1,101.53	1,591.39	1,524.92	66.47	23.942		
6,750.00	6,609.60	6,509.79	6,150.98	33.43	39.21	-77.59	-1,762.05	1,108.85	1,601.91	1,535.04	66.87	23.956		
6,800.00	6,652.43	6,526.01	6,184.63	33.66	39.31	-78.06	-1,772.19	1,115.71	1,612.54	1,545.50	67.05	24.051		
6,850.00	6,693.10	6,559.15	6,215.77	33.91	39.52	-78.37	-1,781.58	1,122.06	1,623.38	1,556.05	67.33	24.111		
6,900.00	6,731.38	6,589.41	6,244.21	34.20	39.72	-78.52	-1,790.16	1,127.86	1,634.53	1,566.92	67.61	24.176		
6,950.00	6,767.02	6,616.62	6,269.77	34.51	39.89	-78.52	-1,797.87	1,133.07	1,646.06	1,578.18	67.89	24.246		
7,000.00	6,799.81	6,640.59	6,292.30	34.85	40.04	-78.36	-1,804.66	1,137.66	1,658.07	1,589.90	68.18	24.321		
7,050.00	6,829.54	6,661.20	6,311.66	35.24	40.17	-78.03	-1,810.50	1,141.60	1,670.61	1,602.14	68.47	24.400		
7,100.00	6,856.03	6,678.30	6,327.73	35.66	40.28	-77.52	-1,815.35	1,144.88	1,683.72	1,614.95	68.77	24.483		
7,150.00	6,879.11	6,708.20	6,340.42	36.12	40.47	-76.81	-1,819.17	1,147.46	1,697.40	1,628.23	69.17	24.539		
7,200.00	6,898.65	6,701.60	6,349.63	36.62	40.43	-75.91	-1,821.95	1,149.34	1,711.66	1,642.25	69.40	24.662		
7,250.00	6,914.51	6,707.66	6,355.32	37.15	40.47	-74.82	-1,823.67	1,150.50	1,726.45	1,656.71	69.73	24.758		
7,300.00	6,926.62	6,709.92	6,357.45	37.73	40.48	-73.54	-1,824.31	1,150.94	1,741.70	1,671.63	70.07	24.857		
7,350.00	6,934.88	6,708.39	6,356.00	38.34	40.47	-72.09	-1,823.87	1,150.64	1,757.33	1,686.93	70.40	24.961		
7,400.00	6,939.26	6,703.06	6,351.00	38.97	40.44	-70.48	-1,822.36	1,149.62	1,773.23	1,702.49	70.73	25.069		
7,429.12	6,940.00	6,701.78	6,346.45	39.34	40.43	-69.47	-1,820.99	1,148.69	1,782.55	1,711.61	70.94	25.127		
7,500.00	6,940.19	6,684.90	6,333.93	40.31	40.32	-69.03	-1,817.22	1,146.14	1,806.48	1,735.07	71.40	25.299		
7,600.00	6,940.46	6,666.10	6,316.27	41.80	40.20	-68.41	-1,811.89	1,142.54	1,844.17	1,772.03	72.15	25.561		
7,700.00	6,940.72	8,222.97	7,233.92	43.43	48.00	-98.98	-2,098.10	326.44	1,878.39	1,792.12	86.27	21.773		
7,800.00	6,940.99	8,322.97	7,234.73	45.19	49.25	-98.99	-2,099.29	226.46	1,879.28	1,789.69	89.59	20.976		
7,900.00	6,941.25	8,422.96	7,235.54	47.05	50.67	-99.01	-2,100.48	126.47	1,880.17	1,787.03	93.14	20.187		
8,000.00	6,941.52	8,522.96	7,236.34	49.02	52.24	-99.02	-2,101.68	26.49	1,881.06	1,784.18	96.88	19.416		
8,100.00	6,941.79	8,622.95	7,237.15	51.06	53.95	-99.03	-2,102.87	-73.50	1,881.95	1,781.15	100.81	18.669		
8,200.00	6,942.05	8,722.95	7,237.96	53.18	55.77	-99.04	-2,104.06	-173.48	1,882.84	1,777.96	104.89	17.951		
8,300.00	6,942.32	8,822.94	7,238.77	55.37	57.70	-99.06	-2,105.25	-273.47	1,883.74	1,774.63	109.11	17.265		
8,400.00	6,942.58	8,922.94	7,239.58	57.62	59.71	-99.07	-2,106.44	-373.45	1,884.63	1,771.18	113.45	16.612		
8,500.00	6,942.85	9,022.93	7,240.38	59.92	61.80	-99.08	-2,107.63	-473.44	1,885.52	1,767.61	117.91	15.992		
8,600.00	6,943.12	9,122.93	7,241.19	62.26	63.97	-99.09	-2,108.82	-573.42	1,886.41	1,763.95	122.46	15.404		
8,700.00	6,943.38	9,222.92	7,242.00	64.65	66.19	-99.11	-2,110.02	-673.41	1,887.30	1,760.20	127.10	14.849		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 30C-14-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			
8,800.00	6,943.65	9,322.92	7,242.81	67.08	68.46	-99.12	-2,111.21	-773.39	1,888.19	1,756.37	131.82	14.324			
8,900.00	6,943.91	9,422.91	7,243.61	69.53	70.78	-99.13	-2,112.40	-873.38	1,889.09	1,752.48	136.61	13.829			
9,000.00	6,944.18	9,522.91	7,244.42	72.02	73.15	-99.14	-2,113.59	-973.36	1,889.98	1,748.52	141.46	13.360			
9,100.00	6,944.45	9,622.90	7,245.23	74.54	75.55	-99.15	-2,114.78	-1,073.35	1,890.87	1,744.50	146.37	12.918			
9,200.00	6,944.71	9,722.90	7,246.04	77.07	77.98	-99.17	-2,115.97	-1,173.33	1,891.76	1,740.43	151.33	12.501			
9,300.00	6,944.98	9,822.89	7,246.85	79.63	80.44	-99.18	-2,117.16	-1,273.32	1,892.65	1,736.32	156.34	12.106			
9,400.00	6,945.24	9,922.89	7,247.65	82.21	82.93	-99.19	-2,118.36	-1,373.30	1,893.55	1,732.16	161.39	11.733			
9,500.00	6,945.51	10,022.89	7,248.46	84.81	85.45	-99.20	-2,119.55	-1,473.29	1,894.44	1,727.97	166.47	11.380			
9,600.00	6,945.78	10,122.88	7,249.27	87.43	87.98	-99.22	-2,120.74	-1,573.27	1,895.33	1,723.74	171.59	11.045			
9,700.00	6,946.04	10,222.88	7,250.08	90.05	90.54	-99.23	-2,121.93	-1,673.26	1,896.22	1,719.48	176.75	10.728			
9,800.00	6,946.31	10,322.87	7,250.88	92.70	93.11	-99.24	-2,123.12	-1,773.24	1,897.12	1,715.19	181.93	10.428			
9,900.00	6,946.57	10,422.87	7,251.69	95.35	95.71	-99.25	-2,124.31	-1,873.22	1,898.01	1,710.87	187.14	10.142			
10,000.00	6,946.84	10,522.86	7,252.50	98.02	98.31	-99.26	-2,125.50	-1,973.21	1,898.90	1,706.53	192.37	9.871			
10,100.00	6,947.11	10,622.86	7,253.31	100.70	100.93	-99.28	-2,126.70	-2,073.19	1,899.79	1,702.17	197.63	9.613			
10,200.00	6,947.37	10,722.85	7,254.11	103.38	103.57	-99.29	-2,127.89	-2,173.18	1,900.69	1,697.78	202.90	9.367			
10,300.00	6,947.64	10,822.85	7,254.92	106.08	106.21	-99.30	-2,129.08	-2,273.16	1,901.58	1,693.38	208.20	9.134			
10,400.00	6,947.90	10,922.84	7,255.73	108.78	108.87	-99.31	-2,130.27	-2,373.15	1,902.47	1,688.96	213.51	8.910			
10,500.00	6,948.17	11,022.84	7,256.54	111.49	111.53	-99.33	-2,131.46	-2,473.13	1,903.37	1,684.53	218.84	8.698			
10,600.00	6,948.44	11,122.83	7,257.35	114.21	114.21	-99.34	-2,132.65	-2,573.12	1,904.26	1,680.08	224.18	8.494			
10,700.00	6,948.70	11,222.83	7,258.15	116.94	116.90	-99.35	-2,133.85	-2,673.10	1,905.15	1,675.61	229.54	8.300			
10,800.00	6,948.97	11,322.82	7,258.96	119.67	119.59	-99.36	-2,135.04	-2,773.09	1,906.05	1,671.14	234.91	8.114			
10,900.00	6,949.24	11,422.82	7,259.77	122.41	122.29	-99.37	-2,136.23	-2,873.07	1,906.94	1,666.65	240.29	7.936			
11,000.00	6,949.50	11,522.81	7,260.58	125.15	125.00	-99.39	-2,137.42	-2,973.06	1,907.83	1,662.15	245.69	7.765			
11,100.00	6,949.77	11,622.81	7,261.38	127.90	127.71	-99.40	-2,138.61	-3,073.04	1,908.73	1,657.63	251.09	7.602			
11,200.00	6,950.03	11,722.80	7,262.19	130.65	130.43	-99.41	-2,139.80	-3,173.03	1,909.62	1,653.11	256.51	7.445			
11,300.00	6,950.30	11,822.80	7,263.00	133.41	133.16	-99.42	-2,140.99	-3,273.01	1,910.51	1,648.58	261.93	7.294			
11,400.00	6,950.57	11,922.79	7,263.81	136.17	135.89	-99.43	-2,142.19	-3,373.00	1,911.41	1,644.05	267.36	7.149			
11,500.00	6,950.83	12,022.79	7,264.62	138.94	138.63	-99.45	-2,143.38	-3,472.98	1,912.30	1,639.50	272.80	7.010			
11,600.00	6,951.10	12,122.78	7,265.42	141.71	141.37	-99.46	-2,144.57	-3,572.97	1,913.20	1,634.95	278.25	6.876			
11,700.00	6,951.36	12,222.78	7,266.23	144.48	144.11	-99.47	-2,145.76	-3,672.95	1,914.09	1,630.38	283.71	6.747			
11,800.00	6,951.63	12,322.78	7,267.04	147.26	146.86	-99.48	-2,146.95	-3,772.94	1,914.98	1,625.82	289.17	6.622			
11,900.00	6,951.90	12,422.77	7,267.85	150.03	149.62	-99.49	-2,148.14	-3,872.92	1,915.88	1,621.24	294.64	6.503			
12,000.00	6,952.16	12,522.77	7,268.65	152.82	152.38	-99.51	-2,149.33	-3,972.91	1,916.77	1,616.66	300.11	6.387			
12,100.00	6,952.43	12,622.76	7,269.46	155.60	155.14	-99.52	-2,150.53	-4,072.89	1,917.67	1,612.08	305.59	6.275			
12,200.00	6,952.69	12,722.76	7,270.27	158.39	157.90	-99.53	-2,151.72	-4,172.88	1,918.56	1,607.49	311.07	6.168			
12,300.00	6,952.96	12,822.75	7,271.08	161.18	160.67	-99.54	-2,152.91	-4,272.86	1,919.46	1,602.89	316.56	6.063			
12,400.00	6,953.23	12,922.75	7,271.89	163.97	163.44	-99.55	-2,154.10	-4,372.85	1,920.35	1,598.29	322.06	5.963			
12,500.00	6,953.49	13,022.74	7,272.69	166.77	166.22	-99.57	-2,155.29	-4,472.83	1,921.25	1,593.69	327.56	5.865			
12,600.00	6,953.76	13,122.74	7,273.50	169.56	168.99	-99.58	-2,156.48	-4,572.82	1,922.14	1,589.08	333.06	5.771			
12,700.00	6,954.02	13,222.73	7,274.31	172.36	171.77	-99.59	-2,157.67	-4,672.80	1,923.04	1,584.47	338.57	5.680			
12,800.00	6,954.29	13,322.73	7,275.12	175.16	174.56	-99.60	-2,158.87	-4,772.79	1,923.93	1,579.85	344.08	5.592			
12,900.00	6,954.56	13,422.72	7,275.92	177.97	177.34	-99.61	-2,160.06	-4,872.77	1,924.83	1,575.23	349.60	5.506			
13,000.00	6,954.82	13,522.72	7,276.73	180.77	180.13	-99.62	-2,161.25	-4,972.75	1,925.72	1,570.61	355.11	5.423			
13,100.00	6,955.09	13,555.88	7,277.00	183.58	181.05	-99.63	-2,161.64	-5,005.92	1,927.78	1,569.47	358.31	5.380 SF			
13,200.00	6,955.35	13,555.88	7,277.00	186.38	181.05	-99.63	-2,161.64	-5,005.92	1,934.72	1,575.14	359.58	5.381			
13,300.00	6,955.62	13,555.88	7,277.00	189.19	181.05	-99.63	-2,161.64	-5,005.92	1,946.78	1,586.85	359.93	5.409			
13,400.00	6,955.89	13,555.88	7,277.00	192.00	181.05	-99.63	-2,161.64	-5,005.92	1,963.87	1,604.46	359.40	5.464			
13,500.00	6,956.15	13,555.88	7,277.00	194.82	181.05	-99.63	-2,161.64	-5,005.92	1,985.85	1,627.81	358.04	5.546			
13,600.00	6,956.42	13,555.88	7,277.00	197.63	181.05	-99.63	-2,161.64	-5,005.92	2,012.56	1,656.66	355.90	5.655			
13,700.00	6,956.68	13,555.88	7,277.00	200.44	181.05	-99.63	-2,161.64	-5,005.92	2,043.82	1,690.74	353.08	5.789			
13,800.00	6,956.95	13,555.88	7,277.00	203.26	181.05	-99.63	-2,161.64	-5,005.92	2,079.43	1,729.78	349.65	5.947			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 30C-14-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,900.00	6,957.22	13,555.88	7,277.00	206.08	181.05	-99.63	-2,161.64	-5,005.92	2,119.16	1,773.47	345.69	6.130		
14,000.00	6,957.48	13,555.88	7,277.00	208.89	181.05	-99.63	-2,161.64	-5,005.92	2,162.79	1,821.48	341.31	6.337		
14,100.00	6,957.75	13,555.88	7,277.00	211.71	181.05	-99.63	-2,161.64	-5,005.92	2,210.08	1,873.52	336.57	6.567		
14,200.00	6,958.02	13,555.88	7,277.00	214.53	181.05	-99.63	-2,161.64	-5,005.92	2,260.82	1,929.26	331.56	6.819		
14,300.00	6,958.28	13,555.88	7,277.00	217.36	181.05	-99.63	-2,161.64	-5,005.92	2,314.76	1,988.41	326.35	7.093		
14,400.00	6,958.55	13,555.88	7,277.00	220.18	181.05	-99.63	-2,161.64	-5,005.92	2,371.69	2,050.69	321.00	7.388		
14,500.00	6,958.81	13,555.88	7,277.00	223.00	181.05	-99.63	-2,161.64	-5,005.92	2,431.41	2,115.83	315.57	7.705		
14,600.00	6,959.08	13,555.88	7,277.00	225.83	181.05	-99.63	-2,161.64	-5,005.92	2,493.70	2,183.59	310.12	8.041		
14,700.00	6,959.35	13,555.88	7,277.00	228.65	181.05	-99.63	-2,161.64	-5,005.92	2,558.39	2,253.72	304.67	8.397		
14,800.00	6,959.61	13,555.88	7,277.00	231.48	181.05	-99.63	-2,161.64	-5,005.92	2,625.30	2,326.03	299.26	8.773		
14,900.00	6,959.88	13,555.88	7,277.00	234.30	181.05	-99.63	-2,161.64	-5,005.92	2,694.25	2,400.32	293.93	9.166		
15,000.00	6,960.14	13,555.88	7,277.00	237.13	181.05	-99.63	-2,161.64	-5,005.92	2,765.11	2,476.42	288.69	9.578		
15,100.00	6,960.41	13,555.88	7,277.00	239.96	181.05	-99.63	-2,161.64	-5,005.92	2,837.71	2,554.15	283.56	10.007		
15,200.00	6,960.68	13,555.88	7,277.00	242.79	181.05	-99.63	-2,161.64	-5,005.92	2,911.95	2,633.39	278.56	10.454		
15,300.00	6,960.94	13,555.88	7,277.00	245.62	181.05	-99.63	-2,161.64	-5,005.92	2,987.68	2,713.99	273.69	10.916		
15,400.00	6,961.21	13,555.88	7,277.00	248.45	181.05	-99.63	-2,161.64	-5,005.92	3,064.81	2,795.85	268.96	11.395		
15,500.00	6,961.47	13,555.88	7,277.00	251.28	181.05	-99.63	-2,161.64	-5,005.92	3,143.23	2,878.85	264.38	11.889		
15,600.00	6,961.74	13,555.88	7,277.00	254.11	181.05	-99.63	-2,161.64	-5,005.92	3,222.84	2,962.89	259.95	12.398		
15,700.00	6,962.01	13,555.88	7,277.00	256.94	181.05	-99.63	-2,161.64	-5,005.92	3,303.56	3,047.90	255.66	12.922		
15,800.00	6,962.27	13,555.88	7,277.00	259.77	181.05	-99.63	-2,161.64	-5,005.92	3,385.31	3,133.79	251.52	13.459		
15,900.00	6,962.54	13,555.88	7,277.00	262.61	181.05	-99.63	-2,161.64	-5,005.92	3,468.02	3,220.49	247.53	14.010		
16,000.00	6,962.80	13,555.88	7,277.00	265.44	181.05	-99.63	-2,161.64	-5,005.92	3,551.61	3,307.93	243.68	14.575		
16,100.00	6,963.07	13,555.88	7,277.00	268.28	181.05	-99.63	-2,161.64	-5,005.92	3,636.04	3,396.06	239.97	15.152		
16,200.00	6,963.34	13,555.88	7,277.00	271.11	181.05	-99.63	-2,161.64	-5,005.92	3,721.24	3,484.83	236.40	15.741		
16,300.00	6,963.60	13,555.88	7,277.00	273.95	181.05	-99.63	-2,161.64	-5,005.92	3,807.15	3,574.19	232.96	16.342		
16,400.00	6,963.87	13,555.88	7,277.00	276.78	181.05	-99.63	-2,161.64	-5,005.92	3,893.74	3,664.09	229.65	16.955		
16,500.00	6,964.13	13,555.88	7,277.00	279.62	181.05	-99.63	-2,161.64	-5,005.92	3,980.96	3,754.49	226.47	17.579		
16,600.00	6,964.40	13,555.88	7,277.00	282.46	181.05	-99.63	-2,161.64	-5,005.92	4,068.77	3,845.37	223.40	18.213		
16,700.00	6,964.67	13,555.88	7,277.00	285.29	181.05	-99.63	-2,161.64	-5,005.92	4,157.12	3,936.68	220.45	18.858		
16,800.00	6,964.93	13,555.88	7,277.00	288.13	181.05	-99.63	-2,161.64	-5,005.92	4,246.00	4,028.39	217.61	19.512		
16,900.00	6,965.20	13,555.88	7,277.00	290.97	181.05	-99.63	-2,161.64	-5,005.92	4,335.35	4,120.48	214.87	20.177		
17,000.00	6,965.46	13,555.88	7,277.00	293.81	181.05	-99.63	-2,161.64	-5,005.92	4,425.17	4,212.93	212.24	20.850		
17,100.00	6,965.73	13,555.88	7,277.00	296.65	181.05	-99.63	-2,161.64	-5,005.92	4,515.41	4,305.71	209.70	21.532		
17,200.00	6,966.00	13,555.88	7,277.00	299.49	181.05	-99.63	-2,161.64	-5,005.92	4,606.06	4,398.79	207.26	22.223		
17,300.00	6,966.26	13,555.88	7,277.00	302.32	181.05	-99.63	-2,161.64	-5,005.92	4,697.08	4,492.17	204.91	22.923		
17,400.00	6,966.53	13,555.88	7,277.00	305.16	181.05	-99.63	-2,161.64	-5,005.92	4,788.46	4,585.82	202.65	23.630		
17,500.00	6,966.80	13,555.88	7,277.00	308.00	181.05	-99.63	-2,161.64	-5,005.92	4,880.18	4,679.72	200.46	24.345		
17,600.00	6,967.06	13,555.88	7,277.00	310.85	181.05	-99.63	-2,161.64	-5,005.92	4,972.22	4,773.86	198.36	25.067		
17,700.00	6,967.33	13,555.88	7,277.00	313.69	181.05	-99.63	-2,161.64	-5,005.92	5,064.57	4,868.23	196.33	25.796		
17,800.00	6,967.59	13,555.88	7,277.00	316.53	181.05	-99.63	-2,161.64	-5,005.92	5,157.19	4,962.81	194.38	26.532		
17,900.00	6,967.86	13,555.88	7,277.00	319.37	181.05	-99.63	-2,161.64	-5,005.92	5,250.09	5,057.60	192.49	27.274		
18,000.00	6,968.13	13,555.88	7,277.00	322.21	181.05	-99.63	-2,161.64	-5,005.92	5,343.24	5,152.57	190.67	28.023		
18,100.00	6,968.39	13,555.88	7,277.00	325.05	181.05	-99.63	-2,161.64	-5,005.92	5,436.64	5,247.72	188.92	28.778		
18,200.00	6,968.66	13,555.88	7,277.00	327.90	181.05	-99.63	-2,161.64	-5,005.92	5,530.27	5,343.05	187.22	29.538		
18,300.00	6,968.92	13,555.88	7,277.00	330.74	181.05	-99.63	-2,161.64	-5,005.92	5,624.12	5,438.53	185.59	30.304		
18,400.00	6,969.19	13,555.88	7,277.00	333.58	181.05	-99.63	-2,161.64	-5,005.92	5,718.18	5,534.17	184.01	31.076		
18,500.00	6,969.46	13,555.88	7,277.00	336.43	181.05	-99.63	-2,161.64	-5,005.92	5,812.43	5,629.95	182.48	31.852		
18,600.00	6,969.72	13,555.88	7,277.00	339.27	181.05	-99.63	-2,161.64	-5,005.92	5,906.87	5,725.87	181.01	32.633		
18,704.56	6,970.00	13,555.88	7,277.00	342.24	181.05	-99.63	-2,161.64	-5,005.92	6,005.82	5,826.30	179.52	33.455		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-179.39	-104.92	-1.11	104.93					
100.00	100.00	100.00	100.00	3.28	3.28	-179.39	-104.92	-1.11	104.93	98.36	6.57	15.973		
200.00	200.00	200.00	200.00	3.34	3.34	-179.39	-104.92	-1.11	104.93	98.26	6.67	15.722 CC, ES		
300.00	299.98	297.12	297.10	3.44	3.44	80.96	-106.26	-0.15	106.01	99.13	6.89	15.397		
400.00	399.84	394.14	393.99	3.60	3.58	81.99	-110.27	2.72	109.29	102.09	7.20	15.180		
500.00	499.45	490.97	490.47	3.80	3.77	83.55	-116.92	7.49	114.83	107.22	7.61	15.090		
600.00	598.70	587.52	586.34	4.05	4.01	85.49	-126.19	14.14	122.70	114.60	8.10	15.146		
700.00	697.47	683.70	681.40	4.33	4.27	87.62	-138.03	22.63	133.00	124.34	8.66	15.352		
803.50	799.05	782.76	778.75	4.67	4.59	89.86	-152.92	33.31	146.28	136.97	9.31	15.707		
900.00	893.41	874.68	868.46	5.02	4.92	91.59	-169.18	44.98	161.05	151.08	9.97	16.149		
1,000.00	991.20	969.42	960.20	5.41	5.29	92.31	-188.38	58.75	178.58	167.87	10.70	16.683		
1,100.00	1,088.99	1,063.42	1,050.41	5.81	5.69	92.20	-209.86	74.15	198.23	186.76	11.47	17.279		
1,200.00	1,186.78	1,156.50	1,138.83	6.23	6.12	91.50	-233.48	91.09	220.00	207.73	12.27	17.931		
1,300.00	1,284.57	1,251.78	1,228.53	6.67	6.60	90.46	-259.58	109.81	243.51	230.41	13.10	18.584		
1,400.00	1,382.36	1,348.84	1,319.84	7.12	7.11	89.55	-286.33	129.00	267.24	253.27	13.98	19.122		
1,500.00	1,480.15	1,445.91	1,411.14	7.57	7.63	88.79	-313.09	148.19	291.03	276.16	14.87	19.571		
1,600.00	1,577.94	1,542.97	1,502.45	8.03	8.17	88.15	-339.85	167.39	314.86	299.08	15.78	19.949		
1,700.00	1,675.73	1,640.03	1,593.76	8.50	8.72	87.59	-366.60	186.58	338.72	322.01	16.71	20.268		
1,800.00	1,773.52	1,737.10	1,685.07	8.98	9.28	87.11	-393.36	205.77	362.60	344.95	17.65	20.540		
1,900.00	1,871.31	1,834.16	1,776.37	9.45	9.85	86.69	-420.11	224.96	386.51	367.91	18.61	20.772		
2,000.00	1,969.10	1,931.22	1,867.68	9.94	10.42	86.31	-446.87	244.15	410.44	390.87	19.57	20.973		
2,100.00	2,066.88	2,028.28	1,958.99	10.42	11.00	85.98	-473.63	263.34	434.38	413.84	20.54	21.148		
2,200.00	2,164.67	2,125.35	2,050.30	10.91	11.58	85.69	-500.38	282.53	458.33	436.81	21.52	21.300		
2,300.00	2,262.46	2,222.41	2,141.61	11.40	12.16	85.42	-527.14	301.72	482.29	459.79	22.50	21.433		
2,400.00	2,360.25	2,319.47	2,232.91	11.89	12.75	85.17	-553.89	320.91	506.26	482.77	23.49	21.550		
2,500.00	2,458.04	2,416.54	2,324.22	12.39	13.35	84.95	-580.65	340.10	530.24	505.75	24.49	21.655		
2,600.00	2,555.83	2,513.60	2,415.53	12.88	13.94	84.75	-607.41	359.29	554.23	528.74	25.48	21.747		
2,700.00	2,653.62	2,610.66	2,506.84	13.38	14.54	84.57	-634.16	378.48	578.22	551.73	26.49	21.830		
2,800.00	2,751.41	2,707.73	2,598.14	13.88	15.14	84.40	-660.92	397.67	602.21	574.72	27.49	21.904		
2,900.00	2,849.20	2,804.79	2,689.45	14.38	15.74	84.24	-687.67	416.87	626.22	597.71	28.50	21.971		
3,000.00	2,946.99	2,901.85	2,780.76	14.88	16.34	84.10	-714.43	436.06	650.22	620.71	29.51	22.032		
3,100.00	3,044.78	2,998.92	2,872.07	15.38	16.94	83.96	-741.19	455.25	674.23	643.70	30.53	22.087		
3,200.00	3,142.57	3,104.02	2,963.37	15.89	17.60	83.83	-767.94	474.44	698.24	666.66	31.59	22.105		
3,300.00	3,240.36	3,206.96	3,054.68	16.39	18.24	83.72	-794.70	493.63	722.26	689.62	32.64	22.130		
3,400.00	3,338.15	3,309.89	3,145.99	16.89	18.88	83.61	-821.46	512.82	746.28	712.59	33.69	22.151		
3,500.00	3,435.93	3,387.17	3,237.30	17.40	19.37	83.50	-848.21	532.01	770.30	735.70	34.60	22.262		
3,600.00	3,533.72	3,484.23	3,328.60	17.90	19.98	83.41	-874.97	551.20	794.32	758.70	35.62	22.297		
3,700.00	3,631.51	3,581.30	3,419.91	18.41	20.58	83.32	-901.72	570.39	818.35	781.70	36.65	22.329		
3,800.00	3,729.30	3,678.36	3,511.22	18.92	21.19	83.23	-928.48	589.58	842.37	804.70	37.67	22.359		
3,900.00	3,827.09	3,775.42	3,602.53	19.42	21.81	83.15	-955.24	608.77	866.40	827.70	38.70	22.387		
4,000.00	3,924.88	3,872.49	3,693.84	19.93	22.42	83.07	-981.99	627.96	890.43	850.70	39.73	22.413		
4,100.00	4,022.67	3,969.55	3,785.14	20.44	23.03	83.00	-1,008.75	647.16	914.46	873.70	40.76	22.436		
4,200.00	4,120.46	4,066.61	3,876.45	20.95	23.64	82.93	-1,035.50	666.35	938.49	896.71	41.79	22.459		
4,300.00	4,218.25	4,163.67	3,967.76	21.46	24.25	82.87	-1,062.26	685.54	962.53	919.71	42.82	22.479		
4,400.00	4,316.04	4,260.74	4,059.07	21.97	24.87	82.80	-1,089.02	704.73	986.56	942.71	43.85	22.499		
4,500.00	4,413.83	4,357.80	4,150.37	22.48	25.48	82.74	-1,115.77	723.92	1,010.60	965.72	44.88	22.517		
4,600.00	4,511.62	4,454.86	4,241.68	22.99	26.09	82.69	-1,142.53	743.11	1,034.64	988.72	45.92	22.534		
4,700.00	4,609.41	4,551.93	4,332.99	23.50	26.71	82.63	-1,169.28	762.30	1,058.67	1,011.73	46.95	22.550		
4,800.00	4,707.20	4,648.99	4,424.30	24.01	27.32	82.58	-1,196.04	781.49	1,082.71	1,034.73	47.98	22.565		
4,900.00	4,804.98	4,746.05	4,515.60	24.52	27.94	82.53	-1,222.80	800.68	1,106.75	1,057.73	49.02	22.579		
5,000.00	4,902.77	4,843.12	4,606.91	25.03	28.55	82.48	-1,249.55	819.87	1,130.79	1,080.74	50.05	22.592		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 30N-14B-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	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)					
5,100.00	5,000.56	4,940.18	4,698.22	25.54	29.17	82.44	-1,276.31	839.06		1,154.83	1,103.74	51.09	22.604				
5,200.00	5,098.35	5,037.24	4,789.53	26.05	29.78	82.40	-1,303.06	858.25		1,178.88	1,126.75	52.13	22.616				
5,300.00	5,196.14	5,134.31	4,880.83	26.56	30.40	82.35	-1,329.82	877.44		1,202.92	1,149.76	53.16	22.627				
5,400.00	5,293.93	5,231.37	4,972.14	27.07	31.01	82.31	-1,356.58	896.64		1,226.96	1,172.76	54.20	22.638				
5,500.00	5,391.72	5,328.43	5,063.45	27.58	31.63	82.27	-1,383.33	915.83		1,251.00	1,195.77	55.24	22.648				
5,600.00	5,489.51	5,425.50	5,154.76	28.09	32.25	82.24	-1,410.09	935.02		1,275.05	1,218.77	56.28	22.657				
5,700.00	5,587.30	5,522.56	5,246.07	28.61	32.86	82.20	-1,436.84	954.21		1,299.09	1,241.78	57.31	22.666				
5,800.00	5,685.09	5,619.62	5,337.37	29.12	33.48	82.17	-1,463.60	973.40		1,323.14	1,264.78	58.35	22.675				
5,900.00	5,782.88	5,716.69	5,428.68	29.63	34.10	82.13	-1,490.36	992.59		1,347.18	1,287.79	59.39	22.683				
6,000.00	5,880.67	5,813.75	5,519.99	30.14	34.71	82.10	-1,517.11	1,011.78		1,371.23	1,310.80	60.43	22.691				
6,100.00	5,978.46	5,910.81	5,611.30	30.65	35.33	82.07	-1,543.87	1,030.97		1,395.27	1,333.80	61.47	22.698				
6,200.00	6,076.25	6,007.87	5,702.60	31.17	35.95	82.04	-1,570.62	1,050.16		1,419.32	1,356.81	62.51	22.705				
6,298.86	6,172.92	6,103.83	5,792.87	31.67	36.56	82.01	-1,597.08	1,069.13		1,443.09	1,379.55	63.54	22.711				
6,300.00	6,174.03	6,104.94	5,793.91	31.68	36.57	81.95	-1,597.38	1,069.35		1,443.37	1,379.82	63.55	22.711				
6,350.00	6,223.30	6,153.42	5,839.52	31.92	36.88	76.81	-1,610.75	1,078.94		1,455.30	1,391.25	64.05	22.722				
6,400.00	6,273.06	6,201.61	5,884.85	32.13	37.18	56.24	-1,624.03	1,088.47		1,467.01	1,402.51	64.50	22.745				
6,450.00	6,323.01	6,249.21	5,929.63	32.32	37.48	-33.51	-1,637.15	1,097.88		1,478.48	1,413.58	64.90	22.782				
6,500.00	6,372.84	6,304.07	5,973.58	32.48	37.83	-65.25	-1,650.03	1,107.11		1,489.72	1,424.41	65.30	22.812				
6,550.00	6,422.24	6,341.47	6,016.42	32.65	38.07	-72.63	-1,662.58	1,116.12		1,500.76	1,435.15	65.60	22.877				
6,600.00	6,470.92	6,385.57	6,057.90	32.83	38.35	-75.66	-1,674.74	1,124.84		1,511.65	1,445.72	65.93	22.929				
6,650.00	6,518.56	6,427.93	6,097.75	33.01	38.62	-77.29	-1,686.42	1,133.21		1,522.47	1,456.24	66.24	22.986				
6,700.00	6,564.89	6,468.31	6,135.74	33.21	38.88	-78.30	-1,697.55	1,141.20		1,533.31	1,466.78	66.53	23.046				
6,750.00	6,609.60	6,506.46	6,171.62	33.43	39.12	-78.97	-1,708.06	1,148.74		1,544.27	1,477.46	66.82	23.112				
6,800.00	6,652.43	6,542.13	6,205.18	33.66	39.35	-79.41	-1,717.90	1,155.79		1,555.45	1,488.36	67.09	23.184				
6,850.00	6,693.10	6,575.12	6,236.21	33.91	39.56	-79.68	-1,726.99	1,162.31		1,566.95	1,499.59	67.36	23.261				
6,900.00	6,731.38	6,605.21	6,264.52	34.20	39.75	-79.79	-1,735.28	1,168.26		1,578.88	1,511.25	67.63	23.345				
6,950.00	6,767.02	6,632.22	6,289.93	34.51	39.92	-79.73	-1,742.73	1,173.60		1,591.31	1,523.41	67.90	23.436				
7,000.00	6,799.81	6,655.99	6,312.29	34.85	40.07	-79.49	-1,749.28	1,178.30		1,604.32	1,536.15	68.17	23.533				
7,050.00	6,829.54	6,676.37	6,331.46	35.24	40.20	-79.06	-1,754.90	1,182.33		1,617.96	1,549.51	68.45	23.637				
7,100.00	6,856.03	6,708.43	6,361.75	35.66	40.40	-78.96	-1,763.77	1,187.92		1,632.20	1,563.29	68.90	23.688				
7,150.00	6,879.11	6,743.99	6,395.62	36.12	40.60	-78.91	-1,773.68	1,192.26		1,646.91	1,577.48	69.43	23.720				
7,200.00	6,898.65	6,784.11	6,434.05	36.62	40.81	-78.94	-1,784.92	1,194.78		1,662.07	1,592.03	70.03	23.732				
7,250.00	6,914.51	6,832.39	6,480.38	37.15	41.03	-79.19	-1,798.45	1,194.46		1,677.61	1,606.88	70.73	23.720				
7,300.00	6,926.62	6,897.28	6,542.36	37.73	41.28	-79.94	-1,816.53	1,188.27		1,693.41	1,621.87	71.53	23.673				
7,350.00	6,934.88	7,004.32	6,642.30	38.34	41.59	-81.96	-1,845.61	1,163.84		1,709.19	1,636.66	72.53	23.564				
7,400.00	6,939.26	7,266.15	6,859.00	38.97	42.19	-87.95	-1,908.32	1,034.60		1,723.69	1,649.61	74.08	23.269				
7,429.12	6,940.00	7,664.83	7,050.31	39.34	43.82	-93.68	-1,962.68	696.57		1,728.76	1,650.78	77.98	22.169				
7,500.00	6,940.19	7,863.12	7,065.53	40.31	45.38	-94.16	-1,966.23	499.39		1,728.64	1,646.65	81.99	21.084				
7,600.00	6,940.46	7,963.12	7,066.35	41.80	46.41	-94.18	-1,966.03	399.40		1,728.10	1,643.21	84.88	20.358				
7,700.00	6,940.72	8,063.11	7,067.18	43.43	47.63	-94.20	-1,965.82	299.41		1,727.55	1,639.50	88.05	19.619				
7,800.00	6,940.99	8,163.11	7,068.01	45.19	49.01	-94.22	-1,965.61	199.41		1,727.01	1,635.54	91.47	18.880				
7,900.00	6,941.25	8,263.11	7,068.83	47.05	50.54	-94.24	-1,965.40	99.42		1,726.47	1,631.36	95.11	18.153				
8,000.00	6,941.52	8,363.10	7,069.66	49.02	52.22	-94.26	-1,965.19	-0.57		1,725.93	1,626.99	98.94	17.445				
8,100.00	6,941.79	8,463.10	7,070.48	51.06	54.02	-94.28	-1,964.98	-100.57		1,725.39	1,622.45	102.94	16.761				
8,200.00	6,942.05	8,563.10	7,071.31	53.18	55.92	-94.30	-1,964.77	-200.56		1,724.85	1,617.75	107.10	16.105				
8,300.00	6,942.32	8,663.09	7,072.14	55.37	57.92	-94.32	-1,964.56	-300.55		1,724.31	1,612.91	111.39	15.479				
8,400.00	6,942.58	8,763.09	7,072.96	57.62	60.00	-94.34	-1,964.35	-400.55		1,723.77	1,607.96	115.81	14.884				
8,500.00	6,942.85	8,863.09	7,073.79	59.92	62.15	-94.36	-1,964.14	-500.54		1,723.23	1,602.89	120.33	14.320				
8,600.00	6,943.12	8,963.08	7,074.61	62.26	64.37	-94.38	-1,963.93	-600.53		1,722.69	1,597.73	124.95	13.787				
8,700.00	6,943.38	9,063.08	7,075.44	64.65	66.64	-94.40	-1,963.72	-700.52		1,722.15	1,592.49	129.66	13.282				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 30N-14B-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		
8,800.00	6,943.65	9,163.08	7,076.27	67.08	68.95	-94.42	-1,963.52	-800.52	1,721.61	1,587.16	134.44	12.806		
8,900.00	6,943.91	9,263.07	7,077.09	69.53	71.31	-94.44	-1,963.31	-900.51	1,721.07	1,581.77	139.29	12.356		
9,000.00	6,944.18	9,363.07	7,077.92	72.02	73.71	-94.46	-1,963.10	-1,000.50	1,720.53	1,576.32	144.21	11.931		
9,100.00	6,944.45	9,463.07	7,078.74	74.54	76.15	-94.48	-1,962.89	-1,100.50	1,719.99	1,570.81	149.18	11.530		
9,200.00	6,944.71	9,563.06	7,079.57	77.07	78.61	-94.50	-1,962.68	-1,200.49	1,719.45	1,565.25	154.19	11.151		
9,300.00	6,944.98	9,663.06	7,080.39	79.63	81.10	-94.52	-1,962.47	-1,300.48	1,718.91	1,559.65	159.26	10.793		
9,400.00	6,945.24	9,763.06	7,081.22	82.21	83.62	-94.54	-1,962.26	-1,400.48	1,718.37	1,554.01	164.37	10.455		
9,500.00	6,945.51	9,863.05	7,082.05	84.81	86.16	-94.56	-1,962.05	-1,500.47	1,717.83	1,548.32	169.51	10.134		
9,600.00	6,945.78	9,963.05	7,082.87	87.43	88.72	-94.58	-1,961.84	-1,600.46	1,717.30	1,542.61	174.69	9.831		
9,700.00	6,946.04	10,063.05	7,083.70	90.05	91.30	-94.60	-1,961.63	-1,700.46	1,716.76	1,536.86	179.90	9.543		
9,800.00	6,946.31	10,163.04	7,084.52	92.70	93.89	-94.62	-1,961.42	-1,800.45	1,716.22	1,531.09	185.13	9.270		
9,900.00	6,946.57	10,263.04	7,085.35	95.35	96.51	-94.64	-1,961.21	-1,900.44	1,715.68	1,525.29	190.40	9.011		
10,000.00	6,946.84	10,363.04	7,086.18	98.02	99.13	-94.66	-1,961.01	-2,000.44	1,715.15	1,519.46	195.69	8.765		
10,100.00	6,947.11	10,463.03	7,087.00	100.70	101.77	-94.68	-1,960.80	-2,100.43	1,714.61	1,513.61	201.00	8.531		
10,200.00	6,947.37	10,563.03	7,087.83	103.38	104.42	-94.70	-1,960.59	-2,200.42	1,714.07	1,507.75	206.33	8.308		
10,300.00	6,947.64	10,663.03	7,088.65	106.08	107.08	-94.72	-1,960.38	-2,300.41	1,713.54	1,501.86	211.67	8.095		
10,400.00	6,947.90	10,763.02	7,089.48	108.78	109.76	-94.74	-1,960.17	-2,400.41	1,713.00	1,495.96	217.04	7.893		
10,500.00	6,948.17	10,863.02	7,090.30	111.49	112.44	-94.76	-1,959.96	-2,500.40	1,712.46	1,490.04	222.42	7.699		
10,600.00	6,948.44	10,963.02	7,091.13	114.21	115.13	-94.78	-1,959.75	-2,600.39	1,711.93	1,484.11	227.82	7.514		
10,700.00	6,948.70	11,063.01	7,091.96	116.94	117.83	-94.80	-1,959.54	-2,700.39	1,711.39	1,478.16	233.23	7.338		
10,800.00	6,948.97	11,163.01	7,092.78	119.67	120.53	-94.82	-1,959.33	-2,800.38	1,710.86	1,472.20	238.66	7.169		
10,900.00	6,949.24	11,263.01	7,093.61	122.41	123.25	-94.84	-1,959.12	-2,900.37	1,710.32	1,466.23	244.09	7.007		
11,000.00	6,949.50	11,363.00	7,094.43	125.15	125.97	-94.86	-1,958.91	-3,000.37	1,709.79	1,460.25	249.54	6.852		
11,100.00	6,949.77	11,463.00	7,095.26	127.90	128.70	-94.88	-1,958.70	-3,100.36	1,709.25	1,454.25	255.00	6.703		
11,200.00	6,950.03	11,563.00	7,096.09	130.65	131.43	-94.90	-1,958.50	-3,200.35	1,708.72	1,448.25	260.47	6.560		
11,300.00	6,950.30	11,662.99	7,096.91	133.41	134.17	-94.92	-1,958.29	-3,300.35	1,708.18	1,442.24	265.94	6.423		
11,400.00	6,950.57	11,762.99	7,097.74	136.17	136.91	-94.94	-1,958.08	-3,400.34	1,707.65	1,436.22	271.43	6.291		
11,500.00	6,950.83	11,862.99	7,098.56	138.94	139.66	-94.96	-1,957.87	-3,500.33	1,707.11	1,430.19	276.92	6.165		
11,600.00	6,951.10	11,962.98	7,099.39	141.71	142.41	-94.98	-1,957.66	-3,600.32	1,706.58	1,424.16	282.42	6.043		
11,700.00	6,951.36	12,062.98	7,100.22	144.48	145.16	-95.00	-1,957.45	-3,700.32	1,706.05	1,418.12	287.93	5.925		
11,800.00	6,951.63	12,162.98	7,101.04	147.26	147.93	-95.03	-1,957.24	-3,800.31	1,705.51	1,412.07	293.45	5.812		
11,900.00	6,951.90	12,262.97	7,101.87	150.03	150.69	-95.05	-1,957.03	-3,900.30	1,704.98	1,406.01	298.97	5.703		
12,000.00	6,952.16	12,362.97	7,102.69	152.82	153.46	-95.07	-1,956.82	-4,000.30	1,704.45	1,399.95	304.49	5.598		
12,100.00	6,952.43	12,462.97	7,103.52	155.60	156.23	-95.09	-1,956.61	-4,100.29	1,703.91	1,393.89	310.03	5.496		
12,200.00	6,952.69	12,562.96	7,104.34	158.39	159.00	-95.11	-1,956.40	-4,200.28	1,703.38	1,387.82	315.56	5.398		
12,300.00	6,952.96	12,662.96	7,105.17	161.18	161.78	-95.13	-1,956.19	-4,300.28	1,702.85	1,381.74	321.11	5.303		
12,400.00	6,953.23	12,762.96	7,106.00	163.97	164.56	-95.15	-1,955.99	-4,400.27	1,702.32	1,375.66	326.65	5.211		
12,500.00	6,953.49	12,862.96	7,106.82	166.77	167.34	-95.17	-1,955.78	-4,500.26	1,701.79	1,369.58	332.21	5.123		
12,600.00	6,953.76	12,962.95	7,107.65	169.56	170.13	-95.19	-1,955.57	-4,600.26	1,701.25	1,363.49	337.76	5.037		
12,700.00	6,954.02	13,062.95	7,108.47	172.36	172.92	-95.21	-1,955.36	-4,700.25	1,700.72	1,357.40	343.32	4.954		
12,800.00	6,954.29	13,162.95	7,109.30	175.16	175.71	-95.23	-1,955.15	-4,800.24	1,700.19	1,351.31	348.89	4.873		
12,900.00	6,954.56	13,262.94	7,110.13	177.97	178.50	-95.25	-1,954.94	-4,900.23	1,699.66	1,345.21	354.45	4.795		
13,000.00	6,954.82	13,362.94	7,110.95	180.77	181.30	-95.27	-1,954.73	-5,000.23	1,699.13	1,339.11	360.02	4.719		
13,012.78	6,954.86	13,375.72	7,111.06	181.13	181.65	-95.27	-1,954.70	-5,013.01	1,699.06	1,338.33	360.74	4.710		
13,100.00	6,955.09	13,368.87	7,111.00	183.58	181.46	-95.27	-1,954.72	-5,006.15	1,701.20	1,339.03	362.17	4.697 SF		
13,200.00	6,955.35	13,368.87	7,111.00	186.38	181.46	-95.27	-1,954.72	-5,006.15	1,709.12	1,346.18	362.94	4.709		
13,300.00	6,955.62	13,368.87	7,111.00	189.19	181.46	-95.27	-1,954.72	-5,006.15	1,722.82	1,360.29	362.54	4.752		
13,400.00	6,955.89	13,368.87	7,111.00	192.00	181.46	-95.27	-1,954.72	-5,006.15	1,742.16	1,381.15	361.01	4.826		
13,500.00	6,956.15	13,368.87	7,111.00	194.82	181.46	-95.27	-1,954.72	-5,006.15	1,766.96	1,408.49	358.47	4.929		
13,600.00	6,956.42	13,368.87	7,111.00	197.63	181.46	-95.27	-1,954.72	-5,006.15	1,796.98	1,441.98	355.00	5.062		
13,700.00	6,956.68	13,368.87	7,111.00	200.44	181.46	-95.27	-1,954.72	-5,006.15	1,831.98	1,481.24	350.74	5.223		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 30N-14B-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		
13,800.00	6,956.95	13,368.87	7,111.00	203.26	181.46	-95.27	-1,954.72	-5,006.15	1,871.68	1,525.86	345.82	5.412		
13,900.00	6,957.22	13,368.87	7,111.00	206.08	181.46	-95.27	-1,954.72	-5,006.15	1,915.77	1,575.41	340.36	5.629		
14,000.00	6,957.48	13,368.87	7,111.00	208.89	181.46	-95.27	-1,954.72	-5,006.15	1,963.97	1,629.48	334.49	5.872		
14,100.00	6,957.75	13,368.87	7,111.00	211.71	181.46	-95.27	-1,954.72	-5,006.15	2,015.99	1,687.67	328.32	6.140		
14,200.00	6,958.02	13,368.87	7,111.00	214.53	181.46	-95.27	-1,954.72	-5,006.15	2,071.53	1,749.57	321.95	6.434		
14,300.00	6,958.28	13,368.87	7,111.00	217.36	181.46	-95.27	-1,954.72	-5,006.15	2,130.31	1,814.84	315.47	6.753		
14,400.00	6,958.55	13,368.87	7,111.00	220.18	181.46	-95.27	-1,954.72	-5,006.15	2,192.09	1,883.13	308.96	7.095		
14,500.00	6,958.81	13,368.87	7,111.00	223.00	181.46	-95.27	-1,954.72	-5,006.15	2,256.60	1,954.14	302.47	7.461		
14,600.00	6,959.08	13,368.87	7,111.00	225.83	181.46	-95.27	-1,954.72	-5,006.15	2,323.63	2,027.58	296.05	7.849		
14,700.00	6,959.35	13,368.87	7,111.00	228.65	181.46	-95.27	-1,954.72	-5,006.15	2,392.96	2,103.22	289.75	8.259		
14,800.00	6,959.61	13,368.87	7,111.00	231.48	181.46	-95.27	-1,954.72	-5,006.15	2,464.40	2,180.81	283.59	8.690		
14,900.00	6,959.88	13,368.87	7,111.00	234.30	181.46	-95.27	-1,954.72	-5,006.15	2,537.77	2,260.18	277.60	9.142		
15,000.00	6,960.14	13,368.87	7,111.00	237.13	181.46	-95.27	-1,954.72	-5,006.15	2,612.91	2,341.12	271.79	9.614		
15,100.00	6,960.41	13,368.87	7,111.00	239.96	181.46	-95.27	-1,954.72	-5,006.15	2,689.67	2,423.50	266.17	10.105		
15,200.00	6,960.68	13,368.87	7,111.00	242.79	181.46	-95.27	-1,954.72	-5,006.15	2,767.91	2,507.16	260.75	10.615		
15,300.00	6,960.94	13,368.87	7,111.00	245.62	181.46	-95.27	-1,954.72	-5,006.15	2,847.52	2,591.98	255.54	11.143		
15,400.00	6,961.21	13,368.87	7,111.00	248.45	181.46	-95.27	-1,954.72	-5,006.15	2,928.37	2,677.84	250.53	11.689		
15,500.00	6,961.47	13,368.87	7,111.00	251.28	181.46	-95.27	-1,954.72	-5,006.15	3,010.38	2,764.66	245.71	12.252		
15,600.00	6,961.74	13,368.87	7,111.00	254.11	181.46	-95.27	-1,954.72	-5,006.15	3,093.44	2,852.34	241.10	12.831		
15,700.00	6,962.01	13,368.87	7,111.00	256.94	181.46	-95.27	-1,954.72	-5,006.15	3,177.48	2,940.81	236.67	13.426		
15,800.00	6,962.27	13,368.87	7,111.00	259.77	181.46	-95.27	-1,954.72	-5,006.15	3,262.42	3,029.99	232.43	14.036		
15,900.00	6,962.54	13,368.87	7,111.00	262.61	181.46	-95.27	-1,954.72	-5,006.15	3,348.20	3,119.82	228.37	14.661		
16,000.00	6,962.80	13,368.87	7,111.00	265.44	181.46	-95.27	-1,954.72	-5,006.15	3,434.74	3,210.25	224.49	15.300		
16,100.00	6,963.07	13,368.87	7,111.00	268.28	181.46	-95.27	-1,954.72	-5,006.15	3,521.99	3,301.22	220.77	15.953		
16,200.00	6,963.34	13,368.87	7,111.00	271.11	181.46	-95.27	-1,954.72	-5,006.15	3,609.91	3,392.70	217.21	16.620		
16,300.00	6,963.60	13,368.87	7,111.00	273.95	181.46	-95.27	-1,954.72	-5,006.15	3,698.44	3,484.64	213.80	17.299		
16,400.00	6,963.87	13,368.87	7,111.00	276.78	181.46	-95.27	-1,954.72	-5,006.15	3,787.54	3,577.00	210.54	17.990		
16,500.00	6,964.13	13,368.87	7,111.00	279.62	181.46	-95.27	-1,954.72	-5,006.15	3,877.17	3,669.76	207.42	18.693		
16,600.00	6,964.40	13,368.87	7,111.00	282.46	181.46	-95.27	-1,954.72	-5,006.15	3,967.30	3,762.88	204.42	19.407		
16,700.00	6,964.67	13,368.87	7,111.00	285.29	181.46	-95.27	-1,954.72	-5,006.15	4,057.89	3,856.34	201.56	20.132		
16,800.00	6,964.93	13,368.87	7,111.00	288.13	181.46	-95.27	-1,954.72	-5,006.15	4,148.92	3,950.10	198.81	20.868		
16,900.00	6,965.20	13,368.87	7,111.00	290.97	181.46	-95.27	-1,954.72	-5,006.15	4,240.35	4,044.16	196.18	21.614		
17,000.00	6,965.46	13,368.87	7,111.00	293.81	181.46	-95.27	-1,954.72	-5,006.15	4,332.15	4,138.49	193.66	22.369		
17,100.00	6,965.73	13,368.87	7,111.00	296.65	181.46	-95.27	-1,954.72	-5,006.15	4,424.31	4,233.07	191.25	23.134		
17,200.00	6,966.00	13,368.87	7,111.00	299.49	181.46	-95.27	-1,954.72	-5,006.15	4,516.81	4,327.88	188.93	23.908		
17,300.00	6,966.26	13,368.87	7,111.00	302.32	181.46	-95.27	-1,954.72	-5,006.15	4,609.62	4,422.92	186.70	24.690		
17,400.00	6,966.53	13,368.87	7,111.00	305.16	181.46	-95.27	-1,954.72	-5,006.15	4,702.72	4,518.16	184.57	25.480		
17,500.00	6,966.80	13,368.87	7,111.00	308.00	181.46	-95.27	-1,954.72	-5,006.15	4,796.10	4,613.59	182.52	26.278		
17,600.00	6,967.06	13,368.87	7,111.00	310.85	181.46	-95.27	-1,954.72	-5,006.15	4,889.75	4,709.20	180.55	27.083		
17,700.00	6,967.33	13,368.87	7,111.00	313.69	181.46	-95.27	-1,954.72	-5,006.15	4,983.64	4,804.98	178.65	27.896		
17,800.00	6,967.59	13,368.87	7,111.00	316.53	181.46	-95.27	-1,954.72	-5,006.15	5,077.76	4,900.93	176.83	28.715		
17,900.00	6,967.86	13,368.87	7,111.00	319.37	181.46	-95.27	-1,954.72	-5,006.15	5,172.10	4,997.02	175.08	29.541		
18,000.00	6,968.13	13,368.87	7,111.00	322.21	181.46	-95.27	-1,954.72	-5,006.15	5,266.66	5,093.25	173.40	30.373		
18,100.00	6,968.39	13,368.87	7,111.00	325.05	181.46	-95.27	-1,954.72	-5,006.15	5,361.41	5,189.62	171.78	31.210		
18,200.00	6,968.66	13,368.87	7,111.00	327.90	181.46	-95.27	-1,954.72	-5,006.15	5,456.34	5,286.12	170.22	32.054		
18,300.00	6,968.92	13,368.87	7,111.00	330.74	181.46	-95.27	-1,954.72	-5,006.15	5,551.46	5,382.73	168.72	32.903		
18,400.00	6,969.19	13,368.87	7,111.00	333.58	181.46	-95.27	-1,954.72	-5,006.15	5,646.74	5,479.46	167.28	33.756		
18,500.00	6,969.46	13,368.87	7,111.00	336.43	181.46	-95.27	-1,954.72	-5,006.15	5,742.19	5,576.30	165.89	34.615		
18,600.00	6,969.72	13,368.87	7,111.00	339.27	181.46	-95.27	-1,954.72	-5,006.15	5,837.78	5,673.24	164.55	35.478		
18,704.56	6,970.00	13,368.87	7,111.00	342.24	181.46	-95.27	-1,954.72	-5,006.15	5,937.90	5,774.70	163.19	36.385		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-179.97	-1.67	179.98					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-179.97	-1.67	179.98	173.41	6.57	27.397		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-179.97	-1.67	179.98	173.30	6.67	26.967		
300.00	299.98	299.98	299.98	3.44	3.44	81.09	-179.97	-1.67	179.70	172.81	6.89	26.093		
321.63	321.59	320.44	320.44	3.47	3.47	81.33	-180.04	-1.64	179.64	172.70	6.94	25.871	CC, ES	
400.00	399.84	394.57	394.55	3.60	3.59	82.41	-181.39	-1.01	180.43	173.24	7.19	25.096		
500.00	499.45	489.03	488.89	3.80	3.77	84.22	-185.63	0.95	183.78	176.20	7.58	24.234		
600.00	598.70	583.23	582.77	4.05	3.98	86.41	-192.66	4.22	189.92	181.86	8.06	23.562		
700.00	697.47	677.05	675.96	4.33	4.23	88.85	-202.45	8.76	199.02	190.41	8.61	23.121		
803.50	799.05	773.60	771.45	4.67	4.51	91.47	-215.41	14.76	211.68	202.45	9.24	22.916		
900.00	893.41	863.18	859.56	5.02	4.81	93.79	-230.03	21.55	226.46	216.58	9.87	22.934		
1,000.00	991.20	955.56	949.85	5.41	5.14	95.44	-247.72	29.75	244.46	233.89	10.57	23.131		
1,100.00	1,088.99	1,047.30	1,038.86	5.81	5.50	96.42	-267.89	39.11	264.96	253.66	11.30	23.447		
1,200.00	1,186.78	1,138.23	1,126.32	6.23	5.88	96.85	-290.43	49.56	287.79	275.73	12.06	23.871		
1,300.00	1,284.57	1,228.18	1,212.02	6.67	6.29	96.84	-315.19	61.04	312.86	300.03	12.83	24.385		
1,400.00	1,382.36	1,316.98	1,295.75	7.12	6.72	96.51	-342.01	73.48	340.13	326.51	13.62	24.979		
1,500.00	1,480.15	1,404.49	1,377.33	7.57	7.18	95.92	-370.74	86.80	369.58	355.17	14.41	25.646		
1,600.00	1,577.94	1,490.58	1,456.60	8.03	7.65	95.16	-401.19	100.93	401.23	386.02	15.21	26.381		
1,700.00	1,675.73	1,575.13	1,533.44	8.50	8.15	94.28	-433.19	115.77	435.07	419.07	16.01	27.183		
1,800.00	1,773.52	1,658.87	1,608.49	8.98	8.66	93.32	-466.89	131.39	471.10	454.30	16.80	28.040		
1,900.00	1,871.31	1,751.41	1,690.92	9.45	9.26	92.32	-505.05	149.09	508.14	490.43	17.72	28.683		
2,000.00	1,969.10	1,843.96	1,773.36	9.94	9.88	91.45	-543.20	166.78	545.30	526.66	18.65	29.246		
2,100.00	2,066.88	1,936.50	1,855.79	10.42	10.50	90.69	-581.35	184.48	582.56	562.97	19.59	29.742		
2,200.00	2,164.67	2,029.04	1,938.22	10.91	11.14	90.02	-619.51	202.17	619.89	599.35	20.54	30.179		
2,300.00	2,262.46	2,121.58	2,020.66	11.40	11.78	89.43	-657.66	219.86	657.28	635.78	21.50	30.567		
2,400.00	2,360.25	2,214.12	2,103.09	11.89	12.44	88.90	-695.81	237.56	694.73	672.26	22.47	30.913		
2,500.00	2,458.04	2,306.67	2,185.53	12.39	13.09	88.43	-733.97	255.25	732.23	708.78	23.45	31.223		
2,600.00	2,555.83	2,399.21	2,267.96	12.88	13.76	88.00	-772.12	272.95	769.76	745.33	24.44	31.501		
2,700.00	2,653.62	2,508.25	2,350.39	13.38	14.55	87.61	-810.27	290.64	807.33	781.80	25.52	31.629		
2,800.00	2,751.41	2,584.29	2,432.83	13.88	15.10	87.26	-848.42	308.33	844.93	818.51	26.42	31.980		
2,900.00	2,849.20	2,676.83	2,515.26	14.38	15.78	86.93	-886.58	326.03	882.55	855.13	27.42	32.186		
3,000.00	2,946.99	2,769.38	2,597.69	14.88	16.46	86.64	-924.73	343.72	920.19	891.77	28.42	32.374		
3,100.00	3,044.78	2,861.92	2,680.13	15.38	17.14	86.36	-962.88	361.42	957.86	928.43	29.43	32.546		
3,200.00	3,142.57	2,954.46	2,762.56	15.89	17.82	86.11	-1,001.04	379.11	995.54	965.10	30.44	32.704		
3,300.00	3,240.36	3,047.00	2,844.99	16.39	18.51	85.87	-1,039.19	396.80	1,033.24	1,001.78	31.45	32.849		
3,400.00	3,338.15	3,139.54	2,927.43	16.89	19.20	85.66	-1,077.34	414.50	1,070.95	1,038.48	32.47	32.983		
3,500.00	3,435.93	3,232.09	3,009.86	17.40	19.89	85.45	-1,115.50	432.19	1,108.67	1,075.18	33.49	33.107		
3,600.00	3,533.72	3,324.63	3,092.29	17.90	20.58	85.26	-1,153.65	449.88	1,146.41	1,111.90	34.51	33.221		
3,700.00	3,631.51	3,417.17	3,174.73	18.41	21.27	85.08	-1,191.80	467.58	1,184.15	1,148.62	35.53	33.328		
3,800.00	3,729.30	3,509.71	3,257.16	18.92	21.97	84.92	-1,229.96	485.27	1,221.91	1,185.35	36.55	33.427		
3,900.00	3,827.09	3,602.25	3,339.59	19.42	22.66	84.76	-1,268.11	502.97	1,259.67	1,222.09	37.58	33.519		
4,000.00	3,924.88	3,705.20	3,422.03	19.93	23.44	84.61	-1,306.26	520.66	1,297.44	1,258.77	38.67	33.549		
4,100.00	4,022.67	3,787.34	3,504.46	20.44	24.06	84.47	-1,344.42	538.35	1,335.22	1,295.58	39.64	33.686		
4,200.00	4,120.46	3,879.88	3,586.90	20.95	24.76	84.34	-1,382.57	556.05	1,373.00	1,332.33	40.67	33.762		
4,300.00	4,218.25	3,972.42	3,669.33	21.46	25.45	84.21	-1,420.72	573.74	1,410.79	1,369.09	41.70	33.833		
4,400.00	4,316.04	4,064.96	3,751.76	21.97	26.15	84.10	-1,458.88	591.44	1,448.59	1,405.86	42.73	33.899		
4,500.00	4,413.83	4,157.51	3,834.20	22.48	26.86	83.98	-1,497.03	609.13	1,486.39	1,442.62	43.77	33.962		
4,600.00	4,511.62	4,250.05	3,916.63	22.99	27.56	83.88	-1,535.18	626.82	1,524.19	1,479.39	44.80	34.022		
4,700.00	4,609.41	4,342.59	3,999.06	23.50	28.26	83.78	-1,573.33	644.52	1,562.00	1,516.17	45.84	34.078		
4,800.00	4,707.20	4,435.13	4,081.50	24.01	28.96	83.68	-1,611.49	662.21	1,599.82	1,552.94	46.87	34.131		
4,900.00	4,804.98	4,527.67	4,163.93	24.52	29.66	83.59	-1,649.64	679.91	1,637.63	1,589.72	47.91	34.181		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 31C-14-S - Plan #1 - 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	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)					
5,000.00	4,902.77	4,620.22	4,246.36	25.03	30.37	83.50	-1,687.79	697.60		1,675.45	1,626.50	48.95	34.228				
5,100.00	5,000.56	4,712.76	4,328.80	25.54	31.07	83.41	-1,725.95	715.29		1,713.28	1,663.29	49.99	34.273				
5,200.00	5,098.35	4,805.30	4,411.23	26.05	31.77	83.33	-1,764.10	732.99		1,751.10	1,700.08	51.03	34.316				
5,300.00	5,196.14	4,897.84	4,493.66	26.56	32.48	83.26	-1,802.25	750.68		1,788.93	1,736.86	52.07	34.357				
5,400.00	5,293.93	4,990.38	4,576.10	27.07	33.18	83.18	-1,840.41	768.38		1,826.77	1,773.66	53.11	34.396				
5,500.00	5,391.72	5,082.93	4,658.53	27.58	33.89	83.11	-1,878.56	786.07		1,864.60	1,810.45	54.15	34.433				
5,600.00	5,489.51	5,175.47	4,740.96	28.09	34.59	83.04	-1,916.71	803.76		1,902.44	1,847.24	55.19	34.468				
5,700.00	5,587.30	5,268.01	4,823.40	28.61	35.30	82.98	-1,954.87	821.46		1,940.28	1,884.04	56.24	34.501				
5,800.00	5,685.09	5,360.55	4,905.83	29.12	36.01	82.91	-1,993.02	839.15		1,978.12	1,920.84	57.28	34.533				
5,900.00	5,782.88	5,453.09	4,988.27	29.63	36.71	82.85	-2,031.17	856.84		2,015.96	1,957.64	58.33	34.564				
6,000.00	5,880.67	5,545.64	5,070.70	30.14	37.42	82.79	-2,069.33	874.54		2,053.81	1,994.44	59.37	34.593				
6,100.00	5,978.46	5,638.18	5,153.13	30.65	38.13	82.74	-2,107.48	892.23		2,091.66	2,031.24	60.42	34.621				
6,200.00	6,076.25	5,730.72	5,235.57	31.17	38.83	82.68	-2,145.63	909.93		2,129.50	2,068.04	61.46	34.648				
6,298.86	6,172.92	5,822.21	5,317.06	31.67	39.53	82.63	-2,183.35	927.42		2,166.92	2,104.43	62.49	34.674				
6,300.00	6,174.03	5,823.26	5,318.00	31.68	39.54	82.59	-2,183.79	927.62		2,167.36	2,104.85	62.51	34.674				
6,350.00	6,223.30	5,869.48	5,359.17	31.92	39.89	78.18	-2,202.84	936.46		2,186.16	2,123.15	63.01	34.697				
6,400.00	6,273.06	5,915.42	5,400.09	32.13	40.24	58.37	-2,221.78	945.24		2,204.67	2,141.20	63.47	34.738				
6,450.00	6,323.01	5,960.78	5,440.49	32.32	40.59	-30.59	-2,240.48	953.91		2,222.81	2,158.93	63.88	34.798				
6,500.00	6,372.84	6,005.29	5,480.14	32.48	40.93	-61.53	-2,258.83	962.42		2,240.51	2,176.25	64.26	34.868				
6,550.00	6,422.24	6,048.67	5,518.79	32.65	41.26	-68.10	-2,276.72	970.72		2,257.74	2,193.13	64.62	34.940				
6,600.00	6,470.92	6,109.33	5,556.19	32.83	41.73	-70.34	-2,294.03	978.75		2,274.48	2,209.40	65.08	34.949				
6,650.00	6,518.56	6,131.01	5,592.13	33.01	41.89	-71.19	-2,310.66	986.46		2,290.72	2,225.42	65.30	35.081				
6,700.00	6,564.89	6,169.44	5,626.37	33.21	42.19	-71.46	-2,326.51	993.81		2,306.46	2,240.84	65.62	35.148				
6,750.00	6,609.60	6,205.74	5,658.70	33.43	42.46	-71.44	-2,341.47	1,000.75		2,321.72	2,255.78	65.93	35.212				
6,800.00	6,652.43	6,239.68	5,688.93	33.66	42.72	-71.25	-2,355.47	1,007.24		2,336.51	2,270.27	66.24	35.272				
6,850.00	6,693.10	6,271.05	5,716.88	33.91	42.96	-70.97	-2,368.40	1,013.24		2,350.87	2,284.32	66.55	35.326				
6,900.00	6,731.38	6,300.34	5,742.35	34.20	43.19	-70.61	-2,380.19	1,018.71		2,364.82	2,297.96	66.86	35.371				
6,950.00	6,767.02	6,325.32	5,765.22	34.51	43.38	-70.18	-2,390.77	1,023.61		2,378.38	2,311.21	67.16	35.412				
7,000.00	6,799.81	6,347.88	5,785.32	34.85	43.55	-69.70	-2,400.08	1,027.93		2,391.57	2,324.09	67.48	35.441				
7,050.00	6,829.54	6,367.21	5,802.53	35.24	43.70	-69.16	-2,408.04	1,031.62		2,404.42	2,336.61	67.81	35.460				
7,100.00	6,856.03	6,383.18	5,816.76	35.66	43.82	-68.55	-2,414.63	1,034.68		2,416.92	2,348.77	68.15	35.467				
7,150.00	6,879.11	6,404.31	5,827.90	36.12	43.98	-67.88	-2,419.79	1,037.07		2,429.06	2,360.51	68.55	35.435				
7,200.00	6,898.65	6,404.68	5,835.90	36.62	43.99	-67.15	-2,423.49	1,038.79		2,440.85	2,371.98	68.87	35.443				
7,250.00	6,914.51	6,410.07	5,840.71	37.15	44.03	-66.36	-2,425.71	1,039.82		2,452.24	2,382.99	69.25	35.413				
7,300.00	6,926.62	6,411.84	5,842.29	37.73	44.04	-65.50	-2,426.44	1,040.16		2,463.20	2,393.56	69.64	35.372				
7,350.00	6,934.88	6,409.98	5,840.63	38.34	44.03	-64.60	-2,425.68	1,039.80		2,473.67	2,403.64	70.03	35.321				
7,400.00	6,939.26	6,404.50	5,835.75	38.97	43.98	-63.65	-2,423.42	1,038.75		2,483.59	2,413.15	70.43	35.261				
7,429.12	6,940.00	6,400.35	5,831.43	39.34	43.95	-63.08	-2,421.42	1,037.83		2,489.08	2,418.41	70.67	35.221				
7,500.00	6,940.19	6,386.38	5,819.60	40.31	43.85	-62.78	-2,415.95	1,035.29		2,503.11	2,431.85	71.26	35.126				
7,600.00	6,940.46	6,367.65	5,802.92	41.80	43.70	-62.35	-2,408.22	1,031.71		2,526.03	2,453.83	72.20	34.988				
7,700.00	6,940.72	6,348.92	5,786.24	43.43	43.56	-61.92	-2,400.50	1,028.13		2,552.53	2,479.31	73.22	34.860				
7,800.00	6,940.99	6,330.19	5,769.56	45.19	43.42	-61.49	-2,392.78	1,024.54		2,582.49	2,508.18	74.31	34.752				
7,900.00	6,941.25	6,311.47	5,752.87	47.05	43.27	-61.06	-2,385.06	1,020.96		2,615.81	2,540.36	75.44	34.673				
8,000.00	6,941.52	6,307.26	5,736.19	49.02	43.24	-60.63	-2,377.34	1,017.38		2,652.34	2,575.66	76.68	34.589				
8,100.00	6,941.79	6,274.01	5,719.51	51.06	42.99	-60.20	-2,369.62	1,013.80		2,691.97	2,614.21	77.76	34.620				
8,200.00	6,942.05	6,255.28	5,702.83	53.18	42.84	-59.78	-2,361.90	1,010.22		2,734.55	2,655.63	78.91	34.652				
8,300.00	6,942.32	6,236.55	5,686.15	55.37	42.70	-59.35	-2,354.18	1,006.64		2,779.95	2,699.90	80.05	34.727				
8,400.00	6,942.58	6,217.83	5,669.46	57.62	42.56	-58.92	-2,346.46	1,003.06		2,828.04	2,746.87	81.16	34.845				
8,500.00	6,942.85	9,389.34	7,238.23	59.92	66.15	-95.99	-3,062.77	-503.67		2,832.32	2,710.60	121.73	23.268				
8,600.00	6,943.12	9,489.33	7,238.81	62.26	68.13	-95.99	-3,062.51	-603.66		2,831.72	2,705.44	126.28	22.424				

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31C-14-S - Plan #1 - Plan #1														Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,700.00	6,943.38	9,589.33	7,239.39	64.65	70.19	-96.00	-3,062.25	-703.66	2,831.12	2,700.20	130.92	21.625			
8,800.00	6,943.65	9,689.33	7,239.97	67.08	72.32	-96.01	-3,061.99	-803.65	2,830.52	2,694.88	135.64	20.868			
8,900.00	6,943.91	9,789.33	7,240.55	69.53	74.52	-96.02	-3,061.73	-903.65	2,829.92	2,689.49	140.43	20.151			
9,000.00	6,944.18	9,889.32	7,241.13	72.02	76.78	-96.02	-3,061.47	-1,003.65	2,829.32	2,684.03	145.29	19.474			
9,100.00	6,944.45	9,989.32	7,241.71	74.54	79.08	-96.03	-3,061.21	-1,103.64	2,828.72	2,678.52	150.21	18.832			
9,200.00	6,944.71	10,089.32	7,242.30	77.07	81.43	-96.04	-3,060.95	-1,203.64	2,828.12	2,672.95	155.17	18.226			
9,300.00	6,944.98	10,189.32	7,242.88	79.63	83.81	-96.05	-3,060.68	-1,303.63	2,827.52	2,667.33	160.19	17.651			
9,400.00	6,945.24	10,289.31	7,243.46	82.21	86.23	-96.05	-3,060.42	-1,403.63	2,826.92	2,661.67	165.25	17.107			
9,500.00	6,945.51	10,389.31	7,244.04	84.81	88.68	-96.06	-3,060.16	-1,503.62	2,826.32	2,655.98	170.35	16.591			
9,600.00	6,945.78	10,489.31	7,244.62	87.43	91.16	-96.07	-3,059.90	-1,603.62	2,825.72	2,650.24	175.48	16.103			
9,700.00	6,946.04	10,589.31	7,245.20	90.05	93.66	-96.08	-3,059.64	-1,703.61	2,825.12	2,644.47	180.65	15.639			
9,800.00	6,946.31	10,689.30	7,245.78	92.70	96.19	-96.09	-3,059.38	-1,803.61	2,824.53	2,638.68	185.85	15.198			
9,900.00	6,946.57	10,789.30	7,246.36	95.35	98.74	-96.09	-3,059.12	-1,903.60	2,823.93	2,632.85	191.08	14.779			
10,000.00	6,946.84	10,889.30	7,246.94	98.02	101.30	-96.10	-3,058.86	-2,003.60	2,823.33	2,627.00	196.33	14.381			
10,100.00	6,947.11	10,989.30	7,247.52	100.70	103.88	-96.11	-3,058.59	-2,103.60	2,822.73	2,621.12	201.60	14.001			
10,200.00	6,947.37	11,089.29	7,248.11	103.38	106.48	-96.12	-3,058.33	-2,203.59	2,822.13	2,615.23	206.90	13.640			
10,300.00	6,947.64	11,189.29	7,248.69	106.08	109.09	-96.12	-3,058.07	-2,303.59	2,821.53	2,609.31	212.22	13.296			
10,400.00	6,947.90	11,289.29	7,249.27	108.78	111.72	-96.13	-3,057.81	-2,403.58	2,820.93	2,603.38	217.55	12.967			
10,500.00	6,948.17	11,389.29	7,249.85	111.49	114.35	-96.14	-3,057.55	-2,503.58	2,820.33	2,597.42	222.91	12.653			
10,600.00	6,948.44	11,489.28	7,250.43	114.21	117.00	-96.15	-3,057.29	-2,603.57	2,819.73	2,591.46	228.27	12.352			
10,700.00	6,948.70	11,589.28	7,251.01	116.94	119.66	-96.16	-3,057.03	-2,703.57	2,819.13	2,585.47	233.66	12.065			
10,800.00	6,948.97	11,689.28	7,251.59	119.67	122.33	-96.16	-3,056.77	-2,803.56	2,818.53	2,579.48	239.06	11.790			
10,900.00	6,949.24	11,789.28	7,252.17	122.41	125.01	-96.17	-3,056.50	-2,903.56	2,817.93	2,573.46	244.47	11.527			
11,000.00	6,949.50	11,889.27	7,252.75	125.15	127.70	-96.18	-3,056.24	-3,003.55	2,817.33	2,567.44	249.89	11.274			
11,100.00	6,949.77	11,989.27	7,253.33	127.90	130.39	-96.19	-3,055.98	-3,103.55	2,816.74	2,561.41	255.33	11.032			
11,200.00	6,950.03	12,089.27	7,253.92	130.65	133.09	-96.19	-3,055.72	-3,203.55	2,816.14	2,555.37	260.77	10.799			
11,300.00	6,950.30	12,189.27	7,254.50	133.41	135.80	-96.20	-3,055.46	-3,303.54	2,815.54	2,549.31	266.23	10.576			
11,400.00	6,950.57	12,289.26	7,255.08	136.17	138.52	-96.21	-3,055.20	-3,403.54	2,814.94	2,543.25	271.69	10.361			
11,500.00	6,950.83	12,389.26	7,255.66	138.94	141.24	-96.22	-3,054.94	-3,503.53	2,814.34	2,537.18	277.16	10.154			
11,600.00	6,951.10	12,489.26	7,256.24	141.71	143.96	-96.23	-3,054.68	-3,603.53	2,813.74	2,531.10	282.65	9.955			
11,700.00	6,951.36	12,589.26	7,256.82	144.48	146.70	-96.23	-3,054.42	-3,703.52	2,813.14	2,525.01	288.14	9.763			
11,800.00	6,951.63	12,689.25	7,257.40	147.26	149.43	-96.24	-3,054.15	-3,803.52	2,812.54	2,518.91	293.63	9.578			
11,900.00	6,951.90	12,789.25	7,257.98	150.03	152.17	-96.25	-3,053.89	-3,903.51	2,811.95	2,512.81	299.14	9.400			
12,000.00	6,952.16	12,889.25	7,258.56	152.82	154.92	-96.26	-3,053.63	-4,003.51	2,811.35	2,506.70	304.65	9.228			
12,100.00	6,952.43	12,989.25	7,259.14	155.60	157.67	-96.26	-3,053.37	-4,103.50	2,810.75	2,500.59	310.16	9.062			
12,200.00	6,952.69	13,089.24	7,259.73	158.39	160.43	-96.27	-3,053.11	-4,203.50	2,810.15	2,494.47	315.68	8.902			
12,300.00	6,952.96	13,189.24	7,260.31	161.18	163.18	-96.28	-3,052.85	-4,303.50	2,809.55	2,488.34	321.21	8.747			
12,400.00	6,953.23	13,289.24	7,260.89	163.97	165.95	-96.29	-3,052.59	-4,403.49	2,808.95	2,482.21	326.75	8.597			
12,500.00	6,953.49	13,389.24	7,261.47	166.77	168.71	-96.30	-3,052.33	-4,503.49	2,808.36	2,476.07	332.28	8.452			
12,600.00	6,953.76	13,480.77	7,262.00	169.56	171.24	-96.30	-3,052.09	-4,595.02	2,807.77	2,470.21	337.57	8.318			
12,608.33	6,953.78	13,480.77	7,262.00	169.80	171.24	-96.30	-3,052.09	-4,595.02	2,807.76	2,469.99	337.77	8.313			
12,700.00	6,954.02	13,480.77	7,262.00	172.36	171.24	-96.30	-3,052.09	-4,595.02	2,809.25	2,469.45	339.81	8.267			
12,800.00	6,954.29	13,480.77	7,262.00	175.16	171.24	-96.30	-3,052.09	-4,595.02	2,814.29	2,472.65	341.64	8.237			
12,900.00	6,954.56	13,480.77	7,262.00	177.97	171.24	-96.30	-3,052.09	-4,595.02	2,822.87	2,479.79	343.07	8.228 SF			
13,000.00	6,954.82	13,480.77	7,262.00	180.77	171.24	-96.30	-3,052.09	-4,595.02	2,834.94	2,490.85	344.10	8.239			
13,100.00	6,955.09	13,480.77	7,262.00	183.58	171.24	-96.30	-3,052.09	-4,595.02	2,850.48	2,505.76	344.72	8.269			
13,200.00	6,955.35	13,480.77	7,262.00	186.38	171.24	-96.30	-3,052.09	-4,595.02	2,869.42	2,524.47	344.95	8.318			
13,300.00	6,955.62	13,480.77	7,262.00	189.19	171.24	-96.30	-3,052.09	-4,595.02	2,891.70	2,546.89	344.81	8.386			
13,400.00	6,955.89	13,480.77	7,262.00	192.00	171.24	-96.30	-3,052.09	-4,595.02	2,917.23	2,572.92	344.31	8.473			
13,500.00	6,956.15	13,480.77	7,262.00	194.82	171.24	-96.30	-3,052.09	-4,595.02	2,945.94	2,602.46	343.48	8.577			
13,600.00	6,956.42	13,480.77	7,262.00	197.63	171.24	-96.30	-3,052.09	-4,595.02	2,977.74	2,635.40	342.33	8.698			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 31C-14-S - Plan #1 - 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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,700.00	6,956.68	13,480.77	7,262.00	200.44	171.24	-96.30	-3,052.09	-4,595.02	3,012.51	2,671.62	340.90	8.837		
13,800.00	6,956.95	13,480.77	7,262.00	203.26	171.24	-96.30	-3,052.09	-4,595.02	3,050.18	2,710.98	339.20	8.992		
13,900.00	6,957.22	13,480.77	7,262.00	206.08	171.24	-96.30	-3,052.09	-4,595.02	3,090.62	2,753.36	337.26	9.164		
14,000.00	6,957.48	13,480.77	7,262.00	208.89	171.24	-96.30	-3,052.09	-4,595.02	3,133.73	2,798.62	335.11	9.351		
14,100.00	6,957.75	13,480.77	7,262.00	211.71	171.24	-96.30	-3,052.09	-4,595.02	3,179.40	2,846.62	332.78	9.554		
14,200.00	6,958.02	13,480.77	7,262.00	214.53	171.24	-96.30	-3,052.09	-4,595.02	3,227.52	2,897.25	330.28	9.772		
14,300.00	6,958.28	13,480.77	7,262.00	217.36	171.24	-96.30	-3,052.09	-4,595.02	3,277.99	2,950.35	327.64	10.005		
14,400.00	6,958.55	13,480.77	7,262.00	220.18	171.24	-96.30	-3,052.09	-4,595.02	3,330.70	3,005.82	324.89	10.252		
14,500.00	6,958.81	13,480.77	7,262.00	223.00	171.24	-96.30	-3,052.09	-4,595.02	3,385.54	3,063.51	322.04	10.513		
14,600.00	6,959.08	13,480.77	7,262.00	225.83	171.24	-96.30	-3,052.09	-4,595.02	3,442.42	3,123.31	319.11	10.787		
14,700.00	6,959.35	13,480.77	7,262.00	228.65	171.24	-96.30	-3,052.09	-4,595.02	3,501.23	3,185.10	316.13	11.075		
14,800.00	6,959.61	13,480.77	7,262.00	231.48	171.24	-96.30	-3,052.09	-4,595.02	3,561.87	3,248.77	313.10	11.376		
14,900.00	6,959.88	13,480.77	7,262.00	234.30	171.24	-96.30	-3,052.09	-4,595.02	3,624.26	3,314.22	310.04	11.690		
15,000.00	6,960.14	13,480.77	7,262.00	237.13	171.24	-96.30	-3,052.09	-4,595.02	3,688.30	3,381.33	306.97	12.015		
15,100.00	6,960.41	13,480.77	7,262.00	239.96	171.24	-96.30	-3,052.09	-4,595.02	3,753.92	3,450.02	303.90	12.353		
15,200.00	6,960.68	13,480.77	7,262.00	242.79	171.24	-96.30	-3,052.09	-4,595.02	3,821.03	3,520.20	300.83	12.702		
15,300.00	6,960.94	13,480.77	7,262.00	245.62	171.24	-96.30	-3,052.09	-4,595.02	3,889.55	3,591.77	297.77	13.062		
15,400.00	6,961.21	13,480.77	7,262.00	248.45	171.24	-96.30	-3,052.09	-4,595.02	3,959.41	3,664.67	294.74	13.433		
15,500.00	6,961.47	13,480.77	7,262.00	251.28	171.24	-96.30	-3,052.09	-4,595.02	4,030.54	3,738.80	291.74	13.815		
15,600.00	6,961.74	13,480.77	7,262.00	254.11	171.24	-96.30	-3,052.09	-4,595.02	4,102.87	3,814.10	288.78	14.208		
15,700.00	6,962.01	13,480.77	7,262.00	256.94	171.24	-96.30	-3,052.09	-4,595.02	4,176.35	3,890.50	285.86	14.610		
15,800.00	6,962.27	13,480.77	7,262.00	259.77	171.24	-96.30	-3,052.09	-4,595.02	4,250.91	3,967.93	282.98	15.022		
15,900.00	6,962.54	13,480.77	7,262.00	262.61	171.24	-96.30	-3,052.09	-4,595.02	4,326.50	4,046.35	280.15	15.444		
16,000.00	6,962.80	13,480.77	7,262.00	265.44	171.24	-96.30	-3,052.09	-4,595.02	4,403.06	4,125.69	277.37	15.874		
16,100.00	6,963.07	13,480.77	7,262.00	268.28	171.24	-96.30	-3,052.09	-4,595.02	4,480.54	4,205.90	274.64	16.314		
16,200.00	6,963.34	13,480.77	7,262.00	271.11	171.24	-96.30	-3,052.09	-4,595.02	4,558.90	4,286.93	271.97	16.762		
16,300.00	6,963.60	13,480.77	7,262.00	273.95	171.24	-96.30	-3,052.09	-4,595.02	4,638.09	4,368.74	269.36	17.219		
16,400.00	6,963.87	13,480.77	7,262.00	276.78	171.24	-96.30	-3,052.09	-4,595.02	4,718.08	4,451.28	266.80	17.684		
16,500.00	6,964.13	13,480.77	7,262.00	279.62	171.24	-96.30	-3,052.09	-4,595.02	4,798.81	4,534.51	264.30	18.157		
16,600.00	6,964.40	13,480.77	7,262.00	282.46	171.24	-96.30	-3,052.09	-4,595.02	4,880.26	4,618.40	261.86	18.637		
16,700.00	6,964.67	13,480.77	7,262.00	285.29	171.24	-96.30	-3,052.09	-4,595.02	4,962.38	4,702.91	259.47	19.125		
16,800.00	6,964.93	13,480.77	7,262.00	288.13	171.24	-96.30	-3,052.09	-4,595.02	5,045.15	4,788.01	257.14	19.620		
16,900.00	6,965.20	13,480.77	7,262.00	290.97	171.24	-96.30	-3,052.09	-4,595.02	5,128.54	4,873.67	254.87	20.122		
17,000.00	6,965.46	13,480.77	7,262.00	293.81	171.24	-96.30	-3,052.09	-4,595.02	5,212.51	4,959.85	252.66	20.631		
17,100.00	6,965.73	13,480.77	7,262.00	296.65	171.24	-96.30	-3,052.09	-4,595.02	5,297.04	5,046.54	250.50	21.146		
17,200.00	6,966.00	13,480.77	7,262.00	299.49	171.24	-96.30	-3,052.09	-4,595.02	5,382.09	5,133.70	248.40	21.667		
17,300.00	6,966.26	13,480.77	7,262.00	302.32	171.24	-96.30	-3,052.09	-4,595.02	5,467.66	5,221.31	246.34	22.195		
17,400.00	6,966.53	13,480.77	7,262.00	305.16	171.24	-96.30	-3,052.09	-4,595.02	5,553.70	5,309.35	244.35	22.729		
17,500.00	6,966.80	13,480.77	7,262.00	308.00	171.24	-96.30	-3,052.09	-4,595.02	5,640.21	5,397.80	242.40	23.268		
17,600.00	6,967.06	13,480.77	7,262.00	310.85	171.24	-96.30	-3,052.09	-4,595.02	5,727.15	5,486.64	240.51	23.813		
17,700.00	6,967.33	13,480.77	7,262.00	313.69	171.24	-96.30	-3,052.09	-4,595.02	5,814.52	5,575.85	238.66	24.363		
17,800.00	6,967.59	13,480.77	7,262.00	316.53	171.24	-96.30	-3,052.09	-4,595.02	5,902.28	5,665.42	236.86	24.918		
17,900.00	6,967.86	13,480.77	7,262.00	319.37	171.24	-96.30	-3,052.09	-4,595.02	5,990.43	5,755.32	235.11	25.479		
18,000.00	6,968.13	13,480.77	7,262.00	322.21	171.24	-96.30	-3,052.09	-4,595.02	6,078.95	5,845.54	233.41	26.044		
18,100.00	6,968.39	13,480.77	7,262.00	325.05	171.24	-96.30	-3,052.09	-4,595.02	6,167.81	5,936.06	231.75	26.614		
18,200.00	6,968.66	13,480.77	7,262.00	327.90	171.24	-96.30	-3,052.09	-4,595.02	6,257.02	6,026.88	230.14	27.188		
18,300.00	6,968.92	13,480.77	7,262.00	330.74	171.24	-96.30	-3,052.09	-4,595.02	6,346.54	6,117.98	228.57	27.767		
18,400.00	6,969.19	13,480.77	7,262.00	333.58	171.24	-96.30	-3,052.09	-4,595.02	6,436.37	6,209.34	227.04	28.350		
18,500.00	6,969.46	13,480.77	7,262.00	336.43	171.24	-96.30	-3,052.09	-4,595.02	6,526.50	6,300.96	225.55	28.937		
18,600.00	6,969.72	13,480.77	7,262.00	339.27	171.24	-96.30	-3,052.09	-4,595.02	6,616.92	6,392.82	224.09	29.527		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 31C-14-S - Plan #1 - Plan #1		Offset Site Error:		0.00 ft
Survey Program: 0-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning				
18,704.56	6,970.00	13,480.77	7,262.00	342.24	171.24	-96.30	-3,052.09	-4,595.02	6,711.74	6,489.12	222.62	30.149					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.52	-165.03	-1.39	165.04					
100.00	100.00	100.00	100.00	3.28	3.28	-179.52	-165.03	-1.39	165.04	158.47	6.57	25.123		
200.00	200.00	200.00	200.00	3.34	3.34	-179.52	-165.03	-1.39	165.04	158.37	6.67	24.729		
300.00	299.98	299.98	299.98	3.44	3.44	81.09	-165.03	-1.39	164.76	157.87	6.89	23.924		
321.80	321.76	320.71	320.71	3.47	3.47	81.35	-165.10	-1.36	164.70	157.76	6.94	23.717 CC, ES		
400.00	399.84	395.06	395.04	3.60	3.59	82.52	-166.45	-0.69	165.48	158.29	7.19	23.015		
500.00	499.45	490.02	489.88	3.80	3.77	84.47	-170.67	1.42	168.80	161.22	7.59	22.254		
600.00	598.70	584.75	584.28	4.05	3.98	86.79	-177.69	4.92	174.90	166.84	8.06	21.692		
700.00	697.47	679.11	678.00	4.33	4.23	89.35	-187.45	9.79	183.94	175.33	8.61	21.360		
803.50	799.05	776.26	774.07	4.67	4.52	92.07	-200.38	16.24	196.51	187.27	9.24	21.260		
900.00	893.41	866.41	862.72	5.02	4.82	94.43	-214.98	23.52	211.14	201.26	9.88	21.365		
1,000.00	991.20	959.40	953.60	5.41	5.15	96.03	-232.65	32.33	228.91	218.33	10.58	21.634		
1,100.00	1,088.99	1,051.77	1,043.17	5.81	5.52	96.90	-252.80	42.39	249.09	237.77	11.32	22.008		
1,200.00	1,186.78	1,143.34	1,131.21	6.23	5.91	97.18	-275.31	53.62	271.52	259.44	12.08	22.477		
1,300.00	1,284.57	1,233.92	1,217.47	6.67	6.32	97.02	-300.06	65.96	296.13	283.27	12.86	23.026		
1,400.00	1,382.36	1,323.36	1,301.73	7.12	6.76	96.51	-326.87	79.33	322.91	309.25	13.66	23.646		
1,500.00	1,480.15	1,411.51	1,383.83	7.57	7.22	95.75	-355.58	93.65	351.86	337.40	14.46	24.336		
1,600.00	1,577.94	1,498.23	1,463.60	8.03	7.70	94.83	-386.02	108.84	382.99	367.73	15.26	25.092		
1,700.00	1,675.73	1,583.40	1,540.90	8.50	8.21	93.80	-418.01	124.79	416.33	400.26	16.07	25.911		
1,800.00	1,773.52	1,673.33	1,621.61	8.98	8.76	92.67	-453.50	142.50	451.46	434.52	16.94	26.656		
1,900.00	1,871.31	1,766.52	1,705.18	9.45	9.36	91.66	-490.41	160.91	486.87	469.01	17.86	27.261		
2,000.00	1,969.10	1,859.72	1,788.75	9.94	9.98	90.78	-527.32	179.32	522.39	503.60	18.80	27.792		
2,100.00	2,066.88	1,952.92	1,872.32	10.42	10.60	90.01	-564.24	197.73	558.01	538.27	19.75	28.260		
2,200.00	2,164.67	2,046.11	1,955.89	10.91	11.24	89.34	-601.15	216.14	593.71	573.01	20.70	28.675		
2,300.00	2,262.46	2,139.31	2,039.46	11.40	11.88	88.74	-638.06	234.55	629.47	607.80	21.67	29.044		
2,400.00	2,360.25	2,232.50	2,123.03	11.89	12.53	88.21	-674.97	252.97	665.28	642.64	22.65	29.374		
2,500.00	2,458.04	2,325.70	2,206.60	12.39	13.19	87.73	-711.88	271.38	701.14	677.51	23.63	29.670		
2,600.00	2,555.83	2,418.89	2,290.17	12.88	13.85	87.29	-748.79	289.79	737.04	712.42	24.62	29.937		
2,700.00	2,653.62	2,512.09	2,373.74	13.38	14.51	86.90	-785.71	308.20	772.97	747.36	25.61	30.178		
2,800.00	2,751.41	2,605.29	2,457.31	13.88	15.18	86.54	-822.62	326.61	808.94	782.32	26.61	30.397		
2,900.00	2,849.20	2,701.52	2,540.88	14.38	15.88	86.21	-859.53	345.02	844.92	817.29	27.63	30.576		
3,000.00	2,946.99	2,808.32	2,624.45	14.88	16.65	85.91	-896.44	363.43	880.93	852.21	28.72	30.670		
3,100.00	3,044.78	2,884.87	2,708.03	15.38	17.21	85.63	-933.35	381.85	916.96	887.33	29.63	30.945		
3,200.00	3,142.57	2,978.07	2,791.60	15.89	17.89	85.38	-970.26	400.26	953.00	922.36	30.65	31.098		
3,300.00	3,240.36	3,071.27	2,875.17	16.39	18.57	85.14	-1,007.18	418.67	989.06	957.40	31.66	31.239		
3,400.00	3,338.15	3,164.46	2,958.74	16.89	19.25	84.92	-1,044.09	437.08	1,025.14	992.46	32.68	31.369		
3,500.00	3,435.93	3,257.66	3,042.31	17.40	19.94	84.71	-1,081.00	455.49	1,061.22	1,027.52	33.70	31.490		
3,600.00	3,533.72	3,350.85	3,125.88	17.90	20.63	84.52	-1,117.91	473.90	1,097.32	1,062.60	34.72	31.602		
3,700.00	3,631.51	3,444.05	3,209.45	18.41	21.31	84.34	-1,154.82	492.31	1,133.43	1,097.68	35.75	31.706		
3,800.00	3,729.30	3,537.25	3,293.02	18.92	22.00	84.17	-1,191.73	510.73	1,169.55	1,132.77	36.77	31.803		
3,900.00	3,827.09	3,630.44	3,376.59	19.42	22.69	84.01	-1,228.65	529.14	1,205.67	1,167.87	37.80	31.894		
4,000.00	3,924.88	3,723.64	3,460.16	19.93	23.38	83.86	-1,265.56	547.55	1,241.81	1,202.97	38.83	31.979		
4,100.00	4,022.67	3,816.83	3,543.73	20.44	24.08	83.72	-1,302.47	565.96	1,277.95	1,238.08	39.86	32.058		
4,200.00	4,120.46	3,910.03	3,627.30	20.95	24.77	83.59	-1,339.38	584.37	1,314.09	1,273.20	40.90	32.133		
4,300.00	4,218.25	4,003.22	3,710.87	21.46	25.46	83.46	-1,376.29	602.78	1,350.25	1,308.32	41.93	32.203		
4,400.00	4,316.04	4,103.58	3,794.44	21.97	26.21	83.34	-1,413.20	621.20	1,386.40	1,343.40	43.01	32.236		
4,500.00	4,413.83	4,189.62	3,878.01	22.48	26.85	83.23	-1,450.11	639.61	1,422.57	1,378.57	44.00	32.331		
4,600.00	4,511.62	4,282.81	3,961.58	22.99	27.55	83.12	-1,487.03	658.02	1,458.73	1,413.70	45.04	32.390		
4,700.00	4,609.41	4,376.01	4,045.15	23.50	28.24	83.01	-1,523.94	676.43	1,494.91	1,448.83	46.07	32.446		
4,800.00	4,707.20	4,469.20	4,128.72	24.01	28.94	82.92	-1,560.85	694.84	1,531.08	1,483.97	47.11	32.499		
4,900.00	4,804.98	4,562.40	4,212.29	24.52	29.64	82.82	-1,597.76	713.25	1,567.26	1,519.11	48.15	32.548		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1														Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
5,000.00	4,902.77	4,655.60	4,295.86	25.03	30.34	82.73	-1,634.67	731.66	1,603.44	1,554.25	49.19	32.596			
5,100.00	5,000.56	4,748.79	4,379.43	25.54	31.03	82.65	-1,671.58	750.08	1,639.63	1,589.40	50.23	32.641			
5,200.00	5,098.35	4,841.99	4,463.00	26.05	31.73	82.57	-1,708.50	768.49	1,675.82	1,624.55	51.27	32.684			
5,300.00	5,196.14	4,935.18	4,546.58	26.56	32.43	82.49	-1,745.41	786.90	1,712.01	1,659.70	52.32	32.724			
5,400.00	5,293.93	5,028.38	4,630.15	27.07	33.13	82.41	-1,782.32	805.31	1,748.21	1,694.85	53.36	32.763			
5,500.00	5,391.72	5,121.58	4,713.72	27.58	33.83	82.34	-1,819.23	823.72	1,784.40	1,730.00	54.40	32.800			
5,600.00	5,489.51	5,214.77	4,797.29	28.09	34.53	82.27	-1,856.14	842.13	1,820.60	1,765.16	55.45	32.836			
5,700.00	5,587.30	5,307.97	4,880.86	28.61	35.23	82.21	-1,893.05	860.54	1,856.81	1,800.32	56.49	32.869			
5,800.00	5,685.09	5,401.16	4,964.43	29.12	35.93	82.14	-1,929.97	878.96	1,893.01	1,835.47	57.54	32.902			
5,900.00	5,782.88	5,505.64	5,048.00	29.63	36.72	82.08	-1,966.88	897.37	1,929.22	1,870.57	58.65	32.893			
6,000.00	5,880.67	5,587.55	5,131.57	30.14	37.33	82.02	-2,003.79	915.78	1,965.42	1,905.80	59.63	32.962			
6,100.00	5,978.46	5,680.75	5,215.14	30.65	38.03	81.96	-2,040.70	934.19	2,001.63	1,940.96	60.67	32.990			
6,200.00	6,076.25	5,773.95	5,298.71	31.17	38.73	81.91	-2,077.61	952.60	2,037.85	1,976.12	61.72	33.017			
6,298.86	6,172.92	5,866.08	5,381.33	31.67	39.43	81.86	-2,114.10	970.80	2,073.65	2,010.89	62.76	33.043			
6,300.00	6,174.03	5,867.14	5,382.28	31.68	39.44	81.81	-2,114.52	971.01	2,074.06	2,011.29	62.77	33.043			
6,350.00	6,223.30	5,913.68	5,424.01	31.92	39.79	77.31	-2,132.96	980.21	2,092.07	2,028.80	63.27	33.066			
6,400.00	6,273.06	5,959.91	5,465.46	32.13	40.13	57.42	-2,151.27	989.34	2,109.84	2,046.12	63.73	33.108			
6,450.00	6,323.01	6,005.54	5,506.38	32.32	40.48	-31.62	-2,169.34	998.35	2,127.30	2,063.16	64.14	33.168			
6,500.00	6,372.84	6,050.29	5,546.51	32.48	40.81	-62.64	-2,187.06	1,007.20	2,144.39	2,079.88	64.51	33.240			
6,550.00	6,422.24	6,106.11	5,585.61	32.65	41.23	-69.29	-2,204.33	1,015.81	2,161.08	2,096.14	64.95	33.275			
6,600.00	6,470.92	6,136.07	5,623.43	32.83	41.46	-71.59	-2,221.04	1,024.14	2,177.36	2,112.15	65.21	33.388			
6,650.00	6,518.56	6,176.57	5,659.75	33.01	41.77	-72.49	-2,237.08	1,032.14	2,193.23	2,127.69	65.54	33.463			
6,700.00	6,564.89	6,215.14	5,694.33	33.21	42.06	-72.81	-2,252.35	1,039.76	2,208.69	2,142.83	65.86	33.537			
6,750.00	6,609.60	6,251.53	5,726.97	33.43	42.33	-72.82	-2,266.77	1,046.95	2,223.77	2,157.60	66.17	33.608			
6,800.00	6,652.43	6,285.53	5,757.46	33.66	42.59	-72.66	-2,280.23	1,053.67	2,238.49	2,172.02	66.47	33.677			
6,850.00	6,693.10	6,316.93	5,785.61	33.91	42.82	-72.39	-2,292.67	1,059.87	2,252.89	2,186.12	66.77	33.743			
6,900.00	6,731.38	6,345.54	5,811.26	34.20	43.04	-72.03	-2,304.00	1,065.52	2,266.99	2,199.93	67.06	33.803			
6,950.00	6,767.02	6,371.16	5,834.24	34.51	43.23	-71.60	-2,314.15	1,070.59	2,280.83	2,213.46	67.37	33.857			
7,000.00	6,799.81	6,406.34	5,854.42	34.85	43.50	-71.09	-2,323.06	1,075.03	2,294.41	2,226.66	67.75	33.866			
7,050.00	6,829.54	6,412.89	5,871.66	35.24	43.55	-70.51	-2,330.68	1,078.83	2,307.77	2,239.78	67.99	33.942			
7,100.00	6,856.03	6,428.73	5,885.86	35.66	43.67	-69.85	-2,336.95	1,081.96	2,320.90	2,252.58	68.32	33.971			
7,150.00	6,879.11	6,441.08	5,896.94	36.12	43.76	-69.11	-2,341.84	1,084.40	2,333.80	2,265.14	68.66	33.989			
7,200.00	6,898.65	6,449.87	5,904.82	36.62	43.82	-68.29	-2,345.32	1,086.14	2,346.45	2,277.43	69.02	33.997			
7,250.00	6,914.51	6,455.05	5,909.46	37.15	43.86	-67.40	-2,347.37	1,087.16	2,358.81	2,289.42	69.39	33.994			
7,300.00	6,926.62	6,456.57	5,910.83	37.73	43.88	-66.44	-2,347.98	1,087.46	2,370.84	2,301.07	69.77	33.982			
7,350.00	6,934.88	6,454.44	5,908.92	38.34	43.86	-65.42	-2,347.13	1,087.04	2,382.48	2,312.32	70.15	33.961			
7,400.00	6,939.26	6,448.66	5,903.74	38.97	43.82	-64.34	-2,344.84	1,085.90	2,393.64	2,323.10	70.54	33.934			
7,429.12	6,940.00	6,443.63	5,899.23	39.34	43.78	-63.70	-2,342.85	1,084.90	2,399.89	2,329.13	70.76	33.915			
7,500.00	6,940.19	6,429.90	5,886.92	40.31	43.67	-63.37	-2,337.41	1,082.19	2,415.82	2,344.48	71.34	33.865			
7,600.00	6,940.46	6,410.53	5,869.55	41.80	43.53	-62.91	-2,329.74	1,078.36	2,441.48	2,369.24	72.24	33.796			
7,700.00	6,940.72	6,408.84	5,852.18	43.43	43.52	-62.44	-2,322.07	1,074.54	2,470.78	2,397.45	73.33	33.694			
7,800.00	6,940.99	6,371.80	5,834.81	45.19	43.24	-61.98	-2,314.40	1,070.71	2,503.58	2,429.30	74.27	33.707			
7,900.00	6,941.25	6,352.43	5,817.44	47.05	43.09	-61.52	-2,306.73	1,066.89	2,539.75	2,464.39	75.36	33.702			
8,000.00	6,941.52	6,333.06	5,800.08	49.02	42.94	-61.06	-2,299.06	1,063.06	2,579.14	2,502.68	76.46	33.732			
8,100.00	6,941.79	8,766.26	7,073.51	51.06	58.03	-92.89	-2,853.93	-104.98	2,612.87	2,507.65	105.21	24.834			
8,200.00	6,942.05	8,866.26	7,074.04	53.18	59.64	-92.90	-2,853.64	-204.98	2,612.21	2,502.88	109.33	23.893			
8,300.00	6,942.32	8,966.25	7,074.56	55.37	61.38	-92.90	-2,853.35	-304.97	2,611.56	2,497.97	113.59	22.991			
8,400.00	6,942.58	9,066.25	7,075.08	57.62	63.24	-92.91	-2,853.06	-404.97	2,610.90	2,492.94	117.97	22.132			
8,500.00	6,942.85	9,166.25	7,075.60	59.92	65.20	-92.91	-2,852.76	-504.96	2,610.25	2,487.79	122.46	21.316			
8,600.00	6,943.12	9,266.25	7,076.13	62.26	67.24	-92.92	-2,852.47	-604.96	2,609.60	2,482.55	127.04	20.541			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 31N-14B-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	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)			
8,700.00	6,943.38	9,366.24	7,076.65	64.65	69.37	-92.93	-2,852.18	-704.95	2,608.94	2,477.22	131.72	19.807		
8,800.00	6,943.65	9,466.24	7,077.17	67.08	71.55	-92.93	-2,851.88	-804.95	2,608.29	2,471.82	136.47	19.112		
8,900.00	6,943.91	9,566.24	7,077.70	69.53	73.80	-92.94	-2,851.59	-904.95	2,607.63	2,466.34	141.30	18.455		
9,000.00	6,944.18	9,666.23	7,078.22	72.02	76.10	-92.95	-2,851.30	-1,004.94	2,606.98	2,460.79	146.19	17.833		
9,100.00	6,944.45	9,766.23	7,078.74	74.54	78.44	-92.95	-2,851.01	-1,104.94	2,606.33	2,455.19	151.13	17.245		
9,200.00	6,944.71	9,866.23	7,079.27	77.07	80.82	-92.96	-2,850.71	-1,204.93	2,605.67	2,449.54	156.13	16.689		
9,300.00	6,944.98	9,966.23	7,079.79	79.63	83.24	-92.97	-2,850.42	-1,304.93	2,605.02	2,443.84	161.18	16.163		
9,400.00	6,945.24	10,066.22	7,080.31	82.21	85.69	-92.97	-2,850.13	-1,404.92	2,604.36	2,438.10	166.26	15.664		
9,500.00	6,945.51	10,166.22	7,080.84	84.81	88.17	-92.98	-2,849.84	-1,504.92	2,603.71	2,432.32	171.39	15.192		
9,600.00	6,945.78	10,266.22	7,081.36	87.43	90.67	-92.98	-2,849.54	-1,604.91	2,603.06	2,426.50	176.55	14.744		
9,700.00	6,946.04	10,366.22	7,081.88	90.05	93.20	-92.99	-2,849.25	-1,704.91	2,602.40	2,420.65	181.75	14.318		
9,800.00	6,946.31	10,466.21	7,082.40	92.70	95.75	-93.00	-2,848.96	-1,804.91	2,601.75	2,414.77	186.98	13.915		
9,900.00	6,946.57	10,566.21	7,082.93	95.35	98.31	-93.00	-2,848.66	-1,904.90	2,601.10	2,408.86	192.23	13.531		
10,000.00	6,946.84	10,666.21	7,083.45	98.02	100.90	-93.01	-2,848.37	-2,004.90	2,600.44	2,402.93	197.51	13.166		
10,100.00	6,947.11	10,766.21	7,083.97	100.70	103.50	-93.02	-2,848.08	-2,104.89	2,599.79	2,396.98	202.81	12.819		
10,200.00	6,947.37	10,866.20	7,084.50	103.38	106.11	-93.02	-2,847.79	-2,204.89	2,599.13	2,391.00	208.14	12.488		
10,300.00	6,947.64	10,966.20	7,085.02	106.08	108.74	-93.03	-2,847.49	-2,304.88	2,598.48	2,385.00	213.48	12.172		
10,400.00	6,947.90	11,066.20	7,085.54	108.78	111.38	-93.04	-2,847.20	-2,404.88	2,597.83	2,378.98	218.84	11.871		
10,500.00	6,948.17	11,166.20	7,086.07	111.49	114.03	-93.04	-2,846.91	-2,504.88	2,597.17	2,372.95	224.22	11.583		
10,600.00	6,948.44	11,266.19	7,086.59	114.21	116.69	-93.05	-2,846.62	-2,604.87	2,596.52	2,366.90	229.62	11.308		
10,700.00	6,948.70	11,366.19	7,087.11	116.94	119.36	-93.06	-2,846.32	-2,704.87	2,595.87	2,360.84	235.03	11.045		
10,800.00	6,948.97	11,466.19	7,087.63	119.67	122.04	-93.06	-2,846.03	-2,804.86	2,595.21	2,354.76	240.45	10.793		
10,900.00	6,949.24	11,566.19	7,088.16	122.41	124.73	-93.07	-2,845.74	-2,904.86	2,594.56	2,348.67	245.89	10.552		
11,000.00	6,949.50	11,666.18	7,088.68	125.15	127.43	-93.07	-2,845.44	-3,004.85	2,593.91	2,342.57	251.34	10.320		
11,100.00	6,949.77	11,766.18	7,089.20	127.90	130.14	-93.08	-2,845.15	-3,104.85	2,593.25	2,336.45	256.80	10.098		
11,200.00	6,950.03	11,866.18	7,089.73	130.65	132.85	-93.09	-2,844.86	-3,204.85	2,592.60	2,330.33	262.27	9.885		
11,300.00	6,950.30	11,966.18	7,090.25	133.41	135.56	-93.09	-2,844.57	-3,304.84	2,591.95	2,324.19	267.75	9.680		
11,400.00	6,950.57	12,066.17	7,090.77	136.17	138.29	-93.10	-2,844.27	-3,404.84	2,591.29	2,318.05	273.24	9.483		
11,500.00	6,950.83	12,166.17	7,091.30	138.94	141.02	-93.11	-2,843.98	-3,504.83	2,590.64	2,311.90	278.74	9.294		
11,600.00	6,951.10	12,266.17	7,091.82	141.71	143.75	-93.11	-2,843.69	-3,604.83	2,589.99	2,305.74	284.25	9.112		
11,700.00	6,951.36	12,366.17	7,092.34	144.48	146.49	-93.12	-2,843.40	-3,704.82	2,589.33	2,299.57	289.77	8.936		
11,800.00	6,951.63	12,466.16	7,092.87	147.26	149.24	-93.13	-2,843.10	-3,804.82	2,588.68	2,293.39	295.29	8.767		
11,900.00	6,951.90	12,566.16	7,093.39	150.03	151.99	-93.13	-2,842.81	-3,904.81	2,588.03	2,287.21	300.82	8.603		
12,000.00	6,952.16	12,666.16	7,093.91	152.82	154.74	-93.14	-2,842.52	-4,004.81	2,587.38	2,281.02	306.35	8.446		
12,100.00	6,952.43	12,766.16	7,094.43	155.60	157.50	-93.15	-2,842.22	-4,104.81	2,586.72	2,274.83	311.90	8.294		
12,200.00	6,952.69	12,866.15	7,094.96	158.39	160.26	-93.15	-2,841.93	-4,204.80	2,586.07	2,268.63	317.44	8.147		
12,300.00	6,952.96	12,966.15	7,095.48	161.18	163.02	-93.16	-2,841.64	-4,304.80	2,585.42	2,262.42	323.00	8.004		
12,400.00	6,953.23	13,066.15	7,096.00	163.97	165.79	-93.17	-2,841.35	-4,404.79	2,584.76	2,256.21	328.56	7.867		
12,500.00	6,953.49	13,166.15	7,096.53	166.77	168.56	-93.17	-2,841.05	-4,504.79	2,584.11	2,249.99	334.12	7.734		
12,600.00	6,953.76	13,256.62	7,097.00	169.56	171.07	-93.18	-2,840.79	-4,595.26	2,583.48	2,244.08	339.40	7.612		
12,607.34	6,953.78	13,256.62	7,097.00	169.77	171.07	-93.18	-2,840.79	-4,595.26	2,583.47	2,243.89	339.57	7.608		
12,700.00	6,954.02	13,256.62	7,097.00	172.36	171.07	-93.18	-2,840.79	-4,595.26	2,585.13	2,243.52	341.61	7.567		
12,800.00	6,954.29	13,256.62	7,097.00	175.16	171.07	-93.18	-2,840.79	-4,595.26	2,590.64	2,247.30	343.34	7.545		
12,900.00	6,954.56	13,256.62	7,097.00	177.97	171.07	-93.18	-2,840.79	-4,595.26	2,599.99	2,255.40	344.59	7.545 SF		
13,000.00	6,954.82	13,256.62	7,097.00	180.77	171.07	-93.18	-2,840.79	-4,595.26	2,613.14	2,267.79	345.35	7.567		
13,100.00	6,955.09	13,256.62	7,097.00	183.58	171.07	-93.18	-2,840.79	-4,595.26	2,630.02	2,284.38	345.64	7.609		
13,200.00	6,955.35	13,256.62	7,097.00	186.38	171.07	-93.18	-2,840.79	-4,595.26	2,650.57	2,305.09	345.49	7.672		
13,300.00	6,955.62	13,256.62	7,097.00	189.19	171.07	-93.18	-2,840.79	-4,595.26	2,674.71	2,329.81	344.90	7.755		
13,400.00	6,955.89	13,256.62	7,097.00	192.00	171.07	-93.18	-2,840.79	-4,595.26	2,702.33	2,358.43	343.90	7.858		
13,500.00	6,956.15	13,256.62	7,097.00	194.82	171.07	-93.18	-2,840.79	-4,595.26	2,733.34	2,390.81	342.53	7.980		
13,600.00	6,956.42	13,256.62	7,097.00	197.63	171.07	-93.18	-2,840.79	-4,595.26	2,767.61	2,426.80	340.81	8.121		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 31N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,700.00	6,956.68	13,256.62	7,097.00	200.44	171.07	-93.18	-2,840.79	-4,595.26	2,805.03	2,466.25	338.79	8.280		
13,800.00	6,956.95	13,256.62	7,097.00	203.26	171.07	-93.18	-2,840.79	-4,595.26	2,845.48	2,509.00	336.48	8.457		
13,900.00	6,957.22	13,256.62	7,097.00	206.08	171.07	-93.18	-2,840.79	-4,595.26	2,888.82	2,554.89	333.93	8.651		
14,000.00	6,957.48	13,256.62	7,097.00	208.89	171.07	-93.18	-2,840.79	-4,595.26	2,934.93	2,603.76	331.17	8.862		
14,100.00	6,957.75	13,256.62	7,097.00	211.71	171.07	-93.18	-2,840.79	-4,595.26	2,983.68	2,655.45	328.22	9.090		
14,200.00	6,958.02	13,256.62	7,097.00	214.53	171.07	-93.18	-2,840.79	-4,595.26	3,034.94	2,709.81	325.13	9.335		
14,300.00	6,958.28	13,256.62	7,097.00	217.36	171.07	-93.18	-2,840.79	-4,595.26	3,088.59	2,766.68	321.91	9.595		
14,400.00	6,958.55	13,256.62	7,097.00	220.18	171.07	-93.18	-2,840.79	-4,595.26	3,144.51	2,825.91	318.60	9.870		
14,500.00	6,958.81	13,256.62	7,097.00	223.00	171.07	-93.18	-2,840.79	-4,595.26	3,202.57	2,887.36	315.21	10.160		
14,600.00	6,959.08	13,256.62	7,097.00	225.83	171.07	-93.18	-2,840.79	-4,595.26	3,262.67	2,950.89	311.77	10.465		
14,700.00	6,959.35	13,256.62	7,097.00	228.65	171.07	-93.18	-2,840.79	-4,595.26	3,324.68	3,016.38	308.30	10.784		
14,800.00	6,959.61	13,256.62	7,097.00	231.48	171.07	-93.18	-2,840.79	-4,595.26	3,388.52	3,083.70	304.82	11.117		
14,900.00	6,959.88	13,256.62	7,097.00	234.30	171.07	-93.18	-2,840.79	-4,595.26	3,454.07	3,152.74	301.33	11.463		
15,000.00	6,960.14	13,256.62	7,097.00	237.13	171.07	-93.18	-2,840.79	-4,595.26	3,521.24	3,223.38	297.85	11.822		
15,100.00	6,960.41	13,256.62	7,097.00	239.96	171.07	-93.18	-2,840.79	-4,595.26	3,589.94	3,295.53	294.40	12.194		
15,200.00	6,960.68	13,256.62	7,097.00	242.79	171.07	-93.18	-2,840.79	-4,595.26	3,660.08	3,369.09	290.99	12.578		
15,300.00	6,960.94	13,256.62	7,097.00	245.62	171.07	-93.18	-2,840.79	-4,595.26	3,731.58	3,443.97	287.61	12.974		
15,400.00	6,961.21	13,256.62	7,097.00	248.45	171.07	-93.18	-2,840.79	-4,595.26	3,804.37	3,520.09	284.29	13.382		
15,500.00	6,961.47	13,256.62	7,097.00	251.28	171.07	-93.18	-2,840.79	-4,595.26	3,878.37	3,597.36	281.02	13.801		
15,600.00	6,961.74	13,256.62	7,097.00	254.11	171.07	-93.18	-2,840.79	-4,595.26	3,953.52	3,675.72	277.80	14.231		
15,700.00	6,962.01	13,256.62	7,097.00	256.94	171.07	-93.18	-2,840.79	-4,595.26	4,029.75	3,755.09	274.65	14.672		
15,800.00	6,962.27	13,256.62	7,097.00	259.77	171.07	-93.18	-2,840.79	-4,595.26	4,106.99	3,835.42	271.57	15.123		
15,900.00	6,962.54	13,256.62	7,097.00	262.61	171.07	-93.18	-2,840.79	-4,595.26	4,185.20	3,916.65	268.55	15.584		
16,000.00	6,962.80	13,256.62	7,097.00	265.44	171.07	-93.18	-2,840.79	-4,595.26	4,264.32	3,998.71	265.61	16.055		
16,100.00	6,963.07	13,256.62	7,097.00	268.28	171.07	-93.18	-2,840.79	-4,595.26	4,344.30	4,081.57	262.73	16.535		
16,200.00	6,963.34	13,256.62	7,097.00	271.11	171.07	-93.18	-2,840.79	-4,595.26	4,425.10	4,165.17	259.93	17.024		
16,300.00	6,963.60	13,256.62	7,097.00	273.95	171.07	-93.18	-2,840.79	-4,595.26	4,506.67	4,249.47	257.19	17.522		
16,400.00	6,963.87	13,256.62	7,097.00	276.78	171.07	-93.18	-2,840.79	-4,595.26	4,588.96	4,334.43	254.53	18.029		
16,500.00	6,964.13	13,256.62	7,097.00	279.62	171.07	-93.18	-2,840.79	-4,595.26	4,671.95	4,420.01	251.94	18.544		
16,600.00	6,964.40	13,256.62	7,097.00	282.46	171.07	-93.18	-2,840.79	-4,595.26	4,755.59	4,506.18	249.41	19.067		
16,700.00	6,964.67	13,256.62	7,097.00	285.29	171.07	-93.18	-2,840.79	-4,595.26	4,839.85	4,592.89	246.96	19.598		
16,800.00	6,964.93	13,256.62	7,097.00	288.13	171.07	-93.18	-2,840.79	-4,595.26	4,924.70	4,680.13	244.57	20.136		
16,900.00	6,965.20	13,256.62	7,097.00	290.97	171.07	-93.18	-2,840.79	-4,595.26	5,010.11	4,767.86	242.25	20.682		
17,000.00	6,965.46	13,256.62	7,097.00	293.81	171.07	-93.18	-2,840.79	-4,595.26	5,096.05	4,856.06	239.99	21.234		
17,100.00	6,965.73	13,256.62	7,097.00	296.65	171.07	-93.18	-2,840.79	-4,595.26	5,182.50	4,944.70	237.80	21.794		
17,200.00	6,966.00	13,256.62	7,097.00	299.49	171.07	-93.18	-2,840.79	-4,595.26	5,269.42	5,033.76	235.67	22.359		
17,300.00	6,966.26	13,256.62	7,097.00	302.32	171.07	-93.18	-2,840.79	-4,595.26	5,356.81	5,123.21	233.60	22.932		
17,400.00	6,966.53	13,256.62	7,097.00	305.16	171.07	-93.18	-2,840.79	-4,595.26	5,444.62	5,213.03	231.59	23.510		
17,500.00	6,966.80	13,256.62	7,097.00	308.00	171.07	-93.18	-2,840.79	-4,595.26	5,532.85	5,303.22	229.63	24.094		
17,600.00	6,967.06	13,256.62	7,097.00	310.85	171.07	-93.18	-2,840.79	-4,595.26	5,621.47	5,393.74	227.73	24.684		
17,700.00	6,967.33	13,256.62	7,097.00	313.69	171.07	-93.18	-2,840.79	-4,595.26	5,710.47	5,484.58	225.89	25.280		
17,800.00	6,967.59	13,256.62	7,097.00	316.53	171.07	-93.18	-2,840.79	-4,595.26	5,799.83	5,575.73	224.10	25.881		
17,900.00	6,967.86	13,256.62	7,097.00	319.37	171.07	-93.18	-2,840.79	-4,595.26	5,889.53	5,667.17	222.36	26.487		
18,000.00	6,968.13	13,256.62	7,097.00	322.21	171.07	-93.18	-2,840.79	-4,595.26	5,979.56	5,758.89	220.67	27.098		
18,100.00	6,968.39	13,256.62	7,097.00	325.05	171.07	-93.18	-2,840.79	-4,595.26	6,069.89	5,850.87	219.02	27.713		
18,200.00	6,968.66	13,256.62	7,097.00	327.90	171.07	-93.18	-2,840.79	-4,595.26	6,160.53	5,943.10	217.43	28.334		
18,300.00	6,968.92	13,256.62	7,097.00	330.74	171.07	-93.18	-2,840.79	-4,595.26	6,251.45	6,035.58	215.88	28.958		
18,400.00	6,969.19	13,256.62	7,097.00	333.58	171.07	-93.18	-2,840.79	-4,595.26	6,342.65	6,128.28	214.37	29.587		
18,500.00	6,969.46	13,256.62	7,097.00	336.43	171.07	-93.18	-2,840.79	-4,595.26	6,434.11	6,221.20	212.91	30.221		
18,600.00	6,969.72	13,256.62	7,097.00	339.27	171.07	-93.18	-2,840.79	-4,595.26	6,525.82	6,314.33	211.48	30.858		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 31N-14B-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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,704.56	6,970.00	13,256.62	7,097.00	342.24	171.07	-93.18	-2,840.79	-4,595.26	6,621.96	6,411.93	210.04	31.528		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.42	75.04	0.56	75.04					
100.00	100.00	100.00	100.00	3.28	3.28	0.42	75.04	0.56	75.04	68.47	6.57	11.423		
200.00	200.00	200.00	200.00	3.34	3.34	0.42	75.04	0.56	75.04	68.37	6.67	11.244 CC, ES		
300.00	299.98	298.90	298.88	3.44	3.44	-99.67	75.75	2.11	76.06	69.17	6.89	11.045		
400.00	399.84	397.74	397.58	3.60	3.60	-99.94	77.86	6.77	79.11	71.91	7.20	10.988		
500.00	499.45	496.46	495.93	3.80	3.80	-100.34	81.38	14.51	84.18	76.58	7.61	11.066		
600.00	598.70	594.99	593.74	4.05	4.05	-100.82	86.29	25.31	91.29	83.19	8.10	11.271		
700.00	697.47	693.29	690.85	4.33	4.32	-101.31	92.57	39.12	100.41	91.74	8.67	11.585		
803.50	799.05	794.71	790.45	4.67	4.65	-101.81	100.49	56.55	111.97	102.64	9.33	12.001		
900.00	893.41	909.98	883.53	5.02	5.05	-102.06	108.95	75.17	124.05	113.97	10.08	12.307		
1,000.00	991.20	989.22	980.39	5.41	5.35	-102.21	117.82	94.69	136.62	125.87	10.76	12.703		
1,100.00	1,088.99	1,088.43	1,077.26	5.81	5.75	-102.34	126.69	114.20	149.20	137.65	11.55	12.923		
1,200.00	1,186.78	1,187.63	1,174.12	6.23	6.16	-102.45	135.56	133.72	161.78	149.41	12.37	13.081		
1,300.00	1,284.57	1,286.84	1,270.98	6.67	6.59	-102.54	144.43	153.24	174.36	161.14	13.22	13.193		
1,400.00	1,382.36	1,386.04	1,367.84	7.12	7.02	-102.62	153.30	172.76	186.94	172.85	14.09	13.271		
1,500.00	1,480.15	1,485.25	1,464.70	7.57	7.47	-102.70	162.17	192.27	199.51	184.54	14.97	13.324		
1,600.00	1,577.94	1,584.45	1,561.56	8.03	7.92	-102.76	171.04	211.79	212.09	196.22	15.88	13.359		
1,700.00	1,675.73	1,683.66	1,658.42	8.50	8.38	-102.81	179.91	231.31	224.67	207.88	16.79	13.380		
1,800.00	1,773.52	1,782.86	1,755.29	8.98	8.84	-102.86	188.78	250.82	237.25	219.54	17.72	13.391		
1,900.00	1,871.31	1,882.07	1,852.15	9.45	9.31	-102.91	197.65	270.34	249.83	231.18	18.65	13.394		
2,000.00	1,969.10	1,981.28	1,949.01	9.94	9.78	-102.95	206.52	289.86	262.41	242.82	19.59	13.392		
2,100.00	2,066.88	2,080.48	2,045.87	10.42	10.25	-102.98	215.39	309.38	274.99	254.45	20.54	13.386		
2,200.00	2,164.67	2,179.69	2,142.73	10.91	10.73	-103.02	224.26	328.89	287.57	266.08	21.50	13.377		
2,300.00	2,262.46	2,278.89	2,239.59	11.40	11.21	-103.05	233.13	348.41	300.15	277.70	22.46	13.365		
2,400.00	2,360.25	2,378.10	2,336.45	11.89	11.70	-103.07	242.00	367.93	312.74	289.31	23.42	13.352		
2,500.00	2,458.04	2,477.30	2,433.31	12.39	12.18	-103.10	250.86	387.44	325.32	300.93	24.39	13.338		
2,600.00	2,555.83	2,576.51	2,530.18	12.88	12.67	-103.12	259.73	406.96	337.90	312.54	25.36	13.324		
2,700.00	2,653.62	2,675.71	2,627.04	13.38	13.15	-103.15	268.60	426.48	350.48	324.14	26.33	13.308		
2,800.00	2,751.41	2,774.92	2,723.90	13.88	13.64	-103.17	277.47	446.00	363.06	335.75	27.31	13.293		
2,900.00	2,849.20	2,874.12	2,820.76	14.38	14.13	-103.19	286.34	465.51	375.64	347.35	28.29	13.277		
3,000.00	2,946.99	2,973.33	2,917.62	14.88	14.62	-103.20	295.21	485.03	388.22	358.95	29.27	13.262		
3,100.00	3,044.78	3,072.53	3,014.48	15.38	15.12	-103.22	304.08	504.55	400.80	370.54	30.26	13.247		
3,200.00	3,142.57	3,171.74	3,111.34	15.89	15.61	-103.24	312.95	524.06	413.38	382.14	31.24	13.232		
3,300.00	3,240.36	3,270.95	3,208.21	16.39	16.10	-103.25	321.82	543.58	425.96	393.73	32.23	13.217		
3,400.00	3,338.15	3,370.15	3,305.07	16.89	16.60	-103.27	330.69	563.10	438.54	405.33	33.22	13.202		
3,500.00	3,435.93	3,469.36	3,401.93	17.40	17.09	-103.28	339.56	582.62	451.12	416.92	34.21	13.188		
3,600.00	3,533.72	3,568.56	3,498.79	17.90	17.59	-103.29	348.43	602.13	463.71	428.51	35.20	13.174		
3,700.00	3,631.51	3,667.77	3,595.65	18.41	18.09	-103.30	357.30	621.65	476.29	440.10	36.19	13.161		
3,800.00	3,729.30	3,766.97	3,692.51	18.92	18.58	-103.31	366.17	641.17	488.87	451.68	37.18	13.147		
3,900.00	3,827.09	3,866.18	3,789.37	19.42	19.08	-103.32	375.04	660.69	501.45	463.27	38.18	13.135		
4,000.00	3,924.88	3,965.38	3,886.23	19.93	19.58	-103.33	383.91	680.20	514.03	474.86	39.17	13.122		
4,100.00	4,022.67	4,064.59	3,983.10	20.44	20.08	-103.34	392.78	699.72	526.61	486.44	40.17	13.110		
4,200.00	4,120.46	4,163.79	4,079.96	20.95	20.57	-103.35	401.65	719.24	539.19	498.03	41.17	13.098		
4,300.00	4,218.25	4,263.00	4,176.82	21.46	21.07	-103.36	410.52	738.75	551.77	509.61	42.16	13.087		
4,400.00	4,316.04	4,362.20	4,273.68	21.97	21.57	-103.37	419.39	758.27	564.35	521.19	43.16	13.076		
4,500.00	4,413.83	4,461.41	4,370.54	22.48	22.07	-103.38	428.26	777.79	576.93	532.78	44.16	13.065		
4,600.00	4,511.62	4,560.62	4,467.40	22.99	22.57	-103.39	437.13	797.31	589.52	544.36	45.16	13.054		
4,700.00	4,609.41	4,659.82	4,564.26	23.50	23.07	-103.39	446.00	816.82	602.10	555.94	46.16	13.044		
4,800.00	4,707.20	4,759.03	4,661.12	24.01	23.57	-103.40	454.87	836.34	614.68	567.52	47.16	13.034		
4,900.00	4,804.98	4,858.23	4,757.99	24.52	24.07	-103.41	463.74	855.86	627.26	579.10	48.16	13.025		
5,000.00	4,902.77	4,957.44	4,854.85	25.03	24.58	-103.41	472.61	875.37	639.84	590.68	49.16	13.015		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,056.64	4,951.71	25.54	25.08	-103.42	481.48	894.89	652.42	602.26	50.16	13.006		
5,200.00	5,098.35	5,155.85	5,048.57	26.05	25.58	-103.43	490.35	914.41	665.00	613.84	51.16	12.997		
5,300.00	5,196.14	5,255.05	5,145.43	26.56	26.08	-103.43	499.22	933.93	677.58	625.42	52.17	12.989		
5,400.00	5,293.93	5,354.26	5,242.29	27.07	26.58	-103.44	508.09	953.44	690.17	637.00	53.17	12.980		
5,500.00	5,391.72	5,453.46	5,339.15	27.58	27.08	-103.44	516.96	972.96	702.75	648.57	54.17	12.972		
5,600.00	5,489.51	5,552.67	5,436.02	28.09	27.58	-103.45	525.83	992.48	715.33	660.15	55.18	12.964		
5,700.00	5,587.30	5,651.87	5,532.88	28.61	28.09	-103.45	534.70	1,011.99	727.91	671.73	56.18	12.957		
5,800.00	5,685.09	5,751.08	5,629.74	29.12	28.59	-103.46	543.57	1,031.51	740.49	683.31	57.18	12.949		
5,900.00	5,782.88	5,850.29	5,726.60	29.63	29.09	-103.46	552.44	1,051.03	753.07	694.88	58.19	12.942		
6,000.00	5,880.67	5,949.49	5,823.46	30.14	29.59	-103.47	561.31	1,070.55	765.65	706.46	59.19	12.935		
6,100.00	5,978.46	6,048.70	5,920.32	30.65	30.10	-103.47	570.18	1,090.06	778.23	718.04	60.20	12.928		
6,200.00	6,076.25	6,147.90	6,017.18	31.17	30.60	-103.48	579.05	1,109.58	790.82	729.61	61.20	12.921		
6,298.86	6,172.92	6,245.98	6,112.94	31.67	31.10	-103.48	587.82	1,128.88	803.25	741.06	62.20	12.915		
6,300.00	6,174.03	6,247.11	6,114.04	31.68	31.10	-103.58	587.92	1,129.10	803.40	741.19	62.21	12.915		
6,350.00	6,223.30	6,303.33	6,162.44	31.92	31.39	-110.14	592.35	1,138.85	809.57	746.84	62.73	12.905		
6,400.00	6,273.06	6,345.95	6,210.55	32.13	31.60	-131.67	596.76	1,148.54	815.54	752.38	63.16	12.912		
6,450.00	6,323.01	6,405.36	6,258.09	32.32	31.90	138.06	601.11	1,158.12	821.34	757.69	63.65	12.903		
6,500.00	6,372.84	6,442.44	6,304.77	32.48	32.09	106.20	605.38	1,167.53	827.07	763.06	64.02	12.919		
6,550.00	6,422.24	6,489.06	6,350.28	32.65	32.33	99.03	609.55	1,176.70	832.88	768.45	64.43	12.926		
6,600.00	6,470.92	6,534.21	6,394.37	32.83	32.56	96.47	613.59	1,185.58	838.95	774.11	64.85	12.938		
6,650.00	6,518.56	6,577.61	6,436.74	33.01	32.78	95.51	617.47	1,194.12	845.50	780.24	65.26	12.957		
6,700.00	6,564.89	6,619.00	6,477.15	33.21	32.99	95.27	621.17	1,202.26	852.76	787.10	65.66	12.987		
6,750.00	6,609.60	6,662.45	6,519.74	33.43	33.20	95.50	625.07	1,209.92	860.90	794.80	66.10	13.025		
6,800.00	6,652.43	6,708.94	6,565.75	33.66	33.41	96.00	629.29	1,214.93	869.84	803.28	66.56	13.068		
6,850.00	6,693.10	6,758.07	6,614.63	33.91	33.61	96.65	633.77	1,216.55	879.54	812.51	67.03	13.121		
6,900.00	6,731.38	6,810.37	6,666.65	34.20	33.80	97.44	638.54	1,214.11	889.90	822.39	67.51	13.182		
6,950.00	6,767.02	6,866.51	6,722.05	34.51	34.00	98.33	643.62	1,206.73	900.82	832.83	67.99	13.249		
7,000.00	6,799.81	6,927.27	6,781.03	34.85	34.23	99.33	649.04	1,193.25	912.15	843.69	68.46	13.325		
7,050.00	6,829.54	6,993.64	6,843.66	35.24	34.48	100.44	654.79	1,172.17	923.71	854.82	68.89	13.409		
7,100.00	6,856.03	7,066.73	6,909.69	35.66	34.79	101.66	660.87	1,141.51	935.24	865.97	69.27	13.501		
7,150.00	6,879.11	7,147.82	6,978.31	36.12	35.16	102.96	667.19	1,098.86	946.45	876.84	69.61	13.597		
7,200.00	6,898.65	7,238.17	7,047.70	36.62	35.65	104.32	673.58	1,041.49	956.94	887.01	69.94	13.683		
7,250.00	6,914.51	7,338.73	7,114.56	37.15	36.29	105.64	679.76	966.77	966.26	895.91	70.36	13.734		
7,300.00	6,926.62	7,449.71	7,173.74	37.73	37.16	106.81	685.24	873.21	973.89	902.84	71.05	13.706		
7,350.00	6,934.88	7,569.95	7,218.56	38.34	38.32	107.68	689.42	761.91	979.30	907.04	72.26	13.552		
7,400.00	6,939.26	7,696.48	7,242.37	38.97	39.75	108.08	691.68	637.87	982.07	907.95	74.12	13.250		
7,429.12	6,940.00	7,429.12	7,244.59	39.34	36.52	108.07	691.91	590.39	982.37	910.99	71.38	13.762		
7,500.00	6,940.19	7,831.20	7,245.13	40.31	41.47	108.08	692.02	503.23	982.68	905.52	77.16	12.736		
7,600.00	6,940.46	7,931.20	7,245.31	41.80	42.91	108.07	692.10	403.23	983.08	903.08	80.00	12.289		
7,700.00	6,940.72	8,031.20	7,245.49	43.43	44.49	108.05	692.17	303.23	983.48	900.38	83.10	11.835		
7,800.00	6,940.99	8,131.20	7,245.67	45.19	46.19	108.04	692.25	203.23	983.89	897.45	86.44	11.382		
7,900.00	6,941.25	8,231.20	7,245.84	47.05	48.01	108.03	692.33	103.23	984.29	894.30	89.99	10.938		
8,000.00	6,941.52	8,331.20	7,246.02	49.02	49.92	108.01	692.41	3.23	984.69	890.97	93.72	10.507		
8,100.00	6,941.79	8,431.19	7,246.20	51.06	51.92	108.00	692.48	-96.76	985.10	887.48	97.62	10.091		
8,200.00	6,942.05	8,531.19	7,246.37	53.18	54.00	107.99	692.56	-196.76	985.50	883.84	101.66	9.694		
8,300.00	6,942.32	8,631.19	7,246.55	55.37	56.15	107.97	692.64	-296.76	985.90	880.07	105.83	9.316		
8,400.00	6,942.58	8,731.19	7,246.73	57.62	58.36	107.96	692.72	-396.76	986.31	876.19	110.12	8.957		
8,500.00	6,942.85	8,831.19	7,246.91	59.92	60.62	107.95	692.79	-496.76	986.71	872.20	114.51	8.617		
8,600.00	6,943.12	8,931.19	7,247.08	62.26	62.93	107.94	692.87	-596.76	987.11	868.12	118.99	8.296		
8,700.00	6,943.38	9,031.19	7,247.26	64.65	65.29	107.92	692.95	-696.76	987.52	863.97	123.55	7.993		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	9,131.19	7,247.44	67.08	67.69	107.91	693.03	-796.76	987.92	859.74	128.18	7.707		
8,900.00	6,943.91	9,231.19	7,247.62	69.53	70.12	107.90	693.10	-896.75	988.32	855.45	132.88	7.438		
9,000.00	6,944.18	9,331.19	7,247.79	72.02	72.58	107.88	693.18	-996.75	988.73	851.09	137.63	7.184		
9,100.00	6,944.45	9,431.18	7,247.97	74.54	75.07	107.87	693.26	-1,096.75	989.13	846.69	142.44	6.944		
9,200.00	6,944.71	9,531.18	7,248.15	77.07	77.58	107.86	693.33	-1,196.75	989.53	842.24	147.30	6.718		
9,300.00	6,944.98	9,631.18	7,248.32	79.63	80.12	107.84	693.41	-1,296.75	989.94	837.74	152.20	6.504		
9,400.00	6,945.24	9,731.18	7,248.50	82.21	82.68	107.83	693.49	-1,396.75	990.34	833.21	157.13	6.303		
9,500.00	6,945.51	9,831.18	7,248.68	84.81	85.26	107.82	693.57	-1,496.75	990.75	828.64	162.11	6.112		
9,600.00	6,945.78	9,931.18	7,248.86	87.43	87.86	107.81	693.64	-1,596.75	991.15	824.04	167.11	5.931		
9,700.00	6,946.04	10,031.18	7,249.03	90.05	90.47	107.79	693.72	-1,696.74	991.55	819.41	172.15	5.760		
9,800.00	6,946.31	10,131.18	7,249.21	92.70	93.10	107.78	693.80	-1,796.74	991.96	814.75	177.21	5.598		
9,900.00	6,946.57	10,231.18	7,249.39	95.35	95.74	107.77	693.88	-1,896.74	992.36	810.07	182.30	5.444		
10,000.00	6,946.84	10,331.17	7,249.56	98.02	98.39	107.75	693.95	-1,996.74	992.77	805.36	187.41	5.297		
10,100.00	6,947.11	10,431.17	7,249.74	100.70	101.05	107.74	694.03	-2,096.74	993.17	800.63	192.54	5.158		
10,200.00	6,947.37	10,531.17	7,249.92	103.38	103.73	107.73	694.11	-2,196.74	993.57	795.89	197.69	5.026		
10,300.00	6,947.64	10,631.17	7,250.10	106.08	106.41	107.72	694.19	-2,296.74	993.98	791.12	202.86	4.900		
10,400.00	6,947.90	10,731.17	7,250.27	108.78	109.11	107.70	694.26	-2,396.74	994.38	786.34	208.04	4.780		
10,500.00	6,948.17	10,831.17	7,250.45	111.49	111.81	107.69	694.34	-2,496.73	994.79	781.54	213.25	4.665		
10,600.00	6,948.44	10,931.17	7,250.63	114.21	114.52	107.68	694.42	-2,596.73	995.19	776.73	218.46	4.555		
10,700.00	6,948.70	11,031.17	7,250.80	116.94	117.23	107.67	694.50	-2,696.73	995.60	771.90	223.69	4.451		
10,800.00	6,948.97	11,131.17	7,250.98	119.67	119.96	107.65	694.57	-2,796.73	996.00	767.07	228.93	4.351		
10,900.00	6,949.24	11,231.16	7,251.16	122.41	122.69	107.64	694.65	-2,896.73	996.41	762.22	234.19	4.255		
11,000.00	6,949.50	11,331.16	7,251.34	125.15	125.42	107.63	694.73	-2,996.73	996.81	757.35	239.46	4.163		
11,100.00	6,949.77	11,431.16	7,251.51	127.90	128.16	107.61	694.81	-3,096.73	997.21	752.48	244.73	4.075		
11,200.00	6,950.03	11,531.16	7,251.69	130.65	130.91	107.60	694.88	-3,196.73	997.62	747.60	250.02	3.990		
11,300.00	6,950.30	11,631.16	7,251.87	133.41	133.66	107.59	694.96	-3,296.72	998.02	742.71	255.31	3.909		
11,400.00	6,950.57	11,731.16	7,252.04	136.17	136.41	107.58	695.04	-3,396.72	998.43	737.81	260.62	3.831		
11,500.00	6,950.83	11,831.16	7,252.22	138.94	139.17	107.56	695.12	-3,496.72	998.83	732.90	265.93	3.756		
11,600.00	6,951.10	11,931.16	7,252.40	141.71	141.94	107.55	695.19	-3,596.72	999.24	727.99	271.25	3.684		
11,700.00	6,951.36	12,031.16	7,252.58	144.48	144.70	107.54	695.27	-3,696.72	999.64	723.06	276.58	3.614		
11,800.00	6,951.63	12,131.16	7,252.75	147.26	147.47	107.53	695.35	-3,796.72	1,000.05	718.13	281.92	3.547		
11,900.00	6,951.90	12,231.15	7,252.93	150.03	150.25	107.51	695.43	-3,896.72	1,000.45	713.20	287.26	3.483		
12,000.00	6,952.16	12,331.15	7,253.11	152.82	153.03	107.50	695.50	-3,996.72	1,000.86	708.25	292.61	3.421		
12,100.00	6,952.43	12,431.15	7,253.28	155.60	155.81	107.49	695.58	-4,096.71	1,001.26	703.30	297.96	3.360		
12,200.00	6,952.69	12,531.15	7,253.46	158.39	158.59	107.47	695.66	-4,196.71	1,001.67	698.35	303.32	3.302		
12,300.00	6,952.96	12,631.15	7,253.64	161.18	161.37	107.46	695.74	-4,296.71	1,002.07	693.39	308.69	3.246		
12,400.00	6,953.23	12,731.15	7,253.82	163.97	164.16	107.45	695.81	-4,396.71	1,002.48	688.42	314.06	3.192		
12,500.00	6,953.49	12,831.15	7,253.99	166.77	166.95	107.44	695.89	-4,496.71	1,002.88	683.45	319.43	3.140		
12,600.00	6,953.76	12,931.15	7,254.17	169.56	169.75	107.42	695.97	-4,596.71	1,003.29	678.48	324.81	3.089		
12,700.00	6,954.02	13,031.15	7,254.35	172.36	172.54	107.41	696.05	-4,696.71	1,003.70	673.50	330.20	3.040		
12,800.00	6,954.29	13,131.14	7,254.52	175.16	175.34	107.40	696.12	-4,796.71	1,004.10	668.51	335.59	2.992		
12,900.00	6,954.56	13,231.14	7,254.70	177.97	178.14	107.39	696.20	-4,896.70	1,004.51	663.52	340.98	2.946		
13,000.00	6,954.82	13,331.14	7,254.88	180.77	180.94	107.37	696.28	-4,996.70	1,004.91	658.53	346.38	2.901		
13,100.00	6,955.09	13,431.14	7,255.06	183.58	183.74	107.36	696.36	-5,096.70	1,005.32	653.54	351.78	2.858		
13,200.00	6,955.35	13,531.14	7,255.23	186.38	186.55	107.35	696.43	-5,196.70	1,005.72	648.54	357.19	2.816		
13,300.00	6,955.62	13,631.14	7,255.41	189.19	189.36	107.34	696.51	-5,296.70	1,006.13	643.53	362.60	2.775		
13,400.00	6,955.89	13,731.14	7,255.59	192.00	192.16	107.32	696.59	-5,396.70	1,006.53	638.52	368.01	2.735		
13,500.00	6,956.15	13,831.14	7,255.76	194.82	194.97	107.31	696.67	-5,496.70	1,006.94	633.51	373.43	2.696		
13,600.00	6,956.42	13,931.14	7,255.94	197.63	197.78	107.30	696.74	-5,596.70	1,007.35	628.50	378.85	2.659		
13,700.00	6,956.68	14,031.14	7,256.12	200.44	200.60	107.29	696.82	-5,696.69	1,007.75	623.48	384.27	2.623		
13,800.00	6,956.95	14,131.13	7,256.30	203.26	203.41	107.27	696.90	-5,796.69	1,008.16	618.46	389.69	2.587		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	14,231.13	7,256.47	206.08	206.23	107.26	696.98	-5,896.69	1,008.56	613.44	395.12	2.553		
14,000.00	6,957.48	14,331.13	7,256.65	208.89	209.04	107.25	697.05	-5,996.69	1,008.97	608.42	400.55	2.519		
14,100.00	6,957.75	14,431.13	7,256.83	211.71	211.86	107.24	697.13	-6,096.69	1,009.38	603.39	405.99	2.486		
14,200.00	6,958.02	14,531.13	7,257.00	214.53	214.68	107.22	697.21	-6,196.69	1,009.78	598.36	411.42	2.454		
14,300.00	6,958.28	14,631.13	7,257.18	217.36	217.50	107.21	697.29	-6,296.69	1,010.19	593.33	416.86	2.423		
14,400.00	6,958.55	14,731.13	7,257.36	220.18	220.32	107.20	697.36	-6,396.69	1,010.59	588.29	422.30	2.393		
14,500.00	6,958.81	14,831.13	7,257.54	223.00	223.14	107.19	697.44	-6,496.68	1,011.00	583.25	427.75	2.364		
14,600.00	6,959.08	14,931.13	7,257.71	225.83	225.96	107.17	697.52	-6,596.68	1,011.41	578.21	433.20	2.335		
14,700.00	6,959.35	15,031.12	7,257.89	228.65	228.79	107.16	697.60	-6,696.68	1,011.81	573.17	438.64	2.307		
14,800.00	6,959.61	15,131.12	7,258.07	231.48	231.61	107.15	697.67	-6,796.68	1,012.22	568.12	444.10	2.279		
14,900.00	6,959.88	15,231.12	7,258.24	234.30	234.44	107.14	697.75	-6,896.68	1,012.63	563.08	449.55	2.253		
15,000.00	6,960.14	15,331.12	7,258.42	237.13	237.26	107.12	697.83	-6,996.68	1,013.03	558.03	455.00	2.226		
15,100.00	6,960.41	15,431.12	7,258.60	239.96	240.09	107.11	697.91	-7,096.68	1,013.44	552.98	460.46	2.201		
15,200.00	6,960.68	15,531.12	7,258.78	242.79	242.92	107.10	697.98	-7,196.68	1,013.85	547.93	465.92	2.176		
15,300.00	6,960.94	15,631.12	7,258.95	245.62	245.75	107.09	698.06	-7,296.67	1,014.25	542.87	471.38	2.152		
15,400.00	6,961.21	15,731.12	7,259.13	248.45	248.58	107.08	698.14	-7,396.67	1,014.66	537.81	476.85	2.128		
15,500.00	6,961.47	15,831.12	7,259.31	251.28	251.41	107.06	698.22	-7,496.67	1,015.07	532.76	482.31	2.105		
15,600.00	6,961.74	15,931.12	7,259.48	254.11	254.24	107.05	698.29	-7,596.67	1,015.47	527.70	487.78	2.082		
15,700.00	6,962.01	16,031.11	7,259.66	256.94	257.07	107.04	698.37	-7,696.67	1,015.88	522.63	493.25	2.060		
15,800.00	6,962.27	16,131.11	7,259.84	259.77	259.90	107.03	698.45	-7,796.67	1,016.29	517.57	498.72	2.038		
15,900.00	6,962.54	16,231.11	7,260.02	262.61	262.73	107.01	698.53	-7,896.67	1,016.69	512.51	504.19	2.016		
16,000.00	6,962.80	16,331.11	7,260.19	265.44	265.57	107.00	698.60	-7,996.67	1,017.10	507.44	509.66	1.996		
16,100.00	6,963.07	16,431.11	7,260.37	268.28	268.40	106.99	698.68	-8,096.66	1,017.51	502.37	515.14	1.975		
16,200.00	6,963.34	16,531.11	7,260.55	271.11	271.23	106.98	698.76	-8,196.66	1,017.91	497.30	520.61	1.955		
16,300.00	6,963.60	16,631.11	7,260.72	273.95	274.07	106.97	698.84	-8,296.66	1,018.32	492.23	526.09	1.936		
16,400.00	6,963.87	16,731.11	7,260.90	276.78	276.90	106.95	698.91	-8,396.66	1,018.73	487.16	531.57	1.916		
16,500.00	6,964.13	16,831.11	7,261.08	279.62	279.74	106.94	698.99	-8,496.66	1,019.14	482.08	537.05	1.898		
16,600.00	6,964.40	16,931.10	7,261.26	282.46	282.58	106.93	699.07	-8,596.66	1,019.54	477.01	542.54	1.879		
16,700.00	6,964.67	17,031.10	7,261.43	285.29	285.41	106.92	699.15	-8,696.66	1,019.95	471.93	548.02	1.861		
16,800.00	6,964.93	17,131.10	7,261.61	288.13	288.25	106.90	699.22	-8,796.66	1,020.36	466.85	553.51	1.843		
16,900.00	6,965.20	17,231.10	7,261.79	290.97	291.09	106.89	699.30	-8,896.65	1,020.77	461.77	559.00	1.826		
17,000.00	6,965.46	17,331.10	7,261.96	293.81	293.93	106.88	699.38	-8,996.65	1,021.17	456.69	564.48	1.809		
17,100.00	6,965.73	17,431.10	7,262.14	296.65	296.77	106.87	699.46	-9,096.65	1,021.58	451.61	569.97	1.792		
17,200.00	6,966.00	17,531.10	7,262.32	299.49	299.60	106.86	699.53	-9,196.65	1,021.99	446.52	575.47	1.776		
17,300.00	6,966.26	17,631.10	7,262.50	302.32	302.44	106.84	699.61	-9,296.65	1,022.40	441.44	580.96	1.760		
17,400.00	6,966.53	17,731.10	7,262.67	305.16	305.28	106.83	699.69	-9,396.65	1,022.80	436.35	586.45	1.744		
17,500.00	6,966.80	17,831.09	7,262.85	308.00	308.12	106.82	699.76	-9,496.65	1,023.21	431.26	591.95	1.729		
17,600.00	6,967.06	17,931.09	7,263.03	310.85	310.96	106.81	699.84	-9,596.65	1,023.62	426.17	597.44	1.713		
17,700.00	6,967.33	18,031.09	7,263.20	313.69	313.81	106.80	699.92	-9,696.64	1,024.03	421.09	602.94	1.698		
17,800.00	6,967.59	18,131.09	7,263.38	316.53	316.65	106.78	700.00	-9,796.64	1,024.43	415.99	608.44	1.684		
17,900.00	6,967.86	18,231.09	7,263.56	319.37	319.49	106.77	700.07	-9,896.64	1,024.84	410.90	613.94	1.669		
18,000.00	6,968.13	18,331.09	7,263.74	322.21	322.33	106.76	700.15	-9,996.64	1,025.25	405.81	619.44	1.655		
18,100.00	6,968.39	18,431.09	7,263.91	325.05	325.17	106.75	700.23	-10,096.64	1,025.66	400.71	624.94	1.641		
18,200.00	6,968.66	18,531.09	7,264.09	327.90	328.02	106.73	700.31	-10,196.64	1,026.07	395.62	630.45	1.628		
18,300.00	6,968.92	18,631.09	7,264.27	330.74	330.86	106.72	700.38	-10,296.64	1,026.47	390.52	635.95	1.614		
18,400.00	6,969.19	18,731.09	7,264.44	333.58	333.70	106.71	700.46	-10,396.64	1,026.88	385.42	641.46	1.601		
18,500.00	6,969.46	18,831.08	7,264.62	336.43	336.55	106.70	700.54	-10,496.63	1,027.29	380.33	646.96	1.588		
18,600.00	6,969.72	18,931.08	7,264.80	339.27	339.39	106.69	700.62	-10,596.63	1,027.70	375.23	652.47	1.575		
18,704.56	6,970.00	19,035.64	7,264.98	342.24	342.36	106.67	700.70	-10,701.19	1,028.13	369.89	658.23	1.562 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.53	60.11	0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	60.11	0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	60.11	0.56	60.11	53.43	6.67	9.006 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-101.10	60.11	0.56	60.42	53.53	6.89	8.773		
400.00	399.84	399.37	399.35	3.60	3.60	-104.26	60.62	2.20	62.01	54.82	7.20	8.618		
500.00	499.45	498.81	498.65	3.80	3.80	-107.15	62.18	7.13	65.44	57.85	7.60	8.615		
600.00	598.70	598.26	597.72	4.05	4.04	-109.58	64.77	15.35	70.66	62.59	8.08	8.747		
700.00	697.47	697.69	696.41	4.33	4.32	-111.48	68.39	26.84	77.63	68.99	8.64	8.989		
803.50	799.05	800.52	797.98	4.67	4.63	-112.90	73.22	42.15	86.62	77.33	9.29	9.327		
900.00	893.41	896.36	892.07	5.02	4.96	-113.06	78.70	59.54	95.94	85.99	9.95	9.638		
1,000.00	991.20	1,004.21	989.17	5.41	5.36	-111.85	85.13	79.91	105.79	95.06	10.73	9.858		
1,100.00	1,088.99	1,104.73	1,086.31	5.81	5.75	-110.78	91.59	100.41	115.70	104.17	11.53	10.038		
1,200.00	1,186.76	1,194.76	1,183.44	6.23	6.12	-109.88	98.06	120.92	125.64	113.33	12.31	10.205		
1,300.00	1,284.57	1,305.75	1,280.58	6.67	6.60	-109.11	104.52	141.42	135.60	122.39	13.21	10.264		
1,400.00	1,382.36	1,406.26	1,377.71	7.12	7.04	-108.45	110.99	161.93	145.59	131.50	14.09	10.333		
1,500.00	1,480.15	1,506.78	1,474.85	7.57	7.49	-107.87	117.45	182.43	155.60	140.61	14.99	10.382		
1,600.00	1,577.94	1,607.29	1,571.99	8.03	7.94	-107.36	123.92	202.93	165.61	149.71	15.90	10.416		
1,700.00	1,675.73	1,707.80	1,669.12	8.50	8.41	-106.91	130.38	223.44	175.64	158.82	16.83	10.439		
1,800.00	1,773.52	1,808.32	1,766.26	8.98	8.88	-106.51	136.85	243.94	185.68	167.92	17.76	10.453		
1,900.00	1,871.31	1,908.83	1,863.39	9.45	9.35	-106.15	143.31	264.44	195.73	177.02	18.71	10.462		
2,000.00	1,969.10	2,009.34	1,960.53	9.94	9.83	-105.82	149.78	284.95	205.78	186.12	19.66	10.466		
2,100.00	2,066.88	2,090.14	2,057.67	10.42	10.22	-105.53	156.24	305.45	215.84	195.31	20.53	10.514		
2,200.00	2,164.67	2,189.63	2,154.80	10.91	10.70	-105.26	162.70	325.96	225.91	204.42	21.49	10.512		
2,300.00	2,262.46	2,289.12	2,251.94	11.40	11.19	-105.01	169.17	346.46	235.97	213.52	22.46	10.509		
2,400.00	2,360.25	2,388.60	2,349.08	11.89	11.67	-104.79	175.63	366.96	246.05	222.62	23.43	10.503		
2,500.00	2,458.04	2,488.09	2,446.21	12.39	12.16	-104.58	182.10	387.47	256.12	231.72	24.40	10.497		
2,600.00	2,555.83	2,587.58	2,543.35	12.88	12.65	-104.39	188.56	407.97	266.20	240.83	25.38	10.489		
2,700.00	2,653.62	2,687.06	2,640.48	13.38	13.14	-104.21	195.03	428.48	276.29	249.93	26.36	10.481		
2,800.00	2,751.41	2,786.55	2,737.62	13.88	13.63	-104.04	201.49	448.98	286.37	259.03	27.34	10.473		
2,900.00	2,849.20	2,886.04	2,834.76	14.38	14.12	-103.89	207.96	469.48	296.46	268.13	28.33	10.464		
3,000.00	2,946.99	2,985.53	2,931.89	14.88	14.62	-103.74	214.42	489.99	306.55	277.23	29.32	10.455		
3,100.00	3,044.78	3,085.01	3,029.03	15.38	15.11	-103.61	220.89	510.49	316.64	286.33	30.31	10.446		
3,200.00	3,142.57	3,184.50	3,126.16	15.89	15.61	-103.48	227.35	531.00	326.73	295.43	31.30	10.437		
3,300.00	3,240.36	3,283.99	3,223.30	16.39	16.11	-103.36	233.82	551.50	336.83	304.53	32.30	10.429		
3,400.00	3,338.15	3,383.47	3,320.44	16.89	16.61	-103.25	240.28	572.00	346.92	313.63	33.29	10.420		
3,500.00	3,435.93	3,482.96	3,417.57	17.40	17.11	-103.14	246.75	592.51	357.02	322.73	34.29	10.411		
3,600.00	3,533.72	3,582.45	3,514.71	17.90	17.61	-103.04	253.21	613.01	367.12	331.83	35.29	10.403		
3,700.00	3,631.51	3,681.93	3,611.85	18.41	18.11	-102.95	259.68	633.52	377.22	340.93	36.29	10.394		
3,800.00	3,729.30	3,781.42	3,708.98	18.92	18.61	-102.86	266.14	654.02	387.32	350.02	37.29	10.386		
3,900.00	3,827.09	3,880.91	3,806.12	19.42	19.11	-102.78	272.61	674.52	397.42	359.12	38.29	10.378		
4,000.00	3,924.88	3,980.39	3,903.25	19.93	19.61	-102.69	279.07	695.03	407.52	368.22	39.30	10.370		
4,100.00	4,022.67	4,079.88	4,000.39	20.44	20.11	-102.62	285.54	715.53	417.62	377.32	40.30	10.363		
4,200.00	4,120.46	4,179.37	4,097.53	20.95	20.62	-102.54	292.00	736.04	427.72	386.42	41.30	10.355		
4,300.00	4,218.25	4,278.85	4,194.66	21.46	21.12	-102.47	298.47	756.54	437.83	395.52	42.31	10.348		
4,400.00	4,316.04	4,378.34	4,291.80	21.97	21.62	-102.41	304.93	777.04	447.93	404.62	43.32	10.341		
4,500.00	4,413.83	4,477.83	4,388.93	22.48	22.13	-102.34	311.40	797.55	458.04	413.72	44.32	10.334		
4,600.00	4,511.62	4,577.32	4,486.07	22.99	22.63	-102.28	317.86	818.05	468.14	422.81	45.33	10.328		
4,700.00	4,609.41	4,676.80	4,583.21	23.50	23.13	-102.22	324.33	838.56	478.25	431.91	46.34	10.321		
4,800.00	4,707.20	4,776.29	4,680.34	24.01	23.64	-102.17	330.79	859.06	488.35	441.01	47.34	10.315		
4,900.00	4,804.98	4,875.78	4,777.48	24.52	24.14	-102.11	337.26	879.56	498.46	450.11	48.35	10.309		
5,000.00	4,902.77	4,975.26	4,874.61	25.03	24.65	-102.06	343.72	900.07	508.57	459.21	49.36	10.303		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,074.75	4,971.75	25.54	25.15	-102.01	350.19	920.57	518.68	468.31	50.37	10.297		
5,200.00	5,098.35	5,174.24	5,068.89	26.05	25.66	-101.96	356.65	941.08	528.79	477.40	51.38	10.291		
5,300.00	5,196.14	5,273.72	5,166.02	26.56	26.17	-101.92	363.12	961.58	538.89	486.50	52.39	10.286		
5,400.00	5,293.93	5,373.21	5,263.16	27.07	26.67	-101.87	369.58	982.08	549.00	495.60	53.40	10.281		
5,500.00	5,391.72	5,472.70	5,360.30	27.58	27.18	-101.83	376.05	1,002.59	559.11	504.70	54.41	10.275		
5,600.00	5,489.51	5,572.18	5,457.43	28.09	27.68	-101.79	382.51	1,023.09	569.22	513.80	55.42	10.270		
5,700.00	5,587.30	5,671.67	5,554.57	28.61	28.19	-101.75	388.98	1,043.60	579.33	522.89	56.44	10.265		
5,800.00	5,685.09	5,771.16	5,651.70	29.12	28.70	-101.71	395.44	1,064.10	589.44	531.99	57.45	10.260		
5,900.00	5,782.88	5,870.64	5,748.84	29.63	29.20	-101.67	401.91	1,084.60	599.55	541.09	58.46	10.256		
6,000.00	5,880.67	5,970.13	5,845.98	30.14	29.71	-101.64	408.37	1,105.11	609.66	550.19	59.47	10.251		
6,100.00	5,978.46	6,069.62	5,943.11	30.65	30.22	-101.60	414.83	1,125.61	619.77	559.29	60.49	10.247		
6,200.00	6,076.25	6,169.11	6,040.25	31.17	30.72	-101.57	421.30	1,146.11	629.88	568.38	61.50	10.242		
6,298.86	6,172.92	6,267.46	6,136.28	31.67	31.23	-101.54	427.69	1,166.39	639.88	577.38	62.50	10.238		
6,300.00	6,174.03	6,268.59	6,137.38	31.68	31.23	-101.64	427.76	1,166.62	639.99	577.48	62.51	10.238		
6,350.00	6,223.30	6,318.28	6,185.90	31.92	31.48	-108.03	430.99	1,176.86	645.01	582.00	63.01	10.237		
6,400.00	6,273.06	6,367.64	6,234.10	32.13	31.74	-129.35	434.20	1,187.03	649.96	586.49	63.48	10.240		
6,450.00	6,323.01	6,416.38	6,281.69	32.32	31.98	140.65	437.37	1,197.08	654.93	591.02	63.92	10.247		
6,500.00	6,372.84	6,464.32	6,328.58	32.48	32.22	109.04	440.49	1,206.47	660.06	595.72	64.34	10.260		
6,550.00	6,422.24	6,512.87	6,376.61	32.65	32.45	101.95	443.68	1,212.75	665.43	600.68	64.75	10.277		
6,600.00	6,470.92	6,562.49	6,426.04	32.83	32.65	99.32	446.97	1,215.36	671.01	605.86	65.15	10.299		
6,650.00	6,518.56	6,613.26	6,476.66	33.01	32.84	98.17	450.34	1,214.04	676.78	611.22	65.56	10.323		
6,700.00	6,564.89	6,665.25	6,528.23	33.21	33.02	97.69	453.76	1,208.49	682.67	616.70	65.98	10.347		
6,750.00	6,609.60	6,718.56	6,580.46	33.43	33.22	97.55	457.23	1,198.45	688.65	622.24	66.41	10.370		
6,800.00	6,652.43	6,773.26	6,632.98	33.66	33.43	97.62	460.72	1,183.64	694.66	627.80	66.86	10.390		
6,850.00	6,693.10	6,829.41	6,685.37	33.91	33.66	97.81	464.19	1,163.79	700.62	633.30	67.33	10.406		
6,900.00	6,731.38	6,887.07	6,737.14	34.20	33.91	98.06	467.63	1,138.67	706.48	638.67	67.82	10.417		
6,950.00	6,767.02	6,946.28	6,787.71	34.51	34.19	98.36	470.98	1,108.11	712.16	643.83	68.33	10.422		
7,000.00	6,799.81	7,007.05	6,836.44	34.85	34.52	98.67	474.21	1,071.99	717.58	648.69	68.89	10.416		
7,050.00	6,829.54	7,069.36	6,882.61	35.24	34.89	98.98	477.26	1,030.29	722.67	653.17	69.50	10.398		
7,100.00	6,856.03	7,133.18	6,925.45	35.66	35.32	99.28	480.09	983.10	727.34	657.15	70.19	10.363		
7,150.00	6,879.11	7,198.40	6,964.13	36.12	35.82	99.55	482.65	930.69	731.51	660.55	70.96	10.308		
7,200.00	6,898.65	7,264.89	6,997.85	36.62	36.39	99.77	484.87	873.46	735.12	663.25	71.87	10.229		
7,250.00	6,914.51	7,332.48	7,025.84	37.15	37.05	99.95	486.71	812.01	738.10	665.19	72.91	10.123		
7,300.00	6,926.62	7,400.94	7,047.40	37.73	37.78	100.07	488.12	747.08	740.40	666.30	74.10	9.992		
7,350.00	6,934.88	7,470.01	7,061.98	38.34	38.59	100.12	489.07	679.61	741.96	666.52	75.44	9.835		
7,400.00	6,939.26	7,539.41	7,069.20	38.97	39.44	100.11	489.52	610.62	742.78	665.86	76.92	9.657		
7,429.12	6,940.00	7,577.44	7,070.00	39.34	39.93	100.08	489.56	572.61	742.91	665.12	77.79	9.551		
7,500.00	6,940.19	7,648.31	7,070.01	40.31	40.91	100.06	489.54	501.73	743.11	663.39	79.72	9.321		
7,600.00	6,940.46	7,748.31	7,070.01	41.80	42.40	100.04	489.51	401.73	743.41	660.72	82.68	8.991		
7,700.00	6,940.72	7,848.31	7,070.02	43.43	44.02	100.01	489.47	301.73	743.70	657.78	85.91	8.656		
7,800.00	6,940.99	7,948.31	7,070.03	45.19	45.76	99.99	489.44	201.73	743.99	654.61	89.38	8.324		
7,900.00	6,941.25	8,048.31	7,070.04	47.05	47.61	99.96	489.40	101.73	744.28	651.21	93.07	7.997		
8,000.00	6,941.52	8,148.31	7,070.05	49.02	49.56	99.94	489.37	1.73	744.57	647.63	96.94	7.681		
8,100.00	6,941.79	8,248.31	7,070.06	51.06	51.59	99.92	489.34	-98.27	744.86	643.88	100.98	7.376		
8,200.00	6,942.05	8,348.31	7,070.07	53.18	53.70	99.89	489.30	-198.26	745.16	639.99	105.17	7.085		
8,300.00	6,942.32	8,448.31	7,070.08	55.37	55.88	99.87	489.27	-298.26	745.45	635.96	109.49	6.808		
8,400.00	6,942.58	8,548.31	7,070.09	57.62	58.11	99.84	489.24	-398.26	745.74	631.81	113.93	6.546		
8,500.00	6,942.85	8,648.31	7,070.09	59.92	60.40	99.82	489.20	-498.26	746.03	627.57	118.47	6.297		
8,600.00	6,943.12	8,748.30	7,070.10	62.26	62.74	99.80	489.17	-598.26	746.33	623.23	123.10	6.063		
8,700.00	6,943.38	8,848.30	7,070.11	64.65	65.11	99.77	489.14	-698.26	746.62	618.80	127.82	5.841		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	8,948.30	7,070.12	67.08	67.53	99.75	489.10	-798.26	746.91	614.31	132.61	5.633		
8,900.00	6,943.91	9,048.30	7,070.13	69.53	69.98	99.73	489.07	-898.26	747.21	609.74	137.46	5.436		
9,000.00	6,944.18	9,148.30	7,070.14	72.02	72.45	99.70	489.03	-998.26	747.50	605.12	142.38	5.250		
9,100.00	6,944.45	9,248.30	7,070.15	74.54	74.96	99.68	489.00	-1,098.26	747.79	600.45	147.34	5.075		
9,200.00	6,944.71	9,348.30	7,070.16	77.07	77.49	99.65	488.97	-1,198.26	748.09	595.73	152.36	4.910		
9,300.00	6,944.98	9,448.30	7,070.16	79.63	80.04	99.63	488.93	-1,298.25	748.38	590.96	157.42	4.754		
9,400.00	6,945.24	9,548.30	7,070.17	82.21	82.62	99.61	488.90	-1,398.25	748.67	586.15	162.52	4.607		
9,500.00	6,945.51	9,648.30	7,070.18	84.81	85.21	99.58	488.87	-1,498.25	748.97	581.31	167.66	4.467		
9,600.00	6,945.78	9,748.30	7,070.19	87.43	87.81	99.56	488.83	-1,598.25	749.26	576.44	172.83	4.335		
9,700.00	6,946.04	9,848.29	7,070.20	90.05	90.44	99.54	488.80	-1,698.25	749.56	571.53	178.03	4.210		
9,800.00	6,946.31	9,948.29	7,070.21	92.70	93.07	99.51	488.76	-1,798.25	749.85	566.60	183.25	4.092		
9,900.00	6,946.57	10,048.29	7,070.22	95.35	95.72	99.49	488.73	-1,898.25	750.15	561.64	188.51	3.979		
10,000.00	6,946.84	10,148.29	7,070.23	98.02	98.39	99.46	488.70	-1,998.25	750.44	556.66	193.78	3.873		
10,100.00	6,947.11	10,248.29	7,070.24	100.70	101.06	99.44	488.66	-2,098.25	750.74	551.66	199.08	3.771		
10,200.00	6,947.37	10,348.29	7,070.24	103.38	103.74	99.42	488.63	-2,198.25	751.03	546.63	204.40	3.674		
10,300.00	6,947.64	10,448.29	7,070.25	106.08	106.43	99.39	488.60	-2,298.25	751.33	541.59	209.73	3.582		
10,400.00	6,947.90	10,548.29	7,070.26	108.78	109.13	99.37	488.56	-2,398.24	751.62	536.53	215.09	3.495		
10,500.00	6,948.17	10,648.29	7,070.27	111.49	111.84	99.35	488.53	-2,498.24	751.92	531.46	220.45	3.411		
10,600.00	6,948.44	10,748.29	7,070.28	114.21	114.56	99.32	488.50	-2,598.24	752.21	526.37	225.84	3.331		
10,700.00	6,948.70	10,848.29	7,070.29	116.94	117.28	99.30	488.46	-2,698.24	752.51	521.27	231.24	3.254		
10,800.00	6,948.97	10,948.28	7,070.30	119.67	120.01	99.28	488.43	-2,798.24	752.80	516.15	236.65	3.181		
10,900.00	6,949.24	11,048.28	7,070.31	122.41	122.74	99.25	488.39	-2,898.24	753.10	511.03	242.07	3.111		
11,000.00	6,949.50	11,148.28	7,070.32	125.15	125.48	99.23	488.36	-2,998.24	753.39	505.89	247.51	3.044		
11,100.00	6,949.77	11,248.28	7,070.32	127.90	128.23	99.20	488.33	-3,098.24	753.69	500.74	252.95	2.980		
11,200.00	6,950.03	11,348.28	7,070.33	130.65	130.98	99.18	488.29	-3,198.24	753.99	495.58	258.41	2.918		
11,300.00	6,950.30	11,448.28	7,070.34	133.41	133.74	99.16	488.26	-3,298.24	754.28	490.41	263.87	2.859		
11,400.00	6,950.57	11,548.28	7,070.35	136.17	136.49	99.13	488.23	-3,398.24	754.58	485.23	269.34	2.802		
11,500.00	6,950.83	11,648.28	7,070.36	138.94	139.26	99.11	488.19	-3,498.23	754.88	480.05	274.83	2.747		
11,600.00	6,951.10	11,748.28	7,070.37	141.71	142.03	99.09	488.16	-3,598.23	755.17	474.85	280.32	2.694		
11,700.00	6,951.36	11,848.28	7,070.38	144.48	144.80	99.06	488.12	-3,698.23	755.47	469.65	285.82	2.643		
11,800.00	6,951.63	11,948.28	7,070.39	147.26	147.57	99.04	488.09	-3,798.23	755.77	464.45	291.32	2.594		
11,900.00	6,951.90	12,048.27	7,070.40	150.03	150.35	99.02	488.06	-3,898.23	756.06	459.23	296.83	2.547		
12,000.00	6,952.16	12,148.27	7,070.40	152.82	153.13	98.99	488.02	-3,998.23	756.36	454.01	302.35	2.502		
12,100.00	6,952.43	12,248.27	7,070.41	155.60	155.91	98.97	487.99	-4,098.23	756.66	448.78	307.87	2.458		
12,200.00	6,952.69	12,348.27	7,070.42	158.39	158.70	98.95	487.96	-4,198.23	756.95	443.55	313.40	2.415		
12,300.00	6,952.96	12,448.27	7,070.43	161.18	161.49	98.92	487.92	-4,298.23	757.25	438.31	318.94	2.374		
12,400.00	6,953.23	12,548.27	7,070.44	163.97	164.28	98.90	487.89	-4,398.23	757.55	433.07	324.48	2.335		
12,500.00	6,953.49	12,648.27	7,070.45	166.77	167.07	98.88	487.86	-4,498.23	757.85	427.82	330.03	2.296		
12,600.00	6,953.76	12,748.27	7,070.46	169.56	169.87	98.86	487.82	-4,598.22	758.15	422.57	335.58	2.259		
12,700.00	6,954.02	12,848.27	7,070.47	172.36	172.67	98.83	487.79	-4,698.22	758.44	417.31	341.13	2.223		
12,800.00	6,954.29	12,948.27	7,070.48	175.16	175.47	98.81	487.75	-4,798.22	758.74	412.05	346.69	2.189		
12,900.00	6,954.56	13,048.27	7,070.48	177.97	178.27	98.79	487.72	-4,898.22	759.04	406.78	352.26	2.155		
13,000.00	6,954.82	13,148.26	7,070.49	180.77	181.07	98.76	487.69	-4,998.22	759.34	401.51	357.83	2.122		
13,100.00	6,955.09	13,248.26	7,070.50	183.58	183.88	98.74	487.65	-5,098.22	759.64	396.24	363.40	2.090		
13,200.00	6,955.35	13,348.26	7,070.51	186.38	186.68	98.72	487.62	-5,198.22	759.94	390.96	368.97	2.060		
13,300.00	6,955.62	13,448.26	7,070.52	189.19	189.49	98.69	487.59	-5,298.22	760.23	385.68	374.55	2.030		
13,400.00	6,955.89	13,548.26	7,070.53	192.00	192.30	98.67	487.55	-5,398.22	760.53	380.40	380.14	2.001		
13,500.00	6,956.15	13,648.26	7,070.54	194.82	195.11	98.65	487.52	-5,498.22	760.83	375.11	385.72	1.972		
13,600.00	6,956.42	13,748.26	7,070.55	197.63	197.93	98.62	487.48	-5,598.22	761.13	369.82	391.31	1.945		
13,700.00	6,956.68	13,848.26	7,070.56	200.44	200.74	98.60	487.45	-5,698.21	761.43	364.53	396.91	1.918		
13,800.00	6,956.95	13,948.26	7,070.56	203.26	203.56	98.58	487.42	-5,798.21	761.73	359.23	402.50	1.892		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	14,048.26	7,070.57	206.08	206.37	98.56	487.38	-5,898.21	762.03	353.93	408.10	1.867		
14,000.00	6,957.48	14,148.26	7,070.58	208.89	209.19	98.53	487.35	-5,998.21	762.33	348.63	413.70	1.843		
14,100.00	6,957.75	14,248.25	7,070.59	211.71	212.01	98.51	487.32	-6,098.21	762.63	343.32	419.31	1.819		
14,200.00	6,958.02	14,348.25	7,070.60	214.53	214.83	98.49	487.28	-6,198.21	762.93	338.02	424.91	1.795		
14,300.00	6,958.28	14,448.25	7,070.61	217.36	217.65	98.46	487.25	-6,298.21	763.23	332.71	430.52	1.773		
14,400.00	6,958.55	14,548.25	7,070.62	220.18	220.47	98.44	487.22	-6,398.21	763.53	327.40	436.13	1.751		
14,500.00	6,958.81	14,648.25	7,070.63	223.00	223.30	98.42	487.18	-6,498.21	763.83	322.08	441.75	1.729		
14,600.00	6,959.08	14,748.25	7,070.64	225.83	226.12	98.40	487.15	-6,598.21	764.13	316.77	447.36	1.708		
14,700.00	6,959.35	14,848.25	7,070.64	228.65	228.95	98.37	487.11	-6,698.21	764.43	311.45	452.98	1.688		
14,800.00	6,959.61	14,948.25	7,070.65	231.48	231.77	98.35	487.08	-6,798.20	764.73	306.13	458.60	1.668		
14,900.00	6,959.88	15,048.25	7,070.66	234.30	234.60	98.33	487.05	-6,898.20	765.03	300.81	464.23	1.648		
15,000.00	6,960.14	15,148.25	7,070.67	237.13	237.43	98.30	487.01	-6,998.20	765.33	295.48	469.85	1.629		
15,100.00	6,960.41	15,248.24	7,070.68	239.96	240.26	98.28	486.98	-7,098.20	765.63	290.16	475.48	1.610		
15,200.00	6,960.68	15,348.24	7,070.69	242.79	243.08	98.26	486.95	-7,198.20	765.93	284.83	481.11	1.592		
15,300.00	6,960.94	15,448.24	7,070.70	245.62	245.91	98.24	486.91	-7,298.20	766.24	279.50	486.74	1.574		
15,400.00	6,961.21	15,548.24	7,070.71	248.45	248.74	98.21	486.88	-7,398.20	766.54	274.17	492.37	1.557		
15,500.00	6,961.47	15,648.24	7,070.72	251.28	251.58	98.19	486.84	-7,498.20	766.84	268.83	498.01	1.540		
15,600.00	6,961.74	15,748.24	7,070.72	254.11	254.41	98.17	486.81	-7,598.20	767.14	263.50	503.64	1.523		
15,700.00	6,962.01	15,848.24	7,070.73	256.94	257.24	98.15	486.78	-7,698.20	767.44	258.16	509.28	1.507		
15,800.00	6,962.27	15,948.24	7,070.74	259.77	260.07	98.12	486.74	-7,798.20	767.74	252.82	514.92	1.491 Level 3		
15,900.00	6,962.54	16,048.24	7,070.75	262.61	262.91	98.10	486.71	-7,898.19	768.05	247.49	520.56	1.475 Level 3		
16,000.00	6,962.80	16,148.24	7,070.76	265.44	265.74	98.08	486.68	-7,998.19	768.35	242.15	526.20	1.460 Level 3		
16,100.00	6,963.07	16,248.24	7,070.77	268.28	268.57	98.05	486.64	-8,098.19	768.65	236.80	531.85	1.445 Level 3		
16,200.00	6,963.34	16,348.23	7,070.78	271.11	271.41	98.03	486.61	-8,198.19	768.95	231.46	537.49	1.431 Level 3		
16,300.00	6,963.60	16,448.23	7,070.79	273.95	274.25	98.01	486.58	-8,298.19	769.25	226.11	543.14	1.416 Level 3		
16,400.00	6,963.87	16,548.23	7,070.80	276.78	277.08	97.99	486.54	-8,398.19	769.56	220.77	548.79	1.402 Level 3		
16,500.00	6,964.13	16,648.23	7,070.80	279.62	279.92	97.96	486.51	-8,498.19	769.86	215.42	554.44	1.389 Level 3		
16,600.00	6,964.40	16,748.23	7,070.81	282.46	282.76	97.94	486.47	-8,598.19	770.16	210.07	560.09	1.375 Level 3		
16,700.00	6,964.67	16,848.23	7,070.82	285.29	285.59	97.92	486.44	-8,698.19	770.47	204.72	565.74	1.362 Level 3		
16,800.00	6,964.93	16,948.23	7,070.83	288.13	288.43	97.90	486.41	-8,798.19	770.77	199.37	571.40	1.349 Level 3		
16,900.00	6,965.20	17,048.23	7,070.84	290.97	291.27	97.88	486.37	-8,898.18	771.07	194.02	577.05	1.336 Level 3		
17,000.00	6,965.46	17,148.23	7,070.85	293.81	294.11	97.85	486.34	-8,998.18	771.37	188.67	582.71	1.324 Level 3		
17,100.00	6,965.73	17,248.23	7,070.86	296.65	296.95	97.83	486.31	-9,098.18	771.68	183.31	588.37	1.312 Level 3		
17,200.00	6,966.00	17,348.23	7,070.87	299.49	299.79	97.81	486.27	-9,198.18	771.98	177.96	594.03	1.300 Level 3		
17,300.00	6,966.26	17,448.22	7,070.87	302.32	302.63	97.79	486.24	-9,298.18	772.29	172.60	599.69	1.288 Level 3		
17,400.00	6,966.53	17,548.22	7,070.88	305.16	305.47	97.76	486.20	-9,398.18	772.59	167.24	605.35	1.276 Level 3		
17,500.00	6,966.80	17,648.22	7,070.89	308.00	308.31	97.74	486.17	-9,498.18	772.89	161.88	611.01	1.265 Level 3		
17,600.00	6,967.06	17,748.22	7,070.90	310.85	311.15	97.72	486.14	-9,598.18	773.20	156.52	616.67	1.254 Level 3		
17,700.00	6,967.33	17,848.22	7,070.91	313.69	313.99	97.70	486.10	-9,698.18	773.50	151.16	622.34	1.243 Level 2		
17,800.00	6,967.59	17,948.22	7,070.92	316.53	316.83	97.67	486.07	-9,798.18	773.80	145.80	628.00	1.232 Level 2		
17,900.00	6,967.86	18,048.22	7,070.93	319.37	319.68	97.65	486.04	-9,898.18	774.11	140.44	633.67	1.222 Level 2		
18,000.00	6,968.13	18,148.22	7,070.94	322.21	322.52	97.63	486.00	-9,998.17	774.41	135.07	639.34	1.211 Level 2		
18,100.00	6,968.39	18,248.22	7,070.95	325.05	325.36	97.61	485.97	-10,098.17	774.72	129.71	645.01	1.201 Level 2		
18,200.00	6,968.66	18,348.22	7,070.95	327.90	328.20	97.59	485.94	-10,198.17	775.02	124.34	650.68	1.191 Level 2		
18,300.00	6,968.92	18,448.22	7,070.96	330.74	331.05	97.56	485.90	-10,298.17	775.33	118.98	656.35	1.181 Level 2		
18,400.00	6,969.19	18,548.21	7,070.97	333.58	333.89	97.54	485.87	-10,398.17	775.63	113.61	662.02	1.172 Level 2		
18,500.00	6,969.46	18,648.21	7,070.98	336.43	336.73	97.52	485.83	-10,498.17	775.94	108.24	667.69	1.162 Level 2		
18,600.00	6,969.72	18,748.21	7,070.99	339.27	339.58	97.50	485.80	-10,598.17	776.24	102.87	673.37	1.153 Level 2		
18,704.56	6,970.00	18,852.77	7,071.00	342.24	342.55	97.47	485.77	-10,702.73	776.56	97.26	679.30	1.143 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-178.93	-14.94	-0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	-178.93	-14.94	-0.28	14.94	8.37	6.57	2.275		
200.00	200.00	200.00	200.00	3.34	3.34	-178.93	-14.94	-0.28	14.94	8.27	6.67	2.239		
300.00	299.98	299.98	299.98	3.44	3.44	87.77	-14.94	-0.28	14.77	7.89	6.89	2.145		
309.91	309.89	309.89	309.89	3.46	3.46	89.18	-14.94	-0.28	14.76	7.85	6.91	2.135 CC		
400.00	399.84	399.81	399.79	3.60	3.60	101.05	-15.70	1.28	15.53	8.34	7.19	2.159		
500.00	499.45	499.74	499.58	3.80	3.79	111.76	-17.99	5.98	17.97	10.38	7.59	2.368		
600.00	598.70	599.76	599.21	4.05	4.03	118.75	-21.81	13.80	21.78	13.71	8.08	2.698		
700.00	697.47	699.84	698.54	4.33	4.30	122.67	-27.15	24.76	26.70	18.06	8.64	3.090		
803.50	799.05	803.49	800.90	4.67	4.62	124.59	-34.29	39.39	32.77	23.47	9.30	3.522		
900.00	893.41	900.20	895.82	5.02	4.96	123.27	-42.40	56.03	38.36	28.38	9.98	3.843		
1,000.00	991.20	1,000.18	993.37	5.41	5.33	118.72	-51.99	75.68	43.45	32.72	10.74	4.047		
1,100.00	1,088.99	1,100.01	1,090.71	5.81	5.73	114.84	-61.68	95.54	48.72	37.18	11.54	4.221		
1,200.00	1,186.78	1,200.20	1,188.05	6.23	6.15	111.73	-71.36	115.40	54.16	41.78	12.38	4.374		
1,300.00	1,284.57	1,300.39	1,285.38	6.67	6.59	109.19	-81.05	135.26	59.74	46.48	13.26	4.507		
1,400.00	1,382.36	1,400.57	1,382.72	7.12	7.04	107.09	-90.73	155.12	65.41	51.26	14.15	4.623		
1,500.00	1,480.15	1,500.76	1,480.05	7.57	7.50	105.32	-100.42	174.98	71.15	56.09	15.06	4.724		
1,600.00	1,577.94	1,600.95	1,577.39	8.03	7.97	103.82	-110.11	194.84	76.96	60.97	15.99	4.813		
1,700.00	1,675.73	1,701.13	1,674.73	8.50	8.44	102.53	-119.79	214.70	82.80	65.87	16.93	4.891		
1,800.00	1,773.52	1,801.32	1,772.06	8.98	8.93	101.41	-129.48	234.56	88.69	70.81	17.88	4.960		
1,900.00	1,871.31	1,901.51	1,869.40	9.45	9.41	100.43	-139.17	254.42	94.60	75.76	18.84	5.021		
2,000.00	1,969.10	2,001.70	1,966.74	9.94	9.90	99.57	-148.85	274.28	100.54	80.73	19.81	5.076		
2,100.00	2,066.88	2,101.88	2,064.07	10.42	10.40	98.80	-158.54	294.14	106.49	85.71	20.78	5.125		
2,200.00	2,164.67	2,202.07	2,161.41	10.91	10.89	98.12	-168.23	314.00	112.47	90.71	21.76	5.169		
2,300.00	2,262.46	2,302.26	2,258.74	11.40	11.39	97.50	-177.91	333.86	118.46	95.72	22.74	5.209		
2,400.00	2,360.25	2,402.44	2,356.08	11.89	11.90	96.94	-187.60	353.72	124.46	100.73	23.73	5.245		
2,500.00	2,458.04	2,502.63	2,453.42	12.39	12.40	96.43	-197.29	373.58	130.47	105.75	24.72	5.277		
2,600.00	2,555.83	2,602.82	2,550.75	12.88	12.91	95.97	-206.97	393.44	136.49	110.78	25.72	5.308		
2,700.00	2,653.62	2,703.01	2,648.09	13.38	13.42	95.55	-216.66	413.30	142.52	115.81	26.71	5.335		
2,800.00	2,751.41	2,796.81	2,745.43	13.88	13.89	95.16	-226.34	433.16	148.56	120.88	27.68	5.367		
2,900.00	2,849.20	2,903.38	2,842.76	14.38	14.44	94.81	-236.03	453.02	154.60	125.89	28.72	5.384		
3,000.00	2,946.99	3,003.57	2,940.10	14.88	14.95	94.47	-245.72	472.88	160.65	130.93	29.72	5.405		
3,100.00	3,044.78	3,103.76	3,037.43	15.38	15.46	94.17	-255.40	492.74	166.71	135.98	30.73	5.425		
3,200.00	3,142.57	3,203.94	3,134.77	15.89	15.98	93.88	-265.09	512.60	172.76	141.03	31.74	5.444		
3,300.00	3,240.36	3,304.13	3,232.11	16.39	16.49	93.62	-274.78	532.46	178.83	146.08	32.75	5.461		
3,400.00	3,338.15	3,404.32	3,329.44	16.89	17.01	93.37	-284.46	552.32	184.89	151.13	33.76	5.477		
3,500.00	3,435.93	3,504.50	3,426.78	17.40	17.53	93.14	-294.15	572.18	190.96	156.19	34.77	5.492		
3,600.00	3,533.72	3,604.69	3,524.12	17.90	18.04	92.92	-303.84	592.04	197.03	161.25	35.78	5.506		
3,700.00	3,631.51	3,704.88	3,621.45	18.41	18.56	92.71	-313.52	611.90	203.11	166.31	36.80	5.520		
3,800.00	3,729.30	3,805.07	3,718.79	18.92	19.08	92.52	-323.21	631.76	209.18	171.37	37.81	5.532		
3,900.00	3,827.09	3,894.75	3,816.12	19.42	19.55	92.34	-332.90	651.63	215.26	176.49	38.78	5.552		
4,000.00	3,924.88	4,005.44	3,913.46	19.93	20.12	92.16	-342.58	671.49	221.34	181.50	39.85	5.555		
4,100.00	4,022.67	4,094.37	4,010.80	20.44	20.58	92.00	-352.27	691.35	227.42	186.62	40.81	5.573		
4,200.00	4,120.46	4,205.81	4,108.13	20.95	21.16	91.84	-361.95	711.21	233.51	191.63	41.88	5.575		
4,300.00	4,218.25	4,306.00	4,205.47	21.46	21.68	91.70	-371.64	731.07	239.60	196.69	42.90	5.585		
4,400.00	4,316.04	4,406.19	4,302.80	21.97	22.20	91.56	-381.33	750.93	245.68	201.76	43.92	5.594		
4,500.00	4,413.83	4,506.38	4,400.14	22.48	22.72	91.43	-391.01	770.79	251.77	206.83	44.94	5.602		
4,600.00	4,511.62	4,606.56	4,497.48	22.99	23.25	91.30	-400.70	790.65	257.86	211.90	45.96	5.610		
4,700.00	4,609.41	4,706.75	4,594.81	23.50	23.77	91.18	-410.39	810.51	263.95	216.97	46.99	5.618		
4,800.00	4,707.20	4,806.94	4,692.15	24.01	24.29	91.06	-420.07	830.37	270.05	222.04	48.01	5.625		
4,900.00	4,804.98	4,892.88	4,789.49	24.52	24.74	90.95	-429.76	850.23	276.14	227.18	48.96	5.641		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 33C-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		
5,000.00	4,902.77	5,007.31	4,886.82	25.03	25.34	90.85	-439.45	870.09	282.24	232.18	50.05	5.639		
5,100.00	5,000.56	5,092.50	4,984.16	25.54	25.78	90.75	-449.13	889.95	288.33	237.33	51.00	5.654		
5,200.00	5,098.35	5,207.69	5,081.49	26.05	26.38	90.65	-458.82	909.81	294.43	242.33	52.10	5.651		
5,300.00	5,196.14	5,307.87	5,178.83	26.56	26.91	90.56	-468.50	929.67	300.53	247.40	53.12	5.657		
5,400.00	5,293.93	5,408.06	5,276.17	27.07	27.43	90.47	-478.19	949.53	306.62	252.48	54.15	5.663		
5,500.00	5,391.72	5,491.75	5,373.50	27.58	27.87	90.38	-487.88	969.39	312.72	257.63	55.09	5.677		
5,600.00	5,489.51	5,608.44	5,470.84	28.09	28.48	90.30	-497.56	989.25	318.82	262.62	56.20	5.673		
5,700.00	5,587.30	5,708.62	5,568.18	28.61	29.00	90.22	-507.25	1,009.11	324.92	267.70	57.22	5.678		
5,800.00	5,685.09	5,808.81	5,665.51	29.12	29.53	90.14	-516.94	1,028.97	331.02	272.77	58.25	5.683		
5,900.00	5,782.88	5,909.00	5,762.85	29.63	30.05	90.07	-526.62	1,048.83	337.12	277.85	59.27	5.688		
6,000.00	5,880.67	5,990.82	5,860.18	30.14	30.48	90.00	-536.31	1,068.69	343.23	283.02	60.21	5.701		
6,100.00	5,978.46	6,109.37	5,957.52	30.65	31.10	89.93	-546.00	1,088.55	349.33	288.00	61.33	5.696		
6,200.00	6,076.25	6,209.56	6,054.86	31.17	31.63	89.86	-555.68	1,108.41	355.43	293.08	62.35	5.700		
6,298.86	6,172.92	6,289.12	6,151.08	31.67	32.04	89.80	-565.26	1,128.04	361.46	298.20	63.27	5.713		
6,300.00	6,174.03	6,309.75	6,152.19	31.68	32.15	89.72	-565.37	1,128.27	361.53	298.15	63.38	5.704		
6,350.00	6,223.30	6,340.12	6,200.82	31.92	32.31	83.47	-570.21	1,138.19	364.23	300.46	63.76	5.712		
6,400.00	6,273.06	6,389.70	6,249.17	32.13	32.57	61.30	-575.02	1,148.05	366.28	302.10	64.19	5.706		
6,450.00	6,323.01	6,438.68	6,296.94	32.32	32.83	-30.47	-579.77	1,157.80	367.88	303.34	64.55	5.699		
6,500.00	6,372.84	6,486.77	6,343.84	32.48	33.08	-64.63	-584.44	1,167.37	369.32	304.47	64.85	5.695		
6,550.00	6,422.24	6,533.67	6,389.57	32.65	33.32	-74.73	-588.99	1,176.70	370.99	305.87	65.11	5.698		
6,600.00	6,470.92	6,579.09	6,433.87	32.83	33.56	-80.72	-593.40	1,185.74	373.38	308.06	65.32	5.716		
6,650.00	6,518.56	6,622.75	6,476.44	33.01	33.79	-85.42	-597.64	1,194.43	377.05	311.57	65.48	5.759		
6,700.00	6,564.89	6,668.07	6,520.91	33.21	34.01	-89.62	-602.06	1,201.91	382.38	316.76	65.62	5.827		
6,750.00	6,609.60	6,715.35	6,567.74	33.43	34.22	-93.42	-606.69	1,206.30	389.35	323.59	65.76	5.921		
6,800.00	6,652.43	6,764.84	6,616.97	33.66	34.42	-96.94	-611.56	1,207.15	397.85	331.98	65.87	6.040		
6,850.00	6,693.10	6,816.91	6,668.68	33.91	34.59	-100.26	-616.65	1,203.89	407.75	341.82	65.94	6.184		
6,900.00	6,731.38	6,871.96	6,722.86	34.20	34.77	-103.42	-621.96	1,195.84	418.86	352.96	65.91	6.355		
6,950.00	6,767.02	6,930.47	6,779.46	34.51	34.96	-106.43	-627.49	1,182.17	430.93	365.20	65.73	6.556		
7,000.00	6,799.81	6,992.98	6,838.27	34.85	35.17	-109.30	-633.21	1,161.86	443.67	378.32	65.35	6.790		
7,050.00	6,829.54	7,060.06	6,898.86	35.24	35.41	-112.05	-639.07	1,133.74	456.75	392.02	64.73	7.056		
7,100.00	6,856.03	7,132.31	6,960.43	35.66	35.71	-114.65	-645.00	1,096.48	469.77	405.90	63.87	7.355		
7,150.00	6,879.11	7,210.31	7,021.72	36.12	36.08	-117.07	-650.85	1,048.68	482.31	419.50	62.81	7.678		
7,200.00	6,898.65	7,294.46	7,080.79	36.62	36.54	-119.29	-656.43	989.08	493.90	432.19	61.71	8.004		
7,250.00	6,914.51	7,384.93	7,134.97	37.15	37.14	-121.22	-661.49	916.91	504.02	443.22	60.80	8.290		
7,300.00	6,926.62	7,481.38	7,180.92	37.73	37.92	-122.80	-665.67	832.31	512.18	451.74	60.44	8.474		
7,350.00	6,934.88	7,582.91	7,214.98	38.34	38.89	-123.95	-668.64	736.83	517.91	456.91	61.00	8.491		
7,400.00	6,939.26	7,687.92	7,233.87	38.97	40.04	-124.61	-670.09	633.66	520.84	458.15	62.70	8.308		
7,429.12	6,940.00	7,749.85	7,237.00	39.34	40.78	-124.74	-670.14	571.83	521.17	456.97	64.20	8.118		
7,500.00	6,940.19	7,820.84	7,237.13	40.31	41.69	-124.77	-669.86	500.85	520.69	454.86	65.83	7.910		
7,600.00	6,940.46	7,920.84	7,237.32	41.80	43.10	-124.81	-669.47	400.85	520.02	451.69	68.33	7.610		
7,700.00	6,940.72	8,020.84	7,237.50	43.43	44.66	-124.85	-669.08	300.85	519.34	448.27	71.07	7.308		
7,800.00	6,940.99	8,120.83	7,237.69	45.19	46.34	-124.89	-668.69	200.86	518.67	444.65	74.02	7.008		
7,900.00	6,941.25	8,220.83	7,237.88	47.05	48.14	-124.93	-668.30	100.86	517.99	440.85	77.15	6.714		
8,000.00	6,941.52	8,320.83	7,238.06	49.02	50.04	-124.98	-667.91	0.87	517.32	436.88	80.44	6.431		
8,100.00	6,941.79	8,420.82	7,238.25	51.06	52.04	-125.02	-667.52	-99.13	516.65	432.77	83.88	6.159		
8,200.00	6,942.05	8,520.82	7,238.44	53.18	54.11	-125.06	-667.13	-199.13	515.97	428.53	87.44	5.901		
8,300.00	6,942.32	8,620.82	7,238.62	55.37	56.25	-125.10	-666.74	-299.12	515.30	424.19	91.11	5.656		
8,400.00	6,942.58	8,720.81	7,238.81	57.62	58.45	-125.14	-666.35	-399.12	514.63	419.75	94.88	5.424		
8,500.00	6,942.85	8,820.81	7,239.00	59.92	60.72	-125.18	-665.96	-499.12	513.96	415.23	98.73	5.206		
8,600.00	6,943.12	8,920.81	7,239.18	62.26	63.03	-125.23	-665.57	-599.11	513.28	410.63	102.66	5.000		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	9,020.81	7,239.37	64.65	65.38	-125.27	-665.18	-699.11	512.61	405.96	106.65	4.807		
8,800.00	6,943.65	9,120.80	7,239.55	67.08	67.77	-125.31	-664.79	-799.10	511.94	401.24	110.70	4.625		
8,900.00	6,943.91	9,220.80	7,239.74	69.53	70.20	-125.35	-664.40	-899.10	511.27	396.47	114.80	4.454		
9,000.00	6,944.18	9,320.80	7,239.93	72.02	72.66	-125.40	-664.00	-999.10	510.60	391.65	118.95	4.293		
9,100.00	6,944.45	9,420.79	7,240.11	74.54	75.15	-125.44	-663.61	-1,099.09	509.93	386.79	123.13	4.141		
9,200.00	6,944.71	9,520.79	7,240.30	77.07	77.67	-125.48	-663.22	-1,199.09	509.26	381.90	127.36	3.999		
9,300.00	6,944.98	9,620.79	7,240.49	79.63	80.21	-125.52	-662.83	-1,299.08	508.59	376.98	131.61	3.864		
9,400.00	6,945.24	9,720.79	7,240.67	82.21	82.77	-125.57	-662.44	-1,399.08	507.92	372.02	135.90	3.738		
9,500.00	6,945.51	9,820.78	7,240.86	84.81	85.35	-125.61	-662.05	-1,499.08	507.25	367.05	140.20	3.618		
9,600.00	6,945.78	9,920.78	7,241.04	87.43	87.95	-125.65	-661.66	-1,599.07	506.58	362.05	144.53	3.505		
9,700.00	6,946.04	10,020.78	7,241.23	90.05	90.56	-125.70	-661.27	-1,699.07	505.91	357.03	148.89	3.398		
9,800.00	6,946.31	10,120.77	7,241.42	92.70	93.19	-125.74	-660.88	-1,799.06	505.24	351.99	153.25	3.297		
9,900.00	6,946.57	10,220.77	7,241.60	95.35	95.83	-125.78	-660.49	-1,899.06	504.58	346.94	157.64	3.201		
10,000.00	6,946.84	10,320.77	7,241.79	98.02	98.48	-125.83	-660.10	-1,999.06	503.91	341.87	162.04	3.110		
10,100.00	6,947.11	10,420.76	7,241.98	100.70	101.15	-125.87	-659.71	-2,099.05	503.24	336.79	166.45	3.023		
10,200.00	6,947.37	10,520.76	7,242.16	103.38	103.82	-125.91	-659.32	-2,199.05	502.57	331.70	170.88	2.941		
10,300.00	6,947.64	10,620.76	7,242.35	106.08	106.51	-125.96	-658.93	-2,299.04	501.91	326.60	175.31	2.863		
10,400.00	6,947.90	10,720.76	7,242.53	108.78	109.20	-126.00	-658.54	-2,399.04	501.24	321.49	179.75	2.789		
10,500.00	6,948.17	10,820.75	7,242.72	111.49	111.90	-126.05	-658.14	-2,499.04	500.57	316.37	184.20	2.718		
10,600.00	6,948.44	10,920.75	7,242.91	114.21	114.61	-126.09	-657.75	-2,599.03	499.91	311.25	188.66	2.650		
10,700.00	6,948.70	11,020.75	7,243.09	116.94	117.33	-126.13	-657.36	-2,699.03	499.24	306.12	193.12	2.585		
10,800.00	6,948.97	11,120.74	7,243.28	119.67	120.05	-126.18	-656.97	-2,799.03	498.58	300.98	197.59	2.523		
10,900.00	6,949.24	11,220.74	7,243.47	122.41	122.78	-126.22	-656.58	-2,899.02	497.91	295.84	202.07	2.464		
11,000.00	6,949.50	11,320.74	7,243.65	125.15	125.52	-126.27	-656.19	-2,999.02	497.25	290.70	206.54	2.407		
11,100.00	6,949.77	11,420.73	7,243.84	127.90	128.26	-126.31	-655.80	-3,099.01	496.58	285.55	211.03	2.353		
11,200.00	6,950.03	11,520.73	7,244.02	130.65	131.01	-126.36	-655.41	-3,199.01	495.92	280.41	215.51	2.301		
11,300.00	6,950.30	11,620.73	7,244.21	133.41	133.76	-126.40	-655.02	-3,299.01	495.25	275.26	220.00	2.251		
11,400.00	6,950.57	11,720.73	7,244.40	136.17	136.52	-126.45	-654.63	-3,399.00	494.59	270.10	224.48	2.203		
11,500.00	6,950.83	11,820.72	7,244.58	138.94	139.28	-126.49	-654.24	-3,499.00	493.93	264.95	228.97	2.157		
11,600.00	6,951.10	11,920.72	7,244.77	141.71	142.04	-126.54	-653.85	-3,598.99	493.26	259.80	233.47	2.113		
11,700.00	6,951.36	12,020.72	7,244.96	144.48	144.81	-126.58	-653.46	-3,698.99	492.60	254.64	237.96	2.070		
11,800.00	6,951.63	12,120.71	7,245.14	147.26	147.58	-126.63	-653.07	-3,798.99	491.94	249.49	242.45	2.029		
11,900.00	6,951.90	12,220.71	7,245.33	150.03	150.36	-126.68	-652.68	-3,898.98	491.27	244.34	246.94	1.989		
12,000.00	6,952.16	12,320.71	7,245.52	152.82	153.13	-126.72	-652.28	-3,998.98	490.61	239.18	251.43	1.951		
12,100.00	6,952.43	12,420.71	7,245.70	155.60	155.92	-126.77	-651.89	-4,098.97	489.95	234.03	255.92	1.914		
12,200.00	6,952.69	12,520.70	7,245.89	158.39	158.70	-126.81	-651.50	-4,198.97	489.29	228.88	260.41	1.879		
12,300.00	6,952.96	12,620.70	7,246.07	161.18	161.49	-126.86	-651.11	-4,298.97	488.63	223.73	264.90	1.845		
12,400.00	6,953.23	12,720.70	7,246.26	163.97	164.28	-126.91	-650.72	-4,398.96	487.97	218.58	269.39	1.811		
12,500.00	6,953.49	12,820.69	7,246.45	166.77	167.07	-126.95	-650.33	-4,498.96	487.31	213.44	273.87	1.779		
12,600.00	6,953.76	12,920.69	7,246.63	169.56	169.86	-127.00	-649.94	-4,598.96	486.65	208.29	278.36	1.748		
12,700.00	6,954.02	13,020.69	7,246.82	172.36	172.66	-127.05	-649.55	-4,698.95	485.99	203.15	282.84	1.718		
12,800.00	6,954.29	13,120.68	7,247.01	175.16	175.46	-127.09	-649.16	-4,798.95	485.33	198.01	287.32	1.689		
12,900.00	6,954.56	13,220.68	7,247.19	177.97	178.26	-127.14	-648.77	-4,898.94	484.67	192.88	291.79	1.661		
13,000.00	6,954.82	13,320.68	7,247.38	180.77	181.06	-127.19	-648.38	-4,998.94	484.01	187.74	296.27	1.634		
13,100.00	6,955.09	13,420.68	7,247.56	183.58	183.86	-127.24	-647.99	-5,098.94	483.35	182.61	300.74	1.607		
13,200.00	6,955.35	13,520.67	7,247.75	186.38	186.67	-127.28	-647.60	-5,198.93	482.70	177.49	305.21	1.582		
13,300.00	6,955.62	13,620.67	7,247.94	189.19	189.48	-127.33	-647.21	-5,298.93	482.04	172.36	309.68	1.557		
13,400.00	6,955.89	13,720.67	7,248.12	192.00	192.29	-127.38	-646.82	-5,398.92	481.38	167.24	314.14	1.532		
13,500.00	6,956.15	13,820.66	7,248.31	194.82	195.10	-127.43	-646.42	-5,498.92	480.72	162.13	318.60	1.509		
13,600.00	6,956.42	13,920.66	7,248.50	197.63	197.91	-127.47	-646.03	-5,598.92	480.07	157.01	323.05	1.486 Level 3		
13,700.00	6,956.68	14,020.66	7,248.68	200.44	200.72	-127.52	-645.64	-5,698.91	479.41	151.91	327.51	1.464 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,800.00	6,956.95	14,120.65	7,248.87	203.26	203.54	-127.57	-645.25	-5,798.91	478.76	146.80	331.95	1.442	Level 3	
13,900.00	6,957.22	14,220.65	7,249.05	206.08	206.35	-127.62	-644.86	-5,898.90	478.10	141.70	336.40	1.421	Level 3	
14,000.00	6,957.48	14,320.65	7,249.24	208.89	209.17	-127.67	-644.47	-5,998.90	477.44	136.60	340.84	1.401	Level 3	
14,100.00	6,957.75	14,420.65	7,249.43	211.71	211.99	-127.72	-644.08	-6,098.90	476.79	131.51	345.28	1.381	Level 3	
14,200.00	6,958.02	14,520.64	7,249.61	214.53	214.81	-127.77	-643.69	-6,198.89	476.14	126.42	349.71	1.362	Level 3	
14,300.00	6,958.28	14,620.64	7,249.80	217.36	217.63	-127.81	-643.30	-6,298.89	475.48	121.34	354.14	1.343	Level 3	
14,400.00	6,958.55	14,720.64	7,249.99	220.18	220.45	-127.86	-642.91	-6,398.89	474.83	116.26	358.56	1.324	Level 3	
14,500.00	6,958.81	14,820.63	7,250.17	223.00	223.27	-127.91	-642.52	-6,498.88	474.17	111.19	362.98	1.306	Level 3	
14,600.00	6,959.08	14,920.63	7,250.36	225.83	226.10	-127.96	-642.13	-6,598.88	473.52	106.12	367.40	1.289	Level 3	
14,700.00	6,959.35	15,020.63	7,250.55	228.65	228.92	-128.01	-641.74	-6,698.87	472.87	101.06	371.81	1.272	Level 3	
14,800.00	6,959.61	15,120.63	7,250.73	231.48	231.75	-128.06	-641.35	-6,798.87	472.22	96.00	376.22	1.255	Level 3	
14,900.00	6,959.88	15,220.62	7,250.92	234.30	234.57	-128.11	-640.96	-6,898.87	471.56	90.94	380.62	1.239	Level 2	
15,000.00	6,960.14	15,320.62	7,251.10	237.13	237.40	-128.16	-640.56	-6,998.86	470.91	85.90	385.02	1.223	Level 2	
15,100.00	6,960.41	15,420.62	7,251.29	239.96	240.23	-128.21	-640.17	-7,098.86	470.26	80.85	389.41	1.208	Level 2	
15,200.00	6,960.68	15,520.61	7,251.48	242.79	243.06	-128.26	-639.78	-7,198.85	469.61	75.81	393.79	1.193	Level 2	
15,300.00	6,960.94	15,620.61	7,251.66	245.62	245.89	-128.31	-639.39	-7,298.85	468.96	70.78	398.18	1.178	Level 2	
15,400.00	6,961.21	15,720.61	7,251.85	248.45	248.72	-128.36	-639.00	-7,398.85	468.31	65.75	402.55	1.163	Level 2	
15,500.00	6,961.47	15,820.60	7,252.04	251.28	251.55	-128.41	-638.61	-7,498.84	467.66	60.73	406.93	1.149	Level 2	
15,600.00	6,961.74	15,920.60	7,252.22	254.11	254.38	-128.46	-638.22	-7,598.84	467.01	55.72	411.29	1.135	Level 2	
15,700.00	6,962.01	16,020.60	7,252.41	256.94	257.21	-128.51	-637.83	-7,698.83	466.36	50.71	415.65	1.122	Level 2	
15,800.00	6,962.27	16,120.60	7,252.59	259.77	260.05	-128.56	-637.44	-7,798.83	465.71	45.70	420.01	1.109	Level 2	
15,900.00	6,962.54	16,220.59	7,252.78	262.61	262.88	-128.62	-637.05	-7,898.83	465.06	40.70	424.36	1.096	Level 2	
16,000.00	6,962.80	16,320.59	7,252.97	265.44	265.71	-128.67	-636.66	-7,998.82	464.41	35.71	428.70	1.083	Level 2	
16,100.00	6,963.07	16,420.59	7,253.15	268.28	268.55	-128.72	-636.27	-8,098.82	463.77	30.72	433.04	1.071	Level 2	
16,200.00	6,963.34	16,520.58	7,253.34	271.11	271.38	-128.77	-635.88	-8,198.81	463.12	25.74	437.38	1.059	Level 2	
16,300.00	6,963.60	16,620.58	7,253.53	273.95	274.22	-128.82	-635.49	-8,298.81	462.47	20.77	441.71	1.047	Level 2	
16,400.00	6,963.87	16,720.58	7,253.71	276.78	277.06	-128.87	-635.10	-8,398.81	461.82	15.80	446.03	1.035	Level 2	
16,500.00	6,964.13	16,820.57	7,253.90	279.62	279.89	-128.93	-634.70	-8,498.80	461.18	10.83	450.34	1.024	Level 2	
16,600.00	6,964.40	16,920.57	7,254.08	282.46	282.73	-128.98	-634.31	-8,598.80	460.53	5.88	454.66	1.013	Level 2	
16,700.00	6,964.67	17,020.57	7,254.27	285.29	285.57	-129.03	-633.92	-8,698.80	459.89	0.93	458.96	1.002	Level 2	
16,800.00	6,964.93	17,120.57	7,254.46	288.13	288.41	-129.08	-633.53	-8,798.79	459.24	-4.02	463.26	0.991	Level 1	
16,900.00	6,965.20	17,220.56	7,254.64	290.97	291.24	-129.13	-633.14	-8,898.79	458.60	-8.95	467.55	0.981	Level 1	
17,000.00	6,965.46	17,320.56	7,254.83	293.81	294.08	-129.19	-632.75	-8,998.78	457.95	-13.88	471.84	0.971	Level 1	
17,100.00	6,965.73	17,420.56	7,255.02	296.65	296.92	-129.24	-632.36	-9,098.78	457.31	-18.81	476.12	0.960	Level 1	
17,200.00	6,966.00	17,520.55	7,255.20	299.49	299.76	-129.29	-631.97	-9,198.78	456.67	-23.73	480.39	0.951	Level 1	
17,300.00	6,966.26	17,620.55	7,255.39	302.32	302.60	-129.35	-631.58	-9,298.77	456.02	-28.64	484.66	0.941	Level 1	
17,400.00	6,966.53	17,720.55	7,255.57	305.16	305.44	-129.40	-631.19	-9,398.77	455.38	-33.54	488.92	0.931	Level 1	
17,500.00	6,966.80	17,820.55	7,255.76	308.00	308.29	-129.45	-630.80	-9,498.76	454.74	-38.44	493.18	0.922	Level 1	
17,600.00	6,967.06	17,920.54	7,255.95	310.85	311.13	-129.51	-630.41	-9,598.76	454.10	-43.33	497.43	0.913	Level 1	
17,700.00	6,967.33	18,020.54	7,256.13	313.69	313.97	-129.56	-630.02	-9,698.76	453.45	-48.21	501.67	0.904	Level 1	
17,800.00	6,967.59	18,120.54	7,256.32	316.53	316.81	-129.62	-629.63	-9,798.75	452.81	-53.09	505.90	0.895	Level 1	
17,900.00	6,967.86	18,220.53	7,256.51	319.37	319.65	-129.67	-629.24	-9,898.75	452.17	-57.96	510.13	0.886	Level 1	
18,000.00	6,968.13	18,320.53	7,256.69	322.21	322.50	-129.72	-628.84	-9,998.74	451.53	-62.82	514.36	0.878	Level 1	
18,100.00	6,968.39	18,420.53	7,256.88	325.05	325.34	-129.78	-628.45	-10,098.74	450.89	-67.68	518.57	0.869	Level 1	
18,200.00	6,968.66	18,520.52	7,257.07	327.90	328.18	-129.83	-628.06	-10,198.74	450.25	-72.53	522.78	0.861	Level 1	
18,300.00	6,968.92	18,620.52	7,257.25	330.74	331.03	-129.89	-627.67	-10,298.73	449.61	-77.37	526.98	0.853	Level 1	
18,400.00	6,969.19	18,720.52	7,257.44	333.58	333.87	-129.94	-627.28	-10,398.73	448.97	-82.20	531.18	0.845	Level 1	
18,500.00	6,969.46	18,820.52	7,257.62	336.43	336.72	-130.00	-626.89	-10,498.73	448.34	-87.03	535.37	0.837	Level 1	
18,600.00	6,969.72	18,920.51	7,257.81	339.27	339.56	-130.05	-626.50	-10,598.72	447.70	-91.85	539.55	0.830	Level 1	
18,704.56	6,970.00	19,022.43	7,258.00	342.24	342.46	-130.11	-626.10	-10,700.64	447.04	-96.78	543.82	0.822	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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.00	14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	14.93	0.00	14.93	8.36	6.57	2.272		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	14.93	0.00	14.93	8.25	6.67	2.237 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-106.43	14.93	0.00	15.33	8.44	6.89	2.226		
400.00	399.84	400.09	400.07	3.60	3.60	-117.80	14.76	1.74	16.78	9.58	7.20	2.331		
500.00	499.45	500.32	500.16	3.80	3.80	-126.58	14.26	6.97	19.00	11.40	7.60	2.499		
600.00	598.70	600.67	600.12	4.05	4.04	-132.90	13.42	15.69	21.77	13.67	8.10	2.688		
700.00	697.47	701.14	699.83	4.33	4.32	-137.28	12.24	27.91	24.92	16.25	8.67	2.875		
803.50	799.05	805.25	802.63	4.67	4.64	-140.29	10.66	44.23	28.48	19.15	9.33	3.053		
900.00	893.41	902.45	898.02	5.02	4.97	-140.27	8.87	62.82	30.73	20.74	9.99	3.075		
1,000.00	991.20	1,003.01	996.00	5.41	5.35	-135.85	6.70	85.35	30.75	20.02	10.72	2.867		
1,100.00	1,088.99	1,102.96	1,093.14	5.81	5.76	-129.88	4.44	108.77	30.31	18.81	11.49	2.637		
1,179.87	1,167.09	1,182.79	1,170.72	6.15	6.10	-125.03	2.63	127.48	30.20	18.05	12.15	2.485		
1,200.00	1,186.78	1,202.91	1,190.27	6.23	6.19	-123.80	2.18	132.19	30.20	17.89	12.32	2.452		
1,300.00	1,284.57	1,302.86	1,287.41	6.67	6.63	-117.75	-0.08	155.62	30.44	17.25	13.19	2.307		
1,400.00	1,382.36	1,402.80	1,384.55	7.12	7.09	-111.85	-2.34	179.04	31.01	16.91	14.11	2.199		
1,500.00	1,480.15	1,502.75	1,481.69	7.57	7.55	-106.23	-4.60	202.46	31.90	16.85	15.05	2.120		
1,600.00	1,577.94	1,602.70	1,578.83	8.03	8.03	-100.96	-6.86	225.89	33.08	17.07	16.01	2.066		
1,700.00	1,675.73	1,702.65	1,675.97	8.50	8.51	-96.09	-9.12	249.31	34.51	17.53	16.98	2.032		
1,800.00	1,773.52	1,802.60	1,773.11	8.98	9.00	-91.63	-11.38	272.73	36.18	18.21	17.96	2.014		
1,900.00	1,871.31	1,902.55	1,870.24	9.45	9.50	-87.59	-13.64	296.16	38.04	19.09	18.95	2.008		
2,000.00	1,969.10	2,002.49	1,967.38	9.94	9.99	-83.94	-15.90	319.58	40.07	20.14	19.93	2.010		
2,100.00	2,066.88	2,102.44	2,064.52	10.42	10.50	-80.66	-18.16	343.00	42.25	21.34	20.92	2.020		
2,200.00	2,164.67	2,202.39	2,161.66	10.91	11.00	-77.70	-20.41	366.43	44.56	22.66	21.90	2.035		
2,300.00	2,262.46	2,302.34	2,258.80	11.40	11.51	-75.05	-22.67	389.85	46.97	24.09	22.88	2.053		
2,400.00	2,360.25	2,402.29	2,355.94	11.89	12.02	-72.66	-24.93	413.27	49.47	25.62	23.86	2.074		
2,500.00	2,458.04	2,502.24	2,453.08	12.39	12.54	-70.50	-27.19	436.70	52.06	27.22	24.84	2.096		
2,600.00	2,555.83	2,602.19	2,550.22	12.88	13.05	-68.54	-29.45	460.12	54.70	28.89	25.82	2.119		
2,700.00	2,653.62	2,702.13	2,647.35	13.38	13.57	-66.77	-31.71	483.55	57.41	30.62	26.79	2.143		
2,800.00	2,751.41	2,802.08	2,744.49	13.88	14.09	-65.17	-33.97	506.97	60.17	32.39	27.77	2.167		
2,900.00	2,849.20	2,902.03	2,841.63	14.38	14.61	-63.70	-36.23	530.39	62.96	34.22	28.75	2.190		
3,000.00	2,946.99	3,001.98	2,938.77	14.88	15.13	-62.36	-38.49	553.82	65.80	36.07	29.73	2.214		
3,100.00	3,044.78	3,101.93	3,035.91	15.38	15.66	-61.13	-40.75	577.24	68.67	37.97	30.70	2.237		
3,200.00	3,142.57	3,201.88	3,133.05	15.89	16.18	-59.99	-43.01	600.66	71.57	39.89	31.68	2.259		
3,300.00	3,240.36	3,301.82	3,230.19	16.39	16.70	-58.95	-45.27	624.09	74.49	41.83	32.66	2.281		
3,400.00	3,338.15	3,401.77	3,327.32	16.89	17.23	-57.99	-47.53	647.51	77.44	43.80	33.64	2.302		
3,500.00	3,435.93	3,501.72	3,424.46	17.40	17.76	-57.09	-49.79	670.93	80.41	45.79	34.62	2.323		
3,600.00	3,533.72	3,601.67	3,521.60	17.90	18.28	-56.27	-52.04	694.36	83.39	47.79	35.60	2.343		
3,700.00	3,631.51	3,701.62	3,618.74	18.41	18.81	-55.49	-54.30	717.78	86.39	49.82	36.58	2.362		
3,800.00	3,729.30	3,801.57	3,715.88	18.92	19.34	-54.77	-56.56	741.20	89.41	51.85	37.56	2.380		
3,900.00	3,827.09	3,901.51	3,813.02	19.42	19.87	-54.10	-58.82	764.63	92.44	53.90	38.54	2.398		
4,000.00	3,924.88	4,001.46	3,910.16	19.93	20.40	-53.47	-61.08	788.05	95.48	55.96	39.52	2.416		
4,100.00	4,022.67	4,101.41	4,007.30	20.44	20.92	-52.88	-63.34	811.47	98.53	58.03	40.51	2.433		
4,200.00	4,120.46	4,201.36	4,104.43	20.95	21.45	-52.33	-65.60	834.90	101.60	60.11	41.49	2.449		
4,300.00	4,218.25	4,301.31	4,201.57	21.46	21.99	-51.80	-67.86	858.32	104.67	62.19	42.47	2.464		
4,400.00	4,316.04	4,401.26	4,298.71	21.97	22.52	-51.31	-70.12	881.74	107.75	64.29	43.46	2.479		
4,500.00	4,413.83	4,501.21	4,395.85	22.48	23.05	-50.84	-72.38	905.17	110.83	66.39	44.44	2.494		
4,600.00	4,511.62	4,601.15	4,492.99	22.99	23.58	-50.40	-74.64	928.59	113.93	68.50	45.43	2.508		
4,700.00	4,609.41	4,701.10	4,590.13	23.50	24.11	-49.99	-76.90	952.01	117.03	70.62	46.41	2.522		
4,800.00	4,707.20	4,801.05	4,687.27	24.01	24.64	-49.59	-79.16	975.44	120.13	72.74	47.40	2.535		
4,900.00	4,804.98	4,901.00	4,784.41	24.52	25.17	-49.22	-81.41	998.86	123.25	74.86	48.38	2.547		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	5,000.95	4,881.54	25.03	25.71	-48.86	-83.67	1,022.28	126.36	76.99	49.37	2.560		
5,100.00	5,000.56	5,100.90	4,978.68	25.54	26.24	-48.52	-85.93	1,045.71	129.48	79.13	50.36	2.571		
5,200.00	5,098.35	5,200.84	5,075.82	26.05	26.77	-48.19	-88.19	1,069.13	132.61	81.26	51.34	2.583		
5,300.00	5,196.14	5,300.79	5,172.96	26.56	27.31	-47.89	-90.45	1,092.55	135.74	83.41	52.33	2.594		
5,400.00	5,293.93	5,400.74	5,270.10	27.07	27.84	-47.59	-92.71	1,115.98	138.87	85.55	53.32	2.605		
5,500.00	5,391.72	5,502.30	5,368.89	27.58	28.38	-47.40	-94.97	1,139.44	141.76	87.43	54.33	2.609		
5,600.00	5,489.51	5,606.04	5,470.46	28.09	28.90	-48.07	-96.99	1,160.36	142.45	87.05	55.40	2.571		
5,700.00	5,587.30	5,709.59	5,572.55	28.61	29.40	-49.80	-98.65	1,177.58	140.59	84.10	56.49	2.489		
5,800.00	5,685.09	5,812.69	5,674.75	29.12	29.86	-52.71	-99.95	1,191.06	136.42	78.81	57.61	2.368		
5,900.00	5,782.88	5,915.08	5,776.67	29.63	30.29	-57.04	-100.89	1,200.82	130.40	71.60	58.79	2.218		
6,000.00	5,880.67	6,016.51	5,877.91	30.14	30.70	-63.12	-101.48	1,206.91	123.25	63.21	60.05	2.053		
6,100.00	5,978.46	6,116.74	5,978.10	30.65	31.08	-71.35	-101.72	1,209.42	116.17	54.83	61.34	1.894		
6,200.00	6,076.25	6,214.88	6,076.25	31.17	31.43	-81.39	-101.73	1,209.50	111.15	48.61	62.54	1.777		
6,281.37	6,155.81	6,305.55	6,155.81	31.58	31.76	-90.00	-101.73	1,209.50	109.84	46.53	63.31	1.735		
6,298.86	6,172.92	6,311.56	6,172.92	31.67	31.78	-91.87	-101.73	1,209.50	109.90	46.51	63.39	1.734		
6,300.00	6,174.03	6,312.67	6,174.03	31.68	31.78	-92.07	-101.73	1,209.50	109.91	46.51	63.40	1.734		
6,350.00	6,223.30	6,361.93	6,223.30	31.92	31.96	-102.61	-101.73	1,209.50	110.90	47.20	63.70	1.741		
6,400.00	6,273.06	6,411.69	6,273.06	32.13	32.14	-126.45	-101.73	1,209.50	112.59	48.58	64.01	1.759		
6,450.00	6,323.01	6,461.64	6,323.01	32.32	32.32	142.72	-101.73	1,209.50	114.47	50.10	64.36	1.778		
6,500.00	6,372.84	6,511.47	6,372.84	32.48	32.50	111.96	-101.73	1,209.50	116.48	51.70	64.78	1.798		
6,550.00	6,422.24	6,560.88	6,422.24	32.65	32.68	107.45	-101.73	1,209.50	118.95	53.72	65.23	1.823		
6,600.00	6,470.92	6,611.38	6,472.70	32.83	32.86	108.21	-101.74	1,207.59	122.18	56.53	65.64	1.861		
6,650.00	6,518.56	6,662.70	6,523.64	33.01	33.04	110.21	-101.77	1,201.56	125.99	60.06	65.93	1.911		
6,700.00	6,564.89	6,714.84	6,574.74	33.21	33.22	112.61	-101.83	1,191.25	130.28	64.23	66.05	1.972		
6,750.00	6,609.60	6,767.82	6,625.62	33.43	33.43	115.07	-101.90	1,176.52	134.95	68.96	65.99	2.045		
6,800.00	6,652.43	6,821.67	6,675.89	33.66	33.65	117.45	-102.01	1,157.28	139.88	74.17	65.71	2.129		
6,850.00	6,693.10	6,876.38	6,725.12	33.91	33.90	119.67	-102.13	1,133.45	144.96	79.74	65.21	2.223		
6,900.00	6,731.38	6,931.97	6,772.86	34.20	34.18	121.70	-102.28	1,105.00	150.06	85.54	64.52	2.326		
6,950.00	6,767.02	6,988.42	6,818.61	34.51	34.49	123.52	-102.45	1,071.96	155.08	91.42	63.67	2.436		
7,000.00	6,799.81	7,045.71	6,861.86	34.85	34.84	125.14	-102.65	1,034.42	159.92	97.22	62.70	2.551		
7,050.00	6,829.54	7,103.80	6,902.10	35.24	35.24	126.55	-102.87	992.54	164.47	102.77	61.70	2.666		
7,100.00	6,856.03	7,162.66	6,938.79	35.66	35.70	127.77	-103.11	946.56	168.65	107.90	60.75	2.776		
7,150.00	6,879.11	7,222.20	6,971.44	36.12	36.22	128.79	-103.37	896.79	172.36	112.43	59.94	2.876		
7,200.00	6,898.65	7,282.35	6,999.55	36.62	36.80	129.63	-103.65	843.64	175.55	116.18	59.37	2.957		
7,250.00	6,914.51	7,343.03	7,022.71	37.15	37.44	130.29	-103.94	787.58	178.15	119.02	59.13	3.013		
7,300.00	6,926.62	7,404.12	7,040.52	37.73	38.14	130.77	-104.25	729.17	180.11	120.81	59.30	3.037		
7,350.00	6,934.88	7,465.51	7,052.70	38.34	38.89	131.09	-104.56	669.03	181.39	121.48	59.91	3.027		
7,400.00	6,939.26	7,527.07	7,059.04	38.97	39.69	131.24	-104.88	607.82	181.97	120.99	60.99	2.984		
7,429.12	6,940.00	7,562.51	7,060.00	39.34	40.15	131.25	-105.07	572.40	181.98	120.19	61.79	2.945		
7,500.00	6,940.19	7,633.38	7,060.17	40.31	41.16	131.27	-105.44	501.52	181.89	118.50	63.39	2.869		
7,600.00	6,940.46	7,733.38	7,060.40	41.80	42.68	131.29	-105.97	401.53	181.75	115.93	65.82	2.761		
7,700.00	6,940.72	7,833.38	7,060.63	43.43	44.33	131.32	-106.49	301.53	181.62	113.16	68.46	2.653		
7,800.00	6,940.99	7,933.38	7,060.86	45.19	46.10	131.34	-107.01	201.53	181.48	110.21	71.27	2.546		
7,900.00	6,941.25	8,033.38	7,061.09	47.05	47.97	131.36	-107.54	101.53	181.35	107.10	74.25	2.443		
8,000.00	6,941.52	8,133.38	7,061.32	49.02	49.94	131.38	-108.06	1.53	181.21	103.85	77.36	2.342		
8,100.00	6,941.79	8,233.38	7,061.55	51.06	52.00	131.41	-108.59	-98.47	181.08	100.48	80.60	2.247		
8,200.00	6,942.05	8,333.38	7,061.78	53.18	54.12	131.43	-109.11	-198.46	180.94	97.00	83.94	2.156		
8,300.00	6,942.32	8,433.38	7,062.01	55.37	56.31	131.45	-109.63	-298.46	180.81	93.42	87.39	2.069		
8,400.00	6,942.58	8,533.38	7,062.24	57.62	58.56	131.47	-110.16	-398.46	180.67	89.76	90.91	1.987		
8,500.00	6,942.85	8,633.38	7,062.47	59.92	60.86	131.50	-110.68	-498.46	180.54	86.02	94.51	1.910		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	6,943.12	8,733.38	7,062.70	62.26	63.21	131.52	-111.21	-598.46	180.40	82.22	98.18	1.837		
8,700.00	6,943.38	8,833.38	7,062.93	64.65	65.59	131.54	-111.73	-698.46	180.27	78.36	101.91	1.769		
8,800.00	6,943.65	8,933.38	7,063.16	67.08	68.02	131.57	-112.25	-798.45	180.13	74.44	105.69	1.704		
8,900.00	6,943.91	9,033.38	7,063.39	69.53	70.47	131.59	-112.78	-898.45	180.00	70.48	109.51	1.644		
9,000.00	6,944.18	9,133.38	7,063.62	72.02	72.96	131.61	-113.30	-998.45	179.86	66.48	113.38	1.586		
9,100.00	6,944.45	9,233.38	7,063.85	74.54	75.47	131.64	-113.83	-1,098.45	179.73	62.44	117.28	1.532		
9,200.00	6,944.71	9,333.38	7,064.09	77.07	78.01	131.66	-114.35	-1,198.45	179.59	58.37	121.22	1.482	Level 3	
9,300.00	6,944.98	9,433.38	7,064.32	79.63	80.56	131.68	-114.87	-1,298.44	179.46	54.27	125.19	1.434	Level 3	
9,400.00	6,945.24	9,533.38	7,064.55	82.21	83.14	131.70	-115.40	-1,398.44	179.32	50.14	129.18	1.388	Level 3	
9,500.00	6,945.51	9,633.38	7,064.78	84.81	85.74	131.73	-115.92	-1,498.44	179.19	45.99	133.20	1.345	Level 3	
9,600.00	6,945.78	9,733.38	7,065.01	87.43	88.35	131.75	-116.45	-1,598.44	179.06	41.82	137.24	1.305	Level 3	
9,700.00	6,946.04	9,833.38	7,065.24	90.05	90.97	131.77	-116.97	-1,698.44	178.92	37.62	141.30	1.266	Level 3	
9,800.00	6,946.31	9,933.38	7,065.47	92.70	93.61	131.80	-117.49	-1,798.44	178.79	33.41	145.37	1.230	Level 2	
9,900.00	6,946.57	10,033.38	7,065.70	95.35	96.26	131.82	-118.02	-1,898.43	178.65	29.19	149.47	1.195	Level 2	
10,000.00	6,946.84	10,133.38	7,065.93	98.02	98.93	131.84	-118.54	-1,998.43	178.52	24.95	153.57	1.162	Level 2	
10,100.00	6,947.11	10,233.38	7,066.16	100.70	101.60	131.87	-119.07	-2,098.43	178.38	20.69	157.69	1.131	Level 2	
10,200.00	6,947.37	10,333.38	7,066.39	103.38	104.29	131.89	-119.59	-2,198.43	178.25	16.42	161.82	1.101	Level 2	
10,300.00	6,947.64	10,433.38	7,066.62	106.08	106.98	131.91	-120.11	-2,298.43	178.11	12.15	165.97	1.073	Level 2	
10,400.00	6,947.90	10,533.38	7,066.85	108.78	109.68	131.94	-120.64	-2,398.43	177.98	7.86	170.12	1.046	Level 2	
10,500.00	6,948.17	10,633.38	7,067.08	111.49	112.39	131.96	-121.16	-2,498.42	177.85	3.57	174.28	1.020	Level 2	
10,600.00	6,948.44	10,733.38	7,067.31	114.21	115.11	131.98	-121.69	-2,598.42	177.71	-0.74	178.45	0.996	Level 1	
10,700.00	6,948.70	10,833.38	7,067.54	116.94	117.83	132.01	-122.21	-2,698.42	177.58	-5.05	182.62	0.972	Level 1	
10,800.00	6,948.97	10,933.38	7,067.77	119.67	120.56	132.03	-122.73	-2,798.42	177.44	-9.36	186.81	0.950	Level 1	
10,900.00	6,949.24	11,033.38	7,068.00	122.41	123.29	132.06	-123.26	-2,898.42	177.31	-13.69	191.00	0.928	Level 1	
11,000.00	6,949.50	11,133.38	7,068.24	125.15	126.03	132.08	-123.78	-2,998.41	177.17	-18.02	195.19	0.908	Level 1	
11,100.00	6,949.77	11,233.38	7,068.47	127.90	128.78	132.10	-124.31	-3,098.41	177.04	-22.35	199.39	0.888	Level 1	
11,200.00	6,950.03	11,333.38	7,068.70	130.65	131.53	132.13	-124.83	-3,198.41	176.91	-26.69	203.59	0.869	Level 1	
11,300.00	6,950.30	11,433.38	7,068.93	133.41	134.29	132.15	-125.35	-3,298.41	176.77	-31.03	207.80	0.851	Level 1	
11,400.00	6,950.57	11,533.38	7,069.16	136.17	137.05	132.17	-125.88	-3,398.41	176.64	-35.37	212.01	0.833	Level 1	
11,500.00	6,950.83	11,633.38	7,069.39	138.94	139.81	132.20	-126.40	-3,498.41	176.50	-39.72	216.22	0.816	Level 1	
11,600.00	6,951.10	11,733.38	7,069.62	141.71	142.58	132.22	-126.93	-3,598.40	176.37	-44.07	220.44	0.800	Level 1	
11,700.00	6,951.36	11,833.38	7,069.85	144.48	145.35	132.25	-127.45	-3,698.40	176.24	-48.42	224.66	0.784	Level 1	
11,800.00	6,951.63	11,933.38	7,070.08	147.26	148.12	132.27	-127.97	-3,798.40	176.10	-52.78	228.88	0.769	Level 1	
11,900.00	6,951.90	12,033.38	7,070.31	150.03	150.90	132.29	-128.50	-3,898.40	175.97	-57.13	233.10	0.755	Level 1	
12,000.00	6,952.16	12,133.38	7,070.54	152.82	153.68	132.32	-129.02	-3,998.40	175.83	-61.49	237.33	0.741	Level 1	
12,100.00	6,952.43	12,233.38	7,070.77	155.60	156.46	132.34	-129.55	-4,098.40	175.70	-65.85	241.55	0.727	Level 1	
12,200.00	6,952.69	12,333.38	7,071.00	158.39	159.25	132.37	-130.07	-4,198.39	175.57	-70.21	245.78	0.714	Level 1	
12,300.00	6,952.96	12,433.38	7,071.23	161.18	162.04	132.39	-130.59	-4,298.39	175.43	-74.57	250.01	0.702	Level 1	
12,400.00	6,953.23	12,533.38	7,071.46	163.97	164.83	132.41	-131.12	-4,398.39	175.30	-78.93	254.23	0.690	Level 1	
12,500.00	6,953.49	12,633.38	7,071.69	166.77	167.62	132.44	-131.64	-4,498.39	175.16	-83.30	258.46	0.678	Level 1	
12,600.00	6,953.76	12,733.38	7,071.92	169.56	170.41	132.46	-132.17	-4,598.39	175.03	-87.66	262.69	0.666	Level 1	
12,700.00	6,954.02	12,833.38	7,072.15	172.36	173.21	132.49	-132.69	-4,698.38	174.90	-92.02	266.92	0.655	Level 1	
12,800.00	6,954.29	12,933.38	7,072.38	175.16	176.01	132.51	-133.21	-4,798.38	174.76	-96.39	271.15	0.645	Level 1	
12,900.00	6,954.56	13,033.38	7,072.62	177.97	178.81	132.54	-133.74	-4,898.38	174.63	-100.75	275.38	0.634	Level 1	
13,000.00	6,954.82	13,133.38	7,072.85	180.77	181.61	132.56	-134.26	-4,998.38	174.50	-105.11	279.61	0.624	Level 1	
13,100.00	6,955.09	13,233.38	7,073.08	183.58	184.42	132.58	-134.79	-5,098.38	174.36	-109.47	283.84	0.614	Level 1	
13,200.00	6,955.35	13,333.38	7,073.31	186.38	187.22	132.61	-135.31	-5,198.38	174.23	-113.83	288.06	0.605	Level 1	
13,300.00	6,955.62	13,433.38	7,073.54	189.19	190.03	132.63	-135.83	-5,298.37	174.10	-118.19	292.29	0.596	Level 1	
13,400.00	6,955.89	13,533.38	7,073.77	192.00	192.84	132.66	-136.36	-5,398.37	173.96	-122.55	296.52	0.587	Level 1	
13,500.00	6,956.15	13,633.38	7,074.00	194.82	195.65	132.68	-136.88	-5,498.37	173.83	-126.91	300.74	0.578	Level 1	
13,600.00	6,956.42	13,733.38	7,074.23	197.63	198.46	132.71	-137.41	-5,598.37	173.70	-131.27	304.97	0.570	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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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-9B-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	13,833.38	7,074.46	200.44	201.28	132.73	-137.93	-5,698.37	173.56	-135.63	309.19	0.561	Level 1	
13,800.00	6,956.95	13,933.38	7,074.69	203.26	204.09	132.76	-138.45	-5,798.37	173.43	-139.98	313.41	0.553	Level 1	
13,900.00	6,957.22	14,033.38	7,074.92	206.08	206.91	132.78	-138.98	-5,898.36	173.30	-144.34	317.63	0.546	Level 1	
14,000.00	6,957.48	14,133.38	7,075.15	208.89	209.72	132.81	-139.50	-5,998.36	173.16	-148.69	321.85	0.538	Level 1	
14,100.00	6,957.75	14,233.38	7,075.38	211.71	212.54	132.83	-140.03	-6,098.36	173.03	-153.04	326.07	0.531	Level 1	
14,200.00	6,958.02	14,333.38	7,075.61	214.53	215.36	132.86	-140.55	-6,198.36	172.90	-157.39	330.29	0.523	Level 1	
14,300.00	6,958.28	14,433.38	7,075.84	217.36	218.18	132.88	-141.07	-6,298.36	172.76	-161.74	334.50	0.516	Level 1	
14,400.00	6,958.55	14,533.38	7,076.07	220.18	221.00	132.91	-141.60	-6,398.36	172.63	-166.09	338.72	0.510	Level 1	
14,500.00	6,958.81	14,633.38	7,076.30	223.00	223.82	132.93	-142.12	-6,498.35	172.50	-170.43	342.93	0.503	Level 1	
14,600.00	6,959.08	14,733.38	7,076.53	225.83	226.65	132.96	-142.65	-6,598.35	172.36	-174.77	347.14	0.497	Level 1	
14,700.00	6,959.35	14,833.38	7,076.77	228.65	229.47	132.98	-143.17	-6,698.35	172.23	-179.11	351.35	0.490	Level 1	
14,800.00	6,959.61	14,933.38	7,077.00	231.48	232.29	133.01	-143.69	-6,798.35	172.10	-183.45	355.55	0.484	Level 1	
14,900.00	6,959.88	15,033.38	7,077.23	234.30	235.12	133.03	-144.22	-6,898.35	171.97	-187.79	359.76	0.478	Level 1	
15,000.00	6,960.14	15,133.37	7,077.46	237.13	237.95	133.06	-144.74	-6,998.34	171.83	-192.13	363.96	0.472	Level 1	
15,100.00	6,960.41	15,233.37	7,077.69	239.96	240.77	133.08	-145.27	-7,098.34	171.70	-196.46	368.16	0.466	Level 1	
15,200.00	6,960.68	15,333.37	7,077.92	242.79	243.60	133.11	-145.79	-7,198.34	171.57	-200.79	372.36	0.461	Level 1	
15,300.00	6,960.94	15,433.37	7,078.15	245.62	246.43	133.13	-146.31	-7,298.34	171.43	-205.12	376.56	0.455	Level 1	
15,400.00	6,961.21	15,533.37	7,078.38	248.45	249.26	133.16	-146.84	-7,398.34	171.30	-209.45	380.75	0.450	Level 1	
15,500.00	6,961.47	15,633.37	7,078.61	251.28	252.09	133.18	-147.36	-7,498.34	171.17	-213.77	384.94	0.445	Level 1	
15,600.00	6,961.74	15,733.37	7,078.84	254.11	254.92	133.21	-147.89	-7,598.33	171.04	-218.10	389.13	0.440	Level 1	
15,700.00	6,962.01	15,833.37	7,079.07	256.94	257.75	133.23	-148.41	-7,698.33	170.90	-222.42	393.32	0.435	Level 1	
15,800.00	6,962.27	15,933.37	7,079.30	259.77	260.58	133.26	-148.93	-7,798.33	170.77	-226.73	397.50	0.430	Level 1	
15,900.00	6,962.54	16,033.37	7,079.53	262.61	263.41	133.28	-149.46	-7,898.33	170.64	-231.05	401.69	0.425	Level 1	
16,000.00	6,962.80	16,133.37	7,079.76	265.44	266.25	133.31	-149.98	-7,998.33	170.50	-235.36	405.87	0.420	Level 1	
16,100.00	6,963.07	16,233.37	7,079.99	268.28	269.08	133.34	-150.51	-8,098.33	170.37	-239.67	410.05	0.415	Level 1	
16,200.00	6,963.34	16,333.37	7,080.22	271.11	271.91	133.36	-151.03	-8,198.32	170.24	-243.98	414.22	0.411	Level 1	
16,300.00	6,963.60	16,433.37	7,080.45	273.95	274.75	133.39	-151.55	-8,298.32	170.11	-248.29	418.39	0.407	Level 1	
16,400.00	6,963.87	16,533.37	7,080.68	276.78	277.58	133.41	-152.08	-8,398.32	169.97	-252.59	422.56	0.402	Level 1	
16,500.00	6,964.13	16,633.37	7,080.91	279.62	280.42	133.44	-152.60	-8,498.32	169.84	-256.89	426.73	0.398	Level 1	
16,600.00	6,964.40	16,733.37	7,081.15	282.46	283.25	133.46	-153.13	-8,598.32	169.71	-261.19	430.90	0.394	Level 1	
16,700.00	6,964.67	16,833.37	7,081.38	285.29	286.09	133.49	-153.65	-8,698.31	169.58	-265.48	435.06	0.390	Level 1	
16,800.00	6,964.93	16,933.37	7,081.61	288.13	288.93	133.52	-154.17	-8,798.31	169.45	-269.78	439.22	0.386	Level 1	
16,900.00	6,965.20	17,033.37	7,081.84	290.97	291.76	133.54	-154.70	-8,898.31	169.31	-274.07	443.38	0.382	Level 1	
17,000.00	6,965.46	17,133.37	7,082.07	293.81	294.60	133.57	-155.22	-8,998.31	169.18	-278.35	447.53	0.378	Level 1	
17,100.00	6,965.73	17,233.37	7,082.30	296.65	297.44	133.59	-155.75	-9,098.31	169.05	-282.64	451.69	0.374	Level 1	
17,200.00	6,966.00	17,333.37	7,082.53	299.49	300.28	133.62	-156.27	-9,198.31	168.92	-286.92	455.83	0.371	Level 1	
17,300.00	6,966.26	17,433.37	7,082.76	302.32	303.12	133.65	-156.79	-9,298.30	168.78	-291.20	459.98	0.367	Level 1	
17,400.00	6,966.53	17,533.37	7,082.99	305.16	305.95	133.67	-157.32	-9,398.30	168.65	-295.47	464.12	0.363	Level 1	
17,500.00	6,966.80	17,633.37	7,083.22	308.00	308.79	133.70	-157.84	-9,498.30	168.52	-299.75	468.27	0.360	Level 1	
17,600.00	6,967.06	17,733.37	7,083.45	310.85	311.63	133.72	-158.37	-9,598.30	168.39	-304.02	472.40	0.356	Level 1	
17,700.00	6,967.33	17,833.37	7,083.68	313.69	314.47	133.75	-158.89	-9,698.30	168.26	-308.28	476.54	0.353	Level 1	
17,800.00	6,967.59	17,933.37	7,083.91	316.53	317.31	133.78	-159.41	-9,798.30	168.12	-312.55	480.67	0.350	Level 1	
17,900.00	6,967.86	18,033.37	7,084.14	319.37	320.16	133.80	-159.94	-9,898.29	167.99	-316.81	484.80	0.347	Level 1	
18,000.00	6,968.13	18,133.37	7,084.37	322.21	323.00	133.83	-160.46	-9,998.29	167.86	-321.07	488.93	0.343	Level 1	
18,100.00	6,968.39	18,233.37	7,084.60	325.05	325.84	133.86	-160.99	-10,098.29	167.73	-325.32	493.05	0.340	Level 1	
18,200.00	6,968.66	18,333.37	7,084.83	327.90	328.68	133.88	-161.51	-10,198.29	167.60	-329.57	497.17	0.337	Level 1	
18,300.00	6,968.92	18,433.37	7,085.06	330.74	331.52	133.91	-162.03	-10,298.29	167.47	-333.82	501.29	0.334	Level 1	
18,400.00	6,969.19	18,533.37	7,085.30	333.58	334.36	133.94	-162.56	-10,398.28	167.33	-338.07	505.40	0.331	Level 1	
18,500.00	6,969.46	18,633.37	7,085.53	336.43	337.21	133.96	-163.08	-10,498.28	167.20	-342.31	509.51	0.328	Level 1	
18,600.00	6,969.72	18,733.37	7,085.76	339.27	340.05	133.99	-163.61	-10,598.28	167.07	-346.55	513.62	0.325	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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
18,704.56	6,970.00	18,837.93	7,086.00	342.24	343.02	134.02	-164.15	-10,702.84	166.93	-350.98	517.91	0.322	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-29.87	-0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-29.87	-0.28	29.87	23.31	6.57	4.548		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-29.87	-0.28	29.87	23.20	6.67	4.476 CC		
300.00	299.98	299.49	299.47	3.44	3.44	80.92	-30.74	1.22	30.44	23.56	6.88	4.422		
400.00	399.84	398.95	398.79	3.60	3.59	81.98	-33.33	5.70	32.15	24.96	7.20	4.468		
500.00	499.45	498.37	497.83	3.80	3.80	83.51	-37.64	13.17	35.02	27.42	7.60	4.607		
600.00	598.70	597.73	596.46	4.05	4.04	85.27	-43.66	23.59	39.07	30.98	8.09	4.828		
700.00	697.47	697.01	694.52	4.33	4.32	87.04	-51.38	36.97	44.31	35.65	8.66	5.115		
803.50	799.05	799.65	795.28	4.67	4.65	88.74	-61.14	53.87	50.99	41.66	9.33	5.464		
900.00	893.41	904.56	888.67	5.02	5.04	88.84	-71.80	72.33	58.34	48.28	10.06	5.801		
1,000.00	991.20	1,004.87	985.67	5.41	5.43	88.28	-83.27	92.21	66.23	55.40	10.83	6.117		
1,100.00	1,088.99	1,105.19	1,082.68	5.81	5.85	87.84	-94.75	112.08	74.13	62.49	11.64	6.369		
1,200.00	1,186.78	1,205.50	1,179.69	6.23	6.29	87.48	-106.22	131.96	82.03	69.54	12.48	6.571		
1,300.00	1,284.57	1,305.82	1,276.70	6.67	6.74	87.19	-117.69	151.83	89.93	76.58	13.35	6.735		
1,400.00	1,382.36	1,406.13	1,373.71	7.12	7.21	86.94	-129.17	171.71	97.84	83.59	14.25	6.867		
1,500.00	1,480.15	1,506.44	1,470.72	7.57	7.68	86.74	-140.64	191.58	105.74	90.58	15.16	6.976		
1,600.00	1,577.94	1,606.76	1,567.73	8.03	8.16	86.56	-152.12	211.46	113.65	97.57	16.08	7.066		
1,700.00	1,675.73	1,707.07	1,664.73	8.50	8.65	86.40	-163.59	231.33	121.56	104.54	17.02	7.141		
1,800.00	1,773.52	1,807.38	1,761.74	8.98	9.14	86.26	-175.07	251.21	129.47	111.50	17.97	7.204		
1,900.00	1,871.31	1,907.70	1,858.75	9.45	9.64	86.14	-186.54	271.08	137.38	118.45	18.93	7.257		
2,000.00	1,969.10	2,008.01	1,955.76	9.94	10.14	86.03	-198.02	290.96	145.29	125.39	19.90	7.303		
2,100.00	2,066.88	2,108.33	2,052.77	10.42	10.65	85.94	-209.49	310.83	153.20	132.33	20.87	7.342		
2,200.00	2,164.67	2,208.64	2,149.78	10.91	11.16	85.85	-220.97	330.71	161.11	139.27	21.85	7.375		
2,300.00	2,262.46	2,308.95	2,246.79	11.40	11.67	85.77	-232.44	350.58	169.02	146.19	22.83	7.404		
2,400.00	2,360.25	2,390.73	2,343.79	11.89	12.09	85.70	-243.92	370.46	176.94	153.21	23.72	7.458		
2,500.00	2,458.04	2,509.58	2,440.80	12.39	12.70	85.63	-255.39	390.33	184.85	160.04	24.81	7.451		
2,600.00	2,555.83	2,609.89	2,537.81	12.88	13.21	85.57	-266.87	410.21	192.76	166.96	25.80	7.471		
2,700.00	2,653.62	2,689.79	2,634.82	13.38	13.62	85.51	-278.34	430.08	200.67	173.98	26.70	7.517		
2,800.00	2,751.41	2,789.48	2,731.83	13.88	14.14	85.46	-289.82	449.96	208.59	180.89	27.69	7.532		
2,900.00	2,849.20	2,889.16	2,828.84	14.38	14.66	85.41	-301.29	469.83	216.50	187.81	28.69	7.545		
3,000.00	2,946.99	2,988.85	2,925.85	14.88	15.18	85.37	-312.77	489.71	224.41	194.72	29.70	7.557		
3,100.00	3,044.78	3,088.54	3,022.85	15.38	15.70	85.33	-324.24	509.58	232.33	201.63	30.70	7.568		
3,200.00	3,142.57	3,188.22	3,119.86	15.89	16.22	85.29	-335.72	529.46	240.24	208.53	31.70	7.577		
3,300.00	3,240.36	3,287.91	3,216.87	16.39	16.74	85.25	-347.19	549.33	248.15	215.44	32.71	7.586		
3,400.00	3,338.15	3,387.60	3,313.88	16.89	17.26	85.22	-358.67	569.21	256.07	222.35	33.72	7.594		
3,500.00	3,435.93	3,487.28	3,410.89	17.40	17.78	85.19	-370.14	589.08	263.98	229.25	34.73	7.601		
3,600.00	3,533.72	3,586.97	3,507.90	17.90	18.31	85.16	-381.62	608.96	271.89	236.15	35.74	7.607		
3,700.00	3,631.51	3,686.65	3,604.91	18.41	18.83	85.13	-393.09	628.83	279.81	243.05	36.75	7.613		
3,800.00	3,729.30	3,786.34	3,701.91	18.92	19.35	85.10	-404.57	648.71	287.72	249.96	37.77	7.618		
3,900.00	3,827.09	3,886.03	3,798.92	19.42	19.88	85.08	-416.04	668.58	295.64	256.86	38.78	7.623		
4,000.00	3,924.88	3,985.71	3,895.93	19.93	20.40	85.05	-427.52	688.46	303.55	263.75	39.80	7.628		
4,100.00	4,022.67	4,085.40	3,992.94	20.44	20.93	85.03	-438.99	708.34	311.47	270.65	40.81	7.632		
4,200.00	4,120.46	4,185.09	4,089.95	20.95	21.45	85.01	-450.47	728.21	319.38	277.55	41.83	7.635		
4,300.00	4,218.25	4,284.77	4,186.96	21.46	21.98	84.99	-461.94	748.09	327.29	284.45	42.85	7.639		
4,400.00	4,316.04	4,384.46	4,283.97	21.97	22.51	84.97	-473.42	767.96	335.21	291.34	43.87	7.642		
4,500.00	4,413.83	4,484.14	4,380.97	22.48	23.03	84.95	-484.89	787.84	343.12	298.24	44.88	7.645		
4,600.00	4,511.62	4,583.83	4,477.98	22.99	23.56	84.93	-496.37	807.71	351.04	305.13	45.90	7.647		
4,700.00	4,609.41	4,683.52	4,574.99	23.50	24.09	84.91	-507.84	827.59	358.95	312.03	46.92	7.650		
4,800.00	4,707.20	4,783.20	4,672.00	24.01	24.62	84.90	-519.32	847.46	366.87	318.92	47.94	7.652		
4,900.00	4,804.98	4,882.89	4,769.01	24.52	25.15	84.88	-530.79	867.34	374.78	325.82	48.96	7.654		
5,000.00	4,902.77	4,982.58	4,866.02	25.03	25.67	84.87	-542.26	887.21	382.69	332.71	49.99	7.656		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,082.26	4,963.03	25.54	26.20	84.85	-553.74	907.09	390.61	339.60	51.01	7.658		
5,200.00	5,098.35	5,181.95	5,060.03	26.05	26.73	84.84	-565.21	926.96	398.52	346.49	52.03	7.660		
5,300.00	5,196.14	5,281.64	5,157.04	26.56	27.26	84.82	-576.69	946.84	406.44	353.39	53.05	7.661		
5,400.00	5,293.93	5,381.32	5,254.05	27.07	27.79	84.81	-588.16	966.71	414.35	360.28	54.08	7.663		
5,500.00	5,391.72	5,481.01	5,351.06	27.58	28.32	84.80	-599.64	986.59	422.27	367.17	55.10	7.664		
5,600.00	5,489.51	5,580.69	5,448.07	28.09	28.85	84.79	-611.11	1,006.46	430.18	374.06	56.12	7.665		
5,700.00	5,587.30	5,680.38	5,545.08	28.61	29.38	84.78	-622.59	1,026.34	438.10	380.95	57.15	7.666		
5,800.00	5,685.09	5,780.07	5,642.09	29.12	29.91	84.77	-634.06	1,046.21	446.01	387.84	58.17	7.667		
5,900.00	5,782.88	5,879.75	5,739.09	29.63	30.44	84.75	-645.54	1,066.09	453.93	394.73	59.19	7.668		
6,000.00	5,880.67	5,979.44	5,836.10	30.14	30.97	84.74	-657.01	1,085.96	461.84	401.62	60.22	7.669		
6,100.00	5,978.46	6,079.13	5,933.11	30.65	31.50	84.73	-668.49	1,105.84	469.76	408.51	61.24	7.670		
6,200.00	6,076.25	6,178.81	6,030.12	31.17	32.03	84.72	-679.96	1,125.71	477.67	415.40	62.27	7.671		
6,298.86	6,172.96	6,277.36	6,126.02	31.67	32.55	84.72	-691.31	1,145.36	485.50	422.21	63.28	7.672		
6,300.00	6,174.03	6,278.50	6,127.13	31.68	32.56	84.64	-691.44	1,145.59	485.59	422.29	63.29	7.672		
6,350.00	6,223.30	6,328.30	6,175.59	31.92	32.82	78.59	-697.17	1,155.52	489.36	425.58	63.78	7.673		
6,400.00	6,273.06	6,377.81	6,223.77	32.13	33.08	56.80	-702.87	1,165.39	492.82	428.61	64.20	7.676		
6,450.00	6,323.01	6,426.73	6,271.38	32.32	33.34	-34.42	-708.50	1,175.14	496.07	431.51	64.56	7.684		
6,500.00	6,372.84	6,474.75	6,318.11	32.48	33.60	-67.89	-714.03	1,184.71	499.33	434.46	64.87	7.697		
6,550.00	6,422.24	6,521.60	6,363.70	32.65	33.85	-77.16	-719.42	1,194.06	502.87	437.72	65.14	7.719		
6,600.00	6,470.92	6,569.95	6,411.09	32.83	34.09	-82.18	-724.94	1,201.83	506.89	441.48	65.41	7.749		
6,650.00	6,518.56	6,619.86	6,460.49	33.01	34.31	-85.70	-730.53	1,206.04	511.37	445.68	65.68	7.785		
6,700.00	6,564.89	6,671.48	6,511.79	33.21	34.50	-88.55	-736.15	1,206.28	516.26	450.30	65.95	7.828		
6,750.00	6,609.60	6,724.98	6,564.82	33.43	34.68	-91.03	-741.77	1,202.13	521.49	455.28	66.22	7.876		
6,800.00	6,652.43	6,780.55	6,619.35	33.66	34.85	-93.27	-747.35	1,193.10	527.01	460.53	66.47	7.928		
6,850.00	6,693.10	6,838.35	6,675.03	33.91	35.04	-95.35	-752.81	1,178.68	532.69	465.98	66.71	7.985		
6,900.00	6,731.38	6,898.55	6,731.42	34.20	35.24	-97.30	-758.10	1,158.34	538.44	471.52	66.92	8.046		
6,950.00	6,767.02	6,961.31	6,787.92	34.51	35.46	-99.14	-763.11	1,131.54	544.11	477.01	67.10	8.109		
7,000.00	6,799.81	7,026.74	6,843.76	34.85	35.73	-100.86	-767.76	1,097.81	549.57	482.32	67.25	8.172		
7,050.00	6,829.54	7,094.90	6,897.98	35.24	36.03	-102.47	-771.91	1,056.76	554.64	487.25	67.39	8.230		
7,100.00	6,856.03	7,165.79	6,949.42	35.66	36.41	-103.95	-775.42	1,008.18	559.15	491.57	67.58	8.274		
7,150.00	6,879.11	7,239.29	6,996.78	36.12	36.86	-105.28	-778.17	952.09	562.95	495.07	67.88	8.293		
7,200.00	6,898.65	7,315.17	7,038.61	36.62	37.41	-106.44	-780.00	888.85	565.85	497.47	68.38	8.275		
7,250.00	6,914.51	7,393.10	7,073.49	37.15	38.06	-107.42	-780.79	819.23	567.71	498.55	69.16	8.209		
7,300.00	6,926.62	7,472.58	7,100.11	37.73	38.83	-108.19	-780.45	744.40	568.41	498.12	70.29	8.086		
7,350.00	6,934.88	7,553.02	7,117.41	38.34	39.70	-108.73	-778.94	665.90	567.86	496.07	71.79	7.910		
7,400.00	6,939.26	7,633.78	7,124.75	38.97	40.65	-109.03	-776.25	585.58	566.01	492.37	73.64	7.686		
7,429.12	6,940.00	7,669.11	7,125.04	39.34	41.09	-109.15	-774.75	550.29	564.54	490.01	74.53	7.575		
7,500.00	6,940.19	7,739.91	7,125.21	40.31	42.04	-109.26	-771.70	479.55	561.39	485.05	76.34	7.354		
7,600.00	6,940.46	7,839.80	7,125.45	41.80	43.49	-109.41	-767.39	379.76	556.96	477.84	79.13	7.039		
7,700.00	6,940.72	7,939.69	7,125.69	43.43	45.09	-109.57	-763.09	279.96	552.54	470.37	82.16	6.725		
7,800.00	6,940.99	8,039.58	7,125.93	45.19	46.81	-109.73	-758.78	180.16	548.11	462.68	85.43	6.416		
7,900.00	6,941.25	8,139.47	7,126.17	47.05	48.64	-109.90	-754.47	80.37	543.69	454.80	88.89	6.116		
8,000.00	6,941.52	8,239.36	7,126.41	49.02	50.58	-110.06	-750.17	-19.43	539.28	446.75	92.53	5.828		
8,100.00	6,941.79	8,339.25	7,126.65	51.06	52.60	-110.23	-745.86	-119.23	534.87	438.56	96.31	5.554		
8,200.00	6,942.05	8,439.14	7,126.89	53.18	54.70	-110.41	-741.55	-219.02	530.47	430.23	100.23	5.292		
8,300.00	6,942.32	8,539.03	7,127.13	55.37	56.87	-110.58	-737.25	-318.82	526.07	421.80	104.27	5.045		
8,400.00	6,942.58	8,638.92	7,127.37	57.62	59.10	-110.76	-732.94	-418.62	521.67	413.27	108.40	4.812		
8,500.00	6,942.85	8,731.67	7,127.59	59.92	61.21	-110.92	-729.25	-511.30	517.62	405.23	112.39	4.606		
8,600.00	6,943.12	8,817.24	7,127.80	62.26	63.19	-110.97	-728.10	-596.86	516.01	399.78	116.22	4.440		
8,607.87	6,943.14	8,823.98	7,127.81	62.45	63.34	-110.97	-728.12	-603.60	516.00	399.47	116.53	4.428		

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 (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	8,913.23	7,128.03	64.65	65.44	-110.95	-728.95	-692.85	516.46	395.88	120.58	4.283		
8,800.00	6,943.65	9,013.23	7,128.27	67.08	67.82	-110.92	-729.93	-792.84	517.01	391.85	125.17	4.131		
8,900.00	6,943.91	9,113.23	7,128.51	69.53	70.23	-110.90	-730.91	-892.83	517.57	387.75	129.83	3.987		
9,000.00	6,944.18	9,213.23	7,128.75	72.02	72.68	-110.87	-731.89	-992.82	518.13	383.59	134.54	3.851		
9,100.00	6,944.45	9,313.23	7,128.99	74.54	75.16	-110.84	-732.87	-1,092.82	518.69	379.38	139.30	3.723		
9,200.00	6,944.71	9,413.23	7,129.22	77.07	77.66	-110.82	-733.85	-1,192.81	519.24	375.13	144.12	3.603		
9,300.00	6,944.98	9,513.22	7,129.46	79.63	80.19	-110.79	-734.84	-1,292.80	519.80	370.83	148.97	3.489		
9,400.00	6,945.24	9,613.22	7,129.70	82.21	82.74	-110.76	-735.82	-1,392.80	520.36	366.50	153.86	3.382		
9,500.00	6,945.51	9,713.22	7,129.94	84.81	85.31	-110.74	-736.80	-1,492.79	520.92	362.12	158.79	3.280		
9,600.00	6,945.78	9,813.22	7,130.18	87.43	87.90	-110.71	-737.78	-1,592.78	521.48	357.72	163.75	3.185		
9,700.00	6,946.04	9,913.22	7,130.42	90.05	90.51	-110.68	-738.76	-1,692.78	522.03	353.29	168.74	3.094		
9,800.00	6,946.31	10,013.21	7,130.66	92.70	93.13	-110.66	-739.75	-1,792.77	522.59	348.83	173.76	3.008		
9,900.00	6,946.57	10,113.21	7,130.90	95.35	95.76	-110.63	-740.73	-1,892.76	523.15	344.35	178.80	2.926		
10,000.00	6,946.84	10,213.21	7,131.14	98.02	98.41	-110.61	-741.71	-1,992.76	523.71	339.84	183.87	2.848		
10,100.00	6,947.11	10,313.21	7,131.38	100.70	101.06	-110.58	-742.69	-2,092.75	524.27	335.31	188.96	2.775		
10,200.00	6,947.37	10,413.21	7,131.62	103.38	103.73	-110.55	-743.67	-2,192.74	524.82	330.76	194.06	2.704		
10,300.00	6,947.64	10,513.20	7,131.86	106.08	106.41	-110.53	-744.66	-2,292.73	525.38	326.20	199.19	2.638		
10,400.00	6,947.90	10,613.20	7,132.10	108.78	109.10	-110.50	-745.64	-2,392.73	525.94	321.61	204.33	2.574		
10,500.00	6,948.17	10,713.20	7,132.34	111.49	111.80	-110.48	-746.62	-2,492.72	526.50	317.01	209.49	2.513		
10,600.00	6,948.44	10,813.20	7,132.58	114.21	114.50	-110.45	-747.60	-2,592.71	527.06	312.40	214.66	2.455		
10,700.00	6,948.70	10,913.20	7,132.82	116.94	117.21	-110.42	-748.58	-2,692.71	527.62	307.77	219.85	2.400		
10,800.00	6,948.97	11,013.20	7,133.06	119.67	119.93	-110.40	-749.56	-2,792.70	528.18	303.13	225.05	2.347		
10,900.00	6,949.24	11,113.19	7,133.30	122.41	122.65	-110.37	-750.55	-2,892.69	528.74	298.48	230.26	2.296		
11,000.00	6,949.50	11,213.19	7,133.54	125.15	125.38	-110.35	-751.53	-2,992.69	529.30	293.81	235.48	2.248		
11,100.00	6,949.77	11,313.19	7,133.78	127.90	128.12	-110.32	-752.51	-3,092.68	529.86	289.14	240.72	2.201		
11,200.00	6,950.03	11,413.19	7,134.02	130.65	130.86	-110.30	-753.49	-3,192.67	530.42	284.45	245.96	2.156		
11,300.00	6,950.30	11,513.19	7,134.26	133.41	133.61	-110.27	-754.47	-3,292.66	530.98	279.76	251.22	2.114		
11,400.00	6,950.57	11,613.18	7,134.49	136.17	136.36	-110.25	-755.46	-3,392.66	531.54	275.06	256.48	2.072		
11,500.00	6,950.83	11,713.18	7,134.73	138.94	139.11	-110.22	-756.44	-3,492.65	532.10	270.34	261.75	2.033		
11,600.00	6,951.10	11,813.18	7,134.97	141.71	141.87	-110.20	-757.42	-3,592.64	532.66	265.62	267.03	1.995		
11,700.00	6,951.36	11,913.18	7,135.21	144.48	144.63	-110.17	-758.40	-3,692.64	533.22	260.89	272.32	1.958		
11,800.00	6,951.63	12,013.18	7,135.45	147.26	147.40	-110.15	-759.38	-3,792.63	533.78	256.16	277.62	1.923		
11,900.00	6,951.90	12,113.18	7,135.69	150.03	150.17	-110.12	-760.36	-3,892.62	534.34	251.41	282.92	1.889		
12,000.00	6,952.16	12,213.17	7,135.93	152.82	152.94	-110.10	-761.35	-3,992.62	534.90	246.66	288.23	1.856		
12,100.00	6,952.43	12,313.17	7,136.17	155.60	155.72	-110.07	-762.33	-4,092.61	535.46	241.91	293.55	1.824		
12,200.00	6,952.69	12,413.17	7,136.41	158.39	158.50	-110.05	-763.31	-4,192.60	536.02	237.15	298.87	1.793		
12,300.00	6,952.96	12,513.17	7,136.65	161.18	161.28	-110.02	-764.29	-4,292.60	536.58	232.38	304.20	1.764		
12,400.00	6,953.23	12,613.17	7,136.89	163.97	164.06	-110.00	-765.27	-4,392.59	537.14	227.60	309.54	1.735		
12,500.00	6,953.49	12,713.16	7,137.13	166.77	166.85	-109.97	-766.26	-4,492.58	537.70	222.82	314.88	1.708		
12,600.00	6,953.76	12,813.16	7,137.37	169.56	169.64	-109.95	-767.24	-4,592.57	538.26	218.04	320.22	1.681		
12,700.00	6,954.02	12,913.16	7,137.61	172.36	172.43	-109.92	-768.22	-4,692.57	538.82	213.25	325.57	1.655		
12,800.00	6,954.29	13,013.16	7,137.85	175.16	175.22	-109.90	-769.20	-4,792.56	539.39	208.46	330.93	1.630		
12,900.00	6,954.56	13,113.16	7,138.09	177.97	178.02	-109.87	-770.18	-4,892.55	539.95	203.66	336.29	1.606		
13,000.00	6,954.82	13,213.16	7,138.33	180.77	180.82	-109.85	-771.16	-4,992.55	540.51	198.85	341.66	1.582		
13,100.00	6,955.09	13,313.15	7,138.57	183.58	183.62	-109.82	-772.15	-5,092.54	541.07	194.04	347.02	1.559		
13,200.00	6,955.35	13,413.15	7,138.81	186.38	186.42	-109.80	-773.13	-5,192.53	541.63	189.23	352.40	1.537		
13,300.00	6,955.62	13,513.15	7,139.05	189.19	189.22	-109.77	-774.11	-5,292.53	542.19	184.42	357.78	1.515		
13,400.00	6,955.89	13,613.15	7,139.29	192.00	192.02	-109.75	-775.09	-5,392.52	542.75	179.60	363.16	1.495 Level 3		
13,500.00	6,956.15	13,713.15	7,139.53	194.82	194.83	-109.73	-776.07	-5,492.51	543.32	174.77	368.54	1.474 Level 3		
13,600.00	6,956.42	13,813.14	7,139.77	197.63	197.64	-109.70	-777.06	-5,592.51	543.88	169.94	373.93	1.454 Level 3		
13,700.00	6,956.68	13,913.14	7,140.00	200.44	200.45	-109.68	-778.04	-5,692.50	544.44	165.11	379.33	1.435 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,800.00	6,956.95	14,013.14	7,140.24	203.26	203.26	-109.65	-779.02	-5,792.49	545.00	160.28	384.72	1.417	Level 3	
13,900.00	6,957.22	14,113.14	7,140.48	206.08	206.07	-109.63	-780.00	-5,892.48	545.57	155.44	390.12	1.398	Level 3	
14,000.00	6,957.48	14,213.14	7,140.72	208.89	208.88	-109.61	-780.98	-5,992.48	546.13	150.60	395.53	1.381	Level 3	
14,100.00	6,957.75	14,313.13	7,140.96	211.71	211.69	-109.58	-781.96	-6,092.47	546.69	145.76	400.93	1.364	Level 3	
14,200.00	6,958.02	14,413.13	7,141.20	214.53	214.51	-109.56	-782.95	-6,192.46	547.25	140.91	406.34	1.347	Level 3	
14,300.00	6,958.28	14,513.13	7,141.44	217.36	217.32	-109.53	-783.93	-6,292.46	547.82	136.06	411.76	1.330	Level 3	
14,400.00	6,958.55	14,613.13	7,141.68	220.18	220.14	-109.51	-784.91	-6,392.45	548.38	131.21	417.17	1.315	Level 3	
14,500.00	6,958.81	14,713.13	7,141.92	223.00	222.96	-109.49	-785.89	-6,492.44	548.94	126.35	422.59	1.299	Level 3	
14,600.00	6,959.08	14,813.13	7,142.16	225.83	225.78	-109.46	-786.87	-6,592.44	549.50	121.49	428.01	1.284	Level 3	
14,700.00	6,959.35	14,913.12	7,142.40	228.65	228.60	-109.44	-787.86	-6,692.43	550.07	116.63	433.44	1.269	Level 3	
14,800.00	6,959.61	15,013.12	7,142.64	231.48	231.42	-109.42	-788.84	-6,792.42	550.63	111.76	438.87	1.255	Level 3	
14,900.00	6,959.88	15,113.12	7,142.88	234.30	234.24	-109.39	-789.82	-6,892.41	551.19	106.90	444.30	1.241	Level 2	
15,000.00	6,960.14	15,213.12	7,143.12	237.13	237.06	-109.37	-790.80	-6,992.41	551.76	102.03	449.73	1.227	Level 2	
15,100.00	6,960.41	15,313.12	7,143.36	239.96	239.89	-109.35	-791.78	-7,092.40	552.32	97.16	455.16	1.213	Level 2	
15,200.00	6,960.68	15,413.11	7,143.60	242.79	242.71	-109.32	-792.77	-7,192.39	552.88	92.28	460.60	1.200	Level 2	
15,300.00	6,960.94	15,513.11	7,143.84	245.62	245.54	-109.30	-793.75	-7,292.39	553.45	87.41	466.04	1.188	Level 2	
15,400.00	6,961.21	15,613.11	7,144.08	248.45	248.36	-109.28	-794.73	-7,392.38	554.01	82.53	471.49	1.175	Level 2	
15,500.00	6,961.47	15,713.11	7,144.32	251.28	251.19	-109.25	-795.71	-7,492.37	554.58	77.65	476.93	1.163	Level 2	
15,600.00	6,961.74	15,813.11	7,144.56	254.11	254.02	-109.23	-796.69	-7,592.37	555.14	72.76	482.38	1.151	Level 2	
15,700.00	6,962.01	15,913.11	7,144.80	256.94	256.84	-109.21	-797.67	-7,692.36	555.70	67.88	487.83	1.139	Level 2	
15,800.00	6,962.27	16,013.10	7,145.04	259.77	259.67	-109.18	-798.66	-7,792.35	556.27	62.99	493.28	1.128	Level 2	
15,900.00	6,962.54	16,113.10	7,145.28	262.61	262.50	-109.16	-799.64	-7,892.35	556.83	58.10	498.73	1.116	Level 2	
16,000.00	6,962.80	16,213.10	7,145.51	265.44	265.33	-109.14	-800.62	-7,992.34	557.40	53.21	504.19	1.106	Level 2	
16,100.00	6,963.07	16,313.10	7,145.75	268.28	268.16	-109.11	-801.60	-8,092.33	557.96	48.31	509.65	1.095	Level 2	
16,200.00	6,963.34	16,413.10	7,145.99	271.11	270.99	-109.09	-802.58	-8,192.32	558.53	43.42	515.11	1.084	Level 2	
16,300.00	6,963.60	16,513.09	7,146.23	273.95	273.82	-109.07	-803.57	-8,292.32	559.09	38.52	520.57	1.074	Level 2	
16,400.00	6,963.87	16,613.09	7,146.47	276.78	276.65	-109.04	-804.55	-8,392.31	559.65	33.62	526.03	1.064	Level 2	
16,500.00	6,964.13	16,713.09	7,146.71	279.62	279.49	-109.02	-805.53	-8,492.30	560.22	28.72	531.50	1.054	Level 2	
16,600.00	6,964.40	16,813.09	7,146.95	282.46	282.32	-109.00	-806.51	-8,592.30	560.78	23.82	536.97	1.044	Level 2	
16,700.00	6,964.67	16,913.09	7,147.19	285.29	285.15	-108.98	-807.49	-8,692.29	561.35	18.91	542.44	1.035	Level 2	
16,800.00	6,964.93	17,013.09	7,147.43	288.13	287.99	-108.95	-808.47	-8,792.28	561.91	14.00	547.91	1.026	Level 2	
16,900.00	6,965.20	17,113.08	7,147.67	290.97	290.82	-108.93	-809.46	-8,892.28	562.48	9.09	553.38	1.016	Level 2	
17,000.00	6,965.46	17,213.08	7,147.91	293.81	293.66	-108.91	-810.44	-8,992.27	563.04	4.18	558.86	1.007	Level 2	
17,100.00	6,965.73	17,313.08	7,148.15	296.65	296.49	-108.89	-811.42	-9,092.26	563.61	-0.73	564.34	0.999	Level 1	
17,200.00	6,966.00	17,413.08	7,148.39	299.49	299.33	-108.86	-812.40	-9,192.26	564.18	-5.64	569.82	0.990	Level 1	
17,300.00	6,966.26	17,513.08	7,148.63	302.32	302.16	-108.84	-813.38	-9,292.25	564.74	-10.56	575.30	0.982	Level 1	
17,400.00	6,966.53	17,613.07	7,148.87	305.16	305.00	-108.82	-814.37	-9,392.24	565.31	-15.47	580.78	0.973	Level 1	
17,500.00	6,966.80	17,713.07	7,149.11	308.00	307.83	-108.80	-815.35	-9,492.23	565.87	-20.39	586.26	0.965	Level 1	
17,600.00	6,967.06	17,813.07	7,149.35	310.85	310.67	-108.77	-816.33	-9,592.23	566.44	-25.31	591.75	0.957	Level 1	
17,700.00	6,967.33	17,913.07	7,149.59	313.69	313.51	-108.75	-817.31	-9,692.22	567.00	-30.24	597.24	0.949	Level 1	
17,800.00	6,967.59	18,013.07	7,149.83	316.53	316.35	-108.73	-818.29	-9,792.21	567.57	-35.16	602.73	0.942	Level 1	
17,900.00	6,967.86	18,113.07	7,150.07	319.37	319.18	-108.71	-819.27	-9,892.21	568.14	-40.08	608.22	0.934	Level 1	
18,000.00	6,968.13	18,213.06	7,150.31	322.21	322.02	-108.69	-820.26	-9,992.20	568.70	-45.01	613.71	0.927	Level 1	
18,100.00	6,968.39	18,313.06	7,150.55	325.05	324.86	-108.66	-821.24	-10,092.19	569.27	-49.94	619.21	0.919	Level 1	
18,200.00	6,968.66	18,413.06	7,150.79	327.90	327.70	-108.64	-822.22	-10,192.19	569.83	-54.87	624.70	0.912	Level 1	
18,300.00	6,968.92	18,513.06	7,151.02	330.74	330.54	-108.62	-823.20	-10,292.18	570.40	-59.80	630.20	0.905	Level 1	
18,400.00	6,969.19	18,613.06	7,151.26	333.58	333.38	-108.60	-824.18	-10,392.17	570.97	-64.73	635.70	0.898	Level 1	
18,500.00	6,969.46	18,713.05	7,151.50	336.43	336.22	-108.58	-825.17	-10,492.16	571.53	-69.66	641.20	0.891	Level 1	
18,600.00	6,969.72	18,813.05	7,151.74	339.27	339.06	-108.55	-826.15	-10,592.16	572.10	-74.60	646.70	0.885	Level 1	
18,704.56	6,970.00	18,917.61	7,151.99	342.24	342.03	-108.53	-827.17	-10,696.71	572.69	-79.76	652.45	0.878	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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-179.36	-75.05	-0.83	75.06					
100.00	100.00	100.00	100.00	3.28	3.28	-179.36	-75.05	-0.83	75.06	68.49	6.57	11.425		
200.00	200.00	200.00	200.00	3.34	3.34	-179.36	-75.05	-0.83	75.06	68.38	6.67	11.246		
300.00	299.98	299.98	299.98	3.44	3.44	81.96	-75.05	-0.83	74.79	67.90	6.89	10.860		
323.44	323.40	322.99	322.98	3.47	3.48	82.59	-75.12	-0.77	74.73	67.78	6.95	10.753 CC, ES		
400.00	399.84	398.15	398.13	3.60	3.59	84.91	-76.27	0.33	75.36	68.17	7.19	10.476		
500.00	499.45	496.32	496.17	3.80	3.78	88.34	-79.92	3.80	78.14	70.55	7.59	10.294		
600.00	598.70	594.43	593.91	4.05	4.01	91.93	-86.00	9.59	83.24	75.17	8.07	10.314		
700.00	697.47	692.41	691.18	4.33	4.27	95.38	-94.48	17.67	90.72	82.10	8.62	10.518		
803.50	799.05	793.62	791.18	4.67	4.58	98.57	-105.77	28.42	100.98	91.71	9.27	10.893		
900.00	893.41	887.82	883.70	5.02	4.90	100.53	-118.57	40.61	112.51	102.58	9.93	11.327		
1,000.00	991.20	985.21	978.70	5.41	5.26	100.80	-134.11	55.41	125.92	115.25	10.67	11.802		
1,100.00	1,088.99	1,082.15	1,072.47	5.81	5.66	99.79	-151.89	72.34	140.77	129.32	11.45	12.292		
1,200.00	1,186.78	1,179.61	1,165.97	6.23	6.09	98.01	-171.80	91.30	156.99	144.72	12.27	12.790		
1,300.00	1,284.57	1,278.13	1,260.37	6.67	6.54	96.41	-192.21	110.74	173.55	160.41	13.13	13.214		
1,400.00	1,382.36	1,376.64	1,354.76	7.12	7.02	95.10	-212.63	130.18	190.21	176.19	14.02	13.570		
1,500.00	1,480.15	1,475.16	1,449.16	7.57	7.51	93.99	-233.05	149.63	206.96	192.04	14.92	13.870		
1,600.00	1,577.94	1,573.68	1,543.56	8.03	8.01	93.05	-253.47	169.07	223.77	207.92	15.84	14.126		
1,700.00	1,675.73	1,672.19	1,637.95	8.50	8.52	92.25	-273.88	188.51	240.62	223.85	16.77	14.344		
1,800.00	1,773.52	1,770.71	1,732.35	8.98	9.04	91.55	-294.30	207.96	257.52	239.80	17.72	14.532		
1,900.00	1,871.31	1,869.22	1,826.74	9.45	9.56	90.93	-314.72	227.40	274.46	255.78	18.68	14.695		
2,000.00	1,969.10	1,967.74	1,921.14	9.94	10.09	90.39	-335.14	246.84	291.42	271.78	19.64	14.837		
2,100.00	2,066.88	2,066.26	2,015.53	10.42	10.63	89.90	-355.55	266.29	308.40	287.79	20.61	14.962		
2,200.00	2,164.67	2,164.77	2,109.93	10.91	11.17	89.47	-375.97	285.73	325.40	303.81	21.59	15.072		
2,300.00	2,262.46	2,263.29	2,204.32	11.40	11.71	89.08	-396.39	305.17	342.42	319.84	22.57	15.169		
2,400.00	2,360.25	2,361.80	2,298.72	11.89	12.26	88.73	-416.81	324.62	359.45	335.89	23.56	15.256		
2,500.00	2,458.04	2,460.32	2,393.11	12.39	12.81	88.41	-437.22	344.06	376.49	351.94	24.55	15.333		
2,600.00	2,555.83	2,558.83	2,487.51	12.88	13.36	88.11	-457.64	363.50	393.55	368.00	25.55	15.403		
2,700.00	2,653.62	2,657.35	2,581.90	13.38	13.91	87.84	-478.06	382.95	410.61	384.06	26.55	15.466		
2,800.00	2,751.41	2,755.87	2,676.30	13.88	14.47	87.60	-498.48	402.39	427.68	400.13	27.55	15.523		
2,900.00	2,849.20	2,854.38	2,770.69	14.38	15.03	87.37	-518.89	421.83	444.76	416.20	28.56	15.575		
3,000.00	2,946.99	2,952.90	2,865.09	14.88	15.59	87.15	-539.31	441.28	461.85	432.28	29.56	15.622		
3,100.00	3,044.78	3,051.41	2,959.48	15.38	16.15	86.96	-559.73	460.72	478.94	448.36	30.57	15.665		
3,200.00	3,142.57	3,149.93	3,053.88	15.89	16.71	86.77	-580.15	480.16	496.03	464.45	31.59	15.704		
3,300.00	3,240.36	3,248.45	3,148.27	16.39	17.27	86.60	-600.56	499.61	513.13	480.53	32.60	15.741		
3,400.00	3,338.15	3,346.96	3,242.67	16.89	17.83	86.44	-620.98	519.05	530.24	496.62	33.61	15.774		
3,500.00	3,435.93	3,445.48	3,337.06	17.40	18.40	86.29	-641.40	538.49	547.35	512.72	34.63	15.805		
3,600.00	3,533.72	3,543.99	3,431.46	17.90	18.96	86.15	-661.82	557.94	564.46	528.81	35.65	15.834		
3,700.00	3,631.51	3,642.51	3,525.86	18.41	19.53	86.02	-682.23	577.38	581.57	544.90	36.67	15.861		
3,800.00	3,729.30	3,741.03	3,620.25	18.92	20.09	85.90	-702.65	596.82	598.69	561.00	37.69	15.885		
3,900.00	3,827.09	3,839.54	3,714.65	19.42	20.66	85.78	-723.07	616.27	615.81	577.10	38.71	15.908		
4,000.00	3,924.88	3,938.06	3,809.04	19.93	21.23	85.67	-743.49	635.71	632.93	593.20	39.73	15.930		
4,100.00	4,022.67	4,036.57	3,903.44	20.44	21.80	85.56	-763.90	655.15	650.06	609.30	40.76	15.950		
4,200.00	4,120.46	4,135.09	3,997.83	20.95	22.36	85.46	-784.32	674.60	667.19	625.41	41.78	15.969		
4,300.00	4,218.25	4,233.60	4,092.23	21.46	22.93	85.37	-804.74	694.04	684.31	641.51	42.80	15.987		
4,400.00	4,316.04	4,332.12	4,186.62	21.97	23.50	85.27	-825.16	713.48	701.45	657.62	43.83	16.004		
4,500.00	4,413.83	4,430.64	4,281.02	22.48	24.07	85.19	-845.57	732.93	718.58	673.72	44.86	16.020		
4,600.00	4,511.62	4,529.15	4,375.41	22.99	24.64	85.11	-865.99	752.37	735.71	689.83	45.88	16.035		
4,700.00	4,609.41	4,627.67	4,469.81	23.50	25.21	85.03	-886.41	771.81	752.85	705.94	46.91	16.049		
4,800.00	4,707.20	4,726.18	4,564.20	24.01	25.78	84.95	-906.83	791.26	769.98	722.04	47.94	16.062		
4,900.00	4,804.98	4,824.70	4,658.60	24.52	26.35	84.88	-927.24	810.70	787.12	738.15	48.97	16.075		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	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)			
5,000.00	4,902.77	4,923.22	4,752.99	25.03	26.93	84.81	-947.66	830.14	804.26	754.26	50.00	16.087		
5,100.00	5,000.56	5,021.73	4,847.39	25.54	27.50	84.75	-968.08	849.58	821.40	770.37	51.02	16.098		
5,200.00	5,098.35	5,120.25	4,941.78	26.05	28.07	84.68	-988.50	869.03	838.54	786.49	52.05	16.109		
5,300.00	5,196.14	5,218.76	5,036.18	26.56	28.64	84.62	-1,008.91	888.47	855.68	802.60	53.09	16.119		
5,400.00	5,293.93	5,317.28	5,130.57	27.07	29.21	84.56	-1,029.33	907.91	872.82	818.71	54.12	16.129		
5,500.00	5,391.72	5,415.79	5,224.97	27.58	29.78	84.51	-1,049.75	927.36	889.97	834.82	55.15	16.138		
5,600.00	5,489.51	5,514.31	5,319.36	28.09	30.36	84.45	-1,070.17	946.80	907.11	850.93	56.18	16.147		
5,700.00	5,587.30	5,612.83	5,413.76	28.61	30.93	84.40	-1,090.58	966.24	924.26	867.05	57.21	16.155		
5,800.00	5,685.09	5,711.34	5,508.16	29.12	31.50	84.35	-1,111.00	985.69	941.40	883.16	58.24	16.164		
5,900.00	5,782.88	5,809.86	5,602.55	29.63	32.08	84.30	-1,131.42	1,005.13	958.55	899.28	59.27	16.171		
6,000.00	5,880.67	5,908.37	5,696.95	30.14	32.65	84.26	-1,151.84	1,024.57	975.70	915.39	60.31	16.179		
6,100.00	5,978.46	6,006.89	5,791.34	30.65	33.22	84.21	-1,172.25	1,044.02	992.85	931.51	61.34	16.186		
6,200.00	6,076.25	6,105.41	5,885.74	31.17	33.80	84.17	-1,192.67	1,063.46	1,009.99	947.62	62.37	16.193		
6,298.86	6,172.92	6,202.80	5,979.06	31.67	34.36	84.13	-1,212.86	1,082.68	1,026.95	963.55	63.40	16.199		
6,300.00	6,174.03	6,203.92	5,980.13	31.68	34.37	84.06	-1,213.09	1,082.90	1,027.14	963.74	63.41	16.199		
6,350.00	6,223.30	6,253.14	6,027.29	31.92	34.66	78.54	-1,223.29	1,092.62	1,035.55	971.65	63.90	16.206		
6,400.00	6,273.06	6,302.07	6,074.17	32.13	34.94	57.53	-1,233.43	1,102.28	1,043.63	979.29	64.34	16.221		
6,450.00	6,323.01	6,350.41	6,120.49	32.32	35.22	-32.73	-1,243.45	1,111.82	1,051.39	986.66	64.73	16.243		
6,500.00	6,372.84	6,397.87	6,165.97	32.48	35.50	-65.03	-1,253.29	1,121.18	1,058.91	993.83	65.08	16.271		
6,550.00	6,422.24	6,444.15	6,210.31	32.65	35.77	-73.00	-1,262.88	1,130.32	1,066.27	1,000.87	65.41	16.302		
6,600.00	6,470.92	6,488.97	6,253.25	32.83	36.03	-76.66	-1,272.17	1,139.16	1,073.61	1,007.90	65.71	16.337		
6,650.00	6,518.56	6,532.04	6,294.53	33.01	36.28	-78.92	-1,281.09	1,147.66	1,081.08	1,015.08	66.00	16.379		
6,700.00	6,564.89	6,573.12	6,333.88	33.21	36.52	-80.56	-1,289.61	1,155.77	1,088.85	1,022.57	66.28	16.429		
6,750.00	6,609.60	6,611.93	6,371.07	33.43	36.75	-81.85	-1,297.65	1,163.43	1,097.11	1,030.58	66.53	16.490		
6,800.00	6,652.43	6,648.24	6,405.87	33.66	36.96	-82.88	-1,305.18	1,170.60	1,106.04	1,039.27	66.78	16.563		
6,850.00	6,693.10	6,681.84	6,438.06	33.91	37.15	-83.68	-1,312.14	1,177.23	1,115.84	1,048.83	67.01	16.652		
6,900.00	6,731.38	6,712.50	6,467.44	34.20	37.33	-84.25	-1,318.49	1,183.28	1,126.67	1,059.43	67.24	16.757		
6,950.00	6,767.02	6,742.80	6,496.48	34.51	37.51	-84.68	-1,324.77	1,189.19	1,138.67	1,071.18	67.49	16.873		
7,000.00	6,799.81	6,781.79	6,534.14	34.85	37.72	-85.36	-1,332.92	1,195.15	1,151.75	1,083.89	67.86	16.973		
7,050.00	6,829.54	6,824.13	6,575.35	35.24	37.93	-86.04	-1,341.82	1,198.93	1,165.80	1,097.52	68.29	17.073		
7,100.00	6,856.03	6,871.19	6,621.34	35.66	38.13	-86.80	-1,351.74	1,199.84	1,180.77	1,112.00	68.76	17.172		
7,150.00	6,879.11	6,925.19	6,674.01	36.12	38.33	-87.72	-1,363.10	1,196.60	1,196.52	1,127.25	69.27	17.272		
7,200.00	6,898.65	6,989.89	6,736.49	36.62	38.54	-88.96	-1,376.55	1,186.73	1,212.90	1,143.09	69.81	17.375		
7,250.00	6,914.51	7,072.06	6,813.89	37.15	38.76	-90.74	-1,393.19	1,164.93	1,229.60	1,159.27	70.33	17.484		
7,300.00	6,926.62	7,184.68	6,914.23	37.73	39.06	-93.41	-1,414.72	1,118.91	1,246.03	1,175.26	70.78	17.605		
7,350.00	6,934.88	7,352.89	7,045.58	38.34	39.59	-97.33	-1,442.79	1,018.45	1,260.98	1,189.74	71.23	17.702		
7,400.00	6,939.26	7,400.00	7,173.62	38.97	39.67	-101.27	-1,469.92	833.31	1,271.56	1,200.32	71.25	17.848		
7,429.12	6,940.00	7,429.12	7,227.64	39.34	39.53	-103.07	-1,481.07	642.69	1,274.05	1,202.48	71.57	17.801		
7,500.00	6,940.19	7,923.21	7,233.16	40.31	43.65	-103.30	-1,481.89	500.07	1,273.89	1,195.23	78.66	16.195		
7,600.00	6,940.46	8,023.21	7,233.41	41.80	44.87	-103.30	-1,481.67	400.07	1,273.31	1,191.80	81.51	15.622		
7,700.00	6,940.72	8,123.21	7,233.66	43.43	46.25	-103.31	-1,481.46	300.07	1,272.74	1,188.11	84.63	15.039		
7,800.00	6,940.99	8,223.21	7,233.91	45.19	47.79	-103.31	-1,481.25	200.07	1,272.16	1,184.16	88.00	14.457		
7,900.00	6,941.25	8,323.21	7,234.15	47.05	49.45	-103.32	-1,481.04	100.08	1,271.58	1,180.01	91.58	13.885		
8,000.00	6,941.52	8,423.20	7,234.40	49.02	51.24	-103.32	-1,480.83	0.08	1,271.01	1,175.66	95.35	13.329		
8,100.00	6,941.79	8,523.20	7,234.65	51.06	53.13	-103.33	-1,480.61	-99.92	1,270.43	1,171.13	99.30	12.794		
8,200.00	6,942.05	8,623.20	7,234.90	53.18	55.12	-103.33	-1,480.40	-199.92	1,269.86	1,166.46	103.40	12.281		
8,300.00	6,942.32	8,723.20	7,235.15	55.37	57.19	-103.34	-1,480.19	-299.91	1,269.28	1,161.66	107.63	11.793		
8,400.00	6,942.58	8,823.20	7,235.40	57.62	59.32	-103.34	-1,479.98	-399.91	1,268.71	1,156.73	111.98	11.330		
8,500.00	6,942.85	8,923.20	7,235.65	59.92	61.53	-103.35	-1,479.77	-499.91	1,268.13	1,151.70	116.43	10.892		
8,600.00	6,943.12	9,023.19	7,235.90	62.26	63.78	-103.35	-1,479.56	-599.91	1,267.56	1,146.58	120.98	10.477		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
8,700.00	6,943.38	9,123.19	7,236.14	64.65	66.09	-103.36	-1,479.34	-699.91	1,266.98	1,141.37	125.61	10.087		
8,800.00	6,943.65	9,223.19	7,236.39	67.08	68.44	-103.36	-1,479.13	-799.90	1,266.41	1,136.09	130.32	9.718		
8,900.00	6,943.91	9,323.19	7,236.64	69.53	70.83	-103.37	-1,478.92	-899.90	1,265.83	1,130.74	135.09	9.370		
9,000.00	6,944.18	9,423.19	7,236.89	72.02	73.25	-103.38	-1,478.71	-999.90	1,265.26	1,125.34	139.92	9.043		
9,100.00	6,944.45	9,523.19	7,237.14	74.54	75.71	-103.38	-1,478.50	-1,099.90	1,264.68	1,119.87	144.81	8.733		
9,200.00	6,944.71	9,623.18	7,237.39	77.07	78.20	-103.39	-1,478.29	-1,199.89	1,264.11	1,114.36	149.74	8.442		
9,300.00	6,944.98	9,723.18	7,237.64	79.63	80.71	-103.39	-1,478.07	-1,299.89	1,263.53	1,108.81	154.72	8.166		
9,400.00	6,945.24	9,823.18	7,237.89	82.21	83.24	-103.40	-1,477.86	-1,399.89	1,262.96	1,103.22	159.74	7.906		
9,500.00	6,945.51	9,923.18	7,238.13	84.81	85.80	-103.40	-1,477.65	-1,499.89	1,262.38	1,097.59	164.80	7.660		
9,600.00	6,945.78	10,023.18	7,238.38	87.43	88.37	-103.41	-1,477.44	-1,599.89	1,261.81	1,091.92	169.88	7.428		
9,700.00	6,946.04	10,123.18	7,238.63	90.05	90.96	-103.41	-1,477.23	-1,699.88	1,261.23	1,086.23	175.00	7.207		
9,800.00	6,946.31	10,223.17	7,238.88	92.70	93.57	-103.42	-1,477.01	-1,799.88	1,260.66	1,080.51	180.14	6.998		
9,900.00	6,946.57	10,323.17	7,239.13	95.35	96.20	-103.42	-1,476.80	-1,899.88	1,260.08	1,074.77	185.31	6.800		
10,000.00	6,946.84	10,423.17	7,239.38	98.02	98.83	-103.43	-1,476.59	-1,999.88	1,259.51	1,069.00	190.51	6.611		
10,100.00	6,947.11	10,523.17	7,239.63	100.70	101.48	-103.44	-1,476.38	-2,099.87	1,258.93	1,063.21	195.72	6.432		
10,200.00	6,947.37	10,623.17	7,239.87	103.38	104.14	-103.44	-1,476.17	-2,199.87	1,258.36	1,057.40	200.95	6.262		
10,300.00	6,947.64	10,723.17	7,240.12	106.08	106.81	-103.45	-1,475.96	-2,299.87	1,257.78	1,051.58	206.21	6.100		
10,400.00	6,947.90	10,823.16	7,240.37	108.78	109.49	-103.45	-1,475.74	-2,399.87	1,257.21	1,045.73	211.47	5.945		
10,500.00	6,948.17	10,923.16	7,240.62	111.49	112.18	-103.46	-1,475.53	-2,499.87	1,256.63	1,039.87	216.76	5.797		
10,600.00	6,948.44	11,023.16	7,240.87	114.21	114.88	-103.46	-1,475.32	-2,599.86	1,256.06	1,034.00	222.05	5.657		
10,700.00	6,948.70	11,123.16	7,241.12	116.94	117.59	-103.47	-1,475.11	-2,699.86	1,255.48	1,028.12	227.37	5.522		
10,800.00	6,948.97	11,223.16	7,241.37	119.67	120.30	-103.47	-1,474.90	-2,799.86	1,254.91	1,022.22	232.69	5.393		
10,900.00	6,949.24	11,323.15	7,241.62	122.41	123.02	-103.48	-1,474.69	-2,899.86	1,254.33	1,016.31	238.02	5.270		
11,000.00	6,949.50	11,423.15	7,241.86	125.15	125.75	-103.48	-1,474.47	-2,999.85	1,253.76	1,010.39	243.37	5.152		
11,100.00	6,949.77	11,523.15	7,242.11	127.90	128.48	-103.49	-1,474.26	-3,099.85	1,253.18	1,004.46	248.73	5.038		
11,200.00	6,950.03	11,623.15	7,242.36	130.65	131.22	-103.50	-1,474.05	-3,199.85	1,252.61	998.52	254.09	4.930		
11,300.00	6,950.30	11,723.15	7,242.61	133.41	133.96	-103.50	-1,473.84	-3,299.85	1,252.03	992.57	259.46	4.825		
11,400.00	6,950.57	11,823.15	7,242.86	136.17	136.71	-103.51	-1,473.63	-3,399.84	1,251.46	986.61	264.85	4.725		
11,500.00	6,950.83	11,923.14	7,243.11	138.94	139.46	-103.51	-1,473.42	-3,499.84	1,250.88	980.65	270.24	4.629		
11,600.00	6,951.10	12,023.14	7,243.36	141.71	142.21	-103.52	-1,473.20	-3,599.84	1,250.31	974.67	275.63	4.536		
11,700.00	6,951.36	12,123.14	7,243.60	144.48	144.98	-103.52	-1,472.99	-3,699.84	1,249.73	968.70	281.04	4.447		
11,800.00	6,951.63	12,223.14	7,243.85	147.26	147.74	-103.53	-1,472.78	-3,799.84	1,249.16	962.71	286.45	4.361		
11,900.00	6,951.90	12,323.14	7,244.10	150.03	150.51	-103.53	-1,472.57	-3,899.83	1,248.58	956.72	291.86	4.278		
12,000.00	6,952.16	12,423.14	7,244.35	152.82	153.28	-103.54	-1,472.36	-3,999.83	1,248.01	950.72	297.28	4.198		
12,100.00	6,952.43	12,523.13	7,244.60	155.60	156.05	-103.54	-1,472.14	-4,099.83	1,247.43	944.72	302.71	4.121		
12,200.00	6,952.69	12,623.13	7,244.85	158.39	158.83	-103.55	-1,471.93	-4,199.83	1,246.86	938.71	308.14	4.046		
12,300.00	6,952.96	12,723.13	7,245.10	161.18	161.61	-103.56	-1,471.72	-4,299.82	1,246.28	932.70	313.58	3.974		
12,400.00	6,953.23	12,823.13	7,245.35	163.97	164.40	-103.56	-1,471.51	-4,399.82	1,245.71	926.69	319.02	3.905		
12,500.00	6,953.49	12,923.13	7,245.59	166.77	167.18	-103.57	-1,471.30	-4,499.82	1,245.13	920.66	324.47	3.837		
12,600.00	6,953.76	13,023.13	7,245.84	169.56	169.97	-103.57	-1,471.09	-4,599.82	1,244.56	914.64	329.92	3.772		
12,700.00	6,954.02	13,123.12	7,246.09	172.36	172.76	-103.58	-1,470.87	-4,699.82	1,243.98	908.61	335.37	3.709		
12,800.00	6,954.29	13,223.12	7,246.34	175.16	175.56	-103.58	-1,470.66	-4,799.81	1,243.41	902.58	340.83	3.648		
12,900.00	6,954.56	13,323.12	7,246.59	177.97	178.35	-103.59	-1,470.45	-4,899.81	1,242.83	896.54	346.29	3.589		
13,000.00	6,954.82	13,423.12	7,246.84	180.77	181.15	-103.59	-1,470.24	-4,999.81	1,242.26	890.50	351.76	3.532		
13,100.00	6,955.09	13,523.12	7,247.09	183.58	183.95	-103.60	-1,470.03	-5,099.81	1,241.69	884.46	357.22	3.476		
13,200.00	6,955.35	13,623.12	7,247.33	186.38	186.75	-103.61	-1,469.82	-5,199.80	1,241.11	878.42	362.69	3.422		
13,300.00	6,955.62	13,723.11	7,247.58	189.19	189.55	-103.61	-1,469.60	-5,299.80	1,240.54	872.37	368.17	3.369		
13,400.00	6,955.89	13,823.11	7,247.83	192.00	192.36	-103.62	-1,469.39	-5,399.80	1,239.96	866.32	373.64	3.319		
13,500.00	6,956.15	13,923.11	7,248.08	194.82	195.17	-103.62	-1,469.18	-5,499.80	1,239.39	860.26	379.12	3.269		
13,600.00	6,956.42	14,023.11	7,248.33	197.63	197.97	-103.63	-1,468.97	-5,599.80	1,238.81	854.21	384.60	3.221		
13,700.00	6,956.68	14,123.11	7,248.58	200.44	200.78	-103.63	-1,468.76	-5,699.79	1,238.24	848.15	390.09	3.174		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
13,800.00	6,956.95	14,223.10	7,248.83	203.26	203.59	-103.64	-1,468.55	-5,799.79	1,237.66	842.09	395.57	3.129		
13,900.00	6,957.22	14,323.10	7,249.08	206.08	206.41	-103.65	-1,468.33	-5,899.79	1,237.09	836.03	401.06	3.085		
14,000.00	6,957.48	14,423.10	7,249.32	208.89	209.22	-103.65	-1,468.12	-5,999.79	1,236.51	829.96	406.55	3.041		
14,100.00	6,957.75	14,523.10	7,249.57	211.71	212.03	-103.66	-1,467.91	-6,099.78	1,235.94	823.90	412.04	3.000		
14,200.00	6,958.02	14,623.10	7,249.82	214.53	214.85	-103.66	-1,467.70	-6,199.78	1,235.36	817.83	417.54	2.959		
14,300.00	6,958.28	14,723.10	7,250.07	217.36	217.67	-103.67	-1,467.49	-6,299.78	1,234.79	811.76	423.03	2.919		
14,400.00	6,958.55	14,823.09	7,250.32	220.18	220.49	-103.67	-1,467.27	-6,399.78	1,234.22	805.69	428.53	2.880		
14,500.00	6,958.81	14,923.09	7,250.57	223.00	223.31	-103.68	-1,467.06	-6,499.77	1,233.64	799.61	434.03	2.842		
14,600.00	6,959.08	15,023.09	7,250.82	225.83	226.13	-103.69	-1,466.85	-6,599.77	1,233.07	793.54	439.53	2.805		
14,700.00	6,959.35	15,123.09	7,251.06	228.65	228.95	-103.69	-1,466.64	-6,699.77	1,232.49	787.46	445.03	2.769		
14,800.00	6,959.61	15,223.09	7,251.31	231.48	231.77	-103.70	-1,466.43	-6,799.77	1,231.92	781.38	450.53	2.734		
14,900.00	6,959.88	15,323.09	7,251.56	234.30	234.59	-103.70	-1,466.22	-6,899.77	1,231.34	775.30	456.04	2.700		
15,000.00	6,960.14	15,423.08	7,251.81	237.13	237.42	-103.71	-1,466.00	-6,999.76	1,230.77	769.22	461.55	2.667		
15,100.00	6,960.41	15,523.08	7,252.06	239.96	240.24	-103.71	-1,465.79	-7,099.76	1,230.19	763.14	467.05	2.634		
15,200.00	6,960.68	15,623.08	7,252.31	242.79	243.07	-103.72	-1,465.58	-7,199.76	1,229.62	757.06	472.56	2.602		
15,300.00	6,960.94	15,723.08	7,252.56	245.62	245.90	-103.72	-1,465.37	-7,299.76	1,229.05	750.97	478.07	2.571		
15,400.00	6,961.21	15,823.08	7,252.81	248.45	248.72	-103.73	-1,465.16	-7,399.75	1,228.47	744.89	483.58	2.540		
15,500.00	6,961.47	15,923.08	7,253.05	251.28	251.55	-103.74	-1,464.95	-7,499.75	1,227.90	738.80	489.09	2.511		
15,600.00	6,961.74	16,023.07	7,253.30	254.11	254.38	-103.74	-1,464.73	-7,599.75	1,227.32	732.72	494.61	2.481		
15,700.00	6,962.01	16,123.07	7,253.55	256.94	257.21	-103.75	-1,464.52	-7,699.75	1,226.75	726.63	500.12	2.453		
15,800.00	6,962.27	16,223.07	7,253.80	259.77	260.04	-103.75	-1,464.31	-7,799.75	1,226.17	720.54	505.63	2.425		
15,900.00	6,962.54	16,323.07	7,254.05	262.61	262.87	-103.76	-1,464.10	-7,899.74	1,225.60	714.45	511.15	2.398		
16,000.00	6,962.80	16,423.07	7,254.30	265.44	265.70	-103.76	-1,463.89	-7,999.74	1,225.02	708.36	516.67	2.371		
16,100.00	6,963.07	16,523.07	7,254.55	268.28	268.54	-103.77	-1,463.68	-8,099.74	1,224.45	702.27	522.18	2.345		
16,200.00	6,963.34	16,623.06	7,254.80	271.11	271.37	-103.78	-1,463.46	-8,199.74	1,223.88	696.17	527.70	2.319		
16,300.00	6,963.60	16,723.06	7,255.04	273.95	274.20	-103.78	-1,463.25	-8,299.73	1,223.30	690.08	533.22	2.294		
16,400.00	6,963.87	16,823.06	7,255.29	276.78	277.04	-103.79	-1,463.04	-8,399.73	1,222.73	683.99	538.74	2.270		
16,500.00	6,964.13	16,923.06	7,255.54	279.62	279.87	-103.79	-1,462.83	-8,499.73	1,222.15	677.89	544.26	2.246		
16,600.00	6,964.40	17,023.06	7,255.79	282.46	282.71	-103.80	-1,462.62	-8,599.73	1,221.58	671.80	549.78	2.222		
16,700.00	6,964.67	17,123.06	7,256.04	285.29	285.54	-103.81	-1,462.40	-8,699.73	1,221.00	665.70	555.30	2.199		
16,800.00	6,964.93	17,223.05	7,256.29	288.13	288.38	-103.81	-1,462.19	-8,799.72	1,220.43	659.61	560.82	2.176		
16,900.00	6,965.20	17,323.05	7,256.54	290.97	291.22	-103.82	-1,461.98	-8,899.72	1,219.86	653.51	566.35	2.154		
17,000.00	6,965.46	17,423.05	7,256.78	293.81	294.05	-103.82	-1,461.77	-8,999.72	1,219.28	647.41	571.87	2.132		
17,100.00	6,965.73	17,523.05	7,257.03	296.65	296.89	-103.83	-1,461.56	-9,099.72	1,218.71	641.31	577.39	2.111		
17,200.00	6,966.00	17,623.05	7,257.28	299.49	299.73	-103.83	-1,461.35	-9,199.71	1,218.13	635.22	582.92	2.090		
17,300.00	6,966.26	17,723.04	7,257.53	302.32	302.57	-103.84	-1,461.13	-9,299.71	1,217.56	629.12	588.44	2.069		
17,400.00	6,966.53	17,823.04	7,257.78	305.16	305.41	-103.85	-1,460.92	-9,399.71	1,216.98	623.02	593.97	2.049		
17,500.00	6,966.80	17,923.04	7,258.03	308.00	308.25	-103.85	-1,460.71	-9,499.71	1,216.41	616.92	599.49	2.029		
17,600.00	6,967.06	18,023.04	7,258.28	310.85	311.09	-103.86	-1,460.50	-9,599.71	1,215.84	610.82	605.02	2.010		
17,700.00	6,967.33	18,123.04	7,258.53	313.69	313.93	-103.86	-1,460.29	-9,699.70	1,215.26	604.72	610.55	1.990		
17,800.00	6,967.59	18,223.04	7,258.77	316.53	316.77	-103.87	-1,460.08	-9,799.70	1,214.69	598.62	616.07	1.972		
17,900.00	6,967.86	18,323.03	7,259.02	319.37	319.61	-103.88	-1,459.86	-9,899.70	1,214.11	592.51	621.60	1.953		
18,000.00	6,968.13	18,423.03	7,259.27	322.21	322.45	-103.88	-1,459.65	-9,999.70	1,213.54	586.41	627.13	1.935		
18,100.00	6,968.39	18,523.03	7,259.52	325.05	325.29	-103.89	-1,459.44	-10,099.69	1,212.97	580.31	632.65	1.917		
18,200.00	6,968.66	18,623.03	7,259.77	327.90	328.13	-103.89	-1,459.23	-10,199.69	1,212.39	574.21	638.18	1.900		
18,300.00	6,968.92	18,723.03	7,260.02	330.74	330.97	-103.90	-1,459.02	-10,299.69	1,211.82	568.11	643.71	1.883		
18,400.00	6,969.19	18,823.03	7,260.27	333.58	333.82	-103.90	-1,458.80	-10,399.69	1,211.24	562.00	649.24	1.866		
18,500.00	6,969.46	18,923.02	7,260.51	336.43	336.66	-103.91	-1,458.59	-10,499.68	1,210.67	555.90	654.77	1.849		
18,600.00	6,969.72	19,023.02	7,260.76	339.27	339.50	-103.92	-1,458.38	-10,599.68	1,210.10	549.80	660.30	1.833		
18,702.14	6,969.99	19,118.22	7,261.00	342.17	342.21	-103.92	-1,458.18	-10,694.88	1,209.53	543.80	665.73	1.817		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		Highside Toolface (°)	Offset Wellbore Centre		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,704.56	6,970.00	19,118.22	7,261.00	342.24	342.21	-103.92	-1,458.18	-10,694.88	1,209.53	543.75	665.78	1.817 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
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	297.75	297.73	3.44	3.44	80.85	-91.21	0.30	90.94	84.06	6.89	13.209		
400.00	399.84	395.44	395.29	3.60	3.59	81.77	-94.88	3.69	93.83	86.63	7.20	13.035		
500.00	499.45	492.98	492.47	3.80	3.78	83.18	-100.98	9.33	98.69	91.08	7.61	12.974		
600.00	598.70	590.33	589.12	4.05	4.01	84.92	-109.48	17.19	105.58	97.48	8.10	13.037		
700.00	697.47	687.40	685.06	4.33	4.28	86.83	-120.36	27.24	114.55	105.89	8.66	13.223		
803.50	799.05	787.53	783.42	4.67	4.61	88.83	-134.07	39.92	126.08	116.76	9.32	13.531		
900.00	893.41	880.55	874.17	5.02	4.94	90.22	-149.06	53.78	138.88	128.89	9.99	13.907		
1,000.00	991.20	976.50	967.03	5.41	5.32	90.44	-166.79	70.16	154.11	143.38	10.73	14.362		
1,100.00	1,088.99	1,072.77	1,059.38	5.81	5.73	89.76	-186.76	88.62	171.21	159.69	11.51	14.868		
1,200.00	1,186.78	1,171.18	1,153.54	6.23	6.19	89.00	-207.75	108.03	188.83	176.48	12.34	15.299		
1,300.00	1,284.57	1,269.59	1,247.70	6.67	6.66	88.36	-228.75	127.44	206.47	193.27	13.20	15.642		
1,400.00	1,382.36	1,368.00	1,341.86	7.12	7.15	87.82	-249.74	146.85	224.14	210.06	14.08	15.917		
1,500.00	1,480.15	1,466.40	1,436.03	7.57	7.65	87.36	-270.74	166.25	241.82	226.84	14.98	16.139		
1,600.00	1,577.94	1,564.81	1,530.19	8.03	8.17	86.97	-291.73	185.66	259.52	243.62	15.90	16.319		
1,700.00	1,675.73	1,663.22	1,624.35	8.50	8.69	86.62	-312.73	205.07	277.22	260.39	16.84	16.466		
1,800.00	1,773.52	1,761.62	1,718.51	8.98	9.22	86.32	-333.72	224.48	294.94	277.16	17.78	16.587		
1,900.00	1,871.31	1,860.03	1,812.67	9.45	9.75	86.05	-354.72	243.88	312.66	293.93	18.74	16.687		
2,000.00	1,969.10	1,958.44	1,906.84	9.94	10.29	85.81	-375.71	263.29	330.39	310.69	19.70	16.771		
2,100.00	2,066.88	2,056.84	2,001.00	10.42	10.83	85.59	-396.71	282.70	348.12	327.45	20.67	16.840		
2,200.00	2,164.67	2,155.25	2,095.16	10.91	11.38	85.39	-417.70	302.11	365.86	344.21	21.65	16.899		
2,300.00	2,262.46	2,253.66	2,189.32	11.40	11.93	85.22	-438.70	321.51	383.60	360.97	22.63	16.949		
2,400.00	2,360.25	2,352.07	2,283.48	11.89	12.48	85.06	-459.69	340.92	401.35	377.73	23.62	16.991		
2,500.00	2,458.04	2,450.47	2,377.65	12.39	13.04	84.91	-480.69	360.33	419.10	394.48	24.61	17.027		
2,600.00	2,555.83	2,548.88	2,471.81	12.88	13.60	84.77	-501.68	379.74	436.85	411.24	25.61	17.058		
2,700.00	2,653.62	2,647.29	2,565.97	13.38	14.16	84.65	-522.68	399.14	454.60	427.99	26.61	17.084		
2,800.00	2,751.41	2,745.69	2,660.13	13.88	14.72	84.53	-543.67	418.55	472.35	444.74	27.61	17.106		
2,900.00	2,849.20	2,844.10	2,754.30	14.38	15.28	84.42	-564.67	437.96	490.11	461.49	28.62	17.126		
3,000.00	2,946.99	2,942.51	2,848.46	14.88	15.85	84.32	-585.66	457.36	507.87	478.24	29.63	17.143		
3,100.00	3,044.78	3,040.91	2,942.62	15.38	16.41	84.23	-606.66	476.77	525.62	494.99	30.64	17.157		
3,200.00	3,142.57	3,139.32	3,036.78	15.89	16.98	84.14	-627.65	496.18	543.38	511.74	31.65	17.170		
3,300.00	3,240.36	3,237.73	3,130.94	16.39	17.54	84.06	-648.65	515.59	561.15	528.48	32.66	17.180		
3,400.00	3,338.15	3,336.14	3,225.11	16.89	18.11	83.99	-669.64	534.99	578.91	545.23	33.68	17.190		
3,500.00	3,435.93	3,434.54	3,319.27	17.40	18.68	83.91	-690.63	554.40	596.67	561.98	34.69	17.198		
3,600.00	3,533.72	3,532.95	3,413.43	17.90	19.25	83.85	-711.63	573.81	614.43	578.72	35.71	17.205		
3,700.00	3,631.51	3,631.36	3,507.59	18.41	19.82	83.78	-732.62	593.22	632.20	595.47	36.73	17.211		
3,800.00	3,729.30	3,729.76	3,601.75	18.92	20.39	83.72	-753.62	612.62	649.97	612.21	37.75	17.216		
3,900.00	3,827.09	3,828.17	3,695.92	19.42	20.96	83.66	-774.61	632.03	667.73	628.96	38.77	17.221		
4,000.00	3,924.88	3,926.58	3,790.08	19.93	21.53	83.61	-795.61	651.44	685.50	645.70	39.80	17.225		
4,100.00	4,022.67	4,024.98	3,884.24	20.44	22.11	83.56	-816.60	670.85	703.27	662.44	40.82	17.228		
4,200.00	4,120.46	4,123.39	3,978.40	20.95	22.68	83.51	-837.60	690.25	721.03	679.19	41.85	17.231		
4,300.00	4,218.25	4,221.80	4,072.57	21.46	23.25	83.46	-858.59	709.66	738.80	695.93	42.87	17.233		
4,400.00	4,316.04	4,320.21	4,166.73	21.97	23.83	83.42	-879.59	729.07	756.57	712.67	43.90	17.235		
4,500.00	4,413.83	4,418.61	4,260.89	22.48	24.40	83.38	-900.58	748.48	774.34	729.42	44.92	17.237		
4,600.00	4,511.62	4,517.02	4,355.05	22.99	24.97	83.33	-921.58	767.88	792.11	746.16	45.95	17.238		
4,700.00	4,609.41	4,615.43	4,449.21	23.50	25.55	83.30	-942.57	787.29	809.88	762.90	46.98	17.239		
4,800.00	4,707.20	4,713.83	4,543.38	24.01	26.12	83.26	-963.57	806.70	827.65	779.64	48.01	17.240		
4,900.00	4,804.98	4,812.24	4,637.54	24.52	26.70	83.22	-984.56	826.11	845.42	796.38	49.04	17.240		
5,000.00	4,902.77	4,910.65	4,731.70	25.03	27.27	83.19	-1,005.56	845.51	863.19	813.13	50.07	17.241		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
5,100.00	5,000.56	5,009.05	4,825.86	25.54	27.85	83.16	-1,026.55	864.92	880.96	829.87	51.10	17.241		
5,200.00	5,098.35	5,107.46	4,920.03	26.05	28.42	83.13	-1,047.55	884.33	898.74	846.61	52.13	17.241		
5,300.00	5,196.14	5,205.87	5,014.19	26.56	29.00	83.09	-1,068.54	903.73	916.51	863.35	53.16	17.241		
5,400.00	5,293.93	5,304.28	5,108.35	27.07	29.58	83.07	-1,089.54	923.14	934.28	880.09	54.19	17.241		
5,500.00	5,391.72	5,402.68	5,202.51	27.58	30.15	83.04	-1,110.53	942.55	952.05	896.83	55.22	17.241		
5,600.00	5,489.51	5,501.09	5,296.67	28.09	30.73	83.01	-1,131.53	961.96	969.82	913.57	56.25	17.240		
5,700.00	5,587.30	5,600.50	5,390.84	28.61	31.31	82.99	-1,152.52	981.36	987.60	930.31	57.29	17.238		
5,800.00	5,685.09	5,702.10	5,485.00	29.12	31.91	82.96	-1,173.51	1,000.77	1,005.37	947.03	58.34	17.233		
5,900.00	5,782.88	5,803.69	5,579.16	29.63	32.50	82.94	-1,194.51	1,020.18	1,023.14	963.75	59.39	17.227		
6,000.00	5,880.67	5,905.28	5,673.32	30.14	33.10	82.91	-1,215.50	1,039.59	1,040.92	980.47	60.44	17.222		
6,100.00	5,978.46	5,993.12	5,767.48	30.65	33.61	82.89	-1,236.50	1,058.99	1,058.69	997.27	61.42	17.237		
6,200.00	6,076.25	6,091.53	5,861.65	31.17	34.19	82.87	-1,257.49	1,078.40	1,076.46	1,014.01	62.45	17.237		
6,298.86	6,172.92	6,188.82	5,954.74	31.67	34.76	82.85	-1,278.25	1,097.59	1,094.03	1,030.56	63.47	17.236		
6,300.00	6,174.03	6,189.94	5,955.81	31.68	34.77	82.78	-1,278.49	1,097.81	1,094.24	1,030.75	63.49	17.236		
6,350.00	6,223.30	6,239.10	6,002.85	31.92	35.06	77.32	-1,288.98	1,107.50	1,103.00	1,039.02	63.98	17.240		
6,400.00	6,273.06	6,287.98	6,049.62	32.13	35.34	56.37	-1,299.41	1,117.14	1,111.51	1,047.09	64.42	17.254		
6,450.00	6,323.01	6,336.27	6,095.83	32.32	35.63	-33.79	-1,309.71	1,126.67	1,119.79	1,054.98	64.81	17.278		
6,500.00	6,372.84	6,383.67	6,141.19	32.48	35.91	-65.99	-1,319.82	1,136.02	1,127.88	1,062.71	65.16	17.308		
6,550.00	6,422.24	6,429.90	6,185.42	32.65	36.18	-73.85	-1,329.68	1,145.13	1,135.86	1,070.37	65.49	17.343		
6,600.00	6,470.92	6,474.67	6,228.25	32.83	36.44	-77.38	-1,339.23	1,153.96	1,143.85	1,078.04	65.80	17.383		
6,650.00	6,518.56	6,517.69	6,269.43	33.01	36.69	-79.51	-1,348.41	1,162.45	1,151.98	1,085.88	66.10	17.429		
6,700.00	6,564.89	6,558.72	6,308.68	33.21	36.93	-81.01	-1,357.17	1,170.54	1,160.41	1,094.04	66.37	17.483		
6,750.00	6,609.60	6,602.51	6,345.78	33.43	37.19	-82.16	-1,365.44	1,178.18	1,169.31	1,102.65	66.66	17.541		
6,800.00	6,652.43	6,633.76	6,380.49	33.66	37.37	-83.05	-1,373.18	1,185.34	1,178.84	1,111.96	66.88	17.625		
6,850.00	6,693.10	6,673.70	6,418.89	33.91	37.60	-83.92	-1,381.75	1,192.12	1,189.09	1,121.90	67.19	17.697		
6,900.00	6,731.38	6,716.16	6,460.09	34.20	37.81	-84.73	-1,390.97	1,196.61	1,199.98	1,132.44	67.54	17.766		
6,950.00	6,767.02	6,761.44	6,504.22	34.51	38.02	-85.50	-1,400.88	1,198.29	1,211.48	1,143.54	67.95	17.830		
7,000.00	6,799.81	6,810.29	6,551.84	34.85	38.21	-86.29	-1,411.61	1,196.49	1,223.53	1,155.13	68.39	17.890		
7,050.00	6,829.54	6,863.76	6,603.62	35.24	38.39	-87.13	-1,423.32	1,190.24	1,236.02	1,167.14	68.88	17.943		
7,100.00	6,856.03	6,923.28	6,660.42	35.66	38.56	-88.07	-1,436.21	1,178.08	1,248.85	1,179.43	69.42	17.990		
7,150.00	6,879.11	6,990.85	6,723.21	36.12	38.74	-89.16	-1,450.52	1,157.75	1,261.83	1,191.84	69.99	18.029		
7,200.00	6,898.65	7,069.24	6,792.92	36.62	38.95	-90.46	-1,466.51	1,125.78	1,274.71	1,204.12	70.59	18.059		
7,250.00	6,914.51	7,250.00	6,851.45	37.15	39.45	-91.36	-1,480.01	1,089.64	1,287.09	1,215.51	71.58	17.982		
7,300.00	6,926.62	7,274.56	6,952.27	37.73	39.56	-93.78	-1,503.51	1,003.18	1,298.50	1,226.49	72.01	18.032		
7,350.00	6,934.88	7,350.00	7,019.93	38.34	39.85	-95.20	-1,519.55	916.36	1,308.02	1,235.26	72.76	17.976		
7,400.00	6,939.26	7,573.71	7,098.29	38.97	41.12	-97.27	-1,538.77	747.65	1,314.84	1,239.56	75.28	17.467		
7,429.12	6,940.00	7,678.45	7,119.78	39.34	41.96	-97.86	-1,544.57	645.43	1,317.04	1,239.96	77.08	17.086		
7,500.00	6,940.19	7,808.65	7,125.12	40.31	43.23	-98.07	-1,547.01	515.48	1,317.97	1,237.96	80.01	16.474		
7,600.00	6,940.46	7,908.65	7,125.36	41.80	44.40	-98.06	-1,548.01	415.48	1,318.58	1,235.70	82.88	15.909		
7,700.00	6,940.72	8,008.65	7,125.60	43.43	45.73	-98.06	-1,549.01	315.49	1,319.20	1,233.18	86.02	15.336		
7,800.00	6,940.99	8,108.65	7,125.84	45.19	47.24	-98.05	-1,550.01	215.50	1,319.82	1,230.38	89.43	14.757		
7,900.00	6,941.25	8,208.64	7,126.08	47.05	48.87	-98.05	-1,551.01	115.51	1,320.43	1,227.38	93.06	14.190		
8,000.00	6,941.52	8,308.64	7,126.32	49.02	50.64	-98.04	-1,552.01	15.51	1,321.05	1,224.17	96.88	13.637		
8,100.00	6,941.79	8,408.64	7,126.56	51.06	52.51	-98.04	-1,553.02	-84.48	1,321.67	1,220.80	100.87	13.103		
8,200.00	6,942.05	8,508.64	7,126.80	53.18	54.48	-98.03	-1,554.02	-184.47	1,322.28	1,217.27	105.02	12.591		
8,300.00	6,942.32	8,608.64	7,127.04	55.37	56.53	-98.03	-1,555.02	-284.47	1,322.90	1,213.60	109.30	12.103		
8,400.00	6,942.58	8,708.63	7,127.28	57.62	58.66	-98.02	-1,556.02	-384.46	1,323.52	1,209.81	113.71	11.640		
8,500.00	6,942.85	8,808.63	7,127.52	59.92	60.85	-98.02	-1,557.02	-484.45	1,324.13	1,205.91	118.22	11.201		
8,600.00	6,943.12	8,908.63	7,127.76	62.26	63.10	-98.01	-1,558.02	-584.44	1,324.75	1,201.92	122.83	10.785		
8,700.00	6,943.38	9,008.63	7,128.00	64.65	65.40	-98.01	-1,559.02	-684.44	1,325.36	1,197.84	127.53	10.393		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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					
8,800.00	6,943.65	9,108.63	7,128.24	67.08	67.74	-98.00	-1,560.03	-784.43	1,325.98	1,193.68	132.30	10.023					
8,900.00	6,943.91	9,208.63	7,128.48	69.53	70.12	-98.00	-1,561.03	-884.42	1,326.60	1,189.46	137.14	9.674					
9,000.00	6,944.18	9,308.62	7,128.72	72.02	72.54	-97.99	-1,562.03	-984.41	1,327.21	1,185.18	142.04	9.344					
9,100.00	6,944.45	9,408.62	7,128.96	74.54	75.00	-97.99	-1,563.03	-1,084.41	1,327.83	1,180.84	147.00	9.033					
9,200.00	6,944.71	9,508.62	7,129.20	77.07	77.48	-97.98	-1,564.03	-1,184.40	1,328.45	1,176.44	152.00	8.740					
9,300.00	6,944.98	9,608.62	7,129.44	79.63	79.98	-97.98	-1,565.03	-1,284.39	1,329.06	1,172.01	157.05	8.462					
9,400.00	6,945.24	9,708.62	7,129.68	82.21	82.51	-97.97	-1,566.04	-1,384.39	1,329.68	1,167.53	162.15	8.200					
9,500.00	6,945.51	9,808.61	7,129.92	84.81	85.06	-97.97	-1,567.04	-1,484.38	1,330.30	1,163.02	167.28	7.953					
9,600.00	6,945.78	9,908.61	7,130.16	87.43	87.64	-97.96	-1,568.04	-1,584.37	1,330.91	1,158.47	172.44	7.718					
9,700.00	6,946.04	10,008.61	7,130.40	90.05	90.22	-97.96	-1,569.04	-1,684.36	1,331.53	1,153.89	177.64	7.496					
9,800.00	6,946.31	10,108.61	7,130.64	92.70	92.83	-97.95	-1,570.04	-1,784.36	1,332.15	1,149.29	182.86	7.285					
9,900.00	6,946.57	10,208.61	7,130.88	95.35	95.45	-97.95	-1,571.04	-1,884.35	1,332.76	1,144.65	188.11	7.085					
10,000.00	6,946.84	10,308.60	7,131.12	98.02	98.08	-97.94	-1,572.04	-1,984.34	1,333.38	1,139.99	193.39	6.895					
10,100.00	6,947.11	10,408.60	7,131.36	100.70	100.73	-97.94	-1,573.05	-2,084.33	1,334.00	1,135.32	198.68	6.714					
10,200.00	6,947.37	10,508.60	7,131.60	103.38	103.38	-97.94	-1,574.05	-2,184.33	1,334.61	1,130.62	204.00	6.542					
10,300.00	6,947.64	10,608.60	7,131.83	106.08	106.05	-97.93	-1,575.05	-2,284.32	1,335.23	1,125.90	209.33	6.379					
10,400.00	6,947.90	10,708.60	7,132.07	108.78	108.73	-97.93	-1,576.05	-2,384.31	1,335.85	1,121.16	214.68	6.222					
10,500.00	6,948.17	10,808.59	7,132.31	111.49	111.42	-97.92	-1,577.05	-2,484.31	1,336.46	1,116.41	220.05	6.073					
10,600.00	6,948.44	10,908.59	7,132.55	114.21	114.11	-97.92	-1,578.05	-2,584.30	1,337.08	1,111.64	225.44	5.931					
10,700.00	6,948.70	11,008.59	7,132.79	116.94	116.81	-97.91	-1,579.06	-2,684.29	1,337.70	1,106.86	230.83	5.795					
10,800.00	6,948.97	11,108.59	7,133.03	119.67	119.52	-97.91	-1,580.06	-2,784.28	1,338.31	1,102.07	236.24	5.665					
10,900.00	6,949.24	11,208.59	7,133.27	122.41	122.24	-97.90	-1,581.06	-2,884.28	1,338.93	1,097.26	241.67	5.540					
11,000.00	6,949.50	11,308.58	7,133.51	125.15	124.96	-97.90	-1,582.06	-2,984.27	1,339.55	1,092.45	247.10	5.421					
11,100.00	6,949.77	11,408.58	7,133.75	127.90	127.69	-97.89	-1,583.06	-3,084.26	1,340.16	1,087.62	252.54	5.307					
11,200.00	6,950.03	11,508.58	7,133.99	130.65	130.43	-97.89	-1,584.06	-3,184.25	1,340.78	1,082.78	258.00	5.197					
11,300.00	6,950.30	11,608.58	7,134.23	133.41	133.17	-97.88	-1,585.06	-3,284.25	1,341.40	1,077.94	263.46	5.091					
11,400.00	6,950.57	11,708.58	7,134.47	136.17	135.91	-97.88	-1,586.07	-3,384.24	1,342.01	1,073.08	268.93	4.990					
11,500.00	6,950.83	11,808.57	7,134.71	138.94	138.66	-97.87	-1,587.07	-3,484.23	1,342.63	1,068.22	274.41	4.893					
11,600.00	6,951.10	11,908.57	7,134.95	141.71	141.42	-97.87	-1,588.07	-3,584.23	1,343.25	1,063.34	279.90	4.799					
11,700.00	6,951.36	12,008.57	7,135.19	144.48	144.17	-97.86	-1,589.07	-3,684.22	1,343.86	1,058.47	285.40	4.709					
11,800.00	6,951.63	12,108.57	7,135.43	147.26	146.93	-97.86	-1,590.07	-3,784.21	1,344.48	1,053.58	290.90	4.622					
11,900.00	6,951.90	12,208.57	7,135.67	150.03	149.70	-97.85	-1,591.07	-3,884.20	1,345.10	1,048.69	296.41	4.538					
12,000.00	6,952.16	12,308.56	7,135.91	152.82	152.47	-97.85	-1,592.08	-3,984.20	1,345.71	1,043.79	301.93	4.457					
12,100.00	6,952.43	12,408.56	7,136.15	155.60	155.24	-97.84	-1,593.08	-4,084.19	1,346.33	1,038.88	307.45	4.379					
12,200.00	6,952.69	12,508.56	7,136.39	158.39	158.01	-97.84	-1,594.08	-4,184.18	1,346.95	1,033.97	312.97	4.304					
12,300.00	6,952.96	12,608.56	7,136.63	161.18	160.79	-97.83	-1,595.08	-4,284.17	1,347.56	1,029.06	318.51	4.231					
12,400.00	6,953.23	12,708.56	7,136.87	163.97	163.57	-97.83	-1,596.08	-4,384.17	1,348.18	1,024.14	324.04	4.161					
12,500.00	6,953.49	12,808.55	7,137.11	166.77	166.36	-97.83	-1,597.08	-4,484.16	1,348.80	1,019.21	329.58	4.092					
12,600.00	6,953.76	12,908.55	7,137.35	169.56	169.14	-97.82	-1,598.08	-4,584.15	1,349.42	1,014.28	335.13	4.027					
12,700.00	6,954.02	13,008.55	7,137.59	172.36	171.93	-97.82	-1,599.09	-4,684.15	1,350.03	1,009.35	340.68	3.963					
12,800.00	6,954.29	13,108.55	7,137.83	175.16	174.72	-97.81	-1,600.09	-4,784.14	1,350.65	1,004.41	346.24	3.901					
12,900.00	6,954.56	13,208.55	7,138.07	177.97	177.51	-97.81	-1,601.09	-4,884.13	1,351.27	999.47	351.79	3.841					
13,000.00	6,954.82	13,308.54	7,138.31	180.77	180.31	-97.80	-1,602.09	-4,984.12	1,351.88	994.53	357.36	3.783					
13,100.00	6,955.09	13,408.54	7,138.55	183.58	183.10	-97.80	-1,603.09	-5,084.12	1,352.50	989.58	362.92	3.727					
13,200.00	6,955.35	13,508.54	7,138.79	186.38	185.90	-97.79	-1,604.09	-5,184.11	1,353.12	984.62	368.49	3.672					
13,300.00	6,955.62	13,608.54	7,139.03	189.19	188.70	-97.79	-1,605.10	-5,284.10	1,353.73	979.67	374.06	3.619					
13,400.00	6,955.89	13,708.54	7,139.27	192.00	191.50	-97.78	-1,606.10	-5,384.09	1,354.35	974.71	379.64	3.567					
13,500.00	6,956.15	13,808.53	7,139.51	194.82	194.30	-97.78	-1,607.10	-5,484.09	1,354.97	969.75	385.22	3.517					
13,600.00	6,956.42	13,908.53	7,139.75	197.63	197.11	-97.77	-1,608.10	-5,584.08	1,355.58	964.78	390.80	3.469					
13,700.00	6,956.68	14,008.53	7,139.99	200.44	199.92	-97.77	-1,609.10	-5,684.07	1,356.20	959.82	396.39	3.421					
13,800.00	6,956.95	14,108.53	7,140.23	203.26	202.72	-97.76	-1,610.10	-5,784.07	1,356.82	954.85	401.97	3.375					

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
13,900.00	6,957.22	14,208.53	7,140.47	206.08	205.53	-97.76	-1,611.10	-5,884.06	1,357.43	949.87	407.56	3.331		
14,000.00	6,957.48	14,308.52	7,140.71	208.89	208.34	-97.75	-1,612.11	-5,984.05	1,358.05	944.90	413.15	3.287		
14,100.00	6,957.75	14,408.52	7,140.95	211.71	211.15	-97.75	-1,613.11	-6,084.04	1,358.67	939.92	418.75	3.245		
14,200.00	6,958.02	14,508.52	7,141.19	214.53	213.97	-97.75	-1,614.11	-6,184.04	1,359.29	934.94	424.35	3.203		
14,300.00	6,958.28	14,608.52	7,141.43	217.36	216.78	-97.74	-1,615.11	-6,284.03	1,359.90	929.96	429.94	3.163		
14,400.00	6,958.55	14,708.52	7,141.67	220.18	219.60	-97.74	-1,616.11	-6,384.02	1,360.52	924.97	435.54	3.124		
14,500.00	6,958.81	14,808.52	7,141.91	223.00	222.41	-97.73	-1,617.11	-6,484.01	1,361.14	919.99	441.15	3.085		
14,600.00	6,959.08	14,908.51	7,142.15	225.83	225.23	-97.73	-1,618.12	-6,584.01	1,361.75	915.00	446.75	3.048		
14,700.00	6,959.35	15,008.51	7,142.39	228.65	228.05	-97.72	-1,619.12	-6,684.00	1,362.37	910.01	452.36	3.012		
14,800.00	6,959.61	15,108.51	7,142.63	231.48	230.87	-97.72	-1,620.12	-6,783.99	1,362.99	905.02	457.97	2.976		
14,900.00	6,959.88	15,208.51	7,142.86	234.30	233.69	-97.71	-1,621.12	-6,883.99	1,363.61	900.03	463.58	2.941		
15,000.00	6,960.14	15,308.51	7,143.10	237.13	236.51	-97.71	-1,622.12	-6,983.98	1,364.22	895.03	469.19	2.908		
15,100.00	6,960.41	15,408.50	7,143.34	239.96	239.33	-97.70	-1,623.12	-7,083.97	1,364.84	890.04	474.80	2.875		
15,200.00	6,960.68	15,508.50	7,143.58	242.79	242.15	-97.70	-1,624.12	-7,183.96	1,365.46	885.04	480.42	2.842		
15,300.00	6,960.94	15,608.50	7,143.82	245.62	244.97	-97.69	-1,625.13	-7,283.96	1,366.07	880.04	486.04	2.811		
15,400.00	6,961.21	15,708.50	7,144.06	248.45	247.80	-97.69	-1,626.13	-7,383.95	1,366.69	875.04	491.65	2.780		
15,500.00	6,961.47	15,808.50	7,144.30	251.28	250.62	-97.69	-1,627.13	-7,483.94	1,367.31	870.03	497.27	2.750		
15,600.00	6,961.74	15,908.49	7,144.54	254.11	253.45	-97.68	-1,628.13	-7,583.93	1,367.92	865.03	502.90	2.720		
15,700.00	6,962.01	16,008.49	7,144.78	256.94	256.27	-97.68	-1,629.13	-7,683.93	1,368.54	860.02	508.52	2.691		
15,800.00	6,962.27	16,108.49	7,145.02	259.77	259.10	-97.67	-1,630.13	-7,783.92	1,369.16	855.02	514.14	2.663		
15,900.00	6,962.54	16,208.49	7,145.26	262.61	261.93	-97.67	-1,631.14	-7,883.91	1,369.78	850.01	519.77	2.635		
16,000.00	6,962.80	16,308.49	7,145.50	265.44	264.76	-97.66	-1,632.14	-7,983.91	1,370.39	845.00	525.39	2.608		
16,100.00	6,963.07	16,408.48	7,145.74	268.28	267.59	-97.66	-1,633.14	-8,083.90	1,371.01	839.99	531.02	2.582		
16,200.00	6,963.34	16,508.48	7,145.98	271.11	270.42	-97.65	-1,634.14	-8,183.89	1,371.63	834.98	536.65	2.556		
16,300.00	6,963.60	16,608.48	7,146.22	273.95	273.25	-97.65	-1,635.14	-8,283.88	1,372.24	829.97	542.28	2.531		
16,400.00	6,963.87	16,708.48	7,146.46	276.78	276.08	-97.64	-1,636.14	-8,383.88	1,372.86	824.95	547.91	2.506		
16,500.00	6,964.13	16,808.48	7,146.70	279.62	278.91	-97.64	-1,637.14	-8,483.87	1,373.48	819.94	553.54	2.481		
16,600.00	6,964.40	16,908.47	7,146.94	282.46	281.74	-97.64	-1,638.15	-8,583.86	1,374.10	814.92	559.17	2.457		
16,700.00	6,964.67	17,008.47	7,147.18	285.29	284.57	-97.63	-1,639.15	-8,683.85	1,374.71	809.91	564.81	2.434		
16,800.00	6,964.93	17,108.47	7,147.42	288.13	287.40	-97.63	-1,640.15	-8,783.85	1,375.33	804.89	570.44	2.411		
16,900.00	6,965.20	17,208.47	7,147.66	290.97	290.24	-97.62	-1,641.15	-8,883.84	1,375.95	799.87	576.08	2.388		
17,000.00	6,965.46	17,308.47	7,147.90	293.81	293.07	-97.62	-1,642.15	-8,983.83	1,376.57	794.85	581.71	2.366		
17,100.00	6,965.73	17,408.46	7,148.14	296.65	295.90	-97.61	-1,643.15	-9,083.83	1,377.18	789.83	587.35	2.345		
17,200.00	6,966.00	17,508.46	7,148.38	299.49	298.74	-97.61	-1,644.16	-9,183.82	1,377.80	784.81	592.99	2.323		
17,300.00	6,966.26	17,608.46	7,148.62	302.32	301.57	-97.60	-1,645.16	-9,283.81	1,378.42	779.79	598.63	2.303		
17,400.00	6,966.53	17,708.46	7,148.86	305.16	304.41	-97.60	-1,646.16	-9,383.80	1,379.03	774.76	604.27	2.282		
17,500.00	6,966.80	17,808.46	7,149.10	308.00	307.24	-97.59	-1,647.16	-9,483.80	1,379.65	769.74	609.91	2.262		
17,600.00	6,967.06	17,908.45	7,149.34	310.85	310.08	-97.59	-1,648.16	-9,583.79	1,380.27	764.72	615.55	2.242		
17,700.00	6,967.33	18,008.45	7,149.58	313.69	312.92	-97.59	-1,649.16	-9,683.78	1,380.89	759.69	621.20	2.223		
17,800.00	6,967.59	18,108.45	7,149.82	316.53	315.75	-97.58	-1,650.16	-9,783.77	1,381.50	754.66	626.84	2.204		
17,900.00	6,967.86	18,208.45	7,150.06	319.37	318.59	-97.58	-1,651.17	-9,883.77	1,382.12	749.64	632.48	2.185		
18,000.00	6,968.13	18,308.45	7,150.30	322.21	321.43	-97.57	-1,652.17	-9,983.76	1,382.74	744.61	638.13	2.167		
18,100.00	6,968.39	18,408.44	7,150.54	325.05	324.27	-97.57	-1,653.17	-10,083.75	1,383.36	739.58	643.77	2.149		
18,200.00	6,968.66	18,508.44	7,150.78	327.90	327.10	-97.56	-1,654.17	-10,183.75	1,383.97	734.55	649.42	2.131		
18,300.00	6,968.92	18,608.44	7,151.02	330.74	329.94	-97.56	-1,655.17	-10,283.74	1,384.59	729.52	655.07	2.114		
18,400.00	6,969.19	18,708.44	7,151.26	333.58	332.78	-97.55	-1,656.17	-10,383.73	1,385.21	724.49	660.71	2.097		
18,500.00	6,969.46	18,808.44	7,151.50	336.43	335.62	-97.55	-1,657.18	-10,483.72	1,385.82	719.46	666.36	2.080		
18,600.00	6,969.72	18,908.43	7,151.74	339.27	338.46	-97.54	-1,658.18	-10,583.72	1,386.44	714.43	672.01	2.063		
18,704.56	6,970.00	19,012.99	7,151.99	342.24	341.43	-97.54	-1,659.22	-10,688.27	1,387.09	709.17	677.92	2.046 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14A-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-179.41	-134.80	-1.39	134.80					
100.00	100.00	100.00	100.00	3.28	3.28	-179.41	-134.80	-1.39	134.80	128.24	6.57	20.520		
200.00	200.00	200.00	200.00	3.34	3.34	-179.41	-134.80	-1.39	134.80	128.13	6.67	20.198		
300.00	299.98	299.98	299.98	3.44	3.44	81.33	-134.80	-1.39	134.53	127.64	6.89	19.534		
321.76	321.72	320.89	320.89	3.47	3.47	81.65	-134.86	-1.35	134.47	127.53	6.94	19.363 CC, ES		
400.00	399.84	396.08	396.07	3.60	3.59	83.06	-136.18	-0.57	135.23	128.04	7.19	18.804		
500.00	499.45	492.10	491.96	3.80	3.77	85.33	-140.34	1.89	138.48	130.90	7.59	18.251		
600.00	598.70	587.93	587.44	4.05	3.99	87.97	-147.24	5.97	144.45	136.38	8.07	17.906		
700.00	697.47	683.45	682.30	4.33	4.25	90.79	-156.85	11.65	153.27	144.66	8.62	17.785		
803.50	799.05	781.87	779.60	4.67	4.54	93.70	-169.60	19.19	165.52	156.27	9.25	17.887		
900.00	893.41	873.27	869.45	5.02	4.84	96.06	-184.00	27.71	179.66	169.76	9.90	18.149		
1,000.00	991.20	967.61	961.58	5.41	5.19	97.45	-201.45	38.03	196.68	186.07	10.61	18.541		
1,100.00	1,088.99	1,061.36	1,052.43	5.81	5.56	97.98	-221.37	49.81	215.87	204.51	11.36	19.007		
1,200.00	1,186.78	1,154.33	1,141.72	6.23	5.96	97.85	-243.63	62.98	237.12	224.99	12.13	19.542		
1,300.00	1,284.57	1,246.33	1,229.22	6.67	6.39	97.22	-268.11	77.45	260.43	247.50	12.93	20.137		
1,400.00	1,382.36	1,337.21	1,314.70	7.12	6.84	96.25	-294.65	93.15	285.82	272.08	13.75	20.792		
1,500.00	1,480.15	1,426.79	1,397.96	7.57	7.31	95.05	-323.09	109.96	313.36	298.79	14.57	21.510		
1,600.00	1,577.94	1,517.87	1,481.62	8.03	7.83	93.68	-354.08	128.29	342.93	327.51	15.42	22.238		
1,700.00	1,675.73	1,612.93	1,568.73	8.50	8.39	92.41	-386.84	147.67	373.04	356.71	16.33	22.840		
1,800.00	1,773.52	1,707.99	1,655.84	8.98	8.96	91.34	-419.59	167.04	403.30	386.04	17.26	23.366		
1,900.00	1,871.31	1,803.05	1,742.95	9.45	9.55	90.41	-452.35	186.41	433.66	415.46	18.20	23.826		
2,000.00	1,969.10	1,901.89	1,830.05	9.94	10.18	89.61	-485.11	205.78	464.12	444.95	19.18	24.204		
2,100.00	2,066.88	2,006.84	1,917.16	10.42	10.85	88.90	-517.86	225.15	494.65	474.46	20.19	24.496		
2,200.00	2,164.67	2,088.22	2,004.27	10.91	11.38	88.28	-550.62	244.52	525.24	504.15	21.09	24.906		
2,300.00	2,262.46	2,183.28	2,091.38	11.40	12.00	87.72	-583.37	263.90	555.88	533.81	22.07	25.190		
2,400.00	2,360.25	2,278.34	2,178.49	11.89	12.63	87.22	-616.13	283.27	586.56	563.51	23.05	25.444		
2,500.00	2,458.04	2,373.40	2,265.60	12.39	13.26	86.78	-648.88	302.64	617.28	593.24	24.04	25.673		
2,600.00	2,555.83	2,468.46	2,352.71	12.88	13.90	86.37	-681.64	322.01	648.03	622.99	25.04	25.879		
2,700.00	2,653.62	2,563.52	2,439.82	13.38	14.54	86.00	-714.40	341.38	678.81	652.77	26.04	26.066		
2,800.00	2,751.41	2,658.58	2,526.93	13.88	15.18	85.66	-747.15	360.75	709.61	682.57	27.05	26.237		
2,900.00	2,849.20	2,753.64	2,614.04	14.38	15.83	85.35	-779.91	380.13	740.43	712.38	28.06	26.392		
3,000.00	2,946.99	2,848.69	2,701.15	14.88	16.48	85.07	-812.66	399.50	771.27	742.21	29.07	26.534		
3,100.00	3,044.78	2,943.75	2,788.25	15.38	17.13	84.81	-845.42	418.87	802.13	772.05	30.08	26.665		
3,200.00	3,142.57	3,038.81	2,875.36	15.89	17.78	84.56	-878.17	438.24	833.00	801.90	31.10	26.785		
3,300.00	3,240.36	3,133.87	2,962.47	16.39	18.44	84.34	-910.93	457.61	863.88	831.76	32.12	26.896		
3,400.00	3,338.15	3,228.93	3,049.58	16.89	19.09	84.13	-943.69	476.99	894.77	861.63	33.14	26.999		
3,500.00	3,435.93	3,323.99	3,136.69	17.40	19.75	83.93	-976.44	496.36	925.67	891.51	34.16	27.095		
3,600.00	3,533.72	3,419.05	3,223.80	17.90	20.41	83.75	-1,009.20	515.73	956.59	921.40	35.19	27.183		
3,700.00	3,631.51	3,514.11	3,310.91	18.41	21.06	83.58	-1,041.95	535.10	987.51	951.29	36.22	27.266		
3,800.00	3,729.30	3,609.17	3,398.02	18.92	21.72	83.41	-1,074.71	554.47	1,018.44	981.19	37.25	27.343		
3,900.00	3,827.09	3,704.22	3,485.13	19.42	22.38	83.26	-1,107.46	573.84	1,049.37	1,011.09	38.28	27.415		
4,000.00	3,924.88	3,799.28	3,572.24	19.93	23.05	83.12	-1,140.22	593.22	1,080.31	1,041.00	39.31	27.483		
4,100.00	4,022.67	3,905.66	3,659.35	20.44	23.79	82.98	-1,172.98	612.59	1,111.26	1,070.85	40.41	27.501		
4,200.00	4,120.46	3,989.40	3,746.46	20.95	24.37	82.86	-1,205.73	631.96	1,142.21	1,100.84	41.37	27.606		
4,300.00	4,218.25	4,084.46	3,833.56	21.46	25.04	82.73	-1,238.49	651.33	1,173.17	1,130.76	42.41	27.663		
4,400.00	4,316.04	4,179.52	3,920.67	21.97	25.70	82.62	-1,271.24	670.70	1,204.13	1,160.69	43.45	27.716		
4,500.00	4,413.83	4,274.58	4,007.78	22.48	26.37	82.51	-1,304.00	690.07	1,235.10	1,190.61	44.48	27.766		
4,600.00	4,511.62	4,369.64	4,094.89	22.99	27.03	82.41	-1,336.76	709.45	1,266.07	1,220.55	45.52	27.813		
4,700.00	4,609.41	4,464.70	4,182.00	23.50	27.70	82.31	-1,369.51	728.82	1,297.04	1,250.48	46.56	27.858		
4,800.00	4,707.20	4,559.76	4,269.11	24.01	28.36	82.21	-1,402.27	748.19	1,328.02	1,280.42	47.60	27.901		
4,900.00	4,804.98	4,654.81	4,356.22	24.52	29.03	82.12	-1,435.02	767.56	1,359.00	1,310.36	48.64	27.941		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
5,000.00	4,902.77	4,749.87	4,443.33	25.03	29.70	82.04	-1,467.78	786.93	1,389.98	1,340.30	49.68	27.979		
5,100.00	5,000.56	4,844.93	4,530.44	25.54	30.36	81.95	-1,500.53	806.30	1,420.97	1,370.25	50.72	28.016		
5,200.00	5,098.35	4,939.99	4,617.55	26.05	31.03	81.87	-1,533.29	825.68	1,451.96	1,400.19	51.76	28.051		
5,300.00	5,196.14	5,035.05	4,704.66	26.56	31.70	81.80	-1,566.05	845.05	1,482.95	1,430.14	52.80	28.084		
5,400.00	5,293.93	5,130.11	4,791.76	27.07	32.37	81.73	-1,598.80	864.42	1,513.94	1,460.09	53.85	28.115		
5,500.00	5,391.72	5,225.17	4,878.87	27.58	33.04	81.66	-1,631.56	883.79	1,544.93	1,490.04	54.89	28.146		
5,600.00	5,489.51	5,320.23	4,965.98	28.09	33.71	81.59	-1,664.31	903.16	1,575.93	1,520.00	55.93	28.174		
5,700.00	5,587.30	5,415.29	5,053.09	28.61	34.37	81.53	-1,697.07	922.53	1,606.93	1,549.95	56.98	28.202		
5,800.00	5,685.09	5,510.34	5,140.20	29.12	35.04	81.46	-1,729.82	941.91	1,637.93	1,579.91	58.02	28.228		
5,900.00	5,782.88	5,605.40	5,227.31	29.63	35.71	81.40	-1,762.58	961.28	1,668.93	1,609.86	59.07	28.254		
6,000.00	5,880.67	5,700.46	5,314.42	30.14	36.38	81.35	-1,795.34	980.65	1,699.94	1,639.82	60.12	28.278		
6,100.00	5,978.46	5,804.48	5,401.53	30.65	37.12	81.29	-1,828.09	1,000.02	1,730.94	1,669.73	61.21	28.276		
6,200.00	6,076.25	5,909.42	5,488.64	31.17	37.86	81.24	-1,860.85	1,019.39	1,761.95	1,699.63	62.32	28.272		
6,298.86	6,172.92	5,984.56	5,574.75	31.67	38.39	81.19	-1,893.23	1,038.54	1,792.60	1,729.36	63.24	28.345		
6,300.00	6,174.03	5,985.64	5,575.75	31.68	38.39	81.13	-1,893.60	1,038.76	1,792.96	1,729.70	63.25	28.345		
6,350.00	6,223.30	6,033.10	5,619.24	31.92	38.73	76.36	-1,909.96	1,048.44	1,808.39	1,744.64	63.75	28.365		
6,400.00	6,273.06	6,080.24	5,662.43	32.13	39.06	56.17	-1,926.20	1,058.04	1,823.64	1,759.43	64.21	28.402		
6,450.00	6,323.01	6,126.76	5,705.06	32.32	39.39	-33.16	-1,942.23	1,067.52	1,838.66	1,774.04	64.61	28.456		
6,500.00	6,372.84	6,172.37	5,746.86	32.48	39.71	-64.47	-1,957.95	1,076.82	1,853.41	1,788.43	64.98	28.521		
6,550.00	6,422.24	6,216.80	5,787.57	32.65	40.02	-71.40	-1,973.26	1,085.87	1,867.90	1,802.56	65.33	28.590		
6,600.00	6,470.92	6,259.77	5,826.95	32.83	40.33	-73.98	-1,988.06	1,094.63	1,882.12	1,816.45	65.67	28.662		
6,650.00	6,518.56	6,301.01	5,864.74	33.01	40.62	-75.16	-2,002.27	1,103.03	1,896.11	1,830.13	65.99	28.735		
6,700.00	6,564.89	6,340.28	5,900.73	33.21	40.90	-75.72	-2,015.80	1,111.03	1,909.91	1,843.62	66.29	28.811		
6,750.00	6,609.60	6,377.32	5,934.67	33.43	41.16	-75.96	-2,028.57	1,118.58	1,923.57	1,856.98	66.59	28.888		
6,800.00	6,652.43	6,411.92	5,966.37	33.66	41.40	-76.00	-2,040.49	1,125.63	1,937.13	1,870.26	66.87	28.967		
6,850.00	6,693.10	6,443.85	5,995.64	33.91	41.63	-75.90	-2,051.49	1,132.14	1,950.66	1,883.51	67.16	29.046		
6,900.00	6,731.38	6,472.92	6,022.28	34.20	41.83	-75.68	-2,061.51	1,138.07	1,964.21	1,896.77	67.44	29.125		
6,950.00	6,767.02	6,501.04	6,046.14	34.51	42.03	-75.34	-2,070.48	1,143.37	1,977.82	1,910.08	67.74	29.198		
7,000.00	6,799.81	6,521.79	6,067.06	34.85	42.18	-74.88	-2,078.35	1,148.02	1,991.53	1,923.52	68.02	29.281		
7,050.00	6,829.54	6,541.29	6,084.93	35.24	42.32	-74.30	-2,085.07	1,152.00	2,005.37	1,937.05	68.31	29.355		
7,100.00	6,856.03	6,557.33	6,099.62	35.66	42.43	-73.60	-2,090.60	1,155.27	2,019.34	1,950.72	68.62	29.427		
7,150.00	6,879.11	6,569.80	6,111.06	36.12	42.52	-72.78	-2,094.90	1,157.81	2,033.45	1,964.51	68.94	29.495		
7,200.00	6,898.65	6,578.64	6,119.16	36.62	42.58	-71.82	-2,097.94	1,159.61	2,047.67	1,978.40	69.28	29.558		
7,250.00	6,914.51	6,583.79	6,123.88	37.15	42.62	-70.75	-2,099.72	1,160.66	2,061.96	1,992.34	69.62	29.618		
7,300.00	6,926.62	6,585.22	6,125.19	37.73	42.63	-69.55	-2,100.21	1,160.95	2,076.25	2,006.28	69.97	29.673		
7,350.00	6,934.88	6,582.92	6,123.08	38.34	42.61	-68.25	-2,099.42	1,160.48	2,090.47	2,020.15	70.33	29.726		
7,400.00	6,939.26	6,576.90	6,117.56	38.97	42.57	-66.86	-2,097.34	1,159.25	2,104.52	2,033.84	70.68	29.775		
7,429.12	6,940.00	6,571.70	6,112.79	39.34	42.53	-66.02	-2,095.55	1,158.19	2,112.58	2,041.70	70.88	29.803		
7,500.00	6,940.19	6,557.52	6,099.80	40.31	42.43	-65.62	-2,090.66	1,155.30	2,133.10	2,061.69	71.41	29.872		
7,600.00	6,940.46	6,537.51	6,081.47	41.80	42.29	-65.07	-2,083.77	1,151.23	2,165.51	2,093.28	72.23	29.982		
7,700.00	6,940.72	6,513.08	6,060.69	43.43	50.02	-90.53	-2,409.07	293.14	2,166.28	2,076.35	89.93	24.087		
7,800.00	6,940.99	6,213.08	6,960.94	45.19	51.23	-90.53	-2,408.66	193.15	2,165.50	2,072.13	93.37	23.194		
7,900.00	6,941.25	6,313.07	6,961.19	47.05	52.61	-90.53	-2,408.25	93.15	2,164.71	2,067.70	97.01	22.314		
8,000.00	6,941.52	6,413.07	6,961.44	49.02	54.14	-90.53	-2,407.84	-6.84	2,163.93	2,063.08	100.85	21.456		
8,100.00	6,941.79	6,513.07	6,961.69	51.06	55.82	-90.53	-2,407.43	-106.84	2,163.14	2,058.28	104.86	20.628		
8,200.00	6,942.05	6,613.06	6,961.95	53.18	57.62	-90.53	-2,407.03	-206.83	2,162.36	2,053.33	109.03	19.833		
8,300.00	6,942.32	6,713.06	6,962.20	55.37	59.53	-90.53	-2,406.62	-306.83	2,161.58	2,048.25	113.33	19.074		
8,400.00	6,942.58	6,813.06	6,962.45	57.62	61.53	-90.53	-2,406.21	-406.83	2,160.79	2,043.04	117.75	18.351		
8,500.00	6,942.85	6,913.05	6,962.70	59.92	63.62	-90.53	-2,405.80	-506.82	2,160.01	2,037.73	122.28	17.665		
8,600.00	6,943.12	9,013.05	6,962.95	62.26	65.77	-90.53	-2,405.39	-606.82	2,159.22	2,032.32	126.90	17.015		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
8,700.00	6,943.38	9,113.05	6,963.20	64.65	67.99	-90.53	-2,404.98	-706.81	2,158.44	2,026.82	131.61	16.400		
8,800.00	6,943.65	9,213.05	6,963.46	67.08	70.27	-90.52	-2,404.57	-806.81	2,157.65	2,021.25	136.40	15.819		
8,900.00	6,943.91	9,313.04	6,963.71	69.53	72.59	-90.52	-2,404.16	-906.80	2,156.87	2,015.61	141.26	15.269		
9,000.00	6,944.18	9,413.04	6,963.96	72.02	74.96	-90.52	-2,403.75	-1,006.80	2,156.08	2,009.91	146.17	14.750		
9,100.00	6,944.45	9,513.04	6,964.21	74.54	77.36	-90.52	-2,403.34	-1,106.80	2,155.30	2,004.15	151.15	14.259		
9,200.00	6,944.71	9,613.03	6,964.46	77.07	79.80	-90.52	-2,402.93	-1,206.79	2,154.51	1,998.33	156.18	13.795		
9,300.00	6,944.98	9,713.03	6,964.72	79.63	82.26	-90.52	-2,402.52	-1,306.79	2,153.73	1,992.48	161.25	13.357		
9,400.00	6,945.24	9,813.03	6,964.97	82.21	84.76	-90.52	-2,402.11	-1,406.78	2,152.94	1,986.58	166.36	12.941		
9,500.00	6,945.51	9,913.02	6,965.22	84.81	87.28	-90.52	-2,401.70	-1,506.78	2,152.16	1,980.64	171.52	12.548		
9,600.00	6,945.78	10,013.02	6,965.47	87.43	89.82	-90.52	-2,401.29	-1,606.78	2,151.37	1,974.67	176.70	12.175		
9,700.00	6,946.04	10,113.02	6,965.72	90.05	92.38	-90.52	-2,400.88	-1,706.77	2,150.59	1,968.66	181.92	11.821		
9,800.00	6,946.31	10,213.01	6,965.98	92.70	94.96	-90.52	-2,400.47	-1,806.77	2,149.80	1,962.63	187.17	11.486		
9,900.00	6,946.57	10,313.01	6,966.23	95.35	97.56	-90.52	-2,400.06	-1,906.76	2,149.02	1,956.57	192.45	11.167		
10,000.00	6,946.84	10,413.01	6,966.48	98.02	100.17	-90.52	-2,399.65	-2,006.76	2,148.23	1,950.48	197.75	10.863		
10,100.00	6,947.11	10,513.01	6,966.73	100.70	102.80	-90.52	-2,399.24	-2,106.75	2,147.45	1,944.37	203.07	10.575		
10,200.00	6,947.37	10,613.00	6,966.98	103.38	105.44	-90.52	-2,398.83	-2,206.75	2,146.66	1,938.25	208.42	10.300		
10,300.00	6,947.64	10,713.00	6,967.23	106.08	108.09	-90.52	-2,398.42	-2,306.75	2,145.88	1,932.10	213.78	10.038		
10,400.00	6,947.90	10,813.00	6,967.49	108.78	110.75	-90.52	-2,398.02	-2,406.74	2,145.09	1,925.93	219.16	9.788		
10,500.00	6,948.17	10,912.99	6,967.74	111.49	113.43	-90.52	-2,397.61	-2,506.74	2,144.31	1,919.75	224.56	9.549		
10,600.00	6,948.44	11,012.99	6,967.99	114.21	116.11	-90.52	-2,397.20	-2,606.73	2,143.52	1,913.55	229.97	9.321		
10,700.00	6,948.70	11,112.99	6,968.24	116.94	118.80	-90.52	-2,396.79	-2,706.73	2,142.74	1,907.34	235.40	9.103		
10,800.00	6,948.97	11,212.98	6,968.49	119.67	121.50	-90.52	-2,396.38	-2,806.72	2,141.95	1,901.11	240.84	8.894		
10,900.00	6,949.24	11,312.98	6,968.75	122.41	124.20	-90.52	-2,395.97	-2,906.72	2,141.17	1,894.87	246.30	8.693		
11,000.00	6,949.50	11,412.98	6,969.00	125.15	126.92	-90.52	-2,395.56	-3,006.72	2,140.38	1,888.62	251.76	8.502		
11,100.00	6,949.77	11,512.97	6,969.25	127.90	129.64	-90.52	-2,395.15	-3,106.71	2,139.60	1,882.36	257.24	8.318		
11,200.00	6,950.03	11,612.97	6,969.50	130.65	132.36	-90.52	-2,394.74	-3,206.71	2,138.81	1,876.08	262.73	8.141		
11,300.00	6,950.30	11,712.97	6,969.75	133.41	135.10	-90.52	-2,394.33	-3,306.70	2,138.03	1,869.80	268.23	7.971		
11,400.00	6,950.57	11,812.97	6,970.01	136.17	137.83	-90.52	-2,393.92	-3,406.70	2,137.24	1,863.51	273.73	7.808		
11,500.00	6,950.83	11,912.96	6,970.26	138.94	140.58	-90.52	-2,393.51	-3,506.69	2,136.46	1,857.21	279.25	7.651		
11,600.00	6,951.10	12,012.96	6,970.51	141.71	143.32	-90.52	-2,393.10	-3,606.69	2,135.67	1,850.90	284.77	7.500		
11,700.00	6,951.36	12,112.96	6,970.76	144.48	146.08	-90.52	-2,392.69	-3,706.69	2,134.89	1,844.59	290.30	7.354		
11,800.00	6,951.63	12,212.95	6,971.01	147.26	148.83	-90.52	-2,392.28	-3,806.68	2,134.10	1,838.26	295.84	7.214		
11,900.00	6,951.90	12,312.95	6,971.26	150.03	151.59	-90.52	-2,391.87	-3,906.68	2,133.32	1,831.93	301.38	7.078		
12,000.00	6,952.16	12,412.95	6,971.52	152.82	154.36	-90.52	-2,391.46	-4,006.67	2,132.53	1,825.60	306.93	6.948		
12,100.00	6,952.43	12,512.94	6,971.77	155.60	157.12	-90.52	-2,391.05	-4,106.67	2,131.75	1,819.26	312.49	6.822		
12,200.00	6,952.69	12,612.94	6,972.02	158.39	159.89	-90.52	-2,390.64	-4,206.67	2,130.96	1,812.91	318.05	6.700		
12,300.00	6,952.96	12,712.94	6,972.27	161.18	162.67	-90.52	-2,390.23	-4,306.66	2,130.18	1,806.55	323.62	6.582		
12,400.00	6,953.23	12,812.93	6,972.52	163.97	165.44	-90.52	-2,389.82	-4,406.66	2,129.39	1,800.20	329.20	6.468		
12,500.00	6,953.49	12,912.93	6,972.78	166.77	168.22	-90.52	-2,389.42	-4,506.65	2,128.61	1,793.83	334.77	6.358		
12,600.00	6,953.76	13,002.01	6,973.00	169.56	170.70	-90.52	-2,389.05	-4,595.73	2,127.85	1,787.83	340.02	6.258		
12,605.79	6,953.77	13,002.01	6,973.00	169.72	170.70	-90.52	-2,389.05	-4,595.73	2,127.84	1,787.68	340.16	6.255		
12,700.00	6,954.02	13,002.01	6,973.00	172.36	170.70	-90.52	-2,389.05	-4,595.73	2,129.93	1,787.81	342.12	6.226		
12,800.00	6,954.29	13,002.01	6,973.00	175.16	170.70	-90.52	-2,389.05	-4,595.73	2,136.69	1,793.19	343.49	6.220 SF		
12,900.00	6,954.56	13,002.01	6,973.00	177.97	170.70	-90.52	-2,389.05	-4,595.73	2,148.09	1,803.93	344.16	6.242		
13,000.00	6,954.82	13,002.01	6,973.00	180.77	170.70	-90.52	-2,389.05	-4,595.73	2,164.05	1,819.93	344.12	6.289		
13,100.00	6,955.09	13,002.01	6,973.00	183.58	170.70	-90.52	-2,389.05	-4,595.73	2,184.48	1,841.06	343.42	6.361		
13,200.00	6,955.35	13,002.01	6,973.00	186.38	170.70	-90.52	-2,389.05	-4,595.73	2,209.25	1,867.15	342.10	6.458		
13,300.00	6,955.62	13,002.01	6,973.00	189.19	170.70	-90.52	-2,389.05	-4,595.73	2,238.22	1,898.02	340.21	6.579		
13,400.00	6,955.89	13,002.01	6,973.00	192.00	170.70	-90.52	-2,389.05	-4,595.73	2,271.23	1,933.44	337.79	6.724		
13,500.00	6,956.15	13,002.01	6,973.00	194.82	170.70	-90.52	-2,389.05	-4,595.73	2,308.10	1,973.18	334.92	6.891		
13,600.00	6,956.42	13,002.01	6,973.00	197.63	170.70	-90.52	-2,389.05	-4,595.73	2,348.65	2,017.00	331.66	7.082		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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			
13,700.00	6,956.68	13,002.01	6,973.00	200.44	170.70	-90.52	-2,389.05	-4,595.73	2,392.70	2,064.65	328.05	7.294			
13,800.00	6,956.95	13,002.01	6,973.00	203.26	170.70	-90.52	-2,389.05	-4,595.73	2,440.05	2,115.88	324.17	7.527			
13,900.00	6,957.22	13,002.01	6,973.00	206.08	170.70	-90.52	-2,389.05	-4,595.73	2,490.52	2,170.45	320.07	7.781			
14,000.00	6,957.48	13,002.01	6,973.00	208.89	170.70	-90.52	-2,389.05	-4,595.73	2,543.92	2,228.13	315.79	8.056			
14,100.00	6,957.75	13,002.01	6,973.00	211.71	170.70	-90.52	-2,389.05	-4,595.73	2,600.07	2,288.68	311.39	8.350			
14,200.00	6,958.02	13,002.01	6,973.00	214.53	170.70	-90.52	-2,389.05	-4,595.73	2,658.80	2,351.89	306.91	8.663			
14,300.00	6,958.28	13,002.01	6,973.00	217.36	170.70	-90.52	-2,389.05	-4,595.73	2,719.94	2,417.56	302.38	8.995			
14,400.00	6,958.55	13,002.01	6,973.00	220.18	170.70	-90.52	-2,389.05	-4,595.73	2,783.33	2,485.49	297.84	9.345			
14,500.00	6,958.81	13,002.01	6,973.00	223.00	170.70	-90.52	-2,389.05	-4,595.73	2,848.82	2,555.51	293.31	9.713			
14,600.00	6,959.08	13,002.01	6,973.00	225.83	170.70	-90.52	-2,389.05	-4,595.73	2,916.27	2,627.46	288.81	10.098			
14,700.00	6,959.35	13,002.01	6,973.00	228.65	170.70	-90.52	-2,389.05	-4,595.73	2,985.54	2,701.18	284.36	10.499			
14,800.00	6,959.61	13,002.01	6,973.00	231.48	170.70	-90.52	-2,389.05	-4,595.73	3,056.52	2,776.53	279.99	10.917			
14,900.00	6,959.88	13,002.01	6,973.00	234.30	170.70	-90.52	-2,389.05	-4,595.73	3,129.08	2,853.38	275.70	11.350			
15,000.00	6,960.14	13,002.01	6,973.00	237.13	170.70	-90.52	-2,389.05	-4,595.73	3,203.12	2,931.62	271.50	11.798			
15,100.00	6,960.41	13,002.01	6,973.00	239.96	170.70	-90.52	-2,389.05	-4,595.73	3,278.54	3,011.15	267.39	12.261			
15,200.00	6,960.68	13,002.01	6,973.00	242.79	170.70	-90.52	-2,389.05	-4,595.73	3,355.24	3,091.85	263.40	12.738			
15,300.00	6,960.94	13,002.01	6,973.00	245.62	170.70	-90.52	-2,389.05	-4,595.73	3,433.15	3,173.64	259.51	13.229			
15,400.00	6,961.21	13,002.01	6,973.00	248.45	170.70	-90.52	-2,389.05	-4,595.73	3,512.17	3,256.44	255.73	13.734			
15,500.00	6,961.47	13,002.01	6,973.00	251.28	170.70	-90.52	-2,389.05	-4,595.73	3,592.24	3,340.18	252.06	14.251			
15,600.00	6,961.74	13,002.01	6,973.00	254.11	170.70	-90.52	-2,389.05	-4,595.73	3,673.29	3,424.78	248.51	14.781			
15,700.00	6,962.01	13,002.01	6,973.00	256.94	170.70	-90.52	-2,389.05	-4,595.73	3,755.25	3,510.18	245.07	15.323			
15,800.00	6,962.27	13,002.01	6,973.00	259.77	170.70	-90.52	-2,389.05	-4,595.73	3,838.06	3,596.32	241.74	15.877			
15,900.00	6,962.54	13,002.01	6,973.00	262.61	170.70	-90.52	-2,389.05	-4,595.73	3,921.68	3,683.16	238.52	16.442			
16,000.00	6,962.80	13,002.01	6,973.00	265.44	170.70	-90.52	-2,389.05	-4,595.73	4,006.05	3,770.65	235.40	17.018			
16,100.00	6,963.07	13,002.01	6,973.00	268.28	170.70	-90.52	-2,389.05	-4,595.73	4,091.12	3,858.73	232.39	17.605			
16,200.00	6,963.34	13,002.01	6,973.00	271.11	170.70	-90.52	-2,389.05	-4,595.73	4,176.85	3,947.37	229.48	18.201			
16,300.00	6,963.60	13,002.01	6,973.00	273.95	170.70	-90.52	-2,389.05	-4,595.73	4,263.21	4,036.53	226.67	18.808			
16,400.00	6,963.87	13,002.01	6,973.00	276.78	170.70	-90.52	-2,389.05	-4,595.73	4,350.15	4,126.19	223.96	19.424			
16,500.00	6,964.13	13,002.01	6,973.00	279.62	170.70	-90.52	-2,389.05	-4,595.73	4,437.64	4,216.30	221.34	20.049			
16,600.00	6,964.40	13,002.01	6,973.00	282.46	170.70	-90.52	-2,389.05	-4,595.73	4,525.64	4,306.83	218.81	20.683			
16,700.00	6,964.67	13,002.01	6,973.00	285.29	170.70	-90.52	-2,389.05	-4,595.73	4,614.14	4,397.77	216.37	21.325			
16,800.00	6,964.93	13,002.01	6,973.00	288.13	170.70	-90.52	-2,389.05	-4,595.73	4,703.10	4,489.09	214.01	21.976			
16,900.00	6,965.20	13,002.01	6,973.00	290.97	170.70	-90.52	-2,389.05	-4,595.73	4,792.49	4,580.76	211.73	22.635			
17,000.00	6,965.46	13,002.01	6,973.00	293.81	170.70	-90.52	-2,389.05	-4,595.73	4,882.30	4,672.76	209.53	23.301			
17,100.00	6,965.73	13,002.01	6,973.00	296.65	170.70	-90.52	-2,389.05	-4,595.73	4,972.49	4,765.08	207.41	23.974			
17,200.00	6,966.00	13,002.01	6,973.00	299.49	170.70	-90.52	-2,389.05	-4,595.73	5,063.05	4,857.70	205.36	24.655			
17,300.00	6,966.26	13,002.01	6,973.00	302.32	170.70	-90.52	-2,389.05	-4,595.73	5,153.97	4,950.59	203.38	25.342			
17,400.00	6,966.53	13,002.01	6,973.00	305.16	170.70	-90.52	-2,389.05	-4,595.73	5,245.21	5,043.74	201.46	26.035			
17,500.00	6,966.80	13,002.01	6,973.00	308.00	170.70	-90.52	-2,389.05	-4,595.73	5,336.76	5,137.15	199.61	26.735			
17,600.00	6,967.06	13,002.01	6,973.00	310.85	170.70	-90.52	-2,389.05	-4,595.73	5,428.62	5,230.79	197.83	27.441			
17,700.00	6,967.33	13,002.01	6,973.00	313.69	170.70	-90.52	-2,389.05	-4,595.73	5,520.75	5,324.66	196.10	28.153			
17,800.00	6,967.59	13,002.01	6,973.00	316.53	170.70	-90.52	-2,389.05	-4,595.73	5,613.16	5,418.73	194.43	28.870			
17,900.00	6,967.86	13,002.01	6,973.00	319.37	170.70	-90.52	-2,389.05	-4,595.73	5,705.82	5,513.01	192.81	29.592			
18,000.00	6,968.13	13,002.01	6,973.00	322.21	170.70	-90.52	-2,389.05	-4,595.73	5,798.73	5,607.48	191.25	30.320			
18,100.00	6,968.39	13,002.01	6,973.00	325.05	170.70	-90.52	-2,389.05	-4,595.73	5,891.87	5,702.13	189.74	31.052			
18,200.00	6,968.66	13,002.01	6,973.00	327.90	170.70	-90.52	-2,389.05	-4,595.73	5,985.23	5,796.95	188.28	31.789			
18,300.00	6,968.92	13,002.01	6,973.00	330.74	170.70	-90.52	-2,389.05	-4,595.73	6,078.80	5,891.93	186.87	32.530			
18,400.00	6,969.19	13,002.01	6,973.00	333.58	170.70	-90.52	-2,389.05	-4,595.73	6,172.57	5,987.07	185.50	33.276			
18,500.00	6,969.46	13,002.01	6,973.00	336.43	170.70	-90.52	-2,389.05	-4,595.73	6,266.54	6,082.36	184.17	34.025			
18,600.00	6,969.72	13,002.01	6,973.00	339.27	170.70	-90.52	-2,389.05	-4,595.73	6,360.69	6,177.80	182.89	34.779			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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					
Offset				Semi Major Axis			Distance														
Reference		Offset		Reference		Offset		Highside Toolface		Offset Wellbore Centre		Between Centres		Between Ellipses		Minimum Separation		Separation Factor		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset +N/-S (ft)	Offset +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor									
18,704.56	6,970.00	13,002.01	6,973.00	342.24	170.70	-90.52	-2,389.05	-4,595.73	6,459.32	6,277.73	181.59	35.571									

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-149.73	-1.39	149.74					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-149.73	-1.39	149.74	143.17	6.57	22.793		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-149.73	-1.39	149.74	143.06	6.67	22.436 CC, ES		
300.00	299.98	295.60	295.58	3.44	3.43	80.84	-151.13	-0.63	150.91	144.03	6.88	21.921		
400.00	399.84	391.08	390.94	3.60	3.58	81.74	-155.34	1.63	154.47	147.27	7.20	21.461		
500.00	499.45	486.32	485.84	3.80	3.76	83.14	-162.31	5.39	160.48	152.88	7.61	21.099		
600.00	598.70	581.19	580.07	4.05	3.99	84.91	-172.02	10.62	169.06	160.96	8.10	20.882		
700.00	697.47	675.59	673.41	4.33	4.25	86.92	-184.40	17.29	180.30	171.64	8.65	20.834		
803.50	799.05	772.68	768.87	4.67	4.55	89.09	-199.95	25.67	194.83	185.54	9.30	20.961		
900.00	893.41	862.64	856.75	5.02	4.87	91.01	-216.89	34.80	211.09	201.14	9.94	21.234		
1,000.00	991.20	955.28	946.56	5.41	5.23	92.20	-236.87	45.57	230.47	219.82	10.65	21.632		
1,100.00	1,088.99	1,047.13	1,034.83	5.81	5.61	92.74	-259.19	57.60	252.26	240.86	11.40	22.129		
1,200.00	1,186.78	1,138.01	1,121.34	6.23	6.03	92.78	-283.71	70.81	276.35	264.18	12.17	22.707		
1,300.00	1,284.57	1,227.77	1,205.86	6.67	6.47	92.43	-310.29	85.14	302.69	289.73	12.96	23.359		
1,400.00	1,382.36	1,316.24	1,288.21	7.12	6.93	91.80	-338.76	100.48	331.27	317.51	13.76	24.078		
1,500.00	1,480.15	1,406.65	1,368.09	7.57	7.44	90.98	-368.89	116.71	362.10	347.52	14.58	24.838		
1,600.00	1,577.94	1,497.71	1,454.41	8.03	7.98	90.08	-402.88	135.03	394.14	378.69	15.45	25.509		
1,700.00	1,675.73	1,607.73	1,540.73	8.50	8.66	89.31	-436.86	153.35	426.25	409.81	16.44	25.925		
1,800.00	1,773.52	1,686.83	1,627.05	8.98	9.15	88.65	-470.85	171.66	458.42	441.14	17.29	26.521		
1,900.00	1,871.31	1,781.39	1,713.37	9.45	9.75	88.08	-504.84	189.98	490.64	472.42	18.22	26.922		
2,000.00	1,969.10	1,875.95	1,799.69	9.94	10.36	87.58	-538.83	208.29	522.90	503.72	19.18	27.269		
2,100.00	2,066.88	1,970.51	1,886.01	10.42	10.98	87.13	-572.82	226.61	555.19	535.05	20.14	27.571		
2,200.00	2,164.67	2,065.07	1,972.33	10.91	11.61	86.74	-606.80	244.92	587.50	566.40	21.11	27.835		
2,300.00	2,262.46	2,159.64	2,058.65	11.40	12.24	86.38	-640.79	263.24	619.84	597.76	22.08	28.068		
2,400.00	2,360.25	2,254.20	2,144.97	11.89	12.88	86.06	-674.78	281.56	652.20	629.13	23.07	28.273		
2,500.00	2,458.04	2,348.76	2,231.29	12.39	13.52	85.77	-708.77	299.87	684.57	660.52	24.06	28.455		
2,600.00	2,555.83	2,443.32	2,317.61	12.88	14.16	85.51	-742.76	318.19	716.96	691.91	25.05	28.618		
2,700.00	2,653.62	2,537.88	2,403.93	13.38	14.81	85.27	-776.74	336.50	749.36	723.31	26.05	28.764		
2,800.00	2,751.41	2,632.44	2,490.25	13.88	15.45	85.05	-810.73	354.82	781.77	754.72	27.06	28.895		
2,900.00	2,849.20	2,727.00	2,576.57	14.38	16.11	84.85	-844.72	373.14	814.20	786.13	28.06	29.013		
3,000.00	2,946.99	2,821.56	2,662.89	14.88	16.76	84.66	-878.71	391.45	846.63	817.55	29.07	29.120		
3,100.00	3,044.78	2,916.12	2,749.20	15.38	17.41	84.49	-912.70	409.77	879.06	848.97	30.09	29.217		
3,200.00	3,142.57	3,010.68	2,835.52	15.89	18.07	84.33	-946.68	428.08	911.51	880.40	31.10	29.306		
3,300.00	3,240.36	3,105.24	2,921.84	16.39	18.73	84.18	-980.67	446.40	943.96	911.83	32.12	29.387		
3,400.00	3,338.15	3,199.80	3,008.16	16.89	19.39	84.04	-1,014.66	464.72	976.41	943.27	33.14	29.461		
3,500.00	3,435.93	3,305.64	3,094.48	17.40	20.13	83.90	-1,048.65	483.03	1,008.87	974.64	34.23	29.472		
3,600.00	3,533.72	3,388.92	3,180.80	17.90	20.71	83.78	-1,082.64	501.35	1,041.34	1,006.15	35.19	29.592		
3,700.00	3,631.51	3,483.48	3,267.12	18.41	21.37	83.67	-1,116.62	519.66	1,073.80	1,037.59	36.22	29.650		
3,800.00	3,729.30	3,578.05	3,353.44	18.92	22.04	83.56	-1,150.61	537.98	1,106.28	1,069.03	37.24	29.704		
3,900.00	3,827.09	3,672.61	3,439.76	19.42	22.70	83.45	-1,184.60	556.30	1,138.75	1,100.48	38.27	29.753		
4,000.00	3,924.88	3,767.17	3,526.08	19.93	23.36	83.36	-1,218.59	574.61	1,171.23	1,131.93	39.30	29.800		
4,100.00	4,022.67	3,861.73	3,612.40	20.44	24.03	83.27	-1,252.58	592.93	1,203.71	1,163.38	40.34	29.843		
4,200.00	4,120.46	3,956.29	3,698.72	20.95	24.70	83.18	-1,286.56	611.24	1,236.20	1,194.83	41.37	29.883		
4,300.00	4,218.25	4,050.85	3,785.04	21.46	25.36	83.10	-1,320.55	629.56	1,268.68	1,226.28	42.40	29.920		
4,400.00	4,316.04	4,145.41	3,871.36	21.97	26.03	83.02	-1,354.54	647.88	1,301.17	1,257.74	43.44	29.956		
4,500.00	4,413.83	4,239.97	3,957.68	22.48	26.70	82.94	-1,388.53	666.19	1,333.66	1,289.19	44.47	29.988		
4,600.00	4,511.62	4,334.53	4,044.00	22.99	27.37	82.87	-1,422.52	684.51	1,366.16	1,320.65	45.51	30.019		
4,700.00	4,609.41	4,429.09	4,130.32	23.50	28.03	82.81	-1,456.50	702.82	1,398.65	1,352.10	46.55	30.048		
4,800.00	4,707.20	4,523.65	4,216.64	24.01	28.70	82.74	-1,490.49	721.14	1,431.15	1,383.56	47.58	30.076		
4,900.00	4,804.98	4,618.21	4,302.96	24.52	29.37	82.68	-1,524.48	739.45	1,463.64	1,415.02	48.62	30.101		
5,000.00	4,902.77	4,712.77	4,389.28	25.03	30.04	82.62	-1,558.47	757.77	1,496.14	1,446.48	49.66	30.126		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,807.33	4,475.60	25.54	30.71	82.56	-1,592.46	776.09	1,528.64	1,477.94	50.70	30.149		
5,200.00	5,098.35	4,901.89	4,561.92	26.05	31.38	82.51	-1,626.44	794.40	1,561.15	1,509.40	51.74	30.170		
5,300.00	5,196.14	4,996.46	4,648.24	26.56	32.05	82.46	-1,660.43	812.72	1,593.65	1,540.86	52.79	30.191		
5,400.00	5,293.93	5,108.98	4,734.55	27.07	32.85	82.41	-1,694.42	831.03	1,626.15	1,572.22	53.94	30.150		
5,500.00	5,391.72	5,185.58	4,820.87	27.58	33.40	82.36	-1,728.41	849.35	1,658.66	1,603.79	54.87	30.229		
5,600.00	5,489.51	5,280.14	4,907.19	28.09	34.07	82.31	-1,762.40	867.67	1,691.16	1,635.25	55.91	30.246		
5,700.00	5,587.30	5,374.70	4,993.51	28.61	34.74	82.27	-1,796.38	885.98	1,723.67	1,666.72	56.96	30.263		
5,800.00	5,685.09	5,469.26	5,079.83	29.12	35.41	82.23	-1,830.37	904.30	1,756.18	1,698.18	58.00	30.279		
5,900.00	5,782.88	5,563.82	5,166.15	29.63	36.08	82.19	-1,864.36	922.61	1,788.69	1,729.64	59.04	30.294		
6,000.00	5,880.67	5,658.38	5,252.47	30.14	36.75	82.15	-1,898.35	940.93	1,821.20	1,761.11	60.09	30.308		
6,100.00	5,978.46	5,752.94	5,338.79	30.65	37.43	82.11	-1,932.33	959.25	1,853.71	1,792.57	61.13	30.322		
6,200.00	6,076.25	5,847.50	5,425.11	31.17	38.10	82.07	-1,966.32	977.56	1,886.22	1,824.04	62.18	30.335		
6,298.86	6,172.92	5,940.98	5,510.45	31.67	38.76	82.04	-1,999.92	995.67	1,918.36	1,855.15	63.21	30.347		
6,300.00	6,174.03	5,942.06	5,511.43	31.68	38.77	81.98	-2,000.31	995.88	1,918.73	1,855.51	63.23	30.347		
6,350.00	6,223.30	5,989.30	5,554.55	31.92	39.11	77.29	-2,017.29	1,005.03	1,934.89	1,871.16	63.73	30.363		
6,400.00	6,273.06	6,036.24	5,597.40	32.13	39.44	57.19	-2,034.16	1,014.12	1,950.80	1,886.62	64.18	30.395		
6,450.00	6,323.01	6,082.61	5,639.73	32.32	39.77	-32.05	-2,050.83	1,023.10	1,966.41	1,901.82	64.59	30.444		
6,500.00	6,372.84	6,128.11	5,681.26	32.48	40.10	-63.28	-2,067.18	1,031.91	1,981.68	1,916.71	64.97	30.504		
6,550.00	6,422.24	6,172.46	5,721.75	32.65	40.41	-70.14	-2,083.12	1,040.51	1,996.58	1,931.26	65.32	30.566		
6,600.00	6,470.92	6,215.40	5,760.95	32.83	40.72	-72.65	-2,098.56	1,048.82	2,011.14	1,945.47	65.66	30.629		
6,650.00	6,518.56	6,256.66	5,798.61	33.01	41.01	-73.76	-2,113.39	1,056.81	2,025.35	1,959.36	65.99	30.692		
6,700.00	6,564.89	6,295.98	5,834.50	33.21	41.29	-74.27	-2,127.52	1,064.43	2,039.25	1,972.95	66.31	30.755		
6,750.00	6,609.60	6,333.11	5,868.40	33.43	41.55	-74.47	-2,140.87	1,071.62	2,052.89	1,986.27	66.61	30.818		
6,800.00	6,652.43	6,367.84	5,900.10	33.66	41.80	-74.49	-2,153.35	1,078.35	2,066.30	1,999.38	66.91	30.880		
6,850.00	6,693.10	6,400.05	5,929.41	33.91	42.03	-74.38	-2,164.89	1,084.57	2,079.53	2,012.32	67.21	30.940		
6,900.00	6,731.38	6,429.24	5,956.15	34.20	42.24	-74.16	-2,175.42	1,090.24	2,092.64	2,025.13	67.51	30.999		
6,950.00	6,767.02	6,455.52	5,980.14	34.51	42.43	-73.85	-2,184.86	1,095.33	2,105.66	2,037.85	67.81	31.053		
7,000.00	6,799.81	6,478.64	6,001.25	34.85	42.59	-73.44	-2,193.17	1,099.81	2,118.63	2,050.51	68.11	31.104		
7,050.00	6,829.54	6,501.54	6,019.34	35.24	42.75	-72.93	-2,200.30	1,103.65	2,131.58	2,063.13	68.45	31.141		
7,100.00	6,856.03	6,514.85	6,034.30	35.66	42.85	-72.32	-2,206.19	1,106.82	2,144.52	2,075.76	68.76	31.189		
7,150.00	6,879.11	6,527.70	6,046.03	36.12	42.94	-71.60	-2,210.81	1,109.31	2,157.46	2,088.36	69.10	31.223		
7,200.00	6,898.65	6,536.95	6,054.48	36.62	43.01	-70.77	-2,214.13	1,111.11	2,170.37	2,100.92	69.45	31.249		
7,250.00	6,914.51	6,542.54	6,059.57	37.15	43.05	-69.84	-2,216.14	1,112.19	2,183.23	2,113.41	69.82	31.270		
7,300.00	6,926.62	6,544.42	6,061.30	37.73	43.06	-68.81	-2,216.82	1,112.55	2,195.99	2,125.79	70.19	31.285		
7,350.00	6,934.88	6,542.60	6,059.63	38.34	43.05	-67.68	-2,216.16	1,112.20	2,208.57	2,138.00	70.57	31.295		
7,400.00	6,939.26	6,537.07	6,054.58	38.97	43.01	-66.48	-2,214.17	1,111.13	2,220.90	2,149.94	70.95	31.301		
7,429.12	6,940.00	6,532.16	6,050.10	39.34	42.97	-65.75	-2,212.41	1,110.18	2,227.92	2,156.75	71.17	31.303		
7,500.00	6,940.19	6,518.70	6,037.81	40.31	42.88	-65.40	-2,207.57	1,107.57	2,245.87	2,174.14	71.73	31.308		
7,600.00	6,940.46	6,500.30	6,020.47	41.80	42.75	-64.91	-2,200.74	1,103.89	2,274.58	2,201.96	72.62	31.322		
7,700.00	6,940.72	6,480.71	6,003.14	43.43	42.61	-64.42	-2,193.92	1,100.21	2,307.11	2,233.54	73.57	31.359		
7,800.00	6,940.99	6,461.72	5,985.80	45.19	42.47	-63.93	-2,187.09	1,096.53	2,343.30	2,268.72	74.58	31.421		
7,900.00	6,941.25	6,442.73	5,968.47	47.05	42.34	-63.43	-2,180.27	1,092.85	2,382.99	2,307.38	75.61	31.516		
8,000.00	6,941.52	8,617.39	7,124.63	49.02	55.27	-94.39	-2,627.53	-3.09	2,390.54	2,290.27	100.26	23.842		
8,100.00	6,941.79	8,717.39	7,125.45	51.06	56.83	-94.41	-2,627.26	-103.08	2,389.93	2,285.71	104.22	22.931		
8,200.00	6,942.05	8,817.39	7,126.26	53.18	58.52	-94.42	-2,626.98	-203.07	2,389.33	2,280.99	108.34	22.054		
8,300.00	6,942.32	8,917.38	7,127.07	55.37	60.34	-94.44	-2,626.71	-303.07	2,388.72	2,276.13	112.59	21.215		
8,400.00	6,942.58	9,017.38	7,127.89	57.62	62.27	-94.45	-2,626.44	-403.06	2,388.12	2,271.14	116.97	20.416		
8,500.00	6,942.85	9,117.38	7,128.70	59.92	64.28	-94.46	-2,626.16	-503.05	2,387.51	2,266.05	121.46	19.657		
8,600.00	6,943.12	9,217.37	7,129.51	62.26	66.38	-94.48	-2,625.89	-603.04	2,386.90	2,260.86	126.04	18.937		
8,700.00	6,943.38	9,317.37	7,130.33	64.65	68.54	-94.49	-2,625.61	-703.04	2,386.30	2,255.59	130.71	18.256		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
8,800.00	6,943.65	9,417.36	7,131.14	67.08	70.77	-94.51	-2,625.34	-803.03	2,385.69	2,250.23	135.46	17.611		
8,900.00	6,943.91	9,517.36	7,131.95	69.53	73.05	-94.52	-2,625.06	-903.02	2,385.09	2,244.80	140.29	17.002		
9,000.00	6,944.18	9,617.36	7,132.77	72.02	75.37	-94.54	-2,624.79	-1,003.02	2,384.48	2,239.31	145.17	16.425		
9,100.00	6,944.45	9,717.35	7,133.58	74.54	77.74	-94.55	-2,624.51	-1,103.01	2,383.88	2,233.77	150.11	15.881		
9,200.00	6,944.71	9,817.35	7,134.40	77.07	80.15	-94.56	-2,624.24	-1,203.00	2,383.28	2,228.17	155.11	15.365		
9,300.00	6,944.98	9,917.35	7,135.21	79.63	82.58	-94.58	-2,623.96	-1,302.99	2,382.67	2,222.52	160.15	14.878		
9,400.00	6,945.24	10,017.34	7,136.02	82.21	85.05	-94.59	-2,623.69	-1,402.99	2,382.07	2,216.84	165.23	14.417		
9,500.00	6,945.51	10,117.34	7,136.84	84.81	87.54	-94.61	-2,623.41	-1,502.98	2,381.46	2,211.11	170.35	13.980		
9,600.00	6,945.78	10,217.34	7,137.65	87.43	90.06	-94.62	-2,623.14	-1,602.97	2,380.86	2,205.35	175.51	13.565		
9,700.00	6,946.04	10,317.33	7,138.46	90.05	92.60	-94.64	-2,622.86	-1,702.96	2,380.26	2,199.56	180.70	13.172		
9,800.00	6,946.31	10,417.33	7,139.28	92.70	95.16	-94.65	-2,622.59	-1,802.96	2,379.65	2,193.73	185.92	12.799		
9,900.00	6,946.57	10,517.32	7,140.09	95.35	97.74	-94.66	-2,622.32	-1,902.95	2,379.05	2,187.88	191.17	12.445		
10,000.00	6,946.84	10,617.32	7,140.90	98.02	100.33	-94.68	-2,622.04	-2,002.94	2,378.45	2,182.01	196.44	12.108		
10,100.00	6,947.11	10,717.32	7,141.72	100.70	102.94	-94.69	-2,621.77	-2,102.93	2,377.84	2,176.11	201.73	11.787		
10,200.00	6,947.37	10,817.31	7,142.53	103.38	105.56	-94.71	-2,621.49	-2,202.93	2,377.24	2,170.19	207.05	11.482		
10,300.00	6,947.64	10,917.31	7,143.35	106.08	108.20	-94.72	-2,621.22	-2,302.92	2,376.64	2,164.25	212.39	11.190		
10,400.00	6,947.90	11,017.31	7,144.16	108.78	110.84	-94.74	-2,620.94	-2,402.91	2,376.03	2,158.30	217.74	10.912		
10,500.00	6,948.17	11,117.30	7,144.97	111.49	113.50	-94.75	-2,620.67	-2,502.91	2,375.43	2,152.32	223.11	10.647		
10,600.00	6,948.44	11,217.30	7,145.79	114.21	116.17	-94.77	-2,620.39	-2,602.90	2,374.83	2,146.33	228.50	10.393		
10,700.00	6,948.70	11,317.30	7,146.60	116.94	118.85	-94.78	-2,620.12	-2,702.89	2,374.23	2,140.33	233.90	10.151		
10,800.00	6,948.97	11,417.29	7,147.41	119.67	121.54	-94.79	-2,619.84	-2,802.88	2,373.63	2,134.32	239.31	9.919		
10,900.00	6,949.24	11,517.29	7,148.23	122.41	124.23	-94.81	-2,619.57	-2,902.88	2,373.02	2,128.29	244.74	9.696		
11,000.00	6,949.50	11,617.29	7,149.04	125.15	126.93	-94.82	-2,619.29	-3,002.87	2,372.42	2,122.25	250.18	9.483		
11,100.00	6,949.77	11,717.28	7,149.85	127.90	129.64	-94.84	-2,619.02	-3,102.86	2,371.82	2,116.19	255.63	9.278		
11,200.00	6,950.03	11,817.28	7,150.67	130.65	132.36	-94.85	-2,618.74	-3,202.85	2,371.22	2,110.13	261.09	9.082		
11,300.00	6,950.30	11,917.27	7,151.48	133.41	135.08	-94.87	-2,618.47	-3,302.85	2,370.62	2,104.06	266.56	8.894		
11,400.00	6,950.57	12,017.27	7,152.30	136.17	137.81	-94.88	-2,618.20	-3,402.84	2,370.02	2,097.98	272.03	8.712		
11,500.00	6,950.83	12,117.27	7,153.11	138.94	140.54	-94.90	-2,617.92	-3,502.83	2,369.42	2,091.89	277.52	8.538		
11,600.00	6,951.10	12,217.26	7,153.92	141.71	143.28	-94.91	-2,617.65	-3,602.83	2,368.82	2,085.80	283.02	8.370		
11,700.00	6,951.36	12,317.26	7,154.74	144.48	146.02	-94.93	-2,617.37	-3,702.82	2,368.21	2,079.69	288.52	8.208		
11,800.00	6,951.63	12,417.26	7,155.55	147.26	148.77	-94.94	-2,617.10	-3,802.81	2,367.61	2,073.58	294.03	8.052		
11,900.00	6,951.90	12,517.25	7,156.36	150.03	151.52	-94.95	-2,616.82	-3,902.80	2,367.01	2,067.47	299.55	7.902		
12,000.00	6,952.16	12,617.25	7,157.18	152.82	154.28	-94.97	-2,616.55	-4,002.80	2,366.41	2,061.34	305.07	7.757		
12,100.00	6,952.43	12,717.25	7,157.99	155.60	157.04	-94.98	-2,616.27	-4,102.79	2,365.81	2,055.22	310.60	7.617		
12,200.00	6,952.69	12,817.24	7,158.80	158.39	159.80	-95.00	-2,616.00	-4,202.78	2,365.21	2,049.08	316.13	7.482		
12,300.00	6,952.96	12,917.24	7,159.62	161.18	162.57	-95.01	-2,615.72	-4,302.77	2,364.61	2,042.94	321.67	7.351		
12,400.00	6,953.23	13,017.23	7,160.43	163.97	165.34	-95.03	-2,615.45	-4,402.77	2,364.01	2,036.80	327.22	7.225		
12,500.00	6,953.49	13,117.23	7,161.25	166.77	168.12	-95.04	-2,615.17	-4,502.76	2,363.41	2,030.65	332.77	7.102		
12,600.00	6,953.76	13,217.23	7,162.06	169.56	170.89	-95.06	-2,614.90	-4,602.75	2,362.82	2,024.50	338.32	6.984		
12,603.73	6,953.77	13,220.96	7,162.09	169.67	171.00	-95.06	-2,614.89	-4,606.49	2,362.79	2,024.27	338.53	6.980		
12,700.00	6,954.02	13,210.89	7,162.01	172.36	170.72	-95.06	-2,614.92	-4,596.41	2,364.61	2,024.32	340.29	6.949		
12,800.00	6,954.29	13,210.89	7,162.01	175.16	170.72	-95.06	-2,614.92	-4,596.41	2,370.61	2,028.73	341.88	6.934 SF		
12,900.00	6,954.56	13,210.89	7,162.01	177.97	170.72	-95.06	-2,614.92	-4,596.41	2,380.81	2,037.91	342.89	6.943		
13,000.00	6,954.82	13,210.89	7,162.01	180.77	170.72	-95.06	-2,614.92	-4,596.41	2,395.14	2,051.80	343.34	6.976		
13,100.00	6,955.09	13,210.89	7,162.01	183.58	170.72	-95.06	-2,614.92	-4,596.41	2,413.53	2,070.30	343.23	7.032		
13,200.00	6,955.35	13,210.89	7,162.01	186.38	170.72	-95.06	-2,614.92	-4,596.41	2,435.89	2,093.29	342.60	7.110		
13,300.00	6,955.62	13,210.89	7,162.01	189.19	170.72	-95.06	-2,614.92	-4,596.41	2,462.11	2,120.63	341.48	7.210		
13,400.00	6,955.89	13,210.89	7,162.01	192.00	170.72	-95.06	-2,614.92	-4,596.41	2,492.07	2,152.18	339.90	7.332		
13,500.00	6,956.15	13,210.89	7,162.01	194.82	170.72	-95.06	-2,614.92	-4,596.41	2,525.64	2,187.74	337.90	7.474		
13,600.00	6,956.42	13,210.89	7,162.01	197.63	170.72	-95.06	-2,614.92	-4,596.41	2,562.68	2,227.14	335.54	7.637		
13,700.00	6,956.68	13,210.89	7,162.01	200.44	170.72	-95.06	-2,614.92	-4,596.41	2,603.03	2,270.18	332.85	7.820		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	13,210.89	7,162.01	203.26	170.72	-95.06	-2,614.92	-4,596.41	2,646.54	2,316.67	329.87	8.023		
13,900.00	6,957.22	13,210.89	7,162.01	206.08	170.72	-95.06	-2,614.92	-4,596.41	2,693.07	2,366.41	326.65	8.244		
14,000.00	6,957.48	13,210.89	7,162.01	208.89	170.72	-95.06	-2,614.92	-4,596.41	2,742.45	2,419.22	323.24	8.484		
14,100.00	6,957.75	13,210.89	7,162.01	211.71	170.72	-95.06	-2,614.92	-4,596.41	2,794.55	2,474.89	319.66	8.742		
14,200.00	6,958.02	13,210.89	7,162.01	214.53	170.72	-95.06	-2,614.92	-4,596.41	2,849.20	2,533.25	315.95	9.018		
14,300.00	6,958.28	13,210.89	7,162.01	217.36	170.72	-95.06	-2,614.92	-4,596.41	2,906.26	2,594.11	312.15	9.311		
14,400.00	6,958.55	13,210.89	7,162.01	220.18	170.72	-95.06	-2,614.92	-4,596.41	2,965.60	2,657.32	308.28	9.620		
14,500.00	6,958.81	13,210.89	7,162.01	223.00	170.72	-95.06	-2,614.92	-4,596.41	3,027.08	2,722.71	304.38	9.945		
14,600.00	6,959.08	13,210.89	7,162.01	225.83	170.72	-95.06	-2,614.92	-4,596.41	3,090.58	2,790.12	300.45	10.286		
14,700.00	6,959.35	13,210.89	7,162.01	228.65	170.72	-95.06	-2,614.92	-4,596.41	3,155.96	2,859.43	296.53	10.643		
14,800.00	6,959.61	13,210.89	7,162.01	231.48	170.72	-95.06	-2,614.92	-4,596.41	3,223.13	2,930.49	292.63	11.014		
14,900.00	6,959.88	13,210.89	7,162.01	234.30	170.72	-95.06	-2,614.92	-4,596.41	3,291.96	3,003.19	288.77	11.400		
15,000.00	6,960.14	13,210.89	7,162.01	237.13	170.72	-95.06	-2,614.92	-4,596.41	3,362.35	3,077.40	284.95	11.800		
15,100.00	6,960.41	13,210.89	7,162.01	239.96	170.72	-95.06	-2,614.92	-4,596.41	3,434.22	3,153.03	281.19	12.213		
15,200.00	6,960.68	13,210.89	7,162.01	242.79	170.72	-95.06	-2,614.92	-4,596.41	3,507.46	3,229.97	277.49	12.640		
15,300.00	6,960.94	13,210.89	7,162.01	245.62	170.72	-95.06	-2,614.92	-4,596.41	3,582.00	3,308.13	273.87	13.079		
15,400.00	6,961.21	13,210.89	7,162.01	248.45	170.72	-95.06	-2,614.92	-4,596.41	3,657.75	3,387.43	270.32	13.531		
15,500.00	6,961.47	13,210.89	7,162.01	251.28	170.72	-95.06	-2,614.92	-4,596.41	3,734.65	3,467.79	266.86	13.995		
15,600.00	6,961.74	13,210.89	7,162.01	254.11	170.72	-95.06	-2,614.92	-4,596.41	3,812.62	3,549.14	263.47	14.471		
15,700.00	6,962.01	13,210.89	7,162.01	256.94	170.72	-95.06	-2,614.92	-4,596.41	3,891.59	3,631.41	260.18	14.958		
15,800.00	6,962.27	13,210.89	7,162.01	259.77	170.72	-95.06	-2,614.92	-4,596.41	3,971.51	3,714.55	256.97	15.455		
15,900.00	6,962.54	13,210.89	7,162.01	262.61	170.72	-95.06	-2,614.92	-4,596.41	4,052.33	3,798.48	253.84	15.964		
16,000.00	6,962.80	13,210.89	7,162.01	265.44	170.72	-95.06	-2,614.92	-4,596.41	4,133.98	3,883.17	250.81	16.483		
16,100.00	6,963.07	13,210.89	7,162.01	268.28	170.72	-95.06	-2,614.92	-4,596.41	4,216.42	3,968.57	247.86	17.012		
16,200.00	6,963.34	13,210.89	7,162.01	271.11	170.72	-95.06	-2,614.92	-4,596.41	4,299.61	4,054.62	244.99	17.550		
16,300.00	6,963.60	13,210.89	7,162.01	273.95	170.72	-95.06	-2,614.92	-4,596.41	4,383.50	4,141.29	242.22	18.098		
16,400.00	6,963.87	13,210.89	7,162.01	276.78	170.72	-95.06	-2,614.92	-4,596.41	4,468.06	4,228.54	239.52	18.654		
16,500.00	6,964.13	13,210.89	7,162.01	279.62	170.72	-95.06	-2,614.92	-4,596.41	4,553.24	4,316.33	236.91	19.220		
16,600.00	6,964.40	13,210.89	7,162.01	282.46	170.72	-95.06	-2,614.92	-4,596.41	4,639.01	4,404.64	234.37	19.793		
16,700.00	6,964.67	13,210.89	7,162.01	285.29	170.72	-95.06	-2,614.92	-4,596.41	4,725.34	4,493.42	231.92	20.375		
16,800.00	6,964.93	13,210.89	7,162.01	288.13	170.72	-95.06	-2,614.92	-4,596.41	4,812.20	4,582.67	229.54	20.965		
16,900.00	6,965.20	13,210.89	7,162.01	290.97	170.72	-95.06	-2,614.92	-4,596.41	4,899.56	4,672.33	227.23	21.562		
17,000.00	6,965.46	13,210.89	7,162.01	293.81	170.72	-95.06	-2,614.92	-4,596.41	4,987.40	4,762.40	224.99	22.167		
17,100.00	6,965.73	13,210.89	7,162.01	296.65	170.72	-95.06	-2,614.92	-4,596.41	5,075.69	4,852.86	222.83	22.778		
17,200.00	6,966.00	13,210.89	7,162.01	299.49	170.72	-95.06	-2,614.92	-4,596.41	5,164.40	4,943.67	220.73	23.397		
17,300.00	6,966.26	13,210.89	7,162.01	302.32	170.72	-95.06	-2,614.92	-4,596.41	5,253.52	5,034.82	218.70	24.022		
17,400.00	6,966.53	13,210.89	7,162.01	305.16	170.72	-95.06	-2,614.92	-4,596.41	5,343.02	5,126.29	216.73	24.653		
17,500.00	6,966.80	13,210.89	7,162.01	308.00	170.72	-95.06	-2,614.92	-4,596.41	5,432.89	5,218.07	214.82	25.290		
17,600.00	6,967.06	13,210.89	7,162.01	310.85	170.72	-95.06	-2,614.92	-4,596.41	5,523.11	5,310.14	212.97	25.933		
17,700.00	6,967.33	13,210.89	7,162.01	313.69	170.72	-95.06	-2,614.92	-4,596.41	5,613.66	5,402.48	211.18	26.582		
17,800.00	6,967.59	13,210.89	7,162.01	316.53	170.72	-95.06	-2,614.92	-4,596.41	5,704.53	5,495.08	209.45	27.236		
17,900.00	6,967.86	13,210.89	7,162.01	319.37	170.72	-95.06	-2,614.92	-4,596.41	5,795.69	5,587.93	207.76	27.896		
18,000.00	6,968.13	13,210.89	7,162.01	322.21	170.72	-95.06	-2,614.92	-4,596.41	5,887.15	5,681.02	206.13	28.560		
18,100.00	6,968.39	13,210.89	7,162.01	325.05	170.72	-95.06	-2,614.92	-4,596.41	5,978.88	5,774.33	204.55	29.229		
18,200.00	6,968.66	13,210.89	7,162.01	327.90	170.72	-95.06	-2,614.92	-4,596.41	6,070.86	5,867.85	203.02	29.903		
18,300.00	6,968.92	13,210.89	7,162.01	330.74	170.72	-95.06	-2,614.92	-4,596.41	6,163.10	5,961.57	201.53	30.582		
18,400.00	6,969.19	13,210.89	7,162.01	333.58	170.72	-95.06	-2,614.92	-4,596.41	6,255.58	6,055.49	200.09	31.264		
18,500.00	6,969.46	13,210.89	7,162.01	336.43	170.72	-95.06	-2,614.92	-4,596.41	6,348.28	6,149.59	198.69	31.951		
18,600.00	6,969.72	13,210.89	7,162.01	339.27	170.72	-95.06	-2,614.92	-4,596.41	6,441.21	6,243.87	197.33	32.642		
18,704.56	6,970.00	13,210.89	7,162.01	342.24	170.72	-95.06	-2,614.92	-4,596.41	6,538.59	6,342.63	195.96	33.368		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.53	30.24	0.28	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	30.24	0.28	30.24	23.67	6.57	4.603		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	30.24	0.28	30.24	23.56	6.67	4.531 CC		
300.00	299.98	300.00	299.98	3.44	3.44	-99.42	30.22	2.02	30.52	23.64	6.88	4.433		
400.00	399.84	400.00	399.84	3.60	3.60	-99.28	30.15	7.26	31.37	24.17	7.19	4.361		
500.00	499.45	499.99	499.44	3.80	3.81	-99.05	30.04	15.97	32.77	25.18	7.60	4.314		
600.00	598.70	599.96	598.66	4.05	4.05	-98.76	29.89	28.15	34.74	26.65	8.09	4.295		
700.00	697.47	699.92	697.38	4.33	4.34	-98.43	29.70	43.78	37.27	28.61	8.66	4.303		
803.50	799.05	803.35	798.90	4.67	4.67	-98.07	29.45	63.57	40.47	31.13	9.34	4.335		
900.00	893.41	899.77	892.93	5.02	5.02	-96.27	29.19	84.88	43.77	33.74	10.03	4.362		
1,000.00	991.20	1,000.31	990.30	5.41	5.41	-94.22	28.91	107.33	47.27	36.45	10.81	4.371		
1,100.00	1,088.99	1,100.38	1,087.67	5.81	5.83	-92.45	28.63	129.78	50.81	39.18	11.64	4.367		
1,200.00	1,186.78	1,200.46	1,185.04	6.23	6.26	-90.91	28.35	152.23	54.40	41.91	12.49	4.356		
1,300.00	1,284.57	1,300.53	1,282.41	6.67	6.70	-89.56	28.08	174.68	58.02	44.65	13.37	4.340		
1,400.00	1,382.36	1,400.61	1,379.78	7.12	7.16	-88.37	27.80	197.13	61.67	47.40	14.27	4.321		
1,500.00	1,480.15	1,500.68	1,477.15	7.57	7.62	-87.31	27.52	219.58	65.35	50.15	15.19	4.301		
1,600.00	1,577.94	1,600.76	1,574.52	8.03	8.09	-86.37	27.24	242.03	69.04	52.91	16.13	4.281		
1,700.00	1,675.73	1,700.83	1,671.90	8.50	8.57	-85.52	26.96	264.48	72.75	55.68	17.07	4.261		
1,800.00	1,773.52	1,800.90	1,769.27	8.98	9.06	-84.76	26.68	286.93	76.48	58.45	18.03	4.242		
1,900.00	1,871.31	1,900.98	1,866.64	9.45	9.55	-84.07	26.41	309.38	80.21	61.22	19.00	4.223		
2,000.00	1,969.10	2,001.05	1,964.01	9.94	10.04	-83.43	26.13	331.83	83.96	63.99	19.97	4.205		
2,100.00	2,066.88	2,101.13	2,061.38	10.42	10.53	-82.86	25.85	354.28	87.72	66.77	20.95	4.188		
2,200.00	2,164.67	2,201.20	2,158.75	10.91	11.03	-82.33	25.57	376.73	91.48	69.55	21.93	4.172		
2,300.00	2,262.46	2,301.28	2,256.12	11.40	11.54	-81.84	25.29	399.18	95.26	72.34	22.92	4.156		
2,400.00	2,360.25	2,401.35	2,353.49	11.89	12.04	-81.39	25.01	421.63	99.04	75.13	23.91	4.142		
2,500.00	2,458.04	2,501.42	2,450.86	12.39	12.54	-80.97	24.74	444.08	102.82	77.91	24.91	4.128		
2,600.00	2,555.83	2,598.50	2,548.23	12.88	13.04	-80.58	24.46	466.53	106.61	80.72	25.89	4.118		
2,700.00	2,653.62	2,701.57	2,645.60	13.38	13.56	-80.22	24.18	488.98	110.41	83.50	26.91	4.103		
2,800.00	2,751.41	2,801.65	2,742.97	13.88	14.07	-79.88	23.90	511.43	114.20	86.29	27.91	4.091		
2,900.00	2,849.20	2,901.72	2,840.34	14.38	14.58	-79.57	23.62	533.88	118.01	89.09	28.92	4.081		
3,000.00	2,946.99	3,001.80	2,937.71	14.88	15.10	-79.27	23.34	556.33	121.81	91.88	29.93	4.070		
3,100.00	3,044.78	3,101.87	3,035.08	15.38	15.61	-78.99	23.07	578.78	125.62	94.68	30.94	4.060		
3,200.00	3,142.57	3,201.94	3,132.46	15.89	16.12	-78.73	22.79	601.23	129.43	97.48	31.95	4.051		
3,300.00	3,240.36	3,302.02	3,229.83	16.39	16.64	-78.48	22.51	623.68	133.25	100.28	32.96	4.042		
3,400.00	3,338.15	3,402.09	3,327.20	16.89	17.15	-78.25	22.23	646.13	137.06	103.08	33.98	4.034		
3,500.00	3,435.93	3,497.83	3,424.57	17.40	17.65	-78.03	21.95	668.58	140.88	105.91	34.97	4.028		
3,600.00	3,533.72	3,602.24	3,521.94	17.90	18.19	-77.82	21.67	691.03	144.70	108.69	36.01	4.018		
3,700.00	3,631.51	3,702.32	3,619.31	18.41	18.71	-77.62	21.40	713.48	148.52	111.49	37.03	4.011		
3,800.00	3,729.30	3,797.61	3,716.68	18.92	19.20	-77.44	21.12	735.93	152.35	114.32	38.02	4.007		
3,900.00	3,827.09	3,902.47	3,814.05	19.42	19.74	-77.26	20.84	758.38	156.17	117.10	39.07	3.997		
4,000.00	3,924.88	4,002.54	3,911.42	19.93	20.26	-77.09	20.56	780.83	160.00	119.91	40.09	3.991		
4,100.00	4,022.67	4,097.39	4,008.79	20.44	20.75	-76.92	20.28	803.29	163.83	122.75	41.08	3.988		
4,200.00	4,120.46	4,202.69	4,106.16	20.95	21.30	-76.77	20.00	825.74	167.66	125.53	42.13	3.979		
4,300.00	4,218.25	4,302.76	4,203.53	21.46	21.82	-76.62	19.73	848.19	171.49	128.33	43.16	3.974		
4,400.00	4,316.04	4,402.84	4,300.90	21.97	22.34	-76.48	19.45	870.64	175.32	131.14	44.18	3.968		
4,500.00	4,413.83	4,497.09	4,398.27	22.48	22.83	-76.34	19.17	893.09	179.15	133.98	45.17	3.966		
4,600.00	4,511.62	4,602.99	4,495.64	22.99	23.39	-76.21	18.89	915.54	182.99	136.76	46.23	3.959		
4,700.00	4,609.41	4,703.06	4,593.01	23.50	23.91	-76.09	18.61	937.99	186.82	139.57	47.25	3.954		
4,800.00	4,707.20	4,803.13	4,690.39	24.01	24.43	-75.97	18.33	960.44	190.66	142.38	48.28	3.949		
4,900.00	4,804.98	4,903.21	4,787.76	24.52	24.95	-75.86	18.06	982.89	194.49	145.19	49.30	3.945		
5,000.00	4,902.77	5,003.28	4,885.13	25.03	25.47	-75.75	17.78	1,005.34	198.33	148.00	50.33	3.941		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.00	5,000.56	5,103.36	4,982.50	25.54	26.00	-75.64	17.50	1,027.79	202.17	150.81	51.35	3.937		
5,200.00	5,098.35	5,203.43	5,079.87	26.05	26.52	-75.54	17.22	1,050.24	206.01	153.63	52.38	3.933		
5,300.00	5,196.14	5,303.51	5,177.24	26.56	27.04	-75.44	16.94	1,072.69	209.85	156.44	53.41	3.929		
5,400.00	5,293.93	5,403.58	5,274.61	27.07	27.56	-75.34	16.66	1,095.14	213.69	159.25	54.43	3.926		
5,500.00	5,391.72	5,503.66	5,371.98	27.58	28.09	-75.25	16.39	1,117.59	217.53	162.06	55.46	3.922		
5,600.00	5,489.51	5,596.70	5,469.78	28.09	28.57	-75.17	16.11	1,140.10	221.35	164.90	56.46	3.921		
5,700.00	5,587.30	5,699.87	5,570.81	28.61	29.09	-75.63	15.85	1,160.98	224.28	166.77	57.51	3.900		
5,800.00	5,685.09	5,802.88	5,672.36	29.12	29.59	-76.95	15.64	1,178.18	225.83	167.28	58.55	3.857		
5,900.00	5,782.88	5,905.45	5,774.04	29.63	30.05	-79.10	15.47	1,191.68	226.24	166.67	59.57	3.798		
6,000.00	5,880.67	6,007.34	5,875.45	30.14	30.48	-82.11	15.35	1,201.47	225.89	165.33	60.56	3.730		
6,100.00	5,978.46	6,108.30	5,976.22	30.65	30.89	-85.96	15.27	1,207.60	225.30	163.79	61.51	3.663		
6,167.87	6,044.83	6,176.16	6,044.05	31.00	31.15	-89.05	15.24	1,209.73	225.11	162.99	62.12	3.624		
6,200.00	6,076.25	6,208.08	6,075.96	31.17	31.27	-90.64	15.24	1,210.18	225.17	162.77	62.40	3.609		
6,298.86	6,172.92	6,305.04	6,172.92	31.67	31.63	-95.75	15.24	1,210.28	226.36	163.19	63.17	3.583		
6,300.00	6,174.03	6,306.16	6,174.03	31.68	31.63	-95.90	15.24	1,210.28	226.39	163.20	63.18	3.583		
6,350.00	6,223.30	6,355.42	6,223.30	31.92	31.81	-104.25	15.24	1,210.28	227.79	164.24	63.54	3.585		
6,400.00	6,273.06	6,405.18	6,273.06	32.13	31.99	-126.92	15.24	1,210.28	229.55	165.65	63.90	3.592		
6,450.00	6,323.01	6,455.13	6,323.01	32.32	32.17	142.38	15.24	1,210.28	231.43	167.17	64.26	3.601		
6,500.00	6,372.84	6,504.96	6,372.84	32.48	32.35	110.79	15.24	1,210.28	233.40	168.76	64.64	3.611		
6,550.00	6,422.24	6,554.36	6,422.24	32.65	32.53	104.59	15.24	1,210.28	235.62	170.57	65.05	3.622		
6,600.00	6,470.92	6,603.04	6,470.92	32.83	32.71	103.65	15.24	1,210.28	238.41	172.95	65.46	3.642		
6,650.00	6,518.56	6,650.68	6,518.56	33.01	32.89	104.83	15.24	1,210.28	242.28	176.41	65.87	3.678		
6,700.00	6,564.89	6,702.99	6,564.89	33.21	33.08	107.15	15.24	1,210.28	247.82	181.57	66.25	3.741		
6,750.00	6,609.60	6,742.35	6,610.23	33.43	33.23	110.11	15.24	1,210.25	255.70	189.18	66.52	3.844		
6,800.00	6,652.43	6,792.73	6,660.54	33.66	33.40	113.62	15.36	1,207.80	265.80	199.16	66.64	3.989		
6,850.00	6,693.10	6,845.40	6,712.74	33.91	33.59	117.00	15.71	1,201.00	277.61	211.07	66.54	4.172		
6,900.00	6,731.38	6,900.63	6,766.70	34.20	33.79	120.19	16.30	1,189.26	290.80	224.62	66.18	4.394		
6,950.00	6,767.02	6,958.78	6,822.17	34.51	34.02	123.14	17.18	1,171.92	305.01	239.50	65.51	4.656		
7,000.00	6,799.81	7,020.18	6,878.77	34.85	34.29	125.83	18.39	1,148.19	319.88	255.37	64.51	4.959		
7,050.00	6,829.54	7,085.21	6,935.92	35.24	34.60	128.26	19.96	1,117.26	335.01	271.84	63.17	5.303		
7,100.00	6,856.03	7,154.22	6,992.76	35.66	34.97	130.41	21.94	1,078.25	350.01	288.48	61.54	5.688		
7,150.00	6,879.11	7,227.49	7,048.12	36.12	35.42	132.26	24.37	1,030.37	364.48	304.78	59.70	6.105		
7,200.00	6,898.65	7,305.23	7,100.42	36.62	35.96	133.80	27.28	973.00	378.00	320.19	57.81	6.538		
7,250.00	6,914.51	7,387.43	7,147.67	37.15	36.64	135.01	30.69	905.89	390.16	334.02	56.14	6.949		
7,300.00	6,926.62	7,473.88	7,187.59	37.73	37.47	135.86	34.57	829.39	400.59	345.57	55.02	7.281		
7,350.00	6,934.88	7,563.99	7,217.77	38.34	38.45	136.32	38.88	744.66	408.92	354.13	54.78	7.464		
7,400.00	6,939.26	7,656.88	7,236.03	38.97	39.57	136.38	43.49	653.79	414.87	359.18	55.69	7.450		
7,429.12	6,940.00	7,711.78	7,240.52	39.34	40.28	136.22	46.26	599.16	417.17	360.39	56.78	7.347		
7,500.00	6,940.19	7,806.27	7,241.10	40.31	41.56	135.82	50.42	517.32	419.97	360.93	59.04	7.113		
7,600.00	6,940.46	7,906.42	7,241.26	41.80	43.07	135.28	55.48	417.59	423.72	361.85	61.86	6.849		
7,700.00	6,940.72	7,993.44	7,241.43	43.43	44.49	134.75	60.54	317.87	427.50	362.77	64.73	6.605		
7,800.00	6,940.99	8,106.71	7,241.59	45.19	46.47	134.23	65.61	218.15	431.32	363.19	68.13	6.331		
7,900.00	6,941.25	8,193.14	7,241.76	47.05	48.08	133.72	70.67	118.43	435.17	363.83	71.33	6.100		
8,000.00	6,941.52	8,307.01	7,241.93	49.02	50.30	133.22	75.73	18.70	439.05	363.94	75.11	5.846		
8,100.00	6,941.79	8,407.16	7,242.09	51.06	52.35	132.73	80.79	-81.02	442.97	364.14	78.83	5.619		
8,200.00	6,942.05	8,507.31	7,242.26	53.18	54.47	132.25	85.86	-180.74	446.92	364.24	82.68	5.405		
8,300.00	6,942.32	8,607.45	7,242.43	55.37	56.66	131.78	90.92	-280.47	450.91	364.25	86.66	5.203		
8,400.00	6,942.58	8,707.60	7,242.59	57.62	58.91	131.31	95.98	-380.19	454.92	364.17	90.75	5.013		
8,500.00	6,942.85	8,792.25	7,242.76	59.92	60.85	130.85	101.04	-479.91	458.96	364.30	94.66	4.849		
8,600.00	6,943.12	8,907.90	7,242.92	62.26	63.56	130.40	106.11	-579.64	463.03	363.80	99.23	4.666		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,700.00	6,943.38	9,008.05	7,243.09	64.65	65.95	129.96	111.17	-679.36	467.13	363.52	103.61	4.509		
8,800.00	6,943.65	9,091.80	7,243.26	67.08	67.98	129.53	116.23	-779.08	471.25	363.51	107.74	4.374		
8,900.00	6,943.91	9,208.34	7,243.42	69.53	70.84	129.10	121.29	-878.80	475.41	362.81	112.60	4.222		
9,000.00	6,944.18	9,308.49	7,243.59	72.02	73.33	128.68	126.36	-978.53	479.59	362.39	117.20	4.092		
9,100.00	6,944.45	9,408.64	7,243.76	74.54	75.85	128.27	131.42	-1,078.25	483.79	361.92	121.87	3.970		
9,200.00	6,944.71	9,508.79	7,243.92	77.07	78.39	127.86	136.48	-1,177.97	488.02	361.42	126.59	3.855		
9,300.00	6,944.98	9,608.94	7,244.09	79.63	80.96	127.47	141.55	-1,277.70	492.27	360.89	131.38	3.747		
9,400.00	6,945.24	9,709.09	7,244.25	82.21	83.55	127.07	146.61	-1,377.42	496.55	360.33	136.21	3.645		
9,500.00	6,945.51	9,809.23	7,244.42	84.81	86.15	126.69	151.67	-1,477.14	500.84	359.74	141.10	3.550		
9,600.00	6,945.78	9,909.38	7,244.59	87.43	88.77	126.31	156.73	-1,576.87	505.16	359.13	146.03	3.459		
9,700.00	6,946.04	10,009.53	7,244.75	90.05	91.41	125.94	161.80	-1,676.59	509.51	358.50	151.01	3.374		
9,800.00	6,946.31	10,109.68	7,244.92	92.70	94.06	125.58	166.86	-1,776.31	513.87	357.84	156.03	3.293		
9,900.00	6,946.57	10,209.83	7,245.09	95.35	96.73	125.22	171.92	-1,876.03	518.25	357.17	161.08	3.217		
10,000.00	6,946.84	10,309.98	7,245.25	98.02	99.40	124.86	176.98	-1,975.76	522.66	356.48	166.17	3.145		
10,100.00	6,947.11	10,389.88	7,245.42	100.70	101.55	124.52	182.05	-2,075.48	527.08	356.24	170.84	3.085		
10,200.00	6,947.37	10,489.73	7,245.58	103.38	104.23	124.18	187.11	-2,175.20	531.52	355.53	175.99	3.020		
10,300.00	6,947.64	10,589.58	7,245.75	106.08	106.93	123.84	192.17	-2,274.93	535.98	354.81	181.17	2.958		
10,400.00	6,947.90	10,689.43	7,245.92	108.78	109.64	123.51	197.23	-2,374.65	540.46	354.08	186.38	2.900		
10,500.00	6,948.17	10,789.28	7,246.08	111.49	112.35	123.19	202.30	-2,474.37	544.96	353.34	191.62	2.844		
10,600.00	6,948.44	10,889.13	7,246.25	114.21	115.07	122.87	207.36	-2,574.10	549.47	352.59	196.88	2.791		
10,700.00	6,948.70	10,988.98	7,246.42	116.94	117.80	122.55	212.42	-2,673.82	554.00	351.83	202.17	2.740		
10,800.00	6,948.97	11,088.84	7,246.58	119.67	120.53	122.24	217.49	-2,773.54	558.55	351.07	207.48	2.692		
10,900.00	6,949.24	11,188.69	7,246.75	122.41	123.27	121.94	222.55	-2,873.27	563.11	350.30	212.81	2.646		
11,000.00	6,949.50	11,288.54	7,246.91	125.15	126.02	121.64	227.61	-2,972.99	567.69	349.52	218.17	2.602		
11,100.00	6,949.77	11,388.39	7,247.08	127.90	128.79	121.35	232.69	-3,072.72	571.86	348.74	223.52	2.555		
11,200.00	6,950.03	11,488.24	7,247.25	130.65	132.55	121.06	237.77	-3,172.45	576.03	347.96	228.87	2.508		
11,300.00	6,950.30	11,588.09	7,247.42	133.41	135.31	120.77	242.85	-3,272.18	580.20	347.18	234.22	2.461		
11,400.00	6,950.57	11,687.94	7,247.59	136.17	138.07	120.48	247.93	-3,371.91	584.37	346.40	239.57	2.414		
11,500.00	6,950.83	11,787.79	7,247.76	138.94	140.83	120.19	253.01	-3,471.64	588.54	345.62	244.92	2.367		
11,600.00	6,951.10	11,887.64	7,247.93	141.71	143.60	120.00	258.09	-3,571.37	592.71	344.84	250.27	2.320		
11,700.00	6,951.36	11,987.49	7,248.10	144.48	146.36	120.00	263.17	-3,671.10	596.88	344.06	255.62	2.273		
11,800.00	6,951.63	12,087.34	7,248.27	147.26	149.11	120.00	268.25	-3,770.83	601.05	343.28	260.97	2.226		
11,900.00	6,951.90	12,187.19	7,248.44	150.03	151.86	120.00	273.33	-3,870.56	605.22	342.50	266.32	2.179		
12,000.00	6,952.16	12,287.04	7,248.61	152.82	154.62	120.00	278.41	-3,970.29	609.39	341.72	271.67	2.132		
12,100.00	6,952.43	12,386.89	7,248.78	155.60	157.38	120.00	283.49	-4,069.99	613.56	340.94	277.02	2.085		
12,200.00	6,952.69	12,486.74	7,248.95	158.39	160.14	120.00	288.57	-4,169.72	617.73	340.16	282.37	2.038		
12,300.00	6,952.96	12,586.59	7,249.12	161.18	162.91	120.00	293.65	-4,269.45	621.90	339.38	287.72	1.991		
12,400.00	6,953.23	12,686.44	7,249.29	163.97	165.68	120.00	298.73	-4,369.18	626.07	338.60	293.07	1.944		
12,500.00	6,953.49	12,786.29	7,249.46	166.77	168.45	120.00	303.81	-4,468.91	630.24	337.82	298.42	1.897		
12,600.00	6,953.76	12,886.14	7,249.63	169.56	171.22	120.00	308.89	-4,568.64	634.41	337.04	303.77	1.850		
12,700.00	6,954.02	12,985.99	7,249.80	172.36	174.00	120.00	313.97	-4,668.37	638.58	336.26	309.12	1.803		
12,800.00	6,954.29	13,085.84	7,250.00	175.16	176.78	120.00	319.05	-4,768.10	642.75	335.48	314.47	1.756		
12,900.00	6,954.56	13,185.69	7,250.20	177.97	179.56	120.00	324.13	-4,867.83	646.92	334.70	319.82	1.709		
13,000.00	6,954.82	13,285.54	7,250.41	180.77	182.34	120.00	329.21	-4,967.56	651.09	333.92	325.17	1.662		
13,100.00	6,955.09	13,385.39	7,250.62	183.58	185.13	120.00	334.29	-5,067.29	655.26	333.14	330.52	1.615		
13,200.00	6,955.35	13,485.24	7,250.83	186.38	187.91	120.00	339.37	-5,167.02	659.43	332.36	335.87	1.568		
13,300.00	6,955.62	13,585.09	7,251.04	189.19	190.70	120.00	344.45	-5,266.75	663.60	331.58	341.22	1.521		
13,400.00	6,955.89	13,684.94	7,251.25	192.00	193.49	120.00	349.53	-5,366.48	667.77	330.80	346.57	1.474		
13,500.00	6,956.15	13,784.79	7,251.46	194.82	196.28	120.00	354.61	-5,466.21	671.94	330.02	351.92	1.427		
13,600.00	6,956.42	13,884.64	7,251.67	197.63	199.07	120.00	359.69	-5,565.94	676.11	329.24	357.27	1.380		
13,700.00	6,956.68	13,984.49	7,251.88	200.44	201.87	120.00	364.77	-5,665.67	680.28	328.46	362.62	1.333		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,800.00	6,956.95	14,129.05	7,252.07	203.26	204.66	125.82	142.98	-5,811.78	504.36	164.25	340.11	1.483	Level 3	
13,900.00	6,957.22	14,229.00	7,252.25	206.08	207.46	126.02	139.47	-5,911.67	501.77	157.72	344.05	1.458	Level 3	
14,000.00	6,957.48	14,328.95	7,252.43	208.89	210.26	126.23	135.97	-6,011.55	499.19	151.22	347.97	1.435	Level 3	
14,100.00	6,957.75	14,428.90	7,252.61	211.71	213.06	126.43	132.46	-6,111.44	496.62	144.76	351.86	1.411	Level 3	
14,200.00	6,958.02	14,528.85	7,252.80	214.53	215.86	126.64	128.96	-6,211.33	494.05	138.34	355.72	1.389	Level 3	
14,300.00	6,958.28	14,628.80	7,252.98	217.36	218.66	126.85	125.45	-6,311.22	491.49	131.95	359.54	1.367	Level 3	
14,400.00	6,958.55	14,728.75	7,253.16	220.18	221.47	127.06	121.94	-6,411.11	488.94	125.60	363.34	1.346	Level 3	
14,500.00	6,958.81	14,828.70	7,253.34	223.00	224.27	127.28	118.44	-6,511.00	486.39	119.30	367.10	1.325	Level 3	
14,600.00	6,959.08	14,928.65	7,253.53	225.83	227.08	127.49	114.93	-6,610.89	483.85	113.03	370.82	1.305	Level 3	
14,700.00	6,959.35	15,028.60	7,253.71	228.65	229.88	127.71	111.43	-6,710.78	481.32	106.80	374.52	1.285	Level 3	
14,800.00	6,959.61	15,128.56	7,253.89	231.48	232.69	127.93	107.92	-6,810.67	478.79	100.62	378.17	1.266	Level 3	
14,900.00	6,959.88	15,228.51	7,254.07	234.30	235.50	128.16	104.42	-6,910.56	476.28	94.48	381.80	1.247	Level 2	
15,000.00	6,960.14	15,328.46	7,254.26	237.13	238.31	128.38	100.91	-7,010.45	473.76	88.38	385.38	1.229	Level 2	
15,100.00	6,960.41	15,428.41	7,254.44	239.96	241.12	128.61	97.41	-7,110.34	471.26	82.33	388.93	1.212	Level 2	
15,200.00	6,960.68	15,528.36	7,254.62	242.79	243.93	128.84	93.90	-7,210.23	468.77	76.33	392.44	1.194	Level 2	
15,300.00	6,960.94	15,628.31	7,254.80	245.62	246.74	129.08	90.40	-7,310.11	466.28	70.37	395.91	1.178	Level 2	
15,400.00	6,961.21	15,728.26	7,254.98	248.45	249.55	129.31	86.89	-7,410.00	463.80	64.46	399.34	1.161	Level 2	
15,500.00	6,961.47	15,828.21	7,255.17	251.28	252.37	129.55	83.38	-7,509.89	461.32	58.60	402.72	1.146	Level 2	
15,600.00	6,961.74	15,928.16	7,255.35	254.11	255.18	129.79	79.88	-7,609.78	458.86	52.79	406.07	1.130	Level 2	
15,700.00	6,962.01	16,028.11	7,255.53	256.94	257.99	130.04	76.37	-7,709.67	456.40	47.03	409.37	1.115	Level 2	
15,800.00	6,962.27	16,128.06	7,255.71	259.77	260.81	130.28	72.87	-7,809.56	453.95	41.32	412.63	1.100	Level 2	
15,900.00	6,962.54	16,228.02	7,255.90	262.61	263.63	130.53	69.36	-7,909.45	451.52	35.67	415.85	1.086	Level 2	
16,000.00	6,962.80	16,327.97	7,256.08	265.44	266.44	130.78	65.86	-8,009.34	449.08	30.07	419.01	1.072	Level 2	
16,100.00	6,963.07	16,427.92	7,256.26	268.28	269.26	131.04	62.35	-8,109.23	446.66	24.53	422.14	1.058	Level 2	
16,200.00	6,963.34	16,527.87	7,256.44	271.11	272.08	131.29	58.85	-8,209.12	444.25	19.04	425.21	1.045	Level 2	
16,300.00	6,963.60	16,627.82	7,256.63	273.95	274.90	131.55	55.34	-8,309.01	441.84	13.61	428.24	1.032	Level 2	
16,400.00	6,963.87	16,727.77	7,256.81	276.78	277.72	131.82	51.84	-8,408.90	439.45	8.24	431.21	1.019	Level 2	
16,500.00	6,964.13	16,827.72	7,256.99	279.62	280.54	132.08	48.33	-8,508.79	437.06	2.93	434.13	1.007	Level 2	
16,600.00	6,964.40	16,927.67	7,257.17	282.46	283.36	132.35	44.83	-8,608.68	434.69	-2.32	437.01	0.995	Level 1	
16,700.00	6,964.67	17,027.62	7,257.36	285.29	286.18	132.62	41.32	-8,708.56	432.32	-7.51	439.83	0.983	Level 1	
16,800.00	6,964.93	17,127.57	7,257.54	288.13	289.00	132.90	37.81	-8,808.45	429.96	-12.63	442.59	0.971	Level 1	
16,900.00	6,965.20	17,227.52	7,257.72	290.97	291.82	133.17	34.31	-8,908.34	427.62	-17.69	445.30	0.960	Level 1	
17,000.00	6,965.46	17,327.48	7,257.90	293.81	294.64	133.45	30.80	-9,008.23	425.28	-22.68	447.96	0.949	Level 1	
17,100.00	6,965.73	17,427.43	7,258.08	296.65	297.46	133.74	27.30	-9,108.12	422.95	-27.60	450.55	0.939	Level 1	
17,200.00	6,966.00	17,527.38	7,258.27	299.49	300.29	134.02	23.79	-9,208.01	420.64	-32.45	453.09	0.928	Level 1	
17,300.00	6,966.26	17,627.33	7,258.45	302.32	303.11	134.31	20.29	-9,307.90	418.33	-37.24	455.57	0.918	Level 1	
17,400.00	6,966.53	17,727.28	7,258.63	305.16	305.93	134.61	16.78	-9,407.79	416.04	-41.95	457.99	0.908	Level 1	
17,500.00	6,966.80	17,827.23	7,258.81	308.00	308.76	134.90	13.28	-9,507.68	413.75	-46.59	460.34	0.899	Level 1	
17,600.00	6,967.06	17,927.18	7,259.00	310.85	311.58	135.20	9.77	-9,607.57	411.48	-51.15	462.64	0.889	Level 1	
17,700.00	6,967.33	18,027.13	7,259.18	313.69	314.41	135.50	6.27	-9,707.46	409.22	-55.64	464.86	0.880	Level 1	
17,800.00	6,967.59	18,127.08	7,259.36	316.53	317.23	135.81	2.76	-9,807.35	406.97	-60.05	467.03	0.871	Level 1	
17,900.00	6,967.86	18,227.03	7,259.54	319.37	320.06	136.12	-0.74	-9,907.24	404.73	-64.39	469.12	0.863	Level 1	
18,000.00	6,968.13	18,326.98	7,259.73	322.21	322.89	136.43	-4.25	-10,007.12	402.51	-68.64	471.15	0.854	Level 1	
18,100.00	6,968.39	18,426.94	7,259.91	325.05	325.71	136.75	-7.76	-10,107.01	400.30	-72.81	473.11	0.846	Level 1	
18,200.00	6,968.66	18,526.89	7,260.09	327.90	328.54	137.07	-11.26	-10,206.90	398.09	-76.90	474.99	0.838	Level 1	
18,300.00	6,968.92	18,626.84	7,260.27	330.74	331.37	137.39	-14.77	-10,306.79	395.91	-80.90	476.81	0.830	Level 1	
18,400.00	6,969.19	18,726.79	7,260.45	333.58	334.19	137.72	-18.27	-10,406.68	393.73	-84.82	478.55	0.823	Level 1	
18,500.00	6,969.46	18,826.74	7,260.64	336.43	337.02	138.05	-21.78	-10,506.57	391.57	-88.65	480.21	0.815	Level 1	
18,600.00	6,969.72	18,926.69	7,260.82	339.27	339.85	138.39	-25.28	-10,606.46	389.42	-92.39	481.81	0.808	Level 1	
18,704.56	6,970.00	19,026.64	7,261.00	342.11	342.66	138.72	-28.76	-10,706.35	387.22	-96.20	483.42	0.801	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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.35	45.17	0.28	45.17					
100.00	100.00	100.00	100.00	3.28	3.28	0.35	45.17	0.28	45.17	38.60	6.57	6.876		
200.00	200.00	200.00	200.00	3.34	3.34	0.35	45.17	0.28	45.17	38.50	6.67	6.768 CC		
300.00	299.98	299.71	299.69	3.44	3.44	-99.65	45.47	1.99	45.78	38.89	6.88	6.649		
400.00	399.84	399.41	399.25	3.60	3.60	-99.64	46.37	7.11	47.59	40.40	7.19	6.615		
500.00	499.45	499.06	498.51	3.80	3.81	-99.63	47.88	15.64	50.61	43.01	7.60	6.660		
600.00	598.70	598.64	597.36	4.05	4.05	-99.62	49.98	27.55	54.84	46.74	8.09	6.777		
700.00	697.47	698.14	695.64	4.33	4.33	-99.59	52.67	42.82	60.26	51.59	8.66	6.956		
803.50	799.05	801.08	796.69	4.67	4.67	-99.59	56.07	62.11	67.11	57.78	9.33	7.190		
900.00	893.41	902.67	890.93	5.02	5.03	-100.07	59.46	81.35	74.01	63.97	10.04	7.372		
1,000.00	991.20	1,002.93	988.60	5.41	5.41	-100.48	62.98	101.28	81.17	70.37	10.80	7.514		
1,100.00	1,088.99	1,103.19	1,086.27	5.81	5.81	-100.82	66.50	121.22	88.33	76.72	11.60	7.612		
1,200.00	1,186.78	1,203.45	1,183.93	6.23	6.23	-101.12	70.01	141.16	95.49	83.05	12.44	7.678		
1,300.00	1,284.57	1,303.70	1,281.60	6.67	6.65	-101.37	73.53	161.09	102.66	89.36	13.30	7.721		
1,400.00	1,382.36	1,396.04	1,379.26	7.12	7.06	-101.59	77.04	181.03	109.82	95.68	14.14	7.766		
1,500.00	1,480.15	1,504.22	1,476.93	7.57	7.54	-101.78	80.56	200.96	116.99	101.92	15.07	7.762		
1,600.00	1,577.94	1,604.48	1,574.60	8.03	8.00	-101.95	84.07	220.90	124.16	108.17	15.98	7.768		
1,700.00	1,675.73	1,704.74	1,672.26	8.50	8.46	-102.10	87.59	240.84	131.33	114.42	16.91	7.768		
1,800.00	1,773.52	1,804.99	1,769.93	8.98	8.92	-102.24	91.10	260.77	138.50	120.66	17.84	7.763		
1,900.00	1,871.31	1,905.25	1,867.60	9.45	9.39	-102.36	94.62	280.71	145.67	126.89	18.78	7.756		
2,000.00	1,969.10	2,005.51	1,965.26	9.94	9.87	-102.47	98.13	300.64	152.84	133.11	19.73	7.746		
2,100.00	2,066.88	2,105.77	2,062.93	10.42	10.34	-102.58	101.65	320.58	160.01	139.33	20.69	7.735		
2,200.00	2,164.67	2,206.02	2,160.59	10.91	10.82	-102.67	105.16	340.51	167.19	145.54	21.65	7.723		
2,300.00	2,262.46	2,306.28	2,258.26	11.40	11.31	-102.75	108.68	360.45	174.36	151.74	22.61	7.710		
2,400.00	2,360.25	2,406.54	2,355.93	11.89	11.79	-102.83	112.19	380.39	181.53	157.95	23.58	7.697		
2,500.00	2,458.04	2,506.80	2,453.59	12.39	12.28	-102.90	115.71	400.32	188.71	164.15	24.56	7.684		
2,600.00	2,555.83	2,607.06	2,551.26	12.88	12.76	-102.97	119.22	420.26	195.88	170.34	25.53	7.671		
2,700.00	2,653.62	2,707.31	2,648.92	13.38	13.25	-103.03	122.74	440.19	203.05	176.54	26.51	7.658		
2,800.00	2,751.41	2,807.57	2,746.59	13.88	13.74	-103.09	126.25	460.13	210.23	182.73	27.50	7.645		
2,900.00	2,849.20	2,907.83	2,844.26	14.38	14.24	-103.15	129.77	480.07	217.40	188.92	28.48	7.633		
3,000.00	2,946.99	3,008.09	2,941.92	14.88	14.73	-103.20	133.28	500.00	224.58	195.11	29.47	7.621		
3,100.00	3,044.78	3,091.65	3,039.59	15.38	15.14	-103.24	136.80	519.94	231.75	201.38	30.38	7.630		
3,200.00	3,142.57	3,208.60	3,137.26	15.89	15.72	-103.29	140.32	539.87	238.93	207.48	31.45	7.597		
3,300.00	3,240.36	3,308.86	3,234.92	16.39	16.21	-103.33	143.83	559.81	246.10	213.66	32.44	7.586		
3,400.00	3,338.15	3,409.12	3,332.59	16.89	16.71	-103.37	147.35	579.75	253.28	219.84	33.43	7.575		
3,500.00	3,435.93	3,509.38	3,430.25	17.40	17.20	-103.41	150.86	599.68	260.45	226.02	34.43	7.565		
3,600.00	3,533.72	3,609.64	3,527.92	17.90	17.70	-103.44	154.38	619.62	267.63	232.20	35.43	7.555		
3,700.00	3,631.51	3,709.89	3,625.59	18.41	18.20	-103.48	157.89	639.55	274.81	238.38	36.42	7.545		
3,800.00	3,729.30	3,789.85	3,723.25	18.92	18.60	-103.51	161.41	659.49	281.98	244.66	37.32	7.556		
3,900.00	3,827.09	3,889.59	3,820.92	19.42	19.09	-103.54	164.92	679.43	289.16	250.84	38.32	7.547		
4,000.00	3,924.88	3,989.33	3,918.59	19.93	19.59	-103.57	168.44	699.36	296.33	257.02	39.31	7.538		
4,100.00	4,022.67	4,089.08	4,016.25	20.44	20.09	-103.60	171.95	719.30	303.51	263.20	40.31	7.529		
4,200.00	4,120.46	4,188.82	4,113.92	20.95	20.58	-103.62	175.47	739.23	310.69	269.37	41.31	7.521		
4,300.00	4,218.25	4,288.56	4,211.58	21.46	21.08	-103.65	178.98	759.17	317.86	275.55	42.31	7.513		
4,400.00	4,316.04	4,388.30	4,309.25	21.97	21.58	-103.67	182.50	779.11	325.04	281.73	43.31	7.505		
4,500.00	4,413.83	4,488.04	4,406.92	22.48	22.08	-103.69	186.01	799.04	332.21	287.90	44.31	7.497		
4,600.00	4,511.62	4,587.79	4,504.58	22.99	22.58	-103.72	189.53	818.98	339.39	294.08	45.31	7.490		
4,700.00	4,609.41	4,687.53	4,602.25	23.50	23.07	-103.74	193.04	838.91	346.57	300.25	46.32	7.483		
4,800.00	4,707.20	4,787.27	4,699.91	24.01	23.57	-103.76	196.56	858.85	353.74	306.43	47.32	7.476		
4,900.00	4,804.98	4,887.01	4,797.58	24.52	24.07	-103.78	200.07	878.78	360.92	312.60	48.32	7.469		
5,000.00	4,902.77	4,986.75	4,895.25	25.03	24.57	-103.79	203.59	898.72	368.10	318.77	49.32	7.463		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,086.50	4,992.91	25.54	25.07	-103.81	207.10	918.66	375.27	324.95	50.33	7.457		
5,200.00	5,098.35	5,186.24	5,090.58	26.05	25.57	-103.83	210.62	938.59	382.45	331.12	51.33	7.451		
5,300.00	5,196.14	5,285.98	5,188.25	26.56	26.07	-103.85	214.14	958.53	389.63	337.29	52.34	7.445		
5,400.00	5,293.93	5,385.72	5,285.91	27.07	26.57	-103.86	217.65	978.46	396.80	343.46	53.34	7.439		
5,500.00	5,391.72	5,485.46	5,383.58	27.58	27.07	-103.88	221.17	998.40	403.98	349.64	54.35	7.434		
5,600.00	5,489.51	5,585.21	5,481.24	28.09	27.57	-103.89	224.68	1,018.34	411.16	355.81	55.35	7.428		
5,700.00	5,587.30	5,684.95	5,578.91	28.61	28.07	-103.91	228.20	1,038.27	418.33	361.98	56.36	7.423		
5,800.00	5,685.09	5,784.69	5,676.58	29.12	28.57	-103.92	231.71	1,058.21	425.51	368.15	57.36	7.418		
5,900.00	5,782.88	5,884.43	5,774.24	29.63	29.08	-103.93	235.23	1,078.14	432.69	374.32	58.37	7.413		
6,000.00	5,880.67	5,984.17	5,871.91	30.14	29.58	-103.95	238.74	1,098.08	439.86	380.49	59.38	7.408		
6,100.00	5,978.46	6,083.92	5,969.58	30.65	30.08	-103.96	242.26	1,118.02	447.04	386.66	60.38	7.404		
6,200.00	6,076.25	6,183.66	6,067.24	31.17	30.58	-103.97	245.77	1,137.95	454.22	392.83	61.39	7.399		
6,298.86	6,172.92	6,282.26	6,163.79	31.67	31.07	-103.98	249.25	1,157.66	461.31	398.93	62.38	7.395		
6,300.00	6,174.03	6,283.40	6,164.91	31.68	31.08	-104.08	249.29	1,157.89	461.40	399.00	62.40	7.395		
6,350.00	6,223.30	6,333.23	6,213.70	31.92	31.33	-110.29	251.04	1,167.85	464.86	401.97	62.89	7.391		
6,400.00	6,273.06	6,382.76	6,262.20	32.13	31.58	-131.27	252.79	1,177.75	468.11	404.74	63.37	7.387		
6,450.00	6,323.01	6,431.70	6,310.12	32.32	31.83	139.20	254.51	1,187.53	471.29	407.45	63.83	7.383		
6,500.00	6,372.84	6,479.73	6,357.15	32.48	32.07	108.21	256.21	1,197.13	474.60	410.31	64.28	7.383		
6,550.00	6,422.24	6,526.54	6,403.17	32.65	32.29	101.93	257.89	1,205.46	478.33	413.61	64.72	7.391		
6,600.00	6,470.92	6,574.18	6,450.50	32.83	32.50	100.10	259.68	1,210.52	482.64	417.49	65.15	7.408		
6,650.00	6,518.56	6,623.05	6,499.30	33.01	32.70	99.74	261.61	1,212.02	487.51	421.94	65.57	7.435		
6,700.00	6,564.89	6,673.24	6,549.38	33.21	32.88	100.03	263.68	1,209.66	492.90	426.92	65.98	7.470		
6,750.00	6,609.60	6,724.88	6,600.54	33.43	33.07	100.65	265.87	1,203.12	498.76	432.37	66.39	7.512		
6,800.00	6,652.43	6,778.08	6,652.51	33.66	33.26	101.44	268.18	1,192.06	505.03	438.24	66.79	7.561		
6,850.00	6,693.10	6,832.97	6,704.97	33.91	33.48	102.32	270.62	1,176.15	511.62	444.45	67.18	7.616		
6,900.00	6,731.38	6,889.65	6,757.49	34.20	33.71	103.25	273.17	1,155.03	518.46	450.92	67.54	7.677		
6,950.00	6,767.02	6,948.24	6,809.58	34.51	33.98	104.18	275.81	1,128.39	525.42	457.55	67.87	7.742		
7,000.00	6,799.81	7,008.83	6,860.63	34.85	34.27	105.09	278.53	1,095.91	532.39	464.22	68.17	7.809		
7,050.00	6,829.54	7,071.47	6,909.91	35.24	34.63	105.96	281.31	1,057.39	539.25	470.77	68.48	7.875		
7,100.00	6,856.03	7,136.19	6,956.60	35.66	35.03	106.76	284.11	1,012.69	545.87	477.07	68.80	7.934		
7,150.00	6,879.11	7,202.97	6,999.76	36.12	35.50	107.48	286.89	961.85	552.11	482.93	69.18	7.980		
7,200.00	6,898.65	7,271.73	7,038.38	36.62	36.05	108.11	289.61	905.08	557.83	488.15	69.68	8.006		
7,250.00	6,914.51	7,342.30	7,071.42	37.15	36.69	108.62	292.22	842.82	562.91	492.58	70.33	8.004		
7,300.00	6,926.62	7,414.45	7,097.87	37.73	37.42	109.00	294.67	775.77	567.23	496.03	71.20	7.967		
7,350.00	6,934.88	7,487.89	7,116.83	38.34	38.25	109.25	296.89	704.90	570.69	498.38	72.31	7.892		
7,400.00	6,939.26	7,562.22	7,127.59	38.97	39.15	109.34	298.84	631.42	573.21	499.53	73.67	7.780		
7,429.12	6,940.00	7,605.77	7,129.89	39.34	39.70	109.32	299.83	587.95	574.22	499.65	74.58	7.700		
7,500.00	6,940.19	7,680.16	7,130.12	40.31	40.70	109.27	301.37	513.58	575.86	499.37	76.50	7.528		
7,600.00	6,940.46	7,780.13	7,130.32	41.80	42.16	109.18	303.44	413.63	578.15	498.77	79.37	7.284		
7,700.00	6,940.72	7,880.10	7,130.51	43.43	43.76	109.09	305.50	313.68	580.43	497.92	82.51	7.035		
7,800.00	6,940.99	7,980.07	7,130.70	45.19	45.49	109.01	307.57	213.73	582.72	496.84	85.88	6.785		
7,900.00	6,941.25	8,080.04	7,130.90	47.05	47.33	108.92	309.64	113.78	585.00	495.54	89.46	6.539		
8,000.00	6,941.52	8,180.01	7,131.09	49.02	49.26	108.84	311.71	13.83	587.29	494.07	93.23	6.300		
8,100.00	6,941.79	8,279.98	7,131.28	51.06	51.29	108.76	313.77	-86.12	589.58	492.42	97.16	6.068		
8,200.00	6,942.05	8,379.95	7,131.48	53.18	53.39	108.67	315.84	-186.06	591.87	490.63	101.24	5.846		
8,300.00	6,942.32	8,479.92	7,131.67	55.37	55.56	108.59	317.91	-286.01	594.17	488.72	105.45	5.635		
8,400.00	6,942.58	8,579.89	7,131.87	57.62	57.78	108.51	319.98	-385.96	596.46	486.68	109.78	5.433		
8,500.00	6,942.85	8,679.86	7,132.06	59.92	60.07	108.43	322.04	-485.91	598.76	484.55	114.21	5.243		
8,600.00	6,943.12	8,779.83	7,132.25	62.26	62.40	108.35	324.11	-585.86	601.05	482.33	118.73	5.062		
8,700.00	6,943.38	8,879.80	7,132.45	64.65	64.77	108.27	326.18	-685.81	603.35	480.02	123.33	4.892		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 9N-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		
8,800.00	6,943.65	8,979.77	7,132.64	67.08	67.19	108.19	328.25	-785.76	605.65	477.64	128.01	4.731		
8,900.00	6,943.91	9,079.74	7,132.84	69.53	69.63	108.11	330.32	-885.70	607.95	475.19	132.75	4.579		
9,000.00	6,944.18	9,179.71	7,133.03	72.02	72.11	108.04	332.38	-985.65	610.25	472.69	137.56	4.436		
9,100.00	6,944.45	9,279.68	7,133.22	74.54	74.62	107.96	334.45	-1,085.60	612.55	470.13	142.42	4.301		
9,200.00	6,944.71	9,379.65	7,133.42	77.07	77.15	107.88	336.52	-1,185.55	614.85	467.52	147.33	4.173		
9,300.00	6,944.98	9,479.62	7,133.61	79.63	79.70	107.81	338.59	-1,285.50	617.16	464.87	152.28	4.053		
9,400.00	6,945.24	9,579.59	7,133.80	82.21	82.27	107.73	340.65	-1,385.45	619.46	462.18	157.28	3.939		
9,500.00	6,945.51	9,679.56	7,134.00	84.81	84.87	107.66	342.72	-1,485.39	621.77	459.46	162.31	3.831		
9,600.00	6,945.78	9,779.53	7,134.19	87.43	87.48	107.58	344.79	-1,585.34	624.07	456.69	167.38	3.728		
9,700.00	6,946.04	9,879.50	7,134.39	90.05	90.10	107.51	346.86	-1,685.29	626.38	453.90	172.48	3.632		
9,800.00	6,946.31	9,979.47	7,134.58	92.70	92.74	107.43	348.92	-1,785.24	628.69	451.08	177.61	3.540		
9,900.00	6,946.57	10,079.44	7,134.77	95.35	95.39	107.36	350.99	-1,885.19	631.00	448.24	182.76	3.453		
10,000.00	6,946.84	10,179.41	7,134.97	98.02	98.06	107.29	353.06	-1,985.14	633.31	445.37	187.94	3.370		
10,100.00	6,947.11	10,279.38	7,135.16	100.70	100.73	107.22	355.13	-2,085.09	635.63	442.48	193.15	3.291		
10,200.00	6,947.37	10,379.35	7,135.35	103.38	103.42	107.15	357.20	-2,185.03	637.94	439.56	198.37	3.216		
10,300.00	6,947.64	10,479.32	7,135.55	106.08	106.11	107.08	359.26	-2,284.98	640.25	436.63	203.62	3.144		
10,400.00	6,947.90	10,579.29	7,135.74	108.78	108.82	107.01	361.33	-2,384.93	642.57	433.68	208.89	3.076		
10,500.00	6,948.17	10,679.26	7,135.94	111.49	111.53	106.94	363.40	-2,484.88	644.88	430.72	214.17	3.011		
10,600.00	6,948.44	10,779.23	7,136.13	114.21	114.25	106.87	365.47	-2,584.83	647.20	427.73	219.47	2.949		
10,700.00	6,948.70	10,879.20	7,136.32	116.94	116.97	106.80	367.53	-2,684.78	649.52	424.74	224.78	2.890		
10,800.00	6,948.97	10,979.17	7,136.52	119.67	119.71	106.73	369.60	-2,784.73	651.84	421.73	230.11	2.833		
10,900.00	6,949.24	11,079.14	7,136.71	122.41	122.45	106.66	371.67	-2,884.67	654.16	418.70	235.45	2.778		
11,000.00	6,949.50	11,179.11	7,136.91	125.15	125.19	106.60	373.74	-2,984.62	656.48	415.67	240.81	2.726		
11,100.00	6,949.77	11,279.08	7,137.10	127.90	127.94	106.53	375.80	-3,084.57	658.80	412.62	246.18	2.676		
11,200.00	6,950.03	11,379.05	7,137.29	130.65	130.69	106.46	377.87	-3,184.52	661.12	409.57	251.56	2.628		
11,300.00	6,950.30	11,479.02	7,137.49	133.41	133.45	106.40	379.94	-3,284.47	663.45	406.50	256.95	2.582		
11,400.00	6,950.57	11,578.99	7,137.68	136.17	136.22	106.33	382.01	-3,384.42	665.77	403.42	262.35	2.538		
11,500.00	6,950.83	11,678.96	7,137.87	138.94	138.99	106.27	384.07	-3,484.37	668.10	400.33	267.76	2.495		
11,600.00	6,951.10	11,778.93	7,138.07	141.71	141.76	106.20	386.14	-3,584.31	670.42	397.24	273.18	2.454		
11,700.00	6,951.36	11,878.90	7,138.26	144.48	144.53	106.14	388.21	-3,684.26	672.75	394.14	278.61	2.415		
11,800.00	6,951.63	11,978.87	7,138.46	147.26	147.31	106.07	390.28	-3,784.21	675.08	391.02	284.05	2.377		
11,900.00	6,951.90	12,078.84	7,138.65	150.03	150.09	106.01	392.35	-3,884.16	677.41	387.91	289.50	2.340		
12,000.00	6,952.16	12,178.81	7,138.84	152.82	152.88	105.95	394.41	-3,984.11	679.73	384.78	294.95	2.305		
12,100.00	6,952.43	12,278.78	7,139.04	155.60	155.67	105.89	396.48	-4,084.06	682.07	381.65	300.42	2.270		
12,200.00	6,952.69	12,378.75	7,139.23	158.39	158.46	105.82	398.55	-4,184.01	684.40	378.51	305.89	2.237		
12,300.00	6,952.96	12,478.72	7,139.43	161.18	161.25	105.76	400.62	-4,283.95	686.73	375.37	311.36	2.206		
12,400.00	6,953.23	12,578.69	7,139.62	163.97	164.05	105.70	402.68	-4,383.90	689.06	372.21	316.85	2.175		
12,500.00	6,953.49	12,678.66	7,139.81	166.77	166.85	105.64	404.75	-4,483.85	691.39	369.06	322.33	2.145		
12,600.00	6,953.76	12,778.63	7,140.01	169.56	169.65	105.58	406.82	-4,583.80	693.73	365.90	327.83	2.116		
12,700.00	6,954.02	12,878.60	7,140.20	172.36	172.45	105.52	408.89	-4,683.75	696.06	362.73	333.33	2.088		
12,800.00	6,954.29	12,978.57	7,140.39	175.16	175.25	105.46	410.95	-4,783.70	698.40	359.56	338.84	2.061		
12,900.00	6,954.56	13,078.54	7,140.59	177.97	178.06	105.40	413.02	-4,883.65	700.73	356.38	344.35	2.035		
13,000.00	6,954.82	13,178.52	7,140.78	180.77	180.87	105.35	415.09	-4,983.59	703.07	353.20	349.87	2.010		
13,100.00	6,955.09	13,278.49	7,140.98	183.58	183.68	105.29	417.16	-5,083.54	705.41	350.02	355.39	1.985		
13,200.00	6,955.35	13,378.46	7,141.17	186.38	186.49	105.23	419.23	-5,183.49	707.75	346.83	360.92	1.961		
13,300.00	6,955.62	13,478.43	7,141.36	189.19	189.30	105.17	421.29	-5,283.44	710.09	343.63	366.45	1.938		
13,400.00	6,955.89	13,578.40	7,141.56	192.00	192.12	105.11	423.36	-5,383.39	712.43	340.44	371.99	1.915		
13,500.00	6,956.15	13,678.37	7,141.75	194.82	194.93	105.06	425.43	-5,483.34	714.77	337.23	377.53	1.893		
13,600.00	6,956.42	13,778.34	7,141.94	197.63	197.75	105.00	427.50	-5,583.29	717.11	334.03	383.08	1.872		
13,700.00	6,956.68	13,878.31	7,142.14	200.44	200.57	104.95	429.56	-5,683.23	719.45	330.82	388.63	1.851		
13,800.00	6,956.95	13,978.28	7,142.33	203.26	203.39	104.89	431.63	-5,783.18	721.79	327.61	394.18	1.831		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 9N-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		
13,900.00	6,957.22	14,078.25	7,142.53	206.08	206.21	104.84	433.70	-5,883.13	724.14	324.40	399.74	1.812		
14,000.00	6,957.48	14,178.22	7,142.72	208.89	209.04	104.78	435.77	-5,983.08	726.48	321.18	405.30	1.792		
14,100.00	6,957.75	14,278.19	7,142.91	211.71	211.86	104.73	437.83	-6,083.03	728.82	317.96	410.87	1.774		
14,200.00	6,958.02	14,378.16	7,143.11	214.53	214.69	104.67	439.90	-6,182.98	731.17	314.73	416.44	1.756		
14,300.00	6,958.28	14,478.13	7,143.30	217.36	217.51	104.62	441.97	-6,282.93	733.52	311.51	422.01	1.738		
14,400.00	6,958.55	14,578.10	7,143.50	220.18	220.34	104.56	444.04	-6,382.87	735.86	308.28	427.59	1.721		
14,500.00	6,958.81	14,678.07	7,143.69	223.00	223.17	104.51	446.11	-6,482.82	738.21	305.04	433.17	1.704		
14,600.00	6,959.08	14,778.04	7,143.88	225.83	226.00	104.46	448.17	-6,582.77	740.56	301.81	438.75	1.688		
14,700.00	6,959.35	14,878.01	7,144.07	228.65	228.82	104.41	450.24	-6,682.72	742.91	298.58	444.34	1.670		
14,800.00	6,959.61	14,978.00	7,144.26	231.48	231.65	104.36	452.31	-6,782.67	745.26	295.39	450.00	1.652		
14,900.00	6,959.88	15,078.00	7,144.45	234.30	234.47	104.31	454.38	-6,882.62	747.61	292.20	455.66	1.634		
15,000.00	6,960.14	15,178.00	7,144.64	237.13	237.30	104.26	456.45	-6,982.57	749.96	289.01	461.32	1.616		
15,100.00	6,960.41	15,278.00	7,144.83	239.96	240.13	104.21	458.52	-7,082.52	752.31	285.82	466.98	1.598		
15,200.00	6,960.68	15,378.00	7,145.02	242.79	242.96	104.16	460.59	-7,182.47	754.66	282.63	472.64	1.580		
15,300.00	6,960.94	15,478.00	7,145.21	245.62	245.79	104.11	462.66	-7,282.42	757.01	279.44	478.30	1.562		
15,400.00	6,961.21	15,578.00	7,145.40	248.45	248.62	104.06	464.73	-7,382.37	759.36	276.25	483.96	1.544		
15,500.00	6,961.47	15,678.00	7,145.59	251.28	251.45	104.01	466.80	-7,482.32	761.71	273.06	489.62	1.526		
15,600.00	6,961.74	15,778.00	7,145.78	254.11	254.28	103.96	468.87	-7,582.27	764.06	269.87	495.28	1.508		
15,700.00	6,962.01	15,878.00	7,145.97	256.94	257.11	103.91	470.94	-7,682.22	766.41	266.68	500.94	1.490		
15,800.00	6,962.27	15,978.00	7,146.16	259.77	259.94	103.86	473.01	-7,782.17	768.76	263.49	506.60	1.472		
15,900.00	6,962.54	16,078.00	7,146.35	262.60	262.77	103.81	475.08	-7,882.12	771.11	260.30	512.26	1.454		
16,000.00	6,962.80	16,178.00	7,146.54	265.43	265.60	103.76	477.15	-7,982.07	773.46	257.11	517.92	1.436		
16,100.00	6,963.07	16,278.00	7,146.73	268.26	268.43	103.71	479.22	-8,082.02	775.81	253.92	523.58	1.418		
16,200.00	6,963.34	16,378.00	7,146.92	271.09	271.26	103.66	481.29	-8,181.97	778.16	250.73	529.24	1.400		
16,300.00	6,963.60	16,478.00	7,147.11	273.92	274.09	103.61	483.36	-8,281.92	780.51	247.54	534.90	1.382		
16,400.00	6,963.87	16,578.00	7,147.30	276.75	276.92	103.56	485.43	-8,381.87	782.86	244.35	540.56	1.364		
16,500.00	6,964.13	16,678.00	7,147.49	279.58	279.75	103.51	487.50	-8,481.82	785.21	241.16	546.22	1.346		
16,600.00	6,964.40	16,778.00	7,147.68	282.41	282.58	103.46	489.57	-8,581.77	787.56	237.97	551.88	1.328		
16,700.00	6,964.67	16,878.00	7,147.87	285.24	285.41	103.41	491.64	-8,681.72	789.91	234.78	557.54	1.310		
16,800.00	6,964.93	16,978.00	7,148.06	288.07	288.24	103.36	493.71	-8,781.67	792.26	231.59	563.20	1.292		
16,900.00	6,965.20	17,078.00	7,148.25	290.90	291.07	103.31	495.78	-8,881.62	794.61	228.40	568.86	1.274		
17,000.00	6,965.46	17,178.00	7,148.44	293.73	293.90	103.26	497.85	-8,981.57	796.96	225.21	574.52	1.256		
17,100.00	6,965.73	17,278.00	7,148.63	296.56	296.73	103.21	499.92	-9,081.52	799.31	222.02	580.18	1.238		
17,200.00	6,966.00	17,378.00	7,148.82	299.39	299.56	103.16	501.99	-9,181.47	801.66	218.83	585.84	1.220		
17,300.00	6,966.26	17,478.00	7,149.01	302.22	302.39	103.11	504.06	-9,281.42	804.01	215.64	591.50	1.202		
17,400.00	6,966.53	17,578.00	7,149.20	305.05	305.22	103.06	506.13	-9,381.37	806.36	212.45	597.16	1.184		
17,500.00	6,966.80	17,678.00	7,149.39	307.88	308.05	103.01	508.20	-9,481.32	808.71	209.26	602.82	1.166		
17,600.00	6,967.06	17,778.00	7,149.58	310.71	310.88	102.96	510.27	-9,581.27	811.06	206.07	608.48	1.148		
17,700.00	6,967.33	17,878.00	7,149.77	313.54	313.71	102.91	512.34	-9,681.22	813.41	202.88	614.14	1.130		
17,800.00	6,967.59	17,978.00	7,149.96	316.37	316.54	102.86	514.41	-9,781.17	815.76	199.69	619.80	1.112		
17,900.00	6,967.86	18,078.00	7,150.15	319.20	319.37	102.81	516.48	-9,881.12	818.11	196.50	625.46	1.094		
18,000.00	6,968.13	18,178.00	7,150.34	322.03	322.20	102.76	518.55	-9,981.07	820.46	193.31	631.12	1.076		
18,100.00	6,968.39	18,278.00	7,150.53	324.86	325.03	102.71	520.62	-10,081.02	822.81	190.12	636.78	1.058		
18,200.00	6,968.66	18,378.00	7,150.72	327.69	327.86	102.66	522.69	-10,180.97	825.16	186.93	642.44	1.040		
18,300.00	6,968.92	18,478.00	7,150.91	330.52	330.69	102.61	524.76	-10,280.92	827.51	183.74	648.10	1.022		
18,400.00	6,969.19	18,578.00	7,151.10	333.35	333.52	102.56	526.83	-10,380.87	829.86	180.55	653.76	1.004		
18,500.00	6,969.46	18,678.00	7,151.29	336.18	336.35	102.51	528.90	-10,480.82	832.21	177.36	659.42	0.986		
18,600.00	6,969.72	18,778.00	7,151.48	339.01	339.18	102.46	530.97	-10,580.77	834.56	174.17	665.08	0.968		
18,704.56	6,970.00	18,906.26	7,152.00	342.24	342.26	108.15	270.82	-10,706.92	584.12	-69.67	653.79	0.893	Level 1, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-48.78	1,487.15	-1,697.68	2,256.93					
100.00	100.00	104.00	96.00	3.28	3.78	-48.78	1,487.15	-1,697.68	2,256.93	2,249.86	7.07	319.324		
200.00	200.00	204.00	196.00	3.34	6.30	-48.78	1,487.15	-1,697.68	2,256.93	2,247.30	9.63	234.249		
300.00	299.98	304.02	295.98	3.44	9.46	-148.79	1,487.15	-1,697.68	2,258.42	2,245.53	12.90	175.109		
400.00	399.84	404.16	395.84	3.60	12.79	-148.81	1,487.15	-1,697.68	2,262.90	2,246.51	16.39	138.072		
500.00	499.45	504.55	495.45	3.80	16.20	-148.85	1,487.15	-1,697.68	2,270.37	2,250.36	20.00	113.494		
600.00	598.70	605.30	594.70	4.05	19.66	-148.90	1,487.15	-1,697.68	2,280.82	2,257.12	23.71	96.214		
700.00	697.47	706.53	693.47	4.33	23.15	-148.96	1,487.15	-1,697.68	2,294.26	2,266.79	27.48	83.495		
803.50	799.05	804.95	795.05	4.67	26.56	-149.03	1,487.15	-1,697.68	2,311.33	2,280.12	31.21	74.066		
900.00	893.41	899.41	889.41	5.02	29.49	-149.29	1,487.15	-1,697.68	2,328.75	2,294.30	34.46	67.583		
1,000.00	991.20	987.20	987.20	5.41	32.88	-149.55	1,487.15	-1,697.68	2,346.86	2,308.65	38.20	61.430		
1,100.00	1,088.99	1,084.99	1,084.99	5.81	36.28	-149.80	1,487.15	-1,697.68	2,365.01	2,323.04	41.97	56.350		
1,200.00	1,186.78	1,182.78	1,182.78	6.23	39.68	-150.05	1,487.15	-1,697.68	2,383.21	2,337.45	45.75	52.087		
1,300.00	1,284.57	1,280.57	1,280.57	6.67	43.08	-150.30	1,487.15	-1,697.68	2,401.45	2,351.89	49.55	48.464		
1,400.00	1,382.36	1,378.36	1,378.36	7.12	46.49	-150.55	1,487.15	-1,697.68	2,419.73	2,366.37	53.36	45.347		
1,500.00	1,480.15	1,476.15	1,476.15	7.57	49.89	-150.79	1,487.15	-1,697.68	2,438.06	2,380.88	57.18	42.640		
1,600.00	1,577.94	1,573.94	1,573.94	8.03	53.30	-151.02	1,487.15	-1,697.68	2,456.42	2,395.42	61.00	40.267		
1,700.00	1,675.73	1,671.73	1,671.73	8.50	56.71	-151.26	1,487.15	-1,697.68	2,474.83	2,410.00	64.83	38.171		
1,800.00	1,773.52	1,769.52	1,769.52	8.98	60.12	-151.49	1,487.15	-1,697.68	2,493.28	2,424.61	68.67	36.307		
1,900.00	1,871.31	1,867.31	1,867.31	9.45	63.53	-151.71	1,487.15	-1,697.68	2,511.76	2,439.25	72.51	34.639		
2,000.00	1,969.10	1,965.10	1,965.10	9.94	66.94	-151.94	1,487.15	-1,697.68	2,530.29	2,453.93	76.36	33.137		
2,100.00	2,066.88	2,062.88	2,062.88	10.42	70.35	-152.16	1,487.15	-1,697.68	2,548.85	2,468.64	80.21	31.778		
2,200.00	2,164.67	2,160.67	2,160.67	10.91	73.76	-152.37	1,487.15	-1,697.68	2,567.44	2,483.38	84.06	30.543		
2,300.00	2,262.46	2,258.46	2,258.46	11.40	77.17	-152.59	1,487.15	-1,697.68	2,586.07	2,498.16	87.91	29.416		
2,400.00	2,360.25	2,356.25	2,356.25	11.89	80.58	-152.80	1,487.15	-1,697.68	2,604.74	2,512.97	91.77	28.383		
2,500.00	2,458.04	2,454.04	2,454.04	12.39	83.99	-153.01	1,487.15	-1,697.68	2,623.44	2,527.81	95.63	27.434		
2,600.00	2,555.83	2,551.83	2,551.83	12.88	87.40	-153.21	1,487.15	-1,697.68	2,642.17	2,542.69	99.49	26.558		
2,700.00	2,653.62	2,649.62	2,649.62	13.38	90.81	-153.41	1,487.15	-1,697.68	2,660.94	2,557.59	103.35	25.747		
2,800.00	2,751.41	2,747.41	2,747.41	13.88	94.22	-153.61	1,487.15	-1,697.68	2,679.74	2,572.52	107.21	24.995		
2,900.00	2,849.20	2,845.20	2,845.20	14.38	97.64	-153.81	1,487.15	-1,697.68	2,698.57	2,587.49	111.08	24.295		
3,000.00	2,946.99	2,942.99	2,942.99	14.88	101.05	-154.00	1,487.15	-1,697.68	2,717.43	2,602.48	114.94	23.642		
3,100.00	3,044.78	3,040.78	3,040.78	15.38	104.46	-154.19	1,487.15	-1,697.68	2,736.31	2,617.51	118.81	23.032		
3,200.00	3,142.57	3,138.57	3,138.57	15.89	107.87	-154.38	1,487.15	-1,697.68	2,755.23	2,632.56	122.67	22.460		
3,300.00	3,240.36	3,236.36	3,236.36	16.39	111.28	-154.57	1,487.15	-1,697.68	2,774.18	2,647.64	126.54	21.923		
3,400.00	3,338.15	3,334.15	3,334.15	16.89	114.70	-154.75	1,487.15	-1,697.68	2,793.15	2,662.74	130.41	21.418		
3,500.00	3,435.93	3,431.93	3,431.93	17.40	118.11	-154.93	1,487.15	-1,697.68	2,812.16	2,677.88	134.28	20.943		
3,600.00	3,533.72	3,529.72	3,529.72	17.90	121.52	-155.11	1,487.15	-1,697.68	2,831.19	2,693.04	138.15	20.494		
3,700.00	3,631.51	3,627.51	3,627.51	18.41	124.93	-155.29	1,487.15	-1,697.68	2,850.24	2,708.22	142.02	20.070		
3,800.00	3,729.30	3,725.30	3,725.30	18.92	128.35	-155.46	1,487.15	-1,697.68	2,869.32	2,723.43	145.89	19.668		
3,900.00	3,827.09	3,823.09	3,823.09	19.42	131.76	-155.63	1,487.15	-1,697.68	2,888.43	2,738.67	149.76	19.287		
4,000.00	3,924.88	3,920.88	3,920.88	19.93	135.17	-155.80	1,487.15	-1,697.68	2,907.56	2,753.93	153.63	18.926		
4,100.00	4,022.67	4,018.67	4,018.67	20.44	138.59	-155.97	1,487.15	-1,697.68	2,926.72	2,769.21	157.50	18.582		
4,200.00	4,120.46	4,116.46	4,116.46	20.95	142.00	-156.13	1,487.15	-1,697.68	2,945.90	2,784.52	161.37	18.255		
4,300.00	4,218.25	4,214.25	4,214.25	21.46	145.41	-156.30	1,487.15	-1,697.68	2,965.10	2,799.85	165.25	17.944		
4,400.00	4,316.04	4,312.04	4,312.04	21.97	148.82	-156.46	1,487.15	-1,697.68	2,984.32	2,815.21	169.12	17.646		
4,500.00	4,413.83	4,409.83	4,409.83	22.48	152.24	-156.62	1,487.15	-1,697.68	3,003.57	2,830.58	172.99	17.363		
4,600.00	4,511.62	4,507.62	4,507.62	22.99	155.65	-156.77	1,487.15	-1,697.68	3,022.84	2,845.98	176.86	17.091		
4,700.00	4,609.41	4,605.41	4,605.41	23.50	159.06	-156.93	1,487.15	-1,697.68	3,042.14	2,861.40	180.74	16.832		
4,800.00	4,707.20	4,703.20	4,703.20	24.01	162.48	-157.08	1,487.15	-1,697.68	3,061.45	2,876.84	184.61	16.583		
4,900.00	4,804.98	4,800.98	4,800.98	24.52	165.89	-157.23	1,487.15	-1,697.68	3,080.78	2,892.30	188.48	16.345		
5,000.00	4,902.77	4,898.77	4,898.77	25.03	169.39	-157.38	1,487.15	-1,697.68	3,100.14	2,907.70	192.44	16.109		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	5,000.56	5,003.44	4,996.56	25.54	172.96	-157.53	1,487.15	-1,697.68	3,119.51	2,923.04	196.47	15.878		
5,200.00	5,098.35	5,105.65	5,094.35	26.05	176.52	-157.67	1,487.15	-1,697.68	3,138.91	2,938.41	200.50	15.655		
5,300.00	5,196.14	5,207.86	5,192.14	26.56	180.09	-157.82	1,487.15	-1,697.68	3,158.32	2,953.79	204.53	15.442		
5,400.00	5,293.93	5,289.93	5,289.93	27.07	182.96	-157.96	1,487.15	-1,697.68	3,177.76	2,969.90	207.85	15.288		
5,500.00	5,391.72	5,387.72	5,387.72	27.58	186.37	-158.10	1,487.15	-1,697.68	3,197.21	2,985.48	211.73	15.101		
5,600.00	5,489.51	5,485.51	5,485.51	28.09	189.78	-158.24	1,487.15	-1,697.68	3,216.68	3,001.07	215.60	14.919		
5,700.00	5,587.30	5,583.30	5,583.30	28.61	193.20	-158.37	1,487.15	-1,697.68	3,236.17	3,016.69	219.48	14.745		
5,800.00	5,685.09	5,681.09	5,681.09	29.12	196.61	-158.51	1,487.15	-1,697.68	3,255.67	3,032.32	223.35	14.576		
5,900.00	5,782.88	5,778.88	5,778.88	29.63	200.02	-158.64	1,487.15	-1,697.68	3,275.19	3,047.97	227.23	14.414		
6,000.00	5,880.67	5,876.67	5,876.67	30.14	203.44	-158.78	1,487.15	-1,697.68	3,294.73	3,063.63	231.10	14.257		
6,100.00	5,978.46	5,974.46	5,974.46	30.65	206.85	-158.91	1,487.15	-1,697.68	3,314.29	3,079.31	234.98	14.105		
6,200.00	6,076.25	6,072.25	6,072.25	31.17	210.26	-159.04	1,487.15	-1,697.68	3,333.86	3,095.01	238.85	13.958		
6,298.86	6,172.92	6,168.92	6,168.92	31.67	213.64	-159.16	1,487.15	-1,697.68	3,353.23	3,110.55	242.68	13.817		
6,300.00	6,174.03	6,170.03	6,170.03	31.68	213.68	-159.26	1,487.15	-1,697.68	3,353.45	3,110.72	242.73	13.816		
6,350.00	6,223.30	6,219.30	6,219.30	31.92	215.40	-165.83	1,487.15	-1,697.68	3,361.52	3,116.85	244.67	13.739		
6,400.00	6,273.06	6,269.06	6,269.06	32.13	217.13	172.54	1,487.15	-1,697.68	3,366.25	3,119.63	246.62	13.650		
6,450.00	6,323.01	6,319.01	6,319.01	32.32	218.88	82.09	1,487.15	-1,697.68	3,367.61	3,119.05	248.56	13.549		
6,500.00	6,372.84	6,368.84	6,368.84	32.48	220.62	49.98	1,487.15	-1,697.68	3,365.58	3,115.11	250.47	13.437		
6,550.00	6,422.24	6,418.24	6,418.24	32.65	222.34	42.57	1,487.15	-1,697.68	3,360.20	3,107.85	252.36	13.315		
6,600.00	6,470.92	6,466.92	6,466.92	32.83	224.04	39.81	1,487.15	-1,697.68	3,351.51	3,097.30	254.21	13.184		
6,650.00	6,518.56	6,514.56	6,514.56	33.01	225.70	38.76	1,487.15	-1,697.68	3,339.56	3,083.55	256.01	13.044		
6,700.00	6,564.89	6,560.89	6,560.89	33.21	227.32	38.60	1,487.15	-1,697.68	3,324.46	3,066.69	257.76	12.897		
6,750.00	6,609.60	6,605.60	6,605.60	33.43	228.88	39.04	1,487.15	-1,697.68	3,306.30	3,046.85	259.45	12.744		
6,800.00	6,652.43	6,648.43	6,648.43	33.66	230.37	39.96	1,487.15	-1,697.68	3,285.23	3,024.17	261.06	12.584		
6,850.00	6,693.10	6,689.10	6,689.10	33.91	231.79	41.32	1,487.15	-1,697.68	3,261.40	2,998.81	262.59	12.420		
6,900.00	6,731.38	6,727.38	6,727.38	34.20	233.13	43.11	1,487.15	-1,697.68	3,234.98	2,970.94	264.04	12.252		
6,950.00	6,767.02	6,763.02	6,763.02	34.51	234.38	45.32	1,487.15	-1,697.68	3,206.17	2,940.76	265.41	12.080		
7,000.00	6,799.81	6,804.19	6,795.81	34.85	235.81	48.00	1,487.15	-1,697.68	3,175.17	2,908.20	266.97	11.893		
7,050.00	6,829.54	6,825.54	6,825.54	35.24	236.56	51.16	1,487.15	-1,697.68	3,142.20	2,874.34	267.86	11.731		
7,100.00	6,856.03	6,852.03	6,852.03	35.66	237.48	54.84	1,487.15	-1,697.68	3,107.49	2,838.56	268.94	11.555		
7,150.00	6,879.11	6,875.11	6,875.11	36.12	238.29	59.04	1,487.15	-1,697.68	3,071.30	2,801.38	269.92	11.378		
7,200.00	6,898.65	6,905.35	6,894.65	36.62	239.34	63.76	1,487.15	-1,697.68	3,033.88	2,762.69	271.18	11.188		
7,250.00	6,914.51	6,910.51	6,910.51	37.15	239.52	68.96	1,487.15	-1,697.68	2,995.47	2,723.88	271.60	11.029		
7,300.00	6,926.62	6,922.62	6,922.62	37.73	239.95	74.56	1,487.15	-1,697.68	2,956.36	2,684.07	272.28	10.858		
7,350.00	6,934.88	6,930.88	6,930.88	38.34	240.23	80.41	1,487.15	-1,697.68	2,916.80	2,643.92	272.87	10.689		
7,400.00	6,939.26	6,935.26	6,935.26	38.97	240.39	86.36	1,487.15	-1,697.68	2,877.05	2,603.69	273.36	10.525		
7,429.12	6,940.00	6,936.00	6,936.00	39.34	240.41	89.80	1,487.15	-1,697.68	2,853.91	2,580.32	273.60	10.431		
7,500.00	6,940.19	6,936.19	6,936.19	40.31	240.42	89.81	1,487.15	-1,697.68	2,798.02	2,523.85	274.17	10.206		
7,600.00	6,940.46	6,936.46	6,936.46	41.80	240.43	89.82	1,487.15	-1,697.68	2,720.35	2,445.24	275.11	9.888		
7,700.00	6,940.72	6,936.72	6,936.72	43.43	240.44	89.83	1,487.15	-1,697.68	2,644.18	2,367.95	276.23	9.572		
7,800.00	6,940.99	6,936.99	6,936.99	45.19	240.45	89.83	1,487.15	-1,697.68	2,569.64	2,292.11	277.53	9.259		
7,900.00	6,941.25	6,937.25	6,937.25	47.05	240.46	89.84	1,487.15	-1,697.68	2,496.88	2,217.86	279.02	8.949		
8,000.00	6,941.52	6,937.52	6,937.52	49.02	240.47	89.85	1,487.15	-1,697.68	2,426.06	2,145.35	280.71	8.643		
8,100.00	6,941.79	6,937.79	6,937.79	51.06	240.48	89.86	1,487.15	-1,697.68	2,357.36	2,074.76	282.60	8.342		
8,200.00	6,942.05	6,938.05	6,938.05	53.18	240.48	89.87	1,487.15	-1,697.68	2,290.97	2,006.27	284.70	8.047		
8,300.00	6,942.32	6,938.32	6,938.32	55.37	240.49	89.88	1,487.15	-1,697.68	2,227.08	1,940.08	287.00	7.760		
8,400.00	6,942.58	6,938.58	6,938.58	57.62	240.50	89.89	1,487.15	-1,697.68	2,165.93	1,876.43	289.51	7.481		
8,500.00	6,942.85	6,938.85	6,938.85	59.92	240.51	89.90	1,487.15	-1,697.68	2,107.76	1,815.56	292.20	7.213		
8,600.00	6,943.12	6,939.12	6,939.12	62.26	240.52	89.90	1,487.15	-1,697.68	2,052.81	1,757.73	295.08	6.957		
8,700.00	6,943.38	6,939.38	6,939.38	64.65	240.53	89.91	1,487.15	-1,697.68	2,001.35	1,703.22	298.12	6.713		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,939.65	6,939.65	67.08	240.54	89.92	1,487.15	-1,697.68	1,953.65	1,652.34	301.31	6.484		
8,900.00	6,943.91	6,939.91	6,939.91	69.53	240.55	89.93	1,487.15	-1,697.68	1,910.01	1,605.39	304.62	6.270		
9,000.00	6,944.18	6,940.18	6,940.18	72.02	240.56	89.94	1,487.15	-1,697.68	1,870.69	1,562.68	308.01	6.073		
9,100.00	6,944.45	6,940.45	6,940.45	74.54	240.57	89.95	1,487.15	-1,697.68	1,835.99	1,524.54	311.46	5.895		
9,200.00	6,944.71	6,940.71	6,940.71	77.07	240.58	89.96	1,487.15	-1,697.68	1,806.17	1,491.26	314.91	5.736		
9,300.00	6,944.98	6,940.98	6,940.98	79.63	240.59	89.97	1,487.15	-1,697.68	1,781.46	1,463.14	318.32	5.596		
9,400.00	6,945.24	6,941.24	6,941.24	82.21	240.60	89.97	1,487.15	-1,697.68	1,762.10	1,440.44	321.65	5.478		
9,500.00	6,945.51	6,941.51	6,941.51	84.81	240.61	89.98	1,487.15	-1,697.68	1,748.24	1,423.39	324.85	5.382		
9,600.00	6,945.78	6,941.78	6,941.78	87.43	240.61	89.99	1,487.15	-1,697.68	1,740.03	1,412.16	327.87	5.307		
9,693.15	6,946.02	6,942.02	6,942.02	89.87	240.62	90.00	1,487.15	-1,697.68	1,737.54	1,407.05	330.49	5.257 CC		
9,700.00	6,946.04	6,942.04	6,942.04	90.05	240.62	90.00	1,487.15	-1,697.68	1,737.55	1,406.88	330.68	5.255 ES		
9,800.00	6,946.31	6,942.31	6,942.31	92.70	240.63	90.01	1,487.15	-1,697.68	1,740.82	1,407.60	333.23	5.224		
9,900.00	6,946.57	6,942.57	6,942.57	95.35	240.64	90.02	1,487.15	-1,697.68	1,749.81	1,414.31	335.50	5.216 SF		
10,000.00	6,946.84	6,942.84	6,942.84	98.02	240.65	90.03	1,487.15	-1,697.68	1,764.43	1,426.95	337.48	5.228		
10,100.00	6,947.11	6,943.11	6,943.11	100.70	240.66	90.04	1,487.15	-1,697.68	1,784.54	1,445.38	339.15	5.262		
10,200.00	6,947.37	6,943.37	6,943.37	103.38	240.67	90.04	1,487.15	-1,697.68	1,809.96	1,469.42	340.53	5.315		
10,300.00	6,947.64	6,943.64	6,943.64	106.08	240.68	90.05	1,487.15	-1,697.68	1,840.46	1,498.84	341.62	5.387		
10,400.00	6,947.90	6,943.90	6,943.90	108.78	240.69	90.06	1,487.15	-1,697.68	1,875.81	1,533.37	342.44	5.478		
10,500.00	6,948.17	6,944.17	6,944.17	111.49	240.70	90.07	1,487.15	-1,697.68	1,915.74	1,572.73	343.01	5.585		
10,600.00	6,948.44	6,944.44	6,944.44	114.21	240.71	90.08	1,487.15	-1,697.68	1,959.95	1,616.60	343.35	5.708		
10,700.00	6,948.70	6,944.70	6,944.70	116.94	240.72	90.09	1,487.15	-1,697.68	2,008.18	1,664.69	343.49	5.846		
10,800.00	6,948.97	6,944.97	6,944.97	119.67	240.73	90.10	1,487.15	-1,697.68	2,060.13	1,716.68	343.46	5.998		
10,900.00	6,949.24	6,945.24	6,945.24	122.41	240.74	90.11	1,487.15	-1,697.68	2,115.54	1,772.27	343.28	6.163		
11,000.00	6,949.50	6,945.50	6,945.50	125.15	240.74	90.11	1,487.15	-1,697.68	2,174.14	1,831.17	342.97	6.339		
11,100.00	6,949.77	6,945.77	6,945.77	127.90	240.75	90.12	1,487.15	-1,697.68	2,235.68	1,893.12	342.56	6.526		
11,200.00	6,950.03	6,946.03	6,946.03	130.65	240.76	90.13	1,487.15	-1,697.68	2,299.92	1,957.85	342.07	6.724		
11,300.00	6,950.30	6,946.30	6,946.30	133.41	240.77	90.14	1,487.15	-1,697.68	2,366.64	2,025.14	341.51	6.930		
11,400.00	6,950.57	6,946.57	6,946.57	136.17	240.78	90.15	1,487.15	-1,697.68	2,435.64	2,094.75	340.89	7.145		
11,500.00	6,950.83	6,946.83	6,946.83	138.94	240.79	90.16	1,487.15	-1,697.68	2,506.74	2,166.49	340.24	7.367		
11,600.00	6,951.10	6,947.10	6,947.10	141.71	240.80	90.17	1,487.15	-1,697.68	2,579.75	2,240.18	339.57	7.597		
11,700.00	6,951.36	6,947.36	6,947.36	144.48	240.81	90.18	1,487.15	-1,697.68	2,654.52	2,315.65	338.87	7.833		
11,800.00	6,951.63	6,947.63	6,947.63	147.26	240.82	90.18	1,487.15	-1,697.68	2,730.90	2,392.74	338.16	8.076		
11,900.00	6,951.90	6,947.90	6,947.90	150.03	240.83	90.19	1,487.15	-1,697.68	2,808.77	2,471.32	337.45	8.324		
12,000.00	6,952.16	6,948.16	6,948.16	152.82	240.84	90.20	1,487.15	-1,697.68	2,888.00	2,551.27	336.74	8.576		
12,100.00	6,952.43	6,948.43	6,948.43	155.60	240.85	90.21	1,487.15	-1,697.68	2,968.49	2,632.46	336.03	8.834		
12,200.00	6,952.69	6,948.69	6,948.69	158.39	240.86	90.22	1,487.15	-1,697.68	3,050.13	2,714.80	335.33	9.096		
12,300.00	6,952.96	6,948.96	6,948.96	161.18	240.87	90.23	1,487.15	-1,697.68	3,132.84	2,798.19	334.65	9.362		
12,400.00	6,953.23	6,949.23	6,949.23	163.97	240.87	90.24	1,487.15	-1,697.68	3,216.53	2,882.55	333.97	9.631		
12,500.00	6,953.49	6,949.49	6,949.49	166.77	240.88	90.25	1,487.15	-1,697.68	3,301.12	2,967.81	333.31	9.904		
12,600.00	6,953.76	6,949.76	6,949.76	169.56	240.89	90.26	1,487.15	-1,697.68	3,386.56	3,053.89	332.67	10.180		
12,700.00	6,954.02	6,950.02	6,950.02	172.36	240.90	90.26	1,487.15	-1,697.68	3,472.77	3,140.73	332.04	10.459		
12,800.00	6,954.29	6,950.29	6,950.29	175.16	240.91	90.27	1,487.15	-1,697.68	3,559.70	3,228.27	331.43	10.740		
12,900.00	6,954.56	6,950.56	6,950.56	177.97	240.92	90.28	1,487.15	-1,697.68	3,647.31	3,316.47	330.84	11.024		
13,000.00	6,954.82	6,950.82	6,950.82	180.77	240.93	90.29	1,487.15	-1,697.68	3,735.54	3,405.27	330.27	11.311		
13,100.00	6,955.09	6,951.09	6,951.09	183.58	240.94	90.30	1,487.15	-1,697.68	3,824.34	3,494.63	329.71	11.599		
13,200.00	6,955.35	6,951.35	6,951.35	186.38	240.95	90.31	1,487.15	-1,697.68	3,913.69	3,584.52	329.17	11.890		
13,300.00	6,955.62	6,951.62	6,951.62	189.19	240.96	90.32	1,487.15	-1,697.68	4,003.54	3,674.89	328.65	12.182		
13,400.00	6,955.89	6,951.89	6,951.89	192.00	240.97	90.33	1,487.15	-1,697.68	4,093.86	3,765.72	328.14	12.476		
13,500.00	6,956.15	6,952.15	6,952.15	194.82	240.98	90.33	1,487.15	-1,697.68	4,184.62	3,856.97	327.65	12.772		
13,600.00	6,956.42	6,952.42	6,952.42	197.63	240.99	90.34	1,487.15	-1,697.68	4,275.79	3,948.62	327.18	13.069		
13,700.00	6,956.68	6,952.68	6,952.68	200.44	241.00	90.35	1,487.15	-1,697.68	4,367.35	4,040.63	326.72	13.367		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,952.95	6,952.95	203.26	241.00	90.36	1,487.15	-1,697.68	4,459.28	4,133.00	326.28	13.667		
13,900.00	6,957.22	6,953.22	6,953.22	206.08	241.01	90.37	1,487.15	-1,697.68	4,551.54	4,225.69	325.85	13.968		
14,000.00	6,957.48	6,953.48	6,953.48	208.89	241.02	90.38	1,487.15	-1,697.68	4,644.12	4,318.68	325.44	14.270		
14,100.00	6,957.75	6,953.75	6,953.75	211.71	241.03	90.39	1,487.15	-1,697.68	4,737.01	4,411.96	325.04	14.573		
14,200.00	6,958.02	6,954.02	6,954.02	214.53	241.04	90.40	1,487.15	-1,697.68	4,830.18	4,505.52	324.66	14.878		
14,300.00	6,958.28	6,954.28	6,954.28	217.36	241.05	90.40	1,487.15	-1,697.68	4,923.61	4,599.33	324.29	15.183		
14,400.00	6,958.55	6,954.55	6,954.55	220.18	241.06	90.41	1,487.15	-1,697.68	5,017.30	4,693.37	323.93	15.489		
14,500.00	6,958.81	6,954.81	6,954.81	223.00	241.07	90.42	1,487.15	-1,697.68	5,111.23	4,787.65	323.58	15.796		
14,600.00	6,959.08	6,955.08	6,955.08	225.83	241.08	90.43	1,487.15	-1,697.68	5,205.39	4,882.14	323.25	16.103		
14,700.00	6,959.35	6,955.35	6,955.35	228.65	241.09	90.44	1,487.15	-1,697.68	5,299.76	4,976.83	322.93	16.412		
14,800.00	6,959.61	6,955.61	6,955.61	231.48	241.10	90.45	1,487.15	-1,697.68	5,394.33	5,071.71	322.62	16.721		
14,900.00	6,959.88	6,955.88	6,955.88	234.30	241.11	90.46	1,487.15	-1,697.68	5,489.09	5,166.78	322.32	17.030		
15,000.00	6,960.14	6,956.14	6,956.14	237.13	241.12	90.47	1,487.15	-1,697.68	5,584.04	5,262.02	322.03	17.340		
15,100.00	6,960.41	6,956.41	6,956.41	239.96	241.13	90.47	1,487.15	-1,697.68	5,679.16	5,357.42	321.75	17.651		
15,200.00	6,960.68	6,956.68	6,956.68	242.79	241.13	90.48	1,487.15	-1,697.68	5,774.45	5,452.97	321.47	17.962		
15,300.00	6,960.94	6,956.94	6,956.94	245.62	241.14	90.49	1,487.15	-1,697.68	5,869.89	5,548.68	321.21	18.274		
15,400.00	6,961.21	6,957.21	6,957.21	248.45	241.15	90.50	1,487.15	-1,697.68	5,965.48	5,644.52	320.96	18.586		
15,500.00	6,961.47	6,957.47	6,957.47	251.28	241.16	90.51	1,487.15	-1,697.68	6,061.21	5,740.50	320.72	18.899		
15,600.00	6,961.74	6,957.74	6,957.74	254.11	241.17	90.52	1,487.15	-1,697.68	6,157.08	5,836.60	320.48	19.212		
15,700.00	6,962.01	6,958.01	6,958.01	256.94	241.18	90.53	1,487.15	-1,697.68	6,253.08	5,932.83	320.26	19.525		
15,800.00	6,962.27	6,958.27	6,958.27	259.77	241.19	90.54	1,487.15	-1,697.68	6,349.21	6,029.17	320.04	19.839		
15,900.00	6,962.54	6,958.54	6,958.54	262.61	241.20	90.54	1,487.15	-1,697.68	6,445.45	6,125.62	319.83	20.153		
16,000.00	6,962.80	6,958.80	6,958.80	265.44	241.21	90.55	1,487.15	-1,697.68	6,541.80	6,222.18	319.62	20.467		
16,100.00	6,963.07	6,959.07	6,959.07	268.28	241.22	90.56	1,487.15	-1,697.68	6,638.26	6,318.83	319.43	20.782		
16,200.00	6,963.34	6,959.34	6,959.34	271.11	241.23	90.57	1,487.15	-1,697.68	6,734.82	6,415.59	319.24	21.097		
16,300.00	6,963.60	6,959.60	6,959.60	273.95	241.24	90.58	1,487.15	-1,697.68	6,831.49	6,512.43	319.05	21.412		
16,400.00	6,963.87	6,959.87	6,959.87	276.78	241.25	90.59	1,487.15	-1,697.68	6,928.24	6,609.37	318.88	21.727		
16,500.00	6,964.13	6,960.13	6,960.13	279.62	241.26	90.60	1,487.15	-1,697.68	7,025.09	6,706.39	318.71	22.043		
16,600.00	6,964.40	6,960.40	6,960.40	282.46	241.26	90.61	1,487.15	-1,697.68	7,122.03	6,803.49	318.54	22.358		
16,700.00	6,964.67	6,960.67	6,960.67	285.29	241.27	90.61	1,487.15	-1,697.68	7,219.05	6,900.66	318.38	22.674		
16,800.00	6,964.93	6,960.93	6,960.93	288.13	241.28	90.62	1,487.15	-1,697.68	7,316.15	6,997.92	318.23	22.990		
16,900.00	6,965.20	6,961.20	6,961.20	290.97	241.29	90.63	1,487.15	-1,697.68	7,413.32	7,095.24	318.08	23.306		
17,000.00	6,965.46	6,961.46	6,961.46	293.81	241.30	90.64	1,487.15	-1,697.68	7,510.57	7,192.63	317.94	23.622		
17,100.00	6,965.73	6,961.73	6,961.73	296.65	241.31	90.65	1,487.15	-1,697.68	7,607.90	7,290.09	317.81	23.939		
17,200.00	6,966.00	6,962.00	6,962.00	299.49	241.32	90.66	1,487.15	-1,697.68	7,705.29	7,387.61	317.67	24.255		
17,300.00	6,966.26	6,962.26	6,962.26	302.32	241.33	90.67	1,487.15	-1,697.68	7,802.74	7,485.20	317.55	24.572		
17,400.00	6,966.53	6,962.53	6,962.53	305.16	241.34	90.68	1,487.15	-1,697.68	7,900.26	7,582.84	317.43	24.889		
17,500.00	6,966.80	6,962.80	6,962.80	308.00	241.35	90.68	1,487.15	-1,697.68	7,997.85	7,680.54	317.31	25.205		
17,600.00	6,967.06	6,963.06	6,963.06	310.85	241.36	90.69	1,487.15	-1,697.68	8,095.49	7,778.29	317.20	25.522		
17,700.00	6,967.33	6,963.33	6,963.33	313.69	241.37	90.70	1,487.15	-1,697.68	8,193.18	7,876.10	317.09	25.839		
17,800.00	6,967.59	6,963.59	6,963.59	316.53	241.38	90.71	1,487.15	-1,697.68	8,290.94	7,973.95	316.98	26.156		
17,900.00	6,967.86	6,963.86	6,963.86	319.37	241.39	90.72	1,487.15	-1,697.68	8,388.74	8,071.86	316.88	26.473		
18,000.00	6,968.13	6,964.13	6,964.13	322.21	241.39	90.73	1,487.15	-1,697.68	8,486.60	8,169.81	316.79	26.790		
18,100.00	6,968.39	6,964.39	6,964.39	325.05	241.40	90.74	1,487.15	-1,697.68	8,584.50	8,267.81	316.69	27.107		
18,200.00	6,968.66	6,964.66	6,964.66	327.90	241.41	90.75	1,487.15	-1,697.68	8,682.46	8,365.85	316.61	27.424		
18,300.00	6,968.92	6,964.92	6,964.92	330.74	241.42	90.76	1,487.15	-1,697.68	8,780.46	8,463.93	316.52	27.740		
18,400.00	6,969.19	6,965.19	6,965.19	333.58	241.43	90.76	1,487.15	-1,697.68	8,878.50	8,562.06	316.44	28.057		
18,500.00	6,969.46	6,965.46	6,965.46	336.43	241.44	90.77	1,487.15	-1,697.68	8,976.59	8,660.22	316.36	28.374		
18,600.00	6,969.72	6,965.72	6,965.72	339.27	241.45	90.78	1,487.15	-1,697.68	9,074.72	8,758.43	316.29	28.691		
18,704.56	6,970.00	6,966.00	6,966.00	342.24	241.46	90.79	1,487.15	-1,697.68	9,177.36	8,861.15	316.22	29.022		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		146-MWD											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)				
0.00	0.00	0.00	0.00	3.28	3.28	-106.67	-2,138.53	-7,143.28	7,456.53						
100.00	100.00	85.69	85.69	3.28	3.29	-106.67	-2,138.75	-7,143.24	7,456.55	7,449.98	6.57	1,134.922			
200.00	200.00	174.97	174.96	3.34	3.31	-106.67	-2,139.42	-7,143.14	7,456.66	7,450.01	6.65	1,121.718			
300.00	299.98	259.06	259.05	3.44	3.38	153.31	-2,140.26	-7,143.18	7,458.55	7,451.73	6.82	1,093.167			
400.00	399.84	357.34	357.33	3.60	3.51	153.27	-2,141.38	-7,143.26	7,463.63	7,456.52	7.11	1,049.947			
500.00	499.45	448.42	448.40	3.80	3.67	153.22	-2,142.02	-7,143.56	7,471.93	7,464.46	7.47	999.828			
600.00	598.70	551.72	551.70	4.05	3.89	153.16	-2,142.44	-7,143.98	7,483.33	7,475.39	7.94	942.255			
700.00	697.47	636.67	636.64	4.33	4.10	153.07	-2,143.05	-7,144.27	7,497.85	7,489.42	8.44	888.664			
803.50	799.05	710.44	710.42	4.67	4.31	152.94	-2,143.50	-7,144.82	7,516.47	7,507.50	8.97	838.348			
900.00	893.41	791.23	791.20	5.02	4.54	153.00	-2,143.84	-7,145.67	7,535.61	7,526.08	9.53	790.967			
1,000.00	991.20	882.73	882.69	5.41	4.82	153.07	-2,144.40	-7,146.72	7,555.57	7,545.41	10.17	743.262			
1,100.00	1,088.99	973.06	973.02	5.81	5.12	153.13	-2,144.96	-7,147.82	7,575.64	7,564.80	10.83	699.274			
1,200.00	1,186.78	1,017.67	1,017.61	6.23	5.27	153.17	-2,144.90	-7,148.66	7,596.11	7,584.74	11.37	668.317			
1,300.00	1,284.57	1,061.00	1,060.93	6.67	5.42	153.21	-2,144.42	-7,149.89	7,617.25	7,605.34	11.91	639.723			
1,400.00	1,382.36	1,105.85	1,105.73	7.12	5.57	153.25	-2,143.53	-7,151.60	7,639.08	7,626.62	12.46	612.988			
1,500.00	1,480.15	1,153.00	1,152.81	7.57	5.73	153.30	-2,142.21	-7,153.89	7,661.63	7,648.60	13.03	587.841			
1,600.00	1,577.94	1,191.29	1,191.01	8.03	5.87	153.34	-2,140.79	-7,156.12	7,684.87	7,671.29	13.58	565.861			
1,700.00	1,675.73	1,248.00	1,247.51	8.50	6.07	153.41	-2,138.04	-7,160.05	7,708.83	7,694.62	14.20	542.828			
1,800.00	1,773.52	1,248.00	1,247.51	8.98	6.07	153.41	-2,138.04	-7,160.05	7,733.54	7,718.93	14.61	529.188			
1,900.00	1,871.31	1,299.82	1,299.06	9.45	6.26	153.48	-2,134.99	-7,164.41	7,758.93	7,743.70	15.23	509.602			
2,000.00	1,969.10	1,343.00	1,341.94	9.94	6.42	153.54	-2,132.21	-7,168.69	7,785.26	7,769.46	15.81	492.516			
2,100.00	2,066.88	1,371.54	1,370.24	10.42	6.53	153.58	-2,130.22	-7,171.78	7,812.32	7,795.98	16.33	478.270			
2,200.00	2,164.67	1,438.00	1,436.04	10.91	6.79	153.68	-2,125.05	-7,179.51	7,840.06	7,823.04	17.02	460.694			
2,300.00	2,262.46	1,484.84	1,482.36	11.40	6.98	153.75	-2,121.07	-7,185.27	7,868.26	7,850.63	17.63	446.392			
2,400.00	2,360.25	1,565.56	1,562.12	11.89	7.32	153.88	-2,113.96	-7,195.43	7,896.78	7,878.40	18.39	429.518			
2,500.00	2,458.04	1,650.18	1,645.72	12.39	7.68	154.01	-2,106.47	-7,206.15	7,925.44	7,906.26	19.17	413.413			
2,600.00	2,555.83	1,723.00	1,717.70	12.88	8.00	154.13	-2,100.53	-7,215.45	7,954.37	7,934.46	19.91	399.517			
2,700.00	2,653.62	1,851.71	1,845.05	13.38	8.58	154.31	-2,090.77	-7,231.35	7,983.07	7,962.16	20.91	381.706			
2,800.00	2,751.41	1,918.00	1,910.69	13.88	8.88	154.41	-2,086.28	-7,239.48	8,011.96	7,990.33	21.63	370.359			
2,900.00	2,849.20	2,053.85	2,045.31	14.38	9.51	154.59	-2,077.95	-7,255.64	8,040.66	8,017.97	22.69	354.446			
3,000.00	2,946.99	2,140.70	2,131.34	14.88	9.92	154.71	-2,072.07	-7,265.99	8,069.31	8,045.80	23.51	343.213			
3,100.00	3,044.78	2,239.65	2,229.27	15.38	10.39	154.85	-2,064.56	-7,278.09	8,098.10	8,073.70	24.40	331.858			
3,200.00	3,142.57	2,380.50	2,368.71	15.89	11.06	155.05	-2,053.79	-7,294.75	8,126.56	8,101.05	25.51	318.594			
3,300.00	3,240.36	2,515.29	2,502.19	16.39	11.72	155.24	-2,043.00	-7,310.02	8,154.50	8,127.91	26.59	306.672			
3,400.00	3,338.15	2,609.64	2,595.63	16.89	12.17	155.37	-2,035.12	-7,320.56	8,182.28	8,154.80	27.47	297.820			
3,500.00	3,435.93	2,688.29	2,673.54	17.40	12.56	155.48	-2,028.87	-7,329.35	8,210.19	8,181.91	28.28	290.324			
3,600.00	3,533.72	2,753.32	2,737.95	17.90	12.88	155.57	-2,023.89	-7,336.77	8,238.43	8,209.41	29.02	283.936			
3,700.00	3,631.51	2,818.17	2,802.15	18.41	13.20	155.66	-2,018.91	-7,344.41	8,267.03	8,237.28	29.75	277.877			
3,800.00	3,729.30	2,889.18	2,872.41	18.92	13.55	155.75	-2,013.29	-7,353.06	8,296.00	8,265.48	30.52	271.830			
3,900.00	3,827.09	2,985.62	2,967.78	19.42	14.04	155.89	-2,005.45	-7,365.01	8,325.15	8,293.73	31.42	264.941			
4,000.00	3,924.88	3,110.85	3,091.76	19.93	14.67	156.05	-1,995.99	-7,379.97	8,354.04	8,321.57	32.48	257.219			
4,100.00	4,022.67	3,181.18	3,161.38	20.44	15.02	156.15	-1,990.58	-7,388.33	8,382.92	8,349.67	33.25	252.156			
4,200.00	4,120.46	3,241.00	3,220.55	20.95	15.33	156.23	-1,985.92	-7,395.76	8,412.27	8,378.32	33.96	247.742			
4,300.00	4,218.25	3,385.24	3,363.44	21.46	16.05	156.41	-1,976.41	-7,413.01	8,441.47	8,406.36	35.11	240.419			
4,400.00	4,316.04	3,636.05	3,612.38	21.97	17.28	156.70	-1,960.90	-7,439.22	8,469.07	8,432.25	36.82	230.017			
4,500.00	4,413.83	3,750.18	3,725.60	22.48	17.84	156.84	-1,952.04	-7,450.52	8,496.21	8,458.39	37.82	224.649			
4,600.00	4,511.62	4,600.00	3,857.66	22.99	22.05	157.01	-1,941.37	-7,463.35	8,523.08	8,480.77	42.31	201.428			
4,700.00	4,609.41	3,963.81	3,937.50	23.50	18.90	157.12	-1,934.29	-7,470.98	8,549.73	8,509.97	39.75	215.076			
4,800.00	4,707.20	4,002.00	3,975.35	24.01	19.09	157.17	-1,930.86	-7,474.80	8,576.90	8,536.55	40.35	212.547			
4,900.00	4,804.98	4,070.23	4,042.91	24.52	19.44	157.26	-1,924.62	-7,481.98	8,604.54	8,563.42	41.12	209.269			
5,000.00	4,902.77	4,207.60	4,178.83	25.03	20.14	157.44	-1,911.35	-7,496.83	8,632.41	8,590.15	42.26	204.254			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 146-MWD													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,000.56	4,276.53	4,247.10	25.54	20.49	157.53	-1,905.20	-7,504.05	8,660.07	8,617.04	43.03	201.257		
5,200.00	5,098.35	4,379.91	4,349.61	26.05	21.01	157.66	-1,897.12	-7,514.70	8,687.82	8,643.84	43.98	197.539		
5,300.00	5,196.14	5,300.00	4,494.06	26.56	25.48	157.82	-1,887.63	-7,528.96	8,715.44	8,666.73	48.71	178.922		
5,400.00	5,293.93	4,638.63	4,606.74	27.07	22.27	157.93	-1,882.17	-7,538.92	8,742.36	8,696.23	46.13	189.514		
5,500.00	5,391.72	5,251.89	5,218.83	27.58	24.94	158.37	-1,871.17	-7,571.01	8,766.44	8,716.93	49.51	177.052		
5,600.00	5,489.51	5,343.99	5,310.91	28.09	25.32	158.42	-1,870.60	-7,572.90	8,787.81	8,737.45	50.36	174.497		
5,700.00	5,587.30	5,454.20	5,421.09	28.61	25.77	158.48	-1,870.04	-7,575.11	8,809.15	8,757.86	51.29	171.751		
5,800.00	5,685.09	5,562.78	5,529.66	29.12	26.21	158.54	-1,870.12	-7,576.92	8,830.28	8,778.07	52.21	169.131		
5,900.00	5,782.88	5,650.18	5,617.05	29.63	26.56	158.59	-1,870.38	-7,578.40	8,851.48	8,798.45	53.03	166.908		
6,000.00	5,880.67	5,747.68	5,714.53	30.14	26.96	158.64	-1,870.20	-7,580.20	8,872.75	8,818.85	53.90	164.604		
6,100.00	5,978.46	5,853.48	5,820.31	30.65	27.39	158.69	-1,870.09	-7,582.06	8,893.97	8,839.16	54.82	162.253		
6,200.00	6,076.25	5,943.97	5,910.80	31.17	27.77	158.74	-1,869.86	-7,583.64	8,915.15	8,859.49	55.66	160.181		
6,298.86	6,172.92	6,031.21	5,998.02	31.67	28.12	158.79	-1,869.90	-7,585.27	8,936.26	8,879.78	56.48	158.227		
6,300.00	6,174.03	6,032.52	5,999.32	31.68	28.13	158.71	-1,869.90	-7,585.29	8,936.50	8,880.01	56.49	158.201		
6,350.00	6,223.30	6,090.17	6,056.96	31.92	28.36	152.74	-1,870.06	-7,586.31	8,945.17	8,888.22	56.96	157.048		
6,400.00	6,273.06	6,215.23	6,182.02	32.13	28.86	131.45	-1,870.63	-7,587.71	8,949.61	8,891.89	57.72	155.048		
6,450.00	6,323.01	6,251.91	6,218.69	32.32	29.01	41.05	-1,870.82	-7,588.04	8,950.21	8,892.15	58.06	154.165		
6,500.00	6,372.84	6,293.79	6,260.57	32.48	29.18	8.75	-1,871.05	-7,588.47	8,947.02	8,888.63	58.39	153.232		
6,550.00	6,422.24	6,359.37	6,326.15	32.65	29.44	0.88	-1,871.44	-7,589.10	8,939.95	8,881.14	58.81	152.006		
6,600.00	6,470.92	6,411.60	6,378.37	32.83	29.64	-2.61	-1,872.00	-7,589.49	8,929.03	8,869.87	59.16	150.930		
6,650.00	6,518.56	6,442.00	6,408.76	33.01	29.76	-4.68	-1,872.88	-7,589.63	8,914.41	8,855.02	59.39	150.100		
6,700.00	6,564.89	6,464.21	6,430.95	33.21	29.84	-6.17	-1,873.99	-7,589.69	8,896.27	8,836.70	59.57	149.350		
6,750.00	6,609.60	6,484.24	6,450.92	33.43	29.91	-7.39	-1,875.46	-7,589.73	8,874.74	8,815.02	59.72	148.608		
6,800.00	6,652.43	6,505.00	6,471.57	33.66	29.99	-8.51	-1,877.53	-7,589.71	8,849.92	8,790.06	59.86	147.843		
6,850.00	6,693.10	6,518.63	6,485.10	33.91	30.03	-9.62	-1,879.19	-7,589.69	8,821.98	8,762.02	59.96	147.136		
6,900.00	6,731.38	6,537.00	6,503.28	34.20	30.10	-10.81	-1,881.82	-7,589.64	8,791.07	8,731.01	60.06	146.361		
6,950.00	6,767.02	6,537.00	6,503.28	34.51	30.10	-12.09	-1,881.82	-7,589.64	8,757.37	8,697.29	60.09	145.747		
7,000.00	6,799.81	6,549.47	6,515.58	34.85	30.14	-13.61	-1,883.85	-7,589.62	8,721.08	8,660.93	60.15	144.988		
7,050.00	6,829.54	6,556.66	6,522.66	35.24	30.16	-15.42	-1,885.11	-7,589.61	8,682.39	8,622.21	60.19	144.255		
7,100.00	6,856.03	6,569.00	6,534.79	35.66	30.20	-17.70	-1,887.43	-7,589.61	8,641.55	8,581.30	60.24	143.446		
7,150.00	6,879.11	6,569.00	6,534.79	36.12	30.20	-20.54	-1,887.43	-7,589.61	8,598.74	8,538.49	60.25	142.729		
7,200.00	6,898.65	6,569.00	6,534.79	36.62	30.20	-24.31	-1,887.43	-7,589.61	8,554.24	8,493.99	60.25	141.983		
7,250.00	6,914.51	6,569.00	6,534.79	37.15	30.20	-29.48	-1,887.43	-7,589.61	8,508.30	8,448.05	60.25	141.208		
7,300.00	6,926.62	6,569.00	6,534.79	37.73	30.20	-36.86	-1,887.43	-7,589.61	8,461.19	8,400.93	60.26	140.404		
7,350.00	6,934.88	6,569.00	6,534.79	38.34	30.20	-47.75	-1,887.43	-7,589.61	8,413.18	8,352.90	60.28	139.570		
7,400.00	6,939.26	6,581.02	6,546.55	38.97	30.24	-64.09	-1,889.88	-7,589.63	8,364.50	8,304.15	60.35	138.594		
7,429.12	6,940.00	6,581.19	6,546.72	39.34	30.24	-75.94	-1,889.92	-7,589.63	8,336.00	8,275.63	60.37	138.076		
7,500.00	6,940.19	6,581.29	6,546.81	40.31	30.24	-75.94	-1,889.94	-7,589.63	8,266.57	8,206.14	60.43	136.806		
7,600.00	6,940.46	6,581.42	6,546.94	41.80	30.24	-75.95	-1,889.96	-7,589.63	8,168.65	8,108.13	60.51	134.992		
7,700.00	6,940.72	6,581.56	6,547.08	43.43	30.24	-75.95	-1,889.99	-7,589.63	8,070.78	8,010.16	60.61	133.149		
7,800.00	6,940.99	6,581.69	6,547.21	45.19	30.24	-75.96	-1,890.02	-7,589.63	7,972.96	7,912.23	60.73	131.278		
7,900.00	6,941.25	6,581.83	6,547.35	47.05	30.24	-75.96	-1,890.05	-7,589.64	7,875.20	7,814.33	60.87	129.379		
8,000.00	6,941.52	6,581.97	6,547.48	49.02	30.24	-75.97	-1,890.08	-7,589.64	7,777.50	7,716.47	61.02	127.450		
8,100.00	6,941.79	6,582.11	6,547.62	51.06	30.24	-75.97	-1,890.11	-7,589.64	7,679.85	7,618.65	61.20	125.494		
8,200.00	6,942.05	6,582.25	6,547.76	53.18	30.24	-75.98	-1,890.14	-7,589.64	7,582.27	7,520.88	61.39	123.508		
8,300.00	6,942.32	6,582.40	6,547.90	55.37	30.24	-75.98	-1,890.17	-7,589.64	7,484.75	7,423.14	61.61	121.494		
8,400.00	6,942.58	6,582.54	6,548.04	57.62	30.24	-75.99	-1,890.20	-7,589.64	7,387.29	7,325.45	61.84	119.453		
8,500.00	6,942.85	6,582.69	6,548.18	59.92	30.24	-75.99	-1,890.23	-7,589.64	7,289.91	7,227.81	62.10	117.383		
8,600.00	6,943.12	6,582.83	6,548.32	62.26	30.25	-76.00	-1,890.27	-7,589.64	7,192.60	7,130.21	62.39	115.287		
8,700.00	6,943.38	6,582.98	6,548.47	64.65	30.25	-76.00	-1,890.30	-7,589.64	7,095.36	7,032.66	62.70	113.165		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	6,943.65	6,583.13	6,548.61	67.08	30.25	-76.01	-1,890.33	-7,589.64	6,998.20	6,935.16	63.04	111.017		
8,900.00	6,943.91	6,583.28	6,548.76	69.53	30.25	-76.01	-1,890.36	-7,589.64	6,901.12	6,837.71	63.40	108.846		
9,000.00	6,944.18	6,583.43	6,548.91	72.02	30.25	-76.02	-1,890.39	-7,589.64	6,804.12	6,740.32	63.80	106.651		
9,100.00	6,944.45	6,583.59	6,549.06	74.54	30.25	-76.02	-1,890.43	-7,589.64	6,707.22	6,642.99	64.22	104.434		
9,200.00	6,944.71	6,583.74	6,549.21	77.07	30.25	-76.03	-1,890.46	-7,589.64	6,610.40	6,545.72	64.68	102.197		
9,300.00	6,944.98	6,583.90	6,549.36	79.63	30.25	-76.03	-1,890.49	-7,589.64	6,513.68	6,448.51	65.17	99.942		
9,400.00	6,945.24	6,584.05	6,549.51	82.21	30.25	-76.04	-1,890.53	-7,589.64	6,417.07	6,351.36	65.70	97.669		
9,500.00	6,945.51	6,584.21	6,549.67	84.81	30.25	-76.05	-1,890.56	-7,589.64	6,320.55	6,254.29	66.27	95.382		
9,600.00	6,945.78	6,584.37	6,549.83	87.43	30.25	-76.05	-1,890.60	-7,589.64	6,224.15	6,157.28	66.87	93.082		
9,700.00	6,946.04	6,584.53	6,549.98	90.05	30.25	-76.06	-1,890.63	-7,589.64	6,127.86	6,060.35	67.51	90.770		
9,800.00	6,946.31	6,584.69	6,550.14	92.70	30.25	-76.06	-1,890.67	-7,589.65	6,031.70	5,963.50	68.19	88.451		
9,900.00	6,946.57	6,584.86	6,550.30	95.35	30.25	-76.07	-1,890.70	-7,589.65	5,935.66	5,866.74	68.92	86.125		
10,000.00	6,946.84	6,585.02	6,550.46	98.02	30.25	-76.07	-1,890.74	-7,589.65	5,839.75	5,770.06	69.69	83.795		
10,100.00	6,947.11	6,585.19	6,550.63	100.70	30.25	-76.08	-1,890.77	-7,589.65	5,743.98	5,673.47	70.51	81.464		
10,200.00	6,947.37	6,585.36	6,550.79	103.38	30.25	-76.08	-1,890.81	-7,589.65	5,648.36	5,576.99	71.38	79.134		
10,300.00	6,947.64	6,585.53	6,550.96	106.08	30.25	-76.09	-1,890.85	-7,589.65	5,552.90	5,480.60	72.30	76.807		
10,400.00	6,947.90	6,585.70	6,551.12	108.78	30.25	-76.10	-1,890.89	-7,589.65	5,457.59	5,384.32	73.27	74.487		
10,500.00	6,948.17	6,585.88	6,551.29	111.49	30.26	-76.10	-1,890.92	-7,589.65	5,362.46	5,288.16	74.30	72.176		
10,600.00	6,948.44	6,586.05	6,551.46	114.21	30.26	-76.11	-1,890.96	-7,589.65	5,267.51	5,192.13	75.38	69.877		
10,700.00	6,948.70	6,586.23	6,551.64	116.94	30.26	-76.11	-1,891.00	-7,589.65	5,172.75	5,096.22	76.53	67.592		
10,800.00	6,948.97	6,586.41	6,551.81	119.67	30.26	-76.12	-1,891.04	-7,589.65	5,078.18	5,000.45	77.74	65.324		
10,900.00	6,949.24	6,586.59	6,551.99	122.41	30.26	-76.13	-1,891.08	-7,589.65	4,983.84	4,904.82	79.01	63.075		
11,000.00	6,949.50	6,586.77	6,552.16	125.15	30.26	-76.13	-1,891.12	-7,589.65	4,889.71	4,809.35	80.36	60.848		
11,100.00	6,949.77	6,586.95	6,552.34	127.90	30.26	-76.14	-1,891.16	-7,589.65	4,795.82	4,714.05	81.78	58.645		
11,200.00	6,950.03	6,587.14	6,552.52	130.65	30.26	-76.15	-1,891.20	-7,589.66	4,702.19	4,618.92	83.27	56.469		
11,300.00	6,950.30	6,587.32	6,552.71	133.41	30.26	-76.15	-1,891.24	-7,589.66	4,608.82	4,523.98	84.84	54.322		
11,400.00	6,950.57	6,587.51	6,552.89	136.17	30.26	-76.16	-1,891.28	-7,589.66	4,515.74	4,429.24	86.50	52.206		
11,500.00	6,950.83	6,587.70	6,553.08	138.94	30.26	-76.17	-1,891.32	-7,589.66	4,422.96	4,334.72	88.24	50.124		
11,600.00	6,951.10	6,587.89	6,553.26	141.71	30.26	-76.17	-1,891.37	-7,589.66	4,330.50	4,240.42	90.08	48.076		
11,700.00	6,951.36	6,588.09	6,553.45	144.48	30.26	-76.18	-1,891.41	-7,589.66	4,238.38	4,146.37	92.01	46.066		
11,800.00	6,951.63	6,588.28	6,553.64	147.26	30.26	-76.19	-1,891.45	-7,589.66	4,146.63	4,052.59	94.04	44.095		
11,900.00	6,951.90	6,588.48	6,553.84	150.03	30.26	-76.19	-1,891.50	-7,589.66	4,055.27	3,959.09	96.18	42.165		
12,000.00	6,952.16	6,588.68	6,554.03	152.82	30.26	-76.20	-1,891.54	-7,589.66	3,964.32	3,865.89	98.43	40.277		
12,100.00	6,952.43	6,588.88	6,554.23	155.60	30.26	-76.21	-1,891.59	-7,589.66	3,873.82	3,773.02	100.80	38.432		
12,200.00	6,952.69	6,589.09	6,554.43	158.39	30.27	-76.21	-1,891.63	-7,589.66	3,783.80	3,680.51	103.29	36.633		
12,300.00	6,952.96	6,600.00	6,565.05	161.18	30.30	-76.59	-1,894.14	-7,589.73	3,694.35	3,588.29	106.06	34.834		
12,400.00	6,953.23	6,600.00	6,565.05	163.97	30.30	-76.59	-1,894.14	-7,589.73	3,605.39	3,496.57	108.82	33.131		
12,500.00	6,953.49	6,600.00	6,565.05	166.77	30.30	-76.59	-1,894.14	-7,589.73	3,517.03	3,405.30	111.73	31.478		
12,600.00	6,953.76	6,600.00	6,565.05	169.56	30.30	-76.59	-1,894.14	-7,589.73	3,429.31	3,314.51	114.79	29.874		
12,700.00	6,954.02	6,600.00	6,565.05	172.36	30.30	-76.59	-1,894.14	-7,589.73	3,342.27	3,224.25	118.02	28.320		
12,800.00	6,954.29	6,600.00	6,565.05	175.16	30.30	-76.59	-1,894.14	-7,589.73	3,255.98	3,134.56	121.41	26.817		
12,900.00	6,954.56	6,600.00	6,565.05	177.97	30.30	-76.59	-1,894.14	-7,589.73	3,170.49	3,045.50	124.99	25.366		
13,000.00	6,954.82	6,600.00	6,565.05	180.77	30.30	-76.59	-1,894.14	-7,589.73	3,085.88	2,957.13	128.75	23.967		
13,100.00	6,955.09	6,600.00	6,565.05	183.58	30.30	-76.59	-1,894.14	-7,589.73	3,002.22	2,869.50	132.72	22.621		
13,200.00	6,955.35	6,600.00	6,565.05	186.38	30.30	-76.59	-1,894.14	-7,589.73	2,919.58	2,782.69	136.89	21.328		
13,300.00	6,955.62	6,600.00	6,565.05	189.19	30.30	-76.59	-1,894.14	-7,589.73	2,838.06	2,696.78	141.28	20.089		
13,400.00	6,955.89	6,600.00	6,565.05	192.00	30.30	-76.59	-1,894.14	-7,589.73	2,757.75	2,611.86	145.89	18.903		
13,500.00	6,956.15	6,600.00	6,565.05	194.82	30.30	-76.59	-1,894.14	-7,589.73	2,678.78	2,528.04	150.74	17.771		
13,600.00	6,956.42	6,600.00	6,565.05	197.63	30.30	-76.59	-1,894.14	-7,589.73	2,601.24	2,445.42	155.83	16.693		
13,700.00	6,956.68	6,600.00	6,565.05	200.44	30.30	-76.59	-1,894.14	-7,589.73	2,525.29	2,364.13	161.17	15.669		
13,800.00	6,956.95	6,600.00	6,565.05	203.26	30.30	-76.59	-1,894.14	-7,589.73	2,451.07	2,284.31	166.76	14.698		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 146-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
13,900.00	6,957.22	6,600.00	6,565.05	206.08	30.30	-76.59	-1,894.14	-7,589.73	2,378.73	2,206.13	172.60	13.782					
14,000.00	6,957.48	6,600.00	6,565.05	208.89	30.30	-76.59	-1,894.14	-7,589.73	2,308.46	2,129.77	178.69	12.919					
14,100.00	6,957.75	6,600.00	6,565.05	211.71	30.30	-76.59	-1,894.14	-7,589.73	2,240.46	2,055.43	185.02	12.109					
14,200.00	6,958.02	6,600.00	6,565.05	214.53	30.30	-76.59	-1,894.14	-7,589.73	2,174.92	1,983.33	191.59	11.352					
14,300.00	6,958.28	6,600.00	6,565.05	217.36	30.30	-76.59	-1,894.14	-7,589.73	2,112.09	1,913.73	198.35	10.648					
14,400.00	6,958.55	6,600.00	6,565.05	220.18	30.30	-76.59	-1,894.14	-7,589.73	2,052.20	1,846.90	205.30	9.996					
14,500.00	6,958.81	6,600.00	6,565.05	223.00	30.30	-76.59	-1,894.14	-7,589.73	1,995.54	1,783.16	212.38	9.396					
14,600.00	6,959.08	6,600.00	6,565.05	225.83	30.30	-76.59	-1,894.14	-7,589.73	1,942.37	1,722.82	219.55	8.847					
14,700.00	6,959.35	6,600.00	6,565.05	228.65	30.30	-76.59	-1,894.14	-7,589.73	1,893.00	1,666.26	226.74	8.349					
14,800.00	6,959.61	6,600.00	6,565.05	231.48	30.30	-76.59	-1,894.14	-7,589.73	1,847.72	1,613.85	233.88	7.900					
14,900.00	6,959.88	6,600.00	6,565.05	234.30	30.30	-76.59	-1,894.14	-7,589.73	1,806.85	1,565.98	240.87	7.501					
15,000.00	6,960.14	6,600.00	6,565.05	237.13	30.30	-76.59	-1,894.14	-7,589.73	1,770.69	1,523.08	247.61	7.151					
15,100.00	6,960.41	6,600.00	6,565.05	239.96	30.30	-76.59	-1,894.14	-7,589.73	1,739.53	1,485.53	254.00	6.848					
15,200.00	6,960.68	6,600.00	6,565.05	242.79	30.30	-76.59	-1,894.14	-7,589.73	1,713.65	1,453.72	259.93	6.593					
15,300.00	6,960.94	6,600.00	6,565.05	245.62	30.30	-76.59	-1,894.14	-7,589.73	1,693.29	1,428.01	265.28	6.383					
15,400.00	6,961.21	6,600.00	6,565.05	248.45	30.30	-76.59	-1,894.14	-7,589.73	1,678.65	1,408.70	269.96	6.218					
15,500.00	6,961.47	6,600.00	6,565.05	251.28	30.30	-76.59	-1,894.14	-7,589.73	1,669.88	1,396.02	273.86	6.097					
15,596.83	6,961.73	6,600.00	6,565.05	254.02	30.30	-76.59	-1,894.14	-7,589.73	1,667.07	1,390.22	276.86	6.021	CC				
15,600.00	6,961.74	6,600.00	6,565.05	254.11	30.30	-76.59	-1,894.14	-7,589.73	1,667.08	1,390.14	276.94	6.020	ES				
15,700.00	6,962.01	6,600.00	6,565.05	256.94	30.30	-76.59	-1,894.14	-7,589.73	1,670.26	1,391.12	279.15	5.983	SF				
15,800.00	6,962.27	6,600.00	6,565.05	259.77	30.30	-76.59	-1,894.14	-7,589.73	1,679.41	1,398.94	280.46	5.988					
15,900.00	6,962.54	6,600.00	6,565.05	262.61	30.30	-76.59	-1,894.14	-7,589.73	1,694.42	1,413.50	280.91	6.032					
16,000.00	6,962.80	6,600.00	6,565.05	265.44	30.30	-76.59	-1,894.14	-7,589.73	1,715.13	1,434.60	280.53	6.114					
16,100.00	6,963.07	6,600.00	6,565.05	268.28	30.30	-76.59	-1,894.14	-7,589.73	1,741.35	1,461.96	279.39	6.233					
16,200.00	6,963.34	6,600.00	6,565.05	271.11	30.30	-76.59	-1,894.14	-7,589.73	1,772.84	1,495.28	277.56	6.387					
16,300.00	6,963.60	6,600.00	6,565.05	273.95	30.30	-76.59	-1,894.14	-7,589.73	1,809.30	1,534.17	275.13	6.576					
16,400.00	6,963.87	6,600.00	6,565.05	276.78	30.30	-76.59	-1,894.14	-7,589.73	1,850.46	1,578.26	272.20	6.798					
16,500.00	6,964.13	6,600.00	6,565.05	279.62	30.30	-76.59	-1,894.14	-7,589.73	1,896.01	1,627.15	268.86	7.052					
16,600.00	6,964.40	6,600.00	6,565.05	282.46	30.30	-76.59	-1,894.14	-7,589.73	1,945.63	1,680.43	265.20	7.336					
16,700.00	6,964.67	6,600.00	6,565.05	285.29	30.30	-76.59	-1,894.14	-7,589.73	1,999.03	1,737.73	261.30	7.650					
16,800.00	6,964.93	6,600.00	6,565.05	288.13	30.30	-76.59	-1,894.14	-7,589.73	2,055.91	1,798.68	257.23	7.993					
16,900.00	6,965.20	6,600.00	6,565.05	290.97	30.30	-76.59	-1,894.14	-7,589.73	2,115.98	1,862.93	253.05	8.362					
17,000.00	6,965.46	6,600.00	6,565.05	293.81	30.30	-76.59	-1,894.14	-7,589.73	2,178.99	1,930.17	248.83	8.757					
17,100.00	6,965.73	6,600.00	6,565.05	296.65	30.30	-76.59	-1,894.14	-7,589.73	2,244.69	2,000.10	244.59	9.177					
17,200.00	6,966.00	6,600.00	6,565.05	299.49	30.30	-76.59	-1,894.14	-7,589.73	2,312.85	2,072.46	240.39	9.621					
17,300.00	6,966.26	6,600.00	6,565.05	302.32	30.30	-76.59	-1,894.14	-7,589.73	2,383.26	2,147.01	236.24	10.088					
17,400.00	6,966.53	6,600.00	6,565.05	305.16	30.30	-76.59	-1,894.14	-7,589.73	2,455.72	2,223.54	232.18	10.577					
17,500.00	6,966.80	6,600.00	6,565.05	308.00	30.30	-76.59	-1,894.14	-7,589.73	2,530.06	2,301.85	228.21	11.087					
17,600.00	6,967.06	6,600.00	6,565.05	310.85	30.30	-76.59	-1,894.14	-7,589.73	2,606.11	2,381.77	224.34	11.617					
17,700.00	6,967.33	6,600.00	6,565.05	313.69	30.30	-76.59	-1,894.14	-7,589.73	2,683.74	2,463.14	220.60	12.166					
17,800.00	6,967.59	6,600.00	6,565.05	316.53	30.30	-76.59	-1,894.14	-7,589.73	2,762.80	2,545.83	216.97	12.733					
17,900.00	6,967.86	6,600.00	6,565.05	319.37	30.30	-76.59	-1,894.14	-7,589.73	2,843.19	2,629.71	213.48	13.319					
18,000.00	6,968.13	6,600.00	6,565.05	322.21	30.30	-76.59	-1,894.14	-7,589.73	2,924.78	2,714.68	210.10	13.921					
18,100.00	6,968.39	6,600.00	6,565.05	325.05	30.30	-76.59	-1,894.14	-7,589.73	3,007.49	2,800.63	206.86	14.539					
18,200.00	6,968.66	6,600.00	6,565.05	327.90	30.30	-76.59	-1,894.14	-7,589.73	3,091.22	2,887.48	203.73	15.173					
18,300.00	6,968.92	6,600.00	6,565.05	330.74	30.30	-76.59	-1,894.14	-7,589.73	3,175.89	2,975.16	200.73	15.822					
18,400.00	6,969.19	6,608.39	6,573.19	333.58	30.33	-76.88	-1,896.17	-7,589.79	3,261.40	3,063.34	198.06	16.467					
18,500.00	6,969.46	6,608.91	6,573.69	336.43	30.33	-76.89	-1,896.29	-7,589.80	3,347.74	3,152.43	195.30	17.141					
18,600.00	6,969.72	6,609.44	6,574.20	339.27	30.33	-76.91	-1,896.43	-7,589.80	3,434.81	3,242.16	192.65	17.829					
18,704.56	6,970.00	6,610.00	6,574.75	342.24	30.33	-76.93	-1,896.57	-7,589.81	3,526.60	3,336.60	190.00	18.562					

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-106.72	-2,137.09	-7,112.13	7,426.28					
100.00	100.00	112.92	112.92	3.28	3.29	-106.73	-2,137.28	-7,111.89	7,426.13	7,419.56	6.57	1,129.604		
200.00	200.00	203.72	203.72	3.34	3.33	-106.73	-2,137.75	-7,111.45	7,425.83	7,419.16	6.67	1,113.847		
205.42	205.42	207.97	207.97	3.34	3.33	153.27	-2,137.79	-7,111.43	7,425.82	7,419.15	6.67	1,112.573		
300.00	299.98	262.60	262.60	3.44	3.38	153.25	-2,138.29	-7,111.28	7,427.42	7,420.59	6.83	1,088.138		
400.00	399.84	306.25	306.25	3.60	3.43	153.21	-2,138.67	-7,111.51	7,432.84	7,425.80	7.03	1,056.642		
500.00	499.45	452.32	452.30	3.80	3.67	153.17	-2,140.12	-7,112.65	7,441.75	7,434.28	7.47	995.742		
600.00	598.70	580.94	580.90	4.05	3.96	153.11	-2,141.90	-7,112.42	7,452.85	7,444.84	8.01	931.016		
700.00	697.47	712.25	712.21	4.33	4.31	153.04	-2,143.39	-7,111.86	7,466.76	7,458.12	8.64	864.490		
803.50	799.05	798.96	798.91	4.67	4.56	152.93	-2,144.69	-7,111.33	7,484.30	7,475.08	9.22	811.620		
900.00	893.41	936.96	936.89	5.02	5.00	153.01	-2,146.67	-7,110.24	7,502.05	7,492.06	9.99	750.939		
1,000.00	991.20	1,041.97	1,041.88	5.41	5.36	153.08	-2,147.83	-7,108.95	7,519.91	7,509.21	10.70	702.664		
1,100.00	1,088.99	1,125.19	1,125.10	5.81	5.65	153.13	-2,148.20	-7,108.22	7,537.94	7,526.58	11.37	663.166		
1,200.00	1,186.78	1,224.90	1,224.81	6.23	6.00	153.20	-2,148.50	-7,107.53	7,556.11	7,544.00	12.11	623.764		
1,300.00	1,284.57	1,310.23	1,310.13	6.67	6.32	153.26	-2,148.82	-7,106.90	7,574.28	7,561.45	12.83	590.391		
1,400.00	1,382.36	1,417.30	1,417.20	7.12	6.72	153.33	-2,149.20	-7,106.30	7,592.61	7,578.97	13.64	556.510		
1,500.00	1,480.15	1,521.66	1,521.56	7.57	7.11	153.41	-2,149.19	-7,105.58	7,610.73	7,596.27	14.46	526.366		
1,600.00	1,577.94	1,633.28	1,633.17	8.03	7.54	153.49	-2,149.15	-7,104.71	7,628.78	7,613.46	15.32	498.072		
1,700.00	1,675.73	1,708.45	1,708.34	8.50	7.84	153.54	-2,149.14	-7,104.17	7,646.88	7,630.84	16.04	476.720		
1,800.00	1,773.52	1,812.48	1,812.37	8.98	8.25	153.61	-2,149.41	-7,103.49	7,665.14	7,648.25	16.89	453.760		
1,900.00	1,871.31	1,868.91	1,868.79	9.45	8.47	153.65	-2,149.61	-7,103.18	7,683.56	7,666.02	17.55	437.870		
2,000.00	1,969.10	1,917.00	1,916.89	9.94	8.66	153.68	-2,149.48	-7,103.32	7,702.59	7,684.42	18.17	423.904		
2,100.00	2,066.88	1,979.43	1,979.31	10.42	8.89	153.73	-2,148.86	-7,103.97	7,722.16	7,703.32	18.84	409.776		
2,200.00	2,164.67	2,046.18	2,046.04	10.91	9.14	153.79	-2,147.58	-7,105.19	7,742.21	7,722.67	19.54	396.231		
2,300.00	2,262.46	2,132.97	2,132.75	11.40	9.47	153.88	-2,144.69	-7,107.38	7,762.56	7,742.24	20.32	382.025		
2,400.00	2,360.25	2,280.72	2,280.21	11.89	10.05	154.05	-2,136.45	-7,111.60	7,782.70	7,761.34	21.36	364.394		
2,500.00	2,458.04	2,500.00	2,395.57	12.39	10.92	154.19	-2,128.32	-7,114.66	7,802.26	7,779.57	22.69	343.879		
2,600.00	2,555.83	2,460.83	2,459.76	12.88	10.77	154.27	-2,123.23	-7,116.59	7,822.00	7,799.01	22.98	340.334		
2,700.00	2,653.62	2,562.40	2,560.89	13.38	11.18	154.41	-2,114.52	-7,120.19	7,842.10	7,818.25	23.85	328.743		
2,800.00	2,751.41	2,666.04	2,663.99	13.88	11.61	154.56	-2,104.59	-7,123.90	7,862.03	7,837.28	24.74	317.747		
2,900.00	2,849.20	2,741.08	2,738.55	14.38	11.93	154.67	-2,096.69	-7,126.85	7,882.09	7,856.58	25.51	308.967		
3,000.00	2,946.99	2,812.75	2,809.68	14.88	12.23	154.78	-2,088.52	-7,130.05	7,902.50	7,876.23	26.27	300.849		
3,100.00	3,044.78	2,886.82	2,883.18	15.38	12.55	154.90	-2,080.10	-7,133.59	7,923.24	7,896.21	27.04	293.049		
3,200.00	3,142.57	2,963.00	2,958.83	15.89	12.88	155.01	-2,071.87	-7,137.28	7,944.24	7,916.42	27.82	285.567		
3,300.00	3,240.36	3,022.24	3,017.67	16.39	13.14	155.10	-2,065.67	-7,140.31	7,965.64	7,937.11	28.52	279.266		
3,400.00	3,338.15	3,088.01	3,082.97	16.89	13.42	155.20	-2,058.75	-7,144.04	7,987.55	7,958.29	29.26	272.994		
3,500.00	3,435.93	3,192.73	3,186.95	17.40	13.89	155.35	-2,047.98	-7,150.07	8,009.67	7,979.48	30.18	265.370		
3,600.00	3,533.72	3,368.97	3,362.14	17.90	14.67	155.60	-2,030.85	-7,158.76	8,031.15	7,999.70	31.46	255.318		
3,700.00	3,631.51	3,472.13	3,464.65	18.41	15.13	155.75	-2,020.31	-7,163.49	8,052.28	8,019.90	32.38	248.669		
3,800.00	3,729.30	3,577.96	3,569.81	18.92	15.61	155.90	-2,009.26	-7,168.12	8,073.20	8,039.87	33.32	242.259		
3,900.00	3,827.09	3,648.30	3,639.69	19.42	15.93	156.00	-2,001.96	-7,171.29	8,094.32	8,060.23	34.09	237.406		
4,000.00	3,924.88	3,706.49	3,697.50	19.93	16.19	156.08	-1,995.97	-7,174.16	8,115.90	8,081.09	34.80	233.183		
4,100.00	4,022.67	3,793.27	3,783.72	20.44	16.59	156.20	-1,987.20	-7,178.71	8,137.83	8,102.18	35.66	228.222		
4,200.00	4,120.46	3,859.77	3,849.78	20.95	16.89	156.29	-1,980.50	-7,182.27	8,159.94	8,123.53	36.41	224.114		
4,300.00	4,218.25	3,916.40	3,905.97	21.46	17.16	156.38	-1,974.35	-7,185.68	8,182.55	8,145.44	37.11	220.484		
4,400.00	4,316.04	3,998.29	3,987.16	21.97	17.54	156.50	-1,965.08	-7,190.97	8,205.50	8,167.56	37.95	216.239		
4,500.00	4,413.83	4,101.41	4,089.33	22.48	18.03	156.66	-1,952.90	-7,197.79	8,228.55	8,189.66	38.90	211.557		
4,600.00	4,511.62	4,270.45	4,256.89	22.99	18.83	156.91	-1,932.84	-7,207.60	8,250.67	8,210.48	40.19	205.278		
4,700.00	4,609.41	4,700.00	4,422.21	23.50	20.85	157.14	-1,914.69	-7,216.18	8,272.76	8,230.06	42.70	193.720		
4,800.00	4,707.20	4,589.78	4,574.01	24.01	20.33	157.35	-1,898.42	-7,222.33	8,293.71	8,251.03	42.68	194.328		
4,900.00	4,804.98	4,713.35	4,696.87	24.52	20.91	157.51	-1,885.86	-7,226.51	8,314.22	8,270.49	43.73	190.119		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 146-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,902.77	4,797.27	4,780.44	25.03	21.29	157.61	-1,878.68	-7,229.17	8,334.91	8,290.33	44.58	186.983					
5,100.00	5,000.56	4,894.05	4,876.93	25.54	21.73	157.72	-1,871.70	-7,231.88	8,355.56	8,310.08	45.48	183.726					
5,200.00	5,098.35	4,974.12	4,956.82	26.05	22.09	157.80	-1,866.96	-7,234.13	8,376.48	8,330.19	46.29	180.950					
5,300.00	5,196.14	5,200.53	5,183.08	26.56	23.06	157.98	-1,859.79	-7,236.91	8,396.17	8,348.37	47.80	175.667					
5,400.00	5,293.93	5,267.64	5,250.18	27.07	23.34	158.02	-1,858.89	-7,237.24	8,415.83	8,367.30	48.53	173.411					
5,500.00	5,391.72	5,338.00	5,320.54	27.58	23.64	158.06	-1,858.22	-7,237.81	8,435.86	8,386.58	49.28	171.185					
5,600.00	5,489.51	5,390.48	5,373.01	28.09	23.85	158.09	-1,857.89	-7,238.42	8,456.31	8,406.37	49.94	169.330					
5,700.00	5,587.30	5,433.00	5,415.53	28.61	24.03	158.12	-1,857.73	-7,239.08	8,477.27	8,426.72	50.55	167.696					
5,800.00	5,685.09	5,498.53	5,481.04	29.12	24.30	158.16	-1,857.63	-7,240.41	8,498.70	8,447.44	51.27	165.769					
5,900.00	5,782.88	5,738.66	5,721.12	29.63	25.26	158.26	-1,861.19	-7,243.24	8,519.60	8,466.81	52.79	161.400					
6,000.00	5,880.67	5,844.93	5,827.36	30.14	25.68	158.31	-1,863.16	-7,243.43	8,539.61	8,485.93	53.68	159.073					
6,100.00	5,978.46	5,935.77	5,918.20	30.65	26.04	158.35	-1,864.34	-7,243.69	8,559.62	8,505.11	54.51	157.015					
6,200.00	6,076.25	6,019.32	6,001.74	31.17	26.38	158.39	-1,865.14	-7,244.11	8,579.79	8,524.47	55.31	155.110					
6,298.86	6,172.92	6,109.77	6,092.18	31.67	26.75	158.43	-1,865.90	-7,244.68	8,599.83	8,543.68	56.14	153.179					
6,300.00	6,174.03	6,110.78	6,093.19	31.68	26.75	158.35	-1,865.90	-7,244.69	8,600.06	8,543.91	56.15	153.157					
6,350.00	6,223.30	6,155.34	6,137.75	31.92	26.93	152.37	-1,866.29	-7,245.00	8,608.25	8,551.69	56.56	152.203					
6,400.00	6,273.06	6,200.23	6,182.65	32.13	27.11	131.05	-1,866.71	-7,245.33	8,612.64	8,555.69	56.95	151.227					
6,450.00	6,323.01	6,244.64	6,227.05	32.32	27.30	40.66	-1,867.11	-7,245.69	8,613.21	8,555.89	57.32	150.265					
6,500.00	6,372.84	6,288.97	6,271.38	32.48	27.48	8.35	-1,867.48	-7,246.08	8,609.97	8,552.30	57.66	149.316					
6,550.00	6,422.24	6,326.93	6,309.34	32.65	27.63	0.48	-1,867.73	-7,246.47	8,602.94	8,544.98	57.96	148.427					
6,600.00	6,470.92	6,364.52	6,346.91	32.83	27.79	-3.01	-1,867.87	-7,246.93	8,592.18	8,533.94	58.24	147.525					
6,650.00	6,518.56	6,421.75	6,404.14	33.01	28.02	-5.09	-1,867.96	-7,247.67	8,577.72	8,519.12	58.60	146.366					
6,700.00	6,564.89	6,445.00	6,427.39	33.21	28.12	-6.58	-1,867.99	-7,247.95	8,559.62	8,500.83	58.79	145.596					
6,750.00	6,609.60	6,465.35	6,447.74	33.43	28.20	-7.81	-1,868.16	-7,248.23	8,538.12	8,479.17	58.95	144.842					
6,800.00	6,652.43	6,477.00	6,459.39	33.66	28.25	-8.93	-1,868.39	-7,248.41	8,513.39	8,454.34	59.05	144.171					
6,850.00	6,693.10	6,477.00	6,459.39	33.91	28.25	-10.03	-1,868.39	-7,248.41	8,485.59	8,426.51	59.09	143.616					
6,900.00	6,731.38	6,497.50	6,479.87	34.20	28.33	-11.22	-1,869.14	-7,248.79	8,454.80	8,395.59	59.21	142.801					
6,950.00	6,767.02	6,509.00	6,491.35	34.51	28.38	-12.55	-1,869.76	-7,249.02	8,421.25	8,361.97	59.28	142.066					
7,000.00	6,799.81	6,509.00	6,491.35	34.85	28.38	-14.05	-1,869.76	-7,249.02	8,385.12	8,325.83	59.28	141.438					
7,050.00	6,829.54	6,509.00	6,491.35	35.24	28.38	-15.86	-1,869.76	-7,249.02	8,346.62	8,287.33	59.29	140.782					
7,100.00	6,856.03	6,524.89	6,507.20	35.66	28.44	-18.16	-1,870.89	-7,249.39	8,305.88	8,246.52	59.36	139.919					
7,150.00	6,879.11	6,541.00	6,523.23	36.12	28.51	-21.11	-1,872.34	-7,249.83	8,263.27	8,203.83	59.44	139.025					
7,200.00	6,898.65	6,541.00	6,523.23	36.62	28.51	-24.91	-1,872.34	-7,249.83	8,218.89	8,159.45	59.44	138.280					
7,250.00	6,914.51	6,541.00	6,523.23	37.15	28.51	-30.10	-1,872.34	-7,249.83	8,173.06	8,113.62	59.44	137.503					
7,300.00	6,926.62	6,541.00	6,523.23	37.73	28.51	-37.45	-1,872.34	-7,249.83	8,126.05	8,066.61	59.45	136.695					
7,350.00	6,934.88	6,541.00	6,523.23	38.34	28.51	-48.17	-1,872.34	-7,249.83	8,078.13	8,018.67	59.46	135.856					
7,400.00	6,939.26	6,541.00	6,523.23	38.97	28.51	-63.67	-1,872.34	-7,249.83	8,029.58	7,970.10	59.48	134.985					
7,429.12	6,940.00	6,541.00	6,523.23	39.34	28.51	-75.05	-1,872.34	-7,249.83	8,001.13	7,941.63	59.50	134.463					
7,500.00	6,940.19	6,541.00	6,523.23	40.31	28.51	-75.05	-1,872.34	-7,249.83	7,931.80	7,872.25	59.56	133.181					
7,600.00	6,940.46	6,541.00	6,523.23	41.80	28.51	-75.05	-1,872.34	-7,249.83	7,834.04	7,774.39	59.64	131.347					
7,700.00	6,940.72	6,541.00	6,523.23	43.43	28.51	-75.05	-1,872.34	-7,249.83	7,736.33	7,676.58	59.75	129.483					
7,800.00	6,940.99	6,541.00	6,523.23	45.19	28.51	-75.05	-1,872.34	-7,249.83	7,638.68	7,578.81	59.87	127.590					
7,900.00	6,941.25	6,541.00	6,523.23	47.05	28.51	-75.05	-1,872.34	-7,249.83	7,541.09	7,481.08	60.01	125.666					
8,000.00	6,941.52	6,541.00	6,523.23	49.02	28.51	-75.05	-1,872.34	-7,249.83	7,443.57	7,383.40	60.17	123.713					
8,100.00	6,941.79	6,541.00	6,523.23	51.06	28.51	-75.05	-1,872.34	-7,249.83	7,346.11	7,285.77	60.35	121.729					
8,200.00	6,942.05	6,541.00	6,523.23	53.18	28.51	-75.05	-1,872.34	-7,249.83	7,248.73	7,188.18	60.55	119.716					
8,300.00	6,942.32	6,541.00	6,523.23	55.37	28.51	-75.05	-1,872.34	-7,249.83	7,151.41	7,090.64	60.77	117.672					
8,400.00	6,942.58	6,541.00	6,523.23	57.62	28.51	-75.05	-1,872.34	-7,249.83	7,054.17	6,993.15	61.02	115.600					
8,500.00	6,942.85	6,541.00	6,523.23	59.92	28.51	-75.05	-1,872.34	-7,249.83	6,957.01	6,895.71	61.30	113.498					
8,600.00	6,943.12	6,552.50	6,534.66	62.26	28.55	-75.44	-1,873.57	-7,250.18	6,859.89	6,798.23	61.66	111.252					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
8,700.00	6,943.38	6,553.31	6,535.47	64.65	28.55	-75.47	-1,873.67	-7,250.21	6,762.89	6,700.89	61.99	109.089			
8,800.00	6,943.65	6,554.14	6,536.29	67.08	28.55	-75.50	-1,873.76	-7,250.24	6,665.97	6,603.62	62.36	106.899			
8,900.00	6,943.91	6,554.97	6,537.11	69.53	28.56	-75.52	-1,873.86	-7,250.26	6,569.15	6,506.40	62.75	104.685			
9,000.00	6,944.18	6,555.81	6,537.95	72.02	28.56	-75.55	-1,873.96	-7,250.29	6,472.43	6,409.25	63.18	102.447			
9,100.00	6,944.45	6,556.66	6,538.79	74.54	28.56	-75.58	-1,874.06	-7,250.32	6,375.80	6,312.16	63.64	100.187			
9,200.00	6,944.71	6,557.51	6,539.64	77.07	28.57	-75.61	-1,874.16	-7,250.34	6,279.28	6,215.15	64.13	97.908			
9,300.00	6,944.98	6,558.38	6,540.49	79.63	28.57	-75.64	-1,874.26	-7,250.37	6,182.88	6,118.21	64.67	95.610			
9,400.00	6,945.24	6,559.25	6,541.36	82.21	28.57	-75.67	-1,874.37	-7,250.40	6,086.58	6,021.34	65.24	93.296			
9,500.00	6,945.51	6,560.13	6,542.24	84.81	28.58	-75.70	-1,874.47	-7,250.43	5,990.41	5,924.56	65.85	90.968			
9,600.00	6,945.78	6,561.02	6,543.12	87.43	28.58	-75.73	-1,874.58	-7,250.46	5,894.36	5,827.86	66.51	88.628			
9,700.00	6,946.04	6,572.00	6,554.00	90.05	28.62	-76.11	-1,876.01	-7,250.84	5,798.49	5,731.21	67.27	86.193			
9,800.00	6,946.31	6,572.00	6,554.00	92.70	28.62	-76.11	-1,876.01	-7,250.84	5,702.71	5,634.69	68.01	83.847			
9,900.00	6,946.57	6,572.00	6,554.00	95.35	28.62	-76.11	-1,876.01	-7,250.84	5,607.08	5,538.27	68.80	81.496			
10,000.00	6,946.84	6,572.00	6,554.00	98.02	28.62	-76.11	-1,876.01	-7,250.84	5,511.60	5,441.96	69.64	79.145			
10,100.00	6,947.11	6,572.00	6,554.00	100.70	28.62	-76.11	-1,876.01	-7,250.84	5,416.29	5,345.76	70.53	76.794			
10,200.00	6,947.37	6,572.00	6,554.00	103.38	28.62	-76.11	-1,876.01	-7,250.84	5,321.14	5,249.67	71.48	74.448			
10,300.00	6,947.64	6,572.00	6,554.00	106.08	28.62	-76.11	-1,876.01	-7,250.84	5,226.18	5,153.71	72.48	72.108			
10,400.00	6,947.90	6,572.00	6,554.00	108.78	28.62	-76.11	-1,876.01	-7,250.84	5,131.42	5,057.88	73.54	69.779			
10,500.00	6,948.17	6,572.00	6,554.00	111.49	28.62	-76.11	-1,876.01	-7,250.84	5,036.85	4,962.19	74.66	67.462			
10,600.00	6,948.44	6,572.00	6,554.00	114.21	28.62	-76.11	-1,876.01	-7,250.84	4,942.50	4,866.65	75.85	65.161			
10,700.00	6,948.70	6,572.00	6,554.00	116.94	28.62	-76.11	-1,876.01	-7,250.84	4,848.37	4,771.27	77.11	62.878			
10,800.00	6,948.97	6,572.00	6,554.00	119.67	28.62	-76.11	-1,876.01	-7,250.84	4,754.49	4,676.05	78.44	60.616			
10,900.00	6,949.24	6,572.00	6,554.00	122.41	28.62	-76.11	-1,876.01	-7,250.84	4,660.86	4,581.02	79.84	58.379			
11,000.00	6,949.50	6,572.00	6,554.00	125.15	28.62	-76.11	-1,876.01	-7,250.84	4,567.50	4,486.18	81.32	56.167			
11,100.00	6,949.77	6,572.00	6,554.00	127.90	28.62	-76.11	-1,876.01	-7,250.84	4,474.42	4,391.54	82.88	53.985			
11,200.00	6,950.03	6,572.00	6,554.00	130.65	28.62	-76.11	-1,876.01	-7,250.84	4,381.65	4,297.12	84.53	51.835			
11,300.00	6,950.30	6,572.00	6,554.00	133.41	28.62	-76.11	-1,876.01	-7,250.84	4,289.21	4,202.94	86.27	49.719			
11,400.00	6,950.57	6,572.00	6,554.00	136.17	28.62	-76.11	-1,876.01	-7,250.84	4,197.11	4,109.01	88.10	47.638			
11,500.00	6,950.83	6,572.00	6,554.00	138.94	28.62	-76.11	-1,876.01	-7,250.84	4,105.38	4,015.35	90.04	45.597			
11,600.00	6,951.10	6,572.00	6,554.00	141.71	28.62	-76.11	-1,876.01	-7,250.84	4,014.05	3,921.97	92.08	43.595			
11,700.00	6,951.36	6,583.21	6,565.09	144.48	28.66	-76.50	-1,877.61	-7,251.24	3,923.09	3,828.75	94.34	41.585			
11,800.00	6,951.63	6,584.44	6,566.30	147.26	28.67	-76.54	-1,877.80	-7,251.29	3,832.62	3,736.00	96.62	39.667			
11,900.00	6,951.90	6,585.67	6,567.51	150.03	28.67	-76.58	-1,877.98	-7,251.33	3,742.63	3,643.61	99.02	37.795			
12,000.00	6,952.16	6,586.91	6,568.74	152.82	28.68	-76.62	-1,878.17	-7,251.38	3,653.16	3,551.60	101.56	35.971			
12,100.00	6,952.43	6,588.16	6,569.97	155.60	28.68	-76.67	-1,878.36	-7,251.43	3,564.25	3,460.02	104.23	34.195			
12,200.00	6,952.69	6,589.42	6,571.21	158.39	28.69	-76.71	-1,878.56	-7,251.47	3,475.95	3,368.90	107.05	32.471			
12,300.00	6,952.96	6,590.68	6,572.46	161.18	28.69	-76.75	-1,878.76	-7,251.52	3,388.29	3,278.27	110.02	30.797			
12,400.00	6,953.23	6,591.95	6,573.72	163.97	28.70	-76.80	-1,878.96	-7,251.57	3,301.33	3,188.18	113.15	29.177			
12,500.00	6,953.49	6,593.23	6,574.98	166.77	28.70	-76.84	-1,879.16	-7,251.62	3,215.12	3,098.67	116.45	27.609			
12,600.00	6,953.76	6,604.00	6,585.59	169.56	28.74	-77.22	-1,880.96	-7,252.03	3,129.79	3,009.73	120.06	26.068			
12,700.00	6,954.02	6,604.00	6,585.59	172.36	28.74	-77.22	-1,880.96	-7,252.03	3,045.28	2,921.57	123.72	24.615			
12,800.00	6,954.29	6,604.00	6,585.59	175.16	28.74	-77.22	-1,880.96	-7,252.03	2,961.74	2,834.17	127.57	23.217			
12,900.00	6,954.56	6,604.00	6,585.59	177.97	28.74	-77.22	-1,880.96	-7,252.03	2,879.25	2,747.63	131.62	21.875			
13,000.00	6,954.82	6,604.00	6,585.59	180.77	28.74	-77.22	-1,880.96	-7,252.03	2,797.90	2,662.00	135.90	20.588			
13,100.00	6,955.09	6,604.00	6,585.59	183.58	28.74	-77.22	-1,880.96	-7,252.03	2,717.80	2,577.40	140.40	19.358			
13,200.00	6,955.35	6,604.00	6,585.59	186.38	28.74	-77.22	-1,880.96	-7,252.03	2,639.05	2,493.93	145.13	18.184			
13,300.00	6,955.62	6,604.00	6,585.59	189.19	28.74	-77.22	-1,880.96	-7,252.03	2,561.79	2,411.69	150.10	17.067			
13,400.00	6,955.89	6,604.00	6,585.59	192.00	28.74	-77.22	-1,880.96	-7,252.03	2,486.15	2,330.83	155.31	16.007			
13,500.00	6,956.15	6,604.00	6,585.59	194.82	28.74	-77.22	-1,880.96	-7,252.03	2,412.28	2,251.50	160.78	15.003			
13,600.00	6,956.42	6,604.00	6,585.59	197.63	28.74	-77.22	-1,880.96	-7,252.03	2,340.36	2,173.86	166.50	14.056			
13,700.00	6,956.68	6,604.00	6,585.59	200.44	28.74	-77.22	-1,880.96	-7,252.03	2,270.56	2,098.10	172.46	13.166			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
13,800.00	6,956.95	6,604.00	6,585.59	203.26	28.74	-77.22	-1,880.96	-7,252.03	2,203.09	2,024.43	178.66	12.331		
13,900.00	6,957.22	6,613.02	6,594.45	206.08	28.77	-77.53	-1,882.56	-7,252.37	2,138.12	1,952.83	185.29	11.539		
14,000.00	6,957.48	6,614.53	6,595.94	208.89	28.78	-77.58	-1,882.84	-7,252.43	2,075.97	1,884.01	191.97	10.814		
14,100.00	6,957.75	6,616.03	6,597.42	211.71	28.78	-77.63	-1,883.12	-7,252.49	2,016.87	1,818.05	198.81	10.145		
14,200.00	6,958.02	6,617.53	6,598.89	214.53	28.79	-77.68	-1,883.40	-7,252.54	1,961.07	1,755.28	205.79	9.529		
14,300.00	6,958.28	6,619.02	6,600.35	217.36	28.79	-77.74	-1,883.68	-7,252.60	1,908.89	1,696.04	212.85	8.968		
14,400.00	6,958.55	6,620.50	6,601.80	220.18	28.80	-77.79	-1,883.96	-7,252.65	1,860.62	1,640.69	219.93	8.460		
14,500.00	6,958.81	6,621.97	6,603.24	223.00	28.80	-77.84	-1,884.24	-7,252.71	1,816.57	1,589.64	226.94	8.005		
14,600.00	6,959.08	6,623.43	6,604.67	225.83	28.81	-77.89	-1,884.52	-7,252.76	1,777.06	1,543.27	233.79	7.601		
14,700.00	6,959.35	6,624.88	6,606.10	228.65	28.81	-77.94	-1,884.80	-7,252.82	1,742.40	1,502.02	240.38	7.248		
14,800.00	6,959.61	6,635.00	6,616.00	231.48	28.85	-78.29	-1,886.84	-7,253.19	1,712.94	1,466.06	246.88	6.938		
14,900.00	6,959.88	6,635.00	6,616.00	234.30	28.85	-78.29	-1,886.84	-7,253.19	1,688.81	1,436.22	252.59	6.686		
15,000.00	6,960.14	6,635.00	6,616.00	237.13	28.85	-78.29	-1,886.84	-7,253.19	1,670.33	1,412.61	257.71	6.481		
15,100.00	6,960.41	6,635.00	6,616.00	239.96	28.85	-78.29	-1,886.84	-7,253.19	1,657.68	1,395.54	262.15	6.323		
15,200.00	6,960.68	6,635.00	6,616.00	242.79	28.85	-78.29	-1,886.84	-7,253.19	1,651.01	1,385.20	265.81	6.211		
15,260.40	6,960.84	6,635.00	6,616.00	244.50	28.85	-78.29	-1,886.84	-7,253.19	1,649.91	1,382.28	267.63	6.165 CC		
15,300.00	6,960.94	6,635.00	6,616.00	245.62	28.85	-78.29	-1,886.84	-7,253.19	1,650.38	1,381.74	268.65	6.143 ES		
15,400.00	6,961.21	6,635.00	6,616.00	248.45	28.85	-78.29	-1,886.84	-7,253.19	1,655.80	1,385.18	270.62	6.119 SF		
15,500.00	6,961.47	6,635.00	6,616.00	251.28	28.85	-78.29	-1,886.84	-7,253.19	1,667.21	1,395.49	271.72	6.136		
15,600.00	6,961.74	6,635.00	6,616.00	254.11	28.85	-78.29	-1,886.84	-7,253.19	1,684.49	1,412.51	271.98	6.193		
15,700.00	6,962.01	6,635.00	6,616.00	256.94	28.85	-78.29	-1,886.84	-7,253.19	1,707.46	1,436.01	271.45	6.290		
15,800.00	6,962.27	6,635.00	6,616.00	259.77	28.85	-78.29	-1,886.84	-7,253.19	1,735.90	1,465.71	270.19	6.425		
15,900.00	6,962.54	6,635.00	6,616.00	262.61	28.85	-78.29	-1,886.84	-7,253.19	1,769.54	1,501.26	268.28	6.596		
16,000.00	6,962.80	6,635.00	6,616.00	265.44	28.85	-78.29	-1,886.84	-7,253.19	1,808.09	1,542.27	265.82	6.802		
16,100.00	6,963.07	6,635.00	6,616.00	268.28	28.85	-78.29	-1,886.84	-7,253.19	1,851.25	1,588.36	262.89	7.042		
16,200.00	6,963.34	6,645.62	6,626.37	271.11	28.89	-78.66	-1,889.09	-7,253.56	1,898.60	1,638.66	259.95	7.304		
16,300.00	6,963.60	6,646.93	6,627.65	273.95	28.89	-78.70	-1,889.38	-7,253.61	1,950.01	1,693.61	256.40	7.605		
16,400.00	6,963.87	6,648.23	6,628.92	276.78	28.90	-78.75	-1,889.67	-7,253.66	2,005.08	1,752.45	252.63	7.937		
16,500.00	6,964.13	6,649.53	6,630.18	279.62	28.90	-78.80	-1,889.95	-7,253.70	2,063.53	1,814.81	248.72	8.297		
16,600.00	6,964.40	6,650.82	6,631.44	282.46	28.91	-78.84	-1,890.24	-7,253.75	2,125.08	1,880.35	244.73	8.683		
16,700.00	6,964.67	6,652.10	6,632.69	285.29	28.91	-78.88	-1,890.53	-7,253.79	2,189.46	1,948.77	240.69	9.096		
16,800.00	6,964.93	6,653.37	6,633.93	288.13	28.91	-78.93	-1,890.82	-7,253.83	2,256.44	2,019.78	236.66	9.534		
16,900.00	6,965.20	6,654.64	6,635.16	290.97	28.92	-78.97	-1,891.10	-7,253.88	2,325.79	2,093.12	232.67	9.996		
17,000.00	6,965.46	6,655.90	6,636.38	293.81	28.92	-79.02	-1,891.39	-7,253.92	2,397.31	2,168.57	228.73	10.481		
17,100.00	6,965.73	6,657.15	6,637.60	296.65	28.93	-79.06	-1,891.68	-7,253.96	2,470.79	2,245.91	224.88	10.987		
17,200.00	6,966.00	6,667.00	6,647.17	299.49	28.96	-79.40	-1,894.00	-7,254.29	2,546.13	2,324.76	221.37	11.502		
17,300.00	6,966.26	6,667.00	6,647.17	302.32	28.96	-79.40	-1,894.00	-7,254.29	2,623.06	2,405.38	217.68	12.050		
17,400.00	6,966.53	6,667.00	6,647.17	305.16	28.96	-79.40	-1,894.00	-7,254.29	2,701.51	2,487.40	214.11	12.618		
17,500.00	6,966.80	6,667.00	6,647.17	308.00	28.96	-79.40	-1,894.00	-7,254.29	2,781.33	2,570.68	210.65	13.204		
17,600.00	6,967.06	6,667.00	6,647.17	310.85	28.96	-79.40	-1,894.00	-7,254.29	2,862.43	2,655.11	207.32	13.807		
17,700.00	6,967.33	6,667.00	6,647.17	313.69	28.96	-79.40	-1,894.00	-7,254.29	2,944.69	2,740.58	204.10	14.427		
17,800.00	6,967.59	6,667.00	6,647.17	316.53	28.96	-79.40	-1,894.00	-7,254.29	3,028.01	2,827.00	201.01	15.064		
17,900.00	6,967.86	6,667.00	6,647.17	319.37	28.96	-79.40	-1,894.00	-7,254.29	3,112.32	2,914.28	198.04	15.716		
18,000.00	6,968.13	6,667.00	6,647.17	322.21	28.96	-79.40	-1,894.00	-7,254.29	3,197.53	3,002.34	195.19	16.382		
18,100.00	6,968.39	6,667.00	6,647.17	325.05	28.96	-79.40	-1,894.00	-7,254.29	3,283.58	3,091.13	192.44	17.063		
18,200.00	6,968.66	6,667.00	6,647.17	327.90	28.96	-79.40	-1,894.00	-7,254.29	3,370.39	3,180.58	189.81	17.757		
18,300.00	6,968.92	6,667.00	6,647.17	330.74	28.96	-79.40	-1,894.00	-7,254.29	3,457.92	3,270.64	187.28	18.464		
18,400.00	6,969.19	6,667.00	6,647.17	333.58	28.96	-79.40	-1,894.00	-7,254.29	3,546.11	3,361.25	184.86	19.183		
18,500.00	6,969.46	6,667.00	6,647.17	336.43	28.96	-79.40	-1,894.00	-7,254.29	3,634.91	3,452.38	182.53	19.914		
18,600.00	6,969.72	6,667.00	6,647.17	339.27	28.96	-79.40	-1,894.00	-7,254.29	3,724.28	3,543.99	180.29	20.657		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Falken 9-11 PAD - Harvesters Resources #15M-423(PR) - OH - OH		Offset Site Error:		0.00 ft	
Survey Program:												146-MWD		Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
18,704.56	6,970.00	6,676.55	6,656.41	342.24	28.99	-79.73	-1,896.36	-7,254.61	3,818.25	3,639.98	178.27	21.419					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	233.70	233.62	3.28	3.36	-106.81	-2,138.62	-7,079.87	7,399.83					
100.00	100.00	319.21	319.09	3.28	3.46	-106.81	-2,138.06	-7,077.18	7,396.64	7,389.89	6.74	1,096.773		
200.00	200.00	368.72	368.58	3.34	3.53	-106.81	-2,137.94	-7,075.76	7,393.85	7,386.98	6.87	1,076.727		
262.45	262.44	396.43	396.27	3.40	3.58	153.20	-2,137.53	-7,075.25	7,393.10	7,386.13	6.97	1,060.519		
300.00	299.98	422.00	421.84	3.44	3.62	153.20	-2,136.90	-7,074.98	7,393.38	7,386.32	7.06	1,047.013		
400.00	399.84	459.09	458.92	3.60	3.69	153.19	-2,135.97	-7,074.79	7,396.75	7,389.46	7.29	1,015.076		
500.00	499.45	513.00	512.82	3.80	3.81	153.14	-2,135.12	-7,074.75	7,403.97	7,396.36	7.60	973.815		
600.00	598.70	603.58	603.39	4.05	4.02	153.09	-2,134.50	-7,074.80	7,414.70	7,406.63	8.06	919.759		
700.00	697.47	768.84	768.64	4.33	4.47	153.07	-2,132.92	-7,073.78	7,427.67	7,418.87	8.80	844.073		
803.50	799.05	870.83	870.62	4.67	4.79	152.99	-2,131.60	-7,073.02	7,444.28	7,434.84	9.44	788.359		
900.00	893.41	939.86	939.64	5.02	5.01	153.05	-2,130.99	-7,072.53	7,461.46	7,451.47	10.00	746.469		
1,000.00	991.20	1,000.00	1,048.96	5.41	5.22	153.14	-2,129.60	-7,071.98	7,479.36	7,468.81	10.55	708.610		
1,100.00	1,088.99	1,144.00	1,143.76	5.81	5.72	153.22	-2,127.93	-7,071.46	7,497.11	7,485.67	11.43	655.700		
1,200.00	1,186.78	1,201.20	1,200.95	6.23	5.92	153.27	-2,126.90	-7,071.40	7,515.26	7,503.23	12.03	624.872		
1,300.00	1,284.57	2,068.38	2,065.46	6.67	9.39	154.08	-2,090.11	-7,032.84	7,528.41	7,512.56	15.85	475.100		
1,400.00	1,382.36	2,213.65	2,209.64	7.12	10.03	154.25	-2,077.07	-7,020.95	7,537.20	7,520.32	16.87	446.684		
1,500.00	1,480.15	2,342.18	2,337.12	7.57	10.61	154.39	-2,066.36	-7,008.49	7,544.46	7,526.61	17.84	422.802		
1,600.00	1,577.94	2,397.64	2,392.18	8.03	10.87	154.45	-2,062.35	-7,003.18	7,552.24	7,533.72	18.51	407.914		
1,700.00	1,675.73	2,472.35	2,466.39	8.50	11.21	154.52	-2,057.07	-6,996.32	7,560.48	7,541.20	19.27	392.299		
1,800.00	1,773.52	2,654.38	2,647.08	8.98	12.05	154.72	-2,042.88	-6,979.47	7,568.57	7,548.07	20.50	369.243		
1,900.00	1,871.31	2,818.13	2,809.40	9.45	12.82	154.89	-2,029.42	-6,962.63	7,575.48	7,553.83	21.65	349.849		
2,000.00	1,969.10	2,904.55	2,895.09	9.94	13.23	154.97	-2,024.06	-6,952.79	7,581.93	7,559.45	22.48	337.275		
2,100.00	2,066.88	2,963.00	2,953.10	10.42	13.50	155.02	-2,020.59	-6,946.48	7,588.97	7,565.78	23.19	327.261		
2,200.00	2,164.67	2,992.90	2,982.79	10.91	13.64	155.05	-2,018.79	-6,943.48	7,596.71	7,572.93	23.78	319.483		
2,300.00	2,262.46	3,027.81	3,017.49	11.40	13.81	155.08	-2,016.67	-6,940.26	7,605.31	7,580.92	24.39	311.834		
2,400.00	2,360.25	2,400.00	3,216.15	11.89	10.85	155.27	-2,003.60	-6,921.90	7,614.01	7,591.89	22.12	344.244		
2,500.00	2,458.04	3,282.51	3,270.51	12.39	15.01	155.33	-1,999.75	-6,916.53	7,621.92	7,595.50	26.43	288.416		
2,600.00	2,555.83	3,341.00	3,328.65	12.88	15.29	155.39	-1,995.92	-6,911.46	7,630.81	7,603.66	27.15	281.082		
2,700.00	2,653.62	3,384.85	3,372.27	13.38	15.49	155.43	-1,993.19	-6,907.91	7,640.26	7,612.45	27.80	274.788		
2,800.00	2,751.41	3,548.54	3,535.00	13.88	16.26	155.58	-1,982.71	-6,893.71	7,649.36	7,620.36	28.99	263.835		
2,900.00	2,849.20	3,627.00	3,612.98	14.38	16.64	155.66	-1,977.35	-6,886.80	7,658.29	7,628.49	29.81	256.930		
3,000.00	2,946.99	4,040.38	4,022.77	14.88	18.66	156.06	-1,947.95	-6,841.49	7,664.31	7,632.21	32.10	238.758		
3,100.00	3,044.78	4,102.00	4,083.69	15.38	18.98	156.12	-1,942.52	-6,834.02	7,669.59	7,636.73	32.85	233.447		
3,200.00	3,142.57	4,142.01	4,123.26	15.89	19.18	156.17	-1,938.86	-6,829.47	7,675.51	7,642.00	33.51	229.043		
3,300.00	3,240.36	4,197.00	4,177.73	16.39	19.45	156.23	-1,933.88	-6,823.71	7,682.27	7,648.04	34.23	224.400		
3,400.00	3,338.15	4,197.00	4,177.73	16.89	19.45	156.23	-1,933.88	-6,823.71	7,689.83	7,655.12	34.71	221.555		
3,500.00	3,435.93	4,250.49	4,230.78	17.40	19.71	156.29	-1,929.20	-6,818.74	7,698.13	7,662.71	35.42	217.333		
3,600.00	3,533.72	4,292.00	4,272.01	17.90	19.92	156.33	-1,925.77	-6,815.34	7,707.38	7,671.31	36.08	213.634		
3,700.00	3,631.51	4,340.60	4,320.31	18.41	20.15	156.38	-1,921.79	-6,811.70	7,717.36	7,680.59	36.76	209.914		
3,800.00	3,729.30	4,410.60	4,389.88	18.92	20.48	156.46	-1,915.88	-6,806.78	7,727.81	7,690.26	37.55	205.804		
3,900.00	3,827.09	3,900.00	4,517.12	19.42	18.04	156.60	-1,904.96	-6,797.83	7,738.34	7,702.62	35.72	216.634		
4,000.00	3,924.88	4,629.31	4,607.22	19.93	21.53	156.71	-1,897.13	-6,791.16	7,748.51	7,709.02	39.49	196.221		
4,100.00	4,022.67	4,711.19	4,688.62	20.44	21.92	156.80	-1,890.19	-6,785.56	7,759.19	7,718.86	40.33	192.388		
4,200.00	4,120.46	4,800.21	4,777.13	20.95	22.35	156.89	-1,883.23	-6,779.06	7,769.67	7,728.47	41.21	188.559		
4,300.00	4,218.25	4,862.00	4,838.62	21.46	22.64	156.95	-1,878.69	-6,775.00	7,780.87	7,738.92	41.95	185.473		
4,400.00	4,316.04	4,930.39	4,906.72	21.97	22.96	157.02	-1,874.08	-6,770.72	7,792.53	7,749.80	42.73	182.386		
4,500.00	4,413.83	5,000.38	4,976.45	22.48	23.28	157.08	-1,870.16	-6,766.14	7,804.31	7,760.81	43.50	179.397		
4,600.00	4,511.62	5,053.00	5,028.92	22.99	23.53	157.12	-1,868.17	-6,762.78	7,816.64	7,772.45	44.20	176.860		
4,700.00	4,609.41	5,053.00	5,028.92	23.50	23.53	157.12	-1,868.17	-6,762.78	7,829.92	7,785.28	44.64	175.406		
4,800.00	4,707.20	5,101.03	5,076.86	24.01	23.74	157.16	-1,866.73	-6,760.23	7,843.82	7,798.52	45.30	173.148		
4,900.00	4,804.98	5,148.00	5,123.78	24.52	23.94	157.20	-1,865.30	-6,758.69	7,859.00	7,813.04	45.96	171.010		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,902.77	5,148.00	5,123.78	25.03	23.94	157.20	-1,865.30	-6,758.69	7,874.82	7,828.44	46.38	169.786			
5,100.00	5,000.56	5,212.54	5,188.28	25.54	24.22	157.25	-1,863.27	-6,757.35	7,891.49	7,844.38	47.11	167.496			
5,200.00	5,098.35	5,242.00	5,217.72	26.05	24.35	157.27	-1,862.32	-6,756.83	7,908.70	7,861.02	47.67	165.893			
5,300.00	5,196.14	5,278.30	5,254.01	26.56	24.49	157.30	-1,861.44	-6,756.43	7,926.70	7,878.44	48.25	164.276			
5,400.00	5,293.93	5,301.63	5,277.33	27.07	24.58	157.31	-1,861.20	-6,756.39	7,945.67	7,896.91	48.77	162.938			
5,500.00	5,391.72	5,337.00	5,312.70	27.58	24.72	157.33	-1,861.33	-6,756.65	7,965.61	7,916.28	49.33	161.472			
5,600.00	5,489.51	5,401.47	5,377.16	28.09	24.95	157.37	-1,862.04	-6,757.41	7,986.23	7,936.21	50.02	159.659			
5,700.00	5,587.30	5,532.64	5,508.32	28.61	25.43	157.44	-1,863.21	-6,758.60	8,006.65	7,955.62	51.02	156.924			
5,800.00	5,685.09	5,615.10	5,590.77	29.12	25.74	157.48	-1,863.85	-6,759.28	8,026.98	7,975.18	51.80	154.963			
5,900.00	5,782.88	5,686.52	5,662.19	29.63	26.00	157.52	-1,864.50	-6,760.02	8,047.54	7,995.02	52.52	153.216			
6,000.00	5,880.67	5,758.52	5,734.18	30.14	26.27	157.56	-1,865.25	-6,760.99	8,068.44	8,015.19	53.25	151.515			
6,100.00	5,978.46	5,836.25	5,811.89	30.65	26.56	157.60	-1,865.80	-6,762.34	8,089.63	8,035.63	54.01	149.788			
6,200.00	6,076.25	5,926.56	5,902.18	31.17	26.90	157.65	-1,866.57	-6,764.01	8,110.98	8,056.15	54.82	147.944			
6,298.86	6,172.92	6,014.99	5,990.59	31.67	27.23	157.70	-1,867.28	-6,765.71	8,132.16	8,076.53	55.63	146.185			
6,300.00	6,174.03	6,015.83	5,991.44	31.68	27.24	157.62	-1,867.29	-6,765.73	8,132.40	8,076.76	55.64	146.167			
6,350.00	6,223.30	6,053.27	6,028.87	31.92	27.38	151.66	-1,867.55	-6,766.51	8,141.21	8,085.21	56.00	145.375			
6,400.00	6,273.06	6,091.13	6,066.72	32.13	27.52	130.36	-1,867.81	-6,767.36	8,146.28	8,089.93	56.35	144.557			
6,450.00	6,323.01	6,220.34	6,195.91	32.32	28.01	40.00	-1,868.98	-6,769.50	8,147.16	8,090.03	57.13	142.606			
6,500.00	6,372.84	6,256.76	6,232.32	32.48	28.15	7.69	-1,869.26	-6,770.01	8,144.15	8,086.72	57.43	141.816			
6,550.00	6,422.24	6,292.66	6,268.21	32.65	28.29	-0.18	-1,869.44	-6,770.59	8,137.39	8,079.68	57.71	141.014			
6,600.00	6,470.92	6,320.00	6,295.55	32.83	28.39	-3.68	-1,869.54	-6,771.08	8,126.93	8,069.00	57.93	140.292			
6,650.00	6,518.56	6,352.00	6,327.54	33.01	28.52	-5.77	-1,869.91	-6,771.71	8,112.88	8,054.72	58.16	139.493			
6,700.00	6,564.89	6,352.00	6,327.54	33.21	28.52	-7.26	-1,869.91	-6,771.71	8,095.37	8,037.16	58.22	139.052			
6,750.00	6,609.60	6,370.15	6,345.67	33.43	28.58	-8.49	-1,870.45	-6,772.11	8,074.50	8,016.15	58.35	138.376			
6,800.00	6,652.43	6,384.00	6,359.51	33.66	28.64	-9.63	-1,871.10	-6,772.46	8,050.42	7,991.97	58.45	137.726			
6,850.00	6,693.10	6,384.00	6,359.51	33.91	28.64	-10.74	-1,871.10	-6,772.46	8,023.25	7,964.78	58.47	137.213			
6,900.00	6,731.38	6,384.00	6,359.51	34.20	28.64	-11.92	-1,871.10	-6,772.46	7,993.17	7,934.68	58.48	136.674			
6,950.00	6,767.02	6,400.26	6,375.72	34.51	28.69	-13.27	-1,872.16	-6,772.94	7,960.23	7,901.66	58.57	135.919			
7,000.00	6,799.81	6,415.00	6,390.40	34.85	28.75	-14.83	-1,873.40	-6,773.47	7,924.76	7,866.12	58.64	135.153			
7,050.00	6,829.54	6,415.00	6,390.40	35.24	28.75	-16.64	-1,873.40	-6,773.47	7,886.81	7,828.19	58.63	134.525			
7,100.00	6,856.03	6,415.00	6,390.40	35.66	28.75	-18.87	-1,873.40	-6,773.47	7,846.68	7,788.06	58.62	133.864			
7,150.00	6,879.11	6,415.00	6,390.40	36.12	28.75	-21.69	-1,873.40	-6,773.47	7,804.58	7,745.97	58.61	133.169			
7,200.00	6,898.65	6,426.75	6,402.08	36.62	28.79	-25.45	-1,874.57	-6,773.94	7,760.69	7,702.03	58.66	132.306			
7,250.00	6,914.51	6,430.92	6,406.23	37.15	28.80	-30.46	-1,875.01	-6,774.11	7,715.31	7,656.63	58.67	131.493			
7,300.00	6,926.62	6,434.24	6,409.52	37.73	28.81	-37.41	-1,875.38	-6,774.25	7,668.68	7,609.99	58.69	130.654			
7,350.00	6,934.88	6,447.00	6,422.18	38.34	28.86	-47.52	-1,876.91	-6,774.81	7,621.11	7,562.34	58.77	129.674			
7,400.00	6,939.26	6,447.00	6,422.18	38.97	28.86	-61.56	-1,876.91	-6,774.81	7,572.82	7,514.02	58.79	128.802			
7,429.12	6,940.00	6,447.00	6,422.18	39.34	28.86	-71.84	-1,876.91	-6,774.81	7,544.48	7,485.67	58.81	128.278			
7,500.00	6,940.19	6,447.00	6,422.18	40.31	28.86	-71.84	-1,876.91	-6,774.81	7,475.43	7,416.56	58.87	126.988			
7,600.00	6,940.46	6,447.00	6,422.18	41.80	28.86	-71.84	-1,876.91	-6,774.81	7,378.06	7,319.10	58.96	125.141			
7,700.00	6,940.72	6,447.00	6,422.18	43.43	28.86	-71.84	-1,876.91	-6,774.81	7,280.76	7,221.69	59.07	123.263			
7,800.00	6,940.99	6,447.00	6,422.18	45.19	28.86	-71.84	-1,876.91	-6,774.81	7,183.53	7,124.34	59.20	121.352			
7,900.00	6,941.25	6,447.00	6,422.18	47.05	28.86	-71.84	-1,876.91	-6,774.81	7,086.38	7,027.04	59.35	119.407			
8,000.00	6,941.52	6,447.00	6,422.18	49.02	28.86	-71.84	-1,876.91	-6,774.81	6,989.32	6,929.80	59.52	117.430			
8,100.00	6,941.79	6,447.00	6,422.18	51.06	28.86	-71.84	-1,876.91	-6,774.81	6,892.33	6,832.62	59.72	115.420			
8,200.00	6,942.05	6,451.95	6,427.08	53.18	28.87	-72.00	-1,877.54	-6,775.04	6,795.43	6,735.47	59.96	113.324			
8,300.00	6,942.32	6,462.31	6,437.34	55.37	28.91	-72.35	-1,878.92	-6,775.48	6,698.62	6,638.35	60.27	111.138			
8,400.00	6,942.58	6,471.59	6,446.52	57.62	28.94	-72.66	-1,880.21	-6,775.85	6,601.90	6,541.29	60.60	108.933			
8,500.00	6,942.85	6,480.88	6,455.71	59.92	28.97	-72.97	-1,881.55	-6,776.20	6,505.27	6,444.30	60.97	106.699			
8,600.00	6,943.12	6,494.87	6,469.53	62.26	29.02	-73.44	-1,883.69	-6,776.68	6,408.73	6,347.34	61.39	104.389			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
8,700.00	6,943.38	8,700.00	6,502.08	64.65	36.68	-74.56	-1,889.45	-6,777.50	6,312.28	6,242.64	69.64	90.641			
8,800.00	6,943.65	8,800.00	6,504.33	67.08	37.05	-74.64	-1,889.87	-6,777.55	6,215.94	6,145.53	70.41	88.279			
8,900.00	6,943.91	8,800.00	6,504.33	69.53	29.19	-75.25	-1,893.36	-6,777.85	6,119.73	6,056.76	62.97	97.189			
9,000.00	6,944.18	6,549.52	6,523.25	72.02	29.20	-75.29	-1,893.60	-6,777.86	6,023.63	5,960.17	63.46	94.913			
9,100.00	6,944.45	6,550.59	6,524.30	74.54	29.20	-75.33	-1,893.83	-6,777.87	5,927.66	5,863.66	64.00	92.617			
9,200.00	6,944.71	6,551.62	6,525.30	77.07	29.20	-75.36	-1,894.05	-6,777.88	5,831.82	5,767.24	64.58	90.302			
9,300.00	6,944.98	6,552.61	6,526.27	79.63	29.21	-75.40	-1,894.26	-6,777.89	5,736.13	5,670.93	65.20	87.971			
9,400.00	6,945.24	6,553.55	6,527.19	82.21	29.21	-75.43	-1,894.46	-6,777.89	5,640.59	5,574.71	65.87	85.627			
9,500.00	6,945.51	6,554.46	6,528.07	84.81	29.21	-75.46	-1,894.65	-6,777.90	5,545.20	5,478.61	66.59	83.272			
9,600.00	6,945.78	6,555.32	6,528.92	87.43	29.21	-75.49	-1,894.84	-6,777.91	5,449.98	5,382.62	67.36	80.910			
9,700.00	6,946.04	6,556.16	6,529.73	90.05	29.22	-75.52	-1,895.02	-6,777.92	5,354.93	5,286.75	68.18	78.542			
9,800.00	6,946.31	6,556.96	6,530.52	92.70	29.22	-75.55	-1,895.19	-6,777.92	5,260.06	5,191.01	69.05	76.172			
9,900.00	6,946.57	6,557.73	6,531.27	95.35	29.22	-75.57	-1,895.36	-6,777.93	5,165.39	5,095.40	69.99	73.804			
10,000.00	6,946.84	6,558.47	6,531.99	98.02	29.22	-75.60	-1,895.52	-6,777.93	5,070.92	4,999.94	70.98	71.441			
10,100.00	6,947.11	6,559.19	6,532.69	100.70	29.23	-75.62	-1,895.68	-6,777.94	4,976.67	4,904.64	72.04	69.085			
10,200.00	6,947.37	6,559.88	6,533.37	103.38	29.23	-75.65	-1,895.83	-6,777.94	4,882.65	4,809.49	73.16	66.740			
10,300.00	6,947.64	6,560.55	6,534.02	106.08	29.23	-75.67	-1,895.98	-6,777.95	4,788.87	4,714.52	74.35	64.410			
10,400.00	6,947.90	6,561.19	6,534.64	108.78	29.23	-75.69	-1,896.12	-6,777.95	4,695.35	4,619.74	75.61	62.098			
10,500.00	6,948.17	6,561.81	6,535.25	111.49	29.24	-75.71	-1,896.26	-6,777.95	4,602.10	4,525.15	76.95	59.806			
10,600.00	6,948.44	6,562.41	6,535.83	114.21	29.24	-75.73	-1,896.40	-6,777.96	4,509.13	4,430.77	78.37	57.538			
10,700.00	6,948.70	6,562.99	6,536.40	116.94	29.24	-75.75	-1,896.53	-6,777.96	4,416.48	4,336.61	79.87	55.297			
10,800.00	6,948.97	6,563.55	6,536.94	119.67	29.24	-75.77	-1,896.65	-6,777.97	4,324.15	4,242.70	81.45	53.087			
10,900.00	6,949.24	6,564.09	6,537.47	122.41	29.24	-75.79	-1,896.77	-6,777.97	4,232.17	4,149.04	83.13	50.909			
11,000.00	6,949.50	6,564.62	6,537.99	125.15	29.24	-75.81	-1,896.89	-6,777.97	4,140.57	4,056.66	84.91	48.766			
11,100.00	6,949.77	6,565.13	6,538.48	127.90	29.25	-75.82	-1,897.01	-6,777.97	4,049.36	3,962.57	86.78	46.662			
11,200.00	6,950.03	6,565.62	6,538.96	130.65	29.25	-75.84	-1,897.12	-6,777.98	3,958.57	3,869.81	88.76	44.598			
11,300.00	6,950.30	6,566.10	6,539.43	133.41	29.25	-75.86	-1,897.23	-6,777.98	3,868.24	3,777.38	90.85	42.577			
11,400.00	6,950.57	6,566.57	6,539.88	136.17	29.25	-75.87	-1,897.33	-6,777.98	3,778.39	3,685.33	93.06	40.601			
11,500.00	6,950.83	6,567.02	6,540.32	138.94	29.25	-75.89	-1,897.44	-6,777.98	3,689.07	3,593.68	95.39	38.672			
11,600.00	6,951.10	6,567.46	6,540.75	141.71	29.25	-75.90	-1,897.54	-6,777.99	3,600.31	3,502.46	97.85	36.792			
11,700.00	6,951.36	6,567.89	6,541.17	144.48	29.26	-75.92	-1,897.63	-6,777.99	3,512.15	3,411.70	100.45	34.963			
11,800.00	6,951.63	6,574.00	6,547.11	147.26	29.28	-76.13	-1,899.05	-6,778.01	3,424.66	3,321.38	103.28	33.158			
11,900.00	6,951.90	6,574.00	6,547.11	150.03	29.28	-76.13	-1,899.05	-6,778.01	3,337.85	3,231.68	106.17	31.438			
12,000.00	6,952.16	6,574.00	6,547.11	152.82	29.28	-76.13	-1,899.05	-6,778.01	3,251.81	3,142.58	109.22	29.772			
12,100.00	6,952.43	6,574.00	6,547.11	155.60	29.28	-76.13	-1,899.05	-6,778.01	3,166.58	3,054.14	112.44	28.162			
12,200.00	6,952.69	6,574.00	6,547.11	158.39	29.28	-76.13	-1,899.05	-6,778.01	3,082.24	2,966.40	115.84	26.608			
12,300.00	6,952.96	6,574.00	6,547.11	161.18	29.28	-76.13	-1,899.05	-6,778.01	2,998.86	2,879.44	119.42	25.112			
12,400.00	6,953.23	6,574.00	6,547.11	163.97	29.28	-76.13	-1,899.05	-6,778.01	2,916.53	2,793.34	123.20	23.674			
12,500.00	6,953.49	6,574.00	6,547.11	166.77	29.28	-76.13	-1,899.05	-6,778.01	2,835.34	2,708.16	127.18	22.295			
12,600.00	6,953.76	6,574.00	6,547.11	169.56	29.28	-76.13	-1,899.05	-6,778.01	2,755.38	2,624.01	131.37	20.975			
12,700.00	6,954.02	6,574.00	6,547.11	172.36	29.28	-76.13	-1,899.05	-6,778.01	2,676.77	2,540.99	135.78	19.714			
12,800.00	6,954.29	6,574.00	6,547.11	175.16	29.28	-76.13	-1,899.05	-6,778.01	2,599.63	2,459.22	140.42	18.514			
12,900.00	6,954.56	6,574.00	6,547.11	177.97	29.28	-76.13	-1,899.05	-6,778.01	2,524.10	2,378.81	145.29	17.373			
13,000.00	6,954.82	6,574.00	6,547.11	180.77	29.28	-76.13	-1,899.05	-6,778.01	2,450.32	2,299.92	150.39	16.293			
13,100.00	6,955.09	6,574.00	6,547.11	183.58	29.28	-76.13	-1,899.05	-6,778.01	2,378.45	2,222.71	155.74	15.272			
13,200.00	6,955.35	6,574.00	6,547.11	186.38	29.28	-76.13	-1,899.05	-6,778.01	2,308.68	2,147.36	161.32	14.311			
13,300.00	6,955.62	6,574.00	6,547.11	189.19	29.28	-76.13	-1,899.05	-6,778.01	2,241.20	2,074.07	167.13	13.410			
13,400.00	6,955.89	6,574.00	6,547.11	192.00	29.28	-76.13	-1,899.05	-6,778.01	2,176.23	2,003.06	173.17	12.567			
13,500.00	6,956.15	6,574.00	6,547.11	194.82	29.28	-76.13	-1,899.05	-6,778.01	2,113.99	1,934.59	179.40	11.784			
13,600.00	6,956.42	6,574.00	6,547.11	197.63	29.28	-76.13	-1,899.05	-6,778.01	2,054.73	1,868.93	185.80	11.059			
13,700.00	6,956.68	6,574.00	6,547.11	200.44	29.28	-76.13	-1,899.05	-6,778.01	1,998.73	1,806.38	192.34	10.391			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
13,800.00	6,956.95	6,574.00	6,547.11	203.26	29.28	-76.13	-1,899.05	-6,778.01	1,946.25	1,747.27	198.98	9.781			
13,900.00	6,957.22	6,574.00	6,547.11	206.08	29.28	-76.13	-1,899.05	-6,778.01	1,897.60	1,691.95	205.65	9.227			
14,000.00	6,957.48	6,574.00	6,547.11	208.89	29.28	-76.13	-1,899.05	-6,778.01	1,853.07	1,640.78	212.29	8.729			
14,100.00	6,957.75	6,574.00	6,547.11	211.71	29.28	-76.13	-1,899.05	-6,778.01	1,812.96	1,594.15	218.82	8.285			
14,200.00	6,958.02	6,574.00	6,547.11	214.53	29.28	-76.13	-1,899.05	-6,778.01	1,777.59	1,552.45	225.14	7.895			
14,300.00	6,958.28	6,574.00	6,547.11	217.36	29.28	-76.13	-1,899.05	-6,778.01	1,747.22	1,516.06	231.16	7.558			
14,400.00	6,958.55	6,574.00	6,547.11	220.18	29.28	-76.13	-1,899.05	-6,778.01	1,722.14	1,485.36	236.78	7.273			
14,500.00	6,958.81	6,574.00	6,547.11	223.00	29.28	-76.13	-1,899.05	-6,778.01	1,702.57	1,460.67	241.90	7.038			
14,600.00	6,959.08	6,574.00	6,547.11	225.83	29.28	-76.13	-1,899.05	-6,778.01	1,688.71	1,442.28	246.43	6.853			
14,700.00	6,959.35	6,574.00	6,547.11	228.65	29.28	-76.13	-1,899.05	-6,778.01	1,680.69	1,430.41	250.28	6.715			
14,785.10	6,959.57	6,574.00	6,547.11	231.06	29.28	-76.13	-1,899.05	-6,778.01	1,678.53	1,425.56	252.98	6.635 CC			
14,800.00	6,959.61	6,574.00	6,547.11	231.48	29.28	-76.13	-1,899.05	-6,778.01	1,678.60	1,425.21	253.39	6.625 ES			
14,900.00	6,959.88	6,574.00	6,547.11	234.30	29.28	-76.13	-1,899.05	-6,778.01	1,682.46	1,426.73	255.73	6.579			
15,000.00	6,960.14	6,574.00	6,547.11	237.13	29.28	-76.13	-1,899.05	-6,778.01	1,692.23	1,434.96	257.27	6.578 SF			
15,100.00	6,960.41	6,574.00	6,547.11	239.96	29.28	-76.13	-1,899.05	-6,778.01	1,707.82	1,449.79	258.03	6.619			
15,200.00	6,960.68	6,574.00	6,547.11	242.79	29.28	-76.13	-1,899.05	-6,778.01	1,729.05	1,471.01	258.04	6.701			
15,300.00	6,960.94	6,574.00	6,547.11	245.62	29.28	-76.13	-1,899.05	-6,778.01	1,755.73	1,498.38	257.35	6.822			
15,400.00	6,961.21	6,574.00	6,547.11	248.45	29.28	-76.13	-1,899.05	-6,778.01	1,787.62	1,531.58	256.04	6.982			
15,500.00	6,961.47	6,574.00	6,547.11	251.28	29.28	-76.13	-1,899.05	-6,778.01	1,824.43	1,570.26	254.17	7.178			
15,600.00	6,961.74	6,574.00	6,547.11	254.11	29.28	-76.13	-1,899.05	-6,778.01	1,865.89	1,614.06	251.83	7.409			
15,700.00	6,962.01	6,574.00	6,547.11	256.94	29.28	-76.13	-1,899.05	-6,778.01	1,911.68	1,662.58	249.10	7.674			
15,800.00	6,962.27	6,574.00	6,547.11	259.77	29.28	-76.13	-1,899.05	-6,778.01	1,961.50	1,715.44	246.07	7.971			
15,900.00	6,962.54	6,574.00	6,547.11	262.61	29.28	-76.13	-1,899.05	-6,778.01	2,015.06	1,772.27	242.79	8.300			
16,000.00	6,962.80	6,574.00	6,547.11	265.44	29.28	-76.13	-1,899.05	-6,778.01	2,072.07	1,832.72	239.34	8.657			
16,100.00	6,963.07	6,581.44	6,554.34	268.28	29.30	-76.38	-1,900.82	-6,778.03	2,132.21	1,896.20	236.01	9.034			
16,200.00	6,963.34	6,581.72	6,554.62	271.11	29.30	-76.39	-1,900.89	-6,778.03	2,195.29	1,962.90	232.39	9.447			
16,300.00	6,963.60	6,582.01	6,554.89	273.95	29.30	-76.40	-1,900.96	-6,778.03	2,261.03	2,032.29	228.74	9.885			
16,400.00	6,963.87	6,582.29	6,555.16	276.78	29.30	-76.41	-1,901.02	-6,778.03	2,329.21	2,104.12	225.10	10.348			
16,500.00	6,964.13	6,582.57	6,555.44	279.62	29.30	-76.42	-1,901.09	-6,778.04	2,399.63	2,178.14	221.49	10.834			
16,600.00	6,964.40	6,582.85	6,555.71	282.46	29.30	-76.43	-1,901.16	-6,778.04	2,472.08	2,254.14	217.94	11.343			
16,700.00	6,964.67	6,583.13	6,555.98	285.29	29.30	-76.44	-1,901.23	-6,778.04	2,546.40	2,331.93	214.46	11.873			
16,800.00	6,964.93	6,583.42	6,556.26	288.13	29.30	-76.45	-1,901.30	-6,778.04	2,622.42	2,411.35	211.07	12.424			
16,900.00	6,965.20	6,583.70	6,556.53	290.97	29.31	-76.46	-1,901.36	-6,778.04	2,700.01	2,492.24	207.78	12.995			
17,000.00	6,965.46	6,583.98	6,556.80	293.81	29.31	-76.47	-1,901.43	-6,778.04	2,779.04	2,574.46	204.58	13.584			
17,100.00	6,965.73	6,584.25	6,557.07	296.65	29.31	-76.48	-1,901.50	-6,778.04	2,859.37	2,657.88	201.49	14.191			
17,200.00	6,966.00	6,584.53	6,557.34	299.49	29.31	-76.49	-1,901.57	-6,778.04	2,940.92	2,742.41	198.50	14.815			
17,300.00	6,966.26	6,584.81	6,557.61	302.32	29.31	-76.50	-1,901.63	-6,778.04	3,023.57	2,827.94	195.62	15.456			
17,400.00	6,966.53	6,585.09	6,557.88	305.16	29.31	-76.51	-1,901.70	-6,778.04	3,107.24	2,914.39	192.85	16.112			
17,500.00	6,966.80	6,585.37	6,558.15	308.00	29.31	-76.52	-1,901.77	-6,778.04	3,191.85	3,001.67	190.18	16.784			
17,600.00	6,967.06	6,585.65	6,558.42	310.85	29.31	-76.52	-1,901.84	-6,778.04	3,277.32	3,089.71	187.61	17.469			
17,700.00	6,967.33	6,585.92	6,558.69	313.69	29.31	-76.53	-1,901.90	-6,778.04	3,363.60	3,178.46	185.14	18.168			
17,800.00	6,967.59	6,586.20	6,558.96	316.53	29.31	-76.54	-1,901.97	-6,778.05	3,450.62	3,267.85	182.77	18.880			
17,900.00	6,967.86	6,586.48	6,559.23	319.37	29.31	-76.55	-1,902.04	-6,778.05	3,538.33	3,357.84	180.48	19.605			
18,000.00	6,968.13	6,586.75	6,559.49	322.21	29.32	-76.56	-1,902.11	-6,778.05	3,626.67	3,448.37	178.29	20.341			
18,100.00	6,968.39	6,587.03	6,559.76	325.05	29.32	-76.57	-1,902.17	-6,778.05	3,715.60	3,539.41	176.19	21.089			
18,200.00	6,968.66	6,587.30	6,560.03	327.90	29.32	-76.58	-1,902.24	-6,778.05	3,805.08	3,630.92	174.16	21.848			
18,300.00	6,968.92	6,587.58	6,560.29	330.74	29.32	-76.59	-1,902.31	-6,778.05	3,895.07	3,722.85	172.22	22.617			
18,400.00	6,969.19	6,587.85	6,560.56	333.58	29.32	-76.60	-1,902.37	-6,778.05	3,985.54	3,815.19	170.35	23.396			
18,500.00	6,969.46	6,588.12	6,560.82	336.43	29.32	-76.61	-1,902.44	-6,778.05	4,076.46	3,907.90	168.56	24.184			
18,600.00	6,969.72	6,588.40	6,561.09	339.27	29.32	-76.62	-1,902.51	-6,778.05	4,167.79	4,000.96	166.83	24.982			

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Falken 9-11 PAD - Harvesters Resources #15R-243(PR) - OH - OH		Offset Site Error:		0.00 ft	
Survey Program: 146-MWD														Offset Well Error:		3.28 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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				
18,704.56	6,970.00	6,588.68	6,561.37	342.24	29.32	-76.63	-1,902.58	-6,778.05	4,263.70	4,098.61	165.10	25.826					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.81	-2,152.77	-5,663.40	6,058.75					
100.00	100.00	85.00	85.00	3.28	3.29	-110.81	-2,152.77	-5,663.40	6,058.75	6,052.18	6.57	922.184		
200.00	200.00	185.00	185.00	3.34	3.31	-110.81	-2,152.77	-5,663.40	6,058.75	6,052.11	6.64	912.179		
300.00	299.98	284.98	284.98	3.44	3.34	149.18	-2,152.77	-5,663.40	6,060.25	6,053.47	6.78	893.668		
400.00	399.84	384.84	384.84	3.60	3.39	149.16	-2,152.77	-5,663.40	6,064.75	6,057.76	6.99	868.232		
500.00	499.45	484.45	484.45	3.80	3.45	149.12	-2,152.77	-5,663.40	6,072.24	6,064.98	7.25	837.519		
600.00	598.70	583.70	583.70	4.05	3.52	149.08	-2,152.77	-5,663.40	6,082.71	6,075.14	7.57	803.511		
700.00	697.47	682.47	682.47	4.33	3.61	149.01	-2,152.77	-5,663.40	6,096.17	6,088.23	7.94	767.891		
803.50	799.05	784.05	784.05	4.67	3.70	148.93	-2,152.77	-5,663.40	6,113.23	6,104.86	8.37	730.718		
900.00	893.41	878.41	878.41	5.02	3.80	149.02	-2,152.77	-5,663.40	6,130.62	6,121.83	8.80	696.925		
1,000.00	991.20	976.20	976.20	5.41	3.92	149.12	-2,152.77	-5,663.40	6,148.67	6,139.40	9.27	663.367		
1,100.00	1,088.99	1,073.99	1,073.99	5.81	4.04	149.22	-2,152.77	-5,663.40	6,166.73	6,156.96	9.77	631.355		
1,200.00	1,186.78	1,171.78	1,171.78	6.23	4.17	149.32	-2,152.77	-5,663.40	6,184.81	6,174.52	10.29	601.150		
1,300.00	1,284.57	1,269.57	1,269.57	6.67	4.30	149.42	-2,152.77	-5,663.40	6,202.90	6,192.07	10.83	572.857		
1,400.00	1,382.36	1,272.20	1,272.19	7.12	4.41	149.43	-2,152.27	-5,664.16	6,222.30	6,210.96	11.34	548.774		
1,500.00	1,480.15	1,300.00	1,299.98	7.57	4.49	149.46	-2,151.82	-5,664.87	6,242.39	6,230.56	11.83	527.571		
1,600.00	1,577.94	1,355.55	1,355.47	8.03	4.66	149.54	-2,150.48	-5,666.95	6,263.31	6,250.89	12.42	504.308		
1,700.00	1,675.73	1,400.00	1,399.84	8.50	4.80	149.60	-2,148.99	-5,669.27	6,285.14	6,272.16	12.98	484.227		
1,800.00	1,773.52	1,437.68	1,437.41	8.98	4.92	149.66	-2,147.44	-5,671.69	6,307.86	6,294.33	13.52	466.401		
1,900.00	1,871.31	1,500.00	1,499.45	9.45	5.13	149.76	-2,144.28	-5,676.60	6,331.55	6,317.39	14.16	447.129		
2,000.00	1,969.10	1,500.00	1,499.45	9.94	5.13	149.76	-2,144.28	-5,676.60	6,356.00	6,341.42	14.58	436.042		
2,100.00	2,066.88	1,576.19	1,575.11	10.42	5.40	149.90	-2,139.43	-5,684.15	6,381.35	6,366.07	15.28	417.732		
2,200.00	2,164.67	1,628.15	1,626.62	10.91	5.60	150.00	-2,135.76	-5,689.87	6,407.40	6,391.50	15.89	403.129		
2,300.00	2,262.46	1,722.57	1,720.23	11.40	5.96	150.18	-2,129.07	-5,700.27	6,433.65	6,416.96	16.69	385.483		
2,400.00	2,360.25	1,816.99	1,813.84	11.89	6.35	150.36	-2,122.39	-5,710.67	6,459.96	6,442.45	17.50	369.085		
2,500.00	2,458.04	1,911.41	1,907.45	12.39	6.74	150.54	-2,115.71	-5,721.08	6,486.33	6,468.00	18.33	353.898		
2,600.00	2,555.83	2,005.84	2,001.06	12.88	7.15	150.71	-2,109.02	-5,731.48	6,512.76	6,493.59	19.16	339.830		
2,700.00	2,653.62	2,100.26	2,094.67	13.38	7.57	150.89	-2,102.34	-5,741.88	6,539.25	6,519.24	20.01	326.793		
2,800.00	2,751.41	2,194.68	2,188.27	13.88	7.99	151.06	-2,095.66	-5,752.28	6,565.80	6,544.93	20.86	314.697		
2,900.00	2,849.20	2,289.10	2,281.88	14.38	8.42	151.23	-2,088.97	-5,762.68	6,592.40	6,570.68	21.72	303.463		
3,000.00	2,946.99	2,383.52	2,375.49	14.88	8.86	151.40	-2,082.29	-5,773.08	6,619.07	6,596.48	22.59	293.015		
3,100.00	3,044.78	2,477.95	2,469.10	15.38	9.30	151.57	-2,075.61	-5,783.49	6,645.79	6,622.33	23.46	283.282		
3,200.00	3,142.57	2,572.37	2,562.71	15.89	9.75	151.74	-2,068.92	-5,793.89	6,672.56	6,648.23	24.33	274.201		
3,300.00	3,240.36	2,666.79	2,656.32	16.39	10.20	151.91	-2,062.24	-5,804.29	6,699.39	6,674.18	25.21	265.714		
3,400.00	3,338.15	2,761.21	2,749.93	16.89	10.65	152.07	-2,055.55	-5,814.69	6,726.28	6,700.18	26.09	257.771		
3,500.00	3,435.93	2,855.63	2,843.54	17.40	11.11	152.24	-2,048.87	-5,825.09	6,753.21	6,726.24	26.98	250.323		
3,600.00	3,533.72	2,950.05	2,937.15	17.90	11.56	152.40	-2,042.19	-5,835.49	6,780.20	6,752.34	27.86	243.330		
3,700.00	3,631.51	3,044.48	3,030.75	18.41	12.02	152.56	-2,035.50	-5,845.90	6,807.25	6,778.49	28.75	236.753		
3,800.00	3,729.30	3,138.90	3,124.36	18.92	12.49	152.72	-2,028.82	-5,856.30	6,834.34	6,804.70	29.64	230.558		
3,900.00	3,827.09	3,233.32	3,217.97	19.42	12.95	152.88	-2,022.14	-5,866.70	6,861.49	6,830.95	30.53	224.714		
4,000.00	3,924.88	3,327.74	3,311.58	19.93	13.41	153.04	-2,015.45	-5,877.10	6,888.68	6,857.26	31.43	219.195		
4,100.00	4,022.67	3,422.16	3,405.19	20.44	13.88	153.19	-2,008.77	-5,887.50	6,915.93	6,883.61	32.32	213.973		
4,200.00	4,120.46	3,516.58	3,498.80	20.95	14.35	153.35	-2,002.09	-5,897.90	6,943.22	6,910.01	33.22	209.028		
4,300.00	4,218.25	3,611.01	3,592.41	21.46	14.82	153.50	-1,995.40	-5,908.31	6,970.57	6,936.46	34.11	204.338		
4,400.00	4,316.04	3,705.43	3,686.02	21.97	15.29	153.66	-1,988.72	-5,918.71	6,997.96	6,962.95	35.01	199.886		
4,500.00	4,413.83	3,800.15	3,779.62	22.48	15.76	153.81	-1,982.04	-5,929.11	7,025.40	6,989.49	35.91	195.645		
4,600.00	4,511.62	3,894.27	3,873.23	22.99	16.23	153.96	-1,975.35	-5,939.51	7,052.89	7,016.08	36.81	191.625		
4,700.00	4,609.41	3,988.69	3,966.84	23.50	16.70	154.11	-1,968.67	-5,949.91	7,080.42	7,042.71	37.70	187.787		
4,800.00	4,707.20	4,083.12	4,060.45	24.01	17.18	154.26	-1,961.99	-5,960.31	7,108.00	7,069.39	38.60	184.127		
4,900.00	4,804.98	4,177.54	4,154.06	24.52	17.65	154.41	-1,955.30	-5,970.72	7,135.62	7,096.12	39.50	180.633		
5,000.00	4,902.77	4,271.96	4,247.67	25.03	18.13	154.55	-1,948.62	-5,981.12	7,163.29	7,122.89	40.40	177.294		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,000.56	4,366.38	4,341.28	25.54	18.60	154.70	-1,941.94	-5,991.52	7,191.01	7,149.70	41.30	174.100		
5,200.00	5,098.35	4,460.80	4,434.89	26.05	19.08	154.84	-1,935.25	-6,001.92	7,218.76	7,176.56	42.20	171.043		
5,300.00	5,196.14	4,555.22	4,528.49	26.56	19.55	154.98	-1,928.57	-6,012.32	7,246.56	7,203.46	43.11	168.114		
5,400.00	5,293.93	4,649.65	4,622.10	27.07	20.03	155.13	-1,921.89	-6,022.72	7,274.41	7,230.40	44.01	165.304		
5,500.00	5,391.72	4,744.07	4,715.71	27.58	20.51	155.27	-1,915.20	-6,033.12	7,302.29	7,257.39	44.91	162.608		
5,600.00	5,489.51	4,838.49	4,809.32	28.09	20.98	155.41	-1,908.52	-6,043.53	7,330.22	7,284.41	45.81	160.019		
5,700.00	5,587.30	4,932.91	4,902.93	28.61	21.46	155.55	-1,901.84	-6,053.93	7,358.19	7,311.48	46.71	157.530		
5,800.00	5,685.09	5,027.33	4,996.54	29.12	21.94	155.68	-1,895.15	-6,064.33	7,386.20	7,338.59	47.61	155.136		
5,900.00	5,782.88	5,800.87	5,767.88	29.63	25.32	156.45	-1,872.66	-6,099.34	7,403.57	7,351.68	51.89	142.675		
6,000.00	5,880.67	5,898.66	5,865.67	30.14	25.70	156.51	-1,872.66	-6,099.34	7,422.81	7,370.06	52.75	140.706		
6,100.00	5,978.46	5,996.45	5,963.46	30.65	26.08	156.57	-1,872.66	-6,099.34	7,442.06	7,388.44	53.62	138.799		
6,200.00	6,076.25	6,094.23	6,061.25	31.17	26.46	156.64	-1,872.66	-6,099.34	7,461.32	7,406.84	54.48	136.951		
6,298.86	6,172.92	6,190.91	6,157.92	31.67	26.84	156.70	-1,872.66	-6,099.34	7,480.37	7,425.03	55.34	135.181		
6,300.00	6,174.03	6,192.02	6,159.03	31.68	26.85	156.62	-1,872.66	-6,099.34	7,480.59	7,425.24	55.35	135.161		
6,350.00	6,223.30	6,241.29	6,208.30	31.92	27.04	150.66	-1,872.66	-6,099.34	7,488.25	7,432.48	55.77	134.265		
6,400.00	6,273.06	6,291.05	6,258.06	32.13	27.23	129.35	-1,872.66	-6,099.34	7,492.11	7,435.92	56.19	133.343		
6,450.00	6,323.01	6,341.00	6,308.01	32.32	27.43	38.95	-1,872.66	-6,099.34	7,492.14	7,435.57	56.58	132.420		
6,500.00	6,372.84	6,390.83	6,357.84	32.48	27.63	6.63	-1,872.66	-6,099.34	7,488.35	7,431.41	56.94	131.502		
6,550.00	6,422.24	6,440.23	6,407.24	32.65	27.82	-1.27	-1,872.66	-6,099.34	7,480.75	7,423.46	57.29	130.570		
6,600.00	6,470.92	6,488.91	6,455.92	32.83	28.01	-4.81	-1,872.66	-6,099.34	7,469.39	7,411.77	57.62	129.622		
6,650.00	6,518.56	6,478.08	6,445.08	33.01	27.96	-6.93	-1,873.14	-6,099.34	7,454.68	7,397.02	57.66	129.277		
6,700.00	6,564.89	6,500.00	6,466.98	33.21	28.04	-8.49	-1,874.23	-6,099.34	7,436.52	7,378.68	57.84	128.566		
6,750.00	6,609.60	6,500.00	6,466.98	33.43	28.04	-9.78	-1,874.23	-6,099.34	7,415.04	7,357.13	57.91	128.046		
6,800.00	6,652.43	6,500.00	6,466.98	33.66	28.04	-10.98	-1,874.23	-6,099.34	7,390.45	7,332.48	57.96	127.503		
6,850.00	6,693.10	6,533.30	6,500.15	33.91	28.15	-12.24	-1,877.09	-6,099.34	7,362.63	7,304.49	58.14	126.643		
6,900.00	6,731.38	6,545.36	6,512.13	34.20	28.19	-13.57	-1,878.48	-6,099.34	7,331.99	7,273.77	58.22	125.940		
6,950.00	6,767.02	6,556.56	6,523.24	34.51	28.23	-15.06	-1,879.94	-6,099.34	7,298.61	7,240.32	58.29	125.216		
7,000.00	6,799.81	6,566.84	6,533.41	34.85	28.26	-16.80	-1,881.43	-6,099.34	7,262.67	7,204.32	58.35	124.471		
7,050.00	6,829.54	6,600.00	6,566.07	35.24	28.37	-19.02	-1,887.15	-6,099.34	7,224.49	7,165.99	58.50	123.498		
7,100.00	6,856.03	6,600.00	6,566.07	35.66	28.37	-21.56	-1,887.15	-6,099.34	7,183.96	7,125.45	58.51	122.778		
7,150.00	6,879.11	6,600.00	6,566.07	36.12	28.37	-24.78	-1,887.15	-6,099.34	7,141.55	7,083.03	58.52	122.027		
7,200.00	6,898.65	6,600.00	6,566.07	36.62	28.37	-28.97	-1,887.15	-6,099.34	7,097.48	7,038.94	58.54	121.245		
7,250.00	6,914.51	6,600.00	6,566.07	37.15	28.37	-34.56	-1,887.15	-6,099.34	7,051.99	6,993.43	58.56	120.430		
7,300.00	6,926.62	6,600.00	6,566.07	37.73	28.37	-42.20	-1,887.15	-6,099.34	7,005.33	6,946.75	58.58	119.585		
7,350.00	6,934.88	6,600.00	6,566.07	38.34	28.37	-52.77	-1,887.15	-6,099.34	6,957.79	6,899.18	58.61	118.708		
7,400.00	6,939.26	6,600.00	6,566.07	38.97	28.37	-67.02	-1,887.15	-6,099.34	6,909.63	6,850.97	58.66	117.801		
7,429.12	6,940.00	6,600.00	6,566.07	39.34	28.37	-76.91	-1,887.15	-6,099.34	6,881.40	6,822.72	58.69	117.259		
7,500.00	6,940.19	6,600.00	6,566.07	40.31	28.37	-76.91	-1,887.15	-6,099.34	6,812.65	6,753.88	58.77	115.926		
7,600.00	6,940.46	6,600.00	6,566.07	41.80	28.37	-76.91	-1,887.15	-6,099.34	6,715.72	6,656.82	58.90	114.018		
7,700.00	6,940.72	6,600.00	6,566.07	43.43	28.37	-76.91	-1,887.15	-6,099.34	6,618.88	6,559.83	59.06	112.074		
7,800.00	6,940.99	6,600.00	6,566.07	45.19	28.37	-76.91	-1,887.15	-6,099.34	6,522.14	6,462.90	59.24	110.096		
7,900.00	6,941.25	6,600.00	6,566.07	47.05	28.37	-76.91	-1,887.15	-6,099.34	6,425.50	6,366.05	59.45	108.082		
8,000.00	6,941.52	6,600.00	6,566.07	49.02	28.37	-76.91	-1,887.15	-6,099.34	6,328.96	6,269.27	59.69	106.035		
8,100.00	6,941.79	6,600.00	6,566.07	51.06	28.37	-76.91	-1,887.15	-6,099.34	6,232.53	6,172.58	59.96	103.952		
8,200.00	6,942.05	6,600.00	6,566.07	53.18	28.37	-76.91	-1,887.15	-6,099.34	6,136.22	6,075.96	60.26	101.837		
8,300.00	6,942.32	6,600.00	6,566.07	55.37	28.37	-76.91	-1,887.15	-6,099.34	6,040.02	5,979.43	60.59	99.688		
8,400.00	6,942.58	6,600.00	6,566.07	57.62	28.37	-76.91	-1,887.15	-6,099.34	5,943.95	5,882.99	60.96	97.508		
8,500.00	6,942.85	6,600.00	6,566.07	59.92	28.37	-76.91	-1,887.15	-6,099.34	5,848.02	5,786.65	61.37	95.297		
8,600.00	6,943.12	6,600.00	6,566.07	62.26	28.37	-76.91	-1,887.15	-6,099.34	5,752.22	5,690.40	61.81	93.058		
8,700.00	6,943.38	6,600.00	6,566.07	64.65	28.37	-76.91	-1,887.15	-6,099.34	5,656.56	5,594.26	62.30	90.792		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-323(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 1200-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,800.00	6,943.65	6,600.00	6,566.07	67.08	28.37	-76.91	-1,887.15	-6,099.34	5,561.06	5,498.23	62.84	88.501					
8,900.00	6,943.91	6,600.00	6,566.07	69.53	28.37	-76.91	-1,887.15	-6,099.34	5,465.72	5,402.31	63.42	86.188					
9,000.00	6,944.18	6,600.00	6,566.07	72.02	28.37	-76.91	-1,887.15	-6,099.34	5,370.55	5,306.51	64.05	83.855					
9,100.00	6,944.45	6,600.00	6,566.07	74.54	28.37	-76.91	-1,887.15	-6,099.34	5,275.56	5,210.83	64.73	81.505					
9,200.00	6,944.71	6,600.00	6,566.07	77.07	28.37	-76.91	-1,887.15	-6,099.34	5,180.76	5,115.30	65.46	79.142					
9,300.00	6,944.98	6,600.00	6,566.07	79.63	28.37	-76.91	-1,887.15	-6,099.34	5,086.15	5,019.90	66.25	76.768					
9,400.00	6,945.24	6,600.00	6,566.07	82.21	28.37	-76.91	-1,887.15	-6,099.34	4,991.76	4,924.66	67.10	74.388					
9,500.00	6,945.51	6,600.00	6,566.07	84.81	28.37	-76.91	-1,887.15	-6,099.34	4,897.59	4,829.57	68.02	72.004					
9,600.00	6,945.78	6,600.00	6,566.07	87.43	28.37	-76.91	-1,887.15	-6,099.34	4,803.65	4,734.66	69.00	69.621					
9,700.00	6,946.04	6,600.00	6,566.07	90.05	28.37	-76.91	-1,887.15	-6,099.34	4,709.97	4,639.92	70.05	67.242					
9,800.00	6,946.31	6,600.00	6,566.07	92.70	28.37	-76.91	-1,887.15	-6,099.34	4,616.55	4,545.38	71.16	64.871					
9,900.00	6,946.57	6,600.00	6,566.07	95.35	28.37	-76.91	-1,887.15	-6,099.34	4,523.41	4,451.05	72.36	62.513					
10,000.00	6,946.84	6,600.00	6,566.07	98.02	28.37	-76.91	-1,887.15	-6,099.34	4,430.57	4,356.93	73.63	60.170					
10,100.00	6,947.11	6,600.00	6,566.07	100.70	28.37	-76.91	-1,887.15	-6,099.34	4,338.05	4,263.06	74.99	57.847					
10,200.00	6,947.37	6,600.00	6,566.07	103.38	28.37	-76.91	-1,887.15	-6,099.34	4,245.86	4,169.43	76.44	55.549					
10,300.00	6,947.64	6,600.00	6,566.07	106.08	28.37	-76.91	-1,887.15	-6,099.34	4,154.04	4,076.07	77.97	53.277					
10,400.00	6,947.90	6,600.00	6,566.07	108.78	28.37	-76.91	-1,887.15	-6,099.34	4,062.61	3,983.00	79.60	51.036					
10,500.00	6,948.17	6,600.00	6,566.07	111.49	28.37	-76.91	-1,887.15	-6,099.34	3,971.58	3,890.25	81.33	48.831					
10,600.00	6,948.44	6,600.00	6,566.07	114.21	28.37	-76.91	-1,887.15	-6,099.34	3,881.00	3,797.83	83.17	46.662					
10,700.00	6,948.70	6,600.00	6,566.07	116.94	28.37	-76.91	-1,887.15	-6,099.34	3,790.90	3,705.78	85.12	44.535					
10,800.00	6,948.97	6,600.00	6,566.07	119.67	28.37	-76.91	-1,887.15	-6,099.34	3,701.30	3,614.11	87.19	42.452					
10,900.00	6,949.24	6,600.00	6,566.07	122.41	28.37	-76.91	-1,887.15	-6,099.34	3,612.25	3,522.87	89.38	40.416					
11,000.00	6,949.50	6,600.00	6,566.07	125.15	28.37	-76.91	-1,887.15	-6,099.34	3,523.78	3,432.08	91.70	38.429					
11,100.00	6,949.77	6,600.00	6,566.07	127.90	28.37	-76.91	-1,887.15	-6,099.34	3,435.95	3,341.80	94.15	36.494					
11,200.00	6,950.03	6,600.00	6,566.07	130.65	28.37	-76.91	-1,887.15	-6,099.34	3,348.80	3,252.05	96.75	34.613					
11,300.00	6,950.30	6,600.00	6,566.07	133.41	28.37	-76.91	-1,887.15	-6,099.34	3,262.39	3,162.88	99.50	32.788					
11,400.00	6,950.57	6,600.00	6,566.07	136.17	28.37	-76.91	-1,887.15	-6,099.34	3,176.77	3,074.36	102.41	31.020					
11,500.00	6,950.83	6,600.00	6,566.07	138.94	28.37	-76.91	-1,887.15	-6,099.34	3,092.02	2,986.53	105.49	29.312					
11,600.00	6,951.10	6,600.00	6,566.07	141.71	28.37	-76.91	-1,887.15	-6,099.34	3,008.20	2,899.47	108.74	27.665					
11,700.00	6,951.36	6,600.00	6,566.07	144.48	28.37	-76.91	-1,887.15	-6,099.34	2,925.41	2,813.23	112.17	26.079					
11,800.00	6,951.63	6,600.00	6,566.07	147.26	28.37	-76.91	-1,887.15	-6,099.34	2,843.71	2,727.91	115.80	24.557					
11,900.00	6,951.90	6,600.00	6,566.07	150.03	28.37	-76.91	-1,887.15	-6,099.34	2,763.23	2,643.60	119.63	23.098					
12,000.00	6,952.16	6,600.00	6,566.07	152.82	28.37	-76.91	-1,887.15	-6,099.34	2,684.05	2,560.38	123.67	21.704					
12,100.00	6,952.43	6,600.00	6,566.07	155.60	28.37	-76.91	-1,887.15	-6,099.34	2,606.31	2,478.39	127.92	20.375					
12,200.00	6,952.69	6,600.00	6,566.07	158.39	28.37	-76.91	-1,887.15	-6,099.34	2,530.13	2,397.74	132.39	19.111					
12,300.00	6,952.96	6,600.00	6,566.07	161.18	28.37	-76.91	-1,887.15	-6,099.34	2,455.66	2,318.57	137.09	17.913					
12,400.00	6,953.23	6,600.00	6,566.07	163.97	28.37	-76.91	-1,887.15	-6,099.34	2,383.06	2,241.04	142.02	16.780					
12,500.00	6,953.49	6,600.00	6,566.07	166.77	28.37	-76.91	-1,887.15	-6,099.34	2,312.50	2,165.34	147.17	15.713					
12,600.00	6,953.76	6,600.00	6,566.07	169.56	28.37	-76.91	-1,887.15	-6,099.34	2,244.19	2,091.65	152.54	14.712					
12,700.00	6,954.02	6,600.00	6,566.07	172.36	28.37	-76.91	-1,887.15	-6,099.34	2,178.32	2,020.20	158.13	13.776					
12,800.00	6,954.29	6,600.00	6,566.07	175.16	28.37	-76.91	-1,887.15	-6,099.34	2,115.14	1,951.23	163.91	12.904					
12,900.00	6,954.56	6,600.00	6,566.07	177.97	28.37	-76.91	-1,887.15	-6,099.34	2,054.88	1,885.01	169.87	12.097					
13,000.00	6,954.82	6,600.00	6,566.07	180.77	28.37	-76.91	-1,887.15	-6,099.34	1,997.80	1,821.84	175.97	11.353					
13,100.00	6,955.09	6,600.00	6,566.07	183.58	28.37	-76.91	-1,887.15	-6,099.34	1,944.20	1,762.04	182.17	10.673					
13,200.00	6,955.35	6,600.00	6,566.07	186.38	28.37	-76.91	-1,887.15	-6,099.34	1,894.37	1,705.95	188.42	10.054					
13,300.00	6,955.62	6,600.00	6,566.07	189.19	28.37	-76.91	-1,887.15	-6,099.34	1,848.61	1,653.95	194.65	9.497					
13,400.00	6,955.89	6,600.00	6,566.07	192.00	28.37	-76.91	-1,887.15	-6,099.34	1,807.22	1,606.42	200.80	9.000					
13,500.00	6,956.15	6,600.00	6,566.07	194.82	28.37	-76.91	-1,887.15	-6,099.34	1,770.53	1,563.75	206.78	8.562					
13,600.00	6,956.42	6,600.00	6,566.07	197.63	28.37	-76.91	-1,887.15	-6,099.34	1,738.82	1,526.32	212.49	8.183					
13,700.00	6,956.68	6,600.00	6,566.07	200.44	28.37	-76.91	-1,887.15	-6,099.34	1,712.36	1,494.51	217.85	7.860					
13,800.00	6,956.95	6,600.00	6,566.07	203.26	28.37	-76.91	-1,887.15	-6,099.34	1,691.42	1,468.66	222.75	7.593					

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
13,900.00	6,957.22	6,600.00	6,566.07	206.08	28.37	-76.91	-1,887.15	-6,099.34	1,676.19	1,449.07	227.11	7.380			
14,000.00	6,957.48	6,600.00	6,566.07	208.89	28.37	-76.91	-1,887.15	-6,099.34	1,666.83	1,435.98	230.85	7.220			
14,100.00	6,957.75	6,600.00	6,566.07	211.71	28.37	-76.91	-1,887.15	-6,099.34	1,663.44	1,429.53	233.90	7.112			
14,106.45	6,957.77	6,600.00	6,566.07	211.90	28.37	-76.91	-1,887.15	-6,099.34	1,663.43	1,429.35	234.08	7.106 CC, ES			
14,200.00	6,958.02	6,600.00	6,566.07	214.53	28.37	-76.91	-1,887.15	-6,099.34	1,666.05	1,429.82	236.23	7.053			
14,300.00	6,958.28	6,600.00	6,566.07	217.36	28.37	-76.91	-1,887.15	-6,099.34	1,674.65	1,436.83	237.82	7.042 SF			
14,400.00	6,958.55	6,600.00	6,566.07	220.18	28.37	-76.91	-1,887.15	-6,099.34	1,689.13	1,450.46	238.67	7.077			
14,500.00	6,958.81	6,600.00	6,566.07	223.00	28.37	-76.91	-1,887.15	-6,099.34	1,709.35	1,470.53	238.81	7.158			
14,600.00	6,959.08	6,600.00	6,566.07	225.83	28.37	-76.91	-1,887.15	-6,099.34	1,735.10	1,496.80	238.30	7.281			
14,700.00	6,959.35	6,600.00	6,566.07	228.65	28.37	-76.91	-1,887.15	-6,099.34	1,766.15	1,528.96	237.18	7.446			
14,800.00	6,959.61	6,600.00	6,566.07	231.48	28.37	-76.91	-1,887.15	-6,099.34	1,802.22	1,566.67	235.55	7.651			
14,900.00	6,959.88	6,600.00	6,566.07	234.30	28.37	-76.91	-1,887.15	-6,099.34	1,843.01	1,609.54	233.47	7.894			
15,000.00	6,960.14	6,600.00	6,566.07	237.13	28.37	-76.91	-1,887.15	-6,099.34	1,888.23	1,657.21	231.02	8.173			
15,100.00	6,960.41	6,600.00	6,566.07	239.96	28.37	-76.91	-1,887.15	-6,099.34	1,937.56	1,709.28	228.28	8.488			
15,200.00	6,960.68	6,600.00	6,566.07	242.79	28.37	-76.91	-1,887.15	-6,099.34	1,990.69	1,765.38	225.31	8.835			
15,300.00	6,960.94	6,600.00	6,566.07	245.62	28.37	-76.91	-1,887.15	-6,099.34	2,047.33	1,825.15	222.18	9.215			
15,400.00	6,961.21	6,600.00	6,566.07	248.45	28.37	-76.91	-1,887.15	-6,099.34	2,107.19	1,888.25	218.94	9.625			
15,500.00	6,961.47	6,600.00	6,566.07	251.28	28.37	-76.91	-1,887.15	-6,099.34	2,170.01	1,954.38	215.63	10.064			
15,600.00	6,961.74	6,600.00	6,566.07	254.11	28.37	-76.91	-1,887.15	-6,099.34	2,235.55	2,023.24	212.30	10.530			
15,700.00	6,962.01	6,600.00	6,566.07	256.94	28.37	-76.91	-1,887.15	-6,099.34	2,303.56	2,094.58	208.98	11.023			
15,800.00	6,962.27	6,600.00	6,566.07	259.77	28.37	-76.91	-1,887.15	-6,099.34	2,373.83	2,168.14	205.69	11.541			
15,900.00	6,962.54	6,600.00	6,566.07	262.61	28.37	-76.91	-1,887.15	-6,099.34	2,446.18	2,243.72	202.46	12.082			
16,000.00	6,962.80	6,600.00	6,566.07	265.44	28.37	-76.91	-1,887.15	-6,099.34	2,520.42	2,321.13	199.29	12.647			
16,100.00	6,963.07	6,600.00	6,566.07	268.28	28.37	-76.91	-1,887.15	-6,099.34	2,596.39	2,400.18	196.20	13.233			
16,200.00	6,963.34	6,600.00	6,566.07	271.11	28.37	-76.91	-1,887.15	-6,099.34	2,673.93	2,480.73	193.20	13.840			
16,300.00	6,963.60	6,600.00	6,566.07	273.95	28.37	-76.91	-1,887.15	-6,099.34	2,752.93	2,562.64	190.29	14.467			
16,400.00	6,963.87	6,600.00	6,566.07	276.78	28.37	-76.91	-1,887.15	-6,099.34	2,833.26	2,645.77	187.48	15.112			
16,500.00	6,964.13	6,600.00	6,566.07	279.62	28.37	-76.91	-1,887.15	-6,099.34	2,914.80	2,730.03	184.77	15.775			
16,600.00	6,964.40	6,600.00	6,566.07	282.46	28.37	-76.91	-1,887.15	-6,099.34	2,997.46	2,815.31	182.15	16.456			
16,700.00	6,964.67	6,600.00	6,566.07	285.29	28.37	-76.91	-1,887.15	-6,099.34	3,081.15	2,901.51	179.63	17.152			
16,800.00	6,964.93	6,600.00	6,566.07	288.13	28.37	-76.91	-1,887.15	-6,099.34	3,165.78	2,988.57	177.21	17.864			
16,900.00	6,965.20	6,600.00	6,566.07	290.97	28.37	-76.91	-1,887.15	-6,099.34	3,251.29	3,076.41	174.88	18.591			
17,000.00	6,965.46	6,600.00	6,566.07	293.81	28.37	-76.91	-1,887.15	-6,099.34	3,337.60	3,164.96	172.64	19.332			
17,100.00	6,965.73	6,600.00	6,566.07	296.65	28.37	-76.91	-1,887.15	-6,099.34	3,424.66	3,254.17	170.50	20.087			
17,200.00	6,966.00	6,600.00	6,566.07	299.49	28.37	-76.91	-1,887.15	-6,099.34	3,512.41	3,343.98	168.43	20.854			
17,300.00	6,966.26	6,600.00	6,566.07	302.32	28.37	-76.91	-1,887.15	-6,099.34	3,600.80	3,434.35	166.45	21.633			
17,400.00	6,966.53	6,600.00	6,566.07	305.16	28.37	-76.91	-1,887.15	-6,099.34	3,689.78	3,525.23	164.54	22.424			
17,500.00	6,966.80	6,600.00	6,566.07	308.00	28.37	-76.91	-1,887.15	-6,099.34	3,779.31	3,616.59	162.72	23.226			
17,600.00	6,967.06	6,600.00	6,566.07	310.85	28.37	-76.91	-1,887.15	-6,099.34	3,869.35	3,708.39	160.96	24.039			
17,700.00	6,967.33	6,600.00	6,566.07	313.69	28.37	-76.91	-1,887.15	-6,099.34	3,959.87	3,800.59	159.28	24.862			
17,800.00	6,967.59	6,600.00	6,566.07	316.53	28.37	-76.91	-1,887.15	-6,099.34	4,050.84	3,893.18	157.65	25.694			
17,900.00	6,967.86	6,600.00	6,566.07	319.37	28.37	-76.91	-1,887.15	-6,099.34	4,142.22	3,986.12	156.10	26.536			
18,000.00	6,968.13	6,600.00	6,566.07	322.21	28.37	-76.91	-1,887.15	-6,099.34	4,233.99	4,079.39	154.60	27.386			
18,100.00	6,968.39	6,600.00	6,566.07	325.05	28.37	-76.91	-1,887.15	-6,099.34	4,326.13	4,172.97	153.16	28.245			
18,200.00	6,968.66	6,600.00	6,566.07	327.90	28.37	-76.91	-1,887.15	-6,099.34	4,418.61	4,266.83	151.78	29.112			
18,300.00	6,968.92	6,600.00	6,566.07	330.74	28.37	-76.91	-1,887.15	-6,099.34	4,511.41	4,360.96	150.45	29.987			
18,400.00	6,969.19	6,600.00	6,566.07	333.58	28.37	-76.91	-1,887.15	-6,099.34	4,604.51	4,455.35	149.17	30.868			
18,500.00	6,969.46	6,600.00	6,566.07	336.43	28.37	-76.91	-1,887.15	-6,099.34	4,697.90	4,549.97	147.93	31.757			
18,600.00	6,969.72	6,600.00	6,566.07	339.27	28.37	-76.91	-1,887.15	-6,099.34	4,791.55	4,644.81	146.75	32.652			
18,704.56	6,970.00	6,600.00	6,566.07	342.24	28.37	-76.91	-1,887.15	-6,099.34	4,889.74	4,744.19	145.55	33.595			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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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Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-110.71	-2,152.76	-5,693.99	6,087.36					
100.00	100.00	85.00	85.00	3.28	3.29	-110.71	-2,152.76	-5,693.99	6,087.36	6,080.79	6.57	926.538		
200.00	200.00	185.00	185.00	3.34	3.31	-110.71	-2,152.76	-5,693.99	6,087.36	6,080.72	6.64	916.486		
300.00	299.98	284.98	284.98	3.44	3.34	149.28	-2,152.76	-5,693.99	6,088.86	6,082.08	6.78	897.887		
400.00	399.84	384.84	384.84	3.60	3.39	149.26	-2,152.76	-5,693.99	6,093.36	6,086.37	6.99	872.329		
500.00	499.45	484.45	484.45	3.80	3.45	149.23	-2,152.76	-5,693.99	6,100.86	6,093.60	7.25	841.468		
600.00	598.70	583.70	583.70	4.05	3.52	149.18	-2,152.76	-5,693.99	6,111.34	6,103.77	7.57	807.295		
700.00	697.47	682.47	682.47	4.33	3.61	149.11	-2,152.76	-5,693.99	6,124.82	6,116.88	7.94	771.503		
803.50	799.05	784.05	784.05	4.67	3.70	149.03	-2,152.76	-5,693.99	6,141.89	6,133.53	8.37	734.151		
900.00	893.41	878.41	878.41	5.02	3.80	149.13	-2,152.76	-5,693.99	6,159.30	6,150.51	8.80	700.197		
1,000.00	991.20	867.09	867.08	5.41	3.87	149.12	-2,152.48	-5,694.72	6,178.92	6,169.71	9.21	670.546		
1,100.00	1,088.99	900.00	899.98	5.81	3.94	149.16	-2,152.14	-5,695.62	6,199.20	6,189.54	9.67	641.406		
1,200.00	1,186.78	940.70	940.64	6.23	4.04	149.21	-2,151.53	-5,697.22	6,220.45	6,210.30	10.15	612.798		
1,300.00	1,284.57	1,000.00	999.84	6.67	4.20	149.29	-2,150.28	-5,700.51	6,242.77	6,232.07	10.70	583.348		
1,400.00	1,382.36	1,000.00	999.84	7.12	4.20	149.29	-2,150.28	-5,700.51	6,265.87	6,254.77	11.10	564.409		
1,500.00	1,480.15	1,049.26	1,048.94	7.57	4.34	149.36	-2,148.91	-5,704.12	6,289.95	6,278.31	11.65	539.999		
1,600.00	1,577.94	1,100.00	1,099.45	8.03	4.49	149.44	-2,147.18	-5,708.66	6,315.08	6,302.87	12.21	517.236		
1,700.00	1,675.73	1,100.00	1,099.45	8.50	4.49	149.44	-2,147.18	-5,708.66	6,341.13	6,328.52	12.62	502.542		
1,800.00	1,773.52	1,155.38	1,154.47	8.98	4.67	149.54	-2,144.93	-5,714.56	6,368.00	6,354.80	13.21	482.126		
1,900.00	1,871.31	1,200.00	1,198.70	9.45	4.82	149.62	-2,142.84	-5,720.05	6,395.91	6,382.15	13.77	464.500		
2,000.00	1,969.10	1,224.67	1,223.12	9.94	4.91	149.66	-2,141.58	-5,723.35	6,424.71	6,410.45	14.27	450.374		
2,100.00	2,066.88	1,287.18	1,284.89	10.42	5.14	149.78	-2,138.18	-5,732.29	6,454.36	6,439.45	14.90	433.078		
2,200.00	2,164.67	1,380.65	1,377.24	10.91	5.51	149.96	-2,133.06	-5,745.73	6,484.18	6,468.50	15.67	413.682		
2,300.00	2,262.46	1,474.11	1,469.59	11.40	5.90	150.13	-2,127.95	-5,759.17	6,514.05	6,497.59	16.47	395.616		
2,400.00	2,360.25	1,567.57	1,561.94	11.89	6.30	150.30	-2,122.83	-5,772.62	6,543.99	6,526.72	17.27	378.881		
2,500.00	2,458.04	1,661.04	1,654.30	12.39	6.72	150.47	-2,117.71	-5,786.06	6,573.98	6,555.89	18.09	363.386		
2,600.00	2,555.83	1,754.50	1,746.65	12.88	7.15	150.64	-2,112.60	-5,799.50	6,604.02	6,585.10	18.92	349.038		
2,700.00	2,653.62	1,847.97	1,839.00	13.38	7.59	150.81	-2,107.48	-5,812.94	6,634.12	6,614.36	19.76	335.746		
2,800.00	2,751.41	1,941.43	1,931.35	13.88	8.04	150.98	-2,102.36	-5,826.38	6,664.28	6,643.67	20.61	323.420		
2,900.00	2,849.20	2,034.89	2,023.70	14.38	8.50	151.15	-2,097.24	-5,839.82	6,694.48	6,673.02	21.46	311.976		
3,000.00	2,946.99	2,128.36	2,116.05	14.88	8.96	151.31	-2,092.13	-5,853.26	6,724.74	6,702.42	22.32	301.335		
3,100.00	3,044.78	2,221.82	2,208.40	15.38	9.43	151.47	-2,087.01	-5,866.71	6,755.05	6,731.87	23.18	291.426		
3,200.00	3,142.57	2,315.29	2,300.75	15.89	9.90	151.63	-2,081.89	-5,880.15	6,785.41	6,761.37	24.05	282.183		
3,300.00	3,240.36	2,408.75	2,393.10	16.39	10.37	151.79	-2,076.77	-5,893.59	6,815.82	6,790.91	24.92	273.548		
3,400.00	3,338.15	2,502.22	2,485.45	16.89	10.85	151.95	-2,071.66	-5,907.03	6,846.29	6,820.50	25.79	265.466		
3,500.00	3,435.93	2,604.32	2,577.80	17.40	11.37	152.11	-2,066.54	-5,920.47	6,876.80	6,850.09	26.71	257.508		
3,600.00	3,533.72	2,689.14	2,670.16	17.90	11.81	152.27	-2,061.42	-5,933.91	6,907.36	6,879.81	27.54	250.780		
3,700.00	3,631.51	2,782.61	2,762.51	18.41	12.29	152.42	-2,056.31	-5,947.35	6,937.96	6,909.54	28.42	244.093		
3,800.00	3,729.30	2,876.07	2,854.86	18.92	12.78	152.57	-2,051.19	-5,960.79	6,968.62	6,939.31	29.31	237.795		
3,900.00	3,827.09	2,969.54	2,947.21	19.42	13.26	152.72	-2,046.07	-5,974.24	6,999.31	6,969.13	30.19	231.856		
4,000.00	3,924.88	3,063.00	3,039.56	19.93	13.75	152.88	-2,040.95	-5,987.68	7,030.06	6,998.99	31.07	226.246		
4,100.00	4,022.67	3,156.46	3,131.91	20.44	14.24	153.02	-2,035.84	-6,001.12	7,060.85	7,028.89	31.96	220.941		
4,200.00	4,120.46	3,249.93	3,224.26	20.95	14.74	153.17	-2,030.72	-6,014.56	7,091.69	7,058.84	32.84	215.916		
4,300.00	4,218.25	3,343.39	3,316.61	21.46	15.23	153.32	-2,025.60	-6,028.00	7,122.57	7,088.83	33.73	211.152		
4,400.00	4,316.04	3,436.86	3,408.96	21.97	15.72	153.47	-2,020.49	-6,041.44	7,153.49	7,118.87	34.62	206.629		
4,500.00	4,413.83	3,530.32	3,501.31	22.48	16.22	153.61	-2,015.37	-6,054.88	7,184.45	7,148.95	35.51	202.329		
4,600.00	4,511.62	3,623.79	3,593.67	22.99	16.71	153.75	-2,010.25	-6,068.33	7,215.46	7,179.06	36.40	198.238		
4,700.00	4,609.41	3,717.25	3,686.02	23.50	17.21	153.90	-2,005.13	-6,081.77	7,246.51	7,209.22	37.29	194.340		
4,800.00	4,707.20	3,810.71	3,778.37	24.01	17.70	154.04	-2,000.02	-6,095.21	7,277.60	7,239.43	38.18	190.623		
4,900.00	4,804.98	3,904.18	3,870.72	24.52	18.20	154.18	-1,994.90	-6,108.65	7,308.74	7,269.67	39.07	187.074		
5,000.00	4,902.77	3,997.64	3,963.07	25.03	18.70	154.31	-1,989.78	-6,122.09	7,339.91	7,299.95	39.96	183.684		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH		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	5,000.56	4,108.89	4,055.42	25.54	19.29	154.45	-1,984.66	-6,135.53	7,371.12	7,330.18	40.94	180.069				
5,200.00	5,098.35	4,184.57	4,147.77	26.05	19.70	154.59	-1,979.55	-6,148.97	7,402.37	7,360.63	41.74	177.336				
5,300.00	5,196.14	4,278.04	4,240.12	26.56	20.20	154.72	-1,974.43	-6,162.42	7,433.66	7,391.03	42.63	174.362				
5,400.00	5,293.93	4,371.50	4,332.47	27.07	20.70	154.86	-1,969.31	-6,175.86	7,464.99	7,421.46	43.53	171.509				
5,500.00	5,391.72	4,464.96	4,424.82	27.58	21.20	154.99	-1,964.20	-6,189.30	7,496.35	7,451.94	44.42	168.772				
5,600.00	5,489.51	4,558.43	4,517.17	28.09	21.70	155.12	-1,959.08	-6,202.74	7,527.76	7,482.45	45.31	166.142				
5,700.00	5,587.30	4,651.89	4,609.53	28.61	22.20	155.25	-1,953.96	-6,216.18	7,559.20	7,513.00	46.20	163.615				
5,800.00	5,685.09	4,745.36	4,701.88	29.12	22.70	155.38	-1,948.84	-6,229.62	7,590.67	7,543.58	47.09	161.184				
5,900.00	5,782.88	4,838.82	4,794.23	29.63	23.20	155.51	-1,943.73	-6,243.06	7,622.19	7,574.20	47.99	158.844				
6,000.00	5,880.67	4,932.28	4,886.58	30.14	23.70	155.64	-1,938.61	-6,256.51	7,653.73	7,604.86	48.88	156.590				
6,100.00	5,978.46	5,025.75	4,978.93	30.65	24.21	155.77	-1,933.49	-6,269.95	7,685.32	7,635.55	49.77	154.417				
6,200.00	6,076.25	5,119.21	5,071.28	31.17	24.71	155.89	-1,928.37	-6,283.39	7,716.93	7,666.27	50.66	152.322				
6,298.86	6,172.92	5,211.61	5,162.58	31.67	25.21	156.02	-1,923.32	-6,296.68	7,748.22	7,696.68	51.54	150.323				
6,300.00	6,174.03	5,212.68	5,163.63	31.68	25.21	155.94	-1,923.26	-6,296.83	7,748.58	7,697.03	51.55	150.300				
6,350.00	6,223.30	5,260.06	5,210.45	31.92	25.47	150.15	-1,920.66	-6,303.64	7,762.51	7,710.52	52.00	149.291				
6,400.00	6,273.06	5,308.50	5,258.31	32.13	25.73	129.01	-1,918.01	-6,310.61	7,772.74	7,720.31	52.43	148.250				
6,450.00	6,323.01	5,357.68	5,306.91	32.32	25.99	38.78	-1,915.32	-6,317.68	7,779.20	7,726.35	52.85	147.204				
6,500.00	6,372.84	5,407.31	5,355.95	32.48	26.26	6.61	-1,912.60	-6,324.82	7,781.85	7,728.61	53.24	146.161				
6,550.00	6,422.24	5,457.08	5,405.13	32.65	26.53	-1.13	-1,909.88	-6,331.98	7,780.68	7,727.06	53.62	145.098				
6,600.00	6,470.92	5,506.69	5,454.14	32.83	26.79	-4.50	-1,907.16	-6,339.11	7,775.69	7,721.69	53.99	144.016				
6,650.00	6,518.56	5,555.82	5,502.69	33.01	27.06	-6.46	-1,904.47	-6,346.18	7,766.90	7,712.56	54.35	142.918				
6,700.00	6,564.89	5,604.18	5,550.47	33.21	27.32	-7.84	-1,901.82	-6,353.13	7,754.38	7,699.70	54.68	141.809				
6,750.00	6,609.60	5,653.84	5,624.64	33.43	31.80	-9.20	-1,873.27	-6,429.95	7,736.75	7,676.96	59.79	129.401				
6,800.00	6,652.43	6,600.00	6,540.78	33.66	31.86	-10.41	-1,874.12	-6,429.95	7,711.72	7,651.80	59.92	128.701				
6,850.00	6,693.10	6,600.00	6,540.78	33.91	31.86	-11.60	-1,874.12	-6,429.95	7,683.66	7,623.69	59.97	128.122				
6,900.00	6,731.38	6,600.00	6,540.78	34.20	31.86	-12.87	-1,874.12	-6,429.95	7,652.74	7,592.73	60.01	127.519				
6,950.00	6,767.02	6,633.69	6,574.34	34.51	31.96	-14.38	-1,877.01	-6,429.95	7,618.91	7,558.74	60.17	126.624				
7,000.00	6,799.81	6,644.04	6,584.62	34.85	31.99	-16.09	-1,878.19	-6,429.95	7,582.62	7,522.39	60.23	125.886				
7,050.00	6,829.54	6,653.40	6,593.91	35.24	32.02	-18.15	-1,879.38	-6,429.95	7,543.98	7,483.69	60.29	125.128				
7,100.00	6,856.03	6,661.72	6,602.15	35.66	32.04	-20.69	-1,880.53	-6,429.95	7,503.20	7,442.86	60.34	124.349				
7,150.00	6,879.11	6,700.00	6,639.88	36.12	32.16	-24.19	-1,886.99	-6,429.95	7,460.72	7,400.22	60.50	123.310				
7,200.00	6,898.65	6,700.00	6,639.88	36.62	32.16	-28.45	-1,886.99	-6,429.95	7,416.30	7,355.78	60.52	122.538				
7,250.00	6,914.51	6,700.00	6,639.88	37.15	32.16	-34.21	-1,886.99	-6,429.95	7,370.49	7,309.95	60.54	121.737				
7,300.00	6,926.62	6,700.00	6,639.88	37.73	32.16	-42.21	-1,886.99	-6,429.95	7,323.56	7,262.99	60.57	120.908				
7,350.00	6,934.88	6,700.00	6,639.88	38.34	32.16	-53.45	-1,886.99	-6,429.95	7,275.77	7,215.16	60.60	120.052				
7,400.00	6,939.26	6,700.00	6,639.88	38.97	32.16	-68.76	-1,886.99	-6,429.95	7,227.40	7,166.75	60.65	119.170				
7,429.12	6,940.00	6,700.00	6,639.88	39.34	32.16	-79.37	-1,886.99	-6,429.95	7,199.08	7,138.40	60.68	118.644				
7,500.00	6,940.19	6,700.00	6,639.88	40.31	32.16	-79.37	-1,886.99	-6,429.95	7,130.10	7,069.34	60.76	117.352				
7,600.00	6,940.46	6,700.00	6,639.88	41.80	32.16	-79.37	-1,886.99	-6,429.95	7,032.84	6,971.95	60.89	115.502				
7,700.00	6,940.72	6,700.00	6,639.88	43.43	32.16	-79.37	-1,886.99	-6,429.95	6,935.66	6,874.62	61.04	113.622				
7,800.00	6,940.99	6,700.00	6,639.88	45.19	32.16	-79.37	-1,886.99	-6,429.95	6,838.57	6,777.35	61.22	111.711				
7,900.00	6,941.25	6,700.00	6,639.88	47.05	32.16	-79.37	-1,886.99	-6,429.95	6,741.55	6,680.14	61.42	109.768				
8,000.00	6,941.52	6,700.00	6,639.88	49.02	32.16	-79.37	-1,886.99	-6,429.95	6,644.63	6,582.99	61.64	107.795				
8,100.00	6,941.79	6,700.00	6,639.88	51.06	32.16	-79.37	-1,886.99	-6,429.95	6,547.80	6,485.90	61.89	105.790				
8,200.00	6,942.05	6,700.00	6,639.88	53.18	32.16	-79.37	-1,886.99	-6,429.95	6,451.06	6,388.89	62.18	103.756				
8,300.00	6,942.32	6,700.00	6,639.88	55.37	32.16	-79.37	-1,886.99	-6,429.95	6,354.43	6,291.94	62.49	101.691				
8,400.00	6,942.58	6,700.00	6,639.88	57.62	32.16	-79.37	-1,886.99	-6,429.95	6,257.90	6,195.07	62.83	99.598				
8,500.00	6,942.85	6,700.00	6,639.88	59.92	32.16	-79.37	-1,886.99	-6,429.95	6,161.48	6,098.27	63.21	97.477				
8,600.00	6,943.12	6,700.00	6,639.88	62.26	32.16	-79.37	-1,886.99	-6,429.95	6,065.18	6,001.55	63.62	95.329				
8,700.00	6,943.38	6,700.00	6,639.88	64.65	32.16	-79.37	-1,886.99	-6,429.95	5,969.00	5,904.92	64.08	93.156				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	6,943.65	6,700.00	6,639.88	67.08	32.16	-79.37	-1,886.99	-6,429.95	5,872.94	5,808.38	64.57	90.960		
8,900.00	6,943.91	6,700.00	6,639.88	69.53	32.16	-79.37	-1,886.99	-6,429.95	5,777.03	5,711.93	65.10	88.742		
9,000.00	6,944.18	6,700.00	6,639.88	72.02	32.16	-79.37	-1,886.99	-6,429.95	5,681.25	5,615.57	65.68	86.505		
9,100.00	6,944.45	6,700.00	6,639.88	74.54	32.16	-79.37	-1,886.99	-6,429.95	5,585.62	5,519.32	66.30	84.250		
9,200.00	6,944.71	6,700.00	6,639.88	77.07	32.16	-79.37	-1,886.99	-6,429.95	5,490.14	5,423.17	66.97	81.980		
9,300.00	6,944.98	6,700.00	6,639.88	79.63	32.16	-79.37	-1,886.99	-6,429.95	5,394.83	5,327.14	67.69	79.699		
9,400.00	6,945.24	6,700.00	6,639.88	82.21	32.16	-79.37	-1,886.99	-6,429.95	5,299.70	5,231.23	68.46	77.408		
9,500.00	6,945.51	6,700.00	6,639.88	84.81	32.16	-79.37	-1,886.99	-6,429.95	5,204.74	5,135.45	69.29	75.111		
9,600.00	6,945.78	6,700.00	6,639.88	87.43	32.16	-79.37	-1,886.99	-6,429.95	5,109.98	5,039.80	70.18	72.810		
9,700.00	6,946.04	6,700.00	6,639.88	90.05	32.16	-79.37	-1,886.99	-6,429.95	5,015.42	4,944.29	71.13	70.510		
9,800.00	6,946.31	6,700.00	6,639.88	92.70	32.16	-79.37	-1,886.99	-6,429.95	4,921.07	4,848.93	72.14	68.213		
9,900.00	6,946.57	6,700.00	6,639.88	95.35	32.16	-79.37	-1,886.99	-6,429.95	4,826.96	4,753.73	73.22	65.922		
10,000.00	6,946.84	6,700.00	6,639.88	98.02	32.16	-79.37	-1,886.99	-6,429.95	4,733.08	4,658.71	74.37	63.641		
10,100.00	6,947.11	6,700.00	6,639.88	100.70	32.16	-79.37	-1,886.99	-6,429.95	4,639.46	4,563.87	75.59	61.373		
10,200.00	6,947.37	6,700.00	6,639.88	103.38	32.16	-79.37	-1,886.99	-6,429.95	4,546.12	4,469.22	76.89	59.122		
10,300.00	6,947.64	6,700.00	6,639.88	106.08	32.16	-79.37	-1,886.99	-6,429.95	4,453.06	4,374.78	78.27	56.891		
10,400.00	6,947.90	6,700.00	6,639.88	108.78	32.16	-79.37	-1,886.99	-6,429.95	4,360.31	4,280.57	79.74	54.683		
10,500.00	6,948.17	6,700.00	6,639.88	111.49	32.16	-79.37	-1,886.99	-6,429.95	4,267.88	4,186.59	81.29	52.501		
10,600.00	6,948.44	6,700.00	6,639.88	114.21	32.16	-79.37	-1,886.99	-6,429.95	4,175.81	4,092.87	82.94	50.348		
10,700.00	6,948.70	6,700.00	6,639.88	116.94	32.16	-79.37	-1,886.99	-6,429.95	4,084.10	3,999.42	84.68	48.228		
10,800.00	6,948.97	6,700.00	6,639.88	119.67	32.16	-79.37	-1,886.99	-6,429.95	3,992.80	3,906.27	86.53	46.143		
10,900.00	6,949.24	6,700.00	6,639.88	122.41	32.16	-79.37	-1,886.99	-6,429.95	3,901.92	3,813.44	88.49	44.097		
11,000.00	6,949.50	6,700.00	6,639.88	125.15	32.16	-79.37	-1,886.99	-6,429.95	3,811.50	3,720.95	90.56	42.090		
11,100.00	6,949.77	6,700.00	6,639.88	127.90	32.16	-79.37	-1,886.99	-6,429.95	3,721.57	3,628.83	92.75	40.127		
11,200.00	6,950.03	6,700.00	6,639.88	130.65	32.16	-79.37	-1,886.99	-6,429.95	3,632.17	3,537.11	95.06	38.209		
11,300.00	6,950.30	6,700.00	6,639.88	133.41	32.16	-79.37	-1,886.99	-6,429.95	3,543.33	3,445.82	97.51	36.338		
11,400.00	6,950.57	6,700.00	6,639.88	136.17	32.16	-79.37	-1,886.99	-6,429.95	3,455.11	3,355.00	100.10	34.516		
11,500.00	6,950.83	6,700.00	6,639.88	138.94	32.16	-79.37	-1,886.99	-6,429.95	3,367.54	3,264.70	102.84	32.746		
11,600.00	6,951.10	6,700.00	6,639.88	141.71	32.16	-79.37	-1,886.99	-6,429.95	3,280.68	3,174.95	105.73	31.028		
11,700.00	6,951.36	6,700.00	6,639.88	144.48	32.16	-79.37	-1,886.99	-6,429.95	3,194.59	3,085.80	108.79	29.365		
11,800.00	6,951.63	6,700.00	6,639.88	147.26	32.16	-79.37	-1,886.99	-6,429.95	3,109.33	2,997.31	112.02	27.757		
11,900.00	6,951.90	6,700.00	6,639.88	150.03	32.16	-79.37	-1,886.99	-6,429.95	3,024.98	2,909.55	115.43	26.205		
12,000.00	6,952.16	6,700.00	6,639.88	152.82	32.16	-79.37	-1,886.99	-6,429.95	2,941.61	2,822.57	119.04	24.712		
12,100.00	6,952.43	6,700.00	6,639.88	155.60	32.16	-79.37	-1,886.99	-6,429.95	2,859.30	2,736.46	122.84	23.277		
12,200.00	6,952.69	6,700.00	6,639.88	158.39	32.16	-79.37	-1,886.99	-6,429.95	2,778.15	2,651.30	126.85	21.901		
12,300.00	6,952.96	6,700.00	6,639.88	161.18	32.16	-79.37	-1,886.99	-6,429.95	2,698.28	2,567.19	131.08	20.585		
12,400.00	6,953.23	6,700.00	6,639.88	163.97	32.16	-79.37	-1,886.99	-6,429.95	2,619.78	2,484.24	135.54	19.329		
12,500.00	6,953.49	6,700.00	6,639.88	166.77	32.16	-79.37	-1,886.99	-6,429.95	2,542.79	2,402.57	140.23	18.134		
12,600.00	6,953.76	6,700.00	6,639.88	169.56	32.16	-79.37	-1,886.99	-6,429.95	2,467.46	2,322.31	145.15	16.999		
12,700.00	6,954.02	6,700.00	6,639.88	172.36	32.16	-79.37	-1,886.99	-6,429.95	2,393.93	2,243.61	150.32	15.926		
12,800.00	6,954.29	6,700.00	6,639.88	175.16	32.16	-79.37	-1,886.99	-6,429.95	2,322.38	2,166.65	155.72	14.913		
12,900.00	6,954.56	6,700.00	6,639.88	177.97	32.16	-79.37	-1,886.99	-6,429.95	2,253.00	2,091.63	161.37	13.962		
13,000.00	6,954.82	6,700.00	6,639.88	180.77	32.16	-79.37	-1,886.99	-6,429.95	2,185.99	2,018.75	167.24	13.071		
13,100.00	6,955.09	6,700.00	6,639.88	183.58	32.16	-79.37	-1,886.99	-6,429.95	2,121.58	1,948.25	173.33	12.240		
13,200.00	6,955.35	6,700.00	6,639.88	186.38	32.16	-79.37	-1,886.99	-6,429.95	2,060.01	1,880.40	179.60	11.470		
13,300.00	6,955.62	6,700.00	6,639.88	189.19	32.16	-79.37	-1,886.99	-6,429.95	2,001.55	1,815.50	186.04	10.758		
13,400.00	6,955.89	6,700.00	6,639.88	192.00	32.16	-79.37	-1,886.99	-6,429.95	1,946.47	1,753.87	192.60	10.106		
13,500.00	6,956.15	6,700.00	6,639.88	194.82	32.16	-79.37	-1,886.99	-6,429.95	1,895.07	1,695.84	199.22	9.512		
13,600.00	6,956.42	6,700.00	6,639.88	197.63	32.16	-79.37	-1,886.99	-6,429.95	1,847.66	1,641.81	205.85	8.976		
13,700.00	6,956.68	6,700.00	6,639.88	200.44	32.16	-79.37	-1,886.99	-6,429.95	1,804.54	1,592.15	212.39	8.496		
13,800.00	6,956.95	6,700.00	6,639.88	203.26	32.16	-79.37	-1,886.99	-6,429.95	1,766.05	1,547.27	218.78	8.072		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
13,900.00	6,957.22	6,700.00	6,639.88	206.08	32.16	-79.37	-1,886.99	-6,429.95	1,732.48	1,507.58	224.89	7.704			
14,000.00	6,957.48	6,700.00	6,639.88	208.89	32.16	-79.37	-1,886.99	-6,429.95	1,704.12	1,473.48	230.64	7.389			
14,100.00	6,957.75	6,700.00	6,639.88	211.71	32.16	-79.37	-1,886.99	-6,429.95	1,681.24	1,445.32	235.92	7.126			
14,200.00	6,958.02	6,700.00	6,639.88	214.53	32.16	-79.37	-1,886.99	-6,429.95	1,664.07	1,423.45	240.62	6.916			
14,300.00	6,958.28	6,700.00	6,639.88	217.36	32.16	-79.37	-1,886.99	-6,429.95	1,652.78	1,408.12	244.66	6.755			
14,400.00	6,958.55	6,700.00	6,639.88	220.18	32.16	-79.37	-1,886.99	-6,429.95	1,647.49	1,399.53	247.96	6.644			
14,437.26	6,958.65	6,700.00	6,639.88	221.23	32.16	-79.37	-1,886.99	-6,429.95	1,647.07	1,398.08	248.99	6.615 CC			
14,500.00	6,958.81	6,700.00	6,639.88	223.00	32.16	-79.37	-1,886.99	-6,429.95	1,648.26	1,397.79	250.47	6.581 ES			
14,600.00	6,959.08	6,700.00	6,639.88	225.83	32.16	-79.37	-1,886.99	-6,429.95	1,655.09	1,402.92	252.17	6.563 SF			
14,700.00	6,959.35	6,700.00	6,639.88	228.65	32.16	-79.37	-1,886.99	-6,429.95	1,667.89	1,414.83	253.06	6.591			
14,800.00	6,959.61	6,700.00	6,639.88	231.48	32.16	-79.37	-1,886.99	-6,429.95	1,686.54	1,433.36	253.18	6.662			
14,900.00	6,959.88	6,700.00	6,639.88	234.30	32.16	-79.37	-1,886.99	-6,429.95	1,710.84	1,458.28	252.56	6.774			
15,000.00	6,960.14	6,700.00	6,639.88	237.13	32.16	-79.37	-1,886.99	-6,429.95	1,740.55	1,489.27	251.28	6.927			
15,100.00	6,960.41	6,700.00	6,639.88	239.96	32.16	-79.37	-1,886.99	-6,429.95	1,775.41	1,525.98	249.42	7.118			
15,200.00	6,960.68	6,700.00	6,639.88	242.79	32.16	-79.37	-1,886.99	-6,429.95	1,815.11	1,568.04	247.07	7.347			
15,300.00	6,960.94	6,700.00	6,639.88	245.62	32.16	-79.37	-1,886.99	-6,429.95	1,859.35	1,615.04	244.30	7.611			
15,400.00	6,961.21	6,700.00	6,639.88	248.45	32.16	-79.37	-1,886.99	-6,429.95	1,907.80	1,666.58	241.22	7.909			
15,500.00	6,961.47	6,700.00	6,639.88	251.28	32.16	-79.37	-1,886.99	-6,429.95	1,960.17	1,722.28	237.89	8.240			
15,600.00	6,961.74	6,700.00	6,639.88	254.11	32.16	-79.37	-1,886.99	-6,429.95	2,016.14	1,781.76	234.38	8.602			
15,700.00	6,962.01	6,700.00	6,639.88	256.94	32.16	-79.37	-1,886.99	-6,429.95	2,075.42	1,844.66	230.75	8.994			
15,800.00	6,962.27	6,700.00	6,639.88	259.77	32.16	-79.37	-1,886.99	-6,429.95	2,137.73	1,910.67	227.07	9.415			
15,900.00	6,962.54	6,700.00	6,639.88	262.61	32.16	-79.37	-1,886.99	-6,429.95	2,202.83	1,979.47	223.36	9.862			
16,000.00	6,962.80	6,700.00	6,639.88	265.44	32.16	-79.37	-1,886.99	-6,429.95	2,270.46	2,050.80	219.67	10.336			
16,100.00	6,963.07	6,700.00	6,639.88	268.28	32.16	-79.37	-1,886.99	-6,429.95	2,340.42	2,124.40	216.02	10.834			
16,200.00	6,963.34	6,700.00	6,639.88	271.11	32.16	-79.37	-1,886.99	-6,429.95	2,412.49	2,200.06	212.43	11.356			
16,300.00	6,963.60	6,700.00	6,639.88	273.95	32.16	-79.37	-1,886.99	-6,429.95	2,486.49	2,277.56	208.93	11.901			
16,400.00	6,963.87	6,700.00	6,639.88	276.78	32.16	-79.37	-1,886.99	-6,429.95	2,562.27	2,356.74	205.52	12.467			
16,500.00	6,964.13	6,700.00	6,639.88	279.62	32.16	-79.37	-1,886.99	-6,429.95	2,639.65	2,437.43	202.22	13.054			
16,600.00	6,964.40	6,700.00	6,639.88	282.46	32.16	-79.37	-1,886.99	-6,429.95	2,718.51	2,519.49	199.02	13.660			
16,700.00	6,964.67	6,700.00	6,639.88	285.29	32.16	-79.37	-1,886.99	-6,429.95	2,798.72	2,602.79	195.93	14.284			
16,800.00	6,964.93	6,700.00	6,639.88	288.13	32.16	-79.37	-1,886.99	-6,429.95	2,880.17	2,687.22	192.95	14.927			
16,900.00	6,965.20	6,700.00	6,639.88	290.97	32.16	-79.37	-1,886.99	-6,429.95	2,962.76	2,772.67	190.09	15.586			
17,000.00	6,965.46	6,700.00	6,639.88	293.81	32.16	-79.37	-1,886.99	-6,429.95	3,046.39	2,859.06	187.33	16.262			
17,100.00	6,965.73	6,700.00	6,639.88	296.65	32.16	-79.37	-1,886.99	-6,429.95	3,130.98	2,946.29	184.69	16.953			
17,200.00	6,966.00	6,700.00	6,639.88	299.49	32.16	-79.37	-1,886.99	-6,429.95	3,216.46	3,034.31	182.15	17.658			
17,300.00	6,966.26	6,700.00	6,639.88	302.32	32.16	-79.37	-1,886.99	-6,429.95	3,302.75	3,123.04	179.71	18.378			
17,400.00	6,966.53	6,700.00	6,639.88	305.16	32.16	-79.37	-1,886.99	-6,429.95	3,389.79	3,212.42	177.37	19.111			
17,500.00	6,966.80	6,700.00	6,639.88	308.00	32.16	-79.37	-1,886.99	-6,429.95	3,477.53	3,302.41	175.13	19.857			
17,600.00	6,967.06	6,700.00	6,639.88	310.85	32.16	-79.37	-1,886.99	-6,429.95	3,565.92	3,392.95	172.98	20.615			
17,700.00	6,967.33	6,700.00	6,639.88	313.69	32.16	-79.37	-1,886.99	-6,429.95	3,654.91	3,484.00	170.91	21.385			
17,800.00	6,967.59	6,700.00	6,639.88	316.53	32.16	-79.37	-1,886.99	-6,429.95	3,744.45	3,575.52	168.93	22.166			
17,900.00	6,967.86	6,700.00	6,639.88	319.37	32.16	-79.37	-1,886.99	-6,429.95	3,834.51	3,667.48	167.03	22.957			
18,000.00	6,968.13	6,700.00	6,639.88	322.21	32.16	-79.37	-1,886.99	-6,429.95	3,925.05	3,759.84	165.21	23.758			
18,100.00	6,968.39	6,700.00	6,639.88	325.05	32.16	-79.37	-1,886.99	-6,429.95	4,016.04	3,852.58	163.46	24.570			
18,200.00	6,968.66	6,700.00	6,639.88	327.90	32.16	-79.37	-1,886.99	-6,429.95	4,107.44	3,945.67	161.77	25.390			
18,300.00	6,968.92	6,700.00	6,639.88	330.74	32.16	-79.37	-1,886.99	-6,429.95	4,199.24	4,039.08	160.16	26.219			
18,400.00	6,969.19	6,700.00	6,639.88	333.58	32.16	-79.37	-1,886.99	-6,429.95	4,291.41	4,132.80	158.61	27.057			
18,500.00	6,969.46	6,700.00	6,639.88	336.43	32.16	-79.37	-1,886.99	-6,429.95	4,383.92	4,226.80	157.12	27.902			
18,600.00	6,969.72	6,700.00	6,639.88	339.27	32.16	-79.37	-1,886.99	-6,429.95	4,476.75	4,321.07	155.68	28.755			
18,704.56	6,970.00	6,700.00	6,639.88	342.24	32.16	-79.37	-1,886.99	-6,429.95	4,574.14	4,419.89	154.24	29.655			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-111.02	-2,152.78	-5,602.21	6,001.60					
100.00	100.00	85.00	85.00	3.28	3.29	-111.02	-2,152.78	-5,602.21	6,001.60	5,995.03	6.57	913.485		
200.00	200.00	185.00	185.00	3.34	3.31	-111.02	-2,152.78	-5,602.21	6,001.60	5,994.96	6.64	903.574		
300.00	299.98	284.98	284.98	3.44	3.34	148.97	-2,152.78	-5,602.21	6,003.10	5,996.32	6.78	885.240		
400.00	399.84	384.84	384.84	3.60	3.39	148.95	-2,152.78	-5,602.21	6,007.58	6,000.60	6.99	860.049		
500.00	499.45	484.45	484.45	3.80	3.45	148.92	-2,152.78	-5,602.21	6,015.06	6,007.81	7.25	829.634		
600.00	598.70	583.70	583.70	4.05	3.52	148.87	-2,152.78	-5,602.21	6,025.51	6,017.94	7.57	795.954		
700.00	697.47	682.47	682.47	4.33	3.61	148.81	-2,152.78	-5,602.21	6,038.94	6,031.00	7.94	760.679		
803.50	799.05	784.05	784.05	4.67	3.70	148.72	-2,152.78	-5,602.21	6,055.96	6,047.60	8.37	723.864		
900.00	893.41	878.41	878.41	5.02	3.80	148.82	-2,152.78	-5,602.21	6,073.32	6,064.52	8.80	690.395		
1,000.00	991.20	1,609.48	1,608.85	5.41	5.00	149.59	-2,145.78	-5,592.76	6,112.85	6,102.48	10.37	589.504		
1,100.00	1,088.99	1,708.25	1,707.04	5.81	5.34	149.72	-2,139.46	-5,584.21	6,120.67	6,109.58	11.08	552.314		
1,200.00	1,186.78	1,807.02	1,805.24	6.23	5.70	149.85	-2,133.13	-5,575.67	6,128.51	6,116.69	11.82	518.324		
1,300.00	1,284.57	1,905.79	1,903.44	6.67	6.08	149.97	-2,126.80	-5,567.12	6,136.39	6,123.80	12.59	487.344		
1,400.00	1,382.36	2,004.56	2,001.63	7.12	6.47	150.10	-2,120.48	-5,558.58	6,144.30	6,130.92	13.38	459.209		
1,500.00	1,480.15	2,103.33	2,099.83	7.57	6.88	150.22	-2,114.15	-5,550.04	6,152.23	6,138.05	14.19	433.674		
1,600.00	1,577.94	2,202.10	2,198.02	8.03	7.29	150.35	-2,107.83	-5,541.49	6,160.20	6,145.19	15.01	410.487		
1,700.00	1,675.73	2,300.87	2,296.22	8.50	7.71	150.47	-2,101.50	-5,532.95	6,168.20	6,152.36	15.84	389.403		
1,800.00	1,773.52	2,399.64	2,394.42	8.98	8.14	150.59	-2,095.17	-5,524.40	6,176.22	6,159.54	16.68	370.195		
1,900.00	1,871.31	2,501.59	2,492.61	9.45	8.59	150.72	-2,088.85	-5,515.86	6,184.28	6,166.73	17.55	352.396		
2,000.00	1,969.10	2,602.82	2,590.81	9.94	9.04	150.84	-2,082.52	-5,507.32	6,192.36	6,173.94	18.42	336.181		
2,100.00	2,066.88	2,704.05	2,689.01	10.42	9.50	150.96	-2,076.20	-5,498.77	6,200.47	6,181.17	19.30	321.317		
2,200.00	2,164.67	2,805.28	2,787.20	10.91	9.95	151.09	-2,069.87	-5,490.23	6,208.61	6,188.43	20.18	307.658		
2,300.00	2,262.46	2,906.51	2,885.40	11.40	10.42	151.21	-2,063.54	-5,481.68	6,216.78	6,195.71	21.07	295.074		
2,400.00	2,360.25	3,007.74	2,983.59	11.89	10.88	151.33	-2,057.22	-5,473.14	6,224.98	6,203.02	21.96	283.451		
2,500.00	2,458.04	3,108.97	3,081.79	12.39	11.35	151.45	-2,050.89	-5,464.60	6,233.20	6,210.35	22.86	272.690		
2,600.00	2,555.83	3,189.80	3,179.99	12.88	11.72	151.57	-2,044.57	-5,456.05	6,241.46	6,217.79	23.67	263.676		
2,700.00	2,653.62	3,288.57	3,278.18	13.38	12.18	151.69	-2,038.24	-5,447.51	6,249.74	6,225.18	24.56	254.433		
2,800.00	2,751.41	3,387.34	3,376.38	13.88	12.64	151.82	-2,031.91	-5,438.96	6,258.05	6,232.59	25.46	245.812		
2,900.00	2,849.20	3,486.11	3,474.58	14.38	13.11	151.94	-2,025.59	-5,430.42	6,266.39	6,240.04	26.36	237.757		
3,000.00	2,946.99	3,584.88	3,572.77	14.88	13.57	152.06	-2,019.26	-5,421.87	6,274.76	6,247.50	27.26	230.214		
3,100.00	3,044.78	3,683.65	3,670.97	15.38	14.04	152.18	-2,012.93	-5,413.33	6,283.15	6,255.00	28.16	223.139		
3,200.00	3,142.57	3,782.42	3,769.16	15.89	14.50	152.29	-2,006.61	-5,404.79	6,291.58	6,262.51	29.06	216.490		
3,300.00	3,240.36	3,881.19	3,867.36	16.39	14.97	152.41	-2,000.28	-5,396.24	6,300.03	6,270.06	29.97	210.232		
3,400.00	3,338.15	3,979.96	3,965.56	16.89	15.44	152.53	-1,993.96	-5,387.70	6,308.50	6,277.63	30.87	204.333		
3,500.00	3,435.93	4,078.73	4,063.75	17.40	15.91	152.65	-1,987.63	-5,379.15	6,317.01	6,285.23	31.78	198.762		
3,600.00	3,533.72	4,177.50	4,161.95	17.90	16.38	152.77	-1,981.30	-5,370.61	6,325.54	6,292.85	32.69	193.494		
3,700.00	3,631.51	4,276.27	4,260.15	18.41	16.85	152.89	-1,974.98	-5,362.07	6,334.10	6,300.50	33.60	188.506		
3,800.00	3,729.30	4,375.04	4,358.34	18.92	17.32	153.00	-1,968.65	-5,353.52	6,342.68	6,308.17	34.51	183.777		
3,900.00	3,827.09	4,473.81	4,456.54	19.42	17.79	153.12	-1,962.33	-5,344.98	6,351.30	6,315.87	35.43	179.287		
4,000.00	3,924.88	4,572.58	4,554.73	19.93	18.26	153.24	-1,956.00	-5,336.43	6,359.94	6,323.60	36.34	175.019		
4,100.00	4,022.67	4,671.35	4,652.93	20.44	18.74	153.36	-1,949.67	-5,327.89	6,368.60	6,331.35	37.25	170.957		
4,200.00	4,120.46	4,770.12	4,751.13	20.95	19.21	153.47	-1,943.35	-5,319.35	6,377.30	6,339.13	38.17	167.087		
4,300.00	4,218.25	4,868.89	4,849.32	21.46	19.68	153.59	-1,937.02	-5,310.80	6,386.01	6,346.93	39.08	163.396		
4,400.00	4,316.04	4,967.66	4,947.52	21.97	20.16	153.70	-1,930.70	-5,302.26	6,394.76	6,354.76	40.00	159.873		
4,500.00	4,413.83	5,066.43	5,045.71	22.48	20.63	153.82	-1,924.37	-5,293.71	6,403.53	6,362.62	40.92	156.505		
4,600.00	4,511.62	5,165.20	5,143.91	22.99	21.11	153.93	-1,918.04	-5,285.17	6,412.33	6,370.50	41.83	153.284		
4,700.00	4,609.41	5,263.97	5,242.11	23.50	21.58	154.05	-1,911.72	-5,276.62	6,421.15	6,378.40	42.75	150.200		
4,800.00	4,707.20	5,362.74	5,340.30	24.01	22.06	154.16	-1,905.39	-5,268.08	6,430.00	6,386.34	43.67	147.244		
4,900.00	4,804.98	5,461.51	5,438.50	24.52	22.53	154.28	-1,899.07	-5,259.54	6,438.88	6,394.29	44.59	144.409		
5,000.00	4,902.77	5,560.28	5,536.70	25.03	23.01	154.39	-1,892.74	-5,250.99	6,447.78	6,402.27	45.51	141.688		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,000.56	5,659.05	5,634.89	25.54	23.49	154.50	-1,886.41	-5,242.45	6,456.71	6,410.28	46.43	139.074		
5,200.00	5,098.35	5,716.15	5,691.66	26.05	23.76	154.57	-1,882.76	-5,237.51	6,465.80	6,418.64	47.15	137.128		
5,300.00	5,196.14	5,761.33	5,736.61	26.56	23.97	154.62	-1,880.08	-5,233.89	6,475.67	6,427.86	47.82	135.428		
5,400.00	5,293.93	5,800.00	5,775.14	27.07	24.16	154.66	-1,878.11	-5,231.24	6,486.65	6,438.20	48.45	133.893		
5,500.00	5,391.72	5,800.00	5,775.14	27.58	24.16	154.66	-1,878.11	-5,231.24	6,498.78	6,449.90	48.88	132.948		
5,600.00	5,489.51	5,856.36	5,831.37	28.09	24.41	154.72	-1,875.81	-5,228.13	6,511.67	6,462.09	49.58	131.328		
5,700.00	5,587.30	5,900.00	5,874.95	28.61	24.60	154.76	-1,874.48	-5,226.33	6,525.78	6,475.56	50.22	129.947		
5,800.00	5,685.09	5,900.00	5,874.95	29.12	24.60	154.76	-1,874.48	-5,226.33	6,540.92	6,490.29	50.63	129.195		
5,900.00	5,782.88	5,950.85	5,925.77	29.63	24.81	154.81	-1,873.43	-5,224.91	6,556.94	6,505.66	51.29	127.853		
6,000.00	5,880.67	6,000.00	5,974.91	30.14	25.02	154.85	-1,872.92	-5,224.22	6,574.14	6,522.21	51.93	126.598		
6,100.00	5,978.46	6,013.44	5,988.35	30.65	25.07	154.86	-1,872.87	-5,224.15	6,592.20	6,539.82	52.38	125.848		
6,200.00	6,076.25	6,086.34	6,061.25	31.17	25.36	154.92	-1,872.85	-5,224.13	6,611.14	6,558.00	53.13	124.422		
6,298.86	6,172.92	6,183.01	6,157.92	31.67	25.75	154.99	-1,872.85	-5,224.13	6,629.94	6,575.93	54.01	122.763		
6,300.00	6,174.03	6,184.13	6,159.03	31.68	25.75	154.91	-1,872.85	-5,224.13	6,630.15	6,576.14	54.02	122.744		
6,350.00	6,223.30	6,233.39	6,208.30	31.92	25.95	148.97	-1,872.85	-5,224.13	6,637.71	6,583.26	54.45	121.905		
6,400.00	6,273.06	6,283.15	6,258.06	32.13	26.15	127.68	-1,872.85	-5,224.13	6,641.49	6,586.61	54.87	121.036		
6,450.00	6,323.01	6,333.10	6,308.01	32.32	26.35	37.28	-1,872.85	-5,224.13	6,641.46	6,586.19	55.27	120.163		
6,500.00	6,372.84	6,382.93	6,357.84	32.48	26.55	4.95	-1,872.85	-5,224.13	6,637.64	6,582.00	55.64	119.291		
6,550.00	6,422.24	6,385.28	6,360.19	32.65	26.55	-2.97	-1,873.16	-5,224.13	6,630.28	6,574.53	55.75	118.936		
6,600.00	6,470.92	6,400.00	6,374.90	32.83	26.61	-6.53	-1,873.72	-5,224.13	6,619.41	6,563.51	55.90	118.411		
6,650.00	6,518.56	6,400.00	6,374.90	33.01	26.61	-8.68	-1,873.72	-5,224.13	6,605.18	6,549.21	55.97	118.018		
6,700.00	6,564.89	6,400.00	6,374.90	33.21	26.61	-10.25	-1,873.72	-5,224.13	6,587.69	6,531.67	56.02	117.599		
6,750.00	6,609.60	6,444.43	6,419.19	33.43	26.75	-11.65	-1,877.13	-5,224.13	6,566.55	6,510.28	56.27	116.691		
6,800.00	6,652.43	6,457.89	6,432.56	33.66	26.80	-12.94	-1,878.67	-5,224.13	6,542.48	6,486.11	56.37	116.070		
6,850.00	6,693.10	6,500.00	6,474.19	33.91	26.94	-14.35	-1,885.01	-5,224.14	6,515.59	6,458.99	56.59	115.131		
6,900.00	6,731.38	6,500.00	6,474.19	34.20	26.94	-15.74	-1,885.01	-5,224.14	6,485.47	6,428.86	56.60	114.577		
6,950.00	6,767.02	6,500.00	6,474.19	34.51	26.94	-17.30	-1,885.01	-5,224.14	6,452.70	6,396.09	56.61	113.990		
7,000.00	6,799.81	6,500.00	6,474.19	34.85	26.94	-19.11	-1,885.01	-5,224.14	6,417.44	6,360.83	56.61	113.368		
7,050.00	6,829.54	6,500.00	6,474.19	35.24	26.94	-21.26	-1,885.01	-5,224.14	6,379.87	6,323.26	56.60	112.711		
7,100.00	6,856.03	6,500.00	6,474.19	35.66	26.94	-23.88	-1,885.01	-5,224.14	6,340.18	6,283.58	56.60	112.015		
7,150.00	6,879.11	6,500.00	6,474.19	36.12	26.94	-27.15	-1,885.01	-5,224.14	6,298.58	6,241.98	56.60	111.282		
7,200.00	6,898.65	6,534.32	6,507.81	36.62	27.04	-31.74	-1,891.86	-5,224.14	6,254.98	6,198.21	56.78	110.171		
7,250.00	6,914.51	6,539.17	6,512.54	37.15	27.05	-37.34	-1,892.95	-5,224.14	6,210.14	6,153.33	56.81	109.309		
7,300.00	6,926.62	6,542.87	6,516.14	37.73	27.06	-44.73	-1,893.80	-5,224.14	6,164.11	6,107.25	56.85	108.419		
7,350.00	6,934.88	6,545.40	6,518.60	38.34	27.07	-54.51	-1,894.39	-5,224.14	6,117.14	6,060.24	56.90	107.503		
7,400.00	6,939.26	6,546.74	6,519.90	38.97	27.07	-67.06	-1,894.71	-5,224.14	6,069.52	6,012.56	56.96	106.563		
7,429.12	6,940.00	6,546.98	6,520.13	39.34	27.07	-75.55	-1,894.77	-5,224.14	6,041.60	5,984.60	56.99	106.004		
7,500.00	6,940.19	6,547.05	6,520.20	40.31	27.07	-75.55	-1,894.79	-5,224.14	5,973.56	5,916.47	57.09	104.631		
7,600.00	6,940.46	6,547.16	6,520.31	41.80	27.07	-75.56	-1,894.81	-5,224.14	5,877.69	5,820.43	57.25	102.660		
7,700.00	6,940.72	6,547.27	6,520.42	43.43	27.07	-75.56	-1,894.84	-5,224.14	5,781.95	5,724.51	57.45	100.647		
7,800.00	6,940.99	6,547.38	6,520.52	45.19	27.07	-75.56	-1,894.86	-5,224.14	5,686.37	5,628.69	57.68	98.592		
7,900.00	6,941.25	6,547.49	6,520.63	47.05	27.07	-75.57	-1,894.89	-5,224.14	5,590.93	5,532.99	57.94	96.496		
8,000.00	6,941.52	6,547.60	6,520.73	49.02	27.07	-75.57	-1,894.92	-5,224.14	5,495.66	5,437.42	58.24	94.359		
8,100.00	6,941.79	6,547.71	6,520.84	51.06	27.07	-75.58	-1,894.94	-5,224.14	5,400.56	5,341.97	58.59	92.183		
8,200.00	6,942.05	6,547.82	6,520.94	53.18	27.08	-75.58	-1,894.97	-5,224.14	5,305.64	5,246.67	58.97	89.967		
8,300.00	6,942.32	6,547.93	6,521.05	55.37	27.08	-75.58	-1,894.99	-5,224.14	5,210.91	5,151.50	59.41	87.715		
8,400.00	6,942.58	6,548.03	6,521.16	57.62	27.08	-75.59	-1,895.02	-5,224.14	5,116.38	5,056.49	59.89	85.428		
8,500.00	6,942.85	6,548.14	6,521.26	59.92	27.08	-75.59	-1,895.05	-5,224.14	5,022.06	4,961.64	60.43	83.109		
8,600.00	6,943.12	6,548.25	6,521.37	62.26	27.08	-75.59	-1,895.07	-5,224.14	4,927.97	4,866.95	61.02	80.761		
8,700.00	6,943.38	6,548.36	6,521.47	64.65	27.08	-75.60	-1,895.10	-5,224.14	4,834.11	4,772.44	61.67	78.387		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	6,943.65	6,548.47	6,521.58	67.08	27.08	-75.60	-1,895.12	-5,224.14	4,740.51	4,678.13	62.38	75.991		
8,900.00	6,943.91	6,548.58	6,521.69	69.53	27.08	-75.60	-1,895.15	-5,224.14	4,647.17	4,584.01	63.16	73.577		
9,000.00	6,944.18	6,548.69	6,521.79	72.02	27.08	-75.61	-1,895.18	-5,224.14	4,554.11	4,490.10	64.01	71.149		
9,100.00	6,944.45	6,548.80	6,521.90	74.54	27.08	-75.61	-1,895.20	-5,224.14	4,461.36	4,396.43	64.93	68.712		
9,200.00	6,944.71	6,548.91	6,522.00	77.07	27.08	-75.62	-1,895.23	-5,224.14	4,368.92	4,303.00	65.92	66.271		
9,300.00	6,944.98	6,549.02	6,522.11	79.63	27.08	-75.62	-1,895.26	-5,224.14	4,276.83	4,209.82	67.00	63.832		
9,400.00	6,945.24	6,549.13	6,522.22	82.21	27.08	-75.62	-1,895.28	-5,224.14	4,185.09	4,116.93	68.16	61.398		
9,500.00	6,945.51	6,549.24	6,522.32	84.81	27.08	-75.63	-1,895.31	-5,224.14	4,093.75	4,024.34	69.41	58.976		
9,600.00	6,945.78	6,549.35	6,522.43	87.43	27.08	-75.63	-1,895.33	-5,224.14	4,002.82	3,932.06	70.76	56.571		
9,700.00	6,946.04	6,549.46	6,522.54	90.05	27.08	-75.63	-1,895.36	-5,224.14	3,912.33	3,840.13	72.20	54.188		
9,800.00	6,946.31	6,549.56	6,522.64	92.70	27.08	-75.64	-1,895.39	-5,224.14	3,822.31	3,748.57	73.74	51.833		
9,900.00	6,946.57	6,549.67	6,522.75	95.35	27.08	-75.64	-1,895.41	-5,224.14	3,732.81	3,657.41	75.40	49.509		
10,000.00	6,946.84	6,549.78	6,522.85	98.02	27.08	-75.65	-1,895.44	-5,224.14	3,643.84	3,566.68	77.16	47.222		
10,100.00	6,947.11	6,549.89	6,522.96	100.70	27.08	-75.65	-1,895.47	-5,224.14	3,555.47	3,476.42	79.05	44.977		
10,200.00	6,947.37	6,550.00	6,523.07	103.38	27.08	-75.65	-1,895.49	-5,224.14	3,467.73	3,386.66	81.06	42.778		
10,300.00	6,947.64	6,550.11	6,523.17	106.08	27.08	-75.66	-1,895.52	-5,224.14	3,380.67	3,297.46	83.21	40.630		
10,400.00	6,947.90	6,550.22	6,523.28	108.78	27.08	-75.66	-1,895.55	-5,224.14	3,294.34	3,208.85	85.49	38.535		
10,500.00	6,948.17	6,550.33	6,523.39	111.49	27.08	-75.66	-1,895.57	-5,224.14	3,208.80	3,120.89	87.92	36.497		
10,600.00	6,948.44	6,550.44	6,523.49	114.21	27.08	-75.67	-1,895.60	-5,224.14	3,124.13	3,033.63	90.50	34.520		
10,700.00	6,948.70	6,550.55	6,523.60	116.94	27.08	-75.67	-1,895.63	-5,224.14	3,040.39	2,947.14	93.25	32.606		
10,800.00	6,948.97	6,550.66	6,523.71	119.67	27.08	-75.68	-1,895.65	-5,224.14	2,957.65	2,861.50	96.16	30.759		
10,900.00	6,949.24	6,550.77	6,523.81	122.41	27.08	-75.68	-1,895.68	-5,224.14	2,876.02	2,776.77	99.24	28.979		
11,000.00	6,949.50	6,550.88	6,523.92	125.15	27.08	-75.68	-1,895.71	-5,224.14	2,795.58	2,693.06	102.52	27.270		
11,100.00	6,949.77	6,550.99	6,524.03	127.90	27.08	-75.69	-1,895.73	-5,224.14	2,716.43	2,610.46	105.98	25.632		
11,200.00	6,950.03	6,551.10	6,524.13	130.65	27.08	-75.69	-1,895.76	-5,224.14	2,638.71	2,529.07	109.64	24.067		
11,300.00	6,950.30	6,551.21	6,524.24	133.41	27.08	-75.69	-1,895.79	-5,224.14	2,562.53	2,449.02	113.51	22.576		
11,400.00	6,950.57	6,551.32	6,524.35	136.17	27.09	-75.70	-1,895.81	-5,224.14	2,488.03	2,370.45	117.58	21.160		
11,500.00	6,950.83	6,551.43	6,524.45	138.94	27.09	-75.70	-1,895.84	-5,224.14	2,415.38	2,293.51	121.87	19.820		
11,600.00	6,951.10	6,551.54	6,524.56	141.71	27.09	-75.71	-1,895.87	-5,224.14	2,344.75	2,218.38	126.37	18.555		
11,700.00	6,951.36	6,551.65	6,524.67	144.48	27.09	-75.71	-1,895.89	-5,224.14	2,276.31	2,145.23	131.08	17.365		
11,800.00	6,951.63	6,551.76	6,524.77	147.26	27.09	-75.71	-1,895.92	-5,224.14	2,210.29	2,074.28	136.00	16.252		
11,900.00	6,951.90	6,551.87	6,524.88	150.03	27.09	-75.72	-1,895.95	-5,224.14	2,146.89	2,005.77	141.12	15.213		
12,000.00	6,952.16	6,551.98	6,524.99	152.82	27.09	-75.72	-1,895.97	-5,224.14	2,086.36	1,939.95	146.41	14.250		
12,100.00	6,952.43	6,552.09	6,525.09	155.60	27.09	-75.72	-1,896.00	-5,224.14	2,028.95	1,877.09	151.86	13.360		
12,200.00	6,952.69	6,552.20	6,525.20	158.39	27.09	-75.73	-1,896.03	-5,224.14	1,974.95	1,817.51	157.44	12.544		
12,300.00	6,952.96	6,552.31	6,525.31	161.18	27.09	-75.73	-1,896.05	-5,224.14	1,924.62	1,761.53	163.10	11.801		
12,400.00	6,953.23	6,552.42	6,525.41	163.97	27.09	-75.74	-1,896.08	-5,224.14	1,878.28	1,709.49	168.79	11.128		
12,500.00	6,953.49	6,552.53	6,525.52	166.77	27.09	-75.74	-1,896.11	-5,224.14	1,836.22	1,661.77	174.45	10.525		
12,600.00	6,953.76	6,552.64	6,525.63	169.56	27.09	-75.74	-1,896.13	-5,224.14	1,798.74	1,618.71	180.03	9.992		
12,700.00	6,954.02	6,552.75	6,525.73	172.36	27.09	-75.75	-1,896.16	-5,224.14	1,766.13	1,580.71	185.43	9.525		
12,800.00	6,954.29	6,552.86	6,525.84	175.16	27.09	-75.75	-1,896.19	-5,224.14	1,738.68	1,548.10	190.57	9.123		
12,900.00	6,954.56	6,552.97	6,525.95	177.97	27.09	-75.75	-1,896.22	-5,224.14	1,716.61	1,521.23	195.38	8.786		
13,000.00	6,954.82	6,553.08	6,526.05	180.77	27.09	-75.76	-1,896.24	-5,224.14	1,700.15	1,500.39	199.77	8.511		
13,100.00	6,955.09	6,553.19	6,526.16	183.58	27.09	-75.76	-1,896.27	-5,224.14	1,689.46	1,485.80	203.66	8.296		
13,200.00	6,955.35	6,553.30	6,526.27	186.38	27.09	-75.77	-1,896.30	-5,224.14	1,684.65	1,477.66	206.99	8.139		
13,231.19	6,955.44	6,553.34	6,526.30	187.26	27.09	-75.77	-1,896.31	-5,224.14	1,684.36	1,476.45	207.91	8.101 CC		
13,300.00	6,955.62	6,553.41	6,526.38	189.19	27.09	-75.77	-1,896.32	-5,224.14	1,685.77	1,476.05	209.72	8.038 ES		
13,400.00	6,955.89	6,553.53	6,526.48	192.00	27.09	-75.77	-1,896.35	-5,224.14	1,692.80	1,480.99	211.81	7.992 SF		
13,500.00	6,956.15	6,553.64	6,526.59	194.82	27.09	-75.78	-1,896.38	-5,224.14	1,705.68	1,492.41	213.27	7.998		
13,600.00	6,956.42	6,553.75	6,526.70	197.63	27.09	-75.78	-1,896.41	-5,224.14	1,724.27	1,510.17	214.09	8.054		
13,700.00	6,956.68	6,553.86	6,526.80	200.44	27.09	-75.78	-1,896.43	-5,224.14	1,748.39	1,534.07	214.32	8.158		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
13,800.00	6,956.95	6,553.97	6,526.91	203.26	27.09	-75.79	-1,896.46	-5,224.14	1,777.81	1,563.82	213.99	8.308			
13,900.00	6,957.22	6,554.08	6,527.02	206.08	27.09	-75.79	-1,896.49	-5,224.14	1,812.29	1,599.12	213.17	8.502			
14,000.00	6,957.48	6,554.19	6,527.13	208.89	27.09	-75.80	-1,896.52	-5,224.14	1,851.53	1,639.62	211.91	8.737			
14,100.00	6,957.75	6,554.30	6,527.23	211.71	27.09	-75.80	-1,896.54	-5,224.14	1,895.23	1,684.96	210.28	9.013			
14,200.00	6,958.02	6,554.41	6,527.34	214.53	27.09	-75.80	-1,896.57	-5,224.14	1,943.11	1,734.77	208.34	9.327			
14,300.00	6,958.28	6,554.52	6,527.45	217.36	27.09	-75.81	-1,896.60	-5,224.14	1,994.85	1,788.70	206.15	9.677			
14,400.00	6,958.55	6,554.63	6,527.56	220.18	27.09	-75.81	-1,896.62	-5,224.14	2,050.17	1,846.39	203.78	10.061			
14,500.00	6,958.81	6,554.74	6,527.66	223.00	27.10	-75.81	-1,896.65	-5,224.14	2,108.78	1,907.52	201.26	10.478			
14,600.00	6,959.08	6,554.85	6,527.77	225.83	27.10	-75.82	-1,896.68	-5,224.14	2,170.42	1,971.77	198.65	10.926			
14,700.00	6,959.35	6,554.96	6,527.88	228.65	27.10	-75.82	-1,896.71	-5,224.14	2,234.83	2,038.86	195.98	11.404			
14,800.00	6,959.61	6,555.08	6,527.98	231.48	27.10	-75.83	-1,896.73	-5,224.14	2,301.79	2,108.51	193.28	11.909			
14,900.00	6,959.88	6,555.19	6,528.09	234.30	27.10	-75.83	-1,896.76	-5,224.14	2,371.08	2,180.50	190.58	12.441			
15,000.00	6,960.14	6,555.30	6,528.20	237.13	27.10	-75.83	-1,896.79	-5,224.14	2,442.49	2,254.59	187.90	12.999			
15,100.00	6,960.41	6,555.41	6,528.31	239.96	27.10	-75.84	-1,896.82	-5,224.14	2,515.85	2,330.60	185.26	13.580			
15,200.00	6,960.68	6,555.52	6,528.41	242.79	27.10	-75.84	-1,896.84	-5,224.14	2,591.00	2,408.34	182.66	14.185			
15,300.00	6,960.94	6,555.63	6,528.52	245.62	27.10	-75.84	-1,896.87	-5,224.14	2,667.78	2,487.65	180.13	14.811			
15,400.00	6,961.21	6,555.74	6,528.63	248.45	27.10	-75.85	-1,896.90	-5,224.14	2,746.05	2,568.40	177.66	15.457			
15,500.00	6,961.47	6,555.85	6,528.74	251.28	27.10	-75.85	-1,896.93	-5,224.14	2,825.70	2,650.44	175.26	16.123			
15,600.00	6,961.74	6,555.96	6,528.85	254.11	27.10	-75.86	-1,896.96	-5,224.14	2,906.60	2,733.67	172.93	16.808			
15,700.00	6,962.01	6,556.07	6,528.95	256.94	27.10	-75.86	-1,896.98	-5,224.14	2,988.66	2,817.97	170.69	17.510			
15,800.00	6,962.27	6,556.19	6,529.06	259.77	27.10	-75.86	-1,897.01	-5,224.14	3,071.78	2,903.27	168.51	18.229			
15,900.00	6,962.54	6,556.30	6,529.17	262.61	27.10	-75.87	-1,897.04	-5,224.14	3,155.89	2,989.47	166.42	18.963			
16,000.00	6,962.80	6,556.41	6,529.28	265.44	27.10	-75.87	-1,897.07	-5,224.14	3,240.89	3,076.49	164.40	19.713			
16,100.00	6,963.07	6,556.52	6,529.38	268.28	27.10	-75.87	-1,897.09	-5,224.14	3,326.73	3,164.27	162.46	20.478			
16,200.00	6,963.34	6,556.63	6,529.49	271.11	27.10	-75.88	-1,897.12	-5,224.14	3,413.34	3,252.75	160.59	21.256			
16,300.00	6,963.60	6,556.74	6,529.60	273.95	27.10	-75.88	-1,897.15	-5,224.14	3,500.66	3,341.88	158.78	22.047			
16,400.00	6,963.87	6,556.85	6,529.71	276.78	27.10	-75.89	-1,897.18	-5,224.14	3,588.65	3,431.60	157.05	22.850			
16,500.00	6,964.13	6,556.96	6,529.81	279.62	27.10	-75.89	-1,897.21	-5,224.14	3,677.25	3,521.86	155.39	23.665			
16,600.00	6,964.40	6,557.08	6,529.92	282.46	27.10	-75.89	-1,897.23	-5,224.14	3,766.42	3,612.64	153.79	24.491			
16,700.00	6,964.67	6,557.19	6,530.03	285.29	27.10	-75.90	-1,897.26	-5,224.14	3,856.12	3,703.88	152.25	25.328			
16,800.00	6,964.93	6,557.30	6,530.14	288.13	27.10	-75.90	-1,897.29	-5,224.14	3,946.32	3,795.56	150.76	26.175			
16,900.00	6,965.20	6,557.41	6,530.25	290.97	27.10	-75.91	-1,897.32	-5,224.14	4,036.98	3,887.64	149.34	27.032			
17,000.00	6,965.46	6,557.52	6,530.35	293.81	27.10	-75.91	-1,897.35	-5,224.14	4,128.07	3,980.10	147.97	27.898			
17,100.00	6,965.73	6,557.63	6,530.46	296.65	27.10	-75.91	-1,897.37	-5,224.14	4,219.57	4,072.91	146.65	28.773			
17,200.00	6,966.00	6,557.75	6,530.57	299.49	27.10	-75.92	-1,897.40	-5,224.14	4,311.44	4,166.05	145.38	29.656			
17,300.00	6,966.26	6,557.86	6,530.68	302.32	27.10	-75.92	-1,897.43	-5,224.14	4,403.66	4,259.50	144.16	30.547			
17,400.00	6,966.53	6,557.97	6,530.79	305.16	27.10	-75.92	-1,897.46	-5,224.14	4,496.22	4,353.24	142.99	31.445			
17,500.00	6,966.80	6,558.08	6,530.89	308.00	27.10	-75.93	-1,897.49	-5,224.14	4,589.09	4,447.24	141.85	32.351			
17,600.00	6,967.06	6,558.19	6,531.00	310.85	27.11	-75.93	-1,897.51	-5,224.14	4,682.26	4,541.49	140.76	33.263			
17,700.00	6,967.33	6,558.30	6,531.11	313.69	27.11	-75.94	-1,897.54	-5,224.14	4,775.70	4,635.98	139.71	34.182			
17,800.00	6,967.59	6,558.42	6,531.22	316.53	27.11	-75.94	-1,897.57	-5,224.14	4,869.40	4,730.70	138.70	35.107			
17,900.00	6,967.86	6,558.53	6,531.33	319.37	27.11	-75.94	-1,897.60	-5,224.14	4,963.35	4,825.62	137.73	36.038			
18,000.00	6,968.13	6,558.64	6,531.44	322.21	27.11	-75.95	-1,897.63	-5,224.14	5,057.53	4,920.74	136.78	36.975			
18,100.00	6,968.39	6,558.75	6,531.54	325.05	27.11	-75.95	-1,897.66	-5,224.14	5,151.92	5,016.05	135.88	37.916			
18,200.00	6,968.66	6,558.86	6,531.65	327.90	27.11	-75.95	-1,897.68	-5,224.14	5,246.53	5,111.53	135.00	38.863			
18,300.00	6,968.92	6,558.97	6,531.76	330.74	27.11	-75.96	-1,897.71	-5,224.14	5,341.33	5,207.18	134.16	39.815			
18,400.00	6,969.19	6,559.09	6,531.87	333.58	27.11	-75.96	-1,897.74	-5,224.14	5,436.32	5,302.98	133.34	40.771			
18,500.00	6,969.46	6,559.20	6,531.98	336.43	27.11	-75.97	-1,897.77	-5,224.14	5,531.49	5,398.94	132.55	41.731			
18,600.00	6,969.72	6,559.31	6,532.08	339.27	27.11	-75.97	-1,897.80	-5,224.14	5,626.82	5,495.03	131.79	42.696			
18,704.56	6,970.00	6,559.43	6,532.20	342.24	27.11	-75.97	-1,897.83	-5,224.14	5,726.67	5,595.65	131.02	43.708			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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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Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.92	-2,152.78	-5,632.80	6,030.17					
100.00	100.00	85.00	85.00	3.28	3.29	-110.92	-2,152.78	-5,632.80	6,030.17	6,023.60	6.57	917.833		
200.00	200.00	185.00	185.00	3.34	3.31	-110.92	-2,152.78	-5,632.80	6,030.17	6,023.53	6.64	907.875		
300.00	299.98	284.98	284.98	3.44	3.34	149.08	-2,152.78	-5,632.80	6,031.67	6,024.88	6.78	889.452		
400.00	399.84	384.84	384.84	3.60	3.39	149.06	-2,152.78	-5,632.80	6,036.16	6,029.17	6.99	864.139		
500.00	499.45	484.45	484.45	3.80	3.45	149.02	-2,152.78	-5,632.80	6,043.64	6,036.39	7.25	833.574		
600.00	598.70	583.70	583.70	4.05	3.52	148.97	-2,152.78	-5,632.80	6,054.10	6,046.53	7.57	799.730		
700.00	697.47	682.47	682.47	4.33	3.61	148.91	-2,152.78	-5,632.80	6,067.55	6,059.61	7.94	764.282		
803.50	799.05	784.05	784.05	4.67	3.70	148.83	-2,152.78	-5,632.80	6,084.59	6,076.22	8.37	727.288		
900.00	893.41	878.41	878.41	5.02	3.80	148.92	-2,152.78	-5,632.80	6,101.96	6,093.17	8.80	693.657		
1,000.00	991.20	976.20	976.20	5.41	3.92	149.02	-2,152.78	-5,632.80	6,119.99	6,110.72	9.27	660.258		
1,100.00	1,088.99	1,073.99	1,073.99	5.81	4.04	149.12	-2,152.78	-5,632.80	6,138.03	6,128.26	9.77	628.398		
1,200.00	1,186.78	1,171.78	1,171.78	6.23	4.17	149.22	-2,152.78	-5,632.80	6,156.09	6,145.80	10.29	598.338		
1,300.00	1,284.57	1,269.57	1,269.57	6.67	4.30	149.32	-2,152.78	-5,632.80	6,174.17	6,163.34	10.83	570.179		
1,400.00	1,382.36	1,367.36	1,367.36	7.12	4.44	149.42	-2,152.78	-5,632.80	6,192.27	6,180.88	11.38	543.925		
1,500.00	1,480.15	1,465.15	1,465.15	7.57	4.59	149.52	-2,152.78	-5,632.80	6,210.38	6,198.43	11.95	519.515		
1,600.00	1,577.94	1,562.94	1,562.94	8.03	4.75	149.61	-2,152.78	-5,632.80	6,228.51	6,215.98	12.54	496.853		
1,700.00	1,675.73	1,660.73	1,660.73	8.50	4.90	149.71	-2,152.78	-5,632.80	6,246.66	6,233.53	13.13	475.825		
1,800.00	1,773.52	1,758.52	1,758.52	8.98	5.06	149.81	-2,152.78	-5,632.80	6,264.83	6,251.10	13.73	456.313		
1,900.00	1,871.31	1,856.31	1,856.31	9.45	5.23	149.90	-2,152.78	-5,632.80	6,283.01	6,268.67	14.34	438.196		
2,000.00	1,969.10	1,954.10	1,954.10	9.94	5.40	150.00	-2,152.78	-5,632.80	6,301.21	6,286.26	14.95	421.360		
2,100.00	2,066.88	2,078.52	2,078.51	10.42	5.76	150.13	-2,151.72	-5,633.00	6,319.32	6,303.55	15.77	400.733		
2,200.00	2,164.67	2,225.23	2,225.00	10.91	6.30	150.34	-2,144.08	-5,634.42	6,336.77	6,320.00	16.77	377.851		
2,300.00	2,262.46	2,339.65	2,338.92	11.40	6.74	150.54	-2,133.64	-5,636.35	6,353.67	6,336.00	17.67	359.651		
2,400.00	2,360.25	2,436.26	2,435.08	11.89	7.11	150.71	-2,124.43	-5,638.06	6,370.57	6,352.07	18.50	344.282		
2,500.00	2,458.04	2,532.88	2,531.24	12.39	7.50	150.89	-2,115.21	-5,639.77	6,387.54	6,368.19	19.35	330.068		
2,600.00	2,555.83	2,629.50	2,627.40	12.88	7.90	151.06	-2,105.99	-5,641.48	6,404.57	6,384.36	20.21	316.910		
2,700.00	2,653.62	2,726.11	2,723.56	13.38	8.31	151.23	-2,096.78	-5,643.19	6,421.66	6,400.58	21.07	304.713		
2,800.00	2,751.41	2,822.73	2,819.73	13.88	8.72	151.40	-2,087.56	-5,644.90	6,438.80	6,416.85	21.95	293.391		
2,900.00	2,849.20	2,919.35	2,915.89	14.38	9.13	151.57	-2,078.34	-5,646.61	6,456.00	6,433.18	22.82	282.865		
3,000.00	2,946.99	3,015.97	3,012.05	14.88	9.55	151.74	-2,069.12	-5,648.32	6,473.26	6,449.55	23.71	273.062		
3,100.00	3,044.78	3,112.58	3,108.21	15.38	9.97	151.91	-2,059.91	-5,650.03	6,490.58	6,465.98	24.59	263.919		
3,200.00	3,142.57	3,209.20	3,204.37	15.89	10.40	152.08	-2,050.69	-5,651.74	6,507.95	6,482.46	25.48	255.375		
3,300.00	3,240.36	3,305.82	3,300.53	16.39	10.83	152.24	-2,041.47	-5,653.45	6,525.37	6,499.00	26.38	247.379		
3,400.00	3,338.15	3,402.43	3,396.69	16.89	11.26	152.41	-2,032.25	-5,655.16	6,542.86	6,515.58	27.28	239.883		
3,500.00	3,435.93	3,500.95	3,492.85	17.40	11.70	152.58	-2,023.04	-5,656.87	6,560.39	6,532.21	28.18	232.773		
3,600.00	3,533.72	3,604.33	3,589.01	17.90	12.17	152.74	-2,013.82	-5,658.58	6,577.98	6,548.87	29.12	225.919		
3,700.00	3,631.51	3,707.71	3,685.18	18.41	12.64	152.90	-2,004.60	-5,660.29	6,595.63	6,565.58	30.05	219.475		
3,800.00	3,729.30	3,788.90	3,781.34	18.92	13.00	153.06	-1,995.39	-5,662.00	6,613.33	6,582.44	30.89	214.107		
3,900.00	3,827.09	3,885.52	3,877.50	19.42	13.45	153.23	-1,986.17	-5,663.71	6,631.08	6,599.28	31.80	208.551		
4,000.00	3,924.88	3,982.14	3,973.66	19.93	13.89	153.39	-1,976.95	-5,665.42	6,648.88	6,616.18	32.71	203.296		
4,100.00	4,022.67	4,078.75	4,069.82	20.44	14.33	153.55	-1,967.73	-5,667.13	6,666.74	6,633.12	33.62	198.319		
4,200.00	4,120.46	4,175.37	4,165.98	20.95	14.78	153.71	-1,958.52	-5,668.84	6,684.65	6,650.12	34.53	193.599		
4,300.00	4,218.25	4,271.99	4,262.14	21.46	15.22	153.86	-1,949.30	-5,670.55	6,702.61	6,667.17	35.44	189.118		
4,400.00	4,316.04	4,368.60	4,358.30	21.97	15.67	154.02	-1,940.08	-5,672.25	6,720.62	6,684.26	36.36	184.858		
4,500.00	4,413.83	4,465.22	4,454.47	22.48	16.11	154.18	-1,930.86	-5,673.96	6,738.68	6,701.41	37.27	180.804		
4,600.00	4,511.62	4,561.84	4,550.63	22.99	16.56	154.33	-1,921.65	-5,675.67	6,756.79	6,718.61	38.19	176.941		
4,700.00	4,609.41	4,658.46	4,646.79	23.50	17.01	154.49	-1,912.43	-5,677.38	6,774.95	6,735.85	39.10	173.258		
4,800.00	4,707.20	4,755.07	4,742.95	24.01	17.46	154.64	-1,903.21	-5,679.09	6,793.16	6,753.14	40.02	169.742		
4,900.00	4,804.98	4,851.69	4,839.11	24.52	17.91	154.80	-1,894.00	-5,680.80	6,811.42	6,770.49	40.94	166.382		
5,000.00	4,902.77	4,946.37	4,933.34	25.03	18.35	154.95	-1,884.79	-5,682.47	6,829.73	6,787.89	41.85	163.210		

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

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	5,000.56	5,029.32	5,016.04	25.54	18.73	155.06	-1,878.57	-5,683.66	6,848.21	6,805.53	42.68	160.439			
5,200.00	5,098.35	5,112.95	5,099.56	26.05	19.10	155.16	-1,874.49	-5,684.42	6,866.92	6,823.41	43.51	157.807			
5,300.00	5,196.14	5,197.13	5,183.72	26.56	19.45	155.24	-1,872.80	-5,684.73	6,885.84	6,841.51	44.33	155.318			
5,400.00	5,293.93	5,292.34	5,278.93	27.07	19.85	155.31	-1,872.76	-5,684.74	6,904.91	6,859.71	45.20	152.766			
5,500.00	5,391.72	5,390.13	5,376.72	27.58	20.25	155.38	-1,872.76	-5,684.74	6,923.98	6,877.91	46.08	150.269			
5,600.00	5,489.51	5,487.92	5,474.51	28.09	20.66	155.45	-1,872.76	-5,684.74	6,943.07	6,896.12	46.96	147.864			
5,700.00	5,587.30	5,585.71	5,572.30	28.61	21.07	155.52	-1,872.76	-5,684.74	6,962.17	6,914.33	47.83	145.547			
5,800.00	5,685.09	5,683.50	5,670.09	29.12	21.48	155.59	-1,872.76	-5,684.74	6,981.28	6,932.56	48.71	143.312			
5,900.00	5,782.88	5,781.29	5,767.88	29.63	21.88	155.66	-1,872.76	-5,684.74	7,000.40	6,950.80	49.59	141.157			
6,000.00	5,880.67	5,879.08	5,865.67	30.14	22.29	155.73	-1,872.76	-5,684.74	7,019.53	6,969.05	50.47	139.075			
6,100.00	5,978.46	5,976.87	5,963.46	30.65	22.70	155.80	-1,872.76	-5,684.74	7,038.66	6,987.31	51.35	137.065			
6,200.00	6,076.25	6,074.66	6,061.25	31.17	23.11	155.87	-1,872.76	-5,684.74	7,057.81	7,005.58	52.23	135.122			
6,298.86	6,172.92	6,171.33	6,157.92	31.67	23.51	155.94	-1,872.76	-5,684.74	7,076.75	7,023.65	53.10	133.264			
6,300.00	6,174.03	6,172.45	6,159.03	31.68	23.52	155.86	-1,872.76	-5,684.74	7,076.97	7,023.86	53.11	133.243			
6,350.00	6,223.30	6,221.71	6,208.30	31.92	23.72	149.91	-1,872.76	-5,684.74	7,084.59	7,031.04	53.55	132.305			
6,400.00	6,273.06	6,271.47	6,258.06	32.13	23.93	128.61	-1,872.76	-5,684.74	7,088.41	7,034.44	53.97	131.341			
6,450.00	6,323.01	6,321.42	6,308.01	32.32	24.14	38.21	-1,872.76	-5,684.74	7,088.42	7,034.05	54.37	130.377			
6,500.00	6,372.84	6,371.25	6,357.84	32.48	24.35	5.89	-1,872.76	-5,684.74	7,084.61	7,029.87	54.74	129.420			
6,550.00	6,422.24	6,420.65	6,407.24	32.65	24.56	-2.03	-1,872.76	-5,684.74	7,077.01	7,021.91	55.10	128.447			
6,600.00	6,470.92	6,469.33	6,455.92	32.83	24.76	-5.58	-1,872.76	-5,684.74	7,065.66	7,010.23	55.43	127.459			
6,650.00	6,518.56	6,516.97	6,503.56	33.01	24.96	-7.74	-1,872.76	-5,684.74	7,050.64	6,994.88	55.75	126.459			
6,700.00	6,564.89	6,563.30	6,549.89	33.21	25.15	-9.34	-1,872.76	-5,684.74	7,032.03	6,975.98	56.06	125.449			
6,750.00	6,609.60	6,608.01	6,594.60	33.43	25.34	-10.71	-1,872.76	-5,684.74	7,009.96	6,953.62	56.34	124.432			
6,800.00	6,652.43	6,651.64	6,638.20	33.66	25.09	-11.92	-1,874.14	-5,684.74	6,985.58	6,929.50	56.09	124.551			
6,850.00	6,693.10	6,694.53	6,680.10	33.91	25.13	-13.21	-1,875.03	-5,684.74	6,957.67	6,901.49	56.18	123.843			
6,900.00	6,731.38	6,730.00	6,716.38	34.20	25.27	-14.67	-1,878.58	-5,684.74	6,927.01	6,870.63	56.37	122.876			
6,950.00	6,767.02	6,766.00	6,752.02	34.51	25.27	-16.22	-1,878.58	-5,684.74	6,893.42	6,837.02	56.39	122.238			
7,000.00	6,799.81	6,799.00	6,785.81	34.85	25.27	-18.02	-1,878.58	-5,684.74	6,857.36	6,800.95	56.41	121.570			
7,050.00	6,829.54	6,829.00	6,815.54	35.24	25.27	-20.18	-1,878.58	-5,684.74	6,819.01	6,762.59	56.42	120.871			
7,100.00	6,856.03	6,856.00	6,842.03	35.66	25.27	-22.83	-1,878.58	-5,684.74	6,778.57	6,722.15	56.42	120.138			
7,150.00	6,879.11	6,879.00	6,865.11	36.12	25.27	-26.17	-1,878.58	-5,684.74	6,736.27	6,679.84	56.43	119.370			
7,200.00	6,898.65	6,898.00	6,884.65	36.62	25.27	-30.49	-1,878.58	-5,684.74	6,692.32	6,635.87	56.44	118.568			
7,250.00	6,914.51	6,914.00	6,900.51	37.15	25.38	-36.71	-1,883.57	-5,684.74	6,646.68	6,590.07	56.61	117.417			
7,300.00	6,926.62	6,926.00	6,912.62	37.73	25.39	-44.67	-1,884.21	-5,684.74	6,600.11	6,543.46	56.65	116.509			
7,350.00	6,934.88	6,934.00	6,920.88	38.34	25.40	-55.45	-1,884.66	-5,684.74	6,552.67	6,495.97	56.69	115.578			
7,400.00	6,939.26	6,939.00	6,925.26	38.97	25.40	-69.53	-1,884.91	-5,684.74	6,504.64	6,447.89	56.75	114.626			
7,429.12	6,940.00	6,940.00	6,926.00	39.34	25.40	-79.04	-1,884.95	-5,684.74	6,476.51	6,419.73	56.78	114.062			
7,500.00	6,940.19	6,940.00	6,926.19	40.31	25.40	-79.05	-1,884.96	-5,684.74	6,407.99	6,351.12	56.87	112.677			
7,600.00	6,940.46	6,940.00	6,926.46	41.80	25.40	-79.05	-1,884.98	-5,684.74	6,311.41	6,254.40	57.02	110.691			
7,700.00	6,940.72	6,940.00	6,926.72	43.43	25.40	-79.05	-1,885.00	-5,684.74	6,214.95	6,157.75	57.19	108.667			
7,800.00	6,940.99	6,940.00	6,926.99	45.19	25.40	-79.06	-1,885.01	-5,684.74	6,118.59	6,061.19	57.40	106.603			
7,900.00	6,941.25	6,941.00	6,927.25	47.05	25.40	-79.06	-1,885.03	-5,684.74	6,022.35	5,964.72	57.63	104.501			
8,000.00	6,941.52	6,941.00	6,927.52	49.02	25.40	-79.06	-1,885.05	-5,684.74	5,926.24	5,868.35	57.90	102.361			
8,100.00	6,941.79	6,941.00	6,927.79	51.06	25.40	-79.07	-1,885.07	-5,684.74	5,830.26	5,772.06	58.20	100.183			
8,200.00	6,942.05	6,942.00	6,928.05	53.18	25.40	-79.07	-1,885.09	-5,684.74	5,734.42	5,675.88	58.53	97.969			
8,300.00	6,942.32	6,942.00	6,928.32	55.37	25.40	-79.07	-1,885.11	-5,684.74	5,638.72	5,579.81	58.91	95.719			
8,400.00	6,942.58	6,942.00	6,928.58	57.62	25.40	-79.08	-1,885.12	-5,684.74	5,543.17	5,483.84	59.33	93.435			
8,500.00	6,942.85	6,942.00	6,928.85	59.92	25.40	-79.08	-1,885.14	-5,684.74	5,447.78	5,387.99	59.79	91.119			
8,600.00	6,943.12	6,943.00	6,929.12	62.26	25.41	-79.08	-1,885.16	-5,684.74	5,352.56	5,292.27	60.29	88.774			
8,700.00	6,943.38	6,943.00	6,929.38	64.65	25.41	-79.09	-1,885.18	-5,684.74	5,257.52	5,196.67	60.85	86.401			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	6,943.65	6,643.65	6,629.49	67.08	25.41	-79.09	-1,885.20	-5,684.74	5,162.67	5,101.21	61.46	84.004		
8,900.00	6,943.91	6,643.75	6,629.59	69.53	25.41	-79.10	-1,885.22	-5,684.74	5,068.01	5,005.89	62.12	81.586		
9,000.00	6,944.18	6,643.85	6,629.69	72.02	25.41	-79.10	-1,885.24	-5,684.74	4,973.56	4,910.72	62.84	79.150		
9,100.00	6,944.45	6,643.95	6,629.79	74.54	25.41	-79.10	-1,885.25	-5,684.74	4,879.33	4,815.72	63.62	76.701		
9,200.00	6,944.71	6,644.06	6,629.89	77.07	25.41	-79.11	-1,885.27	-5,684.74	4,785.34	4,720.89	64.46	74.241		
9,300.00	6,944.98	6,644.16	6,629.99	79.63	25.41	-79.11	-1,885.29	-5,684.74	4,691.60	4,626.23	65.36	71.776		
9,400.00	6,945.24	6,644.26	6,630.09	82.21	25.41	-79.11	-1,885.31	-5,684.74	4,598.12	4,531.78	66.34	69.310		
9,500.00	6,945.51	6,644.37	6,630.19	84.81	25.41	-79.12	-1,885.33	-5,684.74	4,504.92	4,437.53	67.39	66.846		
9,600.00	6,945.78	6,644.47	6,630.29	87.43	25.41	-79.12	-1,885.35	-5,684.74	4,412.02	4,343.50	68.52	64.390		
9,700.00	6,946.04	6,644.57	6,630.40	90.05	25.41	-79.12	-1,885.36	-5,684.74	4,319.43	4,249.70	69.73	61.947		
9,800.00	6,946.31	6,644.67	6,630.50	92.70	25.41	-79.13	-1,885.38	-5,684.74	4,227.18	4,156.16	71.02	59.520		
9,900.00	6,946.57	6,644.78	6,630.60	95.35	25.41	-79.13	-1,885.40	-5,684.74	4,135.30	4,062.89	72.40	57.115		
10,000.00	6,946.84	6,644.88	6,630.70	98.02	25.41	-79.13	-1,885.42	-5,684.74	4,043.79	3,969.92	73.88	54.736		
10,100.00	6,947.11	6,644.98	6,630.80	100.70	25.41	-79.14	-1,885.44	-5,684.74	3,952.70	3,877.25	75.45	52.387		
10,200.00	6,947.37	6,645.09	6,630.90	103.38	25.41	-79.14	-1,885.46	-5,684.74	3,862.05	3,784.92	77.13	50.073		
10,300.00	6,947.64	6,645.19	6,631.00	106.08	25.41	-79.14	-1,885.48	-5,684.74	3,771.88	3,692.96	78.91	47.797		
10,400.00	6,947.90	6,645.29	6,631.10	108.78	25.41	-79.15	-1,885.50	-5,684.74	3,682.21	3,601.39	80.81	45.564		
10,500.00	6,948.17	6,645.39	6,631.20	111.49	25.41	-79.15	-1,885.51	-5,684.74	3,593.08	3,510.25	82.83	43.377		
10,600.00	6,948.44	6,645.50	6,631.31	114.21	25.41	-79.16	-1,885.53	-5,684.74	3,504.55	3,419.56	84.98	41.239		
10,700.00	6,948.70	6,645.60	6,631.41	116.94	25.41	-79.16	-1,885.55	-5,684.74	3,416.64	3,329.38	87.26	39.154		
10,800.00	6,948.97	6,645.70	6,631.51	119.67	25.41	-79.16	-1,885.57	-5,684.74	3,329.42	3,239.74	89.68	37.125		
10,900.00	6,949.24	6,645.81	6,631.61	122.41	25.41	-79.17	-1,885.59	-5,684.74	3,242.93	3,150.69	92.25	35.154		
11,000.00	6,949.50	6,645.91	6,631.71	125.15	25.41	-79.17	-1,885.61	-5,684.74	3,157.25	3,062.28	94.97	33.244		
11,100.00	6,949.77	6,646.01	6,631.81	127.90	25.41	-79.17	-1,885.63	-5,684.74	3,072.43	2,974.57	97.86	31.397		
11,200.00	6,950.03	6,646.12	6,631.91	130.65	25.41	-79.18	-1,885.65	-5,684.74	2,988.55	2,887.63	100.92	29.614		
11,300.00	6,950.30	6,646.22	6,632.02	133.41	25.41	-79.18	-1,885.66	-5,684.74	2,905.68	2,801.53	104.15	27.898		
11,400.00	6,950.57	6,646.32	6,632.12	136.17	25.41	-79.18	-1,885.68	-5,684.74	2,823.93	2,716.35	107.58	26.249		
11,500.00	6,950.83	6,646.43	6,632.22	138.94	25.41	-79.19	-1,885.70	-5,684.74	2,743.39	2,632.19	111.20	24.670		
11,600.00	6,951.10	6,646.53	6,632.32	141.71	25.41	-79.19	-1,885.72	-5,684.74	2,664.17	2,549.14	115.03	23.161		
11,700.00	6,951.36	6,646.63	6,632.42	144.48	25.42	-79.20	-1,885.74	-5,684.74	2,586.38	2,467.31	119.07	21.722		
11,800.00	6,951.63	6,646.74	6,632.52	147.26	25.42	-79.20	-1,885.76	-5,684.74	2,510.17	2,386.85	123.33	20.354		
11,900.00	6,951.90	6,646.84	6,632.63	150.03	25.42	-79.20	-1,885.78	-5,684.74	2,435.69	2,307.88	127.81	19.058		
12,000.00	6,952.16	6,646.94	6,632.73	152.82	25.42	-79.21	-1,885.80	-5,684.74	2,363.08	2,230.57	132.51	17.833		
12,100.00	6,952.43	6,647.05	6,632.83	155.60	25.42	-79.21	-1,885.82	-5,684.74	2,292.54	2,155.10	137.44	16.680		
12,200.00	6,952.69	6,647.15	6,632.93	158.39	25.42	-79.21	-1,885.84	-5,684.74	2,224.26	2,081.67	142.59	15.599		
12,300.00	6,952.96	6,647.25	6,633.03	161.18	25.42	-79.22	-1,885.85	-5,684.74	2,158.46	2,010.50	147.96	14.588		
12,400.00	6,953.23	6,647.36	6,633.13	163.97	25.42	-79.22	-1,885.87	-5,684.74	2,095.36	1,941.84	153.52	13.649		
12,500.00	6,953.49	6,647.46	6,633.24	166.77	25.42	-79.22	-1,885.89	-5,684.74	2,035.22	1,875.96	159.26	12.779		
12,600.00	6,953.76	6,647.56	6,633.34	169.56	25.42	-79.23	-1,885.91	-5,684.74	1,978.31	1,813.17	165.15	11.979		
12,700.00	6,954.02	6,647.67	6,633.44	172.36	25.42	-79.23	-1,885.93	-5,684.74	1,924.92	1,753.78	171.14	11.247		
12,800.00	6,954.29	6,647.77	6,633.54	175.16	25.42	-79.23	-1,885.95	-5,684.74	1,875.34	1,698.14	177.20	10.583		
12,900.00	6,954.56	6,647.87	6,633.64	177.97	25.42	-79.24	-1,885.97	-5,684.74	1,829.89	1,646.64	183.25	9.986		
13,000.00	6,954.82	6,647.98	6,633.74	180.77	25.42	-79.24	-1,885.99	-5,684.74	1,788.88	1,599.65	189.23	9.453		
13,100.00	6,955.09	6,648.08	6,633.85	183.58	25.42	-79.25	-1,886.01	-5,684.74	1,752.62	1,557.57	195.06	8.985		
13,200.00	6,955.35	6,648.19	6,633.95	186.38	25.42	-79.25	-1,886.03	-5,684.74	1,721.42	1,520.78	200.64	8.580		
13,300.00	6,955.62	6,648.29	6,634.05	189.19	25.42	-79.25	-1,886.05	-5,684.74	1,695.55	1,489.66	205.89	8.235		
13,400.00	6,955.89	6,648.39	6,634.15	192.00	25.42	-79.26	-1,886.07	-5,684.74	1,675.25	1,464.55	210.70	7.951		
13,500.00	6,956.15	6,648.50	6,634.25	194.82	25.42	-79.26	-1,886.09	-5,684.74	1,660.74	1,445.74	215.00	7.724		
13,600.00	6,956.42	6,648.60	6,634.36	197.63	25.42	-79.26	-1,886.10	-5,684.74	1,652.17	1,433.47	218.70	7.554		
13,692.04	6,956.66	6,648.70	6,634.45	200.22	25.42	-79.27	-1,886.12	-5,684.74	1,649.60	1,428.07	221.53	7.446 CC		
13,700.00	6,956.68	6,648.70	6,634.46	200.44	25.42	-79.27	-1,886.12	-5,684.74	1,649.62	1,427.87	221.75	7.439 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
13,800.00	6,956.95	6,648.81	6,634.56	203.26	25.42	-79.27	-1,886.14	-5,684.74	1,653.13	1,429.03	224.10	7.377			
13,900.00	6,957.22	6,648.91	6,634.66	206.08	25.42	-79.27	-1,886.16	-5,684.74	1,662.66	1,436.92	225.74	7.365 SF			
14,000.00	6,957.48	6,649.02	6,634.76	208.89	25.42	-79.28	-1,886.18	-5,684.74	1,678.10	1,451.43	226.67	7.403			
14,100.00	6,957.75	6,649.12	6,634.87	211.71	25.42	-79.28	-1,886.20	-5,684.74	1,699.30	1,472.38	226.92	7.488			
14,200.00	6,958.02	6,649.22	6,634.97	214.53	25.42	-79.29	-1,886.22	-5,684.74	1,726.04	1,499.50	226.54	7.619			
14,300.00	6,958.28	6,649.33	6,635.07	217.36	25.42	-79.29	-1,886.24	-5,684.74	1,758.07	1,532.48	225.59	7.793			
14,400.00	6,958.55	6,649.43	6,635.17	220.18	25.42	-79.29	-1,886.26	-5,684.74	1,795.11	1,570.97	224.14	8.009			
14,500.00	6,958.81	6,649.54	6,635.28	223.00	25.42	-79.30	-1,886.28	-5,684.74	1,836.84	1,614.59	222.25	8.265			
14,600.00	6,959.08	6,649.64	6,635.38	225.83	25.42	-79.30	-1,886.30	-5,684.74	1,882.97	1,662.96	220.02	8.558			
14,700.00	6,959.35	6,649.74	6,635.48	228.65	25.42	-79.30	-1,886.32	-5,684.74	1,933.18	1,715.68	217.50	8.888			
14,800.00	6,959.61	6,649.85	6,635.58	231.48	25.43	-79.31	-1,886.34	-5,684.74	1,987.15	1,772.39	214.76	9.253			
14,900.00	6,959.88	6,649.95	6,635.68	234.30	25.43	-79.31	-1,886.36	-5,684.74	2,044.59	1,832.73	211.86	9.651			
15,000.00	6,960.14	6,650.06	6,635.79	237.13	25.43	-79.31	-1,886.38	-5,684.74	2,105.22	1,896.36	208.86	10.080			
15,100.00	6,960.41	6,650.16	6,635.89	239.96	25.43	-79.32	-1,886.40	-5,684.74	2,168.77	1,962.97	205.80	10.538			
15,200.00	6,960.68	6,650.26	6,635.99	242.79	25.43	-79.32	-1,886.42	-5,684.74	2,234.98	2,032.28	202.70	11.026			
15,300.00	6,960.94	6,650.37	6,636.09	245.62	25.43	-79.32	-1,886.44	-5,684.74	2,303.63	2,104.02	199.62	11.540			
15,400.00	6,961.21	6,650.47	6,636.20	248.45	25.43	-79.33	-1,886.46	-5,684.74	2,374.52	2,177.96	196.56	12.081			
15,500.00	6,961.47	6,650.58	6,636.30	251.28	25.43	-79.33	-1,886.47	-5,684.74	2,447.43	2,253.89	193.54	12.645			
15,600.00	6,961.74	6,650.68	6,636.40	254.11	25.43	-79.34	-1,886.49	-5,684.74	2,522.20	2,331.61	190.59	13.233			
15,700.00	6,962.01	6,650.79	6,636.50	256.94	25.43	-79.34	-1,886.51	-5,684.74	2,598.67	2,410.96	187.71	13.844			
15,800.00	6,962.27	6,650.89	6,636.61	259.77	25.43	-79.34	-1,886.53	-5,684.74	2,676.69	2,491.78	184.92	14.475			
15,900.00	6,962.54	6,651.00	6,636.71	262.61	25.43	-79.35	-1,886.55	-5,684.74	2,756.14	2,573.93	182.20	15.127			
16,000.00	6,962.80	6,651.10	6,636.81	265.44	25.43	-79.35	-1,886.57	-5,684.74	2,836.88	2,657.30	179.58	15.797			
16,100.00	6,963.07	6,651.20	6,636.91	268.28	25.43	-79.35	-1,886.59	-5,684.74	2,918.81	2,741.77	177.05	16.486			
16,200.00	6,963.34	6,651.31	6,637.02	271.11	25.43	-79.36	-1,886.61	-5,684.74	3,001.84	2,827.24	174.60	17.192			
16,300.00	6,963.60	6,651.41	6,637.12	273.95	25.43	-79.36	-1,886.63	-5,684.74	3,085.88	2,913.63	172.25	17.915			
16,400.00	6,963.87	6,651.52	6,637.22	276.78	25.43	-79.36	-1,886.65	-5,684.74	3,170.84	3,000.85	169.99	18.653			
16,500.00	6,964.13	6,651.62	6,637.32	279.62	25.43	-79.37	-1,886.67	-5,684.74	3,256.66	3,088.85	167.81	19.406			
16,600.00	6,964.40	6,651.73	6,637.43	282.46	25.43	-79.37	-1,886.69	-5,684.74	3,343.27	3,177.54	165.72	20.174			
16,700.00	6,964.67	6,651.83	6,637.53	285.29	25.43	-79.38	-1,886.71	-5,684.74	3,430.60	3,266.89	163.71	20.955			
16,800.00	6,964.93	6,651.94	6,637.63	288.13	25.43	-79.38	-1,886.73	-5,684.74	3,518.61	3,356.83	161.78	21.749			
16,900.00	6,965.20	6,652.04	6,637.73	290.97	25.43	-79.38	-1,886.75	-5,684.74	3,607.24	3,447.31	159.93	22.555			
17,000.00	6,965.46	6,652.15	6,637.84	293.81	25.43	-79.39	-1,886.77	-5,684.74	3,696.46	3,538.31	158.15	23.373			
17,100.00	6,965.73	6,652.25	6,637.94	296.65	25.43	-79.39	-1,886.79	-5,684.74	3,786.21	3,629.77	156.44	24.203			
17,200.00	6,966.00	6,652.35	6,638.04	299.49	25.43	-79.39	-1,886.81	-5,684.74	3,876.46	3,721.67	154.80	25.042			
17,300.00	6,966.26	6,652.46	6,638.15	302.32	25.43	-79.40	-1,886.83	-5,684.74	3,967.19	3,813.97	153.22	25.892			
17,400.00	6,966.53	6,652.56	6,638.25	305.16	25.43	-79.40	-1,886.85	-5,684.74	4,058.34	3,906.64	151.70	26.752			
17,500.00	6,966.80	6,652.67	6,638.35	308.00	25.43	-79.40	-1,886.87	-5,684.74	4,149.91	3,999.66	150.24	27.621			
17,600.00	6,967.06	6,652.77	6,638.45	310.85	25.43	-79.41	-1,886.89	-5,684.74	4,241.85	4,093.01	148.84	28.499			
17,700.00	6,967.33	6,652.88	6,638.56	313.69	25.43	-79.41	-1,886.91	-5,684.74	4,334.16	4,186.66	147.50	29.385			
17,800.00	6,967.59	6,652.98	6,638.66	316.53	25.44	-79.42	-1,886.93	-5,684.74	4,426.79	4,280.59	146.20	30.279			
17,900.00	6,967.86	6,653.09	6,638.76	319.37	25.44	-79.42	-1,886.95	-5,684.74	4,519.75	4,374.79	144.95	31.180			
18,000.00	6,968.13	6,653.19	6,638.87	322.21	25.44	-79.42	-1,886.97	-5,684.74	4,612.99	4,469.24	143.76	32.089			
18,100.00	6,968.39	6,653.30	6,638.97	325.05	25.44	-79.43	-1,886.99	-5,684.74	4,706.51	4,563.91	142.60	33.005			
18,200.00	6,968.66	6,653.40	6,639.07	327.90	25.44	-79.43	-1,887.01	-5,684.74	4,800.30	4,658.81	141.49	33.927			
18,300.00	6,968.92	6,653.51	6,639.18	330.74	25.44	-79.43	-1,887.03	-5,684.74	4,894.33	4,753.91	140.42	34.856			
18,400.00	6,969.19	6,653.61	6,639.28	333.58	25.44	-79.44	-1,887.05	-5,684.74	4,988.59	4,849.21	139.38	35.790			
18,500.00	6,969.46	6,653.72	6,639.38	336.43	25.44	-79.44	-1,887.07	-5,684.74	5,083.07	4,944.68	138.39	36.730			
18,600.00	6,969.72	6,653.82	6,639.49	339.27	25.44	-79.44	-1,887.09	-5,684.74	5,177.76	5,040.33	137.43	37.676			
18,704.56	6,970.00	6,653.93	6,639.59	342.24	25.44	-79.45	-1,887.12	-5,684.74	5,276.98	5,140.52	136.46	38.670			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-11.17	1,403.67	-277.25	1,433.87					
100.00	100.00	6.00	6.00	3.28	3.28	-11.17	1,403.67	-277.25	1,430.78	1,424.22	6.57	217.896		
200.00	200.00	106.00	106.00	3.34	3.82	-11.17	1,403.67	-277.25	1,430.78	1,423.63	7.16	199.958 CC		
300.00	299.98	205.98	205.98	3.44	6.36	-111.23	1,403.67	-277.25	1,431.42	1,421.62	9.80	146.080		
400.00	399.84	305.84	305.84	3.60	9.51	-111.39	1,403.67	-277.25	1,433.32	1,420.21	13.11	109.325		
500.00	499.45	405.45	405.45	3.80	12.84	-111.65	1,403.67	-277.25	1,436.53	1,419.89	16.63	86.367		
600.00	598.70	504.70	504.70	4.05	16.21	-112.01	1,403.67	-277.25	1,441.09	1,420.84	20.25	71.160		
700.00	697.47	603.47	603.47	4.33	19.60	-112.47	1,403.67	-277.25	1,447.07	1,423.15	23.92	60.485		
803.50	799.05	705.05	705.05	4.67	23.10	-113.03	1,403.67	-277.25	1,454.86	1,427.10	27.76	52.405		
900.00	893.41	800.59	799.41	5.02	26.41	-113.75	1,403.67	-277.25	1,463.02	1,431.61	31.41	46.582		
1,000.00	991.20	902.80	897.20	5.41	29.95	-114.48	1,403.67	-277.25	1,471.72	1,436.40	35.33	41.661		
1,100.00	1,088.99	1,005.01	994.99	5.81	33.50	-115.20	1,403.67	-277.25	1,480.67	1,441.40	39.27	37.707		
1,200.00	1,186.78	1,107.22	1,092.78	6.23	37.05	-115.92	1,403.67	-277.25	1,489.86	1,446.63	43.23	34.465		
1,300.00	1,284.57	1,209.43	1,190.57	6.67	40.61	-116.62	1,403.67	-277.25	1,499.28	1,452.08	47.20	31.763		
1,400.00	1,382.36	1,288.36	1,288.36	7.12	43.36	-117.32	1,403.67	-277.25	1,508.94	1,458.56	50.38	29.952		
1,500.00	1,480.15	1,386.15	1,386.15	7.57	46.76	-118.01	1,403.67	-277.25	1,518.82	1,464.60	54.22	28.013		
1,600.00	1,577.94	1,483.94	1,483.94	8.03	50.17	-118.69	1,403.67	-277.25	1,528.92	1,470.85	58.07	26.330		
1,700.00	1,675.73	1,581.73	1,581.73	8.50	53.57	-119.36	1,403.67	-277.25	1,539.24	1,477.32	61.92	24.858		
1,800.00	1,773.52	1,679.52	1,679.52	8.98	56.98	-120.02	1,403.67	-277.25	1,549.77	1,483.99	65.78	23.560		
1,900.00	1,871.31	1,777.31	1,777.31	9.45	60.39	-120.68	1,403.67	-277.25	1,560.52	1,490.87	69.64	22.407		
2,000.00	1,969.10	1,875.10	1,875.10	9.94	63.80	-121.32	1,403.67	-277.25	1,571.46	1,497.95	73.51	21.378		
2,100.00	2,066.88	1,972.88	1,972.88	10.42	67.21	-121.96	1,403.67	-277.25	1,582.61	1,505.23	77.38	20.453		
2,200.00	2,164.67	2,070.67	2,070.67	10.91	70.62	-122.59	1,403.67	-277.25	1,593.95	1,512.71	81.25	19.618		
2,300.00	2,262.46	2,168.46	2,168.46	11.40	74.03	-123.21	1,403.67	-277.25	1,605.49	1,520.37	85.12	18.861		
2,400.00	2,360.25	2,266.25	2,266.25	11.89	77.44	-123.82	1,403.67	-277.25	1,617.22	1,528.22	88.99	18.172		
2,500.00	2,458.04	2,364.04	2,364.04	12.39	80.85	-124.42	1,403.67	-277.25	1,629.13	1,536.26	92.87	17.542		
2,600.00	2,555.83	2,461.83	2,461.83	12.88	84.26	-125.01	1,403.67	-277.25	1,641.21	1,544.47	96.75	16.964		
2,700.00	2,653.62	2,559.62	2,559.62	13.38	87.67	-125.60	1,403.67	-277.25	1,653.48	1,552.86	100.62	16.432		
2,800.00	2,751.41	2,657.41	2,657.41	13.88	91.08	-126.17	1,403.67	-277.25	1,665.92	1,561.42	104.50	15.942		
2,900.00	2,849.20	2,755.20	2,755.20	14.38	94.50	-126.74	1,403.67	-277.25	1,678.52	1,570.14	108.38	15.488		
3,000.00	2,946.99	2,852.99	2,852.99	14.88	97.91	-127.30	1,403.67	-277.25	1,691.29	1,579.04	112.26	15.066		
3,100.00	3,044.78	2,950.78	2,950.78	15.38	101.32	-127.85	1,403.67	-277.25	1,704.22	1,588.09	116.13	14.675		
3,200.00	3,142.57	3,048.57	3,048.57	15.89	104.73	-128.40	1,403.67	-277.25	1,717.31	1,597.30	120.01	14.309		
3,300.00	3,240.36	3,146.36	3,146.36	16.39	108.14	-128.93	1,403.67	-277.25	1,730.55	1,606.66	123.89	13.968		
3,400.00	3,338.15	3,244.15	3,244.15	16.89	111.56	-129.46	1,403.67	-277.25	1,743.94	1,616.17	127.77	13.649		
3,500.00	3,435.93	3,341.93	3,341.93	17.40	114.97	-129.98	1,403.67	-277.25	1,757.48	1,625.83	131.65	13.350		
3,600.00	3,533.72	3,439.72	3,439.72	17.90	118.38	-130.49	1,403.67	-277.25	1,771.16	1,635.64	135.53	13.069		
3,700.00	3,631.51	3,537.51	3,537.51	18.41	121.79	-130.99	1,403.67	-277.25	1,784.99	1,645.58	139.41	12.804		
3,800.00	3,729.30	3,635.30	3,635.30	18.92	125.21	-131.49	1,403.67	-277.25	1,798.95	1,655.66	143.29	12.555		
3,900.00	3,827.09	3,733.09	3,733.09	19.42	128.62	-131.98	1,403.67	-277.25	1,813.04	1,665.88	147.16	12.320		
4,000.00	3,924.88	3,830.88	3,830.88	19.93	132.03	-132.46	1,403.67	-277.25	1,827.26	1,676.22	151.04	12.098		
4,100.00	4,022.67	3,928.67	3,928.67	20.44	135.44	-132.94	1,403.67	-277.25	1,841.61	1,686.69	154.92	11.887		
4,200.00	4,120.46	4,026.46	4,026.46	20.95	138.86	-133.40	1,403.67	-277.25	1,856.09	1,697.29	158.80	11.688		
4,300.00	4,218.25	4,124.25	4,124.25	21.46	142.27	-133.86	1,403.67	-277.25	1,870.69	1,708.01	162.68	11.499		
4,400.00	4,316.04	4,222.04	4,222.04	21.97	145.68	-134.32	1,403.67	-277.25	1,885.40	1,718.85	166.55	11.320		
4,500.00	4,413.83	4,319.83	4,319.83	22.48	149.10	-134.76	1,403.67	-277.25	1,900.24	1,729.80	170.43	11.150		
4,600.00	4,511.62	4,417.62	4,417.62	22.99	152.51	-135.20	1,403.67	-277.25	1,915.18	1,740.87	174.31	10.987		
4,700.00	4,609.41	4,515.41	4,515.41	23.50	155.92	-135.63	1,403.67	-277.25	1,930.24	1,752.05	178.19	10.833		
4,800.00	4,707.20	4,613.20	4,613.20	24.01	159.34	-136.06	1,403.67	-277.25	1,945.40	1,763.34	182.06	10.685		
4,900.00	4,804.98	4,710.98	4,710.98	24.52	162.75	-136.48	1,403.67	-277.25	1,960.67	1,774.73	185.94	10.545		
5,000.00	4,902.77	4,808.77	4,808.77	25.03	166.16	-136.89	1,403.67	-277.25	1,976.05	1,786.23	189.82	10.410		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,906.56	4,906.56	25.54	169.57	-137.30	1,403.67	-277.25	1,991.52	1,797.83	193.69	10.282		
5,200.00	5,098.35	5,004.35	5,004.35	26.05	172.99	-137.70	1,403.67	-277.25	2,007.09	1,809.53	197.57	10.159		
5,300.00	5,196.14	5,102.14	5,102.14	26.56	176.40	-138.10	1,403.67	-277.25	2,022.76	1,821.32	201.44	10.041		
5,400.00	5,293.93	5,200.07	5,199.93	27.07	179.82	-138.48	1,403.67	-277.25	2,038.53	1,833.20	205.33	9.928		
5,500.00	5,391.72	5,302.28	5,297.72	27.58	183.39	-138.87	1,403.67	-277.25	2,054.38	1,845.03	209.36	9.813		
5,600.00	5,489.51	5,404.49	5,395.51	28.09	186.95	-139.24	1,403.67	-277.25	2,070.33	1,856.94	213.39	9.702		
5,700.00	5,587.30	5,506.70	5,493.30	28.61	190.52	-139.62	1,403.67	-277.25	2,086.36	1,868.95	217.41	9.596		
5,800.00	5,685.09	5,608.91	5,591.09	29.12	194.09	-139.98	1,403.67	-277.25	2,102.48	1,881.04	221.44	9.494		
5,900.00	5,782.88	5,688.88	5,688.88	29.63	196.88	-140.34	1,403.67	-277.25	2,118.68	1,893.99	224.70	9.429		
6,000.00	5,880.67	5,786.67	5,786.67	30.14	200.29	-140.70	1,403.67	-277.25	2,134.97	1,906.39	228.57	9.340		
6,100.00	5,978.46	5,884.46	5,884.46	30.65	203.71	-141.05	1,403.67	-277.25	2,151.33	1,918.88	232.45	9.255		
6,200.00	6,076.25	5,982.25	5,982.25	31.17	207.12	-141.39	1,403.67	-277.25	2,167.77	1,931.45	236.32	9.173		
6,298.86	6,172.92	6,078.92	6,078.92	31.67	210.50	-141.73	1,403.67	-277.25	2,184.10	1,943.95	240.15	9.095		
6,300.00	6,174.03	6,080.03	6,080.03	31.68	210.53	-141.83	1,403.67	-277.25	2,184.29	1,944.10	240.20	9.094		
6,350.00	6,223.30	6,129.30	6,129.30	31.92	212.25	-148.57	1,403.67	-277.25	2,191.23	1,949.09	242.14	9.049		
6,400.00	6,273.06	6,179.06	6,179.06	32.13	213.99	-170.32	1,403.67	-277.25	2,195.57	1,951.49	244.08	8.995		
6,450.00	6,323.01	6,229.01	6,229.01	32.32	215.73	99.18	1,403.67	-277.25	2,197.28	1,951.26	246.02	8.931		
6,500.00	6,372.84	6,278.84	6,278.84	32.48	217.47	67.08	1,403.67	-277.25	2,196.35	1,948.41	247.94	8.858		
6,550.00	6,422.24	6,328.24	6,328.24	32.65	219.20	59.74	1,403.67	-277.25	2,192.80	1,942.96	249.84	8.777		
6,600.00	6,470.92	6,376.92	6,376.92	32.83	220.90	57.11	1,403.67	-277.25	2,186.67	1,934.96	251.71	8.687		
6,650.00	6,518.56	6,424.56	6,424.56	33.01	222.56	56.22	1,403.67	-277.25	2,178.06	1,924.50	253.55	8.590		
6,700.00	6,564.89	6,470.89	6,470.89	33.21	224.18	56.27	1,403.67	-277.25	2,167.04	1,911.70	255.35	8.487		
6,750.00	6,609.60	6,515.60	6,515.60	33.43	225.74	56.93	1,403.67	-277.25	2,153.76	1,896.67	257.09	8.377		
6,800.00	6,652.43	6,558.43	6,558.43	33.66	227.23	58.07	1,403.67	-277.25	2,138.36	1,879.58	258.78	8.263		
6,850.00	6,693.10	6,600.90	6,599.10	33.91	228.72	59.60	1,403.67	-277.25	2,121.02	1,860.55	260.47	8.143		
6,900.00	6,731.38	6,637.38	6,637.38	34.20	229.99	61.48	1,403.67	-277.25	2,101.92	1,839.94	261.97	8.023		
6,950.00	6,767.02	6,673.02	6,673.02	34.51	231.23	63.65	1,403.67	-277.25	2,081.27	1,817.80	263.47	7.899		
7,000.00	6,799.81	6,705.81	6,705.81	34.85	232.38	66.09	1,403.67	-277.25	2,059.31	1,794.41	264.90	7.774		
7,050.00	6,829.54	6,735.54	6,735.54	35.24	233.42	68.74	1,403.67	-277.25	2,036.26	1,770.00	266.26	7.648		
7,100.00	6,856.03	6,762.03	6,762.03	35.66	234.34	71.56	1,403.67	-277.25	2,012.38	1,744.82	267.56	7.521		
7,150.00	6,879.11	6,785.11	6,785.11	36.12	235.15	74.48	1,403.67	-277.25	1,987.91	1,719.13	268.78	7.396		
7,200.00	6,898.65	6,804.65	6,804.65	36.62	235.83	77.45	1,403.67	-277.25	1,963.12	1,693.18	269.94	7.273		
7,250.00	6,914.51	6,820.51	6,820.51	37.15	236.38	80.40	1,403.67	-277.25	1,938.25	1,667.23	271.02	7.152		
7,300.00	6,926.62	6,832.62	6,832.62	37.73	236.80	83.26	1,403.67	-277.25	1,913.55	1,641.52	272.03	7.034		
7,350.00	6,934.88	6,840.88	6,840.88	38.34	237.09	85.99	1,403.67	-277.25	1,889.25	1,616.30	272.95	6.922		
7,400.00	6,939.26	6,845.26	6,845.26	38.97	237.25	88.54	1,403.67	-277.25	1,865.58	1,591.79	273.79	6.814		
7,429.12	6,940.00	6,846.00	6,846.00	39.34	237.27	89.92	1,403.67	-277.25	1,852.15	1,577.92	274.24	6.754		
7,500.00	6,940.19	6,846.19	6,846.19	40.31	237.28	89.93	1,403.67	-277.25	1,820.95	1,545.62	275.34	6.614		
7,600.00	6,940.46	6,846.46	6,846.46	41.80	237.29	89.94	1,403.67	-277.25	1,780.80	1,503.73	277.08	6.427		
7,700.00	6,940.72	6,846.72	6,846.72	43.43	237.30	89.95	1,403.67	-277.25	1,745.47	1,466.45	279.02	6.256		
7,800.00	6,940.99	6,846.99	6,846.99	45.19	237.31	89.96	1,403.67	-277.25	1,715.24	1,434.12	281.12	6.101		
7,900.00	6,941.25	6,847.25	6,847.25	47.05	237.32	89.97	1,403.67	-277.25	1,690.40	1,407.04	283.36	5.966		
8,000.00	6,941.52	6,847.52	6,847.52	49.02	237.32	89.97	1,403.67	-277.25	1,671.18	1,385.50	285.69	5.850		
8,100.00	6,941.79	6,847.79	6,847.79	51.06	237.33	89.98	1,403.67	-277.25	1,657.78	1,369.73	288.05	5.755		
8,200.00	6,942.05	6,848.05	6,848.05	53.18	237.34	89.99	1,403.67	-277.25	1,650.34	1,359.93	290.41	5.683		
8,273.03	6,942.25	6,848.25	6,848.25	54.78	237.35	90.00	1,403.67	-277.25	1,648.73	1,356.62	292.11	5.644		
8,300.00	6,942.32	6,848.32	6,848.32	55.37	237.35	90.00	1,403.67	-277.25	1,648.95	1,356.23	292.72	5.633 ES		
8,400.00	6,942.58	6,848.58	6,848.58	57.62	237.36	90.01	1,403.67	-277.25	1,653.61	1,358.67	294.93	5.607		
8,500.00	6,942.85	6,848.85	6,848.85	59.92	237.37	90.02	1,403.67	-277.25	1,664.28	1,367.25	297.02	5.603 SF		
8,600.00	6,943.12	6,849.12	6,849.12	62.26	237.38	90.03	1,403.67	-277.25	1,680.83	1,381.88	298.96	5.622		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - J.R. #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		
8,700.00	6,943.38	6,849.38	6,849.38	64.65	237.39	90.04	1,403.67	-277.25	1,703.11	1,402.40	300.72	5.663		
8,800.00	6,943.65	6,849.65	6,849.65	67.08	237.40	90.05	1,403.67	-277.25	1,730.89	1,428.60	302.30	5.726		
8,900.00	6,943.91	6,849.91	6,849.91	69.53	237.41	90.06	1,403.67	-277.25	1,763.91	1,460.23	303.68	5.808		
9,000.00	6,944.18	6,850.18	6,850.18	72.02	237.42	90.07	1,403.67	-277.25	1,801.88	1,497.00	304.89	5.910		
9,100.00	6,944.45	6,850.45	6,850.45	74.54	237.43	90.08	1,403.67	-277.25	1,844.50	1,538.59	305.91	6.030		
9,200.00	6,944.71	6,850.71	6,850.71	77.07	237.44	90.09	1,403.67	-277.25	1,891.44	1,584.67	306.77	6.166		
9,300.00	6,944.98	6,850.98	6,850.98	79.63	237.45	90.09	1,403.67	-277.25	1,942.41	1,634.93	307.48	6.317		
9,400.00	6,945.24	6,851.24	6,851.24	82.21	237.45	90.10	1,403.67	-277.25	1,997.08	1,689.04	308.05	6.483		
9,500.00	6,945.51	6,851.51	6,851.51	84.81	237.46	90.11	1,403.67	-277.25	2,055.17	1,746.68	308.49	6.662		
9,600.00	6,945.78	6,851.78	6,851.78	87.43	237.47	90.12	1,403.67	-277.25	2,116.40	1,807.56	308.83	6.853		
9,700.00	6,946.04	6,852.04	6,852.04	90.05	237.48	90.13	1,403.67	-277.25	2,180.49	1,871.40	309.08	7.055		
9,800.00	6,946.31	6,852.31	6,852.31	92.70	237.49	90.14	1,403.67	-277.25	2,247.20	1,937.95	309.25	7.267		
9,900.00	6,946.57	6,852.57	6,852.57	95.35	237.50	90.15	1,403.67	-277.25	2,316.31	2,006.96	309.35	7.488		
10,000.00	6,946.84	6,852.84	6,852.84	98.02	237.51	90.16	1,403.67	-277.25	2,387.61	2,078.21	309.40	7.717		
10,100.00	6,947.11	6,853.11	6,853.11	100.70	237.52	90.17	1,403.67	-277.25	2,460.91	2,151.52	309.40	7.954		
10,200.00	6,947.37	6,853.37	6,853.37	103.38	237.53	90.18	1,403.67	-277.25	2,536.04	2,226.68	309.36	8.198		
10,300.00	6,947.64	6,853.64	6,853.64	106.08	237.54	90.19	1,403.67	-277.25	2,612.83	2,303.55	309.28	8.448		
10,400.00	6,947.90	6,853.90	6,853.90	108.78	237.55	90.20	1,403.67	-277.25	2,691.15	2,381.96	309.18	8.704		
10,500.00	6,948.17	6,854.17	6,854.17	111.49	237.56	90.21	1,403.67	-277.25	2,770.86	2,461.80	309.06	8.965		
10,600.00	6,948.44	6,854.44	6,854.44	114.21	237.57	90.22	1,403.67	-277.25	2,851.85	2,542.93	308.92	9.232		
10,700.00	6,948.70	6,854.70	6,854.70	116.94	237.58	90.22	1,403.67	-277.25	2,934.01	2,625.24	308.77	9.502		
10,800.00	6,948.97	6,854.97	6,854.97	119.67	237.58	90.23	1,403.67	-277.25	3,017.25	2,708.64	308.61	9.777		
10,900.00	6,949.24	6,855.24	6,855.24	122.41	237.59	90.24	1,403.67	-277.25	3,101.49	2,793.04	308.44	10.055		
11,000.00	6,949.50	6,855.50	6,855.50	125.15	237.60	90.25	1,403.67	-277.25	3,186.63	2,878.36	308.27	10.337		
11,100.00	6,949.77	6,855.77	6,855.77	127.90	237.61	90.26	1,403.67	-277.25	3,272.61	2,964.52	308.09	10.622		
11,200.00	6,950.03	6,856.03	6,856.03	130.65	237.62	90.27	1,403.67	-277.25	3,359.37	3,051.46	307.92	10.910		
11,300.00	6,950.30	6,856.30	6,856.30	133.41	237.63	90.28	1,403.67	-277.25	3,446.85	3,139.11	307.74	11.201		
11,400.00	6,950.57	6,856.57	6,856.57	136.17	237.64	90.29	1,403.67	-277.25	3,534.99	3,227.43	307.56	11.494		
11,500.00	6,950.83	6,856.83	6,856.83	138.94	237.65	90.30	1,403.67	-277.25	3,623.75	3,316.36	307.39	11.789		
11,600.00	6,951.10	6,857.10	6,857.10	141.71	237.66	90.31	1,403.67	-277.25	3,713.08	3,405.86	307.21	12.086		
11,700.00	6,951.36	6,857.36	6,857.36	144.48	237.67	90.32	1,403.67	-277.25	3,802.94	3,495.89	307.04	12.386		
11,800.00	6,951.63	6,857.63	6,857.63	147.26	237.68	90.33	1,403.67	-277.25	3,893.29	3,586.42	306.88	12.687		
11,900.00	6,951.90	6,857.90	6,857.90	150.03	237.69	90.34	1,403.67	-277.25	3,984.11	3,677.39	306.71	12.990		
12,000.00	6,952.16	6,858.16	6,858.16	152.82	237.70	90.34	1,403.67	-277.25	4,075.35	3,768.80	306.55	13.294		
12,100.00	6,952.43	6,858.43	6,858.43	155.60	237.71	90.35	1,403.67	-277.25	4,167.00	3,860.60	306.40	13.600		
12,200.00	6,952.69	6,858.69	6,858.69	158.39	237.71	90.36	1,403.67	-277.25	4,259.02	3,952.78	306.25	13.907		
12,300.00	6,952.96	6,858.96	6,858.96	161.18	237.72	90.37	1,403.67	-277.25	4,351.40	4,045.30	306.10	14.216		
12,400.00	6,953.23	6,859.23	6,859.23	163.97	237.73	90.38	1,403.67	-277.25	4,444.10	4,138.15	305.96	14.525		
12,500.00	6,953.49	6,859.49	6,859.49	166.77	237.74	90.39	1,403.67	-277.25	4,537.12	4,231.30	305.82	14.836		
12,600.00	6,953.76	6,859.76	6,859.76	169.56	237.75	90.40	1,403.67	-277.25	4,630.42	4,324.74	305.68	15.148		
12,700.00	6,954.02	6,860.02	6,860.02	172.36	237.76	90.41	1,403.67	-277.25	4,724.00	4,418.45	305.56	15.460		
12,800.00	6,954.29	6,860.29	6,860.29	175.16	237.77	90.42	1,403.67	-277.25	4,817.84	4,512.41	305.43	15.774		
12,900.00	6,954.56	6,860.56	6,860.56	177.97	237.78	90.43	1,403.67	-277.25	4,911.92	4,606.61	305.31	16.088		
13,000.00	6,954.82	6,860.82	6,860.82	180.77	237.79	90.44	1,403.67	-277.25	5,006.23	4,701.04	305.19	16.403		
13,100.00	6,955.09	6,861.09	6,861.09	183.58	237.80	90.45	1,403.67	-277.25	5,100.76	4,795.68	305.08	16.719		
13,200.00	6,955.35	6,861.35	6,861.35	186.38	237.81	90.46	1,403.67	-277.25	5,195.49	4,890.52	304.97	17.036		
13,300.00	6,955.62	6,861.62	6,861.62	189.19	237.82	90.46	1,403.67	-277.25	5,290.42	4,985.55	304.87	17.353		
13,400.00	6,955.89	6,861.89	6,861.89	192.00	237.83	90.47	1,403.67	-277.25	5,385.53	5,080.76	304.77	17.671		
13,500.00	6,956.15	6,862.15	6,862.15	194.82	237.84	90.48	1,403.67	-277.25	5,480.81	5,176.14	304.68	17.989		
13,600.00	6,956.42	6,862.42	6,862.42	197.63	237.84	90.49	1,403.67	-277.25	5,576.26	5,271.68	304.59	18.308		
13,700.00	6,956.68	6,862.68	6,862.68	200.44	237.85	90.50	1,403.67	-277.25	5,671.87	5,367.37	304.50	18.627		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - J.R. #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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,800.00	6,956.95	6,862.95	6,862.95	203.26	237.86	90.51	1,403.67	-277.25	5,767.62	5,463.21	304.41	18.947		
13,900.00	6,957.22	6,863.22	6,863.22	206.08	237.87	90.52	1,403.67	-277.25	5,863.52	5,559.19	304.33	19.267		
14,000.00	6,957.48	6,863.48	6,863.48	208.89	237.88	90.53	1,403.67	-277.25	5,959.55	5,655.29	304.26	19.587		
14,100.00	6,957.75	6,863.75	6,863.75	211.71	237.89	90.54	1,403.67	-277.25	6,055.71	5,751.53	304.18	19.908		
14,200.00	6,958.02	6,864.02	6,864.02	214.53	237.90	90.55	1,403.67	-277.25	6,151.99	5,847.88	304.11	20.229		
14,300.00	6,958.28	6,864.28	6,864.28	217.36	237.91	90.56	1,403.67	-277.25	6,248.39	5,944.34	304.05	20.551		
14,400.00	6,958.55	6,864.55	6,864.55	220.18	237.92	90.57	1,403.67	-277.25	6,344.90	6,040.92	303.98	20.872		
14,500.00	6,958.81	6,864.81	6,864.81	223.00	237.93	90.58	1,403.67	-277.25	6,441.52	6,137.59	303.92	21.194		
14,600.00	6,959.08	6,865.08	6,865.08	225.83	237.94	90.58	1,403.67	-277.25	6,538.24	6,234.37	303.87	21.517		
14,700.00	6,959.35	6,865.35	6,865.35	228.65	237.95	90.59	1,403.67	-277.25	6,635.05	6,331.24	303.81	21.839		
14,800.00	6,959.61	6,865.61	6,865.61	231.48	237.96	90.60	1,403.67	-277.25	6,731.96	6,428.20	303.76	22.162		
14,900.00	6,959.88	6,865.88	6,865.88	234.30	237.97	90.61	1,403.67	-277.25	6,828.96	6,525.25	303.71	22.485		
15,000.00	6,960.14	6,866.14	6,866.14	237.13	237.97	90.62	1,403.67	-277.25	6,926.04	6,622.37	303.67	22.808		
15,100.00	6,960.41	6,866.41	6,866.41	239.96	237.98	90.63	1,403.67	-277.25	7,023.21	6,719.58	303.63	23.131		
15,200.00	6,960.68	6,866.68	6,866.68	242.79	237.99	90.64	1,403.67	-277.25	7,120.45	6,816.87	303.59	23.454		
15,300.00	6,960.94	6,866.94	6,866.94	245.62	238.00	90.65	1,403.67	-277.25	7,217.77	6,914.22	303.55	23.778		
15,400.00	6,961.21	6,867.21	6,867.21	248.45	238.01	90.66	1,403.67	-277.25	7,315.16	7,011.65	303.52	24.101		
15,500.00	6,961.47	6,867.47	6,867.47	251.28	238.02	90.67	1,403.67	-277.25	7,412.62	7,109.14	303.48	24.425		
15,600.00	6,961.74	6,867.74	6,867.74	254.11	238.03	90.68	1,403.67	-277.25	7,510.15	7,206.70	303.45	24.749		
15,700.00	6,962.01	6,868.01	6,868.01	256.94	238.04	90.69	1,403.67	-277.25	7,607.74	7,304.32	303.43	25.073		
15,800.00	6,962.27	6,868.27	6,868.27	259.77	238.05	90.70	1,403.67	-277.25	7,705.40	7,402.00	303.40	25.397		
15,900.00	6,962.54	6,868.54	6,868.54	262.61	238.06	90.71	1,403.67	-277.25	7,803.11	7,499.73	303.38	25.721		
16,000.00	6,962.80	6,868.80	6,868.80	265.44	238.07	90.71	1,403.67	-277.25	7,900.88	7,597.52	303.36	26.045		
16,100.00	6,963.07	6,869.07	6,869.07	268.28	238.08	90.72	1,403.67	-277.25	7,998.71	7,695.37	303.34	26.369		
16,200.00	6,963.34	6,869.34	6,869.34	271.11	238.09	90.73	1,403.67	-277.25	8,096.58	7,793.26	303.32	26.693		
16,300.00	6,963.60	6,869.60	6,869.60	273.95	238.10	90.74	1,403.67	-277.25	8,194.51	7,891.21	303.31	27.017		
16,400.00	6,963.87	6,869.87	6,869.87	276.78	238.10	90.75	1,403.67	-277.25	8,292.49	7,989.20	303.30	27.341		
16,500.00	6,964.13	6,870.13	6,870.13	279.62	238.11	90.76	1,403.67	-277.25	8,390.52	8,087.23	303.29	27.665		
16,600.00	6,964.40	6,870.40	6,870.40	282.46	238.12	90.77	1,403.67	-277.25	8,488.59	8,185.31	303.28	27.989		
16,700.00	6,964.67	6,870.67	6,870.67	285.29	238.13	90.78	1,403.67	-277.25	8,586.71	8,283.44	303.27	28.313		
16,800.00	6,964.93	6,870.93	6,870.93	288.13	238.14	90.79	1,403.67	-277.25	8,684.87	8,381.60	303.27	28.638		
16,900.00	6,965.20	6,871.20	6,871.20	290.97	238.15	90.80	1,403.67	-277.25	8,783.07	8,479.81	303.27	28.962		
17,000.00	6,965.46	6,871.46	6,871.46	293.81	238.16	90.81	1,403.67	-277.25	8,881.31	8,578.05	303.27	29.286		
17,100.00	6,965.73	6,871.73	6,871.73	296.65	238.17	90.82	1,403.67	-277.25	8,979.59	8,676.33	303.27	29.610		
17,200.00	6,966.00	6,872.00	6,872.00	299.49	238.18	90.83	1,403.67	-277.25	9,077.91	8,774.64	303.27	29.933		
17,300.00	6,966.26	6,872.26	6,872.26	302.32	238.19	90.83	1,403.67	-277.25	9,176.27	8,872.99	303.27	30.257		
17,400.00	6,966.53	6,872.53	6,872.53	305.16	238.20	90.84	1,403.67	-277.25	9,274.66	8,971.38	303.28	30.581		
17,500.00	6,966.80	6,872.80	6,872.80	308.00	238.21	90.85	1,403.67	-277.25	9,373.08	9,069.79	303.29	30.905		
17,600.00	6,967.06	6,873.06	6,873.06	310.85	238.22	90.86	1,403.67	-277.25	9,471.54	9,168.24	303.30	31.228		
17,700.00	6,967.33	6,873.33	6,873.33	313.69	238.23	90.87	1,403.67	-277.25	9,570.03	9,266.72	303.31	31.552		
17,800.00	6,967.59	6,873.59	6,873.59	316.53	238.23	90.88	1,403.67	-277.25	9,668.55	9,365.22	303.32	31.875		
17,900.00	6,967.86	6,873.86	6,873.86	319.37	238.24	90.89	1,403.67	-277.25	9,767.10	9,463.76	303.34	32.199		
18,000.00	6,968.13	6,874.13	6,874.13	322.21	238.25	90.90	1,403.67	-277.25	9,865.68	9,562.32	303.35	32.522		
18,100.00	6,968.39	6,874.39	6,874.39	325.05	238.26	90.91	1,403.67	-277.25	9,964.28	9,660.91	303.37	32.845		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-127.42	-2,340.12	-3,058.53	3,851.10					
100.00	100.00	77.37	77.37	3.28	3.28	-127.42	-2,340.24	-3,058.54	3,851.17	3,844.60	6.57	586.271		
200.00	200.00	218.64	218.63	3.34	3.36	-127.43	-2,340.45	-3,057.84	3,850.87	3,844.17	6.70	575.060		
230.89	230.89	244.98	244.98	3.36	3.38	132.57	-2,340.37	-3,057.64	3,850.74	3,843.99	6.75	570.552		
300.00	299.98	303.59	303.58	3.44	3.46	132.58	-2,340.03	-3,057.46	3,851.39	3,844.50	6.90	558.414		
400.00	399.84	381.90	381.89	3.60	3.57	132.58	-2,339.69	-3,057.55	3,854.76	3,847.59	7.17	537.515		
500.00	499.45	519.74	519.73	3.80	3.85	132.63	-2,339.19	-3,057.16	3,860.21	3,852.56	7.65	504.803		
600.00	598.70	588.31	588.30	4.05	4.01	132.61	-2,338.90	-3,056.96	3,868.01	3,859.95	8.05	480.213		
700.00	697.47	722.32	722.31	4.33	4.36	132.70	-2,338.12	-3,056.50	3,878.02	3,869.33	8.70	445.978		
803.50	799.05	800.00	799.98	4.67	4.59	132.67	-2,337.52	-3,056.34	3,890.92	3,881.67	9.26	420.389		
900.00	893.41	910.80	910.78	5.02	4.93	132.93	-2,337.11	-3,055.92	3,904.30	3,894.37	9.94	392.883		
1,000.00	991.20	999.80	999.78	5.41	5.22	133.12	-2,337.03	-3,055.26	3,918.09	3,907.49	10.60	369.688		
1,100.00	1,088.99	1,091.43	1,091.40	5.81	5.53	133.32	-2,336.99	-3,054.73	3,932.08	3,920.78	11.30	348.041		
1,200.00	1,186.78	1,182.99	1,182.97	6.23	5.85	133.53	-2,336.99	-3,054.35	3,946.28	3,934.26	12.02	328.267		
1,300.00	1,284.57	1,274.50	1,274.47	6.67	6.18	133.73	-2,337.02	-3,054.12	3,960.70	3,947.93	12.77	310.268		
1,400.00	1,382.36	1,365.95	1,365.92	7.12	6.51	133.93	-2,337.10	-3,054.05	3,975.33	3,961.80	13.53	293.908		
1,500.00	1,480.15	1,457.33	1,457.30	7.57	6.85	134.13	-2,337.21	-3,054.13	3,990.17	3,975.87	14.30	279.038		
1,600.00	1,577.94	1,561.77	1,561.75	8.03	7.25	134.35	-2,337.19	-3,054.41	4,005.14	3,990.00	15.14	264.590		
1,700.00	1,675.73	1,684.60	1,684.57	8.50	7.72	134.63	-2,336.25	-3,054.71	4,019.73	4,003.67	16.06	250.282		
1,800.00	1,773.52	1,785.62	1,785.59	8.98	8.11	134.85	-2,335.54	-3,054.41	4,033.97	4,017.06	16.91	238.597		
1,900.00	1,871.31	1,882.91	1,882.88	9.45	8.50	135.06	-2,334.97	-3,054.05	4,048.27	4,030.52	17.75	228.127		
2,000.00	1,969.10	1,980.24	1,980.20	9.94	8.88	135.28	-2,334.24	-3,053.81	4,062.64	4,044.05	18.59	218.527		
2,100.00	2,066.88	2,071.25	2,071.20	10.42	9.24	135.47	-2,333.67	-3,053.59	4,077.14	4,057.72	19.42	209.999		
2,200.00	2,164.67	2,167.93	2,167.89	10.91	9.63	135.68	-2,333.17	-3,053.45	4,091.82	4,071.56	20.27	201.890		
2,300.00	2,262.46	2,293.55	2,293.49	11.40	10.14	135.96	-2,331.21	-3,053.73	4,106.32	4,085.07	21.25	193.244		
2,400.00	2,360.25	2,429.76	2,429.66	11.89	10.69	136.27	-2,328.06	-3,053.12	4,119.87	4,097.59	22.28	184.894		
2,500.00	2,458.04	2,524.00	2,523.88	12.39	11.08	136.48	-2,326.03	-3,052.15	4,133.13	4,110.00	23.14	178.630		
2,600.00	2,555.83	2,602.02	2,601.88	12.88	11.40	136.65	-2,324.21	-3,051.76	4,146.79	4,122.86	23.92	173.325		
2,700.00	2,653.62	2,692.68	2,692.51	13.38	11.77	136.86	-2,322.11	-3,051.65	4,160.82	4,136.05	24.77	167.986		
2,800.00	2,751.41	2,802.35	2,802.15	13.88	12.22	137.10	-2,319.82	-3,051.29	4,174.87	4,149.18	25.70	162.453		
2,900.00	2,849.20	2,878.39	2,878.18	14.38	12.54	137.26	-2,318.34	-3,051.08	4,189.09	4,162.61	26.48	158.194		
3,000.00	2,946.99	2,974.27	2,974.05	14.88	12.93	137.46	-2,317.04	-3,050.83	4,203.69	4,176.34	27.35	153.687		
3,100.00	3,044.78	3,048.43	3,048.20	15.38	13.24	137.61	-2,316.73	-3,050.32	4,218.50	4,190.37	28.13	149.987		
3,200.00	3,142.57	3,118.55	3,118.33	15.89	13.53	137.74	-2,316.77	-3,050.29	4,234.08	4,205.20	28.88	146.612		
3,300.00	3,240.36	3,200.00	3,199.78	16.39	13.87	137.90	-2,316.61	-3,050.66	4,250.04	4,220.36	29.68	143.174		
3,400.00	3,338.15	3,270.32	3,270.10	16.89	14.16	138.04	-2,316.77	-3,051.22	4,266.57	4,236.13	30.44	140.177		
3,500.00	3,435.93	3,378.79	3,378.55	17.40	14.61	138.24	-2,318.08	-3,052.17	4,283.68	4,252.31	31.37	136.553		
3,600.00	3,533.72	3,455.41	3,455.16	17.90	14.93	138.38	-2,318.74	-3,052.75	4,300.58	4,268.43	32.15	133.757		
3,700.00	3,631.51	3,553.25	3,552.99	18.41	15.34	138.56	-2,319.90	-3,054.08	4,318.14	4,285.11	33.04	130.708		
3,800.00	3,729.30	3,716.30	3,716.03	18.92	16.02	138.85	-2,321.07	-3,054.74	4,334.71	4,300.47	34.23	126.620		
3,900.00	3,827.09	3,786.94	3,786.67	19.42	16.31	138.98	-2,321.14	-3,055.06	4,351.01	4,316.02	34.99	124.344		
4,000.00	3,924.88	3,891.25	3,890.98	19.93	16.75	139.17	-2,321.52	-3,055.54	4,367.54	4,331.63	35.91	121.622		
4,100.00	4,022.67	4,000.73	4,000.46	20.44	17.21	139.36	-2,321.86	-3,055.74	4,383.86	4,347.00	36.86	118.947		
4,200.00	4,120.46	4,110.33	4,110.06	20.95	17.67	139.56	-2,322.15	-3,055.64	4,399.95	4,362.15	37.80	116.395		
4,300.00	4,218.25	4,220.06	4,219.79	21.46	18.13	139.75	-2,322.39	-3,055.23	4,415.82	4,377.07	38.75	113.958		
4,400.00	4,316.04	4,329.92	4,329.64	21.97	18.59	139.94	-2,322.57	-3,054.52	4,431.46	4,391.76	39.70	111.629		
4,500.00	4,413.83	4,439.89	4,439.61	22.48	19.05	140.12	-2,322.69	-3,053.49	4,446.88	4,406.23	40.65	109.400		
4,600.00	4,511.62	4,500.00	4,499.72	22.99	19.30	140.23	-2,322.66	-3,053.44	4,462.83	4,421.48	41.36	107.911		
4,700.00	4,609.41	4,600.00	4,599.72	23.50	19.72	140.40	-2,322.49	-3,053.11	4,478.71	4,436.45	42.26	105.983		
4,800.00	4,707.20	4,669.47	4,669.19	24.01	20.02	140.52	-2,322.44	-3,053.07	4,494.98	4,451.97	43.01	104.510		
4,900.00	4,804.98	4,772.26	4,771.97	24.52	20.45	140.70	-2,322.40	-3,053.99	4,512.06	4,468.13	43.93	102.720		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,868.03	4,867.74	25.03	20.85	140.88	-2,321.70	-3,054.71	4,528.72	4,483.91	44.81	101.073		
5,100.00	5,000.56	4,998.48	4,998.17	25.54	21.41	141.12	-2,320.45	-3,055.78	4,545.42	4,499.56	45.86	99.114		
5,200.00	5,098.35	5,063.69	5,063.39	26.05	21.68	141.23	-2,320.19	-3,055.98	4,561.94	4,515.36	46.59	97.918		
5,300.00	5,196.14	5,178.80	5,178.49	26.56	22.17	141.43	-2,319.96	-3,056.80	4,578.99	4,531.42	47.57	96.262		
5,400.00	5,293.93	5,262.28	5,261.97	27.07	22.52	141.57	-2,319.76	-3,056.99	4,595.60	4,547.22	48.39	94.974		
5,500.00	5,391.72	5,398.85	5,398.53	27.58	23.10	141.81	-2,318.85	-3,057.85	4,612.50	4,563.02	49.47	93.229		
5,600.00	5,489.51	5,474.39	5,474.07	28.09	23.42	141.94	-2,318.04	-3,058.08	4,628.87	4,578.61	50.26	92.107		
5,700.00	5,587.30	5,567.39	5,567.05	28.61	23.81	142.11	-2,316.73	-3,058.92	4,645.64	4,594.52	51.12	90.872		
5,800.00	5,685.09	5,652.33	5,651.99	29.12	24.17	142.26	-2,315.52	-3,059.74	4,662.51	4,610.56	51.95	89.751		
5,900.00	5,782.88	5,753.94	5,753.59	29.63	24.60	142.44	-2,314.60	-3,060.80	4,679.73	4,626.87	52.86	88.530		
6,000.00	5,880.67	5,886.52	5,886.15	30.14	25.17	142.67	-2,312.89	-3,061.57	4,696.39	4,642.46	53.93	87.083		
6,100.00	5,978.46	5,976.04	5,975.66	30.65	25.55	142.82	-2,312.01	-3,061.63	4,712.80	4,658.02	54.78	86.030		
6,200.00	6,076.25	6,072.76	6,072.38	31.17	25.96	142.98	-2,311.09	-3,061.89	4,729.43	4,673.76	55.67	84.958		
6,298.86	6,172.92	6,202.65	6,202.27	31.67	26.51	143.19	-2,310.69	-3,061.36	4,745.61	4,688.89	56.72	83.668		
6,300.00	6,174.03	6,204.28	6,203.89	31.68	26.51	143.11	-2,310.68	-3,061.35	4,745.79	4,689.06	56.73	83.652		
6,350.00	6,223.30	6,231.76	6,231.37	31.92	26.63	137.25	-2,310.50	-3,061.24	4,752.08	4,695.02	57.06	83.281		
6,400.00	6,273.06	6,262.00	6,261.61	32.13	26.76	116.00	-2,310.33	-3,061.24	4,755.06	4,697.67	57.38	82.862		
6,450.00	6,323.01	6,300.00	6,299.61	32.32	26.92	25.59	-2,310.14	-3,061.42	4,754.73	4,697.01	57.72	82.373		
6,500.00	6,372.84	6,373.72	6,373.33	32.48	27.23	-6.81	-2,309.68	-3,061.71	4,750.86	4,692.64	58.22	81.603		
6,550.00	6,422.24	6,424.25	6,423.86	32.65	27.45	-14.89	-2,309.26	-3,061.66	4,743.19	4,684.60	58.59	80.962		
6,600.00	6,470.92	6,456.96	6,456.57	32.83	27.59	-18.67	-2,309.10	-3,061.68	4,732.21	4,673.36	58.85	80.409		
6,650.00	6,518.56	6,489.02	6,488.63	33.01	27.72	-21.12	-2,309.06	-3,061.76	4,718.01	4,658.90	59.11	79.822		
6,700.00	6,564.89	6,548.46	6,548.07	33.21	27.98	-23.15	-2,309.09	-3,061.94	4,700.57	4,641.07	59.50	79.004		
6,750.00	6,609.60	6,620.34	6,619.95	33.43	28.28	-25.09	-2,308.89	-3,061.85	4,679.72	4,619.77	59.95	78.064		
6,800.00	6,652.43	6,638.64	6,638.25	33.66	28.36	-26.94	-2,308.92	-3,061.86	4,655.89	4,595.77	60.12	77.446		
6,850.00	6,693.10	6,747.24	6,652.37	33.91	28.82	-28.89	-2,308.81	-3,061.80	4,629.20	4,568.53	60.67	76.307		
6,900.00	6,731.38	6,708.87	6,690.74	34.20	28.66	-31.17	-2,309.11	-3,061.90	4,600.04	4,539.43	60.61	75.892		
6,950.00	6,767.02	6,726.88	6,726.48	34.51	28.73	-33.79	-2,309.39	-3,061.99	4,568.36	4,507.56	60.80	75.136		
7,000.00	6,799.81	6,759.77	6,759.37	34.85	28.87	-36.82	-2,309.65	-3,062.08	4,534.36	4,473.30	61.06	74.266		
7,050.00	6,829.54	6,789.61	6,789.21	35.24	29.00	-40.35	-2,309.88	-3,062.15	4,498.27	4,436.97	61.30	73.378		
7,100.00	6,856.03	6,816.21	6,815.82	35.66	29.11	-44.48	-2,310.09	-3,062.22	4,460.32	4,398.78	61.54	72.473		
7,150.00	6,879.11	6,839.41	6,839.02	36.12	29.21	-49.31	-2,310.27	-3,062.28	4,420.77	4,358.99	61.78	71.554		
7,200.00	6,898.65	6,859.07	6,858.68	36.62	29.29	-54.92	-2,310.42	-3,062.33	4,379.88	4,317.86	62.02	70.622		
7,250.00	6,914.51	6,875.07	6,874.67	37.15	29.36	-61.34	-2,310.55	-3,062.37	4,337.90	4,275.64	62.25	69.680		
7,300.00	6,926.62	6,887.30	6,886.90	37.73	29.41	-68.52	-2,310.64	-3,062.40	4,295.11	4,232.62	62.49	68.732		
7,350.00	6,934.88	6,895.69	6,895.30	38.34	29.45	-76.28	-2,310.71	-3,062.42	4,251.79	4,189.06	62.73	67.780		
7,400.00	6,939.26	6,900.20	6,899.80	38.97	29.47	-84.34	-2,310.74	-3,062.43	4,208.22	4,145.25	62.97	66.829		
7,429.12	6,940.00	6,901.02	6,900.62	39.34	29.47	-89.02	-2,310.75	-3,062.44	4,182.83	4,119.72	63.11	66.277		
7,500.00	6,940.19	6,901.39	6,900.99	40.31	29.47	-89.03	-2,310.75	-3,062.44	4,121.25	4,057.77	63.48	64.924		
7,600.00	6,940.46	6,901.91	6,901.51	41.80	29.47	-89.05	-2,310.76	-3,062.44	4,034.89	3,970.81	64.08	62.970		
7,700.00	6,940.72	6,902.43	6,902.04	43.43	29.48	-89.06	-2,310.76	-3,062.44	3,949.16	3,884.39	64.77	60.969		
7,800.00	6,940.99	6,902.96	6,902.56	45.19	29.48	-89.08	-2,310.76	-3,062.44	3,864.13	3,798.55	65.58	58.925		
7,900.00	6,941.25	6,903.48	6,903.08	47.05	29.48	-89.09	-2,310.77	-3,062.44	3,779.82	3,713.33	66.49	56.846		
8,000.00	6,941.52	6,904.00	6,903.61	49.02	29.48	-89.11	-2,310.77	-3,062.44	3,696.30	3,628.78	67.53	54.739		
8,100.00	6,941.79	6,904.53	6,904.13	51.06	29.49	-89.12	-2,310.78	-3,062.44	3,613.62	3,544.94	68.68	52.614		
8,200.00	6,942.05	6,905.05	6,904.65	53.18	29.49	-89.13	-2,310.78	-3,062.45	3,531.83	3,461.86	69.97	50.479		
8,300.00	6,942.32	6,905.57	6,905.18	55.37	29.49	-89.15	-2,310.79	-3,062.45	3,451.00	3,379.62	71.38	48.345		
8,400.00	6,942.58	6,906.10	6,905.70	57.62	29.49	-89.16	-2,310.79	-3,062.45	3,371.20	3,298.26	72.94	46.220		
8,500.00	6,942.85	6,906.62	6,906.22	59.92	29.49	-89.18	-2,310.79	-3,062.45	3,292.50	3,217.87	74.63	44.115		
8,600.00	6,943.12	6,907.14	6,906.75	62.26	29.50	-89.19	-2,310.80	-3,062.45	3,214.99	3,138.51	76.48	42.039		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	6,907.67	6,907.27	64.65	29.50	-89.21	-2,310.80	-3,062.45	3,138.75	3,060.28	78.47	40.001		
8,800.00	6,943.65	6,908.19	6,907.79	67.08	29.50	-89.22	-2,310.81	-3,062.45	3,063.87	2,983.26	80.61	38.008		
8,900.00	6,943.91	6,908.71	6,908.32	69.53	29.50	-89.24	-2,310.81	-3,062.46	2,990.47	2,907.56	82.91	36.070		
9,000.00	6,944.18	6,909.24	6,908.84	72.02	29.51	-89.25	-2,310.81	-3,062.46	2,918.64	2,833.28	85.36	34.192		
9,100.00	6,944.45	6,909.76	6,909.36	74.54	29.51	-89.27	-2,310.82	-3,062.46	2,848.52	2,760.55	87.97	32.380		
9,200.00	6,944.71	6,910.28	6,909.89	77.07	29.51	-89.28	-2,310.82	-3,062.46	2,780.22	2,689.48	90.74	30.640		
9,300.00	6,944.98	6,910.81	6,910.41	79.63	29.51	-89.30	-2,310.83	-3,062.46	2,713.89	2,620.23	93.66	28.976		
9,400.00	6,945.24	6,911.33	6,910.93	82.21	29.51	-89.31	-2,310.83	-3,062.46	2,649.68	2,552.94	96.74	27.391		
9,500.00	6,945.51	6,911.85	6,911.46	84.81	29.52	-89.32	-2,310.83	-3,062.46	2,587.73	2,487.77	99.96	25.887		
9,600.00	6,945.78	6,912.38	6,911.98	87.43	29.52	-89.34	-2,310.84	-3,062.46	2,528.23	2,424.90	103.33	24.468		
9,700.00	6,946.04	6,912.90	6,912.50	90.05	29.52	-89.35	-2,310.84	-3,062.47	2,471.34	2,364.52	106.82	23.135		
9,800.00	6,946.31	6,913.42	6,913.03	92.70	29.52	-89.37	-2,310.85	-3,062.47	2,417.25	2,306.81	110.44	21.887		
9,900.00	6,946.57	6,913.95	6,913.55	95.35	29.53	-89.38	-2,310.85	-3,062.47	2,366.15	2,251.98	114.17	20.725		
10,000.00	6,946.84	6,914.47	6,914.07	98.02	29.53	-89.40	-2,310.85	-3,062.47	2,318.24	2,200.26	117.98	19.649		
10,100.00	6,947.11	6,914.99	6,914.60	100.70	29.53	-89.41	-2,310.86	-3,062.47	2,273.72	2,151.86	121.86	18.659		
10,200.00	6,947.37	6,915.52	6,915.12	103.38	29.53	-89.43	-2,310.86	-3,062.47	2,232.80	2,107.02	125.78	17.752		
10,300.00	6,947.64	6,916.04	6,915.64	106.08	29.53	-89.44	-2,310.87	-3,062.47	2,195.67	2,065.96	129.71	16.928		
10,400.00	6,947.90	6,916.56	6,916.17	108.78	29.54	-89.46	-2,310.87	-3,062.48	2,162.53	2,028.91	133.62	16.184		
10,500.00	6,948.17	6,917.09	6,916.69	111.49	29.54	-89.47	-2,310.88	-3,062.48	2,133.57	1,996.09	137.48	15.520		
10,600.00	6,948.44	6,917.61	6,917.21	114.21	29.54	-89.48	-2,310.88	-3,062.48	2,108.95	1,967.71	141.24	14.932		
10,700.00	6,948.70	6,918.13	6,917.74	116.94	29.54	-89.50	-2,310.88	-3,062.48	2,088.84	1,943.96	144.88	14.418		
10,800.00	6,948.97	6,918.66	6,918.26	119.67	29.55	-89.51	-2,310.89	-3,062.48	2,073.36	1,925.01	148.35	13.977		
10,900.00	6,949.24	6,919.18	6,918.78	122.41	29.55	-89.53	-2,310.89	-3,062.48	2,062.62	1,911.00	151.61	13.604		
11,000.00	6,949.50	6,919.70	6,919.31	125.15	29.55	-89.54	-2,310.90	-3,062.48	2,056.69	1,902.04	154.65	13.299		
11,072.16	6,949.69	6,920.08	6,919.68	127.13	29.55	-89.55	-2,310.90	-3,062.48	2,055.42	1,898.74	156.68	13.119 CC		
11,100.00	6,949.77	6,920.23	6,919.83	127.90	29.55	-89.56	-2,310.90	-3,062.48	2,055.61	1,898.18	157.43	13.058 ES		
11,200.00	6,950.03	6,920.75	6,920.35	130.65	29.55	-89.57	-2,310.90	-3,062.49	2,059.39	1,899.47	159.92	12.878		
11,300.00	6,950.30	6,921.27	6,920.88	133.41	29.56	-89.59	-2,310.91	-3,062.49	2,068.01	1,905.89	162.12	12.756		
11,400.00	6,950.57	6,921.80	6,921.40	136.17	29.56	-89.60	-2,310.91	-3,062.49	2,081.40	1,917.40	164.00	12.691		
11,500.00	6,950.83	6,922.32	6,921.92	138.94	29.56	-89.62	-2,310.92	-3,062.49	2,099.48	1,933.89	165.59	12.679 SF		
11,600.00	6,951.10	6,922.85	6,922.45	141.71	29.56	-89.63	-2,310.92	-3,062.49	2,122.11	1,955.25	166.86	12.718		
11,700.00	6,951.36	6,923.37	6,922.97	144.48	29.57	-89.65	-2,310.92	-3,062.49	2,149.17	1,981.33	167.84	12.805		
11,800.00	6,951.63	6,923.89	6,923.49	147.26	29.57	-89.66	-2,310.93	-3,062.49	2,180.48	2,011.94	168.54	12.937		
11,900.00	6,951.90	6,924.42	6,924.02	150.03	29.57	-89.67	-2,310.93	-3,062.50	2,215.87	2,046.88	168.98	13.113		
12,000.00	6,952.16	6,924.94	6,924.54	152.82	29.57	-89.69	-2,310.94	-3,062.50	2,255.13	2,085.95	169.18	13.330		
12,100.00	6,952.43	6,925.46	6,925.06	155.60	29.57	-89.70	-2,310.94	-3,062.50	2,298.08	2,128.92	169.16	13.585		
12,200.00	6,952.69	6,925.99	6,925.59	158.39	29.58	-89.72	-2,310.94	-3,062.50	2,344.51	2,175.56	168.95	13.877		
12,300.00	6,952.96	6,926.51	6,926.11	161.18	29.58	-89.73	-2,310.95	-3,062.50	2,394.22	2,225.66	168.57	14.203		
12,400.00	6,953.23	6,927.03	6,926.63	163.97	29.58	-89.75	-2,310.95	-3,062.50	2,447.01	2,278.98	168.04	14.562		
12,500.00	6,953.49	6,927.56	6,927.16	166.77	29.58	-89.76	-2,310.96	-3,062.50	2,502.69	2,335.30	167.38	14.952		
12,600.00	6,953.76	6,928.08	6,927.68	169.56	29.59	-89.78	-2,310.96	-3,062.50	2,561.05	2,394.44	166.62	15.371		
12,700.00	6,954.02	6,928.60	6,928.20	172.36	29.59	-89.79	-2,310.96	-3,062.51	2,621.94	2,456.17	165.77	15.817		
12,800.00	6,954.29	6,929.13	6,928.73	175.16	29.59	-89.81	-2,310.97	-3,062.51	2,685.17	2,520.32	164.84	16.289		
12,900.00	6,954.56	6,929.65	6,929.25	177.97	29.59	-89.82	-2,310.97	-3,062.51	2,750.58	2,586.71	163.87	16.785		
13,000.00	6,954.82	6,930.17	6,929.77	180.77	29.59	-89.83	-2,310.98	-3,062.51	2,818.02	2,655.17	162.85	17.305		
13,100.00	6,955.09	6,930.70	6,930.30	183.58	29.60	-89.85	-2,310.98	-3,062.51	2,887.35	2,725.56	161.79	17.846		
13,200.00	6,955.35	6,931.22	6,930.82	186.38	29.60	-89.86	-2,310.99	-3,062.51	2,958.44	2,797.72	160.72	18.407		
13,300.00	6,955.62	6,931.74	6,931.34	189.19	29.60	-89.88	-2,310.99	-3,062.51	3,031.16	2,871.52	159.63	18.988		
13,400.00	6,955.89	6,932.27	6,931.87	192.00	29.60	-89.89	-2,310.99	-3,062.52	3,105.39	2,946.85	158.54	19.587		
13,500.00	6,956.15	6,932.79	6,932.39	194.82	29.61	-89.91	-2,311.00	-3,062.52	3,181.04	3,023.59	157.45	20.204		
13,600.00	6,956.42	6,933.31	6,932.91	197.63	29.61	-89.92	-2,311.00	-3,062.52	3,258.00	3,101.64	156.36	20.836		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,933.84	6,933.44	200.44	29.61	-89.94	-2,311.01	-3,062.52	3,336.18	3,180.90	155.28	21.484		
13,800.00	6,956.95	6,934.36	6,933.96	203.26	29.61	-89.95	-2,311.01	-3,062.52	3,415.51	3,261.29	154.22	22.147		
13,900.00	6,957.22	6,934.88	6,934.48	206.08	29.61	-89.97	-2,311.01	-3,062.52	3,495.89	3,342.72	153.17	22.823		
14,000.00	6,957.48	6,935.41	6,935.01	208.89	29.62	-89.98	-2,311.02	-3,062.52	3,577.26	3,425.12	152.14	23.513		
14,100.00	6,957.75	6,935.93	6,935.53	211.71	29.62	-90.00	-2,311.02	-3,062.52	3,659.55	3,508.42	151.13	24.215		
14,200.00	6,958.02	6,936.45	6,936.05	214.53	29.62	-90.01	-2,311.03	-3,062.53	3,742.71	3,592.57	150.14	24.928		
14,300.00	6,958.28	6,936.98	6,936.58	217.36	29.62	-90.02	-2,311.03	-3,062.53	3,826.67	3,677.50	149.17	25.652		
14,400.00	6,958.55	6,937.50	6,937.10	220.18	29.63	-90.04	-2,311.03	-3,062.53	3,911.39	3,763.16	148.23	26.387		
14,500.00	6,958.81	6,938.02	6,937.62	223.00	29.63	-90.05	-2,311.04	-3,062.53	3,996.82	3,849.51	147.31	27.132		
14,600.00	6,959.08	6,938.55	6,938.15	225.83	29.63	-90.07	-2,311.04	-3,062.53	4,082.90	3,936.49	146.41	27.887		
14,700.00	6,959.35	6,939.07	6,938.67	228.65	29.63	-90.08	-2,311.05	-3,062.53	4,169.61	4,024.07	145.54	28.650		
14,800.00	6,959.61	6,939.59	6,939.19	231.48	29.63	-90.10	-2,311.05	-3,062.53	4,256.90	4,112.21	144.69	29.422		
14,900.00	6,959.88	6,940.12	6,939.72	234.30	29.64	-90.11	-2,311.05	-3,062.54	4,344.74	4,200.88	143.86	30.201		
15,000.00	6,960.14	6,940.64	6,940.24	237.13	29.64	-90.13	-2,311.06	-3,062.54	4,433.09	4,290.03	143.05	30.989		
15,100.00	6,960.41	6,941.16	6,940.76	239.96	29.64	-90.14	-2,311.06	-3,062.54	4,521.93	4,379.65	142.27	31.783		
15,200.00	6,960.68	6,941.69	6,941.29	242.79	29.64	-90.16	-2,311.07	-3,062.54	4,611.22	4,469.71	141.51	32.585		
15,300.00	6,960.94	6,942.21	6,941.81	245.62	29.65	-90.17	-2,311.07	-3,062.54	4,700.95	4,560.17	140.78	33.393		
15,400.00	6,961.21	6,942.73	6,942.33	248.45	29.65	-90.19	-2,311.07	-3,062.54	4,791.08	4,651.02	140.06	34.207		
15,500.00	6,961.47	6,943.26	6,942.86	251.28	29.65	-90.20	-2,311.08	-3,062.54	4,881.60	4,742.23	139.37	35.027		
15,600.00	6,961.74	6,943.78	6,943.38	254.11	29.65	-90.21	-2,311.08	-3,062.54	4,972.48	4,833.79	138.69	35.853		
15,700.00	6,962.01	6,944.30	6,943.90	256.94	29.65	-90.23	-2,311.09	-3,062.55	5,063.70	4,925.67	138.04	36.684		
15,800.00	6,962.27	6,944.83	6,944.43	259.77	29.66	-90.24	-2,311.09	-3,062.55	5,155.25	5,017.85	137.40	37.520		
15,900.00	6,962.54	6,945.35	6,944.95	262.61	29.66	-90.26	-2,311.10	-3,062.55	5,247.11	5,110.33	136.78	38.361		
16,000.00	6,962.80	6,945.87	6,945.47	265.44	29.66	-90.27	-2,311.10	-3,062.55	5,339.26	5,203.08	136.19	39.206		
16,100.00	6,963.07	6,946.40	6,946.00	268.28	29.66	-90.29	-2,311.10	-3,062.55	5,431.69	5,296.09	135.60	40.055		
16,200.00	6,963.34	6,946.92	6,946.52	271.11	29.67	-90.30	-2,311.11	-3,062.55	5,524.38	5,389.34	135.04	40.909		
16,300.00	6,963.60	6,947.44	6,947.04	273.95	29.67	-90.32	-2,311.11	-3,062.55	5,617.33	5,482.83	134.49	41.767		
16,400.00	6,963.87	6,947.97	6,947.57	276.78	29.67	-90.33	-2,311.12	-3,062.56	5,710.51	5,576.54	133.96	42.628		
16,500.00	6,964.13	6,948.49	6,948.09	279.62	29.67	-90.35	-2,311.12	-3,062.56	5,803.91	5,670.47	133.45	43.493		
16,600.00	6,964.40	6,949.01	6,948.61	282.46	29.67	-90.36	-2,311.12	-3,062.56	5,897.54	5,764.59	132.95	44.361		
16,700.00	6,964.67	6,949.54	6,949.14	285.29	29.68	-90.37	-2,311.13	-3,062.56	5,991.37	5,858.91	132.46	45.232		
16,800.00	6,964.93	6,950.06	6,949.66	288.13	29.68	-90.39	-2,311.13	-3,062.56	6,085.40	5,953.41	131.99	46.106		
16,900.00	6,965.20	6,950.58	6,950.18	290.97	29.68	-90.40	-2,311.14	-3,062.56	6,179.61	6,048.08	131.53	46.983		
17,000.00	6,965.46	6,951.11	6,950.71	293.81	29.68	-90.42	-2,311.14	-3,062.56	6,274.00	6,142.92	131.08	47.863		
17,100.00	6,965.73	6,951.63	6,951.23	296.65	29.69	-90.43	-2,311.14	-3,062.56	6,368.57	6,237.92	130.65	48.745		
17,200.00	6,966.00	6,952.15	6,951.75	299.49	29.69	-90.45	-2,311.15	-3,062.57	6,463.30	6,333.06	130.23	49.629		
17,300.00	6,966.26	6,952.68	6,952.28	302.32	29.69	-90.46	-2,311.15	-3,062.57	6,558.18	6,428.36	129.82	50.516		
17,400.00	6,966.53	6,953.20	6,952.80	305.16	29.69	-90.48	-2,311.16	-3,062.57	6,653.21	6,523.79	129.43	51.405		
17,500.00	6,966.80	6,953.72	6,953.32	308.00	29.69	-90.49	-2,311.16	-3,062.57	6,748.39	6,619.35	129.04	52.295		
17,600.00	6,967.06	6,954.25	6,953.85	310.85	29.70	-90.51	-2,311.16	-3,062.57	6,843.71	6,715.04	128.67	53.188		
17,700.00	6,967.33	6,954.77	6,954.37	313.69	29.70	-90.52	-2,311.17	-3,062.57	6,939.15	6,810.85	128.31	54.083		
17,800.00	6,967.59	6,955.29	6,954.89	316.53	29.70	-90.54	-2,311.17	-3,062.57	7,034.73	6,906.77	127.95	54.979		
17,900.00	6,967.86	6,955.82	6,955.42	319.37	29.70	-90.55	-2,311.18	-3,062.58	7,130.42	7,002.81	127.61	55.876		
18,000.00	6,968.13	6,956.34	6,955.94	322.21	29.71	-90.56	-2,311.18	-3,062.58	7,226.23	7,098.96	127.28	56.775		
18,100.00	6,968.39	6,956.86	6,956.46	325.05	29.71	-90.58	-2,311.19	-3,062.58	7,322.16	7,195.20	126.95	57.676		
18,200.00	6,968.66	6,957.39	6,956.99	327.90	29.71	-90.59	-2,311.19	-3,062.58	7,418.19	7,291.55	126.64	58.577		
18,300.00	6,968.92	6,957.91	6,957.51	330.74	29.71	-90.61	-2,311.19	-3,062.58	7,514.32	7,387.99	126.33	59.480		
18,400.00	6,969.19	6,958.43	6,958.03	333.58	29.71	-90.62	-2,311.20	-3,062.58	7,610.56	7,484.52	126.04	60.384		
18,500.00	6,969.46	6,958.96	6,958.56	336.43	29.72	-90.64	-2,311.20	-3,062.58	7,706.89	7,581.14	125.75	61.289		
18,600.00	6,969.72	6,959.48	6,959.08	339.27	29.72	-90.65	-2,311.21	-3,062.58	7,803.31	7,677.84	125.47	62.195		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error: 0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error: 3.28 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
18,704.56	6,970.00	6,960.03	6,959.63	342.24	29.72	-90.67	-2,311.21	-3,062.59	7,904.22	7,779.04	125.18	63.143	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5.51	5.51	3.28	3.28	-121.59	-1,043.68	-1,697.02	1,992.28					
100.00	100.00	115.68	115.68	3.28	3.29	-121.59	-1,043.38	-1,696.85	1,991.99	1,985.42	6.57	302.997		
200.00	200.00	213.86	213.86	3.34	3.35	-121.59	-1,043.30	-1,696.37	1,991.54	1,984.84	6.69	297.620		
216.09	216.09	229.45	229.45	3.35	3.37	138.41	-1,043.32	-1,696.28	1,991.50	1,984.78	6.72	296.373		
300.00	299.98	310.58	310.57	3.44	3.46	138.42	-1,043.45	-1,695.86	1,992.47	1,985.57	6.91	288.467		
400.00	399.84	406.13	406.12	3.60	3.62	138.45	-1,043.70	-1,695.52	1,996.23	1,989.01	7.22	276.673		
500.00	499.45	508.62	508.62	3.80	3.82	138.53	-1,043.87	-1,695.26	2,002.63	1,995.01	7.62	262.665		
600.00	598.70	605.34	605.33	4.05	4.05	138.63	-1,043.86	-1,695.11	2,011.67	2,003.57	8.10	248.355		
700.00	697.47	692.23	692.22	4.33	4.28	138.73	-1,043.82	-1,695.36	2,023.70	2,015.09	8.61	234.926		
803.50	799.05	789.94	789.93	4.67	4.56	138.88	-1,043.98	-1,695.97	2,039.37	2,030.14	9.22	221.086		
900.00	893.41	891.28	891.27	5.02	4.87	139.28	-1,044.15	-1,696.51	2,055.28	2,045.41	9.87	208.266		
1,000.00	991.20	989.96	989.95	5.41	5.19	139.66	-1,043.98	-1,696.96	2,071.63	2,061.08	10.55	196.311		
1,100.00	1,088.99	1,093.60	1,093.59	5.81	5.54	140.06	-1,043.92	-1,697.20	2,087.94	2,076.65	11.29	184.990		
1,200.00	1,186.78	1,183.98	1,183.97	6.23	5.85	140.39	-1,044.20	-1,697.23	2,104.33	2,092.33	12.00	175.366		
1,300.00	1,284.57	1,269.90	1,269.89	6.67	6.16	140.69	-1,044.71	-1,697.56	2,121.25	2,108.54	12.71	166.835		
1,400.00	1,382.36	1,365.04	1,365.02	7.12	6.51	141.04	-1,045.02	-1,698.56	2,138.68	2,125.20	13.48	158.645		
1,500.00	1,480.15	1,475.92	1,475.90	7.57	6.92	141.42	-1,045.87	-1,699.12	2,155.94	2,141.61	14.33	150.495		
1,600.00	1,577.94	1,588.76	1,588.73	8.03	7.35	141.80	-1,046.52	-1,698.86	2,172.53	2,157.34	15.19	142.995		
1,700.00	1,675.73	1,695.80	1,695.77	8.50	7.76	142.15	-1,046.89	-1,698.08	2,188.65	2,172.61	16.05	136.380		
1,800.00	1,773.52	1,771.29	1,771.26	8.98	8.06	142.40	-1,046.96	-1,697.86	2,205.12	2,188.35	16.78	131.431		
1,900.00	1,871.31	1,861.71	1,861.68	9.45	8.41	142.70	-1,047.10	-1,698.45	2,222.49	2,204.92	17.58	126.445		
2,000.00	1,969.10	1,962.55	1,962.51	9.94	8.81	143.03	-1,047.67	-1,698.83	2,239.88	2,221.45	18.43	121.550		
2,100.00	2,066.88	2,068.11	2,068.07	10.42	9.23	143.36	-1,048.19	-1,699.02	2,257.13	2,237.83	19.31	116.914		
2,200.00	2,164.67	2,165.68	2,165.64	10.91	9.62	143.66	-1,048.60	-1,698.93	2,274.18	2,254.03	20.15	112.845		
2,300.00	2,262.46	2,257.39	2,257.36	11.40	9.99	143.95	-1,048.66	-1,699.20	2,291.48	2,270.50	20.98	109.237		
2,400.00	2,360.25	2,355.75	2,355.71	11.89	10.39	144.25	-1,049.06	-1,699.56	2,309.05	2,287.21	21.84	105.748		
2,500.00	2,458.04	2,457.25	2,457.21	12.39	10.80	144.55	-1,049.56	-1,699.67	2,326.47	2,303.76	22.71	102.435		
2,600.00	2,555.83	2,557.26	2,557.21	12.88	11.21	144.84	-1,050.05	-1,699.68	2,343.88	2,320.29	23.58	99.384		
2,700.00	2,653.62	2,658.78	2,658.74	13.38	11.63	145.13	-1,050.42	-1,699.60	2,361.21	2,336.74	24.47	96.511		
2,800.00	2,751.41	2,753.95	2,753.91	13.88	12.02	145.40	-1,050.81	-1,699.41	2,378.51	2,353.19	25.32	93.942		
2,900.00	2,849.20	2,857.18	2,857.13	14.38	12.45	145.68	-1,051.57	-1,699.21	2,395.99	2,369.78	26.21	91.403		
3,000.00	2,946.99	2,956.15	2,956.10	14.88	12.85	145.94	-1,052.12	-1,698.67	2,413.13	2,386.05	27.09	89.082		
3,100.00	3,044.78	3,051.83	3,051.78	15.38	13.25	146.20	-1,052.46	-1,698.47	2,430.55	2,402.60	27.95	86.963		
3,200.00	3,142.57	3,145.59	3,145.54	15.89	13.64	146.45	-1,052.73	-1,698.26	2,447.99	2,419.19	28.80	84.995		
3,300.00	3,240.36	3,233.15	3,233.10	16.39	14.00	146.69	-1,053.03	-1,698.43	2,465.86	2,436.24	29.62	83.242		
3,400.00	3,338.15	3,326.78	3,326.72	16.89	14.39	146.94	-1,053.27	-1,698.97	2,484.10	2,453.62	30.48	81.510		
3,500.00	3,435.93	3,427.83	3,427.77	17.40	14.82	147.20	-1,053.81	-1,699.38	2,502.33	2,470.96	31.37	79.772		
3,600.00	3,533.72	3,522.33	3,522.27	17.90	15.21	147.44	-1,054.13	-1,699.80	2,520.59	2,488.36	32.23	78.212		
3,700.00	3,631.51	3,611.39	3,611.33	18.41	15.58	147.67	-1,054.56	-1,700.46	2,539.20	2,506.14	33.06	76.809		
3,800.00	3,729.30	3,717.34	3,717.27	18.92	16.03	147.92	-1,055.57	-1,700.98	2,557.80	2,523.82	33.98	75.274		
3,900.00	3,827.09	3,813.77	3,813.70	19.42	16.43	148.14	-1,056.69	-1,701.23	2,576.31	2,541.46	34.85	73.923		
4,000.00	3,924.88	3,903.00	3,902.92	19.93	16.81	148.35	-1,057.66	-1,701.70	2,595.07	2,559.38	35.68	72.722		
4,100.00	4,022.67	3,992.18	3,992.09	20.44	17.18	148.56	-1,058.32	-1,702.59	2,614.18	2,577.66	36.52	71.588		
4,200.00	4,120.46	4,088.53	4,088.43	20.95	17.59	148.80	-1,058.72	-1,703.88	2,633.53	2,596.14	37.39	70.437		
4,300.00	4,218.25	4,184.77	4,184.66	21.46	17.99	149.03	-1,059.00	-1,705.24	2,652.95	2,614.69	38.26	69.341		
4,400.00	4,316.04	4,313.28	4,313.16	21.97	18.53	149.36	-1,058.29	-1,706.80	2,671.97	2,632.67	39.31	67.975		
4,500.00	4,413.83	4,430.41	4,430.28	22.48	19.02	149.66	-1,056.97	-1,707.20	2,690.04	2,649.75	40.29	66.764		
4,600.00	4,511.62	4,534.94	4,534.80	22.99	19.46	149.92	-1,055.81	-1,706.89	2,707.56	2,666.35	41.21	65.705		
4,700.00	4,609.41	4,624.78	4,624.64	23.50	19.84	150.12	-1,055.36	-1,706.57	2,725.27	2,683.23	42.05	64.817		
4,800.00	4,707.20	4,725.63	4,725.48	24.01	20.26	150.36	-1,054.54	-1,706.50	2,743.19	2,700.25	42.94	63.880		
4,900.00	4,804.98	4,833.44	4,833.28	24.52	20.71	150.62	-1,053.49	-1,705.88	2,760.62	2,716.74	43.88	62.916		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,902.77	4,919.63	4,919.47	25.03	21.07	150.80	-1,053.15	-1,705.52	2,778.43	2,733.73	44.70	62.163		
5,100.00	5,000.56	5,027.27	5,027.11	25.54	21.53	151.04	-1,052.81	-1,704.79	2,796.05	2,750.42	45.63	61.275		
5,200.00	5,098.35	5,109.08	5,108.92	26.05	21.87	151.21	-1,052.34	-1,704.55	2,814.00	2,767.57	46.43	60.613		
5,300.00	5,196.14	5,201.17	5,201.01	26.56	22.26	151.42	-1,051.69	-1,704.67	2,832.34	2,785.06	47.28	59.912		
5,400.00	5,293.93	5,296.22	5,296.06	27.07	22.66	151.63	-1,050.98	-1,704.95	2,850.86	2,802.72	48.14	59.218		
5,500.00	5,391.72	5,392.09	5,391.93	27.58	23.07	151.84	-1,050.31	-1,705.30	2,869.50	2,820.49	49.01	58.546		
5,600.00	5,489.51	5,483.69	5,483.52	28.09	23.45	152.03	-1,049.80	-1,705.72	2,888.31	2,838.45	49.86	57.928		
5,700.00	5,587.30	5,588.65	5,588.48	28.61	23.90	152.25	-1,049.32	-1,706.20	2,907.18	2,856.40	50.78	57.246		
5,800.00	5,685.09	5,678.28	5,678.11	29.12	24.28	152.43	-1,048.93	-1,706.54	2,926.02	2,874.40	51.62	56.685		
5,900.00	5,782.88	5,780.96	5,780.79	29.63	24.71	152.64	-1,048.43	-1,707.10	2,945.05	2,892.52	52.53	56.064		
6,000.00	5,880.67	5,881.05	5,880.88	30.14	25.13	152.85	-1,047.89	-1,707.45	2,963.90	2,910.47	53.43	55.476		
6,100.00	5,978.46	5,968.54	5,968.36	30.65	25.51	153.02	-1,047.58	-1,707.81	2,982.90	2,928.65	54.25	54.985		
6,200.00	6,076.25	6,097.38	6,097.20	31.17	26.05	153.26	-1,047.37	-1,708.13	3,001.89	2,946.58	55.31	54.271		
6,298.86	6,172.92	6,172.34	6,172.16	31.67	26.37	153.40	-1,047.34	-1,707.99	3,020.26	2,964.20	56.06	53.875		
6,300.00	6,174.03	6,173.19	6,173.01	31.68	26.37	153.31	-1,047.34	-1,707.99	3,020.47	2,964.41	56.07	53.871		
6,350.00	6,223.30	6,211.78	6,211.60	31.92	26.54	147.42	-1,047.39	-1,708.13	3,028.11	2,971.67	56.44	53.651		
6,400.00	6,273.06	6,253.73	6,253.55	32.13	26.71	126.17	-1,047.58	-1,708.38	3,032.15	2,975.33	56.82	53.366		
6,450.00	6,323.01	6,295.85	6,295.67	32.32	26.89	35.79	-1,047.91	-1,708.69	3,032.55	2,975.37	57.17	53.043		
6,500.00	6,372.84	6,335.67	6,335.48	32.48	27.06	3.46	-1,048.29	-1,709.09	3,029.31	2,971.82	57.49	52.696		
6,550.00	6,422.24	6,374.96	6,374.76	32.65	27.23	-4.46	-1,048.61	-1,709.64	3,022.49	2,964.70	57.78	52.308		
6,600.00	6,470.92	6,417.95	6,417.75	32.83	27.41	-8.05	-1,048.88	-1,710.41	3,012.10	2,954.01	58.09	51.852		
6,650.00	6,518.56	6,467.61	6,467.40	33.01	27.62	-10.27	-1,048.88	-1,711.39	2,998.07	2,939.64	58.43	51.312		
6,700.00	6,564.89	6,515.14	6,514.91	33.21	27.82	-11.96	-1,048.54	-1,712.40	2,980.45	2,921.71	58.74	50.737		
6,750.00	6,609.60	6,559.44	6,559.20	33.43	28.01	-13.43	-1,048.01	-1,713.41	2,959.38	2,900.35	59.03	50.134		
6,800.00	6,652.43	6,605.26	6,605.00	33.66	28.21	-14.88	-1,047.29	-1,714.51	2,935.01	2,875.69	59.32	49.479		
6,850.00	6,693.10	6,709.14	6,708.85	33.91	28.65	-16.65	-1,045.17	-1,715.90	2,906.99	2,847.04	59.95	48.491		
6,900.00	6,731.38	6,736.04	6,735.75	34.20	28.76	-18.37	-1,044.63	-1,716.05	2,875.71	2,815.59	60.12	47.836		
6,950.00	6,767.02	6,766.79	6,766.49	34.51	28.89	-20.39	-1,044.10	-1,716.24	2,841.75	2,781.45	60.30	47.123		
7,000.00	6,799.81	6,795.16	6,794.86	34.85	29.01	-22.80	-1,043.70	-1,716.44	2,805.32	2,744.84	60.48	46.384		
7,050.00	6,829.54	6,825.27	6,824.96	35.24	29.14	-25.76	-1,043.33	-1,716.67	2,766.62	2,705.95	60.67	45.602		
7,100.00	6,856.03	6,853.03	6,852.72	35.66	29.26	-29.45	-1,042.95	-1,716.88	2,725.86	2,665.01	60.85	44.797		
7,150.00	6,879.11	6,877.27	6,876.96	36.12	29.36	-34.10	-1,042.60	-1,717.07	2,683.30	2,622.28	61.02	43.975		
7,200.00	6,898.65	6,897.85	6,897.53	36.62	29.45	-40.03	-1,042.28	-1,717.22	2,639.22	2,578.04	61.18	43.139		
7,250.00	6,914.51	6,916.69	6,916.37	37.15	29.53	-47.67	-1,041.96	-1,717.36	2,593.89	2,532.55	61.34	42.285		
7,300.00	6,926.62	6,931.33	6,931.01	37.73	29.59	-57.33	-1,041.70	-1,717.46	2,547.63	2,486.13	61.50	41.425		
7,350.00	6,934.88	6,941.40	6,941.08	38.34	29.64	-69.00	-1,041.51	-1,717.52	2,500.72	2,439.07	61.65	40.563		
7,400.00	6,939.26	6,946.87	6,946.54	38.97	29.66	-82.04	-1,041.40	-1,717.55	2,453.47	2,391.68	61.80	39.703		
7,429.12	6,940.00	6,947.93	6,947.61	39.34	29.66	-89.75	-1,041.38	-1,717.56	2,425.93	2,364.05	61.88	39.205		
7,500.00	6,940.19	6,948.62	6,948.29	40.31	29.67	-89.80	-1,041.37	-1,717.56	2,359.04	2,296.94	62.09	37.991		
7,600.00	6,940.46	6,949.58	6,949.25	41.80	29.67	-89.87	-1,041.35	-1,717.57	2,265.07	2,202.61	62.46	36.263		
7,700.00	6,940.72	6,950.53	6,950.21	43.43	29.67	-89.94	-1,041.33	-1,717.57	2,171.65	2,108.73	62.91	34.518		
7,800.00	6,940.99	6,951.48	6,951.15	45.19	29.68	-90.00	-1,041.31	-1,717.58	2,078.83	2,015.37	63.46	32.756		
7,900.00	6,941.25	6,952.41	6,952.09	47.05	29.68	-90.07	-1,041.29	-1,717.58	1,986.71	1,922.58	64.13	30.979		
8,000.00	6,941.52	6,953.34	6,953.01	49.02	29.69	-90.14	-1,041.28	-1,717.59	1,895.40	1,830.46	64.94	29.189		
8,100.00	6,941.79	6,954.26	6,953.93	51.06	29.69	-90.20	-1,041.26	-1,717.59	1,805.00	1,739.09	65.90	27.389		
8,200.00	6,942.05	6,955.17	6,954.84	53.18	29.69	-90.27	-1,041.24	-1,717.60	1,715.66	1,648.61	67.06	25.585		
8,300.00	6,942.32	6,956.07	6,955.74	55.37	29.70	-90.34	-1,041.22	-1,717.60	1,627.57	1,559.14	68.43	23.784		
8,400.00	6,942.58	6,956.97	6,956.64	57.62	29.70	-90.40	-1,041.20	-1,717.61	1,540.93	1,470.87	70.06	21.994		
8,500.00	6,942.85	6,957.85	6,957.53	59.92	29.71	-90.47	-1,041.18	-1,717.61	1,456.01	1,384.02	71.99	20.226		
8,600.00	6,943.12	6,958.73	6,958.40	62.26	29.71	-90.53	-1,041.17	-1,717.62	1,373.11	1,298.86	74.25	18.493		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,700.00	6,943.38	6,959.60	6,959.28	64.65	29.71	-90.59	-1,041.15	-1,717.62	1,292.64	1,215.75	76.89	16.811			
8,800.00	6,943.65	6,960.47	6,960.14	67.08	29.72	-90.65	-1,041.13	-1,717.62	1,215.07	1,135.12	79.96	15.197			
8,900.00	6,943.91	6,961.33	6,961.00	69.53	29.72	-90.72	-1,041.11	-1,717.63	1,141.00	1,057.53	83.47	13.669			
9,000.00	6,944.18	6,962.18	6,961.85	72.02	29.72	-90.78	-1,041.10	-1,717.63	1,071.15	983.68	87.47	12.246			
9,100.00	6,944.45	6,963.02	6,962.69	74.54	29.73	-90.84	-1,041.08	-1,717.64	1,006.40	914.48	91.92	10.949			
9,200.00	6,944.71	6,963.85	6,963.52	77.07	29.73	-90.90	-1,041.06	-1,717.64	947.79	851.01	96.78	9.793			
9,300.00	6,944.98	6,964.68	6,964.35	79.63	29.73	-90.96	-1,041.04	-1,717.65	896.54	794.63	101.91	8.797			
9,400.00	6,945.24	6,965.50	6,965.17	82.21	29.74	-91.02	-1,041.03	-1,717.65	853.96	746.87	107.10	7.974			
9,500.00	6,945.51	6,966.32	6,965.99	84.81	29.74	-91.08	-1,041.01	-1,717.65	821.42	709.37	112.04	7.331			
9,600.00	6,945.78	6,967.13	6,966.80	87.43	29.75	-91.14	-1,040.99	-1,717.66	800.12	683.75	116.38	6.875			
9,700.00	6,946.04	6,967.93	6,967.60	90.05	29.75	-91.20	-1,040.98	-1,717.66	790.99	671.24	119.75	6.605			
9,722.66	6,946.10	6,968.11	6,967.78	90.65	29.75	-91.21	-1,040.97	-1,717.66	790.66	670.31	120.35	6.570 CC, ES			
9,800.00	6,946.31	6,968.72	6,968.39	92.70	29.75	-91.25	-1,040.96	-1,717.67	794.44	672.53	121.90	6.517 SF			
9,900.00	6,946.57	6,969.51	6,969.18	95.35	29.76	-91.31	-1,040.94	-1,717.67	810.31	687.54	122.77	6.600			
10,000.00	6,946.84	6,970.29	6,969.96	98.02	29.76	-91.37	-1,040.93	-1,717.67	837.89	715.46	122.44	6.844			
10,100.00	6,947.11	6,971.07	6,970.74	100.70	29.76	-91.42	-1,040.91	-1,717.68	876.09	754.95	121.14	7.232			
10,200.00	6,947.37	6,971.84	6,971.51	103.38	29.77	-91.48	-1,040.89	-1,717.68	923.57	804.42	119.16	7.751			
10,300.00	6,947.64	6,972.60	6,972.27	106.08	29.77	-91.53	-1,040.88	-1,717.68	979.01	862.24	116.76	8.385			
10,400.00	6,947.90	6,973.36	6,973.03	108.78	29.77	-91.59	-1,040.86	-1,717.69	1,041.11	926.94	114.17	9.119			
10,500.00	6,948.17	6,974.11	6,973.78	111.49	29.78	-91.64	-1,040.84	-1,717.69	1,108.77	997.24	111.53	9.942			
10,600.00	6,948.44	6,974.85	6,974.52	114.21	29.78	-91.70	-1,040.83	-1,717.70	1,181.03	1,072.08	108.94	10.841			
10,700.00	6,948.70	6,975.59	6,975.26	116.94	29.78	-91.75	-1,040.81	-1,717.70	1,257.09	1,150.61	106.48	11.805			
10,800.00	6,948.97	6,976.32	6,975.99	119.67	29.78	-91.80	-1,040.80	-1,717.70	1,336.32	1,232.14	104.18	12.827			
10,900.00	6,949.24	6,977.05	6,976.72	122.41	29.79	-91.86	-1,040.78	-1,717.71	1,418.17	1,316.13	102.04	13.898			
11,000.00	6,949.50	6,977.77	6,977.44	125.15	29.79	-91.91	-1,040.77	-1,717.71	1,502.22	1,402.15	100.07	15.012			
11,100.00	6,949.77	6,978.49	6,978.16	127.90	29.79	-91.96	-1,040.75	-1,717.71	1,588.11	1,489.86	98.26	16.163			
11,200.00	6,950.03	6,979.20	6,978.87	130.65	29.80	-92.01	-1,040.73	-1,717.72	1,675.58	1,578.98	96.60	17.346			
11,300.00	6,950.30	6,979.91	6,979.57	133.41	29.80	-92.06	-1,040.72	-1,717.72	1,764.37	1,669.29	95.08	18.556			
11,400.00	6,950.57	6,980.60	6,980.27	136.17	29.80	-92.11	-1,040.70	-1,717.72	1,854.31	1,760.61	93.69	19.791			
11,500.00	6,950.83	6,981.30	6,980.97	138.94	29.81	-92.16	-1,040.69	-1,717.72	1,945.23	1,852.80	92.42	21.047			
11,600.00	6,951.10	6,981.99	6,981.65	141.71	29.81	-92.21	-1,040.67	-1,717.73	2,037.00	1,945.74	91.26	22.320			
11,700.00	6,951.36	6,982.67	6,982.34	144.48	29.81	-92.26	-1,040.66	-1,717.73	2,129.51	2,039.31	90.19	23.610			
11,800.00	6,951.63	6,983.35	6,983.02	147.26	29.81	-92.31	-1,040.64	-1,717.73	2,222.67	2,133.45	89.21	24.914			
11,900.00	6,951.90	6,984.02	6,983.69	150.03	29.82	-92.36	-1,040.63	-1,717.74	2,316.40	2,228.08	88.31	26.230			
12,000.00	6,952.16	6,984.69	6,984.36	152.82	29.82	-92.41	-1,040.61	-1,717.74	2,410.63	2,323.15	87.48	27.556			
12,100.00	6,952.43	6,985.35	6,985.02	155.60	29.82	-92.46	-1,040.60	-1,717.74	2,505.31	2,418.60	86.72	28.891			
12,200.00	6,952.69	6,986.01	6,985.68	158.39	29.83	-92.51	-1,040.58	-1,717.75	2,600.39	2,514.38	86.01	30.235			
12,300.00	6,952.96	6,986.67	6,986.33	161.18	29.83	-92.55	-1,040.57	-1,717.75	2,695.82	2,610.47	85.35	31.585			
12,400.00	6,953.23	6,987.31	6,986.98	163.97	29.83	-92.60	-1,040.55	-1,717.75	2,791.58	2,706.83	84.75	32.941			
12,500.00	6,953.49	6,987.96	6,987.62	166.77	29.83	-92.65	-1,040.54	-1,717.75	2,887.62	2,803.44	84.18	34.302			
12,600.00	6,953.76	6,988.60	6,988.26	169.56	29.84	-92.69	-1,040.53	-1,717.76	2,983.92	2,900.26	83.66	35.668			
12,700.00	6,954.02	6,989.23	6,988.90	172.36	29.84	-92.74	-1,040.51	-1,717.76	3,080.46	2,997.29	83.17	37.037			
12,800.00	6,954.29	6,989.86	6,989.52	175.16	29.84	-92.78	-1,040.50	-1,717.76	3,177.21	3,094.49	82.72	38.410			
12,900.00	6,954.56	6,990.49	6,990.15	177.97	29.84	-92.83	-1,040.48	-1,717.76	3,274.16	3,191.86	82.30	39.785			
13,000.00	6,954.82	6,991.11	6,990.77	180.77	29.85	-92.87	-1,040.47	-1,717.77	3,371.28	3,289.38	81.90	41.162			
13,100.00	6,955.09	6,991.72	6,991.39	183.58	29.85	-92.92	-1,040.45	-1,717.77	3,468.57	3,387.03	81.54	42.540			
13,200.00	6,955.35	6,992.33	6,992.00	186.38	29.85	-92.96	-1,040.44	-1,717.77	3,566.01	3,484.81	81.19	43.921			
13,300.00	6,955.62	6,992.94	6,992.60	189.19	29.86	-93.01	-1,040.43	-1,717.77	3,663.58	3,582.71	80.87	45.302			
13,400.00	6,955.89	6,993.54	6,993.21	192.00	29.86	-93.05	-1,040.41	-1,717.78	3,761.29	3,680.71	80.57	46.683			
13,500.00	6,956.15	6,994.14	6,993.80	194.82	29.86	-93.09	-1,040.40	-1,717.78	3,859.11	3,778.82	80.29	48.065			
13,600.00	6,956.42	6,994.74	6,994.40	197.63	29.86	-93.14	-1,040.39	-1,717.78	3,957.04	3,877.01	80.03	49.447			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
13,700.00	6,956.68	6,995.33	6,994.99	200.44	29.87	-93.18	-1,040.37	-1,717.78	4,055.07	3,975.29	79.78	50.829		
13,800.00	6,956.95	6,995.91	6,995.57	203.26	29.87	-93.22	-1,040.36	-1,717.79	4,153.19	4,073.64	79.55	52.210		
13,900.00	6,957.22	6,996.49	6,996.16	206.08	29.87	-93.26	-1,040.35	-1,717.79	4,251.40	4,172.07	79.33	53.590		
14,000.00	6,957.48	6,997.07	6,996.73	208.89	29.87	-93.31	-1,040.33	-1,717.79	4,349.70	4,270.57	79.13	54.970		
14,100.00	6,957.75	6,997.65	6,997.31	211.71	29.88	-93.35	-1,040.32	-1,717.79	4,448.06	4,369.13	78.94	56.348		
14,200.00	6,958.02	6,998.21	6,997.88	214.53	29.88	-93.39	-1,040.31	-1,717.79	4,546.50	4,467.74	78.76	57.726		
14,300.00	6,958.28	6,998.78	6,998.44	217.36	29.88	-93.43	-1,040.29	-1,717.80	4,645.01	4,566.42	78.59	59.102		
14,400.00	6,958.55	6,999.34	6,999.00	220.18	29.88	-93.47	-1,040.28	-1,717.80	4,743.58	4,665.14	78.44	60.476		
14,500.00	6,958.81	6,999.90	6,999.56	223.00	29.88	-93.51	-1,040.27	-1,717.80	4,842.21	4,763.92	78.29	61.849		
14,600.00	6,959.08	7,000.48	7,000.14	225.83	29.89	-93.55	-1,040.25	-1,717.80	4,940.89	4,862.74	78.15	63.220		
14,700.00	6,959.35	7,001.07	7,000.73	228.65	29.89	-93.60	-1,040.24	-1,717.80	5,039.63	4,961.60	78.03	64.589		
14,800.00	6,959.61	7,001.65	7,001.31	231.48	29.89	-93.64	-1,040.23	-1,717.81	5,138.41	5,060.50	77.91	65.956		
14,900.00	6,959.88	7,002.23	7,001.89	234.30	29.89	-93.68	-1,040.21	-1,717.81	5,237.24	5,159.44	77.80	67.321		
15,000.00	6,960.14	7,002.81	7,002.47	237.13	29.90	-93.72	-1,040.20	-1,717.81	5,336.11	5,258.42	77.69	68.683		
15,100.00	6,960.41	7,003.39	7,003.05	239.96	29.90	-93.76	-1,040.18	-1,717.81	5,435.03	5,357.43	77.59	70.044		
15,200.00	6,960.68	7,003.97	7,003.63	242.79	29.90	-93.81	-1,040.17	-1,717.82	5,533.98	5,456.47	77.51	71.401		
15,300.00	6,960.94	7,004.54	7,004.20	245.62	29.90	-93.85	-1,040.16	-1,717.82	5,632.97	5,555.55	77.42	72.757		
15,400.00	6,961.21	7,005.11	7,004.77	248.45	29.91	-93.89	-1,040.14	-1,717.82	5,731.99	5,654.65	77.35	74.109		
15,500.00	6,961.47	7,005.69	7,005.35	251.28	29.91	-93.93	-1,040.13	-1,717.82	5,831.05	5,753.78	77.27	75.459		
15,600.00	6,961.74	7,006.26	7,005.92	254.11	29.91	-93.97	-1,040.12	-1,717.82	5,930.14	5,852.93	77.21	76.807		
15,700.00	6,962.01	7,006.83	7,006.49	256.94	29.91	-94.01	-1,040.10	-1,717.83	6,029.26	5,952.11	77.15	78.151		
15,800.00	6,962.27	7,007.40	7,007.06	259.77	29.92	-94.05	-1,040.09	-1,717.83	6,128.41	6,051.32	77.09	79.493		
15,900.00	6,962.54	7,007.96	7,007.62	262.61	29.92	-94.09	-1,040.08	-1,717.83	6,227.59	6,150.54	77.04	80.831		
16,000.00	6,962.80	7,008.53	7,008.19	265.44	29.92	-94.14	-1,040.06	-1,717.83	6,326.79	6,249.79	77.00	82.167		
16,100.00	6,963.07	7,009.09	7,008.75	268.28	29.92	-94.18	-1,040.05	-1,717.83	6,426.01	6,349.06	76.96	83.499		
16,200.00	6,963.34	7,009.65	7,009.31	271.11	29.93	-94.22	-1,040.04	-1,717.84	6,525.26	6,448.34	76.92	84.828		
16,300.00	6,963.60	7,010.22	7,009.87	273.95	29.93	-94.26	-1,040.03	-1,717.84	6,624.54	6,547.65	76.89	86.155		
16,400.00	6,963.87	7,010.77	7,010.43	276.78	29.93	-94.30	-1,040.01	-1,717.84	6,723.83	6,646.97	76.86	87.477		
16,500.00	6,964.13	7,011.33	7,010.99	279.62	29.93	-94.34	-1,040.00	-1,717.84	6,823.15	6,746.31	76.84	88.797		
16,600.00	6,964.40	7,011.89	7,011.55	282.46	29.94	-94.38	-1,039.99	-1,717.84	6,922.48	6,845.66	76.82	90.113		
16,700.00	6,964.67	7,012.44	7,012.10	285.29	29.94	-94.42	-1,039.97	-1,717.85	7,021.83	6,945.03	76.80	91.426		
16,800.00	6,964.93	7,013.00	7,012.66	288.13	29.94	-94.46	-1,039.96	-1,717.85	7,121.20	7,044.41	76.79	92.736		
16,900.00	6,965.20	7,013.55	7,013.21	290.97	29.94	-94.50	-1,039.95	-1,717.85	7,220.59	7,143.81	76.78	94.042		
17,000.00	6,965.46	7,014.10	7,013.76	293.81	29.95	-94.54	-1,039.93	-1,717.85	7,320.00	7,243.22	76.77	95.344		
17,100.00	6,965.73	7,014.65	7,014.31	296.65	29.95	-94.58	-1,039.92	-1,717.85	7,419.42	7,342.65	76.77	96.643		
17,200.00	6,966.00	7,015.20	7,014.86	299.49	29.95	-94.62	-1,039.91	-1,717.86	7,518.85	7,442.08	76.77	97.938		
17,300.00	6,966.26	7,015.75	7,015.40	302.32	29.95	-94.66	-1,039.90	-1,717.86	7,618.30	7,541.53	76.77	99.230		
17,400.00	6,966.53	7,016.29	7,015.95	305.16	29.95	-94.70	-1,039.88	-1,717.86	7,717.77	7,640.99	76.78	100.518		
17,500.00	6,966.80	7,016.84	7,016.49	308.00	29.96	-94.74	-1,039.87	-1,717.86	7,817.25	7,740.46	76.79	101.802		
17,600.00	6,967.06	7,017.38	7,017.04	310.85	29.96	-94.77	-1,039.86	-1,717.86	7,916.74	7,839.94	76.80	103.083		
17,700.00	6,967.33	7,017.92	7,017.58	313.69	29.96	-94.81	-1,039.85	-1,717.86	8,016.24	7,939.43	76.81	104.360		
17,800.00	6,967.59	7,018.46	7,018.12	316.53	29.96	-94.85	-1,039.83	-1,717.87	8,115.76	8,038.93	76.83	105.633		
17,900.00	6,967.86	7,019.00	7,018.66	319.37	29.97	-94.89	-1,039.82	-1,717.87	8,215.29	8,138.44	76.85	106.902		
18,000.00	6,968.13	7,019.54	7,019.19	322.21	29.97	-94.93	-1,039.81	-1,717.87	8,314.83	8,237.96	76.87	108.168		
18,100.00	6,968.39	7,020.07	7,019.73	325.05	29.97	-94.97	-1,039.80	-1,717.87	8,414.38	8,337.49	76.89	109.429		
18,200.00	6,968.66	7,020.61	7,020.26	327.90	29.97	-95.01	-1,039.78	-1,717.87	8,513.94	8,437.02	76.92	110.687		
18,300.00	6,968.92	7,021.14	7,020.80	330.74	29.97	-95.05	-1,039.77	-1,717.88	8,613.51	8,536.56	76.95	111.941		
18,400.00	6,969.19	7,021.67	7,021.33	333.58	29.98	-95.08	-1,039.76	-1,717.88	8,713.09	8,636.12	76.98	113.191		
18,500.00	6,969.46	7,022.20	7,021.86	336.43	29.98	-95.12	-1,039.75	-1,717.88	8,812.68	8,735.67	77.01	114.437		
18,600.00	6,969.72	7,022.73	7,022.39	339.27	29.98	-95.16	-1,039.73	-1,717.88	8,912.28	8,835.24	77.04	115.679		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,704.56	6,970.00	7,023.28	7,022.94	342.24	29.98	-95.20	-1,039.72	-1,717.88	9,016.43	8,939.35	77.08	116.973		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-137.83	-814.59	-737.82	1,099.22					
100.00	100.00	81.00	81.00	3.28	3.57	-137.83	-814.59	-737.82	1,099.06	1,092.20	6.86	160.295		
200.00	200.00	181.00	181.00	3.34	5.63	-137.83	-814.59	-737.82	1,099.06	1,090.09	8.96	122.596		
300.00	299.98	280.98	280.98	3.44	8.71	122.23	-814.59	-737.82	1,099.99	1,087.84	12.15	90.555		
400.00	399.84	380.84	380.84	3.60	12.01	122.41	-814.59	-737.82	1,102.79	1,087.18	15.60	70.677		
500.00	499.45	480.45	480.45	3.80	15.38	122.71	-814.59	-737.82	1,107.49	1,088.31	19.18	57.739		
600.00	598.70	579.70	579.70	4.05	18.78	123.13	-814.59	-737.82	1,114.15	1,091.32	22.83	48.807		
700.00	697.47	678.47	678.47	4.33	22.18	123.64	-814.59	-737.82	1,122.83	1,096.31	26.52	42.342		
803.50	799.05	780.05	780.05	4.67	25.70	124.28	-814.59	-737.82	1,134.04	1,103.68	30.37	37.345		
900.00	893.41	874.41	874.41	5.02	28.97	125.10	-814.59	-737.82	1,145.70	1,111.72	33.98	33.718		
1,000.00	991.20	972.20	972.20	5.41	32.36	125.94	-814.59	-737.82	1,158.03	1,120.28	37.75	30.677		
1,100.00	1,088.99	1,069.99	1,069.99	5.81	35.76	126.75	-814.59	-737.82	1,170.60	1,129.06	41.54	28.180		
1,200.00	1,186.78	1,167.78	1,167.78	6.23	39.16	127.55	-814.59	-737.82	1,183.41	1,138.06	45.35	26.096		
1,300.00	1,284.57	1,265.57	1,265.57	6.67	42.56	128.34	-814.59	-737.82	1,196.45	1,147.28	49.17	24.333		
1,400.00	1,382.36	1,363.36	1,363.36	7.12	45.97	129.10	-814.59	-737.82	1,209.71	1,156.70	53.00	22.823		
1,500.00	1,480.15	1,461.15	1,461.15	7.57	49.37	129.85	-814.59	-737.82	1,223.18	1,166.33	56.85	21.517		
1,600.00	1,577.94	1,558.94	1,558.94	8.03	52.78	130.59	-814.59	-737.82	1,236.85	1,176.16	60.69	20.378		
1,700.00	1,675.73	1,656.73	1,656.73	8.50	56.19	131.31	-814.59	-737.82	1,250.73	1,186.18	64.55	19.376		
1,800.00	1,773.52	1,754.52	1,754.52	8.98	59.60	132.01	-814.59	-737.82	1,264.80	1,196.40	68.41	18.489		
1,900.00	1,871.31	1,852.31	1,852.31	9.45	63.00	132.70	-814.59	-737.82	1,279.06	1,206.79	72.27	17.698		
2,000.00	1,969.10	1,950.10	1,950.10	9.94	66.41	133.37	-814.59	-737.82	1,293.50	1,217.37	76.14	16.989		
2,100.00	2,066.88	2,047.88	2,047.88	10.42	69.82	134.03	-814.59	-737.82	1,308.12	1,228.11	80.01	16.350		
2,200.00	2,164.67	2,145.67	2,145.67	10.91	73.23	134.67	-814.59	-737.82	1,322.90	1,239.02	83.88	15.772		
2,300.00	2,262.46	2,243.46	2,243.46	11.40	76.64	135.30	-814.59	-737.82	1,337.85	1,250.10	87.75	15.246		
2,400.00	2,360.25	2,341.25	2,341.25	11.89	80.05	135.92	-814.59	-737.82	1,352.95	1,261.33	91.63	14.766		
2,500.00	2,458.04	2,439.04	2,439.04	12.39	83.47	136.52	-814.59	-737.82	1,368.21	1,272.71	95.50	14.327		
2,600.00	2,555.83	2,536.83	2,536.83	12.88	86.88	137.11	-814.59	-737.82	1,383.62	1,284.24	99.38	13.923		
2,700.00	2,653.62	2,634.62	2,634.62	13.38	90.29	137.69	-814.59	-737.82	1,399.17	1,295.91	103.25	13.551		
2,800.00	2,751.41	2,732.41	2,732.41	13.88	93.70	138.25	-814.59	-737.82	1,414.85	1,307.72	107.13	13.207		
2,900.00	2,849.20	2,830.20	2,830.20	14.38	97.11	138.80	-814.59	-737.82	1,430.67	1,319.66	111.01	12.888		
3,000.00	2,946.99	2,927.99	2,927.99	14.88	100.52	139.34	-814.59	-737.82	1,446.62	1,331.73	114.89	12.591		
3,100.00	3,044.78	3,025.78	3,025.78	15.38	103.94	139.87	-814.59	-737.82	1,462.70	1,343.93	118.77	12.315		
3,200.00	3,142.57	3,123.57	3,123.57	15.89	107.35	140.39	-814.59	-737.82	1,478.89	1,356.24	122.65	12.058		
3,300.00	3,240.36	3,221.36	3,221.36	16.39	110.76	140.90	-814.59	-737.82	1,495.21	1,368.68	126.53	11.817		
3,400.00	3,338.15	3,319.15	3,319.15	16.89	114.17	141.39	-814.59	-737.82	1,511.63	1,381.22	130.41	11.592		
3,500.00	3,435.93	3,416.93	3,416.93	17.40	117.59	141.88	-814.59	-737.82	1,528.17	1,393.88	134.29	11.380		
3,600.00	3,533.72	3,514.72	3,514.72	17.90	121.00	142.35	-814.59	-737.82	1,544.81	1,406.64	138.17	11.181		
3,700.00	3,631.51	3,612.51	3,612.51	18.41	124.41	142.82	-814.59	-737.82	1,561.55	1,419.50	142.05	10.993		
3,800.00	3,729.30	3,710.30	3,710.30	18.92	127.82	143.27	-814.59	-737.82	1,578.40	1,432.47	145.93	10.816		
3,900.00	3,827.09	3,808.09	3,808.09	19.42	131.24	143.72	-814.59	-737.82	1,595.34	1,445.53	149.81	10.649		
4,000.00	3,924.88	3,905.88	3,905.88	19.93	134.65	144.15	-814.59	-737.82	1,612.37	1,458.68	153.69	10.491		
4,100.00	4,022.67	4,003.67	4,003.67	20.44	138.06	144.58	-814.59	-737.82	1,629.49	1,471.92	157.57	10.341		
4,200.00	4,120.46	4,101.46	4,101.46	20.95	141.47	145.00	-814.59	-737.82	1,646.70	1,485.25	161.45	10.199		
4,300.00	4,218.25	4,200.75	4,199.25	21.46	144.94	145.41	-814.59	-737.82	1,664.00	1,498.62	165.38	10.062		
4,400.00	4,316.04	4,302.96	4,297.04	21.97	148.51	145.81	-814.59	-737.82	1,681.38	1,511.96	169.42	9.925		
4,500.00	4,413.83	4,405.17	4,394.83	22.48	152.07	146.21	-814.59	-737.82	1,698.84	1,525.38	173.45	9.794		
4,600.00	4,511.62	4,507.38	4,492.62	22.99	155.64	146.59	-814.59	-737.82	1,716.37	1,538.88	177.48	9.671		
4,700.00	4,609.41	4,609.59	4,590.41	23.50	159.21	146.97	-814.59	-737.82	1,733.98	1,552.46	181.52	9.553		
4,800.00	4,707.20	4,688.20	4,688.20	24.01	161.95	147.34	-814.59	-737.82	1,751.66	1,566.93	184.73	9.482		
4,900.00	4,804.98	4,785.98	4,785.98	24.52	165.37	147.70	-814.59	-737.82	1,769.41	1,580.81	188.61	9.381		
5,000.00	4,902.77	4,883.77	4,883.77	25.03	168.78	148.06	-814.59	-737.82	1,787.23	1,594.75	192.49	9.285		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,981.56	4,981.56	25.54	172.19	148.41	-814.59	-737.82	1,805.12	1,608.75	196.37	9.193		
5,200.00	5,098.35	5,079.35	5,079.35	26.05	175.61	148.75	-814.59	-737.82	1,823.07	1,622.83	200.25	9.104		
5,300.00	5,196.14	5,177.14	5,177.14	26.56	179.02	149.09	-814.59	-737.82	1,841.09	1,636.96	204.13	9.019		
5,400.00	5,293.93	5,274.93	5,274.93	27.07	182.43	149.42	-814.59	-737.82	1,859.16	1,651.16	208.01	8.938		
5,500.00	5,391.72	5,372.72	5,372.72	27.58	185.85	149.74	-814.59	-737.82	1,877.29	1,665.41	211.88	8.860		
5,600.00	5,489.51	5,470.51	5,470.51	28.09	189.26	150.06	-814.59	-737.82	1,895.49	1,679.72	215.76	8.785		
5,700.00	5,587.30	5,568.30	5,568.30	28.61	192.67	150.37	-814.59	-737.82	1,913.73	1,694.09	219.64	8.713		
5,800.00	5,685.09	5,666.09	5,666.09	29.12	196.09	150.67	-814.59	-737.82	1,932.03	1,708.51	223.52	8.644		
5,900.00	5,782.88	5,763.88	5,763.88	29.63	199.50	150.97	-814.59	-737.82	1,950.38	1,722.98	227.40	8.577		
6,000.00	5,880.67	5,861.67	5,861.67	30.14	202.91	151.26	-814.59	-737.82	1,968.79	1,737.51	231.28	8.513		
6,100.00	5,978.46	5,959.46	5,959.46	30.65	206.33	151.55	-814.59	-737.82	1,987.24	1,752.08	235.16	8.451		
6,200.00	6,076.25	6,057.25	6,057.25	31.17	209.74	151.84	-814.59	-737.82	2,005.74	1,766.71	239.04	8.391		
6,298.86	6,172.92	6,153.92	6,153.92	31.67	213.11	152.11	-814.59	-737.82	2,024.08	1,781.21	242.87	8.334		
6,300.00	6,174.03	6,155.03	6,155.03	31.68	213.15	152.03	-814.59	-737.82	2,024.29	1,781.37	242.92	8.333		
6,350.00	6,223.30	6,204.30	6,204.30	31.92	214.87	146.21	-814.59	-737.82	2,031.65	1,786.79	244.86	8.297		
6,400.00	6,273.06	6,254.06	6,254.06	32.13	216.61	124.99	-814.59	-737.82	2,035.28	1,788.47	246.81	8.246		
6,450.00	6,323.01	6,304.01	6,304.01	32.32	218.35	34.63	-814.59	-737.82	2,035.17	1,786.43	248.74	8.182		
6,500.00	6,372.84	6,353.84	6,353.84	32.48	220.09	2.29	-814.59	-737.82	2,031.30	1,780.66	250.64	8.104		
6,550.00	6,422.24	6,403.24	6,403.24	32.65	221.82	-5.67	-814.59	-737.82	2,023.71	1,771.19	252.52	8.014		
6,600.00	6,470.92	6,451.92	6,451.92	32.83	223.52	-9.33	-814.59	-737.82	2,012.43	1,758.08	254.35	7.912		
6,650.00	6,518.56	6,500.44	6,499.56	33.01	225.21	-11.64	-814.59	-737.82	1,997.55	1,741.37	256.17	7.798		
6,700.00	6,564.89	6,545.89	6,545.89	33.21	226.80	-13.45	-814.59	-737.82	1,979.15	1,721.27	257.87	7.675		
6,750.00	6,609.60	6,609.40	6,590.60	33.43	229.01	-15.09	-814.59	-737.82	1,957.36	1,697.16	260.20	7.523		
6,800.00	6,652.43	6,633.43	6,633.43	33.66	229.85	-16.75	-814.59	-737.82	1,932.31	1,671.18	261.13	7.400		
6,850.00	6,693.10	6,674.10	6,674.10	33.91	231.27	-18.54	-814.59	-737.82	1,904.19	1,641.55	262.64	7.250		
6,900.00	6,731.38	6,712.38	6,712.38	34.20	232.61	-20.56	-814.59	-737.82	1,873.16	1,609.10	264.06	7.094		
6,950.00	6,767.02	6,748.02	6,748.02	34.51	233.85	-22.92	-814.59	-737.82	1,839.44	1,574.06	265.38	6.931		
7,000.00	6,799.81	6,780.81	6,780.81	34.85	235.00	-25.74	-814.59	-737.82	1,803.26	1,536.65	266.61	6.764		
7,050.00	6,829.54	6,810.54	6,810.54	35.24	236.03	-29.17	-814.59	-737.82	1,764.85	1,497.13	267.73	6.592		
7,100.00	6,856.03	6,837.03	6,837.03	35.66	236.96	-33.37	-814.59	-737.82	1,724.48	1,455.74	268.74	6.417		
7,150.00	6,879.11	6,860.11	6,860.11	36.12	237.76	-38.57	-814.59	-737.82	1,682.42	1,412.78	269.65	6.239		
7,200.00	6,898.65	6,879.65	6,879.65	36.62	238.45	-44.99	-814.59	-737.82	1,638.96	1,368.52	270.44	6.060		
7,250.00	6,914.51	6,904.49	6,895.51	37.15	239.31	-52.83	-814.59	-737.82	1,594.38	1,322.95	271.44	5.874		
7,300.00	6,926.62	6,907.62	6,907.62	37.73	239.42	-62.12	-814.59	-737.82	1,549.01	1,277.31	271.70	5.701		
7,350.00	6,934.88	6,915.88	6,915.88	38.34	239.71	-72.55	-814.59	-737.82	1,503.14	1,230.97	272.16	5.523		
7,400.00	6,939.26	6,920.26	6,920.26	38.97	239.86	-83.45	-814.59	-737.82	1,457.09	1,184.57	272.52	5.347		
7,429.12	6,940.00	6,921.00	6,921.00	39.34	239.89	-89.65	-814.59	-737.82	1,430.32	1,157.64	272.68	5.245		
7,500.00	6,940.19	6,921.19	6,921.19	40.31	239.90	-89.67	-814.59	-737.82	1,365.56	1,092.49	273.07	5.001		
7,600.00	6,940.46	6,921.46	6,921.46	41.80	239.91	-89.69	-814.59	-737.82	1,275.29	1,001.54	273.75	4.659		
7,700.00	6,940.72	6,921.72	6,921.72	43.43	239.91	-89.72	-814.59	-737.82	1,186.58	911.94	274.64	4.321		
7,800.00	6,940.99	6,921.99	6,921.99	45.19	239.92	-89.75	-814.59	-737.82	1,099.81	824.02	275.79	3.988		
7,900.00	6,941.25	6,922.25	6,922.25	47.05	239.93	-89.77	-814.59	-737.82	1,015.48	738.20	277.29	3.662		
8,000.00	6,941.52	6,922.52	6,922.52	49.02	239.94	-89.80	-814.59	-737.82	934.25	655.05	279.20	3.346		
8,100.00	6,941.79	6,922.79	6,922.79	51.06	239.95	-89.83	-814.59	-737.82	856.99	575.38	281.62	3.043		
8,200.00	6,942.05	6,923.05	6,923.05	53.18	239.96	-89.85	-814.59	-737.82	784.89	500.28	284.62	2.758		
8,300.00	6,942.32	6,923.32	6,923.32	55.37	239.97	-89.88	-814.59	-737.82	719.49	431.26	288.23	2.496		
8,400.00	6,942.58	6,923.58	6,923.58	57.62	239.98	-89.91	-814.59	-737.82	662.79	370.40	292.39	2.267		
8,500.00	6,942.85	6,923.85	6,923.85	59.92	239.99	-89.94	-814.59	-737.82	617.17	320.32	296.85	2.079		
8,600.00	6,943.12	6,924.12	6,924.12	62.26	240.00	-89.96	-814.59	-737.82	585.25	284.12	301.13	1.944		
8,700.00	6,943.38	6,924.38	6,924.38	64.65	240.01	-89.99	-814.59	-737.82	569.33	264.73	304.60	1.869		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,741.92	6,943.49	6,924.49	6,924.49	65.67	240.01	-90.00	-814.59	-737.82	567.78	262.11	305.67	1.858	CC, ES, SF		
8,800.00	6,943.65	6,924.65	6,924.65	67.08	240.02	-90.02	-814.59	-737.82	570.74	264.05	306.69	1.861			
8,900.00	6,943.91	6,924.91	6,924.91	69.53	240.03	-90.04	-814.59	-737.82	589.37	282.16	307.21	1.918			
9,000.00	6,944.18	6,925.18	6,925.18	72.02	240.04	-90.07	-814.59	-737.82	623.68	317.31	306.38	2.036			
9,100.00	6,944.45	6,925.45	6,925.45	74.54	240.04	-90.10	-814.59	-737.82	671.26	366.63	304.63	2.204			
9,200.00	6,944.71	6,925.71	6,925.71	77.07	240.05	-90.12	-814.59	-737.82	729.52	427.08	302.44	2.412			
9,300.00	6,944.98	6,925.98	6,925.98	79.63	240.06	-90.15	-814.59	-737.82	796.13	495.99	300.14	2.653			
9,400.00	6,945.24	6,926.24	6,926.24	82.21	240.07	-90.18	-814.59	-737.82	869.16	571.24	297.92	2.917			
9,500.00	6,945.51	6,926.51	6,926.51	84.81	240.08	-90.20	-814.59	-737.82	947.13	651.25	295.87	3.201			
9,600.00	6,945.78	6,926.78	6,926.78	87.43	240.09	-90.23	-814.59	-737.82	1,028.91	734.87	294.04	3.499			
9,700.00	6,946.04	6,927.04	6,927.04	90.05	240.10	-90.26	-814.59	-737.82	1,113.68	821.26	292.42	3.809			
9,800.00	6,946.31	6,927.31	6,927.31	92.70	240.11	-90.28	-814.59	-737.82	1,200.79	909.79	290.99	4.127			
9,900.00	6,946.57	6,927.57	6,927.57	95.35	240.12	-90.31	-814.59	-737.82	1,289.77	1,000.03	289.74	4.451			
10,000.00	6,946.84	6,927.84	6,927.84	98.02	240.13	-90.34	-814.59	-737.82	1,380.26	1,091.62	288.64	4.782			
10,100.00	6,947.11	6,928.11	6,928.11	100.70	240.14	-90.36	-814.59	-737.82	1,471.98	1,184.30	287.68	5.117			
10,200.00	6,947.37	6,928.37	6,928.37	103.38	240.15	-90.39	-814.59	-737.82	1,564.72	1,277.89	286.83	5.455			
10,300.00	6,947.64	6,928.64	6,928.64	106.08	240.16	-90.42	-814.59	-737.82	1,658.30	1,372.22	286.08	5.797			
10,400.00	6,947.90	6,928.90	6,928.90	108.78	240.17	-90.45	-814.59	-737.82	1,752.59	1,467.17	285.41	6.141			
10,500.00	6,948.17	6,929.17	6,929.17	111.49	240.17	-90.47	-814.59	-737.82	1,847.48	1,562.66	284.82	6.486			
10,600.00	6,948.44	6,929.44	6,929.44	114.21	240.18	-90.50	-814.59	-737.82	1,942.88	1,658.59	284.30	6.834			
10,700.00	6,948.70	6,929.70	6,929.70	116.94	240.19	-90.53	-814.59	-737.82	2,038.73	1,754.90	283.83	7.183			
10,800.00	6,948.97	6,929.97	6,929.97	119.67	240.20	-90.55	-814.59	-737.82	2,134.95	1,851.55	283.40	7.533			
10,900.00	6,949.24	6,930.24	6,930.24	122.41	240.21	-90.58	-814.59	-737.82	2,231.51	1,948.48	283.02	7.885			
11,000.00	6,949.50	6,930.50	6,930.50	125.15	240.22	-90.61	-814.59	-737.82	2,328.36	2,045.67	282.68	8.237			
11,100.00	6,949.77	6,930.77	6,930.77	127.90	240.23	-90.63	-814.59	-737.82	2,425.46	2,143.08	282.38	8.589			
11,200.00	6,950.03	6,931.03	6,931.03	130.65	240.24	-90.66	-814.59	-737.82	2,522.79	2,240.69	282.10	8.943			
11,300.00	6,950.30	6,931.30	6,931.30	133.41	240.25	-90.69	-814.59	-737.82	2,620.32	2,338.47	281.85	9.297			
11,400.00	6,950.57	6,931.57	6,931.57	136.17	240.26	-90.71	-814.59	-737.82	2,718.03	2,436.41	281.62	9.651			
11,500.00	6,950.83	6,931.83	6,931.83	138.94	240.27	-90.74	-814.59	-737.82	2,815.90	2,534.49	281.41	10.006			
11,600.00	6,951.10	6,932.10	6,932.10	141.71	240.28	-90.77	-814.59	-737.82	2,913.92	2,632.69	281.22	10.362			
11,700.00	6,951.36	6,932.36	6,932.36	144.48	240.29	-90.79	-814.59	-737.82	3,012.06	2,731.01	281.05	10.717			
11,800.00	6,951.63	6,932.63	6,932.63	147.26	240.30	-90.82	-814.59	-737.82	3,110.33	2,829.43	280.90	11.073			
11,900.00	6,951.90	6,932.90	6,932.90	150.03	240.30	-90.85	-814.59	-737.82	3,208.70	2,927.94	280.76	11.429			
12,000.00	6,952.16	6,933.16	6,933.16	152.82	240.31	-90.87	-814.59	-737.82	3,307.17	3,026.53	280.63	11.785			
12,100.00	6,952.43	6,933.43	6,933.43	155.60	240.32	-90.90	-814.59	-737.82	3,405.72	3,125.20	280.52	12.141			
12,200.00	6,952.69	6,933.69	6,933.69	158.39	240.33	-90.93	-814.59	-737.82	3,504.36	3,223.95	280.42	12.497			
12,300.00	6,952.96	6,933.96	6,933.96	161.18	240.34	-90.96	-814.59	-737.82	3,603.08	3,322.75	280.32	12.853			
12,400.00	6,953.23	6,934.23	6,934.23	163.97	240.35	-90.98	-814.59	-737.82	3,701.86	3,421.62	280.24	13.210			
12,500.00	6,953.49	6,934.49	6,934.49	166.77	240.36	-91.01	-814.59	-737.82	3,800.71	3,520.54	280.17	13.566			
12,600.00	6,953.76	6,934.76	6,934.76	169.56	240.37	-91.04	-814.59	-737.82	3,899.62	3,619.52	280.10	13.922			
12,700.00	6,954.02	6,935.02	6,935.02	172.36	240.38	-91.06	-814.59	-737.82	3,998.58	3,718.54	280.04	14.279			
12,800.00	6,954.29	6,935.29	6,935.29	175.16	240.39	-91.09	-814.59	-737.82	4,097.59	3,817.60	279.99	14.635			
12,900.00	6,954.56	6,935.56	6,935.56	177.97	240.40	-91.12	-814.59	-737.82	4,196.65	3,916.70	279.94	14.991			
13,000.00	6,954.82	6,935.82	6,935.82	180.77	240.41	-91.14	-814.59	-737.82	4,295.75	4,015.84	279.90	15.347			
13,100.00	6,955.09	6,936.09	6,936.09	183.58	240.42	-91.17	-814.59	-737.82	4,394.89	4,115.02	279.87	15.703			
13,200.00	6,955.35	6,936.35	6,936.35	186.38	240.43	-91.20	-814.59	-737.82	4,494.07	4,214.23	279.84	16.059			
13,300.00	6,955.62	6,936.62	6,936.62	189.19	240.43	-91.22	-814.59	-737.82	4,593.29	4,313.46	279.82	16.415			
13,400.00	6,955.89	6,936.89	6,936.89	192.00	240.44	-91.25	-814.59	-737.82	4,692.53	4,412.73	279.80	16.771			
13,500.00	6,956.15	6,937.15	6,937.15	194.82	240.45	-91.28	-814.59	-737.82	4,791.82	4,512.02	279.79	17.126			
13,600.00	6,956.42	6,937.42	6,937.42	197.63	240.46	-91.30	-814.59	-737.82	4,891.12	4,611.34	279.78	17.482			
13,700.00	6,956.68	6,937.68	6,937.68	200.44	240.47	-91.33	-814.59	-737.82	4,990.46	4,710.69	279.78	17.837			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,937.95	6,937.95	203.26	240.48	-91.36	-814.59	-737.82	5,089.82	4,810.05	279.78	18.193		
13,900.00	6,957.22	6,938.22	6,938.22	206.08	240.49	-91.38	-814.59	-737.82	5,189.21	4,909.43	279.78	18.548		
14,000.00	6,957.48	6,938.48	6,938.48	208.89	240.50	-91.41	-814.59	-737.82	5,288.62	5,008.84	279.79	18.902		
14,100.00	6,957.75	6,938.75	6,938.75	211.71	240.51	-91.44	-814.59	-737.82	5,388.06	5,108.26	279.80	19.257		
14,200.00	6,958.02	6,939.02	6,939.02	214.53	240.52	-91.47	-814.59	-737.82	5,487.51	5,207.70	279.81	19.612		
14,300.00	6,958.28	6,939.28	6,939.28	217.36	240.53	-91.49	-814.59	-737.82	5,586.98	5,307.16	279.82	19.966		
14,400.00	6,958.55	6,939.55	6,939.55	220.18	240.54	-91.52	-814.59	-737.82	5,686.47	5,406.63	279.84	20.320		
14,500.00	6,958.81	6,939.81	6,939.81	223.00	240.55	-91.55	-814.59	-737.82	5,785.98	5,506.11	279.87	20.674		
14,600.00	6,959.08	6,940.08	6,940.08	225.83	240.56	-91.57	-814.59	-737.82	5,885.51	5,605.61	279.89	21.028		
14,700.00	6,959.35	6,940.35	6,940.35	228.65	240.56	-91.60	-814.59	-737.82	5,985.05	5,705.13	279.92	21.381		
14,800.00	6,959.61	6,940.61	6,940.61	231.48	240.57	-91.63	-814.59	-737.82	6,084.60	5,804.65	279.95	21.735		
14,900.00	6,959.88	6,940.88	6,940.88	234.30	240.58	-91.65	-814.59	-737.82	6,184.17	5,904.19	279.98	22.088		
15,000.00	6,960.14	6,941.14	6,941.14	237.13	240.59	-91.68	-814.59	-737.82	6,283.76	6,003.74	280.02	22.441		
15,100.00	6,960.41	6,941.41	6,941.41	239.96	240.60	-91.71	-814.59	-737.82	6,383.35	6,103.30	280.05	22.793		
15,200.00	6,960.68	6,941.68	6,941.68	242.79	240.61	-91.73	-814.59	-737.82	6,482.96	6,202.87	280.09	23.146		
15,300.00	6,960.94	6,941.94	6,941.94	245.62	240.62	-91.76	-814.59	-737.82	6,582.58	6,302.45	280.14	23.498		
15,400.00	6,961.21	6,942.21	6,942.21	248.45	240.63	-91.79	-814.59	-737.82	6,682.22	6,402.04	280.18	23.850		
15,500.00	6,961.47	6,942.47	6,942.47	251.28	240.64	-91.81	-814.59	-737.82	6,781.86	6,501.64	280.22	24.201		
15,600.00	6,961.74	6,942.74	6,942.74	254.11	240.65	-91.84	-814.59	-737.82	6,881.51	6,601.24	280.27	24.553		
15,700.00	6,962.01	6,943.01	6,943.01	256.94	240.66	-91.87	-814.59	-737.82	6,981.18	6,700.86	280.32	24.904		
15,800.00	6,962.27	6,943.27	6,943.27	259.77	240.67	-91.89	-814.59	-737.82	7,080.85	6,800.48	280.37	25.255		
15,900.00	6,962.54	6,943.54	6,943.54	262.61	240.68	-91.92	-814.59	-737.82	7,180.53	6,900.11	280.43	25.606		
16,000.00	6,962.80	6,943.80	6,943.80	265.44	240.69	-91.95	-814.59	-737.82	7,280.22	6,999.74	280.48	25.956		
16,100.00	6,963.07	6,944.07	6,944.07	268.28	240.69	-91.97	-814.59	-737.82	7,379.92	7,099.38	280.54	26.306		
16,200.00	6,963.34	6,944.34	6,944.34	271.11	240.70	-92.00	-814.59	-737.82	7,479.63	7,199.03	280.60	26.656		
16,300.00	6,963.60	6,944.60	6,944.60	273.95	240.71	-92.03	-814.59	-737.82	7,579.34	7,298.69	280.66	27.006		
16,400.00	6,963.87	6,944.87	6,944.87	276.78	240.72	-92.06	-814.59	-737.82	7,679.07	7,398.35	280.72	27.355		
16,500.00	6,964.13	6,945.13	6,945.13	279.62	240.73	-92.08	-814.59	-737.82	7,778.80	7,498.01	280.78	27.704		
16,600.00	6,964.40	6,945.40	6,945.40	282.46	240.74	-92.11	-814.59	-737.82	7,878.53	7,597.69	280.85	28.053		
16,700.00	6,964.67	6,945.67	6,945.67	285.29	240.75	-92.14	-814.59	-737.82	7,978.28	7,697.36	280.91	28.401		
16,800.00	6,964.93	6,945.93	6,945.93	288.13	240.76	-92.16	-814.59	-737.82	8,078.02	7,797.04	280.98	28.749		
16,900.00	6,965.20	6,946.20	6,946.20	290.97	240.77	-92.19	-814.59	-737.82	8,177.78	7,896.73	281.05	29.097		
17,000.00	6,965.46	6,946.46	6,946.46	293.81	240.78	-92.22	-814.59	-737.82	8,277.54	7,996.42	281.12	29.445		
17,100.00	6,965.73	6,946.73	6,946.73	296.65	240.79	-92.24	-814.59	-737.82	8,377.31	8,096.12	281.19	29.792		
17,200.00	6,966.00	6,947.00	6,947.00	299.49	240.80	-92.27	-814.59	-737.82	8,477.08	8,195.82	281.27	30.139		
17,300.00	6,966.26	6,947.26	6,947.26	302.32	240.81	-92.30	-814.59	-737.82	8,576.86	8,295.52	281.34	30.486		
17,400.00	6,966.53	6,947.53	6,947.53	305.16	240.82	-92.32	-814.59	-737.82	8,676.64	8,395.23	281.42	30.832		
17,500.00	6,966.80	6,947.80	6,947.80	308.00	240.82	-92.35	-814.59	-737.82	8,776.43	8,494.94	281.49	31.178		
17,600.00	6,967.06	6,948.06	6,948.06	310.85	240.83	-92.38	-814.59	-737.82	8,876.22	8,594.65	281.57	31.524		
17,700.00	6,967.33	6,948.33	6,948.33	313.69	240.84	-92.40	-814.59	-737.82	8,976.02	8,694.37	281.65	31.869		
17,800.00	6,967.59	6,948.59	6,948.59	316.53	240.85	-92.43	-814.59	-737.82	9,075.82	8,794.09	281.73	32.215		
17,900.00	6,967.86	6,948.86	6,948.86	319.37	240.86	-92.46	-814.59	-737.82	9,175.63	8,893.81	281.81	32.559		
18,000.00	6,968.13	6,949.13	6,949.13	322.21	240.87	-92.48	-814.59	-737.82	9,275.44	8,993.54	281.89	32.904		
18,100.00	6,968.39	6,949.39	6,949.39	325.05	240.88	-92.51	-814.59	-737.82	9,375.25	9,093.27	281.98	33.248		
18,200.00	6,968.66	6,949.66	6,949.66	327.90	240.89	-92.54	-814.59	-737.82	9,475.07	9,193.00	282.06	33.592		
18,300.00	6,968.92	6,949.92	6,949.92	330.74	240.90	-92.56	-814.59	-737.82	9,574.89	9,292.74	282.15	33.935		
18,400.00	6,969.19	6,950.19	6,950.19	333.58	240.91	-92.59	-814.59	-737.82	9,674.72	9,392.48	282.24	34.279		
18,500.00	6,969.46	6,950.46	6,950.46	336.43	240.92	-92.62	-814.59	-737.82	9,774.54	9,492.22	282.33	34.622		
18,600.00	6,969.72	6,950.72	6,950.72	339.27	240.93	-92.64	-814.59	-737.82	9,874.38	9,591.96	282.41	34.964		
18,704.56	6,970.00	6,951.00	6,951.00	342.24	240.94	-92.67	-814.59	-737.82	9,978.77	9,696.26	282.51	35.322		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-66.20	182.51	-413.81	452.59					
100.00	100.00	80.32	80.31	3.28	3.28	-66.15	182.98	-413.86	452.51	445.94	6.57	68.879		
200.00	200.00	180.94	180.93	3.34	3.33	-66.00	184.27	-413.96	453.12	446.46	6.67	67.973		
300.00	299.98	281.34	281.32	3.44	3.43	-165.95	185.14	-413.99	455.20	448.33	6.87	66.250		
400.00	399.84	380.56	380.54	3.60	3.57	-166.00	185.88	-414.12	460.70	453.52	7.17	64.221		
500.00	499.45	480.90	480.88	3.80	3.77	-166.14	186.67	-414.26	469.60	462.04	7.57	62.052		
600.00	598.70	580.01	579.98	4.05	3.99	-166.36	187.30	-414.33	481.76	473.73	8.04	59.939		
700.00	697.47	677.55	677.53	4.33	4.24	-166.66	187.85	-414.58	497.44	488.87	8.57	58.052		
803.50	799.05	779.30	779.27	4.67	4.53	-167.03	188.47	-414.98	517.36	508.18	9.18	56.368		
900.00	893.41	872.09	872.06	5.02	4.82	-167.48	188.93	-415.42	537.65	527.87	9.78	54.981		
1,000.00	991.20	969.31	969.28	5.41	5.13	-167.93	189.38	-416.18	558.98	548.55	10.44	53.567		
1,100.00	1,088.99	1,068.12	1,068.08	5.81	5.46	-168.35	189.83	-416.85	580.25	569.12	11.13	52.140		
1,200.00	1,186.78	1,164.03	1,163.99	6.23	5.80	-168.74	190.14	-417.48	601.47	589.63	11.84	50.817		
1,300.00	1,284.57	1,262.26	1,262.22	6.67	6.15	-169.11	190.51	-418.42	623.02	610.45	12.57	49.546		
1,400.00	1,382.36	1,360.24	1,360.19	7.12	6.51	-169.49	190.55	-419.19	644.31	630.98	13.33	48.336		
1,500.00	1,480.15	1,457.14	1,457.09	7.57	6.87	-169.81	190.89	-419.97	665.76	651.66	14.09	47.234		
1,600.00	1,577.94	1,555.47	1,555.42	8.03	7.25	-170.14	191.02	-420.78	687.15	672.26	14.89	46.148		
1,700.00	1,675.73	1,652.96	1,652.90	8.50	7.63	-170.44	191.06	-421.03	708.01	692.32	15.70	45.104		
1,800.00	1,773.52	1,750.46	1,750.40	8.98	8.02	-170.73	190.91	-421.14	728.71	712.21	16.50	44.158		
1,900.00	1,871.31	1,848.60	1,848.54	9.45	8.40	-171.00	190.71	-421.19	749.35	732.04	17.31	43.283		
2,000.00	1,969.10	1,945.90	1,945.85	9.94	8.78	-171.27	190.32	-421.30	770.00	751.88	18.13	42.482		
2,100.00	2,066.88	2,043.09	2,043.03	10.42	9.17	-171.55	189.75	-421.58	790.78	771.83	18.94	41.744		
2,200.00	2,164.67	2,140.93	2,140.86	10.91	9.56	-171.87	188.39	-422.14	811.58	791.81	19.77	41.048		
2,300.00	2,262.46	2,238.88	2,238.79	11.40	9.95	-172.22	186.45	-422.88	832.42	811.82	20.60	40.410		
2,400.00	2,360.25	2,336.68	2,336.56	11.89	10.34	-172.56	184.39	-423.85	853.47	832.04	21.42	39.836		
2,500.00	2,458.04	2,433.92	2,433.77	12.39	10.72	-172.89	182.34	-425.04	874.78	852.53	22.24	39.328		
2,600.00	2,555.83	2,531.61	2,531.42	12.88	11.10	-173.20	180.42	-426.76	896.68	873.63	23.05	38.895		
2,700.00	2,653.62	2,629.39	2,629.27	13.38	11.50	-173.49	178.70	-428.71	918.86	894.97	23.89	38.459		
2,800.00	2,751.41	2,727.19	2,727.04	13.88	11.89	-173.76	177.23	-430.72	941.19	916.46	24.73	38.059		
2,900.00	2,849.20	2,824.98	2,824.86	14.38	12.30	-174.01	175.83	-432.80	963.61	938.03	25.58	37.672		
3,000.00	2,946.99	2,922.77	2,922.61	14.88	12.71	-174.25	174.45	-434.79	985.93	959.49	26.44	37.288		
3,100.00	3,044.78	3,020.56	3,020.40	15.38	13.11	-174.46	173.38	-436.55	1,008.14	980.84	27.30	36.926		
3,200.00	3,142.57	3,118.35	3,118.16	15.89	13.53	-174.64	172.56	-438.06	1,030.18	1,002.00	28.17	36.564		
3,300.00	3,240.36	3,216.14	3,216.00	16.39	13.95	-174.82	171.65	-439.25	1,051.89	1,022.84	29.05	36.208		
3,400.00	3,338.15	3,313.93	3,313.76	16.89	14.34	-174.97	170.92	-440.46	1,073.73	1,043.85	29.88	35.931		
3,500.00	3,435.93	3,411.71	3,411.52	17.40	14.77	-175.11	170.39	-441.62	1,095.51	1,064.73	30.78	35.596		
3,600.00	3,533.72	3,509.50	3,509.32	17.90	15.18	-175.24	169.88	-442.47	1,117.04	1,085.39	31.65	35.297		
3,700.00	3,631.51	3,607.29	3,607.10	18.41	15.55	-175.35	169.58	-443.53	1,138.92	1,106.48	32.45	35.102		
3,800.00	3,729.30	3,705.08	3,704.88	18.92	15.97	-175.45	169.63	-444.88	1,161.07	1,127.74	33.32	34.842		
3,900.00	3,827.09	3,802.87	3,802.66	19.42	16.38	-175.53	170.01	-445.98	1,183.06	1,148.86	34.20	34.595		
4,000.00	3,924.88	3,899.66	3,899.45	19.93	16.79	-175.58	170.75	-446.92	1,205.00	1,169.94	35.06	34.369		
4,100.00	4,022.67	3,998.45	3,998.24	20.44	17.19	-175.63	171.56	-447.94	1,227.09	1,191.19	35.90	34.180		
4,200.00	4,120.46	4,096.24	4,096.03	20.95	17.59	-175.68	172.26	-449.25	1,249.43	1,212.68	36.75	33.999		
4,300.00	4,218.25	4,194.03	4,193.82	21.46	18.02	-175.74	173.00	-450.60	1,271.70	1,234.05	37.66	33.772		
4,400.00	4,316.04	4,291.82	4,291.61	21.97	18.45	-175.81	173.35	-451.57	1,293.54	1,254.98	38.56	33.550		
4,500.00	4,413.83	4,389.61	4,389.40	22.48	18.85	-175.87	173.57	-452.41	1,315.29	1,275.88	39.41	33.377		
4,600.00	4,511.62	4,487.40	4,487.19	22.99	19.27	-175.94	173.78	-453.39	1,337.14	1,296.86	40.28	33.193		
4,700.00	4,609.41	4,585.19	4,584.98	23.50	19.68	-176.01	173.88	-454.32	1,358.94	1,317.79	41.15	33.023		
4,800.00	4,707.20	4,683.00	4,682.79	24.01	20.10	-176.10	173.34	-455.43	1,380.74	1,338.71	42.03	32.851		
4,900.00	4,804.98	4,780.78	4,780.57	24.52	20.50	-176.20	172.65	-456.52	1,402.52	1,359.62	42.89	32.699		
5,000.00	4,902.77	4,878.57	4,878.36	25.03	20.91	-176.30	171.70	-457.79	1,424.39	1,380.64	43.76	32.551		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,100.00	5,000.56	4,966.56	4,966.04	25.54	21.32	-176.41	170.60	-459.13	1,446.34	1,401.73	44.61	32.420					
5,200.00	5,098.35	5,066.65	5,066.12	26.05	21.74	-176.53	169.37	-460.65	1,468.38	1,422.88	45.50	32.270					
5,300.00	5,196.14	5,166.50	5,165.95	26.56	22.16	-176.64	168.01	-461.92	1,490.16	1,443.76	46.39	32.120					
5,400.00	5,293.93	5,273.18	5,272.60	27.07	22.61	-176.77	166.10	-463.11	1,511.70	1,464.37	47.33	31.938					
5,500.00	5,391.72	5,375.31	5,374.73	27.58	23.05	-176.87	164.72	-463.51	1,532.65	1,484.41	48.24	31.773					
5,600.00	5,489.51	5,472.72	5,472.13	28.09	23.46	-176.96	163.60	-463.76	1,553.53	1,504.42	49.11	31.634					
5,700.00	5,587.30	5,575.59	5,574.99	28.61	23.89	-177.06	162.18	-464.00	1,574.33	1,524.31	50.02	31.474					
5,800.00	5,685.09	5,675.51	5,674.89	29.12	24.32	-177.15	160.60	-463.95	1,594.82	1,543.91	50.91	31.326					
5,900.00	5,782.88	5,771.07	5,770.44	29.63	24.72	-177.23	159.28	-463.88	1,615.34	1,563.57	51.77	31.203					
6,000.00	5,880.67	5,876.41	5,875.77	30.14	25.16	-177.33	157.65	-463.79	1,635.83	1,583.13	52.70	31.042					
6,100.00	5,978.46	5,973.11	5,972.47	30.65	25.57	-177.40	156.42	-463.28	1,655.95	1,602.38	53.56	30.915					
6,200.00	6,076.25	6,077.06	6,076.41	31.17	26.01	-177.46	155.61	-462.66	1,676.10	1,621.62	54.48	30.764					
6,298.86	6,172.92	6,171.68	6,171.02	31.67	26.41	-177.51	154.72	-461.85	1,695.75	1,640.42	55.33	30.646					
6,300.00	6,174.03	6,172.73	6,172.07	31.68	26.42	-177.60	154.71	-461.84	1,695.98	1,640.64	55.34	30.645					
6,350.00	6,223.30	6,221.84	6,221.17	31.92	26.62	176.07	154.16	-461.54	1,704.05	1,648.27	55.77	30.553					
6,400.00	6,273.06	6,275.32	6,274.66	32.13	26.85	154.60	153.55	-461.14	1,708.24	1,652.02	56.22	30.383					
6,450.00	6,323.01	6,325.36	6,324.68	32.32	27.06	64.23	153.01	-460.68	1,708.53	1,651.90	56.63	30.171					
6,500.00	6,372.84	6,372.15	6,371.48	32.48	27.26	32.11	152.60	-460.29	1,705.07	1,648.08	56.99	29.920					
6,550.00	6,422.24	6,419.93	6,419.25	32.65	27.46	24.61	152.28	-459.94	1,697.88	1,640.54	57.34	29.612					
6,600.00	6,470.92	6,469.05	6,468.36	32.83	27.67	21.69	151.94	-459.60	1,686.94	1,629.26	57.68	29.246					
6,650.00	6,518.56	6,515.63	6,514.95	33.01	27.86	20.38	151.59	-459.27	1,672.33	1,614.33	57.99	28.836					
6,700.00	6,564.89	6,558.38	6,557.70	33.21	28.05	19.88	151.25	-459.04	1,654.20	1,595.93	58.27	28.391					
6,750.00	6,609.60	6,599.72	6,599.03	33.43	28.22	19.89	150.90	-458.91	1,632.70	1,574.19	58.52	27.902					
6,800.00	6,652.43	6,642.78	6,642.09	33.66	28.40	20.34	150.49	-458.83	1,607.92	1,549.15	58.77	27.360					
6,850.00	6,693.10	6,683.70	6,683.01	33.91	28.58	21.16	150.03	-458.77	1,579.98	1,520.97	59.00	26.779					
6,900.00	6,731.38	6,720.93	6,720.23	34.20	28.73	22.36	149.59	-458.71	1,549.05	1,489.85	59.20	26.165					
6,950.00	6,767.02	6,754.73	6,754.03	34.51	28.88	23.97	149.27	-458.69	1,515.40	1,456.02	59.38	25.522					
7,000.00	6,799.81	6,785.84	6,785.15	34.85	29.01	26.09	149.05	-458.67	1,479.24	1,419.70	59.54	24.846					
7,050.00	6,829.54	6,813.91	6,813.22	35.24	29.13	28.83	148.92	-458.68	1,440.79	1,381.12	59.68	24.143					
7,100.00	6,856.03	6,838.83	6,838.13	35.66	29.24	32.35	148.83	-458.71	1,400.33	1,340.52	59.81	23.413					
7,150.00	6,879.11	6,860.63	6,859.93	36.12	29.33	36.87	148.77	-458.75	1,358.10	1,298.16	59.93	22.660					
7,200.00	6,898.65	6,879.15	6,878.45	36.62	29.41	42.68	148.72	-458.80	1,314.38	1,254.32	60.06	21.886					
7,250.00	6,914.51	6,894.28	6,893.58	37.15	29.47	50.06	148.70	-458.86	1,269.46	1,209.28	60.18	21.094					
7,300.00	6,926.62	6,906.15	6,905.45	37.73	29.52	59.26	148.68	-458.90	1,223.63	1,163.32	60.31	20.288					
7,350.00	6,934.88	6,914.49	6,913.80	38.34	29.56	70.16	148.67	-458.94	1,177.19	1,116.74	60.46	19.472					
7,400.00	6,939.26	6,919.01	6,918.31	38.97	29.58	82.08	148.66	-458.95	1,130.47	1,069.85	60.62	18.649					
7,429.12	6,940.00	6,919.86	6,919.16	39.34	29.58	89.04	148.66	-458.96	1,103.24	1,042.53	60.72	18.170					
7,500.00	6,940.19	6,920.34	6,919.64	40.31	29.58	89.11	148.66	-458.96	1,037.36	976.34	61.02	17.001					
7,600.00	6,940.46	6,921.01	6,920.31	41.80	29.59	89.21	148.66	-458.96	945.64	884.03	61.61	15.349					
7,700.00	6,940.72	6,921.68	6,920.98	43.43	29.59	89.31	148.66	-458.97	855.77	793.30	62.47	13.698					
7,800.00	6,940.99	6,922.35	6,921.66	45.19	29.59	89.41	148.66	-458.97	768.41	704.67	63.74	12.056					
7,900.00	6,941.25	6,923.03	6,922.33	47.05	29.59	89.50	148.66	-458.97	684.52	618.95	65.56	10.441					
8,000.00	6,941.52	6,923.70	6,923.01	49.02	29.60	89.60	148.66	-458.97	605.53	537.37	68.16	8.884					
8,100.00	6,941.79	6,924.38	6,923.68	51.06	29.60	89.70	148.66	-458.98	533.65	461.90	71.74	7.438					
8,200.00	6,942.05	6,925.06	6,924.36	53.18	29.60	89.80	148.66	-458.98	472.11	395.73	76.38	6.181					
8,300.00	6,942.32	6,925.74	6,925.04	55.37	29.61	89.90	148.66	-458.98	425.43	343.74	81.68	5.208					
8,400.00	6,942.58	6,926.42	6,925.72	57.62	29.61	90.00	148.66	-458.99	398.87	312.34	86.53	4.609					
8,459.48	6,942.74	6,926.82	6,926.12	58.99	29.61	90.06	148.66	-458.99	394.41	305.86	88.55	4.454 CC, ES					
8,500.00	6,942.85	6,927.10	6,926.40	59.92	29.61	90.10	148.66	-458.99	396.48	307.10	89.38	4.436 SF					
8,600.00	6,943.12	6,927.78	6,927.08	62.26	29.61	90.19	148.65	-458.99	418.69	329.17	89.52	4.677					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	6,928.46	6,927.76	64.65	29.62	90.29	148.65	-458.99	461.96	374.34	87.62	5.272		
8,800.00	6,943.65	6,929.14	6,928.45	67.08	29.62	90.39	148.65	-459.00	521.06	436.20	84.86	6.140		
8,900.00	6,943.91	6,929.83	6,929.13	69.53	29.62	90.49	148.65	-459.00	591.27	509.24	82.04	7.207		
9,000.00	6,944.18	6,930.52	6,929.82	72.02	29.63	90.59	148.65	-459.00	669.11	589.60	79.51	8.415		
9,100.00	6,944.45	6,931.20	6,930.51	74.54	29.63	90.69	148.65	-459.01	752.20	674.83	77.37	9.723		
9,200.00	6,944.71	6,931.89	6,931.19	77.07	29.63	90.79	148.65	-459.01	838.99	763.40	75.58	11.100		
9,300.00	6,944.98	6,932.58	6,931.88	79.63	29.63	90.89	148.65	-459.01	928.44	854.32	74.11	12.527		
9,400.00	6,945.24	6,933.27	6,932.57	82.21	29.64	90.99	148.65	-459.01	1,019.85	946.95	72.90	13.991		
9,500.00	6,945.51	6,933.96	6,933.26	84.81	29.64	91.09	148.65	-459.02	1,112.74	1,040.86	71.88	15.480		
9,600.00	6,945.78	6,934.65	6,933.96	87.43	29.64	91.19	148.65	-459.02	1,206.76	1,135.73	71.03	16.989		
9,700.00	6,946.04	6,935.35	6,934.65	90.05	29.65	91.29	148.65	-459.02	1,301.68	1,231.37	70.31	18.513		
9,800.00	6,946.31	6,936.04	6,935.34	92.70	29.65	91.39	148.65	-459.03	1,397.31	1,327.60	69.70	20.047		
9,900.00	6,946.57	6,936.74	6,936.04	95.35	29.65	91.50	148.65	-459.03	1,493.50	1,424.33	69.18	21.590		
10,000.00	6,946.84	6,937.43	6,936.74	98.02	29.66	91.60	148.65	-459.03	1,590.17	1,521.45	68.72	23.138		
10,100.00	6,947.11	6,938.13	6,937.43	100.70	29.66	91.70	148.65	-459.03	1,687.23	1,618.89	68.33	24.691		
10,200.00	6,947.37	6,938.83	6,938.13	103.38	29.66	91.80	148.64	-459.04	1,784.61	1,716.61	67.99	26.247		
10,300.00	6,947.64	6,939.53	6,938.83	106.08	29.66	91.90	148.64	-459.04	1,882.26	1,814.57	67.69	27.806		
10,400.00	6,947.90	6,940.23	6,939.53	108.78	29.67	92.00	148.64	-459.04	1,980.15	1,912.72	67.43	29.366		
10,500.00	6,948.17	6,940.93	6,940.23	111.49	29.67	92.10	148.64	-459.05	2,078.24	2,011.04	67.20	30.926		
10,600.00	6,948.44	6,941.63	6,940.94	114.21	29.67	92.21	148.64	-459.05	2,176.50	2,109.51	67.00	32.487		
10,700.00	6,948.70	6,942.34	6,941.64	116.94	29.68	92.31	148.64	-459.05	2,274.92	2,208.10	66.81	34.048		
10,800.00	6,948.97	6,943.04	6,942.35	119.67	29.68	92.41	148.64	-459.06	2,373.46	2,306.81	66.65	35.608		
10,900.00	6,949.24	6,943.75	6,943.05	122.41	29.68	92.51	148.64	-459.06	2,472.13	2,405.61	66.51	37.168		
11,000.00	6,949.50	6,944.46	6,943.76	125.15	29.69	92.62	148.64	-459.06	2,570.89	2,504.51	66.39	38.726		
11,100.00	6,949.77	6,945.17	6,944.47	127.90	29.69	92.72	148.64	-459.06	2,669.75	2,603.48	66.27	40.283		
11,200.00	6,950.03	6,945.87	6,945.18	130.65	29.69	92.82	148.64	-459.07	2,768.69	2,702.51	66.18	41.839		
11,300.00	6,950.30	6,946.59	6,945.89	133.41	29.69	92.92	148.64	-459.07	2,867.70	2,801.62	66.09	43.393		
11,400.00	6,950.57	6,947.30	6,946.60	136.17	29.70	93.03	148.64	-459.07	2,966.78	2,900.77	66.01	44.944		
11,500.00	6,950.83	6,948.01	6,947.31	138.94	29.70	93.13	148.64	-459.08	3,065.92	2,999.98	65.94	46.494		
11,600.00	6,951.10	6,948.72	6,948.03	141.71	29.70	93.23	148.64	-459.08	3,165.11	3,099.23	65.88	48.041		
11,700.00	6,951.36	6,949.44	6,948.74	144.48	29.71	93.34	148.64	-459.08	3,264.36	3,198.52	65.83	49.587		
11,800.00	6,951.63	6,950.16	6,949.46	147.26	29.71	93.44	148.64	-459.09	3,363.64	3,297.85	65.79	51.129		
11,900.00	6,951.90	6,950.87	6,950.18	150.03	29.71	93.55	148.64	-459.09	3,462.97	3,397.22	65.75	52.669		
12,000.00	6,952.16	6,951.59	6,950.89	152.82	29.72	93.65	148.64	-459.09	3,562.33	3,496.62	65.72	54.207		
12,100.00	6,952.43	6,952.31	6,951.61	155.60	29.72	93.75	148.64	-459.10	3,661.73	3,596.04	65.69	55.741		
12,200.00	6,952.69	6,953.03	6,952.33	158.39	29.72	93.86	148.63	-459.10	3,761.17	3,695.49	65.67	57.273		
12,300.00	6,952.96	6,953.75	6,953.06	161.18	29.72	93.96	148.63	-459.10	3,860.63	3,794.97	65.66	58.802		
12,400.00	6,953.23	6,954.48	6,953.78	163.97	29.73	94.07	148.63	-459.11	3,960.11	3,894.47	65.64	60.327		
12,500.00	6,953.49	6,955.20	6,954.50	166.77	29.73	94.17	148.63	-459.11	4,059.63	3,993.99	65.64	61.850		
12,600.00	6,953.76	6,955.93	6,955.23	169.56	29.73	94.28	148.63	-459.11	4,159.16	4,093.53	65.63	63.369		
12,700.00	6,954.02	6,956.65	6,955.95	172.36	29.74	94.38	148.63	-459.12	4,258.72	4,193.08	65.64	64.885		
12,800.00	6,954.29	6,957.38	6,956.68	175.16	29.74	94.49	148.63	-459.12	4,358.30	4,292.66	65.64	66.397		
12,900.00	6,954.56	6,958.11	6,957.41	177.97	29.74	94.59	148.63	-459.12	4,457.89	4,392.25	65.65	67.906		
13,000.00	6,954.82	6,958.84	6,958.14	180.77	29.75	94.70	148.63	-459.12	4,557.51	4,491.85	65.66	69.412		
13,100.00	6,955.09	6,959.57	6,958.87	183.58	29.75	94.80	148.63	-459.13	4,657.14	4,591.46	65.67	70.914		
13,200.00	6,955.35	6,960.30	6,959.60	186.38	29.75	94.91	148.63	-459.13	4,756.78	4,691.09	65.69	72.412		
13,300.00	6,955.62	6,961.03	6,960.34	189.19	29.76	95.01	148.63	-459.13	4,856.44	4,790.73	65.71	73.907		
13,400.00	6,955.89	6,961.77	6,961.07	192.00	29.76	95.12	148.63	-459.14	4,956.12	4,890.38	65.73	75.398		
13,500.00	6,956.15	6,962.50	6,961.81	194.82	29.76	95.22	148.63	-459.14	5,055.80	4,990.05	65.76	76.885		
13,600.00	6,956.42	6,963.24	6,962.54	197.63	29.77	95.33	148.63	-459.14	5,155.50	5,089.72	65.79	78.368		
13,700.00	6,956.68	6,963.98	6,963.28	200.44	29.77	95.44	148.63	-459.15	5,255.21	5,189.40	65.82	79.847		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
13,800.00	6,956.95	6,964.72	6,964.02	203.26	29.77	95.54	148.63	-459.15	5,354.93	5,289.09	65.85	81.322					
13,900.00	6,957.22	6,965.46	6,964.76	206.08	29.77	95.65	148.63	-459.15	5,454.66	5,388.78	65.88	82.794					
14,000.00	6,957.48	6,966.20	6,965.50	208.89	29.78	95.76	148.63	-459.16	5,554.40	5,488.49	65.92	84.261					
14,100.00	6,957.75	6,966.94	6,966.24	211.71	29.78	95.86	148.63	-459.16	5,654.15	5,588.20	65.96	85.724					
14,200.00	6,958.02	6,967.69	6,966.99	214.53	29.78	95.97	148.63	-459.16	5,753.91	5,687.91	66.00	87.182					
14,300.00	6,958.28	6,968.43	6,967.73	217.36	29.79	96.08	148.63	-459.17	5,853.68	5,787.64	66.04	88.637					
14,400.00	6,958.55	6,969.18	6,968.48	220.18	29.79	96.18	148.63	-459.17	5,953.45	5,887.37	66.09	90.087					
14,500.00	6,958.81	6,969.92	6,969.23	223.00	29.79	96.29	148.63	-459.17	6,053.23	5,987.10	66.13	91.533					
14,600.00	6,959.08	6,970.67	6,969.98	225.83	29.80	96.40	148.63	-459.18	6,153.02	6,086.84	66.18	92.975					
14,700.00	6,959.35	6,971.42	6,970.72	228.65	29.80	96.51	148.63	-459.18	6,252.82	6,186.59	66.23	94.412					
14,800.00	6,959.61	6,972.17	6,971.48	231.48	29.80	96.61	148.63	-459.18	6,352.62	6,286.34	66.28	95.844					
14,900.00	6,959.88	6,972.93	6,972.23	234.30	29.81	96.72	148.63	-459.19	6,452.43	6,386.09	66.33	97.272					
15,000.00	6,960.14	6,973.68	6,972.98	237.13	29.81	96.83	148.63	-459.19	6,552.24	6,485.85	66.39	98.696					
15,100.00	6,960.41	6,974.43	6,973.74	239.96	29.81	96.94	148.63	-459.19	6,652.06	6,585.61	66.44	100.115					
15,200.00	6,960.68	6,975.19	6,974.49	242.79	29.82	97.05	148.63	-459.20	6,751.88	6,685.38	66.50	101.530					
15,300.00	6,960.94	6,975.95	6,975.25	245.62	29.82	97.15	148.62	-459.20	6,851.71	6,785.15	66.56	102.940					
15,400.00	6,961.21	6,976.70	6,976.01	248.45	29.82	97.26	148.62	-459.21	6,951.55	6,884.92	66.62	104.345					
15,500.00	6,961.47	6,977.46	6,976.77	251.28	29.83	97.37	148.62	-459.21	7,051.38	6,984.70	66.68	105.745					
15,600.00	6,961.74	6,978.22	6,977.53	254.11	29.83	97.48	148.62	-459.21	7,151.23	7,084.48	66.75	107.141					
15,700.00	6,962.01	6,978.99	6,978.29	256.94	29.83	97.59	148.62	-459.22	7,251.07	7,184.26	66.81	108.532					
15,800.00	6,962.27	6,979.75	6,979.05	259.77	29.84	97.70	148.62	-459.22	7,350.93	7,284.05	66.88	109.918					
15,900.00	6,962.54	6,980.51	6,979.82	262.61	29.84	97.81	148.62	-459.22	7,450.78	7,383.84	66.94	111.300					
16,000.00	6,962.80	6,981.28	6,980.58	265.44	29.84	97.92	148.62	-459.23	7,550.64	7,483.63	67.01	112.676					
16,100.00	6,963.07	6,982.05	6,981.35	268.28	29.85	98.03	148.62	-459.23	7,650.50	7,583.42	67.08	114.048					
16,200.00	6,963.34	6,982.81	6,982.12	271.11	29.85	98.13	148.62	-459.23	7,750.37	7,683.22	67.15	115.415					
16,300.00	6,963.60	6,983.58	6,982.89	273.95	29.85	98.24	148.62	-459.24	7,850.24	7,783.01	67.22	116.777					
16,400.00	6,963.87	6,984.35	6,983.66	276.78	29.86	98.35	148.62	-459.24	7,950.11	7,882.81	67.30	118.134					
16,500.00	6,964.13	6,985.13	6,984.43	279.62	29.86	98.46	148.62	-459.24	8,049.99	7,982.62	67.37	119.486					
16,600.00	6,964.40	6,985.90	6,985.20	282.46	29.86	98.57	148.62	-459.25	8,149.87	8,082.42	67.45	120.833					
16,700.00	6,964.67	6,986.67	6,985.98	285.29	29.87	98.68	148.62	-459.25	8,249.75	8,182.22	67.52	122.175					
16,800.00	6,964.93	6,987.45	6,986.75	288.13	29.87	98.79	148.62	-459.25	8,349.63	8,282.03	67.60	123.512					
16,900.00	6,965.20	6,988.23	6,987.53	290.97	29.87	98.90	148.62	-459.26	8,449.52	8,381.84	67.68	124.845					
17,000.00	6,965.46	6,989.00	6,988.31	293.81	29.88	99.01	148.62	-459.26	8,549.41	8,481.65	67.76	126.172					
17,100.00	6,965.73	6,989.78	6,989.08	296.65	29.88	99.12	148.62	-459.27	8,649.30	8,581.46	67.84	127.494					
17,200.00	6,966.00	6,990.56	6,989.87	299.49	29.88	99.24	148.62	-459.27	8,749.19	8,681.27	67.92	128.810					
17,300.00	6,966.26	6,991.35	6,990.65	302.32	29.89	99.35	148.62	-459.27	8,849.09	8,781.09	68.01	130.122					
17,400.00	6,966.53	6,992.13	6,991.43	305.16	29.89	99.46	148.62	-459.28	8,948.99	8,880.90	68.09	131.429					
17,500.00	6,966.80	6,992.91	6,992.21	308.00	29.89	99.57	148.62	-459.28	9,048.89	8,980.72	68.17	132.731					
17,600.00	6,967.06	6,993.70	6,993.00	310.85	29.90	99.68	148.62	-459.28	9,148.80	9,080.53	68.26	134.027					
17,700.00	6,967.33	6,994.49	6,993.79	313.69	29.90	99.79	148.62	-459.29	9,248.70	9,180.35	68.35	135.318					
17,800.00	6,967.59	6,995.27	6,994.58	316.53	29.90	99.90	148.62	-459.29	9,348.61	9,280.17	68.44	136.604					
17,900.00	6,967.86	6,996.06	6,995.37	319.37	29.91	100.01	148.62	-459.30	9,448.52	9,379.99	68.52	137.885					
18,000.00	6,968.13	6,996.85	6,996.16	322.21	29.91	100.12	148.62	-459.30	9,548.43	9,479.81	68.61	139.161					
18,100.00	6,968.39	6,997.65	6,996.95	325.05	29.91	100.23	148.62	-459.30	9,648.34	9,579.64	68.70	140.432					
18,200.00	6,968.66	6,998.44	6,997.74	327.90	29.92	100.35	148.62	-459.31	9,748.26	9,679.46	68.80	141.698					
18,300.00	6,968.92	6,999.23	6,998.54	330.74	29.92	100.46	148.62	-459.31	9,848.17	9,779.28	68.89	142.958					
18,400.00	6,969.19	7,000.03	6,999.33	333.58	29.92	100.57	148.62	-459.31	9,948.09	9,879.11	68.98	144.213					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-118.43	-2,321.72	-4,287.84	4,876.08					
100.00	100.00	106.78	106.78	3.28	3.29	-118.43	-2,321.63	-4,287.62	4,875.87	4,869.30	6.57	741.825		
194.13	194.13	180.13	180.13	3.33	3.33	-118.43	-2,321.45	-4,287.58	4,875.70	4,869.04	6.66	732.151		
200.00	200.00	184.85	184.85	3.34	3.33	-118.43	-2,321.43	-4,287.58	4,875.70	4,869.03	6.67	731.262		
300.00	299.98	320.31	320.31	3.44	3.48	141.58	-2,320.50	-4,287.69	4,876.83	4,869.91	6.92	704.673		
400.00	399.84	417.71	417.70	3.60	3.64	141.58	-2,319.89	-4,287.22	4,880.22	4,872.98	7.24	674.425		
500.00	499.45	485.07	485.06	3.80	3.77	141.54	-2,319.74	-4,287.05	4,886.73	4,879.16	7.57	645.240		
600.00	598.70	585.95	585.94	4.05	4.00	141.52	-2,319.50	-4,287.26	4,896.37	4,888.32	8.05	608.219		
700.00	697.47	723.43	723.42	4.33	4.37	141.54	-2,318.42	-4,287.13	4,908.21	4,899.51	8.70	564.226		
803.50	799.05	821.34	821.33	4.67	4.65	141.49	-2,317.87	-4,286.51	4,922.98	4,913.66	9.32	528.332		
900.00	893.41	895.81	895.79	5.02	4.89	141.60	-2,317.74	-4,286.13	4,938.40	4,928.52	9.88	499.666		
1,000.00	991.20	972.30	972.29	5.41	5.13	141.72	-2,317.75	-4,286.02	4,954.83	4,944.33	10.49	472.156		
1,100.00	1,088.99	1,061.08	1,061.06	5.81	5.43	141.86	-2,317.65	-4,286.31	4,971.63	4,960.46	11.17	444.981		
1,200.00	1,186.78	1,186.25	1,186.23	6.23	5.86	142.05	-2,316.99	-4,286.80	4,988.36	4,976.35	12.01	415.456		
1,300.00	1,284.57	1,281.67	1,281.65	6.67	6.21	142.20	-2,316.53	-4,286.72	5,004.71	4,991.95	12.76	392.240		
1,400.00	1,382.36	1,368.21	1,368.19	7.12	6.52	142.33	-2,316.54	-4,286.60	5,021.27	5,007.78	13.50	372.081		
1,500.00	1,480.15	1,447.87	1,447.85	7.57	6.82	142.44	-2,316.77	-4,286.62	5,038.13	5,023.92	14.22	354.382		
1,600.00	1,577.94	1,527.30	1,527.27	8.03	7.12	142.56	-2,317.06	-4,286.99	5,055.42	5,040.47	14.95	338.223		
1,700.00	1,675.73	1,613.72	1,613.69	8.50	7.45	142.68	-2,317.42	-4,287.61	5,073.00	5,057.29	15.71	322.835		
1,800.00	1,773.52	1,698.71	1,698.68	8.98	7.77	142.80	-2,318.03	-4,288.32	5,090.84	5,074.36	16.48	308.854		
1,900.00	1,871.31	1,785.04	1,784.99	9.45	8.11	142.93	-2,318.79	-4,289.20	5,108.94	5,091.68	17.26	295.922		
2,000.00	1,969.10	1,926.94	1,926.89	9.94	8.67	143.12	-2,319.75	-4,290.32	5,126.79	5,108.51	18.28	280.391		
2,100.00	2,066.88	2,065.51	2,065.46	10.42	9.22	143.31	-2,320.49	-4,290.31	5,143.93	5,124.63	19.30	266.524		
2,200.00	2,164.67	2,178.13	2,178.08	10.91	9.67	143.47	-2,320.41	-4,289.75	5,160.36	5,140.14	20.21	255.296		
2,300.00	2,262.46	2,260.65	2,260.59	11.40	10.00	143.58	-2,320.67	-4,289.23	5,176.89	5,155.89	21.00	246.483		
2,400.00	2,360.25	2,331.62	2,331.56	11.89	10.29	143.67	-2,321.35	-4,288.89	5,193.85	5,172.10	21.75	238.846		
2,500.00	2,458.04	2,400.00	2,399.94	12.39	10.57	143.76	-2,322.10	-4,289.00	5,211.44	5,188.96	22.48	231.846		
2,600.00	2,555.83	2,489.33	2,489.26	12.88	10.93	143.87	-2,322.98	-4,289.57	5,229.43	5,206.12	23.30	224.403		
2,700.00	2,653.62	2,610.24	2,610.16	13.38	11.42	144.03	-2,323.94	-4,290.19	5,247.27	5,223.00	24.27	216.186		
2,800.00	2,751.41	2,713.26	2,713.18	13.88	11.85	144.17	-2,324.82	-4,290.37	5,264.86	5,239.69	25.16	209.220		
2,900.00	2,849.20	2,805.99	2,805.90	14.38	12.23	144.28	-2,325.81	-4,290.45	5,282.47	5,256.46	26.01	203.073		
3,000.00	2,946.99	2,871.37	2,871.28	14.88	12.50	144.36	-2,326.56	-4,290.73	5,300.45	5,273.71	26.74	198.230		
3,100.00	3,044.78	2,987.17	2,987.07	15.38	12.98	144.51	-2,327.59	-4,291.73	5,318.77	5,291.07	27.69	192.049		
3,200.00	3,142.57	3,107.84	3,107.74	15.89	13.47	144.67	-2,328.31	-4,292.18	5,336.51	5,307.84	28.68	186.102		
3,300.00	3,240.36	3,178.57	3,178.47	16.39	13.77	144.75	-2,329.02	-4,292.39	5,354.37	5,324.94	29.43	181.943		
3,400.00	3,338.15	3,255.73	3,255.61	16.89	14.09	144.85	-2,330.02	-4,292.86	5,372.67	5,342.46	30.21	177.833		
3,500.00	3,435.93	3,373.38	3,373.25	17.40	14.58	144.99	-2,331.29	-4,293.91	5,391.19	5,360.00	31.18	172.884		
3,600.00	3,533.72	3,483.79	3,483.66	17.90	15.04	145.13	-2,331.78	-4,294.55	5,409.15	5,377.02	32.12	168.387		
3,700.00	3,631.51	3,583.31	3,583.17	18.41	15.45	145.26	-2,332.14	-4,295.10	5,427.08	5,394.07	33.01	164.391		
3,800.00	3,729.30	3,682.83	3,682.69	18.92	15.87	145.39	-2,332.44	-4,295.64	5,445.01	5,411.11	33.90	160.599		
3,900.00	3,827.09	3,782.34	3,782.21	19.42	16.29	145.51	-2,332.67	-4,296.17	5,462.94	5,428.14	34.80	156.998		
4,000.00	3,924.88	3,881.86	3,881.73	19.93	16.71	145.64	-2,332.85	-4,296.69	5,480.85	5,445.16	35.69	153.574		
4,100.00	4,022.67	3,981.38	3,981.24	20.44	17.12	145.76	-2,332.96	-4,297.20	5,498.76	5,462.17	36.58	150.313		
4,200.00	4,120.46	4,080.90	4,080.76	20.95	17.54	145.89	-2,333.01	-4,297.70	5,516.66	5,479.18	37.48	147.205		
4,300.00	4,218.25	4,180.42	4,180.28	21.46	17.96	146.01	-2,333.01	-4,298.19	5,534.55	5,496.18	38.37	144.239		
4,400.00	4,316.04	4,288.60	4,288.45	21.97	18.42	146.15	-2,332.80	-4,298.69	5,552.37	5,513.06	39.31	141.257		
4,500.00	4,413.83	4,392.80	4,392.66	22.48	18.86	146.28	-2,332.21	-4,299.15	5,570.05	5,529.82	40.22	138.476		
4,600.00	4,511.62	4,487.95	4,487.80	22.99	19.26	146.41	-2,331.49	-4,299.61	5,587.72	5,546.62	41.10	135.960		
4,700.00	4,609.41	4,589.07	4,588.91	23.50	19.66	146.50	-2,330.92	-4,300.14	5,605.65	5,563.79	41.86	133.924		
4,800.00	4,707.20	4,687.25	4,687.08	24.01	19.93	146.62	-2,330.09	-4,301.31	5,624.05	5,581.35	42.70	131.718		
4,900.00	4,804.98	4,786.38	4,786.20	24.52	20.41	146.77	-2,328.96	-4,302.59	5,642.29	5,598.63	43.66	129.232		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - KRISTY #1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,872.79	4,872.61	25.03	20.88	146.91	-2,328.15	-4,303.45	5,660.34	5,615.72	44.62	126.859					
5,100.00	5,000.56	4,964.01	4,963.83	25.54	21.27	147.02	-2,328.61	-4,303.54	5,678.27	5,632.80	45.48	124.863					
5,200.00	5,098.35	5,045.09	5,044.90	26.05	21.61	147.10	-2,329.41	-4,303.68	5,696.47	5,650.19	46.28	123.078					
5,300.00	5,196.14	5,130.65	5,130.45	26.56	21.97	147.20	-2,330.14	-4,304.17	5,714.98	5,667.87	47.11	121.305					
5,400.00	5,293.93	5,228.09	5,227.89	27.07	22.38	147.31	-2,330.53	-4,304.94	5,733.56	5,685.56	48.00	119.448					
5,500.00	5,391.72	5,338.66	5,338.46	27.58	22.85	147.43	-2,331.00	-4,305.85	5,752.21	5,703.25	48.95	117.502					
5,600.00	5,489.51	5,456.92	5,456.71	28.09	23.35	147.56	-2,331.74	-4,305.98	5,770.26	5,720.31	49.95	115.531					
5,700.00	5,587.30	5,557.64	5,557.42	28.61	23.78	147.66	-2,333.30	-4,305.76	5,788.40	5,737.55	50.85	113.832					
5,800.00	5,685.09	5,654.47	5,654.24	29.12	24.19	147.75	-2,334.78	-4,305.40	5,806.40	5,754.66	51.74	112.230					
5,900.00	5,782.88	5,729.51	5,729.27	29.63	24.51	147.83	-2,335.79	-4,305.34	5,824.64	5,772.12	52.51	110.917					
6,000.00	5,880.67	5,800.00	5,799.75	30.14	24.81	147.90	-2,336.81	-4,305.70	5,843.42	5,790.16	53.27	109.703					
6,100.00	5,978.46	5,899.19	5,898.94	30.65	25.23	148.00	-2,337.89	-4,306.58	5,862.47	5,808.30	54.16	108.236					
6,200.00	6,076.25	6,044.81	6,044.55	31.17	25.85	148.16	-2,338.18	-4,307.57	5,881.02	5,825.73	55.30	106.354					
6,298.86	6,172.92	6,162.90	6,162.63	31.67	26.35	148.29	-2,338.19	-4,307.63	5,898.75	5,842.46	56.28	104.803					
6,300.00	6,174.03	6,164.08	6,163.82	31.68	26.35	148.21	-2,338.19	-4,307.63	5,898.95	5,842.65	56.29	104.787					
6,350.00	6,223.30	6,214.73	6,214.47	31.92	26.57	142.34	-2,338.32	-4,307.54	5,905.96	5,849.23	56.74	104.089					
6,400.00	6,273.06	6,339.65	6,260.09	32.13	27.09	121.08	-2,338.48	-4,307.43	5,909.34	5,851.86	57.48	102.807					
6,450.00	6,323.01	6,310.31	6,310.05	32.32	26.97	30.67	-2,338.74	-4,307.32	5,909.09	5,851.54	57.54	102.688					
6,500.00	6,372.84	6,360.15	6,359.88	32.48	27.18	-1.71	-2,339.01	-4,307.21	5,905.17	5,847.25	57.92	101.956					
6,550.00	6,422.24	6,409.54	6,409.28	32.65	27.39	-9.72	-2,339.27	-4,307.10	5,897.61	5,839.33	58.28	101.198					
6,600.00	6,470.92	6,458.20	6,457.94	32.83	27.60	-13.42	-2,339.53	-4,306.99	5,886.45	5,827.83	58.62	100.412					
6,650.00	6,518.56	6,505.83	6,505.56	33.01	27.80	-15.78	-2,339.78	-4,306.89	5,871.77	5,812.82	58.95	99.601					
6,700.00	6,564.89	6,552.11	6,551.85	33.21	28.00	-17.64	-2,340.03	-4,306.78	5,853.67	5,794.40	59.27	98.768					
6,750.00	6,609.60	6,596.79	6,596.52	33.43	28.19	-19.32	-2,340.26	-4,306.68	5,832.25	5,772.68	59.56	97.916					
6,800.00	6,652.43	6,639.56	6,639.30	33.66	28.37	-21.01	-2,340.49	-4,306.59	5,807.65	5,747.81	59.84	97.045					
6,850.00	6,693.10	6,680.18	6,679.92	33.91	28.54	-22.83	-2,340.71	-4,306.50	5,780.03	5,719.92	60.11	96.158					
6,900.00	6,731.38	6,718.40	6,718.13	34.20	28.70	-24.85	-2,340.91	-4,306.41	5,749.57	5,689.21	60.36	95.257					
6,950.00	6,767.02	6,753.97	6,753.70	34.51	28.85	-27.19	-2,341.10	-4,306.33	5,716.46	5,655.87	60.59	94.343					
7,000.00	6,799.81	6,786.68	6,786.41	34.85	28.99	-29.93	-2,341.27	-4,306.26	5,680.91	5,620.10	60.81	93.417					
7,050.00	6,829.54	6,816.32	6,816.05	35.24	29.12	-33.20	-2,341.43	-4,306.19	5,643.15	5,582.13	61.02	92.480					
7,100.00	6,856.03	6,842.72	6,842.45	35.66	29.23	-37.15	-2,341.57	-4,306.13	5,603.41	5,542.20	61.22	91.534					
7,150.00	6,879.11	6,865.71	6,865.44	36.12	29.33	-41.96	-2,341.69	-4,306.08	5,561.96	5,500.56	61.40	90.581					
7,200.00	6,898.65	6,885.15	6,884.88	36.62	29.41	-47.82	-2,341.80	-4,306.04	5,519.06	5,457.47	61.58	89.621					
7,250.00	6,914.51	6,900.92	6,900.65	37.15	29.48	-54.91	-2,341.88	-4,306.00	5,474.97	5,413.21	61.75	88.658					
7,300.00	6,926.62	6,912.92	6,912.64	37.73	29.53	-63.34	-2,341.94	-4,305.98	5,429.97	5,368.05	61.92	87.693					
7,350.00	6,934.88	6,921.07	6,920.80	38.34	29.56	-72.99	-2,341.99	-4,305.96	5,384.36	5,322.27	62.08	86.729					
7,400.00	6,939.26	6,925.34	6,925.07	38.97	29.58	-83.45	-2,342.01	-4,305.95	5,338.41	5,276.17	62.24	85.769					
7,429.12	6,940.00	6,926.02	6,925.74	39.34	29.59	-89.64	-2,342.01	-4,305.95	5,311.60	5,249.27	62.33	85.214					
7,500.00	6,940.19	6,926.05	6,925.78	40.31	29.59	-89.64	-2,342.01	-4,305.95	5,246.47	5,183.90	62.57	83.853					
7,600.00	6,940.46	6,926.09	6,925.82	41.80	29.59	-89.64	-2,342.01	-4,305.95	5,154.83	5,091.88	62.95	81.888					
7,700.00	6,940.72	6,926.14	6,925.87	43.43	29.59	-89.64	-2,342.01	-4,305.95	5,063.51	5,000.12	63.39	79.873					
7,800.00	6,940.99	6,926.18	6,925.91	45.19	29.59	-89.64	-2,342.01	-4,305.95	4,972.53	4,908.62	63.91	77.811					
7,900.00	6,941.25	6,926.23	6,925.96	47.05	29.59	-89.64	-2,342.01	-4,305.95	4,881.89	4,817.40	64.49	75.704					
8,000.00	6,941.52	6,926.27	6,926.00	49.02	29.59	-89.64	-2,342.01	-4,305.95	4,791.63	4,726.49	65.14	73.557					
8,100.00	6,941.79	6,926.32	6,926.04	51.06	29.59	-89.64	-2,342.01	-4,305.95	4,701.76	4,635.89	65.88	71.374					
8,200.00	6,942.05	6,926.36	6,926.09	53.18	29.59	-89.64	-2,342.01	-4,305.95	4,612.31	4,545.62	66.69	69.160					
8,300.00	6,942.32	6,926.41	6,926.13	55.37	29.59	-89.65	-2,342.01	-4,305.95	4,523.30	4,455.71	67.59	66.921					
8,400.00	6,942.58	6,926.45	6,926.18	57.62	29.59	-89.65	-2,342.01	-4,305.95	4,434.76	4,366.18	68.58	64.664					
8,500.00	6,942.85	6,926.50	6,926.22	59.92	29.59	-89.65	-2,342.02	-4,305.95	4,346.72	4,277.05	69.66	62.395					
8,600.00	6,943.12	6,926.54	6,926.27	62.26	29.59	-89.65	-2,342.02	-4,305.95	4,259.20	4,188.36	70.85	60.120					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,943.38	6,926.59	6,926.31	64.65	29.59	-89.65	-2,342.02	-4,305.95	4,172.25	4,100.12	72.13	57.847		
8,800.00	6,943.65	6,926.63	6,926.36	67.08	29.59	-89.65	-2,342.02	-4,305.95	4,085.89	4,012.38	73.51	55.582		
8,900.00	6,943.91	6,926.68	6,926.40	69.53	29.59	-89.65	-2,342.02	-4,305.95	4,000.17	3,925.17	75.00	53.333		
9,000.00	6,944.18	6,926.72	6,926.45	72.02	29.59	-89.65	-2,342.02	-4,305.95	3,915.13	3,838.52	76.61	51.105		
9,100.00	6,944.45	6,926.77	6,926.49	74.54	29.59	-89.66	-2,342.02	-4,305.95	3,830.81	3,752.48	78.33	48.906		
9,200.00	6,944.71	6,926.81	6,926.54	77.07	29.59	-89.66	-2,342.02	-4,305.95	3,747.26	3,667.09	80.17	46.741		
9,300.00	6,944.98	6,926.85	6,926.58	79.63	29.59	-89.66	-2,342.02	-4,305.95	3,664.53	3,582.40	82.13	44.616		
9,400.00	6,945.24	6,926.90	6,926.63	82.21	29.59	-89.66	-2,342.02	-4,305.95	3,582.69	3,498.46	84.22	42.537		
9,500.00	6,945.51	6,926.94	6,926.67	84.81	29.59	-89.66	-2,342.02	-4,305.95	3,501.78	3,415.34	86.45	40.508		
9,600.00	6,945.78	6,926.99	6,926.72	87.43	29.59	-89.66	-2,342.02	-4,305.95	3,421.89	3,333.09	88.80	38.533		
9,700.00	6,946.04	6,927.03	6,926.76	90.05	29.59	-89.66	-2,342.02	-4,305.95	3,343.08	3,251.78	91.30	36.617		
9,800.00	6,946.31	6,927.08	6,926.81	92.70	29.59	-89.66	-2,342.02	-4,305.95	3,265.43	3,171.50	93.94	34.762		
9,900.00	6,946.57	6,927.12	6,926.85	95.35	29.59	-89.67	-2,342.02	-4,305.95	3,189.03	3,092.31	96.72	32.972		
10,000.00	6,946.84	6,927.17	6,926.90	98.02	29.59	-89.67	-2,342.02	-4,305.95	3,113.96	3,014.31	99.65	31.249		
10,100.00	6,947.11	6,927.21	6,926.94	100.70	29.59	-89.67	-2,342.02	-4,305.95	3,040.33	2,937.60	102.73	29.595		
10,200.00	6,947.37	6,927.26	6,926.98	103.38	29.59	-89.67	-2,342.02	-4,305.95	2,968.24	2,862.28	105.96	28.012		
10,300.00	6,947.64	6,927.30	6,927.03	106.08	29.59	-89.67	-2,342.02	-4,305.95	2,897.81	2,788.46	109.35	26.500		
10,400.00	6,947.90	6,927.35	6,927.07	108.78	29.59	-89.67	-2,342.02	-4,305.95	2,829.16	2,716.27	112.89	25.061		
10,500.00	6,948.17	6,927.39	6,927.12	111.49	29.59	-89.67	-2,342.02	-4,305.95	2,762.43	2,645.85	116.58	23.695		
10,600.00	6,948.44	6,927.44	6,927.16	114.21	29.59	-89.67	-2,342.02	-4,305.94	2,697.75	2,577.33	120.42	22.403		
10,700.00	6,948.70	6,927.48	6,927.21	116.94	29.59	-89.68	-2,342.02	-4,305.94	2,635.28	2,510.88	124.40	21.184		
10,800.00	6,948.97	6,927.53	6,927.25	119.67	29.59	-89.68	-2,342.02	-4,305.94	2,575.18	2,446.67	128.51	20.038		
10,900.00	6,949.24	6,927.57	6,927.30	122.41	29.59	-89.68	-2,342.02	-4,305.94	2,517.62	2,384.87	132.75	18.965		
11,000.00	6,949.50	6,927.62	6,927.34	125.15	29.59	-89.68	-2,342.02	-4,305.94	2,462.78	2,325.68	137.10	17.964		
11,100.00	6,949.77	6,927.66	6,927.39	127.90	29.59	-89.68	-2,342.02	-4,305.94	2,410.83	2,269.30	141.53	17.034		
11,200.00	6,950.03	6,927.71	6,927.43	130.65	29.59	-89.68	-2,342.02	-4,305.94	2,361.98	2,215.94	146.04	16.173		
11,300.00	6,950.30	6,927.75	6,927.48	133.41	29.59	-89.68	-2,342.02	-4,305.94	2,316.42	2,165.83	150.60	15.382		
11,400.00	6,950.57	6,927.79	6,927.52	136.17	29.59	-89.68	-2,342.02	-4,305.94	2,274.35	2,119.18	155.17	14.657		
11,500.00	6,950.83	6,927.84	6,927.57	138.94	29.59	-89.69	-2,342.02	-4,305.94	2,235.96	2,076.24	159.72	13.999		
11,600.00	6,951.10	6,927.88	6,927.61	141.71	29.59	-89.69	-2,342.02	-4,305.94	2,201.45	2,037.23	164.22	13.406		
11,700.00	6,951.36	6,927.93	6,927.66	144.48	29.59	-89.69	-2,342.02	-4,305.94	2,171.00	2,002.37	168.62	12.875		
11,800.00	6,951.63	6,927.97	6,927.70	147.26	29.59	-89.69	-2,342.02	-4,305.94	2,144.78	1,971.89	172.89	12.405		
11,900.00	6,951.90	6,928.02	6,927.75	150.03	29.59	-89.69	-2,342.02	-4,305.94	2,122.95	1,945.97	176.98	11.995		
12,000.00	6,952.16	6,928.06	6,927.79	152.82	29.59	-89.69	-2,342.02	-4,305.94	2,105.65	1,924.80	180.85	11.643		
12,100.00	6,952.43	6,928.11	6,927.84	155.60	29.59	-89.69	-2,342.02	-4,305.94	2,093.00	1,908.53	184.46	11.346		
12,200.00	6,952.69	6,928.15	6,927.88	158.39	29.60	-89.69	-2,342.02	-4,305.94	2,085.06	1,897.28	187.78	11.104		
12,300.00	6,952.96	6,928.20	6,927.92	161.18	29.60	-89.70	-2,342.02	-4,305.94	2,081.91	1,891.14	190.76	10.913		
12,315.74	6,953.00	6,928.20	6,927.93	161.62	29.60	-89.70	-2,342.02	-4,305.94	2,081.85	1,890.64	191.20	10.888 CC		
12,400.00	6,953.23	6,928.24	6,927.97	163.97	29.60	-89.70	-2,342.02	-4,305.94	2,083.55	1,890.15	193.40	10.773 ES		
12,500.00	6,953.49	6,928.29	6,928.01	166.77	29.60	-89.70	-2,342.02	-4,305.94	2,089.98	1,894.32	195.67	10.681		
12,600.00	6,953.76	6,928.33	6,928.06	169.56	29.60	-89.70	-2,342.02	-4,305.94	2,101.16	1,903.61	197.55	10.636		
12,700.00	6,954.02	6,928.38	6,928.10	172.36	29.60	-89.70	-2,342.03	-4,305.94	2,117.01	1,917.95	199.06	10.635 SF		
12,800.00	6,954.29	6,928.42	6,928.15	175.16	29.60	-89.70	-2,342.03	-4,305.94	2,137.43	1,937.23	200.20	10.677		
12,900.00	6,954.56	6,928.47	6,928.19	177.97	29.60	-89.70	-2,342.03	-4,305.94	2,162.28	1,961.30	200.97	10.759		
13,000.00	6,954.82	6,928.51	6,928.24	180.77	29.60	-89.70	-2,342.03	-4,305.94	2,191.41	1,990.00	201.41	10.880		
13,100.00	6,955.09	6,928.56	6,928.28	183.58	29.60	-89.70	-2,342.03	-4,305.94	2,224.67	2,023.14	201.53	11.039		
13,200.00	6,955.35	6,928.60	6,928.33	186.38	29.60	-89.71	-2,342.03	-4,305.94	2,261.86	2,060.51	201.35	11.233		
13,300.00	6,955.62	6,928.65	6,928.37	189.19	29.60	-89.71	-2,342.03	-4,305.94	2,302.79	2,101.88	200.92	11.461		
13,400.00	6,955.89	6,928.69	6,928.42	192.00	29.60	-89.71	-2,342.03	-4,305.94	2,347.28	2,147.03	200.25	11.722		
13,500.00	6,956.15	6,928.73	6,928.46	194.82	29.60	-89.71	-2,342.03	-4,305.94	2,395.11	2,195.73	199.38	12.013		
13,600.00	6,956.42	6,928.78	6,928.51	197.63	29.60	-89.71	-2,342.03	-4,305.94	2,446.10	2,247.77	198.33	12.333		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - KRISTY #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,928.82	6,928.55	200.44	29.60	-89.71	-2,342.03	-4,305.94	2,500.05	2,302.91	197.14	12.682		
13,800.00	6,956.95	6,928.87	6,928.60	203.26	29.60	-89.71	-2,342.03	-4,305.94	2,556.78	2,360.95	195.82	13.057		
13,900.00	6,957.22	6,928.91	6,928.64	206.08	29.60	-89.71	-2,342.03	-4,305.94	2,616.10	2,421.68	194.41	13.456		
14,000.00	6,957.48	6,928.96	6,928.69	208.89	29.60	-89.72	-2,342.03	-4,305.94	2,677.84	2,484.91	192.92	13.880		
14,100.00	6,957.75	6,929.00	6,928.73	211.71	29.60	-89.72	-2,342.03	-4,305.94	2,741.84	2,550.46	191.37	14.327		
14,200.00	6,958.02	6,929.05	6,928.78	214.53	29.60	-89.72	-2,342.03	-4,305.94	2,807.94	2,618.15	189.78	14.795		
14,300.00	6,958.28	6,929.09	6,928.82	217.36	29.60	-89.72	-2,342.03	-4,305.94	2,876.00	2,687.83	188.17	15.284		
14,400.00	6,958.55	6,929.14	6,928.86	220.18	29.60	-89.72	-2,342.03	-4,305.94	2,945.88	2,759.35	186.53	15.793		
14,500.00	6,958.81	6,929.18	6,928.91	223.00	29.60	-89.72	-2,342.03	-4,305.94	3,017.46	2,832.57	184.89	16.320		
14,600.00	6,959.08	6,929.23	6,928.95	225.83	29.60	-89.72	-2,342.03	-4,305.94	3,090.62	2,907.36	183.26	16.865		
14,700.00	6,959.35	6,929.27	6,929.00	228.65	29.60	-89.72	-2,342.03	-4,305.94	3,165.24	2,983.61	181.63	17.427		
14,800.00	6,959.61	6,929.32	6,929.04	231.48	29.60	-89.73	-2,342.03	-4,305.94	3,241.24	3,061.21	180.03	18.004		
14,900.00	6,959.88	6,929.36	6,929.09	234.30	29.60	-89.73	-2,342.03	-4,305.94	3,318.50	3,140.06	178.44	18.597		
15,000.00	6,960.14	6,929.41	6,929.13	237.13	29.60	-89.73	-2,342.03	-4,305.94	3,396.96	3,220.08	176.88	19.205		
15,100.00	6,960.41	6,929.45	6,929.18	239.96	29.60	-89.73	-2,342.03	-4,305.94	3,476.52	3,301.17	175.35	19.826		
15,200.00	6,960.68	6,929.50	6,929.22	242.79	29.60	-89.73	-2,342.03	-4,305.94	3,557.11	3,383.26	173.85	20.461		
15,300.00	6,960.94	6,929.54	6,929.27	245.62	29.60	-89.73	-2,342.03	-4,305.94	3,638.66	3,466.28	172.38	21.108		
15,400.00	6,961.21	6,929.59	6,929.31	248.45	29.60	-89.73	-2,342.03	-4,305.94	3,721.12	3,550.17	170.95	21.767		
15,500.00	6,961.47	6,929.63	6,929.36	251.28	29.60	-89.73	-2,342.03	-4,305.94	3,804.42	3,634.86	169.56	22.438		
15,600.00	6,961.74	6,929.68	6,929.40	254.11	29.60	-89.74	-2,342.03	-4,305.94	3,888.50	3,720.30	168.20	23.119		
15,700.00	6,962.01	6,929.72	6,929.45	256.94	29.60	-89.74	-2,342.03	-4,305.94	3,973.32	3,806.45	166.87	23.811		
15,800.00	6,962.27	6,929.76	6,929.49	259.77	29.60	-89.74	-2,342.03	-4,305.94	4,058.83	3,893.25	165.58	24.512		
15,900.00	6,962.54	6,929.81	6,929.54	262.61	29.60	-89.74	-2,342.03	-4,305.94	4,145.00	3,980.66	164.33	25.223		
16,000.00	6,962.80	6,929.85	6,929.58	265.44	29.60	-89.74	-2,342.03	-4,305.94	4,231.77	4,068.65	163.12	25.943		
16,100.00	6,963.07	6,929.90	6,929.63	268.28	29.60	-89.74	-2,342.03	-4,305.94	4,319.11	4,157.17	161.93	26.672		
16,200.00	6,963.34	6,929.94	6,929.67	271.11	29.60	-89.74	-2,342.03	-4,305.94	4,406.99	4,246.20	160.79	27.409		
16,300.00	6,963.60	6,929.99	6,929.72	273.95	29.60	-89.74	-2,342.03	-4,305.94	4,495.37	4,335.70	159.67	28.153		
16,400.00	6,963.87	6,930.03	6,929.76	276.78	29.60	-89.75	-2,342.03	-4,305.94	4,584.24	4,425.64	158.59	28.905		
16,500.00	6,964.13	6,930.08	6,929.81	279.62	29.60	-89.75	-2,342.03	-4,305.94	4,673.55	4,516.01	157.55	29.665		
16,600.00	6,964.40	6,930.12	6,929.85	282.46	29.60	-89.75	-2,342.03	-4,305.94	4,763.29	4,606.76	156.53	30.431		
16,700.00	6,964.67	6,930.17	6,929.89	285.29	29.60	-89.75	-2,342.03	-4,305.94	4,853.43	4,697.89	155.54	31.203		
16,800.00	6,964.93	6,930.21	6,929.94	288.13	29.60	-89.75	-2,342.03	-4,305.94	4,943.95	4,789.37	154.58	31.982		
16,900.00	6,965.20	6,930.26	6,929.98	290.97	29.60	-89.75	-2,342.04	-4,305.94	5,034.83	4,881.17	153.66	32.767		
17,000.00	6,965.46	6,930.30	6,930.03	293.81	29.60	-89.75	-2,342.04	-4,305.94	5,126.05	4,973.29	152.76	33.557		
17,100.00	6,965.73	6,930.35	6,930.07	296.65	29.60	-89.75	-2,342.04	-4,305.94	5,217.59	5,065.70	151.88	34.353		
17,200.00	6,966.00	6,930.39	6,930.12	299.49	29.60	-89.76	-2,342.04	-4,305.94	5,309.43	5,158.40	151.03	35.154		
17,300.00	6,966.26	6,930.44	6,930.16	302.32	29.60	-89.76	-2,342.04	-4,305.94	5,401.57	5,251.35	150.21	35.960		
17,400.00	6,966.53	6,930.48	6,930.21	305.16	29.60	-89.76	-2,342.04	-4,305.94	5,493.98	5,344.56	149.41	36.770		
17,500.00	6,966.80	6,930.53	6,930.25	308.00	29.61	-89.76	-2,342.04	-4,305.94	5,586.65	5,438.01	148.64	37.585		
17,600.00	6,967.06	6,930.57	6,930.30	310.85	29.61	-89.76	-2,342.04	-4,305.94	5,679.57	5,531.68	147.89	38.405		
17,700.00	6,967.33	6,930.62	6,930.34	313.69	29.61	-89.76	-2,342.04	-4,305.94	5,772.72	5,625.56	147.16	39.228		
17,800.00	6,967.59	6,930.66	6,930.39	316.53	29.61	-89.76	-2,342.04	-4,305.94	5,866.10	5,719.65	146.45	40.056		
17,900.00	6,967.86	6,930.70	6,930.43	319.37	29.61	-89.76	-2,342.04	-4,305.94	5,959.70	5,813.94	145.76	40.887		
18,000.00	6,968.13	6,930.75	6,930.48	322.21	29.61	-89.77	-2,342.04	-4,305.94	6,053.50	5,908.41	145.09	41.722		
18,100.00	6,968.39	6,930.79	6,930.52	325.05	29.61	-89.77	-2,342.04	-4,305.94	6,147.50	6,003.05	144.44	42.560		
18,200.00	6,968.66	6,930.84	6,930.57	327.90	29.61	-89.77	-2,342.04	-4,305.94	6,241.68	6,097.87	143.81	43.401		
18,300.00	6,968.92	6,930.88	6,930.61	330.74	29.61	-89.77	-2,342.04	-4,305.94	6,336.04	6,192.84	143.20	44.245		
18,400.00	6,969.19	6,930.93	6,930.66	333.58	29.61	-89.77	-2,342.04	-4,305.94	6,430.57	6,287.97	142.61	45.093		
18,500.00	6,969.46	6,930.97	6,930.70	336.43	29.61	-89.77	-2,342.04	-4,305.94	6,525.27	6,383.24	142.03	45.943		
18,600.00	6,969.72	6,931.02	6,930.75	339.27	29.61	-89.77	-2,342.04	-4,305.94	6,620.12	6,478.65	141.47	46.796		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
18,704.56	6,970.00	6,931.06	6,930.79	342.24	29.61	-89.77	-2,342.04	-4,305.94	6,719.45	6,578.56	140.90	47.690		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 740-MWD														
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	
9,300.00	6,944.98	10,380.78	7,278.74	79.63	75.75	120.37	248.74	-11,194.99	9,915.29	9,811.72	103.57	95.732		
9,400.00	6,945.24	10,381.66	7,278.73	82.21	75.77	120.41	247.87	-11,195.03	9,815.49	9,711.86	103.64	94.711		
9,500.00	6,945.51	10,382.54	7,278.72	84.81	75.79	120.45	246.98	-11,195.08	9,715.69	9,611.99	103.70	93.687		
9,600.00	6,945.78	10,421.00	7,278.26	87.43	76.50	122.32	208.60	-11,197.45	9,616.35	9,511.80	104.54	91.985		
9,700.00	6,946.04	10,421.00	7,278.26	90.05	76.50	122.32	208.60	-11,197.45	9,516.53	9,411.94	104.59	90.985		
9,800.00	6,946.31	10,421.00	7,278.26	92.70	76.50	122.32	208.60	-11,197.45	9,416.72	9,312.08	104.65	89.985		
9,900.00	6,946.57	10,421.00	7,278.26	95.35	76.50	122.32	208.60	-11,197.45	9,316.92	9,212.21	104.71	88.982		
10,000.00	6,946.84	10,421.00	7,278.26	98.02	76.50	122.32	208.60	-11,197.45	9,217.12	9,112.35	104.77	87.979		
10,100.00	6,947.11	10,421.00	7,278.26	100.70	76.50	122.32	208.60	-11,197.45	9,117.32	9,012.49	104.83	86.974		
10,200.00	6,947.37	10,421.00	7,278.26	103.38	76.50	122.32	208.60	-11,197.45	9,017.53	8,912.64	104.90	85.967		
10,300.00	6,947.64	10,421.00	7,278.26	106.08	76.50	122.32	208.60	-11,197.45	8,917.75	8,812.78	104.96	84.959		
10,400.00	6,947.90	10,421.00	7,278.26	108.78	76.50	122.32	208.60	-11,197.45	8,817.96	8,712.93	105.04	83.950		
10,500.00	6,948.17	10,421.00	7,278.26	111.49	76.50	122.32	208.60	-11,197.45	8,718.19	8,613.07	105.11	82.940		
10,600.00	6,948.44	10,421.00	7,278.26	114.21	76.50	122.32	208.60	-11,197.45	8,618.41	8,513.22	105.19	81.928		
10,700.00	6,948.70	10,421.00	7,278.26	116.94	76.50	122.32	208.60	-11,197.45	8,518.65	8,413.37	105.28	80.916		
10,800.00	6,948.97	10,421.00	7,278.26	119.67	76.50	122.32	208.60	-11,197.45	8,418.89	8,313.52	105.37	79.901		
10,900.00	6,949.24	10,421.00	7,278.26	122.41	76.50	122.32	208.60	-11,197.45	8,319.13	8,213.67	105.46	78.886		
11,000.00	6,949.50	10,421.00	7,278.26	125.15	76.50	122.32	208.60	-11,197.45	8,219.38	8,113.83	105.55	77.869		
11,100.00	6,949.77	10,421.00	7,278.26	127.90	76.50	122.32	208.60	-11,197.45	8,119.64	8,013.99	105.65	76.852		
11,200.00	6,950.03	10,421.00	7,278.26	130.65	76.50	122.32	208.60	-11,197.45	8,019.90	7,914.15	105.76	75.833		
11,300.00	6,950.30	10,421.00	7,278.26	133.41	76.50	122.32	208.60	-11,197.45	7,920.17	7,814.31	105.87	74.812		
11,400.00	6,950.57	10,421.00	7,278.26	136.17	76.50	122.32	208.60	-11,197.45	7,820.45	7,714.47	105.98	73.791		
11,500.00	6,950.83	10,421.00	7,278.26	138.94	76.50	122.32	208.60	-11,197.45	7,720.73	7,614.63	106.10	72.768		
11,600.00	6,951.10	10,421.00	7,278.26	141.71	76.50	122.32	208.60	-11,197.45	7,621.03	7,514.80	106.22	71.745		
11,700.00	6,951.36	10,421.00	7,278.26	144.48	76.50	122.32	208.60	-11,197.45	7,521.33	7,414.97	106.35	70.720		
11,800.00	6,951.63	10,421.00	7,278.26	147.26	76.50	122.32	208.60	-11,197.45	7,421.63	7,315.14	106.49	69.694		
11,900.00	6,951.90	10,421.00	7,278.26	150.03	76.50	122.32	208.60	-11,197.45	7,321.95	7,215.32	106.63	68.666		
12,000.00	6,952.16	10,421.00	7,278.26	152.82	76.50	122.32	208.60	-11,197.45	7,222.27	7,115.49	106.78	67.638		
12,100.00	6,952.43	10,421.00	7,278.26	155.60	76.50	122.32	208.60	-11,197.45	7,122.61	7,015.67	106.93	66.609		
12,200.00	6,952.69	10,421.00	7,278.26	158.39	76.50	122.32	208.60	-11,197.45	7,022.95	6,915.86	107.09	65.578		
12,300.00	6,952.96	10,421.00	7,278.26	161.18	76.50	122.32	208.60	-11,197.45	6,923.30	6,816.04	107.26	64.546		
12,400.00	6,953.23	10,421.00	7,278.26	163.97	76.50	122.32	208.60	-11,197.45	6,823.67	6,716.23	107.44	63.514		
12,500.00	6,953.49	10,421.00	7,278.26	166.77	76.50	122.32	208.60	-11,197.45	6,724.04	6,616.42	107.62	62.480		
12,600.00	6,953.76	10,421.00	7,278.26	169.56	76.50	122.32	208.60	-11,197.45	6,624.43	6,516.61	107.81	61.445		
12,700.00	6,954.02	10,433.76	7,278.10	172.36	76.73	122.98	195.87	-11,198.36	6,524.82	6,416.63	108.19	60.311		
12,800.00	6,954.29	10,451.92	7,277.88	175.16	77.06	123.98	177.77	-11,199.63	6,425.20	6,316.57	108.63	59.145		
12,900.00	6,954.56	10,469.28	7,277.67	177.97	77.38	124.97	160.45	-11,200.82	6,325.58	6,216.51	109.07	57.997		
13,000.00	6,954.82	10,485.89	7,277.47	180.77	77.69	125.98	143.87	-11,201.93	6,225.95	6,116.46	109.49	56.863		
13,100.00	6,955.09	10,501.82	7,277.27	183.58	77.98	126.99	127.98	-11,202.97	6,126.31	6,016.41	109.90	55.745		
13,200.00	6,955.35	10,524.23	7,277.00	186.38	78.39	128.51	105.61	-11,204.39	6,026.66	5,916.27	110.39	54.593		
13,300.00	6,955.62	10,611.07	7,276.69	189.19	80.01	135.59	18.91	-11,209.15	5,926.97	5,815.18	111.79	53.019		
13,400.00	6,955.89	13,400.00	7,276.85	192.00	133.61	132.25	56.90	-11,207.04	5,827.12	5,660.59	166.53	34.992		
13,500.00	6,956.15	13,500.00	7,276.83	194.82	135.55	132.74	50.99	-11,207.37	5,727.44	5,558.81	168.63	33.965		
13,600.00	6,956.42	13,600.00	7,274.96	197.63	139.18	169.53	-228.94	-11,216.14	5,627.65	5,456.05	171.60	32.796		
13,700.00	6,956.68	13,700.00	7,274.94	200.44	141.18	169.73	-230.06	-11,216.15	5,527.81	5,354.09	173.71	31.821		
13,800.00	6,956.95	13,800.00	7,274.92	203.26	143.18	169.93	-231.18	-11,216.16	5,427.97	5,252.14	175.83	30.870		
13,900.00	6,957.22	13,900.00	7,274.90	206.08	145.18	170.13	-232.29	-11,216.16	5,328.14	5,150.19	177.96	29.941		
14,000.00	6,957.48	14,000.00	7,274.88	208.89	147.19	170.33	-233.41	-11,216.17	5,228.32	5,048.24	180.08	29.033		
14,100.00	6,957.75	14,100.00	7,274.86	211.71	149.19	170.53	-234.53	-11,216.18	5,128.51	4,946.30	182.21	28.146		
14,200.00	6,958.02	14,200.00	7,274.84	214.53	151.19	170.74	-235.65	-11,216.19	5,028.70	4,844.36	184.34	27.280		
14,300.00	6,958.28	14,300.00	7,274.81	217.36	153.20	170.94	-236.77	-11,216.20	4,928.89	4,742.42	186.47	26.432		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 740-MWD														
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	
14,400.00	6,958.55	14,400.00	7,274.79	220.18	155.20	171.14	-237.89	-11,216.21	4,829.10	4,640.49	188.61	25.604		
14,500.00	6,958.81	14,500.00	7,274.77	223.00	157.21	171.34	-239.01	-11,216.21	4,729.32	4,538.57	190.75	24.794		
14,600.00	6,959.08	14,600.00	7,274.75	225.83	159.21	171.54	-240.12	-11,216.22	4,629.54	4,436.65	192.89	24.001		
14,700.00	6,959.35	14,700.00	7,274.73	228.65	161.22	171.74	-241.24	-11,216.23	4,529.77	4,334.73	195.04	23.225		
14,800.00	6,959.61	14,800.00	7,274.71	231.48	163.22	171.95	-242.36	-11,216.24	4,430.02	4,232.83	197.19	22.466		
14,900.00	6,959.88	14,900.00	7,274.69	234.30	165.23	172.15	-243.48	-11,216.25	4,330.27	4,130.93	199.34	21.723		
15,000.00	6,960.14	15,000.00	7,274.67	237.13	167.23	172.35	-244.60	-11,216.26	4,230.54	4,029.03	201.50	20.995		
15,100.00	6,960.41	10,896.00	7,274.28	239.96	85.49	176.25	-265.88	-11,216.42	4,130.87	4,011.34	119.53	34.560		
15,200.00	6,960.68	10,896.00	7,274.28	242.79	85.49	176.25	-265.88	-11,216.42	4,031.15	3,911.46	119.70	33.678		
15,300.00	6,960.94	10,896.00	7,274.28	245.62	85.49	176.25	-265.88	-11,216.42	3,931.46	3,811.58	119.87	32.797		
15,400.00	6,961.21	10,896.00	7,274.28	248.45	85.49	176.25	-265.88	-11,216.42	3,831.78	3,711.72	120.06	31.916		
15,500.00	6,961.47	10,912.47	7,273.99	251.28	85.81	179.30	-282.35	-11,216.37	3,732.04	3,611.40	120.65	30.934		
15,600.00	6,961.74	10,912.60	7,273.99	254.11	85.81	179.32	-282.48	-11,216.37	3,632.40	3,511.55	120.85	30.057		
15,700.00	6,962.01	10,912.73	7,273.99	256.94	85.81	179.35	-282.61	-11,216.37	3,532.77	3,411.71	121.06	29.182		
15,800.00	6,962.27	10,912.87	7,273.99	259.77	85.82	179.37	-282.74	-11,216.36	3,433.16	3,311.88	121.28	28.308		
15,900.00	6,962.54	10,913.00	7,273.99	262.61	85.82	179.40	-282.88	-11,216.36	3,333.58	3,212.07	121.51	27.435		
16,000.00	6,962.80	10,913.15	7,273.98	265.44	85.82	179.42	-283.02	-11,216.36	3,234.02	3,112.27	121.75	26.563		
16,100.00	6,963.07	10,913.29	7,273.98	268.28	85.83	179.45	-283.16	-11,216.36	3,134.49	3,012.49	122.00	25.692		
16,200.00	6,963.34	10,913.44	7,273.98	271.11	85.83	179.48	-283.31	-11,216.36	3,034.99	2,912.73	122.27	24.822		
16,300.00	6,963.60	10,913.59	7,273.98	273.95	85.83	179.50	-283.46	-11,216.36	2,935.53	2,812.98	122.55	23.954		
16,400.00	6,963.87	10,913.74	7,273.98	276.78	85.83	179.53	-283.61	-11,216.36	2,836.10	2,713.26	122.84	23.087		
16,500.00	6,964.13	10,913.90	7,273.97	279.62	85.84	179.56	-283.77	-11,216.36	2,736.72	2,613.56	123.16	22.221		
16,600.00	6,964.40	10,914.06	7,273.97	282.46	85.84	179.59	-283.94	-11,216.36	2,637.38	2,513.89	123.49	21.357		
16,700.00	6,964.67	10,914.23	7,273.97	285.29	85.84	179.62	-284.10	-11,216.36	2,538.10	2,414.25	123.85	20.493		
16,800.00	6,964.93	10,914.40	7,273.97	288.13	85.85	179.66	-284.27	-11,216.36	2,438.87	2,314.64	124.23	19.632		
16,900.00	6,965.20	10,914.58	7,273.96	290.97	85.85	179.69	-284.45	-11,216.36	2,339.71	2,215.06	124.64	18.772		
17,000.00	6,965.46	10,914.76	7,273.96	293.81	85.85	179.72	-284.63	-11,216.36	2,240.62	2,115.53	125.08	17.913		
17,100.00	6,965.73	10,914.94	7,273.96	296.65	85.86	179.76	-284.81	-11,216.36	2,141.62	2,016.05	125.56	17.056		
17,200.00	6,966.00	10,915.13	7,273.95	299.49	85.86	179.79	-285.00	-11,216.36	2,042.71	1,916.62	126.09	16.201		
17,300.00	6,966.26	10,915.33	7,273.95	302.32	85.87	179.83	-285.20	-11,216.36	1,943.92	1,817.25	126.66	15.347		
17,400.00	6,966.53	10,915.53	7,273.95	305.16	85.87	179.86	-285.40	-11,216.36	1,845.25	1,717.96	127.29	14.496		
17,500.00	6,966.80	10,915.73	7,273.95	308.00	85.87	179.90	-285.61	-11,216.36	1,746.74	1,618.75	128.00	13.647		
17,600.00	6,967.06	10,915.95	7,273.94	310.85	85.88	179.94	-285.82	-11,216.36	1,648.41	1,519.63	128.78	12.800		
17,700.00	6,967.33	10,916.17	7,273.94	313.69	85.88	179.98	-286.04	-11,216.36	1,550.29	1,420.63	129.66	11.957		
17,800.00	6,967.59	10,916.39	7,273.94	316.53	85.89	-179.97	-286.26	-11,216.36	1,452.43	1,321.77	130.65	11.117		
17,900.00	6,967.86	10,916.62	7,273.93	319.37	85.89	-179.93	-286.50	-11,216.36	1,354.88	1,223.09	131.79	10.281		
18,000.00	6,968.13	10,916.86	7,273.93	322.21	85.90	-179.89	-286.74	-11,216.36	1,257.71	1,124.61	133.10	9.449		
18,100.00	6,968.39	10,917.11	7,273.93	325.05	85.90	-179.84	-286.98	-11,216.36	1,161.03	1,026.40	134.62	8.624		
18,200.00	6,968.66	10,917.37	7,273.92	327.90	85.91	-179.79	-287.24	-11,216.36	1,064.95	928.54	136.41	7.807		
18,300.00	6,968.92	10,917.63	7,273.92	330.74	85.91	-179.75	-287.50	-11,216.36	969.68	831.15	138.53	7.000		
18,400.00	6,969.19	10,917.90	7,273.91	333.58	85.92	-179.69	-287.77	-11,216.36	875.45	734.40	141.06	6.206		
18,500.00	6,969.46	10,918.18	7,273.91	336.43	85.92	-179.64	-288.05	-11,216.36	782.66	638.56	144.10	5.431		
18,600.00	6,969.72	10,918.47	7,273.91	339.27	85.93	-179.59	-288.34	-11,216.36	691.88	544.12	147.77	4.682		
18,704.56	6,970.00	10,918.79	7,273.90	342.24	85.93	-179.53	-288.66	-11,216.36	600.11	447.74	152.37	3.938 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,000.00	6,944.18	11,988.00	7,170.83	72.02	108.39	-101.39	-1,309.28	-10,864.55	9,926.19	9,787.02	139.17	71.323		
9,100.00	6,944.45	11,684.06	7,181.74	74.54	102.02	-106.75	-1,006.88	-10,892.27	9,826.61	9,694.73	131.88	74.514		
9,200.00	6,944.71	11,671.20	7,181.70	77.07	101.75	-107.03	-994.05	-10,893.26	9,726.90	9,595.25	131.65	73.885		
9,300.00	6,944.98	11,658.49	7,181.61	79.63	101.49	-107.31	-981.39	-10,894.24	9,627.19	9,495.77	131.43	73.251		
9,400.00	6,945.24	11,646.23	7,181.47	82.21	101.23	-107.59	-969.16	-10,895.17	9,527.48	9,396.26	131.22	72.608		
9,500.00	6,945.51	11,634.22	7,181.31	84.81	100.99	-107.87	-957.18	-10,896.08	9,427.76	9,296.74	131.02	71.959		
9,600.00	6,945.78	11,622.36	7,181.11	87.43	100.74	-108.16	-945.36	-10,896.97	9,328.04	9,197.22	130.82	71.305		
9,700.00	6,946.04	11,610.65	7,180.89	90.05	100.50	-108.44	-933.68	-10,897.85	9,228.32	9,097.69	130.63	70.646		
9,800.00	6,946.31	11,599.08	7,180.64	92.70	100.26	-108.73	-922.14	-10,898.71	9,128.59	8,998.15	130.44	69.983		
9,900.00	6,946.57	11,587.65	7,180.37	95.35	100.02	-109.03	-910.75	-10,899.55	9,028.86	8,898.60	130.26	69.316		
10,000.00	6,946.84	11,576.36	7,180.07	98.02	99.79	-109.33	-899.49	-10,900.38	8,929.13	8,799.05	130.08	68.644		
10,100.00	6,947.11	11,565.20	7,179.74	100.70	99.56	-109.63	-888.37	-10,901.20	8,829.39	8,699.49	129.90	67.968		
10,200.00	6,947.37	11,560.00	7,179.58	103.38	99.45	-109.77	-883.19	-10,901.58	8,729.66	8,599.77	129.89	67.211		
10,300.00	6,947.64	11,560.00	7,179.58	106.08	99.45	-109.77	-883.19	-10,901.58	8,629.93	8,499.92	130.00	66.382		
10,400.00	6,947.90	11,548.62	7,179.24	108.78	99.22	-110.09	-871.84	-10,902.41	8,530.19	8,400.36	129.83	65.703		
10,500.00	6,948.17	11,544.06	7,179.11	111.49	99.12	-110.23	-867.30	-10,902.74	8,430.46	8,300.62	129.84	64.931		
10,600.00	6,948.44	11,539.47	7,178.99	114.21	99.03	-110.36	-862.73	-10,903.08	8,330.73	8,200.89	129.85	64.158		
10,700.00	6,948.70	11,534.85	7,178.87	116.94	98.93	-110.50	-858.11	-10,903.42	8,231.01	8,101.15	129.86	63.385		
10,800.00	6,948.97	11,530.19	7,178.76	119.67	98.84	-110.65	-853.47	-10,903.77	8,131.28	8,001.41	129.87	62.610		
10,900.00	6,949.24	11,525.50	7,178.65	122.41	98.74	-110.79	-848.79	-10,904.12	8,031.57	7,901.68	129.89	61.834		
11,000.00	6,949.50	11,520.77	7,178.55	125.15	98.64	-110.94	-844.07	-10,904.47	7,931.85	7,801.94	129.91	61.057		
11,100.00	6,949.77	11,516.00	7,178.45	127.90	98.54	-111.10	-839.32	-10,904.83	7,832.14	7,702.21	129.93	60.279		
11,200.00	6,950.03	11,511.20	7,178.35	130.65	98.45	-111.26	-834.54	-10,905.19	7,732.43	7,602.47	129.96	59.501		
11,300.00	6,950.30	11,506.36	7,178.27	133.41	98.35	-111.42	-829.72	-10,905.56	7,632.72	7,502.74	129.98	58.721		
11,400.00	6,950.57	11,501.49	7,178.18	136.17	98.25	-111.59	-824.86	-10,905.93	7,533.01	7,403.00	130.01	57.941		
11,500.00	6,950.83	11,496.58	7,178.11	138.94	98.14	-111.76	-819.96	-10,906.30	7,433.31	7,303.27	130.05	57.159		
11,600.00	6,951.10	11,491.63	7,178.03	141.71	98.04	-111.94	-815.03	-10,906.68	7,333.62	7,203.54	130.08	56.377		
11,700.00	6,951.36	11,486.76	7,177.93	144.48	102.31	-114.46	-754.17	-10,911.09	7,233.89	7,099.79	134.10	53.944		
11,800.00	6,951.63	11,481.80	7,177.83	147.26	104.37	-114.77	-747.72	-10,911.53	7,134.14	6,997.84	136.31	52.339		
11,900.00	6,951.90	11,476.83	7,177.73	150.03	106.43	-115.08	-741.27	-10,911.97	7,034.40	6,895.89	138.51	50.785		
12,000.00	6,952.16	12,000.00	7,178.18	152.82	108.49	-115.40	-734.82	-10,912.41	6,934.66	6,793.93	140.72	49.279		
12,100.00	6,952.43	12,000.00	7,178.23	155.60	110.55	-115.73	-728.37	-10,912.85	6,834.91	6,691.98	142.94	47.818		
12,200.00	6,952.69	11,345.88	7,179.05	158.39	95.06	-119.14	-669.64	-10,916.67	6,735.18	6,608.38	126.80	53.116		
12,300.00	6,952.96	11,341.78	7,179.14	161.18	94.98	-119.42	-665.54	-10,916.92	6,635.40	6,508.55	126.85	52.311		
12,400.00	6,953.23	11,337.64	7,179.24	163.97	94.89	-119.70	-661.41	-10,917.17	6,535.62	6,408.72	126.89	51.505		
12,500.00	6,953.49	11,333.47	7,179.34	166.77	94.81	-119.98	-657.25	-10,917.42	6,435.84	6,308.90	126.94	50.698		
12,600.00	6,953.76	11,329.27	7,179.44	169.56	94.72	-120.28	-653.06	-10,917.68	6,336.06	6,209.07	127.00	49.891		
12,700.00	6,954.02	11,325.03	7,179.54	172.36	94.64	-120.58	-648.83	-10,917.94	6,236.29	6,109.24	127.05	49.084		
12,800.00	6,954.29	11,320.76	7,179.65	175.16	94.55	-120.89	-644.57	-10,918.20	6,136.52	6,009.41	127.11	48.277		
12,900.00	6,954.56	11,316.45	7,179.75	177.97	94.46	-121.20	-640.27	-10,918.46	6,036.76	5,909.59	127.17	47.469		
13,000.00	6,954.82	11,312.10	7,179.86	180.77	94.37	-121.53	-635.93	-10,918.73	5,937.00	5,809.76	127.23	46.662		
13,100.00	6,955.09	11,307.73	7,179.97	183.58	94.28	-121.86	-631.57	-10,919.00	5,837.24	5,709.94	127.30	45.854		
13,200.00	6,955.35	13,200.00	7,182.35	186.38	132.91	-128.37	-560.09	-10,923.03	5,737.46	5,571.71	165.75	34.616		
13,300.00	6,955.62	13,300.00	7,189.47	189.19	134.15	-160.52	-364.61	-10,929.55	5,637.58	5,472.18	165.40	34.085		
13,400.00	6,955.89	13,400.00	7,189.50	192.00	136.17	-160.82	-363.29	-10,929.57	5,537.67	5,370.13	167.53	33.054		
13,500.00	6,956.15	11,089.74	7,188.36	194.82	89.92	-150.05	-413.98	-10,928.67	5,437.97	5,316.95	121.02	44.936		
13,600.00	6,956.42	10,988.40	7,190.60	197.63	87.94	-173.03	-312.68	-10,930.42	5,338.07	5,219.76	118.31	45.120		
13,700.00	6,956.68	10,987.95	7,190.61	200.44	87.93	-173.14	-312.23	-10,930.42	5,238.16	5,119.76	118.40	44.240		
13,800.00	6,956.95	10,987.50	7,190.62	203.26	87.92	-173.25	-311.79	-10,930.43	5,138.26	5,019.76	118.50	43.361		
13,900.00	6,957.22	10,987.05	7,190.62	206.08	87.91	-173.37	-311.34	-10,930.43	5,038.36	4,919.76	118.60	42.482		
14,000.00	6,957.48	10,986.60	7,190.63	208.89	87.90	-173.48	-310.88	-10,930.44	4,938.46	4,819.76	118.70	41.603		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - Merritt #6-66-9-0857CH(PR) - OH - OH													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	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	6,957.75	10,986.15	7,190.64	211.71	87.89	-173.59	-310.43	-10,930.44	4,838.57	4,719.76	118.81	40.726		
14,200.00	6,958.02	10,985.69	7,190.64	214.53	87.88	-173.71	-309.98	-10,930.44	4,738.68	4,619.77	118.92	39.848		
14,300.00	6,958.28	10,985.24	7,190.65	217.36	87.88	-173.82	-309.52	-10,930.45	4,638.80	4,519.77	119.03	38.972		
14,400.00	6,958.55	10,984.78	7,190.66	220.18	87.87	-173.94	-309.06	-10,930.45	4,538.92	4,419.78	119.14	38.096		
14,500.00	6,958.81	10,984.32	7,190.66	223.00	87.86	-174.05	-308.60	-10,930.45	4,439.05	4,319.79	119.26	37.221		
14,600.00	6,959.08	10,983.86	7,190.67	225.83	87.85	-174.17	-308.14	-10,930.46	4,339.19	4,219.80	119.38	36.347		
14,700.00	6,959.35	10,983.39	7,190.68	228.65	87.84	-174.28	-307.68	-10,930.46	4,239.33	4,119.82	119.51	35.473		
14,800.00	6,959.61	10,982.93	7,190.68	231.48	87.83	-174.40	-307.22	-10,930.47	4,139.47	4,019.84	119.64	34.600		
14,900.00	6,959.88	10,982.46	7,190.69	234.30	87.82	-174.52	-306.75	-10,930.47	4,039.63	3,919.86	119.77	33.728		
15,000.00	6,960.14	10,982.00	7,190.70	237.13	87.81	-174.64	-306.28	-10,930.47	3,939.79	3,819.88	119.91	32.857		
15,100.00	6,960.41	10,981.53	7,190.70	239.96	87.80	-174.75	-305.81	-10,930.48	3,839.96	3,719.91	120.05	31.986		
15,200.00	6,960.68	10,981.06	7,190.71	242.79	87.79	-174.87	-305.34	-10,930.48	3,740.14	3,619.94	120.20	31.116		
15,300.00	6,960.94	10,980.58	7,190.71	245.62	87.79	-174.99	-304.87	-10,930.49	3,640.33	3,519.98	120.35	30.248		
15,400.00	6,961.21	10,980.11	7,190.72	248.45	87.78	-175.11	-304.40	-10,930.49	3,540.53	3,420.02	120.51	29.380		
15,500.00	6,961.47	10,979.63	7,190.73	251.28	87.77	-175.23	-303.92	-10,930.49	3,440.74	3,320.07	120.68	28.512		
15,600.00	6,961.74	10,979.16	7,190.73	254.11	87.76	-175.35	-303.44	-10,930.50	3,340.96	3,220.12	120.85	27.646		
15,700.00	6,962.01	10,978.68	7,190.74	256.94	87.75	-175.47	-302.96	-10,930.50	3,241.20	3,120.18	121.03	26.781		
15,800.00	6,962.27	10,978.20	7,190.74	259.77	87.74	-175.59	-302.48	-10,930.51	3,141.46	3,020.24	121.21	25.916		
15,900.00	6,962.54	10,977.71	7,190.75	262.61	87.73	-175.71	-302.00	-10,930.51	3,041.73	2,920.31	121.41	25.053		
16,000.00	6,962.80	10,977.23	7,190.75	265.44	87.72	-175.84	-301.52	-10,930.51	2,942.01	2,820.40	121.62	24.191		
16,100.00	6,963.07	10,976.74	7,190.76	268.28	87.71	-175.96	-301.03	-10,930.52	2,842.32	2,720.49	121.84	23.329		
16,200.00	6,963.34	10,976.26	7,190.77	271.11	87.70	-176.08	-300.54	-10,930.52	2,742.65	2,620.59	122.06	22.469		
16,300.00	6,963.60	10,975.77	7,190.77	273.95	87.69	-176.21	-300.05	-10,930.53	2,643.01	2,520.70	122.31	21.609		
16,400.00	6,963.87	10,975.27	7,190.78	276.78	87.68	-176.33	-299.56	-10,930.53	2,543.39	2,420.82	122.57	20.751		
16,500.00	6,964.13	10,974.78	7,190.78	279.62	87.67	-176.45	-299.07	-10,930.53	2,443.80	2,320.96	122.84	19.894		
16,600.00	6,964.40	10,974.29	7,190.79	282.46	87.66	-176.58	-298.57	-10,930.54	2,344.25	2,221.11	123.14	19.038		
16,700.00	6,964.67	10,973.79	7,190.79	285.29	87.65	-176.71	-298.08	-10,930.54	2,244.74	2,121.29	123.45	18.183		
16,800.00	6,964.93	10,973.29	7,190.80	288.13	87.64	-176.83	-297.58	-10,930.55	2,145.28	2,021.48	123.80	17.329		
16,900.00	6,965.20	10,972.79	7,190.80	290.97	87.63	-176.96	-297.08	-10,930.55	2,045.86	1,921.69	124.17	16.476		
17,000.00	6,965.46	10,972.29	7,190.81	293.81	87.62	-177.08	-296.58	-10,930.56	1,946.51	1,821.93	124.58	15.625		
17,100.00	6,965.73	10,971.78	7,190.81	296.65	87.61	-177.21	-296.07	-10,930.56	1,847.22	1,722.20	125.02	14.775		
17,200.00	6,966.00	10,971.28	7,190.82	299.49	87.60	-177.34	-295.57	-10,930.56	1,748.02	1,622.50	125.52	13.927		
17,300.00	6,966.26	10,970.77	7,190.82	302.32	87.59	-177.47	-295.06	-10,930.57	1,648.91	1,522.85	126.07	13.080		
17,400.00	6,966.53	10,970.26	7,190.83	305.16	87.59	-177.60	-294.55	-10,930.57	1,549.92	1,423.24	126.69	12.234		
17,500.00	6,966.80	10,969.75	7,190.83	308.00	87.58	-177.73	-294.04	-10,930.58	1,451.07	1,323.68	127.39	11.391		
17,600.00	6,967.06	10,969.24	7,190.84	310.85	87.57	-177.86	-293.52	-10,930.58	1,352.38	1,224.19	128.19	10.550		
17,700.00	6,967.33	10,968.72	7,190.84	313.69	87.56	-177.99	-293.01	-10,930.59	1,253.91	1,124.79	129.12	9.711		
17,800.00	6,967.59	10,968.20	7,190.85	316.53	87.55	-178.12	-292.49	-10,930.59	1,155.69	1,025.48	130.21	8.876		
17,900.00	6,967.86	10,967.68	7,190.85	319.37	87.54	-178.25	-291.97	-10,930.60	1,057.81	926.31	131.50	8.044		
18,000.00	6,968.13	10,967.16	7,190.85	322.21	87.52	-178.38	-291.45	-10,930.60	960.36	827.31	133.06	7.218		
18,100.00	6,968.39	10,966.64	7,190.86	325.05	87.51	-178.51	-290.93	-10,930.60	863.50	728.54	134.96	6.398		
18,200.00	6,968.66	10,966.11	7,190.86	327.90	87.50	-178.65	-290.40	-10,930.61	767.44	630.11	137.33	5.588		
18,300.00	6,968.92	10,965.59	7,190.87	330.74	87.49	-178.78	-289.88	-10,930.61	672.54	532.20	140.33	4.792		
18,400.00	6,969.19	10,965.06	7,190.87	333.58	87.48	-178.91	-289.35	-10,930.62	579.35	435.16	144.19	4.018		
18,500.00	6,969.46	10,964.53	7,190.87	336.43	87.47	-179.05	-288.82	-10,930.62	488.86	339.70	149.16	3.277		
18,600.00	6,969.72	10,963.99	7,190.88	339.27	87.46	-179.18	-288.28	-10,930.63	402.88	247.46	155.42	2.592		
18,704.56	6,970.00	10,963.43	7,190.88	342.24	87.45	-179.32	-287.72	-10,930.63	321.78	159.06	162.72	1.978 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - Merritt 6-66-9-0857BH(PR) - OH - OH		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			
9,200.00	6,944.71	10,595.00	7,107.99	77.07	83.06	130.63	-119.21	-11,119.15	9,923.42	9,812.44	110.97	89.423			
9,300.00	6,944.98	10,595.40	7,107.99	79.63	83.07	130.69	-119.61	-11,119.15	9,823.44	9,712.44	111.00	88.496			
9,400.00	6,945.24	10,595.80	7,107.98	82.21	83.08	130.76	-120.02	-11,119.16	9,723.47	9,612.43	111.04	87.568			
9,500.00	6,945.51	10,596.22	7,107.98	84.81	83.08	130.83	-120.43	-11,119.16	9,623.49	9,512.42	111.08	86.640			
9,600.00	6,945.78	10,596.63	7,107.97	87.43	83.09	130.90	-120.85	-11,119.17	9,523.52	9,412.41	111.11	85.711			
9,700.00	6,946.04	10,597.06	7,107.97	90.05	83.10	130.97	-121.27	-11,119.18	9,423.54	9,312.39	111.15	84.781			
9,800.00	6,946.31	10,597.49	7,107.96	92.70	83.11	131.05	-121.71	-11,119.18	9,323.57	9,212.38	111.19	83.851			
9,900.00	6,946.57	10,597.93	7,107.96	95.35	83.12	131.12	-122.15	-11,119.19	9,223.60	9,112.37	111.23	82.921			
10,000.00	6,946.84	10,598.38	7,107.95	98.02	83.13	131.20	-122.59	-11,119.20	9,123.63	9,012.35	111.28	81.990			
10,100.00	6,947.11	10,598.84	7,107.95	100.70	83.13	131.28	-123.05	-11,119.20	9,023.66	8,912.33	111.32	81.059			
10,200.00	6,947.37	10,599.30	7,107.94	103.38	83.14	131.36	-123.51	-11,119.21	8,923.68	8,812.32	111.37	80.128			
10,300.00	6,947.64	10,599.77	7,107.94	106.08	83.15	131.44	-123.98	-11,119.22	8,823.71	8,712.30	111.42	79.196			
10,400.00	6,947.90	10,600.25	7,107.93	108.78	83.16	131.52	-124.46	-11,119.22	8,723.74	8,612.28	111.47	78.264			
10,500.00	6,948.17	10,600.73	7,107.93	111.49	83.17	131.61	-124.95	-11,119.23	8,623.78	8,512.26	111.52	77.331			
10,600.00	6,948.44	10,601.23	7,107.92	114.21	83.18	131.69	-125.44	-11,119.24	8,523.81	8,412.24	111.57	76.398			
10,700.00	6,948.70	10,601.73	7,107.92	116.94	83.19	131.78	-125.94	-11,119.24	8,423.84	8,312.21	111.62	75.466			
10,800.00	6,948.97	10,602.24	7,107.91	119.67	83.20	131.87	-126.46	-11,119.25	8,323.87	8,212.19	111.68	74.533			
10,900.00	6,949.24	10,602.76	7,107.91	122.41	83.21	131.97	-126.98	-11,119.26	8,223.90	8,112.17	111.74	73.599			
11,000.00	6,949.50	10,603.30	7,107.90	125.15	83.22	132.06	-127.51	-11,119.27	8,123.94	8,012.14	111.80	72.666			
11,100.00	6,949.77	10,603.84	7,107.89	127.90	83.23	132.16	-128.05	-11,119.28	8,023.97	7,912.11	111.86	71.733			
11,200.00	6,950.03	10,604.39	7,107.89	130.65	83.24	132.25	-128.60	-11,119.29	7,924.01	7,812.09	111.92	70.799			
11,300.00	6,950.30	10,604.95	7,107.88	133.41	83.25	132.35	-129.16	-11,119.30	7,824.05	7,712.06	111.99	69.866			
11,400.00	6,950.57	10,605.52	7,107.87	136.17	83.26	132.46	-129.73	-11,119.31	7,724.08	7,612.03	112.05	68.932			
11,500.00	6,950.83	10,606.10	7,107.87	138.94	83.27	132.56	-130.31	-11,119.32	7,624.12	7,512.00	112.12	67.999			
11,600.00	6,951.10	10,606.69	7,107.86	141.71	83.29	132.67	-130.91	-11,119.33	7,524.16	7,411.97	112.19	67.065			
11,700.00	6,951.36	10,607.30	7,107.85	144.48	83.30	132.78	-131.51	-11,119.34	7,424.20	7,311.94	112.26	66.132			
11,800.00	6,951.63	10,607.91	7,107.85	147.26	83.31	132.89	-132.13	-11,119.35	7,324.24	7,211.90	112.34	65.199			
11,900.00	6,951.90	10,608.54	7,107.84	150.03	83.32	133.01	-132.75	-11,119.36	7,224.28	7,111.87	112.41	64.266			
12,000.00	6,952.16	10,609.18	7,107.83	152.82	83.33	133.13	-133.39	-11,119.37	7,124.32	7,011.83	112.49	63.333			
12,100.00	6,952.43	10,609.83	7,107.82	155.60	83.35	133.25	-134.05	-11,119.38	7,024.37	6,911.80	112.57	62.400			
12,200.00	6,952.69	10,610.50	7,107.82	158.39	83.36	133.37	-134.71	-11,119.39	6,924.41	6,811.76	112.65	61.468			
12,300.00	6,952.96	10,611.00	7,107.42	161.18	83.95	139.73	-165.20	-11,120.11	6,824.67	6,711.30	113.37	60.200			
12,400.00	6,953.23	10,611.00	7,107.42	163.97	83.95	139.73	-165.20	-11,120.11	6,724.71	6,611.27	113.43	59.283			
12,500.00	6,953.49	10,611.00	7,107.42	166.77	83.95	139.73	-165.20	-11,120.11	6,624.75	6,511.24	113.50	58.366			
12,600.00	6,953.76	10,611.00	7,107.42	169.56	83.95	139.73	-165.20	-11,120.11	6,524.79	6,411.21	113.58	57.449			
12,700.00	6,954.02	10,611.00	7,107.42	172.36	83.95	139.73	-165.20	-11,120.11	6,424.83	6,311.18	113.65	56.532			
12,800.00	6,954.29	10,611.00	7,107.42	175.16	83.95	139.73	-165.20	-11,120.11	6,324.87	6,211.15	113.72	55.616			
12,900.00	6,954.56	10,611.00	7,107.42	177.97	83.95	139.73	-165.20	-11,120.11	6,224.91	6,111.11	113.80	54.700			
13,000.00	6,954.82	10,611.00	7,107.42	180.77	83.95	139.73	-165.20	-11,120.11	6,124.96	6,011.08	113.88	53.784			
13,100.00	6,955.09	10,611.00	7,107.42	183.58	83.95	139.73	-165.20	-11,120.11	6,025.01	5,911.05	113.96	52.869			
13,200.00	6,955.35	10,611.00	7,107.42	186.38	83.95	139.73	-165.20	-11,120.11	5,925.06	5,811.01	114.04	51.954			
13,300.00	6,955.62	10,611.00	7,107.42	189.19	83.95	139.73	-165.20	-11,120.11	5,825.11	5,710.98	114.13	51.039			
13,400.00	6,955.89	10,611.00	7,107.42	192.00	83.95	139.73	-165.20	-11,120.11	5,725.16	5,610.94	114.22	50.125			
13,500.00	6,956.15	10,611.00	7,107.42	194.82	83.95	139.73	-165.20	-11,120.11	5,625.21	5,510.91	114.31	49.212			
13,600.00	6,956.42	10,611.00	7,107.42	197.63	83.95	139.73	-165.20	-11,120.11	5,525.27	5,410.87	114.40	48.298			
13,700.00	6,956.68	10,611.00	7,107.42	200.44	83.95	139.73	-165.20	-11,120.11	5,425.33	5,310.83	114.49	47.386			
13,800.00	6,956.95	10,611.00	7,107.42	203.26	83.95	139.73	-165.20	-11,120.11	5,325.39	5,210.80	114.59	46.473			
13,900.00	6,957.22	10,611.00	7,107.42	206.08	83.95	139.73	-165.20	-11,120.11	5,225.45	5,110.76	114.69	45.562			
14,000.00	6,957.48	10,611.00	7,107.42	208.89	83.95	139.73	-165.20	-11,120.11	5,125.51	5,010.72	114.79	44.650			
14,100.00	6,957.75	10,611.00	7,107.42	211.71	83.95	139.73	-165.20	-11,120.11	5,025.58	4,910.68	114.90	43.740			
14,200.00	6,958.02	10,611.00	7,107.42	214.53	83.95	139.73	-165.20	-11,120.11	4,925.65	4,810.65	115.01	42.829			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
14,300.00	6,958.28	10,641.00	7,107.42	217.36	83.95	139.73	-165.20	-11,120.11	4,825.72	4,710.61	115.12	41.920		
14,400.00	6,958.55	10,641.00	7,107.42	220.18	83.95	139.73	-165.20	-11,120.11	4,725.80	4,610.57	115.23	41.011		
14,500.00	6,958.81	10,641.00	7,107.42	223.00	83.95	139.73	-165.20	-11,120.11	4,625.88	4,510.53	115.35	40.102		
14,600.00	6,959.08	10,641.00	7,107.42	225.83	83.95	139.73	-165.20	-11,120.11	4,525.96	4,410.49	115.48	39.194		
14,700.00	6,959.35	10,641.00	7,107.42	228.65	83.95	139.73	-165.20	-11,120.11	4,426.05	4,310.45	115.60	38.287		
14,800.00	6,959.61	10,641.00	7,107.42	231.48	83.95	139.73	-165.20	-11,120.11	4,326.14	4,210.41	115.73	37.380		
14,900.00	6,959.88	10,641.00	7,107.42	234.30	83.95	139.73	-165.20	-11,120.11	4,226.24	4,110.37	115.87	36.474		
15,000.00	6,960.14	10,641.00	7,107.42	237.13	83.95	139.73	-165.20	-11,120.11	4,126.34	4,010.32	116.01	35.568		
15,100.00	6,960.41	10,641.00	7,107.42	239.96	83.95	139.73	-165.20	-11,120.11	4,026.44	3,910.28	116.16	34.663		
15,200.00	6,960.68	10,641.00	7,107.42	242.79	83.95	139.73	-165.20	-11,120.11	3,926.55	3,810.24	116.31	33.759		
15,300.00	6,960.94	10,641.00	7,107.42	245.62	83.95	139.73	-165.20	-11,120.11	3,826.67	3,710.19	116.47	32.855		
15,400.00	6,961.21	10,645.25	7,107.37	248.45	84.03	140.73	-169.45	-11,120.23	3,726.79	3,610.10	116.69	31.937		
15,500.00	6,961.47	10,649.88	7,107.31	251.28	84.12	141.85	-174.08	-11,120.35	3,626.91	3,509.99	116.92	31.021		
15,600.00	6,961.74	10,654.38	7,107.25	254.11	84.21	142.98	-178.58	-11,120.48	3,527.04	3,409.89	117.14	30.108		
15,700.00	6,962.01	10,658.77	7,107.20	256.94	84.29	144.11	-182.96	-11,120.60	3,427.17	3,309.79	117.37	29.199		
15,800.00	6,962.27	10,663.04	7,107.15	259.77	84.37	145.25	-187.23	-11,120.71	3,327.30	3,209.69	117.60	28.292		
15,900.00	6,962.54	10,667.20	7,107.11	262.61	84.45	146.39	-191.39	-11,120.82	3,227.44	3,109.60	117.84	27.389		
16,000.00	6,962.80	10,671.26	7,107.07	265.44	84.53	147.53	-195.45	-11,120.92	3,127.58	3,009.51	118.07	26.489		
16,100.00	6,963.07	10,675.22	7,107.03	268.28	84.61	148.68	-199.40	-11,121.02	3,027.73	2,909.41	118.31	25.591		
16,200.00	6,963.34	10,679.08	7,107.00	271.11	84.68	149.82	-203.26	-11,121.12	2,927.88	2,809.33	118.55	24.697		
16,300.00	6,963.60	10,682.84	7,106.97	273.95	84.75	150.97	-207.03	-11,121.21	2,828.04	2,709.24	118.80	23.805		
16,400.00	6,963.87	10,686.52	7,106.94	276.78	84.82	152.11	-210.70	-11,121.30	2,728.21	2,609.16	119.05	22.916		
16,500.00	6,964.13	10,690.11	7,106.92	279.62	84.89	153.25	-214.29	-11,121.39	2,628.39	2,509.08	119.31	22.030		
16,600.00	6,964.40	10,693.61	7,106.90	282.46	84.96	154.38	-217.79	-11,121.47	2,528.58	2,409.00	119.58	21.146		
16,700.00	6,964.67	10,697.03	7,106.88	285.29	85.03	155.51	-221.21	-11,121.55	2,428.77	2,308.92	119.85	20.265		
16,800.00	6,964.93	10,700.38	7,106.86	288.13	85.09	156.64	-224.55	-11,121.63	2,328.99	2,208.85	120.13	19.386		
16,900.00	6,965.20	10,703.64	7,106.84	290.97	85.15	157.76	-227.82	-11,121.70	2,229.22	2,108.79	120.43	18.511		
17,000.00	6,965.46	10,706.84	7,106.83	293.81	85.22	158.87	-231.02	-11,121.78	2,129.46	2,008.72	120.74	17.637		
17,100.00	6,965.73	10,709.96	7,106.82	296.65	85.28	159.98	-234.14	-11,121.85	2,029.73	1,908.66	121.06	16.766		
17,200.00	6,966.00	10,713.02	7,106.80	299.49	85.34	161.08	-237.20	-11,121.91	1,930.01	1,808.61	121.40	15.898		
17,300.00	6,966.26	10,716.01	7,106.80	302.32	85.39	162.16	-240.18	-11,121.98	1,830.33	1,708.56	121.77	15.031		
17,400.00	6,966.53	10,718.93	7,106.79	305.16	85.45	163.24	-243.11	-11,122.04	1,730.68	1,608.52	122.16	14.168		
17,500.00	6,966.80	10,721.80	7,106.78	308.00	85.50	164.31	-245.97	-11,122.10	1,631.07	1,508.49	122.58	13.306		
17,600.00	6,967.06	10,724.60	7,106.78	310.85	85.56	165.36	-248.77	-11,122.16	1,531.50	1,408.46	123.04	12.447		
17,700.00	6,967.33	10,727.35	7,106.77	313.69	85.61	166.41	-251.52	-11,122.21	1,431.98	1,308.44	123.54	11.591		
17,800.00	6,967.59	10,730.04	7,106.77	316.53	85.66	167.44	-254.21	-11,122.27	1,332.54	1,208.43	124.11	10.737		
17,900.00	6,967.86	10,732.67	7,106.77	319.37	85.71	168.45	-256.84	-11,122.32	1,233.18	1,108.43	124.75	9.885		
18,000.00	6,968.13	10,735.25	7,106.77	322.21	85.76	169.46	-259.42	-11,122.37	1,133.93	1,008.44	125.49	9.036		
18,100.00	6,968.39	10,737.78	7,106.77	325.05	85.81	170.45	-261.95	-11,122.42	1,034.81	908.45	126.36	8.189		
18,200.00	6,968.66	10,740.26	7,106.77	327.90	85.86	171.43	-264.43	-11,122.47	935.88	808.48	127.40	7.346		
18,300.00	6,968.92	10,742.69	7,106.77	330.74	85.91	172.39	-266.86	-11,122.52	837.20	708.52	128.67	6.506		
18,400.00	6,969.19	10,745.07	7,106.78	333.58	85.95	173.34	-269.24	-11,122.56	738.86	608.57	130.29	5.671		
18,500.00	6,969.46	10,747.37	7,106.78	336.43	86.00	174.26	-271.54	-11,122.60	641.03	508.63	132.39	4.842		
18,600.00	6,969.72	10,749.66	7,106.79	339.27	86.04	175.18	-273.83	-11,122.65	543.97	408.73	135.24	4.022		
18,704.56	6,970.00	10,752.01	7,106.79	342.24	86.09	176.12	-276.18	-11,122.69	443.88	304.39	139.50	3.182 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-143.58	-2,477.58	-1,828.12	3,079.10					
100.00	100.00	79.00	79.00	3.28	3.56	-143.58	-2,477.58	-1,828.12	3,079.03	3,072.19	6.84	449.967		
200.00	200.00	179.00	179.00	3.34	5.57	-143.58	-2,477.58	-1,828.12	3,079.03	3,070.12	8.91	345.636		
300.00	299.98	278.98	278.98	3.44	8.64	116.44	-2,477.58	-1,828.12	3,079.81	3,067.72	12.08	254.898		
400.00	399.84	378.84	378.84	3.60	11.94	116.48	-2,477.58	-1,828.12	3,082.14	3,066.61	15.54	198.390		
500.00	499.45	478.45	478.45	3.80	15.31	116.56	-2,477.58	-1,828.12	3,086.05	3,066.93	19.11	161.469		
600.00	598.70	577.70	577.70	4.05	18.71	116.66	-2,477.58	-1,828.12	3,091.54	3,068.78	22.76	135.842		
700.00	697.47	676.47	676.47	4.33	22.11	116.79	-2,477.58	-1,828.12	3,098.64	3,072.19	26.45	117.157		
803.50	799.05	778.05	778.05	4.67	25.63	116.95	-2,477.58	-1,828.12	3,107.73	3,077.43	30.30	102.569		
900.00	893.41	872.41	872.41	5.02	28.90	117.27	-2,477.58	-1,828.12	3,117.09	3,083.17	33.91	91.910		
1,000.00	991.20	970.20	970.20	5.41	32.29	117.61	-2,477.58	-1,828.12	3,126.89	3,089.21	37.69	82.966		
1,100.00	1,088.99	1,067.99	1,067.99	5.81	35.69	117.94	-2,477.58	-1,828.12	3,136.81	3,095.32	41.49	75.611		
1,200.00	1,186.78	1,165.78	1,165.78	6.23	39.09	118.27	-2,477.58	-1,828.12	3,146.83	3,101.53	45.30	69.463		
1,300.00	1,284.57	1,263.57	1,263.57	6.67	42.49	118.60	-2,477.58	-1,828.12	3,156.96	3,107.83	49.13	64.254		
1,400.00	1,382.36	1,361.36	1,361.36	7.12	45.90	118.93	-2,477.58	-1,828.12	3,167.20	3,114.22	52.97	59.787		
1,500.00	1,480.15	1,459.15	1,459.15	7.57	49.30	119.25	-2,477.58	-1,828.12	3,177.54	3,120.71	56.83	55.916		
1,600.00	1,577.94	1,556.94	1,556.94	8.03	52.71	119.57	-2,477.58	-1,828.12	3,187.98	3,127.29	60.69	52.532		
1,700.00	1,675.73	1,654.73	1,654.73	8.50	56.12	119.89	-2,477.58	-1,828.12	3,198.53	3,133.97	64.55	49.549		
1,800.00	1,773.52	1,752.52	1,752.52	8.98	59.53	120.21	-2,477.58	-1,828.12	3,209.17	3,140.75	68.42	46.901		
1,900.00	1,871.31	1,850.31	1,850.31	9.45	62.93	120.53	-2,477.58	-1,828.12	3,219.92	3,147.62	72.30	44.535		
2,000.00	1,969.10	1,948.10	1,948.10	9.94	66.34	120.84	-2,477.58	-1,828.12	3,230.77	3,154.59	76.18	42.409		
2,100.00	2,066.88	2,045.88	2,045.88	10.42	69.75	121.15	-2,477.58	-1,828.12	3,241.72	3,161.65	80.06	40.489		
2,200.00	2,164.67	2,143.67	2,143.67	10.91	73.16	121.46	-2,477.58	-1,828.12	3,252.76	3,168.81	83.95	38.747		
2,300.00	2,262.46	2,241.46	2,241.46	11.40	76.57	121.77	-2,477.58	-1,828.12	3,263.90	3,176.06	87.84	37.158		
2,400.00	2,360.25	2,339.25	2,339.25	11.89	79.99	122.08	-2,477.58	-1,828.12	3,275.14	3,183.41	91.73	35.705		
2,500.00	2,458.04	2,437.04	2,437.04	12.39	83.40	122.38	-2,477.58	-1,828.12	3,286.47	3,190.85	95.62	34.370		
2,600.00	2,555.83	2,534.83	2,534.83	12.88	86.81	122.68	-2,477.58	-1,828.12	3,297.89	3,198.38	99.51	33.140		
2,700.00	2,653.62	2,632.62	2,632.62	13.38	90.22	122.98	-2,477.58	-1,828.12	3,309.41	3,206.00	103.41	32.003		
2,800.00	2,751.41	2,730.41	2,730.41	13.88	93.63	123.28	-2,477.58	-1,828.12	3,321.02	3,213.71	107.30	30.950		
2,900.00	2,849.20	2,828.20	2,828.20	14.38	97.04	123.58	-2,477.58	-1,828.12	3,332.72	3,221.52	111.20	29.970		
3,000.00	2,946.99	2,925.99	2,925.99	14.88	100.45	123.87	-2,477.58	-1,828.12	3,344.51	3,229.41	115.10	29.058		
3,100.00	3,044.78	3,023.78	3,023.78	15.38	103.87	124.16	-2,477.58	-1,828.12	3,356.38	3,237.39	119.00	28.206		
3,200.00	3,142.57	3,121.57	3,121.57	15.89	107.28	124.45	-2,477.58	-1,828.12	3,368.35	3,245.46	122.89	27.409		
3,300.00	3,240.36	3,219.36	3,219.36	16.39	110.69	124.74	-2,477.58	-1,828.12	3,380.40	3,253.61	126.79	26.661		
3,400.00	3,338.15	3,317.15	3,317.15	16.89	114.10	125.03	-2,477.58	-1,828.12	3,392.54	3,261.85	130.69	25.958		
3,500.00	3,435.93	3,414.93	3,414.93	17.40	117.52	125.31	-2,477.58	-1,828.12	3,404.77	3,270.17	134.59	25.297		
3,600.00	3,533.72	3,512.72	3,512.72	17.90	120.93	125.59	-2,477.58	-1,828.12	3,417.08	3,278.58	138.49	24.673		
3,700.00	3,631.51	3,610.51	3,610.51	18.41	124.34	125.87	-2,477.58	-1,828.12	3,429.47	3,287.07	142.39	24.085		
3,800.00	3,729.30	3,708.30	3,708.30	18.92	127.75	126.15	-2,477.58	-1,828.12	3,441.94	3,295.65	146.29	23.528		
3,900.00	3,827.09	3,806.09	3,806.09	19.42	131.17	126.43	-2,477.58	-1,828.12	3,454.50	3,304.30	150.19	23.000		
4,000.00	3,924.88	3,903.88	3,903.88	19.93	134.58	126.70	-2,477.58	-1,828.12	3,467.13	3,313.04	154.09	22.500		
4,100.00	4,022.67	4,001.67	4,001.67	20.44	137.99	126.97	-2,477.58	-1,828.12	3,479.85	3,321.86	157.99	22.025		
4,200.00	4,120.46	4,100.54	4,099.46	20.95	141.44	127.24	-2,477.58	-1,828.12	3,492.65	3,330.71	161.93	21.568		
4,300.00	4,218.25	4,202.75	4,197.25	21.46	145.01	127.51	-2,477.58	-1,828.12	3,505.52	3,339.53	165.99	21.119		
4,400.00	4,316.04	4,304.96	4,295.04	21.97	148.58	127.78	-2,477.58	-1,828.12	3,518.47	3,348.43	170.04	20.692		
4,500.00	4,413.83	4,407.17	4,392.83	22.48	152.14	128.04	-2,477.58	-1,828.12	3,531.50	3,357.40	174.10	20.285		
4,600.00	4,511.62	4,509.38	4,490.62	22.99	155.71	128.31	-2,477.58	-1,828.12	3,544.60	3,366.45	178.15	19.896		
4,700.00	4,609.41	4,588.41	4,588.41	23.50	158.47	128.57	-2,477.58	-1,828.12	3,557.77	3,376.38	181.40	19.613		
4,800.00	4,707.20	4,686.20	4,686.20	24.01	161.88	128.83	-2,477.58	-1,828.12	3,571.03	3,385.73	185.30	19.272		
4,900.00	4,804.98	4,783.98	4,783.98	24.52	165.30	129.08	-2,477.58	-1,828.12	3,584.35	3,395.15	189.20	18.945		
5,000.00	4,902.77	4,881.77	4,881.77	25.03	168.71	129.34	-2,477.58	-1,828.12	3,597.75	3,404.65	193.10	18.632		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - MICHAEL I #14-2 - 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	5,000.56	4,979.56	4,979.56	25.54	172.12	129.59	-2,477.58	-1,828.12	3,611.21	3,414.21	197.00	18.331					
5,200.00	5,098.35	5,077.35	5,077.35	26.05	175.54	129.84	-2,477.58	-1,828.12	3,624.75	3,423.85	200.90	18.043					
5,300.00	5,196.14	5,175.14	5,175.14	26.56	178.95	130.09	-2,477.58	-1,828.12	3,638.36	3,433.56	204.80	17.766					
5,400.00	5,293.93	5,272.93	5,272.93	27.07	182.36	130.34	-2,477.58	-1,828.12	3,652.03	3,443.34	208.70	17.499					
5,500.00	5,391.72	5,370.72	5,370.72	27.58	185.78	130.59	-2,477.58	-1,828.12	3,665.78	3,453.18	212.60	17.243					
5,600.00	5,489.51	5,468.51	5,468.51	28.09	189.19	130.83	-2,477.58	-1,828.12	3,679.59	3,463.10	216.50	16.996					
5,700.00	5,587.30	5,566.30	5,566.30	28.61	192.60	131.07	-2,477.58	-1,828.12	3,693.47	3,473.08	220.39	16.758					
5,800.00	5,685.09	5,664.09	5,664.09	29.12	196.02	131.31	-2,477.58	-1,828.12	3,707.42	3,483.12	224.29	16.529					
5,900.00	5,782.88	5,761.88	5,761.88	29.63	199.43	131.55	-2,477.58	-1,828.12	3,721.43	3,493.24	228.19	16.308					
6,000.00	5,880.67	5,859.67	5,859.67	30.14	202.84	131.79	-2,477.58	-1,828.12	3,735.50	3,503.41	232.09	16.095					
6,100.00	5,978.46	5,957.46	5,957.46	30.65	206.26	132.02	-2,477.58	-1,828.12	3,749.64	3,513.65	235.99	15.889					
6,200.00	6,076.25	6,055.25	6,055.25	31.17	209.67	132.26	-2,477.58	-1,828.12	3,763.84	3,523.96	239.89	15.690					
6,298.86	6,172.92	6,151.92	6,151.92	31.67	213.04	132.49	-2,477.58	-1,828.12	3,777.94	3,534.20	243.74	15.500					
6,300.00	6,174.03	6,153.03	6,153.03	31.68	213.08	132.41	-2,477.58	-1,828.12	3,778.11	3,534.32	243.78	15.498					
6,350.00	6,223.30	6,202.30	6,202.30	31.92	214.80	126.66	-2,477.58	-1,828.12	3,783.63	3,537.90	245.73	15.397					
6,400.00	6,273.06	6,252.06	6,252.06	32.13	216.54	105.45	-2,477.58	-1,828.12	3,786.02	3,538.34	247.68	15.286					
6,450.00	6,323.01	6,302.01	6,302.01	32.32	218.28	15.03	-2,477.58	-1,828.12	3,785.27	3,535.65	249.61	15.165					
6,500.00	6,372.84	6,351.84	6,351.84	32.48	220.02	-17.45	-2,477.58	-1,828.12	3,781.36	3,529.84	251.51	15.034					
6,550.00	6,422.24	6,401.24	6,401.24	32.65	221.75	-25.63	-2,477.58	-1,828.12	3,774.32	3,520.93	253.39	14.895					
6,600.00	6,470.92	6,449.92	6,449.92	32.83	223.45	-29.57	-2,477.58	-1,828.12	3,764.21	3,508.96	255.24	14.747					
6,650.00	6,518.56	6,502.44	6,497.56	33.01	225.28	-32.25	-2,477.58	-1,828.12	3,751.09	3,493.86	257.23	14.583					
6,700.00	6,564.89	6,543.89	6,543.89	33.21	226.73	-34.50	-2,477.58	-1,828.12	3,735.05	3,476.23	258.82	14.431					
6,750.00	6,609.60	6,588.60	6,588.60	33.43	228.29	-36.65	-2,477.58	-1,828.12	3,716.23	3,455.70	260.53	14.264					
6,800.00	6,652.43	6,631.43	6,631.43	33.66	229.78	-38.87	-2,477.58	-1,828.12	3,694.75	3,432.57	262.18	14.092					
6,850.00	6,693.10	6,672.10	6,672.10	33.91	231.20	-41.25	-2,477.58	-1,828.12	3,670.76	3,407.01	263.76	13.917					
6,900.00	6,731.38	6,710.38	6,710.38	34.20	232.54	-43.88	-2,477.58	-1,828.12	3,644.46	3,379.20	265.26	13.739					
6,950.00	6,767.02	6,746.02	6,746.02	34.51	233.78	-46.79	-2,477.58	-1,828.12	3,616.02	3,349.35	266.68	13.560					
7,000.00	6,799.81	6,778.81	6,778.81	34.85	234.93	-50.05	-2,477.58	-1,828.12	3,585.67	3,317.66	268.01	13.379					
7,050.00	6,829.54	6,808.54	6,808.54	35.24	235.96	-53.66	-2,477.58	-1,828.12	3,553.61	3,284.35	269.26	13.198					
7,100.00	6,856.03	6,835.03	6,835.03	35.66	236.89	-57.64	-2,477.58	-1,828.12	3,520.09	3,249.68	270.41	13.018					
7,150.00	6,879.11	6,858.11	6,858.11	36.12	237.69	-62.00	-2,477.58	-1,828.12	3,485.34	3,213.87	271.47	12.839					
7,200.00	6,898.65	6,877.65	6,877.65	36.62	238.38	-66.67	-2,477.58	-1,828.12	3,449.63	3,177.19	272.43	12.662					
7,250.00	6,914.51	6,906.49	6,893.51	37.15	239.38	-71.61	-2,477.58	-1,828.12	3,413.19	3,139.44	273.75	12.468					
7,300.00	6,926.62	6,905.62	6,905.62	37.73	239.35	-76.72	-2,477.58	-1,828.12	3,376.30	3,102.24	274.06	12.320					
7,350.00	6,934.88	6,913.88	6,913.88	38.34	239.64	-81.88	-2,477.58	-1,828.12	3,339.20	3,064.48	274.71	12.155					
7,400.00	6,939.26	6,918.26	6,918.26	38.97	239.79	-86.96	-2,477.58	-1,828.12	3,302.15	3,026.89	275.26	11.996					
7,429.12	6,940.00	6,919.00	6,919.00	39.34	239.82	-89.84	-2,477.58	-1,828.12	3,280.70	3,005.16	275.54	11.907					
7,500.00	6,940.19	6,919.19	6,919.19	40.31	239.83	-89.84	-2,477.58	-1,828.12	3,229.00	2,952.81	276.19	11.691					
7,600.00	6,940.46	6,919.46	6,919.46	41.80	239.84	-89.85	-2,477.58	-1,828.12	3,157.33	2,880.09	277.25	11.388					
7,700.00	6,940.72	6,919.72	6,919.72	43.43	239.84	-89.85	-2,477.58	-1,828.12	3,087.24	2,808.78	278.47	11.087					
7,800.00	6,940.99	6,919.99	6,919.99	45.19	239.85	-89.86	-2,477.58	-1,828.12	3,018.84	2,738.98	279.85	10.787					
7,900.00	6,941.25	6,920.25	6,920.25	47.05	239.86	-89.87	-2,477.58	-1,828.12	2,952.23	2,670.82	281.41	10.491					
8,000.00	6,941.52	6,920.52	6,920.52	49.02	239.87	-89.87	-2,477.58	-1,828.12	2,887.56	2,604.42	283.14	10.198					
8,100.00	6,941.79	6,920.79	6,920.79	51.06	239.88	-89.88	-2,477.58	-1,828.12	2,824.94	2,539.91	285.03	9.911					
8,200.00	6,942.05	6,921.05	6,921.05	53.18	239.89	-89.89	-2,477.58	-1,828.12	2,764.53	2,477.43	287.09	9.629					
8,300.00	6,942.32	6,921.32	6,921.32	55.37	239.90	-89.89	-2,477.58	-1,828.12	2,706.46	2,417.14	289.32	9.355					
8,400.00	6,942.58	6,921.58	6,921.58	57.62	239.91	-89.90	-2,477.58	-1,828.12	2,650.89	2,359.20	291.69	9.088					
8,500.00	6,942.85	6,921.85	6,921.85	59.92	239.92	-89.91	-2,477.58	-1,828.12	2,597.99	2,303.77	294.22	8.830					
8,600.00	6,943.12	6,922.12	6,922.12	62.26	239.93	-89.92	-2,477.58	-1,828.12	2,547.91	2,251.03	296.88	8.582					
8,700.00	6,943.38	6,922.38	6,922.38	64.65	239.94	-89.92	-2,477.58	-1,828.12	2,500.83	2,201.17	299.66	8.345					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,922.65	6,922.65	67.08	239.95	-89.93	-2,477.58	-1,828.12	2,456.92	2,154.37	302.56	8.121		
8,900.00	6,943.91	6,922.91	6,922.91	69.53	239.96	-89.94	-2,477.58	-1,828.12	2,416.36	2,110.82	305.54	7.909		
9,000.00	6,944.18	6,923.18	6,923.18	72.02	239.97	-89.94	-2,477.58	-1,828.12	2,379.30	2,070.71	308.59	7.710		
9,100.00	6,944.45	6,923.45	6,923.45	74.54	239.97	-89.95	-2,477.58	-1,828.12	2,345.93	2,034.23	311.70	7.526		
9,200.00	6,944.71	6,923.71	6,923.71	77.07	239.98	-89.96	-2,477.58	-1,828.12	2,316.40	2,001.57	314.83	7.358		
9,300.00	6,944.98	6,923.98	6,923.98	79.63	239.99	-89.96	-2,477.58	-1,828.12	2,290.85	1,972.89	317.96	7.205		
9,400.00	6,945.24	6,924.24	6,924.24	82.21	240.00	-89.97	-2,477.58	-1,828.12	2,269.43	1,948.36	321.07	7.068		
9,500.00	6,945.51	6,924.51	6,924.51	84.81	240.01	-89.98	-2,477.58	-1,828.12	2,252.25	1,928.12	324.13	6.949		
9,600.00	6,945.78	6,924.78	6,924.78	87.43	240.02	-89.98	-2,477.58	-1,828.12	2,239.41	1,912.30	327.11	6.846		
9,700.00	6,946.04	6,925.04	6,925.04	90.05	240.03	-89.99	-2,477.58	-1,828.12	2,230.97	1,900.99	329.98	6.761		
9,800.00	6,946.31	6,925.31	6,925.31	92.70	240.04	-90.00	-2,477.58	-1,828.12	2,227.00	1,894.27	332.74	6.693		
9,838.47	6,946.41	6,925.41	6,925.41	93.72	240.04	-90.00	-2,477.58	-1,828.12	2,226.67	1,892.92	333.76	6.672 CC		
9,900.00	6,946.57	6,925.57	6,925.57	95.35	240.05	-90.00	-2,477.58	-1,828.12	2,227.52	1,892.18	335.34	6.643 ES		
10,000.00	6,946.84	6,925.84	6,925.84	98.02	240.06	-90.01	-2,477.58	-1,828.12	2,232.52	1,894.75	337.78	6.609		
10,100.00	6,947.11	6,926.11	6,926.11	100.70	240.07	-90.02	-2,477.58	-1,828.12	2,241.98	1,901.94	340.03	6.593 SF		
10,200.00	6,947.37	6,926.37	6,926.37	103.38	240.08	-90.02	-2,477.58	-1,828.12	2,255.83	1,913.73	342.10	6.594		
10,300.00	6,947.64	6,926.64	6,926.64	106.08	240.09	-90.03	-2,477.58	-1,828.12	2,274.00	1,930.03	343.97	6.611		
10,400.00	6,947.90	6,926.90	6,926.90	108.78	240.10	-90.04	-2,477.58	-1,828.12	2,296.39	1,950.75	345.64	6.644		
10,500.00	6,948.17	6,927.17	6,927.17	111.49	240.10	-90.05	-2,477.58	-1,828.12	2,322.86	1,975.76	347.11	6.692		
10,600.00	6,948.44	6,927.44	6,927.44	114.21	240.11	-90.05	-2,477.58	-1,828.12	2,353.30	2,004.91	348.38	6.755		
10,700.00	6,948.70	6,927.70	6,927.70	116.94	240.12	-90.06	-2,477.58	-1,828.12	2,387.53	2,038.06	349.47	6.832		
10,800.00	6,948.97	6,927.97	6,927.97	119.67	240.13	-90.07	-2,477.58	-1,828.12	2,425.41	2,075.04	350.37	6.922		
10,900.00	6,949.24	6,928.24	6,928.24	122.41	240.14	-90.07	-2,477.58	-1,828.12	2,466.76	2,115.65	351.11	7.026		
11,000.00	6,949.50	6,928.50	6,928.50	125.15	240.15	-90.08	-2,477.58	-1,828.12	2,511.42	2,159.73	351.69	7.141		
11,100.00	6,949.77	6,928.77	6,928.77	127.90	240.16	-90.09	-2,477.58	-1,828.12	2,559.20	2,207.08	352.12	7.268		
11,200.00	6,950.03	6,929.03	6,929.03	130.65	240.17	-90.09	-2,477.58	-1,828.12	2,609.95	2,257.52	352.43	7.406		
11,300.00	6,950.30	6,929.30	6,929.30	133.41	240.18	-90.10	-2,477.58	-1,828.12	2,663.48	2,310.86	352.62	7.553		
11,400.00	6,950.57	6,929.57	6,929.57	136.17	240.19	-90.11	-2,477.58	-1,828.12	2,719.64	2,366.94	352.70	7.711		
11,500.00	6,950.83	6,929.83	6,929.83	138.94	240.20	-90.11	-2,477.58	-1,828.12	2,778.26	2,425.57	352.69	7.877		
11,600.00	6,951.10	6,930.10	6,930.10	141.71	240.21	-90.12	-2,477.58	-1,828.12	2,839.20	2,486.60	352.60	8.052		
11,700.00	6,951.36	6,930.36	6,930.36	144.48	240.22	-90.13	-2,477.58	-1,828.12	2,902.30	2,549.87	352.43	8.235		
11,800.00	6,951.63	6,930.63	6,930.63	147.26	240.23	-90.13	-2,477.58	-1,828.12	2,967.43	2,615.23	352.21	8.425		
11,900.00	6,951.90	6,930.90	6,930.90	150.03	240.23	-90.14	-2,477.58	-1,828.12	3,034.46	2,682.53	351.93	8.622		
12,000.00	6,952.16	6,931.16	6,931.16	152.82	240.24	-90.15	-2,477.58	-1,828.12	3,103.27	2,751.66	351.61	8.826		
12,100.00	6,952.43	6,931.43	6,931.43	155.60	240.25	-90.15	-2,477.58	-1,828.12	3,173.73	2,822.48	351.25	9.036		
12,200.00	6,952.69	6,931.69	6,931.69	158.39	240.26	-90.16	-2,477.58	-1,828.12	3,245.75	2,894.89	350.86	9.251		
12,300.00	6,952.96	6,931.96	6,931.96	161.18	240.27	-90.17	-2,477.58	-1,828.12	3,319.21	2,968.77	350.44	9.471		
12,400.00	6,953.23	6,932.23	6,932.23	163.97	240.28	-90.18	-2,477.58	-1,828.12	3,394.04	3,044.03	350.01	9.697		
12,500.00	6,953.49	6,932.49	6,932.49	166.77	240.29	-90.18	-2,477.58	-1,828.12	3,470.13	3,120.57	349.56	9.927		
12,600.00	6,953.76	6,932.76	6,932.76	169.56	240.30	-90.19	-2,477.58	-1,828.12	3,547.41	3,198.31	349.10	10.162		
12,700.00	6,954.02	6,933.02	6,933.02	172.36	240.31	-90.20	-2,477.58	-1,828.12	3,625.80	3,277.17	348.63	10.400		
12,800.00	6,954.29	6,933.29	6,933.29	175.16	240.32	-90.20	-2,477.58	-1,828.12	3,705.23	3,357.08	348.15	10.643		
12,900.00	6,954.56	6,933.56	6,933.56	177.97	240.33	-90.21	-2,477.58	-1,828.12	3,785.63	3,437.96	347.67	10.889		
13,000.00	6,954.82	6,933.82	6,933.82	180.77	240.34	-90.22	-2,477.58	-1,828.12	3,866.95	3,519.76	347.19	11.138		
13,100.00	6,955.09	6,934.09	6,934.09	183.58	240.35	-90.22	-2,477.58	-1,828.12	3,949.13	3,602.42	346.71	11.390		
13,200.00	6,955.35	6,934.35	6,934.35	186.38	240.36	-90.23	-2,477.58	-1,828.12	4,032.11	3,685.88	346.23	11.646		
13,300.00	6,955.62	6,934.62	6,934.62	189.19	240.36	-90.24	-2,477.58	-1,828.12	4,115.85	3,770.09	345.76	11.904		
13,400.00	6,955.89	6,934.89	6,934.89	192.00	240.37	-90.24	-2,477.58	-1,828.12	4,200.30	3,855.00	345.29	12.164		
13,500.00	6,956.15	6,935.15	6,935.15	194.82	240.38	-90.25	-2,477.58	-1,828.12	4,285.42	3,940.59	344.83	12.428		
13,600.00	6,956.42	6,935.42	6,935.42	197.63	240.39	-90.26	-2,477.58	-1,828.12	4,371.17	4,026.79	344.38	12.693		
13,700.00	6,956.68	6,935.68	6,935.68	200.44	240.40	-90.26	-2,477.58	-1,828.12	4,457.51	4,113.58	343.93	12.961		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,935.95	6,935.95	203.26	240.41	-90.27	-2,477.58	-1,828.12	4,544.42	4,200.93	343.49	13.230		
13,900.00	6,957.22	6,936.22	6,936.22	206.08	240.42	-90.28	-2,477.58	-1,828.12	4,631.85	4,288.79	343.06	13.502		
14,000.00	6,957.48	6,936.48	6,936.48	208.89	240.43	-90.28	-2,477.58	-1,828.12	4,719.78	4,377.15	342.63	13.775		
14,100.00	6,957.75	6,936.75	6,936.75	211.71	240.44	-90.29	-2,477.58	-1,828.12	4,808.18	4,465.97	342.22	14.050		
14,200.00	6,958.02	6,937.02	6,937.02	214.53	240.45	-90.30	-2,477.58	-1,828.12	4,897.03	4,555.22	341.81	14.327		
14,300.00	6,958.28	6,937.28	6,937.28	217.36	240.46	-90.31	-2,477.58	-1,828.12	4,986.30	4,644.89	341.41	14.605		
14,400.00	6,958.55	6,937.55	6,937.55	220.18	240.47	-90.31	-2,477.58	-1,828.12	5,075.98	4,734.95	341.02	14.884		
14,500.00	6,958.81	6,937.81	6,937.81	223.00	240.48	-90.32	-2,477.58	-1,828.12	5,166.03	4,825.38	340.64	15.165		
14,600.00	6,959.08	6,938.08	6,938.08	225.83	240.49	-90.33	-2,477.58	-1,828.12	5,256.44	4,916.16	340.27	15.448		
14,700.00	6,959.35	6,938.35	6,938.35	228.65	240.49	-90.33	-2,477.58	-1,828.12	5,347.19	5,007.28	339.91	15.731		
14,800.00	6,959.61	6,938.61	6,938.61	231.48	240.50	-90.34	-2,477.58	-1,828.12	5,438.26	5,098.71	339.56	16.016		
14,900.00	6,959.88	6,938.88	6,938.88	234.30	240.51	-90.35	-2,477.58	-1,828.12	5,529.65	5,190.43	339.22	16.301		
15,000.00	6,960.14	6,939.14	6,939.14	237.13	240.52	-90.35	-2,477.58	-1,828.12	5,621.33	5,282.45	338.88	16.588		
15,100.00	6,960.41	6,939.41	6,939.41	239.96	240.53	-90.36	-2,477.58	-1,828.12	5,713.28	5,374.73	338.55	16.876		
15,200.00	6,960.68	6,939.68	6,939.68	242.79	240.54	-90.37	-2,477.58	-1,828.12	5,805.51	5,467.27	338.23	17.164		
15,300.00	6,960.94	6,939.94	6,939.94	245.62	240.55	-90.37	-2,477.58	-1,828.12	5,897.98	5,560.06	337.92	17.454		
15,400.00	6,961.21	6,940.21	6,940.21	248.45	240.56	-90.38	-2,477.58	-1,828.12	5,990.70	5,653.08	337.62	17.744		
15,500.00	6,961.47	6,940.47	6,940.47	251.28	240.57	-90.39	-2,477.58	-1,828.12	6,083.65	5,746.32	337.33	18.035		
15,600.00	6,961.74	6,940.74	6,940.74	254.11	240.58	-90.39	-2,477.58	-1,828.12	6,176.82	5,839.78	337.04	18.327		
15,700.00	6,962.01	6,941.01	6,941.01	256.94	240.59	-90.40	-2,477.58	-1,828.12	6,270.20	5,933.44	336.76	18.619		
15,800.00	6,962.27	6,941.27	6,941.27	259.77	240.60	-90.41	-2,477.58	-1,828.12	6,363.78	6,027.29	336.49	18.912		
15,900.00	6,962.54	6,941.54	6,941.54	262.61	240.61	-90.41	-2,477.58	-1,828.12	6,457.56	6,121.33	336.23	19.206		
16,000.00	6,962.80	6,941.80	6,941.80	265.44	240.62	-90.42	-2,477.58	-1,828.12	6,551.51	6,215.54	335.97	19.500		
16,100.00	6,963.07	6,942.07	6,942.07	268.28	240.63	-90.43	-2,477.58	-1,828.12	6,645.65	6,309.93	335.72	19.795		
16,200.00	6,963.34	6,942.34	6,942.34	271.11	240.63	-90.44	-2,477.58	-1,828.12	6,739.95	6,404.47	335.48	20.091		
16,300.00	6,963.60	6,942.60	6,942.60	273.95	240.64	-90.44	-2,477.58	-1,828.12	6,834.41	6,499.17	335.24	20.387		
16,400.00	6,963.87	6,942.87	6,942.87	276.78	240.65	-90.45	-2,477.58	-1,828.12	6,929.03	6,594.02	335.01	20.683		
16,500.00	6,964.13	6,943.13	6,943.13	279.62	240.66	-90.46	-2,477.58	-1,828.12	7,023.80	6,689.02	334.79	20.980		
16,600.00	6,964.40	6,943.40	6,943.40	282.46	240.67	-90.46	-2,477.58	-1,828.12	7,118.71	6,784.15	334.57	21.277		
16,700.00	6,964.67	6,943.67	6,943.67	285.29	240.68	-90.47	-2,477.58	-1,828.12	7,213.76	6,879.41	334.36	21.575		
16,800.00	6,964.93	6,943.93	6,943.93	288.13	240.69	-90.48	-2,477.58	-1,828.12	7,308.95	6,974.79	334.15	21.873		
16,900.00	6,965.20	6,944.20	6,944.20	290.97	240.70	-90.48	-2,477.58	-1,828.12	7,404.26	7,070.30	333.95	22.172		
17,000.00	6,965.46	6,944.46	6,944.46	293.81	240.71	-90.49	-2,477.58	-1,828.12	7,499.69	7,165.93	333.76	22.470		
17,100.00	6,965.73	6,944.73	6,944.73	296.65	240.72	-90.50	-2,477.58	-1,828.12	7,595.23	7,261.67	333.57	22.770		
17,200.00	6,966.00	6,945.00	6,945.00	299.49	240.73	-90.50	-2,477.58	-1,828.12	7,690.90	7,357.51	333.39	23.069		
17,300.00	6,966.26	6,945.26	6,945.26	302.32	240.74	-90.51	-2,477.58	-1,828.12	7,786.67	7,453.46	333.21	23.369		
17,400.00	6,966.53	6,945.53	6,945.53	305.16	240.75	-90.52	-2,477.58	-1,828.12	7,882.54	7,549.51	333.03	23.669		
17,500.00	6,966.80	6,945.80	6,945.80	308.00	240.76	-90.52	-2,477.58	-1,828.12	7,978.52	7,645.65	332.87	23.969		
17,600.00	6,967.06	6,946.06	6,946.06	310.85	240.76	-90.53	-2,477.58	-1,828.12	8,074.59	7,741.89	332.70	24.270		
17,700.00	6,967.33	6,946.33	6,946.33	313.69	240.77	-90.54	-2,477.58	-1,828.12	8,170.76	7,838.22	332.54	24.570		
17,800.00	6,967.59	6,946.59	6,946.59	316.53	240.78	-90.55	-2,477.58	-1,828.12	8,267.02	7,934.63	332.39	24.871		
17,900.00	6,967.86	6,946.86	6,946.86	319.37	240.79	-90.55	-2,477.58	-1,828.12	8,363.37	8,031.13	332.24	25.173		
18,000.00	6,968.13	6,947.13	6,947.13	322.21	240.80	-90.56	-2,477.58	-1,828.12	8,459.80	8,127.71	332.10	25.474		
18,100.00	6,968.39	6,947.39	6,947.39	325.05	240.81	-90.57	-2,477.58	-1,828.12	8,556.32	8,224.36	331.95	25.776		
18,200.00	6,968.66	6,947.66	6,947.66	327.90	240.82	-90.57	-2,477.58	-1,828.12	8,652.91	8,321.09	331.82	26.077		
18,300.00	6,968.92	6,947.92	6,947.92	330.74	240.83	-90.58	-2,477.58	-1,828.12	8,749.58	8,417.89	331.69	26.379		
18,400.00	6,969.19	6,948.19	6,948.19	333.58	240.84	-90.59	-2,477.58	-1,828.12	8,846.32	8,514.77	331.56	26.681		
18,500.00	6,969.46	6,948.46	6,948.46	336.43	240.85	-90.59	-2,477.58	-1,828.12	8,943.14	8,611.71	331.43	26.983		
18,600.00	6,969.72	6,948.72	6,948.72	339.27	240.86	-90.60	-2,477.58	-1,828.12	9,040.02	8,708.71	331.31	27.285		
18,704.56	6,970.00	6,949.00	6,949.00	342.24	240.87	-90.61	-2,477.58	-1,828.12	9,141.40	8,810.21	331.19	27.602		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	17.00	17.00	3.28	3.29	-87.09	351.06	-6,912.58	6,921.48					
100.00	100.00	117.00	117.00	3.28	4.03	-87.09	351.06	-6,912.58	6,921.48	6,914.17	7.31	946.432		
200.00	200.00	217.00	217.00	3.34	6.69	-87.09	351.06	-6,912.58	6,921.48	6,911.46	10.03	690.329		
300.00	299.98	316.98	316.98	3.44	9.88	172.90	351.06	-6,912.58	6,923.22	6,909.89	13.32	519.647		
400.00	399.84	416.84	416.84	3.60	13.22	172.90	351.06	-6,912.58	6,928.41	6,911.59	16.82	411.953		
500.00	499.45	516.45	516.45	3.80	16.61	172.88	351.06	-6,912.58	6,937.06	6,916.64	20.41	339.821		
600.00	598.70	615.70	615.70	4.05	20.02	172.87	351.06	-6,912.58	6,949.15	6,925.08	24.07	288.734		
700.00	697.47	714.47	714.47	4.33	23.43	172.84	351.06	-6,912.58	6,964.68	6,936.92	27.76	250.917		
803.50	799.05	816.05	816.05	4.67	26.94	172.81	351.06	-6,912.58	6,984.34	6,952.74	31.60	221.054		
900.00	893.41	910.41	910.41	5.02	30.22	172.83	351.06	-6,912.58	7,004.36	6,969.17	35.19	199.052		
1,000.00	991.20	1,008.20	1,008.20	5.41	33.61	172.86	351.06	-6,912.58	7,025.12	6,986.19	38.93	180.452		
1,100.00	1,088.99	1,105.99	1,105.99	5.81	37.01	172.88	351.06	-6,912.58	7,045.87	7,003.18	42.69	165.033		
1,200.00	1,186.78	1,203.78	1,203.78	6.23	40.41	172.90	351.06	-6,912.58	7,066.63	7,020.16	46.47	152.058		
1,300.00	1,284.57	1,301.57	1,301.57	6.67	43.82	172.92	351.06	-6,912.58	7,087.39	7,037.12	50.27	140.997		
1,400.00	1,382.36	1,400.64	1,399.36	7.12	47.26	172.94	351.06	-6,912.58	7,108.15	7,054.03	54.12	131.352		
1,500.00	1,480.15	1,502.85	1,497.15	7.57	50.83	172.96	351.06	-6,912.58	7,128.91	7,070.82	58.08	122.736		
1,600.00	1,577.94	1,605.06	1,594.94	8.03	54.39	172.98	351.06	-6,912.58	7,149.67	7,087.61	62.06	115.208		
1,700.00	1,675.73	1,707.27	1,692.73	8.50	57.95	173.00	351.06	-6,912.58	7,170.43	7,104.39	66.04	108.575		
1,800.00	1,773.52	1,809.48	1,790.52	8.98	61.51	173.02	351.06	-6,912.58	7,191.19	7,121.16	70.03	102.689		
1,900.00	1,871.31	1,888.31	1,888.31	9.45	64.26	173.04	351.06	-6,912.58	7,211.95	7,138.75	73.21	98.516		
2,000.00	1,969.10	1,986.10	1,986.10	9.94	67.67	173.06	351.06	-6,912.58	7,232.72	7,155.67	77.05	93.872		
2,100.00	2,066.88	2,083.88	2,083.88	10.42	71.08	173.08	351.06	-6,912.58	7,253.48	7,172.59	80.89	89.666		
2,200.00	2,164.67	2,181.67	2,181.67	10.91	74.49	173.10	351.06	-6,912.58	7,274.25	7,189.50	84.74	85.839		
2,300.00	2,262.46	2,279.46	2,279.46	11.40	77.90	173.12	351.06	-6,912.58	7,295.01	7,206.42	88.60	82.341		
2,400.00	2,360.25	2,377.25	2,377.25	11.89	81.31	173.14	351.06	-6,912.58	7,315.78	7,223.33	92.45	79.133		
2,500.00	2,458.04	2,475.04	2,475.04	12.39	84.72	173.16	351.06	-6,912.58	7,336.55	7,240.24	96.31	76.180		
2,600.00	2,555.83	2,572.83	2,572.83	12.88	88.13	173.18	351.06	-6,912.58	7,357.32	7,257.15	100.16	73.453		
2,700.00	2,653.62	2,670.62	2,670.62	13.38	91.54	173.20	351.06	-6,912.58	7,378.09	7,274.06	104.02	70.927		
2,800.00	2,751.41	2,768.41	2,768.41	13.88	94.96	173.22	351.06	-6,912.58	7,398.86	7,290.97	107.88	68.581		
2,900.00	2,849.20	2,866.20	2,866.20	14.38	98.37	173.24	351.06	-6,912.58	7,419.63	7,307.88	111.75	66.397		
3,000.00	2,946.99	2,963.99	2,963.99	14.88	101.78	173.26	351.06	-6,912.58	7,440.40	7,324.79	115.61	64.357		
3,100.00	3,044.78	3,061.78	3,061.78	15.38	105.19	173.28	351.06	-6,912.58	7,461.17	7,341.70	119.48	62.449		
3,200.00	3,142.57	3,159.57	3,159.57	15.89	108.60	173.29	351.06	-6,912.58	7,481.95	7,358.60	123.34	60.660		
3,300.00	3,240.36	3,257.36	3,257.36	16.39	112.02	173.31	351.06	-6,912.58	7,502.72	7,375.51	127.21	58.980		
3,400.00	3,338.15	3,355.15	3,355.15	16.89	115.43	173.33	351.06	-6,912.58	7,523.49	7,392.42	131.08	57.398		
3,500.00	3,435.93	3,452.93	3,452.93	17.40	118.84	173.35	351.06	-6,912.58	7,544.27	7,409.33	134.94	55.907		
3,600.00	3,533.72	3,550.72	3,550.72	17.90	122.25	173.37	351.06	-6,912.58	7,565.05	7,426.23	138.81	54.498		
3,700.00	3,631.51	3,648.51	3,648.51	18.41	125.67	173.39	351.06	-6,912.58	7,585.82	7,443.14	142.68	53.166		
3,800.00	3,729.30	3,746.30	3,746.30	18.92	129.08	173.40	351.06	-6,912.58	7,606.60	7,460.05	146.55	51.903		
3,900.00	3,827.09	3,844.09	3,844.09	19.42	132.49	173.42	351.06	-6,912.58	7,627.38	7,476.96	150.42	50.706		
4,000.00	3,924.88	3,941.88	3,941.88	19.93	135.91	173.44	351.06	-6,912.58	7,648.16	7,493.86	154.30	49.568		
4,100.00	4,022.67	4,039.67	4,039.67	20.44	139.32	173.46	351.06	-6,912.58	7,668.94	7,510.77	158.17	48.486		
4,200.00	4,120.46	4,137.46	4,137.46	20.95	142.73	173.48	351.06	-6,912.58	7,689.72	7,527.68	162.04	47.456		
4,300.00	4,218.25	4,235.25	4,235.25	21.46	146.14	173.49	351.06	-6,912.58	7,710.50	7,544.59	165.91	46.474		
4,400.00	4,316.04	4,333.04	4,333.04	21.97	149.56	173.51	351.06	-6,912.58	7,731.28	7,561.50	169.78	45.536		
4,500.00	4,413.83	4,430.83	4,430.83	22.48	152.97	173.53	351.06	-6,912.58	7,752.07	7,578.41	173.66	44.640		
4,600.00	4,511.62	4,528.62	4,528.62	22.99	156.38	173.55	351.06	-6,912.58	7,772.85	7,595.32	177.53	43.783		
4,700.00	4,609.41	4,626.41	4,626.41	23.50	159.80	173.56	351.06	-6,912.58	7,793.63	7,612.23	181.41	42.963		
4,800.00	4,707.20	4,724.20	4,724.20	24.01	163.21	173.58	351.06	-6,912.58	7,814.42	7,629.14	185.28	42.176		
4,900.00	4,804.98	4,821.98	4,821.98	24.52	166.62	173.60	351.06	-6,912.58	7,835.20	7,646.05	189.15	41.422		
5,000.00	4,902.77	4,919.77	4,919.77	25.03	170.04	173.61	351.06	-6,912.58	7,855.99	7,662.96	193.03	40.699		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,017.56	5,017.56	25.54	173.45	173.63	351.06	-6,912.58	7,876.78	7,679.87	196.90	40.003			
5,200.00	5,098.35	5,115.35	5,115.35	26.05	176.86	173.65	351.06	-6,912.58	7,897.57	7,696.79	200.78	39.335			
5,300.00	5,196.14	5,213.14	5,213.14	26.56	180.28	173.67	351.06	-6,912.58	7,918.35	7,713.70	204.65	38.691			
5,400.00	5,293.93	5,310.93	5,310.93	27.07	183.69	173.68	351.06	-6,912.58	7,939.14	7,730.61	208.53	38.072			
5,500.00	5,391.72	5,408.72	5,408.72	27.58	187.10	173.70	351.06	-6,912.58	7,959.93	7,747.53	212.41	37.475			
5,600.00	5,489.51	5,506.51	5,506.51	28.09	190.52	173.71	351.06	-6,912.58	7,980.72	7,764.44	216.28	36.900			
5,700.00	5,587.30	5,604.30	5,604.30	28.61	193.93	173.73	351.06	-6,912.58	8,001.51	7,781.35	220.16	36.344			
5,800.00	5,685.09	5,702.09	5,702.09	29.12	197.34	173.75	351.06	-6,912.58	8,022.30	7,798.27	224.03	35.808			
5,900.00	5,782.88	5,800.12	5,799.88	29.63	200.76	173.76	351.06	-6,912.58	8,043.10	7,815.18	227.92	35.289			
6,000.00	5,880.67	5,902.33	5,897.67	30.14	204.33	173.78	351.06	-6,912.58	8,063.89	7,831.94	231.95	34.766			
6,100.00	5,978.46	6,004.54	5,995.46	30.65	207.90	173.80	351.06	-6,912.58	8,084.68	7,848.70	235.98	34.260			
6,200.00	6,076.25	6,106.76	6,093.25	31.17	211.47	173.81	351.06	-6,912.58	8,105.48	7,865.46	240.01	33.771			
6,298.86	6,172.92	6,189.92	6,189.92	31.67	214.37	173.83	351.06	-6,912.58	8,126.03	7,882.66	243.37	33.389			
6,300.00	6,174.03	6,208.97	6,191.03	31.68	215.03	173.74	351.06	-6,912.58	8,126.27	7,882.22	244.04	33.298			
6,350.00	6,223.30	6,240.30	6,240.30	31.92	216.13	167.55	351.06	-6,912.58	8,134.65	7,889.29	245.36	33.153			
6,400.00	6,273.06	6,309.94	6,290.06	32.13	218.56	146.12	351.06	-6,912.58	8,139.16	7,891.15	248.01	32.818			
6,450.00	6,323.01	6,340.01	6,340.01	32.32	219.61	55.72	351.06	-6,912.58	8,139.75	7,890.50	249.25	32.657			
6,500.00	6,372.84	6,389.84	6,389.84	32.48	221.35	23.50	351.06	-6,912.58	8,136.43	7,885.27	251.16	32.396			
6,550.00	6,422.24	6,439.24	6,439.24	32.65	223.07	15.82	351.06	-6,912.58	8,129.22	7,876.19	253.03	32.127			
6,600.00	6,470.92	6,487.92	6,487.92	32.83	224.77	12.62	351.06	-6,912.58	8,118.17	7,863.30	254.87	31.853			
6,650.00	6,518.56	6,535.56	6,535.56	33.01	226.44	10.94	351.06	-6,912.58	8,103.33	7,846.69	256.64	31.574			
6,700.00	6,564.89	6,581.89	6,581.89	33.21	228.05	9.98	351.06	-6,912.58	8,084.81	7,826.45	258.36	31.293			
6,750.00	6,609.60	6,626.60	6,626.60	33.43	229.61	9.42	351.06	-6,912.58	8,062.71	7,802.71	260.00	31.010			
6,800.00	6,652.43	6,669.43	6,669.43	33.66	231.11	9.14	351.06	-6,912.58	8,037.18	7,775.62	261.56	30.728			
6,850.00	6,693.10	6,710.10	6,710.10	33.91	232.53	9.05	351.06	-6,912.58	8,008.37	7,745.34	263.03	30.447			
6,900.00	6,731.38	6,748.38	6,748.38	34.20	233.86	9.14	351.06	-6,912.58	7,976.46	7,712.06	264.40	30.168			
6,950.00	6,767.02	6,784.02	6,784.02	34.51	235.11	9.41	351.06	-6,912.58	7,941.65	7,675.98	265.66	29.894			
7,000.00	6,799.81	6,816.81	6,816.81	34.85	236.25	9.86	351.06	-6,912.58	7,904.14	7,637.33	266.82	29.624			
7,050.00	6,829.54	6,846.54	6,846.54	35.24	237.29	10.53	351.06	-6,912.58	7,864.18	7,596.33	267.85	29.360			
7,100.00	6,856.03	6,873.03	6,873.03	35.66	238.21	11.50	351.06	-6,912.58	7,822.01	7,553.24	268.77	29.103			
7,150.00	6,879.11	6,903.89	6,896.11	36.12	239.29	12.90	351.06	-6,912.58	7,777.89	7,508.05	269.84	28.824			
7,200.00	6,898.65	6,915.65	6,915.65	36.62	239.70	14.97	351.06	-6,912.58	7,732.09	7,461.86	270.23	28.613			
7,250.00	6,914.51	6,931.51	6,931.51	37.15	240.26	18.19	351.06	-6,912.58	7,684.90	7,414.12	270.77	28.381			
7,300.00	6,926.62	6,943.62	6,943.62	37.73	240.68	23.67	351.06	-6,912.58	7,636.59	7,365.42	271.18	28.161			
7,350.00	6,934.88	6,951.88	6,951.88	38.34	240.97	34.47	351.06	-6,912.58	7,587.49	7,316.03	271.46	27.951			
7,400.00	6,939.26	6,956.26	6,956.26	38.97	241.12	60.19	351.06	-6,912.58	7,537.87	7,266.27	271.61	27.753			
7,429.12	6,940.00	6,957.00	6,957.00	39.34	241.15	88.16	351.06	-6,912.58	7,508.86	7,237.23	271.63	27.643			
7,500.00	6,940.19	6,957.19	6,957.19	40.31	241.15	88.18	351.06	-6,912.58	7,438.23	7,166.59	271.64	27.382			
7,600.00	6,940.46	6,957.46	6,957.46	41.80	241.16	88.21	351.06	-6,912.58	7,338.59	7,066.92	271.66	27.013			
7,700.00	6,940.72	6,957.72	6,957.72	43.43	241.17	88.23	351.06	-6,912.58	7,238.95	6,967.26	271.69	26.644			
7,800.00	6,940.99	6,957.99	6,957.99	45.19	241.18	88.25	351.06	-6,912.58	7,139.32	6,867.61	271.72	26.275			
7,900.00	6,941.25	6,958.25	6,958.25	47.05	241.19	88.28	351.06	-6,912.58	7,039.71	6,767.96	271.75	25.905			
8,000.00	6,941.52	6,958.52	6,958.52	49.02	241.20	88.30	351.06	-6,912.58	6,940.10	6,668.32	271.79	25.535			
8,100.00	6,941.79	6,958.79	6,958.79	51.06	241.21	88.33	351.06	-6,912.58	6,840.51	6,568.68	271.83	25.165			
8,200.00	6,942.05	6,959.05	6,959.05	53.18	241.22	88.35	351.06	-6,912.58	6,740.93	6,469.06	271.87	24.794			
8,300.00	6,942.32	6,959.32	6,959.32	55.37	241.23	88.38	351.06	-6,912.58	6,641.36	6,369.44	271.93	24.423			
8,400.00	6,942.58	6,959.58	6,959.58	57.62	241.24	88.40	351.06	-6,912.58	6,541.81	6,269.82	271.98	24.052			
8,500.00	6,942.85	6,959.85	6,959.85	59.92	241.25	88.43	351.06	-6,912.58	6,442.27	6,170.22	272.05	23.681			
8,600.00	6,943.12	6,960.12	6,960.12	62.26	241.25	88.45	351.06	-6,912.58	6,342.74	6,070.62	272.12	23.309			
8,700.00	6,943.38	6,960.38	6,960.38	64.65	241.26	88.48	351.06	-6,912.58	6,243.23	5,971.03	272.20	22.937			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,960.65	6,960.65	67.08	241.27	88.50	351.06	-6,912.58	6,143.73	5,871.45	272.28	22.564		
8,900.00	6,943.91	6,960.91	6,960.91	69.53	241.28	88.52	351.06	-6,912.58	6,044.25	5,771.88	272.37	22.191		
9,000.00	6,944.18	6,961.18	6,961.18	72.02	241.29	88.55	351.06	-6,912.58	5,944.79	5,672.32	272.47	21.818		
9,100.00	6,944.45	6,961.45	6,961.45	74.54	241.30	88.57	351.06	-6,912.58	5,845.35	5,572.77	272.58	21.444		
9,200.00	6,944.71	6,961.71	6,961.71	77.07	241.31	88.60	351.06	-6,912.58	5,745.93	5,473.22	272.70	21.070		
9,300.00	6,944.98	6,961.98	6,961.98	79.63	241.32	88.62	351.06	-6,912.58	5,646.52	5,373.69	272.83	20.696		
9,400.00	6,945.24	6,962.24	6,962.24	82.21	241.33	88.65	351.06	-6,912.58	5,547.14	5,274.17	272.97	20.321		
9,500.00	6,945.51	6,962.51	6,962.51	84.81	241.34	88.67	351.06	-6,912.58	5,447.78	5,174.66	273.12	19.946		
9,600.00	6,945.78	6,962.78	6,962.78	87.43	241.35	88.70	351.06	-6,912.58	5,348.44	5,075.16	273.29	19.571		
9,700.00	6,946.04	6,963.04	6,963.04	90.05	241.36	88.72	351.06	-6,912.58	5,249.13	4,975.67	273.47	19.195		
9,800.00	6,946.31	6,963.31	6,963.31	92.70	241.37	88.75	351.06	-6,912.58	5,149.85	4,876.19	273.66	18.819		
9,900.00	6,946.57	6,963.57	6,963.57	95.35	241.38	88.77	351.06	-6,912.58	5,050.60	4,776.73	273.87	18.442		
10,000.00	6,946.84	6,963.84	6,963.84	98.02	241.38	88.79	351.06	-6,912.58	4,951.37	4,677.28	274.09	18.065		
10,100.00	6,947.11	6,964.11	6,964.11	100.70	241.39	88.82	351.06	-6,912.58	4,852.18	4,577.84	274.33	17.687		
10,200.00	6,947.37	6,964.37	6,964.37	103.38	241.40	88.84	351.06	-6,912.58	4,753.02	4,478.42	274.60	17.309		
10,300.00	6,947.64	6,964.64	6,964.64	106.08	241.41	88.87	351.06	-6,912.58	4,653.89	4,379.01	274.88	16.931		
10,400.00	6,947.90	6,964.90	6,964.90	108.78	241.42	88.89	351.06	-6,912.58	4,554.81	4,279.62	275.19	16.552		
10,500.00	6,948.17	6,965.17	6,965.17	111.49	241.43	88.92	351.06	-6,912.58	4,455.76	4,180.24	275.52	16.172		
10,600.00	6,948.44	6,965.44	6,965.44	114.21	241.44	88.94	351.06	-6,912.58	4,356.76	4,080.88	275.88	15.792		
10,700.00	6,948.70	6,965.70	6,965.70	116.94	241.45	88.97	351.06	-6,912.58	4,257.81	3,981.54	276.26	15.412		
10,800.00	6,948.97	6,965.97	6,965.97	119.67	241.46	88.99	351.06	-6,912.58	4,158.90	3,882.22	276.68	15.031		
10,900.00	6,949.24	6,966.24	6,966.24	122.41	241.47	89.02	351.06	-6,912.58	4,060.05	3,782.91	277.13	14.650		
11,000.00	6,949.50	6,966.50	6,966.50	125.15	241.48	89.04	351.06	-6,912.58	3,961.26	3,683.63	277.63	14.268		
11,100.00	6,949.77	6,966.77	6,966.77	127.90	241.49	89.06	351.06	-6,912.58	3,862.53	3,584.37	278.16	13.886		
11,200.00	6,950.03	6,967.03	6,967.03	130.65	241.50	89.09	351.06	-6,912.58	3,763.86	3,485.13	278.73	13.504		
11,300.00	6,950.30	6,967.30	6,967.30	133.41	241.51	89.11	351.06	-6,912.58	3,665.27	3,385.91	279.35	13.121		
11,400.00	6,950.57	6,967.57	6,967.57	136.17	241.51	89.14	351.06	-6,912.58	3,566.76	3,286.72	280.03	12.737		
11,500.00	6,950.83	6,967.83	6,967.83	138.94	241.52	89.16	351.06	-6,912.58	3,468.33	3,187.56	280.76	12.353		
11,600.00	6,951.10	6,968.10	6,968.10	141.71	241.53	89.19	351.06	-6,912.58	3,369.99	3,088.43	281.56	11.969		
11,700.00	6,951.36	6,968.36	6,968.36	144.48	241.54	89.21	351.06	-6,912.58	3,271.76	2,989.33	282.43	11.584		
11,800.00	6,951.63	6,968.63	6,968.63	147.26	241.55	89.24	351.06	-6,912.58	3,173.63	2,890.26	283.37	11.200		
11,900.00	6,951.90	6,968.90	6,968.90	150.03	241.56	89.26	351.06	-6,912.58	3,075.63	2,791.23	284.40	10.814		
12,000.00	6,952.16	6,969.16	6,969.16	152.82	241.57	89.29	351.06	-6,912.58	2,977.76	2,692.23	285.52	10.429		
12,100.00	6,952.43	6,969.43	6,969.43	155.60	241.58	89.31	351.06	-6,912.58	2,880.03	2,593.29	286.74	10.044		
12,200.00	6,952.69	6,969.69	6,969.69	158.39	241.59	89.33	351.06	-6,912.58	2,782.47	2,494.39	288.08	9.659		
12,300.00	6,952.96	6,969.96	6,969.96	161.18	241.60	89.36	351.06	-6,912.58	2,685.08	2,395.54	289.54	9.273		
12,400.00	6,953.23	6,970.23	6,970.23	163.97	241.61	89.38	351.06	-6,912.58	2,587.90	2,296.75	291.15	8.889		
12,500.00	6,953.49	6,970.49	6,970.49	166.77	241.62	89.41	351.06	-6,912.58	2,490.94	2,198.03	292.91	8.504		
12,600.00	6,953.76	6,970.76	6,970.76	169.56	241.63	89.43	351.06	-6,912.58	2,394.22	2,099.38	294.84	8.120		
12,700.00	6,954.02	6,971.02	6,971.02	172.36	241.64	89.46	351.06	-6,912.58	2,297.79	2,000.82	296.97	7.737		
12,800.00	6,954.29	6,971.29	6,971.29	175.16	241.64	89.48	351.06	-6,912.58	2,201.68	1,902.35	299.33	7.355		
12,900.00	6,954.56	6,971.56	6,971.56	177.97	241.65	89.51	351.06	-6,912.58	2,105.93	1,804.00	301.93	6.975		
13,000.00	6,954.82	6,971.82	6,971.82	180.77	241.66	89.53	351.06	-6,912.58	2,010.59	1,705.78	304.81	6.596		
13,100.00	6,955.09	6,972.09	6,972.09	183.58	241.67	89.56	351.06	-6,912.58	1,915.73	1,607.72	308.01	6.220		
13,200.00	6,955.35	6,972.35	6,972.35	186.38	241.68	89.58	351.06	-6,912.58	1,821.42	1,509.84	311.58	5.846		
13,300.00	6,955.62	6,972.62	6,972.62	189.19	241.69	89.60	351.06	-6,912.58	1,727.75	1,412.18	315.57	5.475		
13,400.00	6,955.89	6,972.89	6,972.89	192.00	241.70	89.63	351.06	-6,912.58	1,634.83	1,314.80	320.03	5.108		
13,500.00	6,956.15	6,973.15	6,973.15	194.82	241.71	89.65	351.06	-6,912.58	1,542.79	1,217.74	325.05	4.746		
13,600.00	6,956.42	6,973.42	6,973.42	197.63	241.72	89.68	351.06	-6,912.58	1,451.81	1,121.11	330.71	4.390		
13,700.00	6,956.68	6,973.68	6,973.68	200.44	241.73	89.70	351.06	-6,912.58	1,362.09	1,025.00	337.10	4.041		
13,800.00	6,956.95	6,973.95	6,973.95	203.26	241.74	89.73	351.06	-6,912.58	1,273.91	929.57	344.34	3.700		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,900.00	6,957.22	6,974.22	6,974.22	206.08	241.75	89.75	351.06	-6,912.58	1,187.60	835.03	352.57	3.368		
14,000.00	6,957.48	6,974.48	6,974.48	208.89	241.76	89.78	351.06	-6,912.58	1,103.60	741.69	361.91	3.049		
14,100.00	6,957.75	6,974.75	6,974.75	211.71	241.77	89.80	351.06	-6,912.58	1,022.49	649.97	372.51	2.745		
14,200.00	6,958.02	6,975.02	6,975.02	214.53	241.78	89.83	351.06	-6,912.58	945.00	560.51	384.49	2.458		
14,300.00	6,958.28	6,975.28	6,975.28	217.36	241.78	89.85	351.06	-6,912.58	872.10	474.23	397.88	2.192		
14,400.00	6,958.55	6,975.55	6,975.55	220.18	241.79	89.87	351.06	-6,912.58	805.05	392.49	412.57	1.951		
14,500.00	6,958.81	6,975.81	6,975.81	223.00	241.80	89.90	351.06	-6,912.58	745.42	317.25	428.17	1.741		
14,600.00	6,959.08	6,976.08	6,976.08	225.83	241.81	89.92	351.06	-6,912.58	695.12	251.27	443.85	1.566		
14,700.00	6,959.35	6,976.35	6,976.35	228.65	241.82	89.95	351.06	-6,912.58	656.31	198.05	458.26	1.432 Level 3		
14,800.00	6,959.61	6,976.61	6,976.61	231.48	241.83	89.97	351.06	-6,912.58	631.10	161.51	469.59	1.344 Level 3		
14,900.00	6,959.88	6,976.88	6,976.88	234.30	241.84	90.00	351.06	-6,912.58	621.15	145.06	476.09	1.305 Level 3		
14,912.29	6,959.91	6,976.91	6,976.91	234.65	241.84	90.00	351.06	-6,912.58	621.03	144.54	476.49	1.303 Level 3, CC, ES, SF		
15,000.00	6,960.14	6,977.14	6,977.14	237.13	241.85	90.02	351.06	-6,912.58	627.19	150.41	476.78	1.315 Level 3		
15,100.00	6,960.41	6,977.41	6,977.41	239.96	241.86	90.05	351.06	-6,912.58	648.78	176.85	471.93	1.375 Level 3		
15,200.00	6,960.68	6,977.68	6,977.68	242.79	241.87	90.07	351.06	-6,912.58	684.44	221.57	462.86	1.479 Level 3		
15,300.00	6,960.94	6,977.94	6,977.94	245.62	241.88	90.10	351.06	-6,912.58	732.12	280.82	451.30	1.622		
15,400.00	6,961.21	6,978.21	6,978.21	248.45	241.89	90.12	351.06	-6,912.58	789.64	350.89	438.75	1.800		
15,500.00	6,961.47	6,978.47	6,978.47	251.28	241.90	90.14	351.06	-6,912.58	855.03	428.75	426.28	2.006		
15,600.00	6,961.74	6,978.74	6,978.74	254.11	241.91	90.17	351.06	-6,912.58	926.62	512.12	414.50	2.236		
15,700.00	6,962.01	6,979.01	6,979.01	256.94	241.91	90.19	351.06	-6,912.58	1,003.08	599.40	403.68	2.485		
15,800.00	6,962.27	6,979.27	6,979.27	259.77	241.92	90.22	351.06	-6,912.58	1,083.38	689.46	393.91	2.750		
15,900.00	6,962.54	6,979.54	6,979.54	262.61	241.93	90.24	351.06	-6,912.58	1,166.72	781.55	385.17	3.029		
16,000.00	6,962.80	6,979.80	6,979.80	265.44	241.94	90.27	351.06	-6,912.58	1,252.51	875.13	377.38	3.319		
16,100.00	6,963.07	6,980.07	6,980.07	268.28	241.95	90.29	351.06	-6,912.58	1,340.27	969.82	370.45	3.618		
16,200.00	6,963.34	6,980.34	6,980.34	271.11	241.96	90.32	351.06	-6,912.58	1,429.64	1,065.37	364.27	3.925		
16,300.00	6,963.60	6,980.60	6,980.60	273.95	241.97	90.34	351.06	-6,912.58	1,520.33	1,161.58	358.75	4.238		
16,400.00	6,963.87	6,980.87	6,980.87	276.78	241.98	90.37	351.06	-6,912.58	1,612.13	1,258.31	353.82	4.556		
16,500.00	6,964.13	6,981.13	6,981.13	279.62	241.99	90.39	351.06	-6,912.58	1,704.84	1,355.46	349.39	4.880		
16,600.00	6,964.40	6,981.40	6,981.40	282.46	242.00	90.41	351.06	-6,912.58	1,798.34	1,452.94	345.40	5.207		
16,700.00	6,964.67	6,981.67	6,981.67	285.29	242.01	90.44	351.06	-6,912.58	1,892.50	1,550.71	341.80	5.537		
16,800.00	6,964.93	6,981.93	6,981.93	288.13	242.02	90.46	351.06	-6,912.58	1,987.24	1,648.70	338.54	5.870		
16,900.00	6,965.20	6,982.20	6,982.20	290.97	242.03	90.49	351.06	-6,912.58	2,082.46	1,746.89	335.57	6.206		
17,000.00	6,965.46	6,982.46	6,982.46	293.81	242.04	90.51	351.06	-6,912.58	2,178.12	1,845.24	332.87	6.543		
17,100.00	6,965.73	6,982.73	6,982.73	296.65	242.04	90.54	351.06	-6,912.58	2,274.14	1,943.73	330.41	6.883		
17,200.00	6,966.00	6,983.00	6,983.00	299.49	242.05	90.56	351.06	-6,912.58	2,370.50	2,042.35	328.15	7.224		
17,300.00	6,966.26	6,983.26	6,983.26	302.32	242.06	90.59	351.06	-6,912.58	2,467.15	2,141.06	326.08	7.566		
17,400.00	6,966.53	6,983.53	6,983.53	305.16	242.07	90.61	351.06	-6,912.58	2,564.05	2,239.87	324.18	7.909		
17,500.00	6,966.80	6,983.80	6,983.80	308.00	242.08	90.64	351.06	-6,912.58	2,661.18	2,338.76	322.42	8.254		
17,600.00	6,967.06	6,984.06	6,984.06	310.85	242.09	90.66	351.06	-6,912.58	2,758.52	2,437.72	320.80	8.599		
17,700.00	6,967.33	6,984.33	6,984.33	313.69	242.10	90.68	351.06	-6,912.58	2,856.04	2,536.74	319.30	8.945		
17,800.00	6,967.59	6,984.59	6,984.59	316.53	242.11	90.71	351.06	-6,912.58	2,953.73	2,635.82	317.90	9.291		
17,900.00	6,967.86	6,984.86	6,984.86	319.37	242.12	90.73	351.06	-6,912.58	3,051.56	2,734.95	316.61	9.638		
18,000.00	6,968.13	6,985.13	6,985.13	322.21	242.13	90.76	351.06	-6,912.58	3,149.54	2,834.13	315.41	9.986		
18,100.00	6,968.39	6,985.39	6,985.39	325.05	242.14	90.78	351.06	-6,912.58	3,247.63	2,933.34	314.29	10.333		
18,200.00	6,968.66	6,985.66	6,985.66	327.90	242.15	90.81	351.06	-6,912.58	3,345.84	3,032.60	313.25	10.681		
18,300.00	6,968.92	6,985.92	6,985.92	330.74	242.16	90.83	351.06	-6,912.58	3,444.15	3,131.88	312.27	11.029		
18,400.00	6,969.19	6,986.19	6,986.19	333.58	242.17	90.86	351.06	-6,912.58	3,542.56	3,231.20	311.36	11.378		
18,500.00	6,969.46	6,986.46	6,986.46	336.43	242.17	90.88	351.06	-6,912.58	3,641.05	3,330.55	310.51	11.726		
18,600.00	6,969.72	6,986.72	6,986.72	339.27	242.18	90.91	351.06	-6,912.58	3,739.63	3,429.92	309.71	12.075		
18,704.56	6,970.00	6,987.00	6,987.00	342.24	242.19	90.93	351.06	-6,912.58	3,842.77	3,533.85	308.92	12.439		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-100.48	-1,344.68	-7,270.15	7,393.46					
100.00	100.00	104.00	104.00	3.28	3.78	-100.48	-1,344.68	-7,270.15	7,393.46	7,386.39	7.07	1,046.071		
200.00	200.00	204.00	204.00	3.34	6.30	-100.48	-1,344.68	-7,270.15	7,393.46	7,383.82	9.63	767.374		
300.00	299.98	303.98	303.98	3.44	9.45	159.51	-1,344.68	-7,270.15	7,395.09	7,382.20	12.90	573.442		
400.00	399.84	403.84	403.84	3.60	12.78	159.49	-1,344.68	-7,270.15	7,400.00	7,383.62	16.38	451.795		
500.00	499.45	503.45	503.45	3.80	16.17	159.46	-1,344.68	-7,270.15	7,408.16	7,388.19	19.97	370.982		
600.00	598.70	602.70	602.70	4.05	19.57	159.41	-1,344.68	-7,270.15	7,419.58	7,395.96	23.62	314.114		
700.00	697.47	701.47	701.47	4.33	22.98	159.35	-1,344.68	-7,270.15	7,434.25	7,406.94	27.31	272.218		
803.50	799.05	803.05	803.05	4.67	26.49	159.27	-1,344.68	-7,270.15	7,452.82	7,421.67	31.15	239.251		
900.00	893.41	902.59	897.41	5.02	29.94	159.33	-1,344.68	-7,270.15	7,471.75	7,436.82	34.93	213.924		
1,000.00	991.20	1,004.80	995.20	5.41	33.49	159.38	-1,344.68	-7,270.15	7,491.37	7,452.54	38.83	192.934		
1,100.00	1,088.99	1,107.01	1,092.99	5.81	37.05	159.44	-1,344.68	-7,270.15	7,511.00	7,468.25	42.75	175.689		
1,200.00	1,186.78	1,209.22	1,190.78	6.23	40.60	159.49	-1,344.68	-7,270.15	7,530.63	7,483.94	46.69	161.283		
1,300.00	1,284.57	1,288.57	1,288.57	6.67	43.36	159.55	-1,344.68	-7,270.15	7,550.27	7,500.42	49.85	151.459		
1,400.00	1,382.36	1,386.36	1,386.36	7.12	46.77	159.60	-1,344.68	-7,270.15	7,569.92	7,516.26	53.66	141.067		
1,500.00	1,480.15	1,484.15	1,484.15	7.57	50.17	159.66	-1,344.68	-7,270.15	7,589.58	7,532.10	57.48	132.033		
1,600.00	1,577.94	1,581.94	1,581.94	8.03	53.58	159.71	-1,344.68	-7,270.15	7,609.24	7,547.93	61.31	124.109		
1,700.00	1,675.73	1,679.73	1,679.73	8.50	56.99	159.77	-1,344.68	-7,270.15	7,628.91	7,563.76	65.15	117.105		
1,800.00	1,773.52	1,777.52	1,777.52	8.98	60.40	159.82	-1,344.68	-7,270.15	7,648.58	7,579.60	68.99	110.870		
1,900.00	1,871.31	1,875.31	1,875.31	9.45	63.81	159.88	-1,344.68	-7,270.15	7,668.27	7,595.43	72.83	105.287		
2,000.00	1,969.10	1,973.10	1,973.10	9.94	67.22	159.93	-1,344.68	-7,270.15	7,687.95	7,611.27	76.68	100.258		
2,100.00	2,066.88	2,070.88	2,070.88	10.42	70.63	159.98	-1,344.68	-7,270.15	7,707.65	7,627.11	80.53	95.706		
2,200.00	2,164.67	2,168.67	2,168.67	10.91	74.04	160.04	-1,344.68	-7,270.15	7,727.35	7,642.96	84.39	91.566		
2,300.00	2,262.46	2,266.46	2,266.46	11.40	77.45	160.09	-1,344.68	-7,270.15	7,747.06	7,658.81	88.25	87.786		
2,400.00	2,360.25	2,364.25	2,364.25	11.89	80.86	160.14	-1,344.68	-7,270.15	7,766.77	7,674.66	92.11	84.320		
2,500.00	2,458.04	2,462.04	2,462.04	12.39	84.27	160.19	-1,344.68	-7,270.15	7,786.49	7,690.52	95.97	81.132		
2,600.00	2,555.83	2,559.83	2,559.83	12.88	87.68	160.24	-1,344.68	-7,270.15	7,806.22	7,706.38	99.84	78.189		
2,700.00	2,653.62	2,657.62	2,657.62	13.38	91.09	160.30	-1,344.68	-7,270.15	7,825.95	7,722.24	103.70	75.464		
2,800.00	2,751.41	2,755.41	2,755.41	13.88	94.50	160.35	-1,344.68	-7,270.15	7,845.69	7,738.12	107.57	72.934		
2,900.00	2,849.20	2,853.20	2,853.20	14.38	97.91	160.40	-1,344.68	-7,270.15	7,865.43	7,753.99	111.44	70.579		
3,000.00	2,946.99	2,950.99	2,950.99	14.88	101.33	160.45	-1,344.68	-7,270.15	7,885.18	7,769.87	115.31	68.381		
3,100.00	3,044.78	3,048.78	3,048.78	15.38	104.74	160.50	-1,344.68	-7,270.15	7,904.94	7,785.76	119.18	66.326		
3,200.00	3,142.57	3,146.57	3,146.57	15.89	108.15	160.55	-1,344.68	-7,270.15	7,924.70	7,801.65	123.06	64.399		
3,300.00	3,240.36	3,244.36	3,244.36	16.39	111.56	160.60	-1,344.68	-7,270.15	7,944.47	7,817.54	126.93	62.590		
3,400.00	3,338.15	3,342.15	3,342.15	16.89	114.98	160.65	-1,344.68	-7,270.15	7,964.24	7,833.44	130.80	60.887		
3,500.00	3,435.93	3,439.93	3,439.93	17.40	118.39	160.70	-1,344.68	-7,270.15	7,984.02	7,849.35	134.68	59.282		
3,600.00	3,533.72	3,537.72	3,537.72	17.90	121.80	160.75	-1,344.68	-7,270.15	8,003.81	7,865.26	138.55	57.767		
3,700.00	3,631.51	3,635.51	3,635.51	18.41	125.21	160.80	-1,344.68	-7,270.15	8,023.60	7,881.17	142.43	56.334		
3,800.00	3,729.30	3,733.30	3,733.30	18.92	128.63	160.85	-1,344.68	-7,270.15	8,043.40	7,897.09	146.31	54.977		
3,900.00	3,827.09	3,831.09	3,831.09	19.42	132.04	160.90	-1,344.68	-7,270.15	8,063.20	7,913.02	150.18	53.689		
4,000.00	3,924.88	3,928.88	3,928.88	19.93	135.45	160.94	-1,344.68	-7,270.15	8,083.01	7,928.95	154.06	52.467		
4,100.00	4,022.67	4,026.67	4,026.67	20.44	138.86	160.99	-1,344.68	-7,270.15	8,102.82	7,944.89	157.94	51.304		
4,200.00	4,120.46	4,124.46	4,124.46	20.95	142.28	161.04	-1,344.68	-7,270.15	8,122.64	7,960.83	161.82	50.197		
4,300.00	4,218.25	4,222.25	4,222.25	21.46	145.69	161.09	-1,344.68	-7,270.15	8,142.47	7,976.77	165.69	49.142		
4,400.00	4,316.04	4,320.04	4,320.04	21.97	149.10	161.14	-1,344.68	-7,270.15	8,162.30	7,992.72	169.57	48.134		
4,500.00	4,413.83	4,417.83	4,417.83	22.48	152.52	161.18	-1,344.68	-7,270.15	8,182.13	8,008.68	173.45	47.172		
4,600.00	4,511.62	4,515.62	4,515.62	22.99	155.93	161.23	-1,344.68	-7,270.15	8,201.97	8,024.64	177.33	46.252		
4,700.00	4,609.41	4,613.41	4,613.41	23.50	159.34	161.28	-1,344.68	-7,270.15	8,221.82	8,040.61	181.21	45.371		
4,800.00	4,707.20	4,711.20	4,711.20	24.01	162.76	161.32	-1,344.68	-7,270.15	8,241.67	8,056.58	185.09	44.528		
4,900.00	4,804.98	4,808.98	4,808.98	24.52	166.17	161.37	-1,344.68	-7,270.15	8,261.53	8,072.56	188.97	43.718		
5,000.00	4,902.77	4,906.77	4,906.77	25.03	169.58	161.42	-1,344.68	-7,270.15	8,281.39	8,088.54	192.85	42.942		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,004.56	5,004.56	25.54	173.00	161.46	-1,344.68	-7,270.15	8,301.26	8,104.52	196.73	42.196			
5,200.00	5,098.35	5,102.35	5,102.35	26.05	176.41	161.51	-1,344.68	-7,270.15	8,321.13	8,120.52	200.61	41.479			
5,300.00	5,196.14	5,200.14	5,200.14	26.56	179.82	161.55	-1,344.68	-7,270.15	8,341.01	8,136.51	204.49	40.789			
5,400.00	5,293.93	5,302.07	5,297.93	27.07	183.38	161.60	-1,344.68	-7,270.15	8,360.89	8,152.37	208.52	40.096			
5,500.00	5,391.72	5,404.28	5,395.72	27.58	186.95	161.64	-1,344.68	-7,270.15	8,380.78	8,168.22	212.55	39.429			
5,600.00	5,489.51	5,506.49	5,493.51	28.09	190.51	161.69	-1,344.68	-7,270.15	8,400.67	8,184.08	216.59	38.786			
5,700.00	5,587.30	5,608.70	5,591.30	28.61	194.08	161.73	-1,344.68	-7,270.15	8,420.56	8,199.94	220.63	38.167			
5,800.00	5,685.09	5,689.09	5,689.09	29.12	196.89	161.78	-1,344.68	-7,270.15	8,440.47	8,216.57	223.90	37.697			
5,900.00	5,782.88	5,786.88	5,786.88	29.63	200.30	161.82	-1,344.68	-7,270.15	8,460.37	8,232.59	227.78	37.142			
6,000.00	5,880.67	5,884.67	5,884.67	30.14	203.72	161.86	-1,344.68	-7,270.15	8,480.29	8,248.62	231.66	36.606			
6,100.00	5,978.46	5,982.46	5,982.46	30.65	207.13	161.91	-1,344.68	-7,270.15	8,500.20	8,264.66	235.55	36.087			
6,200.00	6,076.25	6,080.25	6,080.25	31.17	210.54	161.95	-1,344.68	-7,270.15	8,520.12	8,280.69	239.43	35.585			
6,298.86	6,172.92	6,176.92	6,176.92	31.67	213.92	162.00	-1,344.68	-7,270.15	8,539.82	8,296.56	243.27	35.105			
6,300.00	6,174.03	6,178.03	6,178.03	31.68	213.96	161.91	-1,344.68	-7,270.15	8,540.05	8,296.74	243.31	35.099			
6,350.00	6,223.30	6,227.30	6,227.30	31.92	215.67	155.88	-1,344.68	-7,270.15	8,548.01	8,302.75	245.26	34.853			
6,400.00	6,273.06	6,277.06	6,277.06	32.13	217.41	134.54	-1,344.68	-7,270.15	8,552.11	8,304.90	247.21	34.595			
6,450.00	6,323.01	6,327.01	6,327.01	32.32	219.16	44.15	-1,344.68	-7,270.15	8,552.32	8,303.17	249.14	34.327			
6,500.00	6,372.84	6,376.84	6,376.84	32.48	220.89	11.86	-1,344.68	-7,270.15	8,548.64	8,297.59	251.05	34.052			
6,550.00	6,422.24	6,426.24	6,426.24	32.65	222.62	4.02	-1,344.68	-7,270.15	8,541.09	8,288.17	252.92	33.770			
6,600.00	6,470.92	6,474.92	6,474.92	32.83	224.32	0.59	-1,344.68	-7,270.15	8,529.72	8,274.97	254.75	33.482			
6,650.00	6,518.56	6,522.56	6,522.56	33.01	225.98	-1.41	-1,344.68	-7,270.15	8,514.60	8,258.07	256.53	33.191			
6,700.00	6,564.89	6,568.89	6,568.89	33.21	227.60	-2.80	-1,344.68	-7,270.15	8,495.82	8,237.57	258.25	32.898			
6,750.00	6,609.60	6,613.60	6,613.60	33.43	229.16	-3.90	-1,344.68	-7,270.15	8,473.50	8,213.61	259.90	32.603			
6,800.00	6,652.43	6,656.43	6,656.43	33.66	230.65	-4.87	-1,344.68	-7,270.15	8,447.78	8,186.32	261.46	32.310			
6,850.00	6,693.10	6,702.90	6,697.10	33.91	232.28	-5.80	-1,344.68	-7,270.15	8,418.81	8,155.67	263.14	31.993			
6,900.00	6,731.38	6,735.38	6,735.38	34.20	233.41	-6.77	-1,344.68	-7,270.15	8,386.78	8,122.46	264.32	31.730			
6,950.00	6,767.02	6,771.02	6,771.02	34.51	234.65	-7.85	-1,344.68	-7,270.15	8,351.88	8,086.28	265.60	31.446			
7,000.00	6,799.81	6,803.81	6,803.81	34.85	235.80	-9.09	-1,344.68	-7,270.15	8,314.32	8,047.56	266.76	31.167			
7,050.00	6,829.54	6,833.54	6,833.54	35.24	236.84	-10.60	-1,344.68	-7,270.15	8,274.34	8,006.53	267.82	30.896			
7,100.00	6,856.03	6,860.03	6,860.03	35.66	237.76	-12.50	-1,344.68	-7,270.15	8,232.20	7,963.45	268.75	30.631			
7,150.00	6,879.11	6,883.11	6,883.11	36.12	238.57	-15.02	-1,344.68	-7,270.15	8,188.13	7,918.57	269.56	30.376			
7,200.00	6,898.65	6,902.65	6,902.65	36.62	239.25	-18.51	-1,344.68	-7,270.15	8,142.43	7,872.19	270.24	30.130			
7,250.00	6,914.51	6,918.51	6,918.51	37.15	239.80	-23.67	-1,344.68	-7,270.15	8,095.37	7,824.57	270.80	29.894			
7,300.00	6,926.62	6,930.62	6,930.62	37.73	240.23	-31.86	-1,344.68	-7,270.15	8,047.25	7,776.02	271.22	29.670			
7,350.00	6,934.88	6,938.88	6,938.88	38.34	240.51	-45.92	-1,344.68	-7,270.15	7,998.35	7,726.83	271.52	29.458			
7,400.00	6,939.26	6,943.26	6,943.26	38.97	240.67	-70.23	-1,344.68	-7,270.15	7,948.99	7,677.30	271.69	29.258			
7,429.12	6,940.00	6,944.00	6,944.00	39.34	240.69	-88.89	-1,344.68	-7,270.15	7,920.14	7,648.42	271.72	29.148			
7,500.00	6,940.19	6,944.19	6,944.19	40.31	240.70	-88.90	-1,344.68	-7,270.15	7,849.92	7,578.16	271.76	28.885			
7,600.00	6,940.46	6,944.46	6,944.46	41.80	240.71	-88.91	-1,344.68	-7,270.15	7,750.88	7,479.06	271.82	28.515			
7,700.00	6,940.72	6,944.72	6,944.72	43.43	240.72	-88.92	-1,344.68	-7,270.15	7,651.85	7,379.96	271.89	28.143			
7,800.00	6,940.99	6,944.99	6,944.99	45.19	240.73	-88.94	-1,344.68	-7,270.15	7,552.85	7,280.89	271.97	27.771			
7,900.00	6,941.25	6,945.25	6,945.25	47.05	240.74	-88.95	-1,344.68	-7,270.15	7,453.88	7,181.83	272.05	27.399			
8,000.00	6,941.52	6,945.52	6,945.52	49.02	240.75	-88.97	-1,344.68	-7,270.15	7,354.94	7,082.79	272.15	27.025			
8,100.00	6,941.79	6,945.79	6,945.79	51.06	240.75	-88.98	-1,344.68	-7,270.15	7,256.02	6,983.77	272.26	26.651			
8,200.00	6,942.05	6,946.05	6,946.05	53.18	240.76	-89.00	-1,344.68	-7,270.15	7,157.14	6,884.76	272.38	26.277			
8,300.00	6,942.32	6,946.32	6,946.32	55.37	240.77	-89.01	-1,344.68	-7,270.15	7,058.29	6,785.78	272.51	25.901			
8,400.00	6,942.58	6,946.58	6,946.58	57.62	240.78	-89.02	-1,344.68	-7,270.15	6,959.47	6,686.82	272.65	25.525			
8,500.00	6,942.85	6,946.85	6,946.85	59.92	240.79	-89.04	-1,344.68	-7,270.15	6,860.68	6,587.87	272.81	25.148			
8,600.00	6,943.12	6,947.12	6,947.12	62.26	240.80	-89.05	-1,344.68	-7,270.15	6,761.93	6,488.95	272.98	24.771			
8,700.00	6,943.38	6,947.38	6,947.38	64.65	240.81	-89.07	-1,344.68	-7,270.15	6,663.22	6,390.05	273.17	24.392			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,800.00	6,943.65	6,947.65	6,947.65	67.08	240.82	-89.08	-1,344.68	-7,270.15	6,564.55	6,291.17	273.37	24.013			
8,900.00	6,943.91	6,947.91	6,947.91	69.53	240.83	-89.09	-1,344.68	-7,270.15	6,465.91	6,192.32	273.59	23.634			
9,000.00	6,944.18	6,948.18	6,948.18	72.02	240.84	-89.11	-1,344.68	-7,270.15	6,367.32	6,093.49	273.83	23.253			
9,100.00	6,944.45	6,948.45	6,948.45	74.54	240.85	-89.12	-1,344.68	-7,270.15	6,268.78	5,994.69	274.08	22.872			
9,200.00	6,944.71	6,948.71	6,948.71	77.07	240.86	-89.14	-1,344.68	-7,270.15	6,170.28	5,895.92	274.36	22.490			
9,300.00	6,944.98	6,948.98	6,948.98	79.63	240.87	-89.15	-1,344.68	-7,270.15	6,071.83	5,797.17	274.66	22.107			
9,400.00	6,945.24	6,949.24	6,949.24	82.21	240.88	-89.17	-1,344.68	-7,270.15	5,973.43	5,698.45	274.98	21.723			
9,500.00	6,945.51	6,949.51	6,949.51	84.81	240.88	-89.18	-1,344.68	-7,270.15	5,875.08	5,599.76	275.32	21.339			
9,600.00	6,945.78	6,949.78	6,949.78	87.43	240.89	-89.19	-1,344.68	-7,270.15	5,776.80	5,501.11	275.69	20.954			
9,700.00	6,946.04	6,950.04	6,950.04	90.05	240.90	-89.21	-1,344.68	-7,270.15	5,678.57	5,402.48	276.08	20.568			
9,800.00	6,946.31	6,950.31	6,950.31	92.70	240.91	-89.22	-1,344.68	-7,270.15	5,580.40	5,303.89	276.51	20.182			
9,900.00	6,946.57	6,950.57	6,950.57	95.35	240.92	-89.24	-1,344.68	-7,270.15	5,482.30	5,205.34	276.96	19.794			
10,000.00	6,946.84	6,950.84	6,950.84	98.02	240.93	-89.25	-1,344.68	-7,270.15	5,384.28	5,106.83	277.45	19.407			
10,100.00	6,947.11	6,951.11	6,951.11	100.70	240.94	-89.26	-1,344.68	-7,270.15	5,286.32	5,008.35	277.97	19.018			
10,200.00	6,947.37	6,951.37	6,951.37	103.38	240.95	-89.28	-1,344.68	-7,270.15	5,188.44	4,909.92	278.52	18.629			
10,300.00	6,947.64	6,951.64	6,951.64	106.08	240.96	-89.29	-1,344.68	-7,270.15	5,090.65	4,811.54	279.11	18.239			
10,400.00	6,947.90	6,951.90	6,951.90	108.78	240.97	-89.31	-1,344.68	-7,270.15	4,992.94	4,713.20	279.74	17.848			
10,500.00	6,948.17	6,952.17	6,952.17	111.49	240.98	-89.32	-1,344.68	-7,270.15	4,895.33	4,614.91	280.42	17.457			
10,600.00	6,948.44	6,952.44	6,952.44	114.21	240.99	-89.34	-1,344.68	-7,270.15	4,797.81	4,516.67	281.14	17.066			
10,700.00	6,948.70	6,952.70	6,952.70	116.94	241.00	-89.35	-1,344.68	-7,270.15	4,700.40	4,418.49	281.91	16.674			
10,800.00	6,948.97	6,952.97	6,952.97	119.67	241.01	-89.36	-1,344.68	-7,270.15	4,603.10	4,320.37	282.72	16.281			
10,900.00	6,949.24	6,953.24	6,953.24	122.41	241.01	-89.38	-1,344.68	-7,270.15	4,505.92	4,222.32	283.60	15.888			
11,000.00	6,949.50	6,953.50	6,953.50	125.15	241.02	-89.39	-1,344.68	-7,270.15	4,408.86	4,124.33	284.53	15.495			
11,100.00	6,949.77	6,953.77	6,953.77	127.90	241.03	-89.41	-1,344.68	-7,270.15	4,311.94	4,026.42	285.52	15.102			
11,200.00	6,950.03	6,954.03	6,954.03	130.65	241.04	-89.42	-1,344.68	-7,270.15	4,215.16	3,928.58	286.58	14.709			
11,300.00	6,950.30	6,954.30	6,954.30	133.41	241.05	-89.44	-1,344.68	-7,270.15	4,118.53	3,830.83	287.70	14.315			
11,400.00	6,950.57	6,954.57	6,954.57	136.17	241.06	-89.45	-1,344.68	-7,270.15	4,022.08	3,733.17	288.90	13.922			
11,500.00	6,950.83	6,954.83	6,954.83	138.94	241.07	-89.46	-1,344.68	-7,270.15	3,925.79	3,635.61	290.18	13.529			
11,600.00	6,951.10	6,955.10	6,955.10	141.71	241.08	-89.48	-1,344.68	-7,270.15	3,829.70	3,538.15	291.55	13.136			
11,700.00	6,951.36	6,955.36	6,955.36	144.48	241.09	-89.49	-1,344.68	-7,270.15	3,733.81	3,440.81	293.00	12.743			
11,800.00	6,951.63	6,955.63	6,955.63	147.26	241.10	-89.51	-1,344.68	-7,270.15	3,638.15	3,343.59	294.56	12.351			
11,900.00	6,951.90	6,955.90	6,955.90	150.03	241.11	-89.52	-1,344.68	-7,270.15	3,542.72	3,246.51	296.21	11.960			
12,000.00	6,952.16	6,956.16	6,956.16	152.82	241.12	-89.53	-1,344.68	-7,270.15	3,447.56	3,149.57	297.98	11.570			
12,100.00	6,952.43	6,956.43	6,956.43	155.60	241.13	-89.55	-1,344.68	-7,270.15	3,352.67	3,052.80	299.87	11.180			
12,200.00	6,952.69	6,956.69	6,956.69	158.39	241.14	-89.56	-1,344.68	-7,270.15	3,258.09	2,956.20	301.89	10.792			
12,300.00	6,952.96	6,956.96	6,956.96	161.18	241.14	-89.58	-1,344.68	-7,270.15	3,163.85	2,859.79	304.05	10.406			
12,400.00	6,953.23	6,957.23	6,957.23	163.97	241.15	-89.59	-1,344.68	-7,270.15	3,069.97	2,763.60	306.36	10.021			
12,500.00	6,953.49	6,957.49	6,957.49	166.77	241.16	-89.61	-1,344.68	-7,270.15	2,976.48	2,667.64	308.84	9.638			
12,600.00	6,953.76	6,957.76	6,957.76	169.56	241.17	-89.62	-1,344.68	-7,270.15	2,883.44	2,571.95	311.49	9.257			
12,700.00	6,954.02	6,958.02	6,958.02	172.36	241.18	-89.63	-1,344.68	-7,270.15	2,790.87	2,476.54	314.33	8.879			
12,800.00	6,954.29	6,958.29	6,958.29	175.16	241.19	-89.65	-1,344.68	-7,270.15	2,698.84	2,381.45	317.39	8.503			
12,900.00	6,954.56	6,958.56	6,958.56	177.97	241.20	-89.66	-1,344.68	-7,270.15	2,607.39	2,286.73	320.66	8.131			
13,000.00	6,954.82	6,958.82	6,958.82	180.77	241.21	-89.68	-1,344.68	-7,270.15	2,516.59	2,192.41	324.19	7.763			
13,100.00	6,955.09	6,959.09	6,959.09	183.58	241.22	-89.69	-1,344.68	-7,270.15	2,426.52	2,098.55	327.98	7.398			
13,200.00	6,955.35	6,959.35	6,959.35	186.38	241.23	-89.71	-1,344.68	-7,270.15	2,337.26	2,005.20	332.06	7.039			
13,300.00	6,955.62	6,959.62	6,959.62	189.19	241.24	-89.72	-1,344.68	-7,270.15	2,248.89	1,912.44	336.45	6.684			
13,400.00	6,955.89	6,959.89	6,959.89	192.00	241.25	-89.73	-1,344.68	-7,270.15	2,161.55	1,820.35	341.20	6.335			
13,500.00	6,956.15	6,960.15	6,960.15	194.82	241.26	-89.75	-1,344.68	-7,270.15	2,075.34	1,729.03	346.31	5.993			
13,600.00	6,956.42	6,960.42	6,960.42	197.63	241.27	-89.76	-1,344.68	-7,270.15	1,990.43	1,638.60	351.83	5.657			
13,700.00	6,956.68	6,960.68	6,960.68	200.44	241.27	-89.78	-1,344.68	-7,270.15	1,906.98	1,549.19	357.78	5.330			
13,800.00	6,956.95	6,960.95	6,960.95	203.26	241.28	-89.79	-1,344.68	-7,270.15	1,825.19	1,460.99	364.20	5.011			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	6,961.22	6,961.22	206.08	241.29	-89.80	-1,344.68	-7,270.15	1,745.30	1,374.18	371.12	4.703		
14,000.00	6,957.48	6,961.48	6,961.48	208.89	241.30	-89.82	-1,344.68	-7,270.15	1,667.58	1,289.03	378.55	4.405		
14,100.00	6,957.75	6,961.75	6,961.75	211.71	241.31	-89.83	-1,344.68	-7,270.15	1,592.35	1,205.83	386.52	4.120		
14,200.00	6,958.02	6,962.02	6,962.02	214.53	241.32	-89.85	-1,344.68	-7,270.15	1,519.98	1,124.95	395.03	3.848		
14,300.00	6,958.28	6,962.28	6,962.28	217.36	241.33	-89.86	-1,344.68	-7,270.15	1,450.90	1,046.83	404.06	3.591		
14,400.00	6,958.55	6,962.55	6,962.55	220.18	241.34	-89.88	-1,344.68	-7,270.15	1,385.59	972.03	413.56	3.350		
14,500.00	6,958.81	6,962.81	6,962.81	223.00	241.35	-89.89	-1,344.68	-7,270.15	1,324.62	901.17	423.44	3.128		
14,600.00	6,959.08	6,963.08	6,963.08	225.83	241.36	-89.90	-1,344.68	-7,270.15	1,268.61	835.04	433.56	2.926		
14,700.00	6,959.35	6,963.35	6,963.35	228.65	241.37	-89.92	-1,344.68	-7,270.15	1,218.25	774.53	443.72	2.746		
14,800.00	6,959.61	6,963.61	6,963.61	231.48	241.38	-89.93	-1,344.68	-7,270.15	1,174.26	720.62	453.64	2.589		
14,900.00	6,959.88	6,963.88	6,963.88	234.30	241.39	-89.95	-1,344.68	-7,270.15	1,137.38	674.41	462.97	2.457		
15,000.00	6,960.14	6,964.14	6,964.14	237.13	241.40	-89.96	-1,344.68	-7,270.15	1,108.33	636.99	471.34	2.351		
15,100.00	6,960.41	6,964.41	6,964.41	239.96	241.40	-89.97	-1,344.68	-7,270.15	1,087.73	609.38	478.35	2.274		
15,200.00	6,960.68	6,964.68	6,964.68	242.79	241.41	-89.99	-1,344.68	-7,270.15	1,076.06	592.42	483.64	2.225		
15,276.22	6,960.88	6,964.88	6,964.88	244.94	241.42	-90.00	-1,344.68	-7,270.15	1,073.36	586.99	486.36	2.207 CC		
15,300.00	6,960.94	6,964.94	6,964.94	245.62	241.42	-90.00	-1,344.68	-7,270.15	1,073.62	586.65	486.97	2.205 ES, SF		
15,400.00	6,961.21	6,965.21	6,965.21	248.45	241.43	-90.02	-1,344.68	-7,270.15	1,080.47	592.26	488.21	2.213		
15,500.00	6,961.47	6,965.47	6,965.47	251.28	241.44	-90.03	-1,344.68	-7,270.15	1,096.44	609.02	487.41	2.250		
15,600.00	6,961.74	6,965.74	6,965.74	254.11	241.45	-90.05	-1,344.68	-7,270.15	1,121.13	636.36	484.77	2.313		
15,700.00	6,962.01	6,966.01	6,966.01	256.94	241.46	-90.06	-1,344.68	-7,270.15	1,153.99	673.42	480.57	2.401		
15,800.00	6,962.27	6,966.27	6,966.27	259.77	241.47	-90.07	-1,344.68	-7,270.15	1,194.34	719.17	475.17	2.514		
15,900.00	6,962.54	6,966.54	6,966.54	262.61	241.48	-90.09	-1,344.68	-7,270.15	1,241.45	772.55	468.90	2.648		
16,000.00	6,962.80	6,966.80	6,966.80	265.44	241.49	-90.10	-1,344.68	-7,270.15	1,294.58	832.49	462.10	2.802		
16,100.00	6,963.07	6,967.07	6,967.07	268.28	241.50	-90.12	-1,344.68	-7,270.15	1,353.03	898.02	455.02	2.974		
16,200.00	6,963.34	6,967.34	6,967.34	271.11	241.51	-90.13	-1,344.68	-7,270.15	1,416.14	968.27	447.87	3.162		
16,300.00	6,963.60	6,967.60	6,967.60	273.95	241.52	-90.15	-1,344.68	-7,270.15	1,483.31	1,042.50	440.81	3.365		
16,400.00	6,963.87	6,967.87	6,967.87	276.78	241.53	-90.16	-1,344.68	-7,270.15	1,554.02	1,120.07	433.95	3.581		
16,500.00	6,964.13	6,968.13	6,968.13	279.62	241.53	-90.17	-1,344.68	-7,270.15	1,627.80	1,200.44	427.36	3.809		
16,600.00	6,964.40	6,968.40	6,968.40	282.46	241.54	-90.19	-1,344.68	-7,270.15	1,704.25	1,283.17	421.08	4.047		
16,700.00	6,964.67	6,968.67	6,968.67	285.29	241.55	-90.20	-1,344.68	-7,270.15	1,783.04	1,367.91	415.13	4.295		
16,800.00	6,964.93	6,968.93	6,968.93	288.13	241.56	-90.22	-1,344.68	-7,270.15	1,863.86	1,454.34	409.52	4.551		
16,900.00	6,965.20	6,969.20	6,969.20	290.97	241.57	-90.23	-1,344.68	-7,270.15	1,946.47	1,542.22	404.25	4.815		
17,000.00	6,965.46	6,969.46	6,969.46	293.81	241.58	-90.24	-1,344.68	-7,270.15	2,030.64	1,631.34	399.30	5.085		
17,100.00	6,965.73	6,969.73	6,969.73	296.65	241.59	-90.26	-1,344.68	-7,270.15	2,116.19	1,721.52	394.66	5.362		
17,200.00	6,966.00	6,970.00	6,970.00	299.49	241.60	-90.27	-1,344.68	-7,270.15	2,202.95	1,812.63	390.32	5.644		
17,300.00	6,966.26	6,970.26	6,970.26	302.32	241.61	-90.29	-1,344.68	-7,270.15	2,290.80	1,904.54	386.26	5.931		
17,400.00	6,966.53	6,970.53	6,970.53	305.16	241.62	-90.30	-1,344.68	-7,270.15	2,379.60	1,997.15	382.45	6.222		
17,500.00	6,966.80	6,970.80	6,970.80	308.00	241.63	-90.32	-1,344.68	-7,270.15	2,469.26	2,090.38	378.88	6.517		
17,600.00	6,967.06	6,971.06	6,971.06	310.85	241.64	-90.33	-1,344.68	-7,270.15	2,559.69	2,184.15	375.53	6.816		
17,700.00	6,967.33	6,971.33	6,971.33	313.69	241.65	-90.34	-1,344.68	-7,270.15	2,650.80	2,278.41	372.40	7.118		
17,800.00	6,967.59	6,971.59	6,971.59	316.53	241.66	-90.36	-1,344.68	-7,270.15	2,742.54	2,373.09	369.45	7.423		
17,900.00	6,967.86	6,971.86	6,971.86	319.37	241.66	-90.37	-1,344.68	-7,270.15	2,834.83	2,468.15	366.68	7.731		
18,000.00	6,968.13	6,972.13	6,972.13	322.21	241.67	-90.39	-1,344.68	-7,270.15	2,927.63	2,563.55	364.08	8.041		
18,100.00	6,968.39	6,972.39	6,972.39	325.05	241.68	-90.40	-1,344.68	-7,270.15	3,020.89	2,659.26	361.62	8.354		
18,200.00	6,968.66	6,972.66	6,972.66	327.90	241.69	-90.42	-1,344.68	-7,270.15	3,114.56	2,755.25	359.31	8.668		
18,300.00	6,968.92	6,972.92	6,972.92	330.74	241.70	-90.43	-1,344.68	-7,270.15	3,208.62	2,851.49	357.13	8.984		
18,400.00	6,969.19	6,973.19	6,973.19	333.58	241.71	-90.44	-1,344.68	-7,270.15	3,303.03	2,947.96	355.08	9.302		
18,500.00	6,969.46	6,973.46	6,973.46	336.43	241.72	-90.46	-1,344.68	-7,270.15	3,397.76	3,044.63	353.13	9.622		
18,600.00	6,969.72	6,973.72	6,973.72	339.27	241.73	-90.47	-1,344.68	-7,270.15	3,492.78	3,141.49	351.29	9.943		
18,704.56	6,970.00	6,974.00	6,974.00	342.24	241.74	-90.49	-1,344.68	-7,270.15	3,592.42	3,242.95	349.47	10.280		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-87.60	233.78	-5,576.36	5,581.26					
100.00	100.00	110.00	110.00	3.28	3.89	-87.60	233.78	-5,576.36	5,581.26	5,574.08	7.18	777.719		
200.00	200.00	210.00	210.00	3.34	6.48	-87.60	233.78	-5,576.36	5,581.26	5,571.45	9.81	568.676		
300.00	299.98	309.98	309.98	3.44	9.65	172.40	233.78	-5,576.36	5,582.99	5,569.90	13.09	426.419		
400.00	399.84	409.84	409.84	3.60	12.98	172.39	233.78	-5,576.36	5,588.18	5,571.60	16.58	337.005		
500.00	499.45	509.45	509.45	3.80	16.37	172.38	233.78	-5,576.36	5,596.82	5,576.64	20.17	277.422		
600.00	598.70	608.70	608.70	4.05	19.78	172.36	233.78	-5,576.36	5,608.90	5,585.07	23.83	235.404		
700.00	697.47	707.47	707.47	4.33	23.19	172.34	233.78	-5,576.36	5,624.40	5,596.89	27.52	204.412		
803.50	799.05	809.05	809.05	4.67	26.70	172.32	233.78	-5,576.36	5,644.04	5,612.69	31.35	180.015		
900.00	893.41	903.41	903.41	5.02	29.97	172.35	233.78	-5,576.36	5,664.05	5,629.10	34.95	162.080		
1,000.00	991.20	1,001.20	1,001.20	5.41	33.37	172.37	233.78	-5,576.36	5,684.78	5,646.09	38.69	146.939		
1,100.00	1,088.99	1,101.01	1,098.99	5.81	36.84	172.40	233.78	-5,576.36	5,705.52	5,662.99	42.52	134.181		
1,200.00	1,186.78	1,203.22	1,196.78	6.23	40.39	172.43	233.78	-5,576.36	5,726.25	5,679.80	46.45	123.266		
1,300.00	1,284.57	1,305.43	1,294.57	6.67	43.95	172.46	233.78	-5,576.36	5,746.99	5,696.59	50.40	114.024		
1,400.00	1,382.36	1,407.64	1,392.36	7.12	47.51	172.48	233.78	-5,576.36	5,767.73	5,713.37	54.36	106.102		
1,500.00	1,480.15	1,509.85	1,490.15	7.57	51.07	172.51	233.78	-5,576.36	5,788.47	5,730.14	58.33	99.239		
1,600.00	1,577.94	1,587.94	1,587.94	8.03	53.79	172.54	233.78	-5,576.36	5,809.21	5,747.74	61.46	94.515		
1,700.00	1,675.73	1,685.73	1,685.73	8.50	57.20	172.56	233.78	-5,576.36	5,829.95	5,764.66	65.29	89.291		
1,800.00	1,773.52	1,783.52	1,783.52	8.98	60.61	172.59	233.78	-5,576.36	5,850.69	5,781.57	69.13	84.639		
1,900.00	1,871.31	1,881.31	1,881.31	9.45	64.02	172.62	233.78	-5,576.36	5,871.43	5,798.47	72.96	80.471		
2,000.00	1,969.10	1,979.10	1,979.10	9.94	67.42	172.64	233.78	-5,576.36	5,892.18	5,815.37	76.81	76.715		
2,100.00	2,066.88	2,076.88	2,076.88	10.42	70.83	172.67	233.78	-5,576.36	5,912.93	5,832.27	80.65	73.314		
2,200.00	2,164.67	2,174.67	2,174.67	10.91	74.24	172.69	233.78	-5,576.36	5,933.67	5,849.17	84.50	70.220		
2,300.00	2,262.46	2,272.46	2,272.46	11.40	77.66	172.72	233.78	-5,576.36	5,954.42	5,866.07	88.35	67.393		
2,400.00	2,360.25	2,370.25	2,370.25	11.89	81.07	172.75	233.78	-5,576.36	5,975.17	5,882.97	92.21	64.801		
2,500.00	2,458.04	2,468.04	2,468.04	12.39	84.48	172.77	233.78	-5,576.36	5,995.92	5,899.86	96.06	62.416		
2,600.00	2,555.83	2,565.83	2,565.83	12.88	87.89	172.80	233.78	-5,576.36	6,016.68	5,916.75	99.92	60.214		
2,700.00	2,653.62	2,663.62	2,663.62	13.38	91.30	172.82	233.78	-5,576.36	6,037.43	5,933.65	103.78	58.174		
2,800.00	2,751.41	2,761.41	2,761.41	13.88	94.71	172.85	233.78	-5,576.36	6,058.18	5,950.54	107.64	56.280		
2,900.00	2,849.20	2,859.20	2,859.20	14.38	98.12	172.87	233.78	-5,576.36	6,078.94	5,967.43	111.51	54.517		
3,000.00	2,946.99	2,956.99	2,956.99	14.88	101.54	172.89	233.78	-5,576.36	6,099.70	5,984.33	115.37	52.871		
3,100.00	3,044.78	3,054.78	3,054.78	15.38	104.95	172.92	233.78	-5,576.36	6,120.45	6,001.22	119.23	51.331		
3,200.00	3,142.57	3,152.57	3,152.57	15.89	108.36	172.94	233.78	-5,576.36	6,141.21	6,018.11	123.10	49.888		
3,300.00	3,240.36	3,250.36	3,250.36	16.39	111.77	172.97	233.78	-5,576.36	6,161.97	6,035.00	126.97	48.532		
3,400.00	3,338.15	3,348.15	3,348.15	16.89	115.19	172.99	233.78	-5,576.36	6,182.73	6,051.90	130.84	47.256		
3,500.00	3,435.93	3,445.93	3,445.93	17.40	118.60	173.01	233.78	-5,576.36	6,203.49	6,068.79	134.70	46.053		
3,600.00	3,533.72	3,543.72	3,543.72	17.90	122.01	173.04	233.78	-5,576.36	6,224.26	6,085.68	138.57	44.917		
3,700.00	3,631.51	3,641.51	3,641.51	18.41	125.42	173.06	233.78	-5,576.36	6,245.02	6,102.58	142.44	43.842		
3,800.00	3,729.30	3,739.30	3,739.30	18.92	128.84	173.08	233.78	-5,576.36	6,265.78	6,119.47	146.31	42.825		
3,900.00	3,827.09	3,837.09	3,837.09	19.42	132.25	173.11	233.78	-5,576.36	6,286.55	6,136.37	150.18	41.859		
4,000.00	3,924.88	3,934.88	3,934.88	19.93	135.66	173.13	233.78	-5,576.36	6,307.32	6,153.26	154.05	40.942		
4,100.00	4,022.67	4,032.67	4,032.67	20.44	139.07	173.15	233.78	-5,576.36	6,328.08	6,170.16	157.93	40.070		
4,200.00	4,120.46	4,130.46	4,130.46	20.95	142.49	173.17	233.78	-5,576.36	6,348.85	6,187.05	161.80	39.239		
4,300.00	4,218.25	4,228.25	4,228.25	21.46	145.90	173.20	233.78	-5,576.36	6,369.62	6,203.95	165.67	38.447		
4,400.00	4,316.04	4,326.04	4,326.04	21.97	149.31	173.22	233.78	-5,576.36	6,390.39	6,220.85	169.54	37.692		
4,500.00	4,413.83	4,423.83	4,423.83	22.48	152.73	173.24	233.78	-5,576.36	6,411.16	6,237.75	173.42	36.970		
4,600.00	4,511.62	4,521.62	4,521.62	22.99	156.14	173.26	233.78	-5,576.36	6,431.94	6,254.64	177.29	36.279		
4,700.00	4,609.41	4,619.41	4,619.41	23.50	159.55	173.28	233.78	-5,576.36	6,452.71	6,271.54	181.17	35.618		
4,800.00	4,707.20	4,717.20	4,717.20	24.01	162.97	173.31	233.78	-5,576.36	6,473.48	6,288.44	185.04	34.984		
4,900.00	4,804.98	4,814.98	4,814.98	24.52	166.38	173.33	233.78	-5,576.36	6,494.26	6,305.34	188.91	34.377		
5,000.00	4,902.77	4,912.77	4,912.77	25.03	169.79	173.35	233.78	-5,576.36	6,515.03	6,322.24	192.79	33.794		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,010.56	5,010.56	25.54	173.20	173.37	233.78	-5,576.36	6,535.81	6,339.15	196.66	33.233		
5,200.00	5,098.35	5,108.35	5,108.35	26.05	176.62	173.39	233.78	-5,576.36	6,556.59	6,356.05	200.54	32.695		
5,300.00	5,196.14	5,206.14	5,206.14	26.56	180.03	173.41	233.78	-5,576.36	6,577.36	6,372.95	204.41	32.177		
5,400.00	5,293.93	5,303.93	5,303.93	27.07	183.44	173.43	233.78	-5,576.36	6,598.14	6,389.85	208.29	31.678		
5,500.00	5,391.72	5,401.72	5,401.72	27.58	186.86	173.45	233.78	-5,576.36	6,618.92	6,406.76	212.17	31.197		
5,600.00	5,489.51	5,500.49	5,499.51	28.09	190.31	173.47	233.78	-5,576.36	6,639.70	6,423.63	216.08	30.729		
5,700.00	5,587.30	5,602.70	5,597.30	28.61	193.87	173.49	233.78	-5,576.36	6,660.49	6,440.38	220.11	30.260		
5,800.00	5,685.09	5,704.91	5,695.09	29.12	197.44	173.52	233.78	-5,576.36	6,681.27	6,457.13	224.14	29.809		
5,900.00	5,782.88	5,807.12	5,792.88	29.63	201.01	173.54	233.78	-5,576.36	6,702.05	6,473.88	228.17	29.373		
6,000.00	5,880.67	5,909.33	5,890.67	30.14	204.58	173.56	233.78	-5,576.36	6,722.83	6,490.63	232.20	28.953		
6,100.00	5,978.46	5,988.46	5,988.46	30.65	207.34	173.58	233.78	-5,576.36	6,743.62	6,508.19	235.42	28.644		
6,200.00	6,076.25	6,086.25	6,086.25	31.17	210.75	173.60	233.78	-5,576.36	6,764.40	6,525.10	239.30	28.267		
6,298.86	6,172.92	6,182.92	6,182.92	31.67	214.13	173.61	233.78	-5,576.36	6,784.95	6,541.82	243.13	27.906		
6,300.00	6,174.03	6,184.03	6,184.03	31.68	214.16	173.53	233.78	-5,576.36	6,785.19	6,542.01	243.18	27.902		
6,350.00	6,223.30	6,233.30	6,233.30	31.92	215.88	167.34	233.78	-5,576.36	6,793.57	6,548.45	245.12	27.715		
6,400.00	6,273.06	6,283.06	6,283.06	32.13	217.62	145.92	233.78	-5,576.36	6,798.07	6,550.99	247.07	27.514		
6,450.00	6,323.01	6,333.01	6,333.01	32.32	219.36	55.52	233.78	-5,576.36	6,798.65	6,549.64	249.01	27.303		
6,500.00	6,372.84	6,382.84	6,382.84	32.48	221.10	23.30	233.78	-5,576.36	6,795.33	6,544.41	250.92	27.082		
6,550.00	6,422.24	6,432.24	6,432.24	32.65	222.83	15.62	233.78	-5,576.36	6,788.11	6,535.32	252.79	26.852		
6,600.00	6,470.92	6,480.92	6,480.92	32.83	224.53	12.42	233.78	-5,576.36	6,777.04	6,522.42	254.63	26.616		
6,650.00	6,518.56	6,528.56	6,528.56	33.01	226.19	10.74	233.78	-5,576.36	6,762.20	6,505.80	256.40	26.373		
6,700.00	6,564.89	6,574.89	6,574.89	33.21	227.81	9.78	233.78	-5,576.36	6,743.67	6,485.55	258.12	26.126		
6,750.00	6,609.60	6,619.60	6,619.60	33.43	229.37	9.22	233.78	-5,576.36	6,721.56	6,461.80	259.76	25.876		
6,800.00	6,652.43	6,662.43	6,662.43	33.66	230.86	8.93	233.78	-5,576.36	6,696.02	6,434.70	261.32	25.624		
6,850.00	6,693.10	6,703.10	6,703.10	33.91	232.28	8.84	233.78	-5,576.36	6,667.20	6,404.41	262.79	25.371		
6,900.00	6,731.38	6,741.38	6,741.38	34.20	233.62	8.92	233.78	-5,576.36	6,635.28	6,371.12	264.16	25.119		
6,950.00	6,767.02	6,777.02	6,777.02	34.51	234.86	9.17	233.78	-5,576.36	6,600.45	6,335.03	265.42	24.868		
7,000.00	6,799.81	6,809.81	6,809.81	34.85	236.01	9.61	233.78	-5,576.36	6,562.94	6,296.36	266.58	24.619		
7,050.00	6,829.54	6,839.54	6,839.54	35.24	237.05	10.27	233.78	-5,576.36	6,522.97	6,255.35	267.61	24.375		
7,100.00	6,856.03	6,866.03	6,866.03	35.66	237.97	11.22	233.78	-5,576.36	6,480.78	6,212.25	268.53	24.134		
7,150.00	6,879.11	6,889.11	6,889.11	36.12	238.78	12.59	233.78	-5,576.36	6,436.65	6,167.33	269.32	23.899		
7,200.00	6,898.65	6,908.65	6,908.65	36.62	239.46	14.61	233.78	-5,576.36	6,390.84	6,120.85	269.99	23.671		
7,250.00	6,914.51	6,924.51	6,924.51	37.15	240.01	17.77	233.78	-5,576.36	6,343.64	6,073.11	270.53	23.449		
7,300.00	6,926.62	6,936.62	6,936.62	37.73	240.43	23.16	233.78	-5,576.36	6,295.32	6,024.39	270.94	23.235		
7,350.00	6,934.88	6,944.88	6,944.88	38.34	240.72	33.84	233.78	-5,576.36	6,246.21	5,974.99	271.21	23.031		
7,400.00	6,939.26	6,949.26	6,949.26	38.97	240.88	59.62	233.78	-5,576.36	6,196.58	5,925.22	271.36	22.835		
7,429.12	6,940.00	6,950.00	6,950.00	39.34	240.90	88.12	233.78	-5,576.36	6,167.57	5,896.18	271.39	22.726		
7,500.00	6,940.19	6,950.19	6,950.19	40.31	240.91	88.14	233.78	-5,576.36	6,096.93	5,825.53	271.40	22.465		
7,600.00	6,940.46	6,950.46	6,950.46	41.80	240.92	88.17	233.78	-5,576.36	5,997.27	5,725.85	271.42	22.096		
7,700.00	6,940.72	6,950.72	6,950.72	43.43	240.93	88.20	233.78	-5,576.36	5,897.62	5,626.18	271.44	21.727		
7,800.00	6,940.99	6,950.99	6,950.99	45.19	240.94	88.23	233.78	-5,576.36	5,797.99	5,526.52	271.47	21.358		
7,900.00	6,941.25	6,951.25	6,951.25	47.05	240.95	88.27	233.78	-5,576.36	5,698.36	5,426.86	271.50	20.988		
8,000.00	6,941.52	6,951.52	6,951.52	49.02	240.95	88.30	233.78	-5,576.36	5,598.76	5,327.22	271.54	20.619		
8,100.00	6,941.79	6,951.79	6,951.79	51.06	240.96	88.33	233.78	-5,576.36	5,499.16	5,227.58	271.58	20.249		
8,200.00	6,942.05	6,952.05	6,952.05	53.18	240.97	88.36	233.78	-5,576.36	5,399.58	5,127.95	271.63	19.878		
8,300.00	6,942.32	6,952.32	6,952.32	55.37	240.98	88.39	233.78	-5,576.36	5,300.02	5,028.33	271.68	19.508		
8,400.00	6,942.58	6,952.58	6,952.58	57.62	240.99	88.42	233.78	-5,576.36	5,200.47	4,928.73	271.74	19.137		
8,500.00	6,942.85	6,952.85	6,952.85	59.92	241.00	88.45	233.78	-5,576.36	5,100.94	4,829.13	271.81	18.766		
8,600.00	6,943.12	6,953.12	6,953.12	62.26	241.01	88.48	233.78	-5,576.36	5,001.43	4,729.54	271.89	18.395		
8,700.00	6,943.38	6,953.38	6,953.38	64.65	241.02	88.51	233.78	-5,576.36	4,901.94	4,629.97	271.97	18.024		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,953.65	6,953.65	67.08	241.03	88.54	233.78	-5,576.36	4,802.47	4,530.41	272.06	17.652		
8,900.00	6,943.91	6,953.91	6,953.91	69.53	241.04	88.57	233.78	-5,576.36	4,703.02	4,430.86	272.16	17.280		
9,000.00	6,944.18	6,954.18	6,954.18	72.02	241.05	88.60	233.78	-5,576.36	4,603.60	4,331.32	272.28	16.908		
9,100.00	6,944.45	6,954.45	6,954.45	74.54	241.06	88.63	233.78	-5,576.36	4,504.20	4,231.80	272.40	16.535		
9,200.00	6,944.71	6,954.71	6,954.71	77.07	241.07	88.66	233.78	-5,576.36	4,404.83	4,132.29	272.54	16.162		
9,300.00	6,944.98	6,954.98	6,954.98	79.63	241.08	88.69	233.78	-5,576.36	4,305.49	4,032.80	272.69	15.789		
9,400.00	6,945.24	6,955.24	6,955.24	82.21	241.08	88.72	233.78	-5,576.36	4,206.18	3,933.32	272.85	15.416		
9,500.00	6,945.51	6,955.51	6,955.51	84.81	241.09	88.75	233.78	-5,576.36	4,106.90	3,833.87	273.03	15.042		
9,600.00	6,945.78	6,955.78	6,955.78	87.43	241.10	88.78	233.78	-5,576.36	4,007.66	3,734.43	273.23	14.668		
9,700.00	6,946.04	6,956.04	6,956.04	90.05	241.11	88.82	233.78	-5,576.36	3,908.45	3,635.00	273.45	14.293		
9,800.00	6,946.31	6,956.31	6,956.31	92.70	241.12	88.85	233.78	-5,576.36	3,809.29	3,535.60	273.69	13.918		
9,900.00	6,946.57	6,956.57	6,956.57	95.35	241.13	88.88	233.78	-5,576.36	3,710.18	3,436.22	273.96	13.543		
10,000.00	6,946.84	6,956.84	6,956.84	98.02	241.14	88.91	233.78	-5,576.36	3,611.11	3,336.86	274.25	13.167		
10,100.00	6,947.11	6,957.11	6,957.11	100.70	241.15	88.94	233.78	-5,576.36	3,512.10	3,237.52	274.58	12.791		
10,200.00	6,947.37	6,957.37	6,957.37	103.38	241.16	88.97	233.78	-5,576.36	3,413.14	3,138.21	274.93	12.414		
10,300.00	6,947.64	6,957.64	6,957.64	106.08	241.17	89.00	233.78	-5,576.36	3,314.25	3,038.92	275.33	12.037		
10,400.00	6,947.90	6,957.90	6,957.90	108.78	241.18	89.03	233.78	-5,576.36	3,215.42	2,939.66	275.76	11.660		
10,500.00	6,948.17	6,958.17	6,958.17	111.49	241.19	89.06	233.78	-5,576.36	3,116.67	2,840.42	276.25	11.282		
10,600.00	6,948.44	6,958.44	6,958.44	114.21	241.20	89.09	233.78	-5,576.36	3,018.00	2,741.22	276.78	10.904		
10,700.00	6,948.70	6,958.70	6,958.70	116.94	241.21	89.12	233.78	-5,576.36	2,919.42	2,642.05	277.37	10.525		
10,800.00	6,948.97	6,958.97	6,958.97	119.67	241.21	89.15	233.78	-5,576.36	2,820.95	2,542.92	278.03	10.146		
10,900.00	6,949.24	6,959.24	6,959.24	122.41	241.22	89.18	233.78	-5,576.36	2,722.58	2,443.82	278.76	9.767		
11,000.00	6,949.50	6,959.50	6,959.50	125.15	241.23	89.21	233.78	-5,576.36	2,624.33	2,344.76	279.57	9.387		
11,100.00	6,949.77	6,959.77	6,959.77	127.90	241.24	89.24	233.78	-5,576.36	2,526.23	2,245.75	280.48	9.007		
11,200.00	6,950.03	6,960.03	6,960.03	130.65	241.25	89.27	233.78	-5,576.36	2,428.28	2,146.78	281.49	8.626		
11,300.00	6,950.30	6,960.30	6,960.30	133.41	241.26	89.30	233.78	-5,576.36	2,330.50	2,047.87	282.63	8.246		
11,400.00	6,950.57	6,960.57	6,960.57	136.17	241.27	89.33	233.78	-5,576.36	2,232.92	1,949.02	283.90	7.865		
11,500.00	6,950.83	6,960.83	6,960.83	138.94	241.28	89.37	233.78	-5,576.36	2,135.56	1,850.23	285.34	7.484		
11,600.00	6,951.10	6,961.10	6,961.10	141.71	241.29	89.40	233.78	-5,576.36	2,038.46	1,751.51	286.95	7.104		
11,700.00	6,951.36	6,961.36	6,961.36	144.48	241.30	89.43	233.78	-5,576.36	1,941.66	1,652.88	288.78	6.724		
11,800.00	6,951.63	6,961.63	6,961.63	147.26	241.31	89.46	233.78	-5,576.36	1,845.19	1,554.35	290.84	6.344		
11,900.00	6,951.90	6,961.90	6,961.90	150.03	241.32	89.49	233.78	-5,576.36	1,749.12	1,455.93	293.19	5.966		
12,000.00	6,952.16	6,962.16	6,962.16	152.82	241.33	89.52	233.78	-5,576.36	1,653.52	1,357.65	295.87	5.589		
12,100.00	6,952.43	6,962.43	6,962.43	155.60	241.34	89.55	233.78	-5,576.36	1,558.47	1,259.54	298.93	5.214		
12,200.00	6,952.69	6,962.69	6,962.69	158.39	241.34	89.58	233.78	-5,576.36	1,464.08	1,161.63	302.45	4.841		
12,300.00	6,952.96	6,962.96	6,962.96	161.18	241.35	89.61	233.78	-5,576.36	1,370.48	1,063.98	306.50	4.471		
12,400.00	6,953.23	6,963.23	6,963.23	163.97	241.36	89.64	233.78	-5,576.36	1,277.86	966.66	311.20	4.106		
12,500.00	6,953.49	6,963.49	6,963.49	166.77	241.37	89.67	233.78	-5,576.36	1,186.43	869.77	316.66	3.747		
12,600.00	6,953.76	6,963.76	6,963.76	169.56	241.38	89.70	233.78	-5,576.36	1,096.50	773.47	323.04	3.394		
12,700.00	6,954.02	6,964.02	6,964.02	172.36	241.39	89.73	233.78	-5,576.36	1,008.47	677.96	330.51	3.051		
12,800.00	6,954.29	6,964.29	6,964.29	175.16	241.40	89.76	233.78	-5,576.36	922.88	583.58	339.30	2.720		
12,900.00	6,954.56	6,964.56	6,964.56	177.97	241.41	89.79	233.78	-5,576.36	840.48	490.86	349.62	2.404		
13,000.00	6,954.82	6,964.82	6,964.82	180.77	241.42	89.82	233.78	-5,576.36	762.30	400.62	361.69	2.108		
13,100.00	6,955.09	6,965.09	6,965.09	183.58	241.43	89.85	233.78	-5,576.36	689.79	314.21	375.58	1.837		
13,200.00	6,955.35	6,965.35	6,965.35	186.38	241.44	89.88	233.78	-5,576.36	624.90	233.83	391.08	1.598		
13,300.00	6,955.62	6,965.62	6,965.62	189.19	241.45	89.92	233.78	-5,576.36	570.26	162.92	407.34	1.400 Level 3		
13,400.00	6,955.89	6,965.89	6,965.89	192.00	241.46	89.95	233.78	-5,576.36	529.05	106.48	422.57	1.252 Level 3		
13,500.00	6,956.15	6,966.15	6,966.15	194.82	241.47	89.98	233.78	-5,576.36	504.57	70.58	433.99	1.163 Level 2		
13,576.52	6,956.36	6,966.36	6,966.36	196.97	241.47	90.00	233.78	-5,576.36	498.74	60.30	438.44	1.138 Level 2, CC, ES, SF		
13,600.00	6,956.42	6,966.42	6,966.42	197.63	241.47	90.01	233.78	-5,576.36	499.29	60.37	438.92	1.138 Level 2		
13,700.00	6,956.68	6,966.68	6,966.68	200.44	241.48	90.04	233.78	-5,576.36	513.79	77.43	436.36	1.177 Level 2		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,966.95	6,966.95	203.26	241.49	90.07	233.78	-5,576.36	546.52	118.80	427.72	1.278	Level 3	
13,900.00	6,957.22	6,967.22	6,967.22	206.08	241.50	90.10	233.78	-5,576.36	594.46	178.81	415.65	1.430	Level 3	
14,000.00	6,957.48	6,967.48	6,967.48	208.89	241.51	90.13	233.78	-5,576.36	654.27	251.72	402.55	1.625		
14,100.00	6,957.75	6,967.75	6,967.75	211.71	241.52	90.16	233.78	-5,576.36	723.03	333.10	389.93	1.854		
14,200.00	6,958.02	6,968.02	6,968.02	214.53	241.53	90.19	233.78	-5,576.36	798.41	419.95	378.46	2.110		
14,300.00	6,958.28	6,968.28	6,968.28	217.36	241.54	90.22	233.78	-5,576.36	878.73	510.37	368.36	2.386		
14,400.00	6,958.55	6,968.55	6,968.55	220.18	241.55	90.25	233.78	-5,576.36	962.73	603.15	359.58	2.677		
14,500.00	6,958.81	6,968.81	6,968.81	223.00	241.56	90.28	233.78	-5,576.36	1,049.55	697.56	351.99	2.982		
14,600.00	6,959.08	6,969.08	6,969.08	225.83	241.57	90.31	233.78	-5,576.36	1,138.53	793.10	345.43	3.296		
14,700.00	6,959.35	6,969.35	6,969.35	228.65	241.58	90.34	233.78	-5,576.36	1,229.20	889.45	339.75	3.618		
14,800.00	6,959.61	6,969.61	6,969.61	231.48	241.59	90.37	233.78	-5,576.36	1,321.23	986.42	334.81	3.946		
14,900.00	6,959.88	6,969.88	6,969.88	234.30	241.60	90.40	233.78	-5,576.36	1,414.33	1,083.84	330.49	4.280		
15,000.00	6,960.14	6,970.14	6,970.14	237.13	241.60	90.44	233.78	-5,576.36	1,508.32	1,181.62	326.69	4.617		
15,100.00	6,960.41	6,970.41	6,970.41	239.96	241.61	90.47	233.78	-5,576.36	1,603.03	1,279.68	323.35	4.958		
15,200.00	6,960.68	6,970.68	6,970.68	242.79	241.62	90.50	233.78	-5,576.36	1,698.36	1,377.97	320.39	5.301		
15,300.00	6,960.94	6,970.94	6,970.94	245.62	241.63	90.53	233.78	-5,576.36	1,794.19	1,476.44	317.75	5.647		
15,400.00	6,961.21	6,971.21	6,971.21	248.45	241.64	90.56	233.78	-5,576.36	1,890.45	1,575.05	315.40	5.994		
15,500.00	6,961.47	6,971.47	6,971.47	251.28	241.65	90.59	233.78	-5,576.36	1,987.08	1,673.80	313.28	6.343		
15,600.00	6,961.74	6,971.74	6,971.74	254.11	241.66	90.62	233.78	-5,576.36	2,084.03	1,772.65	311.38	6.693		
15,700.00	6,962.01	6,972.01	6,972.01	256.94	241.67	90.65	233.78	-5,576.36	2,181.26	1,871.59	309.66	7.044		
15,800.00	6,962.27	6,972.27	6,972.27	259.77	241.68	90.68	233.78	-5,576.36	2,278.72	1,970.61	308.11	7.396		
15,900.00	6,962.54	6,972.54	6,972.54	262.61	241.69	90.71	233.78	-5,576.36	2,376.40	2,069.70	306.69	7.748		
16,000.00	6,962.80	6,972.80	6,972.80	265.44	241.70	90.74	233.78	-5,576.36	2,474.26	2,168.85	305.41	8.102		
16,100.00	6,963.07	6,973.07	6,973.07	268.28	241.71	90.77	233.78	-5,576.36	2,572.29	2,268.05	304.23	8.455		
16,200.00	6,963.34	6,973.34	6,973.34	271.11	241.72	90.80	233.78	-5,576.36	2,670.46	2,367.30	303.16	8.809		
16,300.00	6,963.60	6,973.60	6,973.60	273.95	241.73	90.83	233.78	-5,576.36	2,768.76	2,466.59	302.17	9.163		
16,400.00	6,963.87	6,973.87	6,973.87	276.78	241.73	90.86	233.78	-5,576.36	2,867.18	2,565.92	301.26	9.517		
16,500.00	6,964.13	6,974.13	6,974.13	279.62	241.74	90.89	233.78	-5,576.36	2,965.71	2,665.28	300.43	9.872		
16,600.00	6,964.40	6,974.40	6,974.40	282.46	241.75	90.92	233.78	-5,576.36	3,064.33	2,764.67	299.66	10.226		
16,700.00	6,964.67	6,974.67	6,974.67	285.29	241.76	90.95	233.78	-5,576.36	3,163.04	2,864.09	298.95	10.580		
16,800.00	6,964.93	6,974.93	6,974.93	288.13	241.77	90.99	233.78	-5,576.36	3,261.83	2,963.53	298.30	10.935		
16,900.00	6,965.20	6,975.20	6,975.20	290.97	241.78	91.02	233.78	-5,576.36	3,360.68	3,062.99	297.69	11.289		
17,000.00	6,965.46	6,975.46	6,975.46	293.81	241.79	91.05	233.78	-5,576.36	3,459.61	3,162.48	297.13	11.643		
17,100.00	6,965.73	6,975.73	6,975.73	296.65	241.80	91.08	233.78	-5,576.36	3,558.59	3,261.98	296.61	11.998		
17,200.00	6,966.00	6,976.00	6,976.00	299.49	241.81	91.11	233.78	-5,576.36	3,657.63	3,361.51	296.12	12.352		
17,300.00	6,966.26	6,976.26	6,976.26	302.32	241.82	91.14	233.78	-5,576.36	3,756.72	3,461.05	295.67	12.706		
17,400.00	6,966.53	6,976.53	6,976.53	305.16	241.83	91.17	233.78	-5,576.36	3,855.86	3,560.60	295.26	13.059		
17,500.00	6,966.80	6,976.80	6,976.80	308.00	241.84	91.20	233.78	-5,576.36	3,955.04	3,660.17	294.87	13.413		
17,600.00	6,967.06	6,977.06	6,977.06	310.85	241.85	91.23	233.78	-5,576.36	4,054.26	3,759.75	294.51	13.766		
17,700.00	6,967.33	6,977.33	6,977.33	313.69	241.86	91.26	233.78	-5,576.36	4,153.52	3,859.35	294.17	14.119		
17,800.00	6,967.59	6,977.59	6,977.59	316.53	241.87	91.29	233.78	-5,576.36	4,252.81	3,958.95	293.86	14.472		
17,900.00	6,967.86	6,977.86	6,977.86	319.37	241.87	91.32	233.78	-5,576.36	4,352.14	4,058.57	293.57	14.825		
18,000.00	6,968.13	6,978.13	6,978.13	322.21	241.88	91.35	233.78	-5,576.36	4,451.49	4,158.19	293.30	15.177		
18,100.00	6,968.39	6,978.39	6,978.39	325.05	241.89	91.38	233.78	-5,576.36	4,550.88	4,257.83	293.05	15.529		
18,200.00	6,968.66	6,978.66	6,978.66	327.90	241.90	91.41	233.78	-5,576.36	4,650.29	4,357.47	292.82	15.881		
18,300.00	6,968.92	6,978.92	6,978.92	330.74	241.91	91.44	233.78	-5,576.36	4,749.72	4,457.12	292.60	16.233		
18,400.00	6,969.19	6,979.19	6,979.19	333.58	241.92	91.47	233.78	-5,576.36	4,849.18	4,556.78	292.40	16.584		
18,500.00	6,969.46	6,979.46	6,979.46	336.43	241.93	91.50	233.78	-5,576.36	4,948.66	4,656.45	292.21	16.935		
18,600.00	6,969.72	6,979.72	6,979.72	339.27	241.94	91.54	233.78	-5,576.36	5,048.16	4,756.12	292.04	17.286		
18,704.56	6,970.00	6,980.00	6,980.00	342.24	241.95	91.57	233.78	-5,576.36	5,152.22	4,860.35	291.87	17.652		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-88.96	58.86	-3,231.77	3,232.30					
100.00	100.00	116.00	116.00	3.28	4.01	-88.96	58.86	-3,231.77	3,232.30	3,225.01	7.29	443.202		
200.00	200.00	216.00	216.00	3.34	6.66	-88.96	58.86	-3,231.77	3,232.30	3,222.31	10.00	323.361		
300.00	299.98	315.98	315.98	3.44	9.85	171.04	58.86	-3,231.77	3,234.03	3,220.74	13.29	243.343		
400.00	399.84	415.84	415.84	3.60	13.19	171.04	58.86	-3,231.77	3,239.19	3,222.41	16.78	192.986		
500.00	499.45	515.45	515.45	3.80	16.58	171.04	58.86	-3,231.77	3,247.80	3,227.42	20.38	159.365		
600.00	598.70	614.70	614.70	4.05	19.98	171.03	58.86	-3,231.77	3,259.84	3,235.81	24.03	135.638		
700.00	697.47	713.47	713.47	4.33	23.39	171.03	58.86	-3,231.77	3,275.30	3,247.58	27.72	118.145		
803.50	799.05	815.05	815.05	4.67	26.91	171.02	58.86	-3,231.77	3,294.88	3,263.31	31.56	104.395		
900.00	893.41	909.41	909.41	5.02	30.18	171.07	58.86	-3,231.77	3,314.82	3,279.66	35.15	94.292		
1,000.00	991.20	1,007.20	1,007.20	5.41	33.58	171.13	58.86	-3,231.77	3,335.49	3,296.59	38.90	85.750		
1,100.00	1,088.99	1,104.99	1,104.99	5.81	36.98	171.18	58.86	-3,231.77	3,356.16	3,313.50	42.66	78.670		
1,200.00	1,186.78	1,202.78	1,202.78	6.23	40.38	171.24	58.86	-3,231.77	3,376.84	3,330.40	46.44	72.712		
1,300.00	1,284.57	1,300.57	1,300.57	6.67	43.78	171.29	58.86	-3,231.77	3,397.52	3,347.28	50.24	67.632		
1,400.00	1,382.36	1,401.64	1,398.36	7.12	47.30	171.35	58.86	-3,231.77	3,418.20	3,364.04	54.15	63.120		
1,500.00	1,480.15	1,503.85	1,496.15	7.57	50.86	171.40	58.86	-3,231.77	3,438.88	3,380.76	58.12	59.166		
1,600.00	1,577.94	1,606.06	1,593.94	8.03	54.42	171.45	58.86	-3,231.77	3,459.57	3,397.47	62.10	55.711		
1,700.00	1,675.73	1,708.27	1,691.73	8.50	57.98	171.50	58.86	-3,231.77	3,480.26	3,414.18	66.08	52.666		
1,800.00	1,773.52	1,789.52	1,789.52	8.98	60.82	171.55	58.86	-3,231.77	3,500.95	3,431.61	69.34	50.490		
1,900.00	1,871.31	1,887.31	1,887.31	9.45	64.22	171.60	58.86	-3,231.77	3,521.65	3,448.47	73.18	48.125		
2,000.00	1,969.10	1,985.10	1,985.10	9.94	67.63	171.65	58.86	-3,231.77	3,542.34	3,465.32	77.02	45.992		
2,100.00	2,066.88	2,082.88	2,082.88	10.42	71.04	171.70	58.86	-3,231.77	3,563.04	3,482.18	80.87	44.061		
2,200.00	2,164.67	2,180.67	2,180.67	10.91	74.45	171.75	58.86	-3,231.77	3,583.74	3,499.03	84.72	42.303		
2,300.00	2,262.46	2,278.46	2,278.46	11.40	77.86	171.80	58.86	-3,231.77	3,604.45	3,515.88	88.57	40.697		
2,400.00	2,360.25	2,376.25	2,376.25	11.89	81.28	171.84	58.86	-3,231.77	3,625.16	3,532.73	92.42	39.224		
2,500.00	2,458.04	2,474.04	2,474.04	12.39	84.69	171.89	58.86	-3,231.77	3,645.87	3,549.59	96.28	37.868		
2,600.00	2,555.83	2,571.83	2,571.83	12.88	88.10	171.94	58.86	-3,231.77	3,666.58	3,566.44	100.14	36.615		
2,700.00	2,653.62	2,669.62	2,669.62	13.38	91.51	171.98	58.86	-3,231.77	3,687.29	3,583.29	104.00	35.455		
2,800.00	2,751.41	2,767.41	2,767.41	13.88	94.92	172.03	58.86	-3,231.77	3,708.01	3,600.15	107.86	34.378		
2,900.00	2,849.20	2,865.20	2,865.20	14.38	98.33	172.07	58.86	-3,231.77	3,728.73	3,617.00	111.72	33.375		
3,000.00	2,946.99	2,962.99	2,962.99	14.88	101.75	172.11	58.86	-3,231.77	3,749.45	3,633.86	115.59	32.439		
3,100.00	3,044.78	3,060.78	3,060.78	15.38	105.16	172.16	58.86	-3,231.77	3,770.17	3,650.72	119.45	31.562		
3,200.00	3,142.57	3,158.57	3,158.57	15.89	108.57	172.20	58.86	-3,231.77	3,790.89	3,667.58	123.32	30.741		
3,300.00	3,240.36	3,256.36	3,256.36	16.39	111.98	172.24	58.86	-3,231.77	3,811.62	3,684.44	127.18	29.969		
3,400.00	3,338.15	3,354.15	3,354.15	16.89	115.39	172.29	58.86	-3,231.77	3,832.35	3,701.30	131.05	29.243		
3,500.00	3,435.93	3,451.93	3,451.93	17.40	118.81	172.33	58.86	-3,231.77	3,853.08	3,718.16	134.92	28.558		
3,600.00	3,533.72	3,549.72	3,549.72	17.90	122.22	172.37	58.86	-3,231.77	3,873.81	3,735.02	138.79	27.911		
3,700.00	3,631.51	3,647.51	3,647.51	18.41	125.63	172.41	58.86	-3,231.77	3,894.55	3,751.89	142.66	27.300		
3,800.00	3,729.30	3,745.30	3,745.30	18.92	129.04	172.45	58.86	-3,231.77	3,915.28	3,768.75	146.53	26.720		
3,900.00	3,827.09	3,843.09	3,843.09	19.42	132.46	172.49	58.86	-3,231.77	3,936.02	3,785.62	150.40	26.170		
4,000.00	3,924.88	3,940.88	3,940.88	19.93	135.87	172.53	58.86	-3,231.77	3,956.76	3,802.49	154.27	25.648		
4,100.00	4,022.67	4,038.67	4,038.67	20.44	139.28	172.57	58.86	-3,231.77	3,977.50	3,819.36	158.14	25.151		
4,200.00	4,120.46	4,136.46	4,136.46	20.95	142.70	172.61	58.86	-3,231.77	3,998.25	3,836.23	162.02	24.678		
4,300.00	4,218.25	4,234.25	4,234.25	21.46	146.11	172.65	58.86	-3,231.77	4,018.99	3,853.10	165.89	24.227		
4,400.00	4,316.04	4,332.04	4,332.04	21.97	149.52	172.68	58.86	-3,231.77	4,039.74	3,869.98	169.76	23.797		
4,500.00	4,413.83	4,429.83	4,429.83	22.48	152.94	172.72	58.86	-3,231.77	4,060.49	3,886.85	173.63	23.385		
4,600.00	4,511.62	4,527.62	4,527.62	22.99	156.35	172.76	58.86	-3,231.77	4,081.24	3,903.73	177.51	22.992		
4,700.00	4,609.41	4,625.41	4,625.41	23.50	159.76	172.80	58.86	-3,231.77	4,101.99	3,920.61	181.38	22.615		
4,800.00	4,707.20	4,723.20	4,723.20	24.01	163.17	172.83	58.86	-3,231.77	4,122.74	3,937.49	185.26	22.254		
4,900.00	4,804.98	4,820.98	4,820.98	24.52	166.59	172.87	58.86	-3,231.77	4,143.50	3,954.37	189.13	21.908		
5,000.00	4,902.77	4,918.77	4,918.77	25.03	170.00	172.90	58.86	-3,231.77	4,164.25	3,971.25	193.01	21.576		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,016.56	5,016.56	25.54	173.41	172.94	58.86	-3,231.77	4,185.01	3,988.13	196.88	21.257		
5,200.00	5,098.35	5,114.35	5,114.35	26.05	176.83	172.97	58.86	-3,231.77	4,205.77	4,005.02	200.76	20.950		
5,300.00	5,196.14	5,212.14	5,212.14	26.56	180.24	173.01	58.86	-3,231.77	4,226.53	4,021.90	204.63	20.654		
5,400.00	5,293.93	5,309.93	5,309.93	27.07	183.65	173.04	58.86	-3,231.77	4,247.30	4,038.79	208.51	20.370		
5,500.00	5,391.72	5,407.72	5,407.72	27.58	187.07	173.08	58.86	-3,231.77	4,268.06	4,055.68	212.38	20.096		
5,600.00	5,489.51	5,505.51	5,505.51	28.09	190.48	173.11	58.86	-3,231.77	4,288.83	4,072.57	216.26	19.832		
5,700.00	5,587.30	5,603.30	5,603.30	28.61	193.89	173.14	58.86	-3,231.77	4,309.59	4,089.46	220.13	19.577		
5,800.00	5,685.09	5,701.09	5,701.09	29.12	197.31	173.18	58.86	-3,231.77	4,330.36	4,106.35	224.01	19.331		
5,900.00	5,782.88	5,801.12	5,798.88	29.63	200.80	173.21	58.86	-3,231.77	4,351.13	4,123.16	227.97	19.087		
6,000.00	5,880.67	5,903.33	5,896.67	30.14	204.37	173.24	58.86	-3,231.77	4,371.90	4,139.90	232.00	18.845		
6,100.00	5,978.46	6,005.54	5,994.46	30.65	207.93	173.27	58.86	-3,231.77	4,392.67	4,156.65	236.03	18.611		
6,200.00	6,076.25	6,107.76	6,092.25	31.17	211.50	173.31	58.86	-3,231.77	4,413.45	4,173.39	240.06	18.385		
6,298.86	6,172.92	6,188.92	6,188.92	31.67	214.34	173.34	58.86	-3,231.77	4,433.99	4,190.63	243.35	18.221		
6,300.00	6,174.03	6,209.97	6,190.03	31.68	215.07	173.25	58.86	-3,231.77	4,434.22	4,190.13	244.09	18.166		
6,350.00	6,223.30	6,239.30	6,239.30	31.92	216.09	167.07	58.86	-3,231.77	4,442.59	4,197.26	245.34	18.108		
6,400.00	6,273.06	6,289.06	6,289.06	32.13	217.83	145.66	58.86	-3,231.77	4,447.08	4,199.80	247.29	17.983		
6,450.00	6,323.01	6,339.01	6,339.01	32.32	219.57	55.27	58.86	-3,231.77	4,447.66	4,198.44	249.23	17.846		
6,500.00	6,372.84	6,388.84	6,388.84	32.48	221.31	23.06	58.86	-3,231.77	4,444.33	4,193.20	251.13	17.697		
6,550.00	6,422.24	6,438.24	6,438.24	32.65	223.04	15.39	58.86	-3,231.77	4,437.10	4,184.09	253.01	17.537		
6,600.00	6,470.92	6,486.92	6,486.92	32.83	224.74	12.19	58.86	-3,231.77	4,426.02	4,171.19	254.84	17.368		
6,650.00	6,518.56	6,534.56	6,534.56	33.01	226.40	10.52	58.86	-3,231.77	4,411.17	4,154.55	256.62	17.190		
6,700.00	6,564.89	6,580.89	6,580.89	33.21	228.02	9.57	58.86	-3,231.77	4,392.63	4,134.29	258.33	17.004		
6,750.00	6,609.60	6,625.60	6,625.60	33.43	229.58	9.02	58.86	-3,231.77	4,370.51	4,110.54	259.97	16.811		
6,800.00	6,652.43	6,668.43	6,668.43	33.66	231.07	8.73	58.86	-3,231.77	4,344.96	4,083.43	261.53	16.614		
6,850.00	6,693.10	6,709.10	6,709.10	33.91	232.49	8.65	58.86	-3,231.77	4,316.13	4,053.13	263.00	16.411		
6,900.00	6,731.38	6,747.38	6,747.38	34.20	233.83	8.75	58.86	-3,231.77	4,284.19	4,019.83	264.37	16.205		
6,950.00	6,767.02	6,783.02	6,783.02	34.51	235.07	9.01	58.86	-3,231.77	4,249.36	3,983.73	265.63	15.997		
7,000.00	6,799.81	6,815.81	6,815.81	34.85	236.22	9.46	58.86	-3,231.77	4,211.84	3,945.05	266.79	15.787		
7,050.00	6,829.54	6,845.54	6,845.54	35.24	237.26	10.14	58.86	-3,231.77	4,171.86	3,904.04	267.82	15.577		
7,100.00	6,856.03	6,872.03	6,872.03	35.66	238.18	11.11	58.86	-3,231.77	4,129.68	3,860.94	268.74	15.367		
7,150.00	6,879.11	6,904.89	6,895.11	36.12	239.33	12.51	58.86	-3,231.77	4,085.54	3,815.67	269.88	15.139		
7,200.00	6,898.65	6,914.65	6,914.65	36.62	239.67	14.58	58.86	-3,231.77	4,039.73	3,769.53	270.20	14.951		
7,250.00	6,914.51	6,930.51	6,930.51	37.15	240.22	17.81	58.86	-3,231.77	3,992.52	3,721.79	270.74	14.747		
7,300.00	6,926.62	6,942.62	6,942.62	37.73	240.64	23.31	58.86	-3,231.77	3,944.21	3,673.07	271.15	14.546		
7,350.00	6,934.88	6,950.88	6,950.88	38.34	240.93	34.16	58.86	-3,231.77	3,895.10	3,623.68	271.42	14.351		
7,400.00	6,939.26	6,955.26	6,955.26	38.97	241.09	60.05	58.86	-3,231.77	3,845.48	3,573.91	271.57	14.160		
7,429.12	6,940.00	6,956.00	6,956.00	39.34	241.11	88.16	58.86	-3,231.77	3,816.47	3,544.88	271.60	14.052		
7,500.00	6,940.19	6,956.19	6,956.19	40.31	241.12	88.19	58.86	-3,231.77	3,745.84	3,474.23	271.61	13.791		
7,600.00	6,940.46	6,956.46	6,956.46	41.80	241.13	88.24	58.86	-3,231.77	3,646.21	3,374.58	271.63	13.423		
7,700.00	6,940.72	6,956.72	6,956.72	43.43	241.14	88.29	58.86	-3,231.77	3,546.59	3,274.94	271.66	13.055		
7,800.00	6,940.99	6,956.99	6,956.99	45.19	241.15	88.34	58.86	-3,231.77	3,447.00	3,175.31	271.69	12.687		
7,900.00	6,941.25	6,957.25	6,957.25	47.05	241.16	88.39	58.86	-3,231.77	3,347.43	3,075.71	271.72	12.319		
8,000.00	6,941.52	6,957.52	6,957.52	49.02	241.16	88.44	58.86	-3,231.77	3,247.89	2,976.12	271.77	11.951		
8,100.00	6,941.79	6,957.79	6,957.79	51.06	241.17	88.48	58.86	-3,231.77	3,148.37	2,876.55	271.82	11.583		
8,200.00	6,942.05	6,958.05	6,958.05	53.18	241.18	88.53	58.86	-3,231.77	3,048.89	2,777.01	271.88	11.214		
8,300.00	6,942.32	6,958.32	6,958.32	55.37	241.19	88.58	58.86	-3,231.77	2,949.45	2,677.49	271.95	10.845		
8,400.00	6,942.58	6,958.58	6,958.58	57.62	241.20	88.63	58.86	-3,231.77	2,850.04	2,578.00	272.04	10.477		
8,500.00	6,942.85	6,958.85	6,958.85	59.92	241.21	88.68	58.86	-3,231.77	2,750.67	2,478.54	272.14	10.108		
8,600.00	6,943.12	6,959.12	6,959.12	62.26	241.22	88.73	58.86	-3,231.77	2,651.36	2,379.11	272.25	9.739		
8,700.00	6,943.38	6,959.38	6,959.38	64.65	241.23	88.77	58.86	-3,231.77	2,552.09	2,279.71	272.38	9.369		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,959.65	6,959.65	67.08	241.24	88.82	58.86	-3,231.77	2,452.89	2,180.35	272.54	9.000		
8,900.00	6,943.91	6,959.91	6,959.91	69.53	241.25	88.87	58.86	-3,231.77	2,353.75	2,081.03	272.72	8.631		
9,000.00	6,944.18	6,960.18	6,960.18	72.02	241.26	88.92	58.86	-3,231.77	2,254.69	1,981.76	272.93	8.261		
9,100.00	6,944.45	6,960.45	6,960.45	74.54	241.27	88.97	58.86	-3,231.77	2,155.72	1,882.53	273.19	7.891		
9,200.00	6,944.71	6,960.71	6,960.71	77.07	241.28	89.02	58.86	-3,231.77	2,056.85	1,783.36	273.48	7.521		
9,300.00	6,944.98	6,960.98	6,960.98	79.63	241.29	89.06	58.86	-3,231.77	1,958.09	1,684.25	273.83	7.151		
9,400.00	6,945.24	6,961.24	6,961.24	82.21	241.29	89.11	58.86	-3,231.77	1,859.46	1,585.21	274.25	6.780		
9,500.00	6,945.51	6,961.51	6,961.51	84.81	241.30	89.16	58.86	-3,231.77	1,760.98	1,486.24	274.75	6.409		
9,600.00	6,945.78	6,961.78	6,961.78	87.43	241.31	89.21	58.86	-3,231.77	1,662.69	1,387.35	275.35	6.039		
9,700.00	6,946.04	6,962.04	6,962.04	90.05	241.32	89.26	58.86	-3,231.77	1,564.62	1,288.55	276.07	5.667		
9,800.00	6,946.31	6,962.31	6,962.31	92.70	241.33	89.31	58.86	-3,231.77	1,466.81	1,189.86	276.95	5.296		
9,900.00	6,946.57	6,962.57	6,962.57	95.35	241.34	89.36	58.86	-3,231.77	1,369.31	1,091.28	278.02	4.925		
10,000.00	6,946.84	6,962.84	6,962.84	98.02	241.35	89.40	58.86	-3,231.77	1,272.20	992.85	279.35	4.554		
10,100.00	6,947.11	6,963.11	6,963.11	100.70	241.36	89.45	58.86	-3,231.77	1,175.58	894.58	280.99	4.184		
10,200.00	6,947.37	6,963.37	6,963.37	103.38	241.37	89.50	58.86	-3,231.77	1,079.57	796.52	283.05	3.814		
10,300.00	6,947.64	6,963.64	6,963.64	106.08	241.38	89.55	58.86	-3,231.77	984.35	698.70	285.65	3.446		
10,400.00	6,947.90	6,963.90	6,963.90	108.78	241.39	89.60	58.86	-3,231.77	890.19	601.22	288.96	3.081		
10,500.00	6,948.17	6,964.17	6,964.17	111.49	241.40	89.65	58.86	-3,231.77	797.44	504.21	293.23	2.720		
10,600.00	6,948.44	6,964.44	6,964.44	114.21	241.41	89.69	58.86	-3,231.77	706.68	407.90	298.78	2.365		
10,700.00	6,948.70	6,964.70	6,964.70	116.94	241.42	89.74	58.86	-3,231.77	618.77	312.71	306.06	2.022		
10,800.00	6,948.97	6,964.97	6,964.97	119.67	241.42	89.79	58.86	-3,231.77	535.13	219.50	315.63	1.695		
10,900.00	6,949.24	6,965.24	6,965.24	122.41	241.43	89.84	58.86	-3,231.77	458.09	130.04	328.05	1.396 Level 3		
11,000.00	6,949.50	6,965.50	6,965.50	125.15	241.44	89.89	58.86	-3,231.77	391.57	48.21	343.36	1.140 Level 2		
11,100.00	6,949.77	6,965.77	6,965.77	127.90	241.45	89.94	58.86	-3,231.77	341.78	-17.88	359.66	0.950 Level 1		
11,200.00	6,950.03	6,966.03	6,966.03	130.65	241.46	89.98	58.86	-3,231.77	316.70	-54.68	371.38	0.853 Level 1		
11,232.59	6,950.12	6,966.12	6,966.12	131.55	241.46	90.00	58.86	-3,231.77	315.02	-58.00	373.01	0.845 Level 1, CC, ES, SF		
11,300.00	6,950.30	6,966.30	6,966.30	133.41	241.47	90.03	58.86	-3,231.77	322.15	-50.10	372.25	0.865 Level 1		
11,400.00	6,950.57	6,966.57	6,966.57	136.17	241.48	90.08	58.86	-3,231.77	356.74	-6.23	362.97	0.983 Level 1		
11,500.00	6,950.83	6,966.83	6,966.83	138.94	241.49	90.13	58.86	-3,231.77	413.21	63.40	349.81	1.181 Level 2		
11,600.00	6,951.10	6,967.10	6,967.10	141.71	241.50	90.18	58.86	-3,231.77	483.97	146.65	337.32	1.435 Level 3		
11,700.00	6,951.36	6,967.36	6,967.36	144.48	241.51	90.23	58.86	-3,231.77	563.66	236.70	326.95	1.724		
11,800.00	6,951.63	6,967.63	6,967.63	147.26	241.52	90.27	58.86	-3,231.77	648.99	330.27	318.73	2.036		
11,900.00	6,951.90	6,967.90	6,967.90	150.03	241.53	90.32	58.86	-3,231.77	738.02	425.77	312.25	2.364		
12,000.00	6,952.16	6,968.16	6,968.16	152.82	241.54	90.37	58.86	-3,231.77	829.55	522.42	307.13	2.701		
12,100.00	6,952.43	6,968.43	6,968.43	155.60	241.55	90.42	58.86	-3,231.77	922.84	619.81	303.03	3.045		
12,200.00	6,952.69	6,968.69	6,968.69	158.39	241.55	90.47	58.86	-3,231.77	1,017.41	717.69	299.72	3.395		
12,300.00	6,952.96	6,968.96	6,968.96	161.18	241.56	90.52	58.86	-3,231.77	1,112.92	815.92	297.00	3.747		
12,400.00	6,953.23	6,969.23	6,969.23	163.97	241.57	90.56	58.86	-3,231.77	1,209.17	914.41	294.76	4.102		
12,500.00	6,953.49	6,969.49	6,969.49	166.77	241.58	90.61	58.86	-3,231.77	1,305.97	1,013.09	292.88	4.459		
12,600.00	6,953.76	6,969.76	6,969.76	169.56	241.59	90.66	58.86	-3,231.77	1,403.23	1,111.93	291.30	4.817		
12,700.00	6,954.02	6,970.02	6,970.02	172.36	241.60	90.71	58.86	-3,231.77	1,500.84	1,210.89	289.95	5.176		
12,800.00	6,954.29	6,970.29	6,970.29	175.16	241.61	90.76	58.86	-3,231.77	1,598.75	1,309.95	288.80	5.536		
12,900.00	6,954.56	6,970.56	6,970.56	177.97	241.62	90.81	58.86	-3,231.77	1,696.90	1,409.10	287.80	5.896		
13,000.00	6,954.82	6,970.82	6,970.82	180.77	241.63	90.86	58.86	-3,231.77	1,795.26	1,508.32	286.94	6.257		
13,100.00	6,955.09	6,971.09	6,971.09	183.58	241.64	90.90	58.86	-3,231.77	1,893.79	1,607.60	286.19	6.617		
13,200.00	6,955.35	6,971.35	6,971.35	186.38	241.65	90.95	58.86	-3,231.77	1,992.47	1,706.94	285.53	6.978		
13,300.00	6,955.62	6,971.62	6,971.62	189.19	241.66	91.00	58.86	-3,231.77	2,091.27	1,806.32	284.95	7.339		
13,400.00	6,955.89	6,971.89	6,971.89	192.00	241.67	91.05	58.86	-3,231.77	2,190.18	1,905.74	284.44	7.700		
13,500.00	6,956.15	6,972.15	6,972.15	194.82	241.68	91.10	58.86	-3,231.77	2,289.18	2,005.19	283.99	8.061		
13,600.00	6,956.42	6,972.42	6,972.42	197.63	241.68	91.15	58.86	-3,231.77	2,388.27	2,104.68	283.59	8.422		
13,700.00	6,956.68	6,972.68	6,972.68	200.44	241.69	91.19	58.86	-3,231.77	2,487.43	2,204.20	283.23	8.782		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,972.95	6,972.95	203.26	241.70	91.24	58.86	-3,231.77	2,586.66	2,303.74	282.92	9.143		
13,900.00	6,957.22	6,973.22	6,973.22	206.08	241.71	91.29	58.86	-3,231.77	2,685.94	2,403.31	282.64	9.503		
14,000.00	6,957.48	6,973.48	6,973.48	208.89	241.72	91.34	58.86	-3,231.77	2,785.28	2,502.89	282.38	9.863		
14,100.00	6,957.75	6,973.75	6,973.75	211.71	241.73	91.39	58.86	-3,231.77	2,884.66	2,602.50	282.16	10.223		
14,200.00	6,958.02	6,974.02	6,974.02	214.53	241.74	91.44	58.86	-3,231.77	2,984.08	2,702.12	281.96	10.583		
14,300.00	6,958.28	6,974.28	6,974.28	217.36	241.75	91.48	58.86	-3,231.77	3,083.54	2,801.75	281.78	10.943		
14,400.00	6,958.55	6,974.55	6,974.55	220.18	241.76	91.53	58.86	-3,231.77	3,183.03	2,901.41	281.62	11.302		
14,500.00	6,958.81	6,974.81	6,974.81	223.00	241.77	91.58	58.86	-3,231.77	3,282.55	3,001.07	281.48	11.662		
14,600.00	6,959.08	6,975.08	6,975.08	225.83	241.78	91.63	58.86	-3,231.77	3,382.10	3,100.75	281.36	12.021		
14,700.00	6,959.35	6,975.35	6,975.35	228.65	241.79	91.68	58.86	-3,231.77	3,481.68	3,200.43	281.25	12.379		
14,800.00	6,959.61	6,975.61	6,975.61	231.48	241.80	91.73	58.86	-3,231.77	3,581.28	3,300.13	281.15	12.738		
14,900.00	6,959.88	6,975.88	6,975.88	234.30	241.81	91.77	58.86	-3,231.77	3,680.91	3,399.84	281.07	13.096		
15,000.00	6,960.14	6,976.14	6,976.14	237.13	241.81	91.82	58.86	-3,231.77	3,780.55	3,499.56	280.99	13.454		
15,100.00	6,960.41	6,976.41	6,976.41	239.96	241.82	91.87	58.86	-3,231.77	3,880.21	3,599.28	280.93	13.812		
15,200.00	6,960.68	6,976.68	6,976.68	242.79	241.83	91.92	58.86	-3,231.77	3,979.89	3,699.01	280.88	14.170		
15,300.00	6,960.94	6,976.94	6,976.94	245.62	241.84	91.97	58.86	-3,231.77	4,079.58	3,798.75	280.83	14.527		
15,400.00	6,961.21	6,977.21	6,977.21	248.45	241.85	92.02	58.86	-3,231.77	4,179.29	3,898.49	280.79	14.884		
15,500.00	6,961.47	6,977.47	6,977.47	251.28	241.86	92.06	58.86	-3,231.77	4,279.01	3,998.24	280.77	15.241		
15,600.00	6,961.74	6,977.74	6,977.74	254.11	241.87	92.11	58.86	-3,231.77	4,378.74	4,098.00	280.74	15.597		
15,700.00	6,962.01	6,978.01	6,978.01	256.94	241.88	92.16	58.86	-3,231.77	4,478.49	4,197.76	280.73	15.953		
15,800.00	6,962.27	6,978.27	6,978.27	259.77	241.89	92.21	58.86	-3,231.77	4,578.25	4,297.53	280.72	16.309		
15,900.00	6,962.54	6,978.54	6,978.54	262.61	241.90	92.26	58.86	-3,231.77	4,678.02	4,397.30	280.72	16.665		
16,000.00	6,962.80	6,978.80	6,978.80	265.44	241.91	92.31	58.86	-3,231.77	4,777.79	4,497.08	280.72	17.020		
16,100.00	6,963.07	6,979.07	6,979.07	268.28	241.92	92.35	58.86	-3,231.77	4,877.58	4,596.85	280.73	17.375		
16,200.00	6,963.34	6,979.34	6,979.34	271.11	241.93	92.40	58.86	-3,231.77	4,977.38	4,696.64	280.74	17.730		
16,300.00	6,963.60	6,979.60	6,979.60	273.95	241.94	92.45	58.86	-3,231.77	5,077.18	4,796.42	280.75	18.084		
16,400.00	6,963.87	6,979.87	6,979.87	276.78	241.94	92.50	58.86	-3,231.77	5,176.99	4,896.21	280.77	18.438		
16,500.00	6,964.13	6,980.13	6,980.13	279.62	241.95	92.55	58.86	-3,231.77	5,276.81	4,996.01	280.80	18.792		
16,600.00	6,964.40	6,980.40	6,980.40	282.46	241.96	92.60	58.86	-3,231.77	5,376.63	5,095.80	280.83	19.146		
16,700.00	6,964.67	6,980.67	6,980.67	285.29	241.97	92.64	58.86	-3,231.77	5,476.46	5,195.60	280.86	19.499		
16,800.00	6,964.93	6,980.93	6,980.93	288.13	241.98	92.69	58.86	-3,231.77	5,576.30	5,295.40	280.90	19.852		
16,900.00	6,965.20	6,981.20	6,981.20	290.97	241.99	92.74	58.86	-3,231.77	5,676.14	5,395.21	280.94	20.204		
17,000.00	6,965.46	6,981.46	6,981.46	293.81	242.00	92.79	58.86	-3,231.77	5,775.99	5,495.01	280.98	20.557		
17,100.00	6,965.73	6,981.73	6,981.73	296.65	242.01	92.84	58.86	-3,231.77	5,875.84	5,594.82	281.02	20.909		
17,200.00	6,966.00	6,982.00	6,982.00	299.49	242.02	92.89	58.86	-3,231.77	5,975.70	5,694.63	281.07	21.260		
17,300.00	6,966.26	6,982.26	6,982.26	302.32	242.03	92.93	58.86	-3,231.77	6,075.56	5,794.44	281.12	21.612		
17,400.00	6,966.53	6,982.53	6,982.53	305.16	242.04	92.98	58.86	-3,231.77	6,175.43	5,894.26	281.18	21.963		
17,500.00	6,966.80	6,982.80	6,982.80	308.00	242.05	93.03	58.86	-3,231.77	6,275.30	5,994.07	281.23	22.314		
17,600.00	6,967.06	6,983.06	6,983.06	310.85	242.06	93.08	58.86	-3,231.77	6,375.18	6,093.89	281.29	22.664		
17,700.00	6,967.33	6,983.33	6,983.33	313.69	242.07	93.13	58.86	-3,231.77	6,475.06	6,193.71	281.35	23.014		
17,800.00	6,967.59	6,983.59	6,983.59	316.53	242.07	93.17	58.86	-3,231.77	6,574.94	6,293.53	281.42	23.364		
17,900.00	6,967.86	6,983.86	6,983.86	319.37	242.08	93.22	58.86	-3,231.77	6,674.83	6,393.35	281.48	23.713		
18,000.00	6,968.13	6,984.13	6,984.13	322.21	242.09	93.27	58.86	-3,231.77	6,774.72	6,493.17	281.55	24.062		
18,100.00	6,968.39	6,984.39	6,984.39	325.05	242.10	93.32	58.86	-3,231.77	6,874.61	6,592.99	281.62	24.411		
18,200.00	6,968.66	6,984.66	6,984.66	327.90	242.11	93.37	58.86	-3,231.77	6,974.51	6,692.82	281.69	24.759		
18,300.00	6,968.92	6,984.92	6,984.92	330.74	242.12	93.42	58.86	-3,231.77	7,074.41	6,792.64	281.76	25.107		
18,400.00	6,969.19	6,985.19	6,985.19	333.58	242.13	93.46	58.86	-3,231.77	7,174.31	6,892.47	281.84	25.455		
18,500.00	6,969.46	6,985.46	6,985.46	336.43	242.14	93.51	58.86	-3,231.77	7,274.21	6,992.30	281.92	25.803		
18,600.00	6,969.72	6,985.72	6,985.72	339.27	242.15	93.56	58.86	-3,231.77	7,374.12	7,092.12	282.00	26.150		
18,704.56	6,970.00	6,986.00	6,986.00	342.24	242.16	93.61	58.86	-3,231.77	7,478.59	7,196.50	282.08	26.512		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	2.00	-2.00	3.28	3.28	-110.93	-1,118.25	-2,924.05	3,130.58					
100.00	100.00	102.00	98.00	3.28	3.75	-110.93	-1,118.25	-2,924.05	3,130.58	3,123.55	7.03	445.094		
200.00	200.00	202.00	198.00	3.34	6.24	-110.93	-1,118.25	-2,924.05	3,130.58	3,121.01	9.58	326.945		
300.00	299.98	302.02	297.98	3.44	9.39	149.07	-1,118.25	-2,924.05	3,132.08	3,119.25	12.83	244.087		
400.00	399.84	402.16	397.84	3.60	12.72	149.08	-1,118.25	-2,924.05	3,136.57	3,120.25	16.32	192.166		
500.00	499.45	502.55	497.45	3.80	16.14	149.08	-1,118.25	-2,924.05	3,144.06	3,124.12	19.94	157.694		
600.00	598.70	603.30	596.70	4.05	19.59	149.09	-1,118.25	-2,924.05	3,154.53	3,130.89	23.64	133.434		
700.00	697.47	704.53	695.47	4.33	23.08	149.09	-1,118.25	-2,924.05	3,168.00	3,140.58	27.42	115.547		
803.50	799.05	802.95	797.05	4.67	26.49	149.10	-1,118.25	-2,924.05	3,185.08	3,153.93	31.15	102.244		
900.00	893.41	908.59	891.41	5.02	30.15	149.28	-1,118.25	-2,924.05	3,202.51	3,167.36	35.14	91.124		
1,000.00	991.20	989.20	989.20	5.41	32.95	149.47	-1,118.25	-2,924.05	3,220.61	3,182.30	38.30	84.084		
1,100.00	1,088.99	1,086.99	1,086.99	5.81	36.35	149.66	-1,118.25	-2,924.05	3,238.74	3,196.66	42.08	76.971		
1,200.00	1,186.78	1,184.78	1,184.78	6.23	39.75	149.84	-1,118.25	-2,924.05	3,256.90	3,211.03	45.87	71.003		
1,300.00	1,284.57	1,282.57	1,282.57	6.67	43.15	150.02	-1,118.25	-2,924.05	3,275.10	3,225.42	49.68	65.928		
1,400.00	1,382.36	1,380.36	1,380.36	7.12	46.56	150.20	-1,118.25	-2,924.05	3,293.33	3,239.83	53.49	61.564		
1,500.00	1,480.15	1,478.15	1,478.15	7.57	49.96	150.38	-1,118.25	-2,924.05	3,311.59	3,254.27	57.32	57.772		
1,600.00	1,577.94	1,575.94	1,575.94	8.03	53.37	150.56	-1,118.25	-2,924.05	3,329.88	3,268.72	61.16	54.449		
1,700.00	1,675.73	1,673.73	1,673.73	8.50	56.78	150.73	-1,118.25	-2,924.05	3,348.20	3,283.20	65.00	51.513		
1,800.00	1,773.52	1,771.52	1,771.52	8.98	60.19	150.91	-1,118.25	-2,924.05	3,366.56	3,297.71	68.84	48.901		
1,900.00	1,871.31	1,869.31	1,869.31	9.45	63.60	151.08	-1,118.25	-2,924.05	3,384.94	3,312.24	72.70	46.563		
2,000.00	1,969.10	1,967.10	1,967.10	9.94	67.01	151.25	-1,118.25	-2,924.05	3,403.35	3,326.80	76.55	44.459		
2,100.00	2,066.88	2,064.88	2,064.88	10.42	70.42	151.42	-1,118.25	-2,924.05	3,421.79	3,341.38	80.41	42.555		
2,200.00	2,164.67	2,162.67	2,162.67	10.91	73.83	151.58	-1,118.25	-2,924.05	3,440.26	3,355.99	84.27	40.824		
2,300.00	2,262.46	2,260.46	2,260.46	11.40	77.24	151.75	-1,118.25	-2,924.05	3,458.75	3,370.62	88.13	39.244		
2,400.00	2,360.25	2,358.25	2,358.25	11.89	80.65	151.91	-1,118.25	-2,924.05	3,477.28	3,385.28	92.00	37.796		
2,500.00	2,458.04	2,456.04	2,456.04	12.39	84.06	152.07	-1,118.25	-2,924.05	3,495.83	3,399.96	95.87	36.465		
2,600.00	2,555.83	2,553.83	2,553.83	12.88	87.47	152.23	-1,118.25	-2,924.05	3,514.41	3,414.67	99.74	35.236		
2,700.00	2,653.62	2,651.62	2,651.62	13.38	90.88	152.39	-1,118.25	-2,924.05	3,533.01	3,429.40	103.61	34.099		
2,800.00	2,751.41	2,749.41	2,749.41	13.88	94.29	152.54	-1,118.25	-2,924.05	3,551.64	3,444.16	107.48	33.044		
2,900.00	2,849.20	2,847.20	2,847.20	14.38	97.71	152.69	-1,118.25	-2,924.05	3,570.29	3,458.94	111.35	32.062		
3,000.00	2,946.99	2,944.99	2,944.99	14.88	101.12	152.85	-1,118.25	-2,924.05	3,588.97	3,473.74	115.23	31.146		
3,100.00	3,044.78	3,042.78	3,042.78	15.38	104.53	153.00	-1,118.25	-2,924.05	3,607.68	3,488.57	119.10	30.290		
3,200.00	3,142.57	3,140.57	3,140.57	15.89	107.94	153.15	-1,118.25	-2,924.05	3,626.40	3,503.42	122.98	29.488		
3,300.00	3,240.36	3,238.36	3,238.36	16.39	111.35	153.30	-1,118.25	-2,924.05	3,645.16	3,518.30	126.86	28.734		
3,400.00	3,338.15	3,336.15	3,336.15	16.89	114.77	153.44	-1,118.25	-2,924.05	3,663.93	3,533.20	130.73	28.026		
3,500.00	3,435.93	3,433.93	3,433.93	17.40	118.18	153.59	-1,118.25	-2,924.05	3,682.73	3,548.12	134.61	27.358		
3,600.00	3,533.72	3,531.72	3,531.72	17.90	121.59	153.73	-1,118.25	-2,924.05	3,701.55	3,563.06	138.49	26.728		
3,700.00	3,631.51	3,629.51	3,629.51	18.41	125.00	153.87	-1,118.25	-2,924.05	3,720.39	3,578.02	142.37	26.132		
3,800.00	3,729.30	3,727.30	3,727.30	18.92	128.42	154.01	-1,118.25	-2,924.05	3,739.26	3,593.01	146.25	25.568		
3,900.00	3,827.09	3,825.09	3,825.09	19.42	131.83	154.15	-1,118.25	-2,924.05	3,758.14	3,608.01	150.13	25.033		
4,000.00	3,924.88	3,922.88	3,922.88	19.93	135.24	154.29	-1,118.25	-2,924.05	3,777.05	3,623.04	154.01	24.525		
4,100.00	4,022.67	4,020.67	4,020.67	20.44	138.66	154.43	-1,118.25	-2,924.05	3,795.98	3,638.09	157.89	24.042		
4,200.00	4,120.46	4,118.46	4,118.46	20.95	142.07	154.56	-1,118.25	-2,924.05	3,814.93	3,653.16	161.77	23.582		
4,300.00	4,218.25	4,216.25	4,216.25	21.46	145.48	154.69	-1,118.25	-2,924.05	3,833.90	3,668.25	165.65	23.145		
4,400.00	4,316.04	4,314.04	4,314.04	21.97	148.89	154.83	-1,118.25	-2,924.05	3,852.89	3,683.36	169.53	22.727		
4,500.00	4,413.83	4,411.83	4,411.83	22.48	152.31	154.96	-1,118.25	-2,924.05	3,871.90	3,698.49	173.41	22.328		
4,600.00	4,511.62	4,509.62	4,509.62	22.99	155.72	155.09	-1,118.25	-2,924.05	3,890.93	3,713.63	177.29	21.946		
4,700.00	4,609.41	4,607.41	4,607.41	23.50	159.13	155.22	-1,118.25	-2,924.05	3,909.98	3,728.80	181.18	21.581		
4,800.00	4,707.20	4,705.20	4,705.20	24.01	162.55	155.34	-1,118.25	-2,924.05	3,929.04	3,743.99	185.06	21.232		
4,900.00	4,804.98	4,802.98	4,802.98	24.52	165.96	155.47	-1,118.25	-2,924.05	3,948.13	3,759.19	188.94	20.896		
5,000.00	4,902.77	4,900.77	4,900.77	25.03	169.37	155.59	-1,118.25	-2,924.05	3,967.23	3,774.41	192.82	20.575		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,001.44	4,998.56	25.54	172.89	155.72	-1,118.25	-2,924.05	3,986.36	3,789.55	196.80	20.256			
5,200.00	5,098.35	5,103.65	5,096.35	26.05	176.45	155.84	-1,118.25	-2,924.05	4,005.50	3,804.66	200.84	19.944			
5,300.00	5,196.14	5,205.86	5,194.14	26.56	180.02	155.96	-1,118.25	-2,924.05	4,024.66	3,819.78	204.88	19.644			
5,400.00	5,293.93	5,308.07	5,291.93	27.07	183.59	156.08	-1,118.25	-2,924.05	4,043.83	3,834.92	208.91	19.357			
5,500.00	5,391.72	5,389.72	5,389.72	27.58	186.44	156.20	-1,118.25	-2,924.05	4,063.02	3,850.79	212.23	19.144			
5,600.00	5,489.51	5,487.51	5,487.51	28.09	189.85	156.32	-1,118.25	-2,924.05	4,082.23	3,866.12	216.11	18.889			
5,700.00	5,587.30	5,585.30	5,585.30	28.61	193.27	156.44	-1,118.25	-2,924.05	4,101.46	3,881.46	220.00	18.643			
5,800.00	5,685.09	5,683.09	5,683.09	29.12	196.68	156.55	-1,118.25	-2,924.05	4,120.70	3,896.82	223.88	18.406			
5,900.00	5,782.88	5,780.88	5,780.88	29.63	200.09	156.67	-1,118.25	-2,924.05	4,139.96	3,912.20	227.76	18.177			
6,000.00	5,880.67	5,878.67	5,878.67	30.14	203.51	156.78	-1,118.25	-2,924.05	4,159.24	3,927.59	231.64	17.955			
6,100.00	5,978.46	5,976.46	5,976.46	30.65	206.92	156.89	-1,118.25	-2,924.05	4,178.53	3,943.00	235.53	17.741			
6,200.00	6,076.25	6,074.25	6,074.25	31.17	210.33	157.00	-1,118.25	-2,924.05	4,197.83	3,958.42	239.41	17.534			
6,298.86	6,172.92	6,170.92	6,170.92	31.67	213.71	157.11	-1,118.25	-2,924.05	4,216.93	3,973.68	243.25	17.336			
6,300.00	6,174.03	6,172.03	6,172.03	31.68	213.75	157.03	-1,118.25	-2,924.05	4,217.15	3,973.86	243.29	17.334			
6,350.00	6,223.30	6,221.30	6,221.30	31.92	215.47	151.09	-1,118.25	-2,924.05	4,224.84	3,979.60	245.24	17.227			
6,400.00	6,273.06	6,271.06	6,271.06	32.13	217.20	129.80	-1,118.25	-2,924.05	4,228.72	3,981.53	247.19	17.107			
6,450.00	6,323.01	6,321.01	6,321.01	32.32	218.95	39.41	-1,118.25	-2,924.05	4,228.77	3,979.65	249.12	16.975			
6,500.00	6,372.84	6,370.84	6,370.84	32.48	220.69	7.10	-1,118.25	-2,924.05	4,224.99	3,973.96	251.03	16.831			
6,550.00	6,422.24	6,420.24	6,420.24	32.65	222.41	-0.80	-1,118.25	-2,924.05	4,217.39	3,964.49	252.90	16.676			
6,600.00	6,470.92	6,468.92	6,468.92	32.83	224.11	-4.33	-1,118.25	-2,924.05	4,206.03	3,951.30	254.73	16.512			
6,650.00	6,518.56	6,516.56	6,516.56	33.01	225.77	-6.47	-1,118.25	-2,924.05	4,190.97	3,934.46	256.52	16.338			
6,700.00	6,564.89	6,562.89	6,562.89	33.21	227.39	-8.04	-1,118.25	-2,924.05	4,172.31	3,914.07	258.24	16.157			
6,750.00	6,609.60	6,607.60	6,607.60	33.43	228.95	-9.38	-1,118.25	-2,924.05	4,150.17	3,890.28	259.89	15.969			
6,800.00	6,652.43	6,650.43	6,650.43	33.66	230.44	-10.65	-1,118.25	-2,924.05	4,124.68	3,863.22	261.47	15.775			
6,850.00	6,693.10	6,708.90	6,691.10	33.91	232.49	-11.96	-1,118.25	-2,924.05	4,096.01	3,832.43	263.58	15.540			
6,900.00	6,731.38	6,729.38	6,729.38	34.20	233.20	-13.39	-1,118.25	-2,924.05	4,064.32	3,799.98	264.35	15.375			
6,950.00	6,767.02	6,765.02	6,765.02	34.51	234.44	-15.04	-1,118.25	-2,924.05	4,029.83	3,764.19	265.64	15.170			
7,000.00	6,799.81	6,802.19	6,797.81	34.85	235.74	-16.99	-1,118.25	-2,924.05	3,992.75	3,725.77	266.98	14.955			
7,050.00	6,829.54	6,827.54	6,827.54	35.24	236.63	-19.39	-1,118.25	-2,924.05	3,953.30	3,685.40	267.90	14.757			
7,100.00	6,856.03	6,854.03	6,854.03	35.66	237.55	-22.40	-1,118.25	-2,924.05	3,911.74	3,642.88	268.86	14.549			
7,150.00	6,879.11	6,877.11	6,877.11	36.12	238.36	-26.31	-1,118.25	-2,924.05	3,868.33	3,598.63	269.70	14.343			
7,200.00	6,898.65	6,903.35	6,896.65	36.62	239.27	-31.50	-1,118.25	-2,924.05	3,823.34	3,552.69	270.65	14.127			
7,250.00	6,914.51	6,912.51	6,912.51	37.15	239.59	-38.60	-1,118.25	-2,924.05	3,777.05	3,506.05	271.00	13.937			
7,300.00	6,926.62	6,924.62	6,924.62	37.73	240.02	-48.42	-1,118.25	-2,924.05	3,729.75	3,458.28	271.47	13.739			
7,350.00	6,934.88	6,932.88	6,932.88	38.34	240.30	-61.83	-1,118.25	-2,924.05	3,681.74	3,409.93	271.81	13.545			
7,400.00	6,939.26	6,937.26	6,937.26	38.97	240.46	-78.74	-1,118.25	-2,924.05	3,633.31	3,361.29	272.02	13.357			
7,429.12	6,940.00	6,938.00	6,938.00	39.34	240.48	-89.38	-1,118.25	-2,924.05	3,605.04	3,332.95	272.08	13.250			
7,500.00	6,940.19	6,938.19	6,938.19	40.31	240.49	-89.39	-1,118.25	-2,924.05	3,536.26	3,264.06	272.20	12.992			
7,600.00	6,940.46	6,938.46	6,938.46	41.80	240.50	-89.41	-1,118.25	-2,924.05	3,439.37	3,166.99	272.38	12.627			
7,700.00	6,940.72	6,938.72	6,938.72	43.43	240.51	-89.43	-1,118.25	-2,924.05	3,342.67	3,070.06	272.61	12.262			
7,800.00	6,940.99	6,938.99	6,938.99	45.19	240.52	-89.45	-1,118.25	-2,924.05	3,246.16	2,973.29	272.87	11.896			
7,900.00	6,941.25	6,939.25	6,939.25	47.05	240.53	-89.47	-1,118.25	-2,924.05	3,149.88	2,876.70	273.18	11.531			
8,000.00	6,941.52	6,939.52	6,939.52	49.02	240.54	-89.48	-1,118.25	-2,924.05	3,053.83	2,780.29	273.54	11.164			
8,100.00	6,941.79	6,939.79	6,939.79	51.06	240.55	-89.50	-1,118.25	-2,924.05	2,958.04	2,684.09	273.95	10.798			
8,200.00	6,942.05	6,940.05	6,940.05	53.18	240.55	-89.52	-1,118.25	-2,924.05	2,862.54	2,588.11	274.44	10.431			
8,300.00	6,942.32	6,940.32	6,940.32	55.37	240.56	-89.54	-1,118.25	-2,924.05	2,767.36	2,492.37	274.99	10.063			
8,400.00	6,942.58	6,940.58	6,940.58	57.62	240.57	-89.55	-1,118.25	-2,924.05	2,672.54	2,396.90	275.63	9.696			
8,500.00	6,942.85	6,940.85	6,940.85	59.92	240.58	-89.57	-1,118.25	-2,924.05	2,578.10	2,301.73	276.37	9.328			
8,600.00	6,943.12	6,941.12	6,941.12	62.26	240.59	-89.59	-1,118.25	-2,924.05	2,484.10	2,206.89	277.21	8.961			
8,700.00	6,943.38	6,941.38	6,941.38	64.65	240.60	-89.61	-1,118.25	-2,924.05	2,390.58	2,112.41	278.17	8.594			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,800.00	6,943.65	6,941.65	6,941.65	67.08	240.61	-89.62	-1,118.25	-2,924.05	2,297.61	2,018.34	279.27	8.227			
8,900.00	6,943.91	6,941.91	6,941.91	69.53	240.62	-89.64	-1,118.25	-2,924.05	2,205.26	1,924.74	280.52	7.861			
9,000.00	6,944.18	6,942.18	6,942.18	72.02	240.63	-89.66	-1,118.25	-2,924.05	2,113.60	1,831.65	281.95	7.496			
9,100.00	6,944.45	6,942.45	6,942.45	74.54	240.64	-89.68	-1,118.25	-2,924.05	2,022.74	1,739.16	283.57	7.133			
9,200.00	6,944.71	6,942.71	6,942.71	77.07	240.65	-89.69	-1,118.25	-2,924.05	1,932.77	1,647.36	285.41	6.772			
9,300.00	6,944.98	6,942.98	6,942.98	79.63	240.66	-89.71	-1,118.25	-2,924.05	1,843.84	1,556.34	287.50	6.413			
9,400.00	6,945.24	6,943.24	6,943.24	82.21	240.67	-89.73	-1,118.25	-2,924.05	1,756.10	1,466.24	289.86	6.058			
9,500.00	6,945.51	6,943.51	6,943.51	84.81	240.68	-89.75	-1,118.25	-2,924.05	1,669.74	1,377.21	292.54	5.708			
9,600.00	6,945.78	6,943.78	6,943.78	87.43	240.68	-89.77	-1,118.25	-2,924.05	1,584.99	1,289.43	295.55	5.363			
9,700.00	6,946.04	6,944.04	6,944.04	90.05	240.69	-89.78	-1,118.25	-2,924.05	1,502.11	1,203.15	298.95	5.025			
9,800.00	6,946.31	6,944.31	6,944.31	92.70	240.70	-89.80	-1,118.25	-2,924.05	1,421.43	1,118.66	302.77	4.695			
9,900.00	6,946.57	6,944.57	6,944.57	95.35	240.71	-89.82	-1,118.25	-2,924.05	1,343.36	1,036.32	307.04	4.375			
10,000.00	6,946.84	6,944.84	6,944.84	98.02	240.72	-89.84	-1,118.25	-2,924.05	1,268.37	956.58	311.78	4.068			
10,100.00	6,947.11	6,945.11	6,945.11	100.70	240.73	-89.85	-1,118.25	-2,924.05	1,197.04	880.01	317.02	3.776			
10,200.00	6,947.37	6,945.37	6,945.37	103.38	240.74	-89.87	-1,118.25	-2,924.05	1,130.06	807.32	322.74	3.501			
10,300.00	6,947.64	6,945.64	6,945.64	106.08	240.75	-89.89	-1,118.25	-2,924.05	1,068.26	739.38	328.88	3.248			
10,400.00	6,947.90	6,945.90	6,945.90	108.78	240.76	-89.91	-1,118.25	-2,924.05	1,012.58	677.25	335.33	3.020			
10,500.00	6,948.17	6,946.17	6,946.17	111.49	240.77	-89.92	-1,118.25	-2,924.05	964.09	622.18	341.92	2.820			
10,600.00	6,948.44	6,946.44	6,946.44	114.21	240.78	-89.94	-1,118.25	-2,924.05	923.91	575.56	348.35	2.652			
10,700.00	6,948.70	6,946.70	6,946.70	116.94	240.79	-89.96	-1,118.25	-2,924.05	893.17	538.88	354.29	2.521			
10,800.00	6,948.97	6,946.97	6,946.97	119.67	240.80	-89.98	-1,118.25	-2,924.05	872.87	513.51	359.35	2.429			
10,900.00	6,949.24	6,947.24	6,947.24	122.41	240.81	-89.99	-1,118.25	-2,924.05	863.74	500.56	363.17	2.378			
10,929.29	6,949.31	6,947.31	6,947.31	123.21	240.81	-90.00	-1,118.25	-2,924.05	863.24	499.22	364.02	2.371 CC, ES			
11,000.00	6,949.50	6,947.50	6,947.50	125.15	240.81	-90.01	-1,118.25	-2,924.05	866.13	500.62	365.51	2.370 SF			
11,100.00	6,949.77	6,947.77	6,947.77	127.90	240.82	-90.03	-1,118.25	-2,924.05	879.96	513.67	366.29	2.402			
11,200.00	6,950.03	6,948.03	6,948.03	130.65	240.83	-90.05	-1,118.25	-2,924.05	904.69	539.07	365.62	2.474			
11,300.00	6,950.30	6,948.30	6,948.30	133.41	240.84	-90.07	-1,118.25	-2,924.05	939.47	575.72	363.75	2.583			
11,400.00	6,950.57	6,948.57	6,948.57	136.17	240.85	-90.08	-1,118.25	-2,924.05	983.23	622.24	360.99	2.724			
11,500.00	6,950.83	6,948.83	6,948.83	138.94	240.86	-90.10	-1,118.25	-2,924.05	1,034.84	677.19	357.64	2.893			
11,600.00	6,951.10	6,949.10	6,949.10	141.71	240.87	-90.12	-1,118.25	-2,924.05	1,093.17	739.19	353.98	3.088			
11,700.00	6,951.36	6,949.36	6,949.36	144.48	240.88	-90.14	-1,118.25	-2,924.05	1,157.22	807.02	350.21	3.304			
11,800.00	6,951.63	6,949.63	6,949.63	147.26	240.89	-90.15	-1,118.25	-2,924.05	1,226.09	879.63	346.46	3.539			
11,900.00	6,951.90	6,949.90	6,949.90	150.03	240.90	-90.17	-1,118.25	-2,924.05	1,299.02	956.18	342.84	3.789			
12,000.00	6,952.16	6,950.16	6,950.16	152.82	240.91	-90.19	-1,118.25	-2,924.05	1,375.35	1,035.94	339.41	4.052			
12,100.00	6,952.43	6,950.43	6,950.43	155.60	240.92	-90.21	-1,118.25	-2,924.05	1,454.55	1,118.37	336.18	4.327			
12,200.00	6,952.69	6,950.69	6,950.69	158.39	240.93	-90.22	-1,118.25	-2,924.05	1,536.19	1,203.01	333.18	4.611			
12,300.00	6,952.96	6,950.96	6,950.96	161.18	240.94	-90.24	-1,118.25	-2,924.05	1,619.88	1,289.49	330.39	4.903			
12,400.00	6,953.23	6,951.23	6,951.23	163.97	240.94	-90.26	-1,118.25	-2,924.05	1,705.33	1,377.51	327.82	5.202			
12,500.00	6,953.49	6,951.49	6,951.49	166.77	240.95	-90.28	-1,118.25	-2,924.05	1,792.29	1,466.84	325.45	5.507			
12,600.00	6,953.76	6,951.76	6,951.76	169.56	240.96	-90.30	-1,118.25	-2,924.05	1,880.54	1,557.28	323.26	5.817			
12,700.00	6,954.02	6,952.02	6,952.02	172.36	240.97	-90.31	-1,118.25	-2,924.05	1,969.92	1,648.67	321.25	6.132			
12,800.00	6,954.29	6,952.29	6,952.29	175.16	240.98	-90.33	-1,118.25	-2,924.05	2,060.27	1,740.88	319.39	6.451			
12,900.00	6,954.56	6,952.56	6,952.56	177.97	240.99	-90.35	-1,118.25	-2,924.05	2,151.48	1,833.80	317.68	6.773			
13,000.00	6,954.82	6,952.82	6,952.82	180.77	241.00	-90.37	-1,118.25	-2,924.05	2,243.43	1,927.34	316.09	7.097			
13,100.00	6,955.09	6,953.09	6,953.09	183.58	241.01	-90.38	-1,118.25	-2,924.05	2,336.05	2,021.42	314.63	7.425			
13,200.00	6,955.35	6,953.35	6,953.35	186.38	241.02	-90.40	-1,118.25	-2,924.05	2,429.25	2,115.98	313.27	7.754			
13,300.00	6,955.62	6,953.62	6,953.62	189.19	241.03	-90.42	-1,118.25	-2,924.05	2,522.97	2,210.96	312.02	8.086			
13,400.00	6,955.89	6,953.89	6,953.89	192.00	241.04	-90.44	-1,118.25	-2,924.05	2,617.16	2,306.31	310.85	8.419			
13,500.00	6,956.15	6,954.15	6,954.15	194.82	241.05	-90.45	-1,118.25	-2,924.05	2,711.77	2,402.00	309.77	8.754			
13,600.00	6,956.42	6,954.42	6,954.42	197.63	241.06	-90.47	-1,118.25	-2,924.05	2,806.74	2,497.98	308.76	9.090			
13,700.00	6,956.68	6,954.68	6,954.68	200.44	241.07	-90.49	-1,118.25	-2,924.05	2,902.06	2,594.24	307.82	9.428			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #11-14(PR) - 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		
13,800.00	6,956.95	6,954.95	6,954.95	203.26	241.07	-90.51	-1,118.25	-2,924.05	2,997.68	2,690.74	306.94	9.766		
13,900.00	6,957.22	6,955.22	6,955.22	206.08	241.08	-90.52	-1,118.25	-2,924.05	3,093.58	2,787.45	306.13	10.106		
14,000.00	6,957.48	6,955.48	6,955.48	208.89	241.09	-90.54	-1,118.25	-2,924.05	3,189.73	2,884.37	305.36	10.446		
14,100.00	6,957.75	6,955.75	6,955.75	211.71	241.10	-90.56	-1,118.25	-2,924.05	3,286.11	2,981.46	304.64	10.787		
14,200.00	6,958.02	6,956.02	6,956.02	214.53	241.11	-90.58	-1,118.25	-2,924.05	3,382.70	3,078.72	303.97	11.128		
14,300.00	6,958.28	6,956.28	6,956.28	217.36	241.12	-90.60	-1,118.25	-2,924.05	3,479.48	3,176.14	303.34	11.470		
14,400.00	6,958.55	6,956.55	6,956.55	220.18	241.13	-90.61	-1,118.25	-2,924.05	3,576.44	3,273.69	302.75	11.813		
14,500.00	6,958.81	6,956.81	6,956.81	223.00	241.14	-90.63	-1,118.25	-2,924.05	3,673.56	3,371.36	302.20	12.156		
14,600.00	6,959.08	6,957.08	6,957.08	225.83	241.15	-90.65	-1,118.25	-2,924.05	3,770.83	3,469.16	301.67	12.500		
14,700.00	6,959.35	6,957.35	6,957.35	228.65	241.16	-90.67	-1,118.25	-2,924.05	3,868.25	3,567.06	301.18	12.843		
14,800.00	6,959.61	6,957.61	6,957.61	231.48	241.17	-90.68	-1,118.25	-2,924.05	3,965.79	3,665.07	300.72	13.188		
14,900.00	6,959.88	6,957.88	6,957.88	234.30	241.18	-90.70	-1,118.25	-2,924.05	4,063.45	3,763.16	300.29	13.532		
15,000.00	6,960.14	6,958.14	6,958.14	237.13	241.19	-90.72	-1,118.25	-2,924.05	4,161.22	3,861.34	299.87	13.877		
15,100.00	6,960.41	6,958.41	6,958.41	239.96	241.20	-90.74	-1,118.25	-2,924.05	4,259.09	3,959.61	299.49	14.221		
15,200.00	6,960.68	6,958.68	6,958.68	242.79	241.20	-90.75	-1,118.25	-2,924.05	4,357.06	4,057.94	299.12	14.566		
15,300.00	6,960.94	6,958.94	6,958.94	245.62	241.21	-90.77	-1,118.25	-2,924.05	4,455.13	4,156.35	298.78	14.911		
15,400.00	6,961.21	6,959.21	6,959.21	248.45	241.22	-90.79	-1,118.25	-2,924.05	4,553.27	4,254.82	298.45	15.256		
15,500.00	6,961.47	6,959.47	6,959.47	251.28	241.23	-90.81	-1,118.25	-2,924.05	4,651.50	4,353.35	298.14	15.601		
15,600.00	6,961.74	6,959.74	6,959.74	254.11	241.24	-90.82	-1,118.25	-2,924.05	4,749.79	4,451.94	297.85	15.947		
15,700.00	6,962.01	6,960.01	6,960.01	256.94	241.25	-90.84	-1,118.25	-2,924.05	4,848.16	4,550.58	297.58	16.292		
15,800.00	6,962.27	6,960.27	6,960.27	259.77	241.26	-90.86	-1,118.25	-2,924.05	4,946.60	4,649.28	297.32	16.637		
15,900.00	6,962.54	6,960.54	6,960.54	262.61	241.27	-90.88	-1,118.25	-2,924.05	5,045.09	4,748.02	297.08	16.983		
16,000.00	6,962.80	6,960.80	6,960.80	265.44	241.28	-90.90	-1,118.25	-2,924.05	5,143.65	4,846.80	296.84	17.328		
16,100.00	6,963.07	6,961.07	6,961.07	268.28	241.29	-90.91	-1,118.25	-2,924.05	5,242.25	4,945.63	296.63	17.673		
16,200.00	6,963.34	6,961.34	6,961.34	271.11	241.30	-90.93	-1,118.25	-2,924.05	5,340.91	5,044.49	296.42	18.018		
16,300.00	6,963.60	6,961.60	6,961.60	273.95	241.31	-90.95	-1,118.25	-2,924.05	5,439.62	5,143.40	296.22	18.363		
16,400.00	6,963.87	6,961.87	6,961.87	276.78	241.32	-90.97	-1,118.25	-2,924.05	5,538.38	5,242.34	296.04	18.708		
16,500.00	6,964.13	6,962.13	6,962.13	279.62	241.33	-90.98	-1,118.25	-2,924.05	5,637.18	5,341.31	295.87	19.053		
16,600.00	6,964.40	6,962.40	6,962.40	282.46	241.33	-91.00	-1,118.25	-2,924.05	5,736.02	5,440.31	295.70	19.398		
16,700.00	6,964.67	6,962.67	6,962.67	285.29	241.34	-91.02	-1,118.25	-2,924.05	5,834.90	5,539.35	295.55	19.743		
16,800.00	6,964.93	6,962.93	6,962.93	288.13	241.35	-91.04	-1,118.25	-2,924.05	5,933.81	5,638.41	295.40	20.087		
16,900.00	6,965.20	6,963.20	6,963.20	290.97	241.36	-91.05	-1,118.25	-2,924.05	6,032.77	5,737.50	295.27	20.432		
17,000.00	6,965.46	6,963.46	6,963.46	293.81	241.37	-91.07	-1,118.25	-2,924.05	6,131.76	5,836.62	295.14	20.776		
17,100.00	6,965.73	6,963.73	6,963.73	296.65	241.38	-91.09	-1,118.25	-2,924.05	6,230.78	5,935.76	295.02	21.120		
17,200.00	6,966.00	6,964.00	6,964.00	299.49	241.39	-91.11	-1,118.25	-2,924.05	6,329.83	6,034.92	294.90	21.464		
17,300.00	6,966.26	6,964.26	6,964.26	302.32	241.40	-91.12	-1,118.25	-2,924.05	6,428.91	6,134.11	294.80	21.808		
17,400.00	6,966.53	6,964.53	6,964.53	305.16	241.41	-91.14	-1,118.25	-2,924.05	6,528.01	6,233.32	294.70	22.152		
17,500.00	6,966.80	6,964.80	6,964.80	308.00	241.42	-91.16	-1,118.25	-2,924.05	6,627.15	6,332.54	294.60	22.495		
17,600.00	6,967.06	6,965.06	6,965.06	310.85	241.43	-91.18	-1,118.25	-2,924.05	6,726.31	6,431.79	294.52	22.838		
17,700.00	6,967.33	6,965.33	6,965.33	313.69	241.44	-91.20	-1,118.25	-2,924.05	6,825.49	6,531.06	294.44	23.181		
17,800.00	6,967.59	6,965.59	6,965.59	316.53	241.45	-91.21	-1,118.25	-2,924.05	6,924.70	6,630.34	294.36	23.524		
17,900.00	6,967.86	6,965.86	6,965.86	319.37	241.46	-91.23	-1,118.25	-2,924.05	7,023.93	6,729.64	294.29	23.867		
18,000.00	6,968.13	6,966.13	6,966.13	322.21	241.46	-91.25	-1,118.25	-2,924.05	7,123.18	6,828.95	294.23	24.210		
18,100.00	6,968.39	6,966.39	6,966.39	325.05	241.47	-91.27	-1,118.25	-2,924.05	7,222.46	6,928.29	294.17	24.552		
18,200.00	6,968.66	6,966.66	6,966.66	327.90	241.48	-91.28	-1,118.25	-2,924.05	7,321.75	7,027.63	294.12	24.894		
18,300.00	6,968.92	6,966.92	6,966.92	330.74	241.49	-91.30	-1,118.25	-2,924.05	7,421.06	7,126.99	294.07	25.236		
18,400.00	6,969.19	6,967.19	6,967.19	333.58	241.50	-91.32	-1,118.25	-2,924.05	7,520.39	7,226.37	294.02	25.577		
18,500.00	6,969.46	6,967.46	6,967.46	336.43	241.51	-91.34	-1,118.25	-2,924.05	7,619.74	7,325.75	293.99	25.919		
18,600.00	6,969.72	6,967.72	6,967.72	339.27	241.52	-91.35	-1,118.25	-2,924.05	7,719.10	7,425.15	293.95	26.260		
18,704.56	6,970.00	6,968.00	6,968.00	342.24	241.53	-91.37	-1,118.25	-2,924.05	7,823.01	7,529.10	293.92	26.616		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-176.92	-3,998.62	-215.28	4,004.47					
100.00	100.00	78.00	78.00	3.28	3.55	-176.92	-3,998.62	-215.28	4,004.41	3,997.58	6.84	585.778		
200.00	200.00	178.00	178.00	3.34	5.54	-176.92	-3,998.62	-215.28	4,004.41	3,995.53	8.88	450.942		
300.00	299.98	277.98	277.98	3.44	8.61	83.11	-3,998.62	-215.28	4,004.20	3,992.15	12.05	332.296		
400.00	399.84	377.84	377.84	3.60	11.91	83.20	-3,998.62	-215.28	4,003.58	3,988.08	15.50	258.272		
500.00	499.45	477.45	477.45	3.80	15.28	83.34	-3,998.62	-215.28	4,002.55	3,983.48	19.08	209.820		
600.00	598.70	576.70	576.70	4.05	18.68	83.54	-3,998.62	-215.28	4,001.15	3,978.43	22.72	176.103		
700.00	697.47	675.47	675.47	4.33	22.08	83.80	-3,998.62	-215.28	3,999.40	3,973.00	26.41	151.438		
803.50	799.05	777.05	777.05	4.67	25.59	84.12	-3,998.62	-215.28	3,997.28	3,967.02	30.26	132.100		
900.00	893.41	871.41	871.41	5.02	28.86	84.40	-3,998.62	-215.28	3,995.21	3,961.34	33.88	117.932		
1,000.00	991.20	969.20	969.20	5.41	32.26	84.69	-3,998.62	-215.28	3,993.18	3,955.53	37.66	106.044		
1,100.00	1,088.99	1,066.99	1,066.99	5.81	35.65	84.98	-3,998.62	-215.28	3,991.26	3,949.80	41.46	96.271		
1,200.00	1,186.78	1,164.78	1,164.78	6.23	39.06	85.27	-3,998.62	-215.28	3,989.44	3,944.16	45.28	88.105		
1,300.00	1,284.57	1,262.57	1,262.57	6.67	42.46	85.57	-3,998.62	-215.28	3,987.73	3,938.62	49.12	81.187		
1,400.00	1,382.36	1,360.36	1,360.36	7.12	45.86	85.86	-3,998.62	-215.28	3,986.14	3,933.17	52.97	75.256		
1,500.00	1,480.15	1,458.15	1,458.15	7.57	49.27	86.15	-3,998.62	-215.28	3,984.65	3,927.82	56.83	70.119		
1,600.00	1,577.94	1,555.94	1,555.94	8.03	52.67	86.45	-3,998.62	-215.28	3,983.27	3,922.57	60.70	65.627		
1,700.00	1,675.73	1,653.73	1,653.73	8.50	56.08	86.74	-3,998.62	-215.28	3,982.00	3,917.42	64.57	61.668		
1,800.00	1,773.52	1,751.52	1,751.52	8.98	59.49	87.03	-3,998.62	-215.28	3,980.83	3,912.38	68.45	58.154		
1,900.00	1,871.31	1,849.31	1,849.31	9.45	62.90	87.33	-3,998.62	-215.28	3,979.78	3,907.44	72.34	55.015		
2,000.00	1,969.10	1,947.10	1,947.10	9.94	66.31	87.62	-3,998.62	-215.28	3,978.84	3,902.61	76.23	52.195		
2,100.00	2,066.88	2,044.88	2,044.88	10.42	69.72	87.92	-3,998.62	-215.28	3,978.01	3,897.88	80.13	49.647		
2,200.00	2,164.67	2,142.67	2,142.67	10.91	73.13	88.21	-3,998.62	-215.28	3,977.29	3,893.26	84.02	47.335		
2,300.00	2,262.46	2,240.46	2,240.46	11.40	76.54	88.51	-3,998.62	-215.28	3,976.67	3,888.75	87.92	45.228		
2,400.00	2,360.25	2,338.25	2,338.25	11.89	79.95	88.80	-3,998.62	-215.28	3,976.17	3,884.34	91.83	43.300		
2,500.00	2,458.04	2,436.04	2,436.04	12.39	83.36	89.09	-3,998.62	-215.28	3,975.78	3,880.04	95.73	41.529		
2,600.00	2,555.83	2,533.83	2,533.83	12.88	86.77	89.39	-3,998.62	-215.28	3,975.49	3,875.85	99.64	39.898		
2,700.00	2,653.62	2,631.62	2,631.62	13.38	90.18	89.68	-3,998.62	-215.28	3,975.32	3,871.77	103.55	38.390		
2,800.00	2,751.41	2,729.41	2,729.41	13.88	93.60	89.98	-3,998.62	-215.28	3,975.26	3,867.80	107.46	36.992		
2,807.31	2,758.56	2,736.56	2,736.56	13.92	93.85	90.00	-3,998.62	-215.28	3,975.26	3,867.51	107.75	36.894		
2,900.00	2,849.20	2,827.20	2,827.20	14.38	97.01	90.27	-3,998.62	-215.28	3,975.31	3,863.93	111.37	35.693		
3,000.00	2,946.99	2,924.99	2,924.99	14.88	100.42	90.57	-3,998.62	-215.28	3,975.46	3,860.17	115.29	34.483		
3,100.00	3,044.78	3,022.78	3,022.78	15.38	103.83	90.86	-3,998.62	-215.28	3,975.73	3,856.53	119.20	33.352		
3,200.00	3,142.57	3,120.57	3,120.57	15.89	107.24	91.16	-3,998.62	-215.28	3,976.11	3,852.99	123.12	32.295		
3,300.00	3,240.36	3,218.36	3,218.36	16.39	110.66	91.45	-3,998.62	-215.28	3,976.59	3,849.56	127.04	31.303		
3,400.00	3,338.15	3,316.15	3,316.15	16.89	114.07	91.75	-3,998.62	-215.28	3,977.19	3,846.24	130.95	30.371		
3,500.00	3,435.93	3,413.93	3,413.93	17.40	117.48	92.04	-3,998.62	-215.28	3,977.90	3,843.02	134.87	29.494		
3,600.00	3,533.72	3,511.72	3,511.72	17.90	120.89	92.33	-3,998.62	-215.28	3,978.71	3,839.92	138.79	28.667		
3,700.00	3,631.51	3,609.51	3,609.51	18.41	124.31	92.63	-3,998.62	-215.28	3,979.64	3,836.93	142.71	27.886		
3,800.00	3,729.30	3,707.30	3,707.30	18.92	127.72	92.92	-3,998.62	-215.28	3,980.67	3,834.04	146.63	27.148		
3,900.00	3,827.09	3,805.09	3,805.09	19.42	131.13	93.22	-3,998.62	-215.28	3,981.82	3,831.27	150.55	26.448		
4,000.00	3,924.88	3,902.88	3,902.88	19.93	134.54	93.51	-3,998.62	-215.28	3,983.07	3,828.60	154.47	25.785		
4,100.00	4,022.67	4,000.67	4,000.67	20.44	137.96	93.80	-3,998.62	-215.28	3,984.44	3,826.04	158.39	25.155		
4,200.00	4,120.46	4,101.54	4,101.54	20.95	141.48	94.10	-3,998.62	-215.28	3,985.91	3,823.49	162.42	24.540		
4,300.00	4,218.25	4,203.75	4,203.75	21.46	145.04	94.39	-3,998.62	-215.28	3,987.49	3,820.99	166.50	23.949		
4,400.00	4,316.04	4,305.96	4,305.96	21.97	148.61	94.68	-3,998.62	-215.28	3,989.18	3,818.61	170.58	23.386		
4,500.00	4,413.83	4,408.17	4,408.17	22.48	152.18	94.98	-3,998.62	-215.28	3,990.98	3,816.33	174.65	22.851		
4,600.00	4,511.62	4,489.62	4,489.62	22.99	155.02	95.27	-3,998.62	-215.28	3,992.89	3,814.89	178.01	22.431		
4,700.00	4,609.41	4,587.41	4,587.41	23.50	158.44	95.56	-3,998.62	-215.28	3,994.91	3,812.98	181.93	21.959		
4,800.00	4,707.20	4,685.20	4,685.20	24.01	161.85	95.85	-3,998.62	-215.28	3,997.04	3,811.18	185.85	21.506		
4,900.00	4,804.98	4,782.98	4,782.98	24.52	165.26	96.14	-3,998.62	-215.28	3,999.27	3,809.49	189.78	21.074		

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

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,902.77	4,880.77	4,880.77	25.03	168.67	96.44	-3,998.62	-215.28	4,001.61	3,807.91	193.70	20.659					
5,100.00	5,000.56	4,978.56	4,978.56	25.54	172.09	96.73	-3,998.62	-215.28	4,004.06	3,806.44	197.62	20.261					
5,200.00	5,098.35	5,076.35	5,076.35	26.05	175.50	97.02	-3,998.62	-215.28	4,006.62	3,805.07	201.55	19.879					
5,300.00	5,196.14	5,174.14	5,174.14	26.56	178.91	97.31	-3,998.62	-215.28	4,009.28	3,803.81	205.47	19.513					
5,400.00	5,293.93	5,271.93	5,271.93	27.07	182.33	97.60	-3,998.62	-215.28	4,012.06	3,802.66	209.40	19.160					
5,500.00	5,391.72	5,369.72	5,369.72	27.58	185.74	97.89	-3,998.62	-215.28	4,014.94	3,801.62	213.32	18.821					
5,600.00	5,489.51	5,467.51	5,467.51	28.09	189.15	98.17	-3,998.62	-215.28	4,017.92	3,800.68	217.24	18.495					
5,700.00	5,587.30	5,565.30	5,565.30	28.61	192.57	98.46	-3,998.62	-215.28	4,021.01	3,799.85	221.17	18.181					
5,800.00	5,685.09	5,663.09	5,663.09	29.12	195.98	98.75	-3,998.62	-215.28	4,024.21	3,799.12	225.09	17.878					
5,900.00	5,782.88	5,760.88	5,760.88	29.63	199.39	99.04	-3,998.62	-215.28	4,027.52	3,798.50	229.02	17.586					
6,000.00	5,880.67	5,858.67	5,858.67	30.14	202.81	99.33	-3,998.62	-215.28	4,030.93	3,797.99	232.94	17.304					
6,100.00	5,978.46	5,956.46	5,956.46	30.65	206.22	99.61	-3,998.62	-215.28	4,034.44	3,797.58	236.87	17.033					
6,200.00	6,076.25	6,054.25	6,054.25	31.17	209.63	99.90	-3,998.62	-215.28	4,038.07	3,797.28	240.79	16.770					
6,298.86	6,172.92	6,150.92	6,150.92	31.67	213.01	100.18	-3,998.62	-215.28	4,041.75	3,797.08	244.67	16.519					
6,300.00	6,174.03	6,152.03	6,152.03	31.68	213.05	100.10	-3,998.62	-215.28	4,041.79	3,797.08	244.71	16.516					
6,350.00	6,223.30	6,201.30	6,201.30	31.92	214.77	94.17	-3,998.62	-215.28	4,042.97	3,796.29	246.67	16.390					
6,400.00	6,273.06	6,251.06	6,251.06	32.13	216.50	72.82	-3,998.62	-215.28	4,042.75	3,794.13	248.62	16.261					
6,450.00	6,323.01	6,301.01	6,301.01	32.32	218.25	-17.71	-3,998.62	-215.28	4,041.15	3,790.60	250.55	16.129					
6,500.00	6,372.84	6,350.84	6,350.84	32.48	219.99	-50.26	-3,998.62	-215.28	4,038.15	3,785.70	252.45	15.996					
6,550.00	6,422.24	6,400.24	6,400.24	32.65	221.71	-58.47	-3,998.62	-215.28	4,033.79	3,779.44	254.35	15.859					
6,600.00	6,470.92	6,448.92	6,448.92	32.83	223.41	-62.39	-3,998.62	-215.28	4,028.11	3,771.89	256.22	15.721					
6,650.00	6,518.56	6,503.44	6,496.56	33.01	225.31	-64.98	-3,998.62	-215.28	4,021.17	3,762.86	258.31	15.567					
6,700.00	6,564.89	6,542.89	6,542.89	33.21	226.69	-67.04	-3,998.62	-215.28	4,013.05	3,753.17	259.88	15.442					
6,750.00	6,609.60	6,587.60	6,587.60	33.43	228.25	-68.88	-3,998.62	-215.28	4,003.84	3,742.19	261.65	15.302					
6,800.00	6,652.43	6,630.43	6,630.43	33.66	229.75	-70.64	-3,998.62	-215.28	3,993.66	3,730.28	263.37	15.163					
6,850.00	6,693.10	6,671.10	6,671.10	33.91	231.17	-72.36	-3,998.62	-215.28	3,982.61	3,717.57	265.05	15.026					
6,900.00	6,731.38	6,709.38	6,709.38	34.20	232.50	-74.09	-3,998.62	-215.28	3,970.84	3,704.18	266.66	14.891					
6,950.00	6,767.02	6,745.02	6,745.02	34.51	233.75	-75.82	-3,998.62	-215.28	3,958.48	3,690.28	268.21	14.759					
7,000.00	6,799.81	6,777.81	6,777.81	34.85	234.89	-77.55	-3,998.62	-215.28	3,945.68	3,675.99	269.69	14.630					
7,050.00	6,829.54	6,807.54	6,807.54	35.24	235.93	-79.27	-3,998.62	-215.28	3,932.58	3,661.48	271.10	14.506					
7,100.00	6,856.03	6,834.03	6,834.03	35.66	236.85	-80.95	-3,998.62	-215.28	3,919.35	3,646.91	272.44	14.386					
7,150.00	6,879.11	6,857.11	6,857.11	36.12	237.66	-82.59	-3,998.62	-215.28	3,906.11	3,632.41	273.69	14.272					
7,200.00	6,898.65	6,876.65	6,876.65	36.62	238.34	-84.16	-3,998.62	-215.28	3,893.02	3,618.15	274.87	14.163					
7,250.00	6,914.51	6,907.49	6,892.51	37.15	239.42	-85.64	-3,998.62	-215.28	3,880.22	3,603.74	276.48	14.034					
7,300.00	6,926.62	6,904.62	6,904.62	37.73	239.32	-87.01	-3,998.62	-215.28	3,867.83	3,590.88	276.95	13.966					
7,350.00	6,934.88	6,912.88	6,912.88	38.34	239.61	-88.26	-3,998.62	-215.28	3,855.96	3,578.12	277.84	13.878					
7,400.00	6,939.26	6,917.26	6,917.26	38.97	239.76	-89.38	-3,998.62	-215.28	3,844.73	3,566.11	278.63	13.799					
7,429.12	6,940.00	6,918.00	6,918.00	39.34	239.78	-89.97	-3,998.62	-215.28	3,838.52	3,559.49	279.03	13.757					
7,500.00	6,940.19	6,918.19	6,918.19	40.31	239.79	-89.97	-3,998.62	-215.28	3,824.34	3,544.33	280.01	13.658					
7,600.00	6,940.46	6,918.46	6,918.46	41.80	239.80	-89.97	-3,998.62	-215.28	3,806.48	3,524.95	281.53	13.521					
7,700.00	6,940.72	6,918.72	6,918.72	43.43	239.81	-89.98	-3,998.62	-215.28	3,791.18	3,507.99	283.19	13.388					
7,800.00	6,940.99	6,918.99	6,918.99	45.19	239.82	-89.98	-3,998.62	-215.28	3,778.46	3,493.49	284.97	13.259					
7,900.00	6,941.25	6,919.25	6,919.25	47.05	239.83	-89.99	-3,998.62	-215.28	3,768.35	3,481.49	286.86	13.136					
8,000.00	6,941.52	6,919.52	6,919.52	49.02	239.84	-89.99	-3,998.62	-215.28	3,760.88	3,472.03	288.85	13.020					
8,100.00	6,941.79	6,919.79	6,919.79	51.06	239.85	-89.99	-3,998.62	-215.28	3,756.05	3,465.15	290.91	12.911					
8,200.00	6,942.05	6,920.05	6,920.05	53.18	239.86	-90.00	-3,998.62	-215.28	3,753.89	3,460.86	293.03	12.811					
8,231.34	6,942.13	6,920.13	6,920.13	53.87	239.86	-90.00	-3,998.62	-215.28	3,753.76	3,460.05	293.71	12.781 CC					
8,300.00	6,942.32	6,920.32	6,920.32	55.37	239.87	-90.00	-3,998.62	-215.28	3,754.38	3,459.20	295.19	12.719 ES					
8,400.00	6,942.58	6,920.58	6,920.58	57.62	239.87	-90.01	-3,998.62	-215.28	3,757.54	3,460.17	297.38	12.636					
8,500.00	6,942.85	6,920.85	6,920.85	59.92	239.88	-90.01	-3,998.62	-215.28	3,763.36	3,463.77	299.59	12.562					

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,921.12	6,921.12	62.26	239.89	-90.01	-3,998.62	-215.28	3,771.82	3,470.01	301.80	12.498		
8,700.00	6,943.38	6,921.38	6,921.38	64.65	239.90	-90.02	-3,998.62	-215.28	3,782.90	3,478.89	304.01	12.443		
8,800.00	6,943.65	6,921.65	6,921.65	67.08	239.91	-90.02	-3,998.62	-215.28	3,796.59	3,490.37	306.21	12.399		
8,900.00	6,943.91	6,921.91	6,921.91	69.53	239.92	-90.03	-3,998.62	-215.28	3,812.85	3,504.46	308.39	12.364		
9,000.00	6,944.18	6,922.18	6,922.18	72.02	239.93	-90.03	-3,998.62	-215.28	3,831.65	3,521.11	310.53	12.339		
9,100.00	6,944.45	6,922.45	6,922.45	74.54	239.94	-90.04	-3,998.62	-215.28	3,852.95	3,540.31	312.64	12.324		
9,200.00	6,944.71	6,922.71	6,922.71	77.07	239.95	-90.04	-3,998.62	-215.28	3,876.72	3,562.01	314.71	12.318 SF		
9,300.00	6,944.98	6,922.98	6,922.98	79.63	239.96	-90.04	-3,998.62	-215.28	3,902.91	3,586.18	316.73	12.323		
9,400.00	6,945.24	6,923.24	6,923.24	82.21	239.97	-90.05	-3,998.62	-215.28	3,931.47	3,612.77	318.70	12.336		
9,500.00	6,945.51	6,923.51	6,923.51	84.81	239.98	-90.05	-3,998.62	-215.28	3,962.34	3,641.73	320.61	12.359		
9,600.00	6,945.78	6,923.78	6,923.78	87.43	239.99	-90.06	-3,998.62	-215.28	3,995.48	3,673.02	322.47	12.390		
9,700.00	6,946.04	6,924.04	6,924.04	90.05	240.00	-90.06	-3,998.62	-215.28	4,030.83	3,706.57	324.26	12.431		
9,800.00	6,946.31	6,924.31	6,924.31	92.70	240.00	-90.06	-3,998.62	-215.28	4,068.34	3,742.34	326.00	12.480		
9,900.00	6,946.57	6,924.57	6,924.57	95.35	240.01	-90.07	-3,998.62	-215.28	4,107.93	3,780.26	327.67	12.537		
10,000.00	6,946.84	6,924.84	6,924.84	98.02	240.02	-90.07	-3,998.62	-215.28	4,149.56	3,820.27	329.28	12.602		
10,100.00	6,947.11	6,925.11	6,925.11	100.70	240.03	-90.08	-3,998.62	-215.28	4,193.15	3,862.32	330.83	12.675		
10,200.00	6,947.37	6,925.37	6,925.37	103.38	240.04	-90.08	-3,998.62	-215.28	4,238.66	3,906.35	332.32	12.755		
10,300.00	6,947.64	6,925.64	6,925.64	106.08	240.05	-90.08	-3,998.62	-215.28	4,286.02	3,952.28	333.74	12.842		
10,400.00	6,947.90	6,925.90	6,925.90	108.78	240.06	-90.09	-3,998.62	-215.28	4,335.17	4,000.07	335.10	12.937		
10,500.00	6,948.17	6,926.17	6,926.17	111.49	240.07	-90.09	-3,998.62	-215.28	4,386.05	4,049.65	336.41	13.038		
10,600.00	6,948.44	6,926.44	6,926.44	114.21	240.08	-90.10	-3,998.62	-215.28	4,438.60	4,100.95	337.65	13.146		
10,700.00	6,948.70	6,926.70	6,926.70	116.94	240.09	-90.10	-3,998.62	-215.28	4,492.76	4,153.93	338.84	13.259		
10,800.00	6,948.97	6,926.97	6,926.97	119.67	240.10	-90.10	-3,998.62	-215.28	4,548.48	4,208.51	339.97	13.379		
10,900.00	6,949.24	6,927.24	6,927.24	122.41	240.11	-90.11	-3,998.62	-215.28	4,605.69	4,264.64	341.04	13.505		
11,000.00	6,949.50	6,927.50	6,927.50	125.15	240.12	-90.11	-3,998.62	-215.28	4,664.34	4,322.27	342.07	13.636		
11,100.00	6,949.77	6,927.77	6,927.77	127.90	240.13	-90.12	-3,998.62	-215.28	4,724.39	4,381.34	343.04	13.772		
11,200.00	6,950.03	6,928.03	6,928.03	130.65	240.14	-90.12	-3,998.62	-215.28	4,785.77	4,441.80	343.97	13.913		
11,300.00	6,950.30	6,928.30	6,928.30	133.41	240.14	-90.12	-3,998.62	-215.28	4,848.43	4,503.58	344.85	14.060		
11,400.00	6,950.57	6,928.57	6,928.57	136.17	240.15	-90.13	-3,998.62	-215.28	4,912.33	4,566.65	345.69	14.210		
11,500.00	6,950.83	6,928.83	6,928.83	138.94	240.16	-90.13	-3,998.62	-215.28	4,977.42	4,630.94	346.48	14.366		
11,600.00	6,951.10	6,929.10	6,929.10	141.71	240.17	-90.14	-3,998.62	-215.28	5,043.66	4,696.42	347.23	14.525		
11,700.00	6,951.36	6,929.36	6,929.36	144.48	240.18	-90.14	-3,998.62	-215.28	5,110.99	4,763.04	347.95	14.689		
11,800.00	6,951.63	6,929.63	6,929.63	147.26	240.19	-90.14	-3,998.62	-215.28	5,179.37	4,830.75	348.62	14.857		
11,900.00	6,951.90	6,929.90	6,929.90	150.03	240.20	-90.15	-3,998.62	-215.28	5,248.78	4,899.51	349.26	15.028		
12,000.00	6,952.16	6,930.16	6,930.16	152.82	240.21	-90.15	-3,998.62	-215.28	5,319.15	4,969.28	349.87	15.203		
12,100.00	6,952.43	6,930.43	6,930.43	155.60	240.22	-90.16	-3,998.62	-215.28	5,390.46	5,040.02	350.45	15.382		
12,200.00	6,952.69	6,930.69	6,930.69	158.39	240.23	-90.16	-3,998.62	-215.28	5,462.68	5,111.68	350.99	15.563		
12,300.00	6,952.96	6,930.96	6,930.96	161.18	240.24	-90.17	-3,998.62	-215.28	5,535.75	5,184.24	351.51	15.748		
12,400.00	6,953.23	6,931.23	6,931.23	163.97	240.25	-90.17	-3,998.62	-215.28	5,609.66	5,257.66	352.00	15.937		
12,500.00	6,953.49	6,931.49	6,931.49	166.77	240.26	-90.17	-3,998.62	-215.28	5,684.36	5,331.90	352.46	16.127		
12,600.00	6,953.76	6,931.76	6,931.76	169.56	240.27	-90.18	-3,998.62	-215.28	5,759.84	5,406.93	352.90	16.321		
12,700.00	6,954.02	6,932.02	6,932.02	172.36	240.27	-90.18	-3,998.62	-215.28	5,836.05	5,482.73	353.32	16.518		
12,800.00	6,954.29	6,932.29	6,932.29	175.16	240.28	-90.19	-3,998.62	-215.28	5,912.97	5,559.25	353.71	16.717		
12,900.00	6,954.56	6,932.56	6,932.56	177.97	240.29	-90.19	-3,998.62	-215.28	5,990.57	5,636.48	354.09	16.918		
13,000.00	6,954.82	6,932.82	6,932.82	180.77	240.30	-90.19	-3,998.62	-215.28	6,068.82	5,714.38	354.44	17.122		
13,100.00	6,955.09	6,933.09	6,933.09	183.58	240.31	-90.20	-3,998.62	-215.28	6,147.71	5,792.93	354.78	17.328		
13,200.00	6,955.35	6,933.35	6,933.35	186.38	240.32	-90.20	-3,998.62	-215.28	6,227.20	5,872.11	355.10	17.537		
13,300.00	6,955.62	6,933.62	6,933.62	189.19	240.33	-90.21	-3,998.62	-215.28	6,307.28	5,951.89	355.40	17.747		
13,400.00	6,955.89	6,933.89	6,933.89	192.00	240.34	-90.21	-3,998.62	-215.28	6,387.92	6,032.24	355.68	17.960		
13,500.00	6,956.15	6,934.15	6,934.15	194.82	240.35	-90.21	-3,998.62	-215.28	6,469.10	6,113.15	355.95	18.174		
13,600.00	6,956.42	6,934.42	6,934.42	197.63	240.36	-90.22	-3,998.62	-215.28	6,550.80	6,194.59	356.21	18.390		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
13,700.00	6,956.68	6,934.68	6,934.68	200.44	240.37	-90.22	-3,998.62	-215.28	6,633.00	6,276.55	356.45	18.608					
13,800.00	6,956.95	6,934.95	6,934.95	203.26	240.38	-90.23	-3,998.62	-215.28	6,715.68	6,359.00	356.68	18.828					
13,900.00	6,957.22	6,935.22	6,935.22	206.08	240.39	-90.23	-3,998.62	-215.28	6,798.83	6,441.93	356.90	19.050					
14,000.00	6,957.48	6,935.48	6,935.48	208.89	240.40	-90.23	-3,998.62	-215.28	6,882.43	6,525.32	357.11	19.273					
14,100.00	6,957.75	6,935.75	6,935.75	211.71	240.40	-90.24	-3,998.62	-215.28	6,966.46	6,609.16	357.31	19.497					
14,200.00	6,958.02	6,936.02	6,936.02	214.53	240.41	-90.24	-3,998.62	-215.28	7,050.91	6,693.41	357.49	19.723					
14,300.00	6,958.28	6,936.28	6,936.28	217.36	240.42	-90.25	-3,998.62	-215.28	7,135.76	6,778.09	357.67	19.951					
14,400.00	6,958.55	6,936.55	6,936.55	220.18	240.43	-90.25	-3,998.62	-215.28	7,220.99	6,863.15	357.84	20.179					
14,500.00	6,958.81	6,936.81	6,936.81	223.00	240.44	-90.25	-3,998.62	-215.28	7,306.61	6,948.60	358.00	20.409					
14,600.00	6,959.08	6,937.08	6,937.08	225.83	240.45	-90.26	-3,998.62	-215.28	7,392.58	7,034.42	358.15	20.641					
14,700.00	6,959.35	6,937.35	6,937.35	228.65	240.46	-90.26	-3,998.62	-215.28	7,478.90	7,120.60	358.30	20.873					
14,800.00	6,959.61	6,937.61	6,937.61	231.48	240.47	-90.27	-3,998.62	-215.28	7,565.56	7,207.12	358.44	21.107					
14,900.00	6,959.88	6,937.88	6,937.88	234.30	240.48	-90.27	-3,998.62	-215.28	7,652.54	7,293.97	358.57	21.342					
15,000.00	6,960.14	6,938.14	6,938.14	237.13	240.49	-90.27	-3,998.62	-215.28	7,739.84	7,381.14	358.69	21.578					
15,100.00	6,960.41	6,938.41	6,938.41	239.96	240.50	-90.28	-3,998.62	-215.28	7,827.44	7,468.63	358.81	21.815					
15,200.00	6,960.68	6,938.68	6,938.68	242.79	240.51	-90.28	-3,998.62	-215.28	7,915.34	7,556.41	358.93	22.053					
15,300.00	6,960.94	6,938.94	6,938.94	245.62	240.52	-90.29	-3,998.62	-215.28	8,003.52	7,644.48	359.03	22.292					
15,400.00	6,961.21	6,939.21	6,939.21	248.45	240.53	-90.29	-3,998.62	-215.28	8,091.97	7,732.83	359.14	22.532					
15,500.00	6,961.47	6,939.47	6,939.47	251.28	240.53	-90.30	-3,998.62	-215.28	8,180.69	7,821.45	359.24	22.772					
15,600.00	6,961.74	6,939.74	6,939.74	254.11	240.54	-90.30	-3,998.62	-215.28	8,269.67	7,910.34	359.33	23.014					
15,700.00	6,962.01	6,940.01	6,940.01	256.94	240.55	-90.30	-3,998.62	-215.28	8,358.90	7,999.48	359.42	23.257					
15,800.00	6,962.27	6,940.27	6,940.27	259.77	240.56	-90.31	-3,998.62	-215.28	8,448.36	8,088.86	359.51	23.500					
15,900.00	6,962.54	6,940.54	6,940.54	262.61	240.57	-90.31	-3,998.62	-215.28	8,538.07	8,178.48	359.59	23.744					
16,000.00	6,962.80	6,940.80	6,940.80	265.44	240.58	-90.32	-3,998.62	-215.28	8,628.00	8,268.33	359.67	23.989					
16,100.00	6,963.07	6,941.07	6,941.07	268.28	240.59	-90.32	-3,998.62	-215.28	8,718.14	8,358.40	359.74	24.234					
16,200.00	6,963.34	6,941.34	6,941.34	271.11	240.60	-90.32	-3,998.62	-215.28	8,808.50	8,448.69	359.81	24.481					
16,300.00	6,963.60	6,941.60	6,941.60	273.95	240.61	-90.33	-3,998.62	-215.28	8,899.07	8,539.19	359.88	24.728					
16,400.00	6,963.87	6,941.87	6,941.87	276.78	240.62	-90.33	-3,998.62	-215.28	8,989.84	8,629.89	359.95	24.975					
16,500.00	6,964.13	6,942.13	6,942.13	279.62	240.63	-90.34	-3,998.62	-215.28	9,080.80	8,720.79	360.01	25.224					
16,600.00	6,964.40	6,942.40	6,942.40	282.46	240.64	-90.34	-3,998.62	-215.28	9,171.95	8,811.87	360.07	25.472					
16,700.00	6,964.67	6,942.67	6,942.67	285.29	240.65	-90.34	-3,998.62	-215.28	9,263.28	8,903.15	360.13	25.722					
16,800.00	6,964.93	6,942.93	6,942.93	288.13	240.66	-90.35	-3,998.62	-215.28	9,354.79	8,994.60	360.19	25.972					
16,900.00	6,965.20	6,943.20	6,943.20	290.97	240.66	-90.35	-3,998.62	-215.28	9,446.47	9,086.22	360.24	26.222					
17,000.00	6,965.46	6,943.46	6,943.46	293.81	240.67	-90.36	-3,998.62	-215.28	9,538.32	9,178.02	360.30	26.473					
17,100.00	6,965.73	6,943.73	6,943.73	296.65	240.68	-90.36	-3,998.62	-215.28	9,630.33	9,269.98	360.35	26.725					
17,200.00	6,966.00	6,944.00	6,944.00	299.49	240.69	-90.36	-3,998.62	-215.28	9,722.50	9,362.10	360.40	26.977					
17,300.00	6,966.26	6,944.26	6,944.26	302.32	240.70	-90.37	-3,998.62	-215.28	9,814.82	9,454.37	360.45	27.230					
17,400.00	6,966.53	6,944.53	6,944.53	305.16	240.71	-90.37	-3,998.62	-215.28	9,907.29	9,546.80	360.49	27.483					
17,500.00	6,966.80	6,944.80	6,944.80	308.00	240.72	-90.38	-3,998.62	-215.28	9,999.90	9,639.37	360.54	27.736					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-71.48	1,469.26	-4,386.73	4,626.24					
100.00	100.00	140.00	140.00	3.28	4.54	-71.48	1,469.26	-4,386.73	4,626.24	4,618.42	7.83	591.084		
200.00	200.00	240.00	240.00	3.34	7.40	-71.48	1,469.26	-4,386.73	4,626.24	4,615.51	10.74	430.885		
300.00	299.98	339.98	339.98	3.44	10.64	-171.48	1,469.26	-4,386.73	4,627.97	4,613.89	14.08	328.606		
400.00	399.84	439.84	439.84	3.60	14.00	-171.47	1,469.26	-4,386.73	4,633.14	4,615.55	17.60	263.283		
500.00	499.45	539.45	539.45	3.80	17.40	-171.47	1,469.26	-4,386.73	4,641.76	4,620.56	21.20	218.940		
600.00	598.70	638.70	638.70	4.05	20.81	-171.45	1,469.26	-4,386.73	4,653.82	4,628.96	24.86	187.210		
700.00	697.47	737.47	737.47	4.33	24.22	-171.43	1,469.26	-4,386.73	4,669.29	4,640.74	28.55	163.550		
803.50	799.05	839.05	839.05	4.67	27.74	-171.41	1,469.26	-4,386.73	4,688.89	4,656.50	32.39	144.771		
900.00	893.41	933.41	933.41	5.02	31.01	-171.45	1,469.26	-4,386.73	4,708.85	4,672.87	35.98	130.872		
1,000.00	991.20	1,031.20	1,031.20	5.41	34.41	-171.48	1,469.26	-4,386.73	4,729.54	4,689.82	39.72	119.067		
1,100.00	1,088.99	1,128.99	1,128.99	5.81	37.81	-171.52	1,469.26	-4,386.73	4,750.23	4,706.75	43.48	109.244		
1,200.00	1,186.78	1,226.78	1,226.78	6.23	41.21	-171.56	1,469.26	-4,386.73	4,770.92	4,723.66	47.26	100.949		
1,300.00	1,284.57	1,324.57	1,324.57	6.67	44.62	-171.60	1,469.26	-4,386.73	4,791.62	4,740.57	51.05	93.858		
1,400.00	1,382.36	1,422.36	1,422.36	7.12	48.02	-171.63	1,469.26	-4,386.73	4,812.31	4,757.46	54.85	87.730		
1,500.00	1,480.15	1,520.15	1,520.15	7.57	51.43	-171.67	1,469.26	-4,386.73	4,833.01	4,774.35	58.67	82.383		
1,600.00	1,577.94	1,617.94	1,617.94	8.03	54.84	-171.70	1,469.26	-4,386.73	4,853.71	4,791.23	62.48	77.679		
1,700.00	1,675.73	1,715.73	1,715.73	8.50	58.24	-171.74	1,469.26	-4,386.73	4,874.41	4,808.10	66.31	73.509		
1,800.00	1,773.52	1,813.52	1,813.52	8.98	61.65	-171.77	1,469.26	-4,386.73	4,895.12	4,824.98	70.14	69.789		
1,900.00	1,871.31	1,911.31	1,911.31	9.45	65.06	-171.81	1,469.26	-4,386.73	4,915.82	4,841.85	73.98	66.451		
2,000.00	1,969.10	2,009.10	2,009.10	9.94	68.47	-171.84	1,469.26	-4,386.73	4,936.53	4,858.71	77.82	63.438		
2,100.00	2,066.88	2,106.88	2,106.88	10.42	71.88	-171.88	1,469.26	-4,386.73	4,957.24	4,875.58	81.66	60.705		
2,200.00	2,164.67	2,204.67	2,204.67	10.91	75.29	-171.91	1,469.26	-4,386.73	4,977.95	4,892.44	85.51	58.217		
2,300.00	2,262.46	2,302.46	2,302.46	11.40	78.70	-171.95	1,469.26	-4,386.73	4,998.66	4,909.31	89.36	55.941		
2,400.00	2,360.25	2,400.25	2,400.25	11.89	82.11	-171.98	1,469.26	-4,386.73	5,019.38	4,926.17	93.21	53.851		
2,500.00	2,458.04	2,501.96	2,498.04	12.39	85.66	-172.01	1,469.26	-4,386.73	5,040.09	4,942.90	97.20	51.854		
2,600.00	2,555.83	2,604.17	2,595.83	12.88	89.23	-172.05	1,469.26	-4,386.73	5,060.81	4,959.60	101.21	50.004		
2,700.00	2,653.62	2,706.38	2,693.62	13.38	92.79	-172.08	1,469.26	-4,386.73	5,081.53	4,976.31	105.22	48.294		
2,800.00	2,751.41	2,808.59	2,791.41	13.88	96.36	-172.11	1,469.26	-4,386.73	5,102.25	4,993.02	109.23	46.710		
2,900.00	2,849.20	2,889.20	2,889.20	14.38	99.17	-172.14	1,469.26	-4,386.73	5,122.97	5,010.48	112.49	45.540		
3,000.00	2,946.99	2,986.99	2,986.99	14.88	102.58	-172.17	1,469.26	-4,386.73	5,143.70	5,027.34	116.36	44.207		
3,100.00	3,044.78	3,084.78	3,084.78	15.38	106.00	-172.21	1,469.26	-4,386.73	5,164.42	5,044.20	120.22	42.959		
3,200.00	3,142.57	3,182.57	3,182.57	15.89	109.41	-172.24	1,469.26	-4,386.73	5,185.15	5,061.07	124.08	41.788		
3,300.00	3,240.36	3,280.36	3,280.36	16.39	112.82	-172.27	1,469.26	-4,386.73	5,205.88	5,077.93	127.95	40.688		
3,400.00	3,338.15	3,378.15	3,378.15	16.89	116.23	-172.30	1,469.26	-4,386.73	5,226.61	5,094.79	131.81	39.652		
3,500.00	3,435.93	3,475.93	3,475.93	17.40	119.64	-172.33	1,469.26	-4,386.73	5,247.34	5,111.66	135.68	38.675		
3,600.00	3,533.72	3,573.72	3,573.72	17.90	123.06	-172.36	1,469.26	-4,386.73	5,268.07	5,128.53	139.54	37.752		
3,700.00	3,631.51	3,671.51	3,671.51	18.41	126.47	-172.39	1,469.26	-4,386.73	5,288.80	5,145.39	143.41	36.879		
3,800.00	3,729.30	3,769.30	3,769.30	18.92	129.88	-172.42	1,469.26	-4,386.73	5,309.54	5,162.26	147.28	36.051		
3,900.00	3,827.09	3,867.09	3,867.09	19.42	133.30	-172.45	1,469.26	-4,386.73	5,330.27	5,179.13	151.15	35.266		
4,000.00	3,924.88	3,964.88	3,964.88	19.93	136.71	-172.48	1,469.26	-4,386.73	5,351.01	5,196.00	155.02	34.519		
4,100.00	4,022.67	4,062.67	4,062.67	20.44	140.12	-172.51	1,469.26	-4,386.73	5,371.75	5,212.87	158.88	33.809		
4,200.00	4,120.46	4,160.46	4,160.46	20.95	143.53	-172.54	1,469.26	-4,386.73	5,392.49	5,229.74	162.75	33.133		
4,300.00	4,218.25	4,258.25	4,258.25	21.46	146.95	-172.57	1,469.26	-4,386.73	5,413.23	5,246.61	166.63	32.487		
4,400.00	4,316.04	4,356.04	4,356.04	21.97	150.36	-172.59	1,469.26	-4,386.73	5,433.98	5,263.48	170.50	31.872		
4,500.00	4,413.83	4,453.83	4,453.83	22.48	153.77	-172.62	1,469.26	-4,386.73	5,454.72	5,280.35	174.37	31.283		
4,600.00	4,511.62	4,551.62	4,551.62	22.99	157.19	-172.65	1,469.26	-4,386.73	5,475.47	5,297.23	178.24	30.720		
4,700.00	4,609.41	4,649.41	4,649.41	23.50	160.60	-172.68	1,469.26	-4,386.73	5,496.21	5,314.10	182.11	30.181		
4,800.00	4,707.20	4,747.20	4,747.20	24.01	164.01	-172.71	1,469.26	-4,386.73	5,516.96	5,330.98	185.98	29.664		
4,900.00	4,804.98	4,844.98	4,844.98	24.52	167.43	-172.73	1,469.26	-4,386.73	5,537.71	5,347.86	189.85	29.168		
5,000.00	4,902.77	4,942.77	4,942.77	25.03	170.84	-172.76	1,469.26	-4,386.73	5,558.46	5,364.73	193.73	28.692		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,040.56	5,040.56	25.54	174.25	-172.79	1,469.26	-4,386.73	5,579.21	5,381.61	197.60	28.235			
5,200.00	5,098.35	5,138.35	5,138.35	26.05	177.67	-172.81	1,469.26	-4,386.73	5,599.97	5,398.49	201.47	27.795			
5,300.00	5,196.14	5,236.14	5,236.14	26.56	181.08	-172.84	1,469.26	-4,386.73	5,620.72	5,415.37	205.35	27.372			
5,400.00	5,293.93	5,333.93	5,333.93	27.07	184.49	-172.87	1,469.26	-4,386.73	5,641.48	5,432.26	209.22	26.964			
5,500.00	5,391.72	5,431.72	5,431.72	27.58	187.90	-172.89	1,469.26	-4,386.73	5,662.23	5,449.14	213.09	26.572			
5,600.00	5,489.51	5,529.51	5,529.51	28.09	191.32	-172.92	1,469.26	-4,386.73	5,682.99	5,466.02	216.97	26.193			
5,700.00	5,587.30	5,627.30	5,627.30	28.61	194.73	-172.95	1,469.26	-4,386.73	5,703.75	5,482.91	220.84	25.827			
5,800.00	5,685.09	5,725.09	5,725.09	29.12	198.14	-172.97	1,469.26	-4,386.73	5,724.51	5,499.79	224.71	25.475			
5,900.00	5,782.88	5,822.88	5,822.88	29.63	201.56	-173.00	1,469.26	-4,386.73	5,745.27	5,516.68	228.59	25.134			
6,000.00	5,880.67	5,920.67	5,920.67	30.14	204.97	-173.02	1,469.26	-4,386.73	5,766.03	5,533.57	232.46	24.804			
6,100.00	5,978.46	6,018.46	6,018.46	30.65	208.39	-173.05	1,469.26	-4,386.73	5,786.79	5,550.45	236.34	24.485			
6,200.00	6,076.25	6,116.25	6,116.25	31.17	211.80	-173.07	1,469.26	-4,386.73	5,807.56	5,567.34	240.21	24.177			
6,298.86	6,172.92	6,212.92	6,212.92	31.67	215.17	-173.10	1,469.26	-4,386.73	5,828.09	5,584.04	244.04	23.881			
6,300.00	6,174.03	6,214.03	6,214.03	31.68	215.21	-173.19	1,469.26	-4,386.73	5,828.32	5,584.23	244.09	23.878			
6,350.00	6,223.30	6,263.30	6,263.30	31.92	216.93	-179.57	1,469.26	-4,386.73	5,836.78	5,590.74	246.03	23.724			
6,400.00	6,273.06	6,313.06	6,313.06	32.13	218.67	158.91	1,469.26	-4,386.73	5,841.51	5,593.53	247.98	23.556			
6,450.00	6,323.01	6,363.01	6,363.01	32.32	220.41	68.48	1,469.26	-4,386.73	5,842.50	5,592.58	249.92	23.378			
6,500.00	6,372.84	6,412.84	6,412.84	32.48	222.15	36.33	1,469.26	-4,386.73	5,839.74	5,587.91	251.83	23.189			
6,550.00	6,422.24	6,462.24	6,462.24	32.65	223.88	28.79	1,469.26	-4,386.73	5,833.24	5,579.53	253.71	22.992			
6,600.00	6,470.92	6,510.92	6,510.92	32.83	225.57	25.82	1,469.26	-4,386.73	5,823.05	5,567.51	255.55	22.787			
6,650.00	6,518.56	6,558.56	6,558.56	33.01	227.24	24.48	1,469.26	-4,386.73	5,809.24	5,551.91	257.33	22.575			
6,700.00	6,564.89	6,604.89	6,604.89	33.21	228.86	23.95	1,469.26	-4,386.73	5,791.89	5,532.83	259.06	22.358			
6,750.00	6,609.60	6,649.60	6,649.60	33.43	230.42	23.94	1,469.26	-4,386.73	5,771.11	5,510.40	260.71	22.136			
6,800.00	6,652.43	6,692.43	6,692.43	33.66	232.44	24.33	1,469.26	-4,386.73	5,747.04	5,484.23	262.81	21.868			
6,850.00	6,693.10	6,733.10	6,733.10	33.91	233.33	25.08	1,469.26	-4,386.73	5,719.82	5,456.06	263.77	21.685			
6,900.00	6,731.38	6,771.38	6,771.38	34.20	234.67	26.19	1,469.26	-4,386.73	5,689.64	5,424.48	265.16	21.458			
6,950.00	6,767.02	6,807.02	6,807.02	34.51	235.91	27.69	1,469.26	-4,386.73	5,656.68	5,390.24	266.44	21.230			
7,000.00	6,799.81	6,839.81	6,839.81	34.85	237.06	29.64	1,469.26	-4,386.73	5,621.15	5,353.52	267.63	21.004			
7,050.00	6,829.54	6,869.54	6,869.54	35.24	238.09	32.15	1,469.26	-4,386.73	5,583.28	5,314.58	268.70	20.779			
7,100.00	6,856.03	6,896.03	6,896.03	35.66	239.30	35.34	1,469.26	-4,386.73	5,543.30	5,273.36	269.94	20.536			
7,150.00	6,879.11	6,919.11	6,919.11	36.12	239.82	39.41	1,469.26	-4,386.73	5,501.47	5,230.96	270.50	20.338			
7,200.00	6,898.65	6,938.65	6,938.65	36.62	240.51	44.62	1,469.26	-4,386.73	5,458.04	5,186.81	271.23	20.124			
7,250.00	6,914.51	6,954.51	6,954.51	37.15	241.06	51.28	1,469.26	-4,386.73	5,413.29	5,141.46	271.83	19.914			
7,300.00	6,926.62	6,966.62	6,966.62	37.73	241.48	59.71	1,469.26	-4,386.73	5,367.50	5,095.19	272.31	19.711			
7,350.00	6,934.88	6,974.88	6,974.88	38.34	241.77	70.07	1,469.26	-4,386.73	5,320.96	5,048.29	272.67	19.514			
7,400.00	6,939.26	6,979.26	6,979.26	38.97	241.92	82.11	1,469.26	-4,386.73	5,273.94	5,001.04	272.90	19.325			
7,429.12	6,940.00	6,980.00	6,980.00	39.34	241.95	89.56	1,469.26	-4,386.73	5,246.46	4,973.48	272.98	19.219			
7,500.00	6,940.19	6,980.19	6,980.19	40.31	241.96	89.57	1,469.26	-4,386.73	5,179.60	4,906.46	273.14	18.963			
7,600.00	6,940.46	6,980.46	6,980.46	41.80	241.96	89.58	1,469.26	-4,386.73	5,085.45	4,812.05	273.40	18.601			
7,700.00	6,940.72	6,980.72	6,980.72	43.43	241.97	89.59	1,469.26	-4,386.73	4,991.53	4,717.81	273.71	18.236			
7,800.00	6,940.99	6,980.99	6,980.99	45.19	241.98	89.60	1,469.26	-4,386.73	4,897.85	4,623.77	274.08	17.870			
7,900.00	6,941.25	6,981.25	6,981.25	47.05	241.99	89.60	1,469.26	-4,386.73	4,804.42	4,529.92	274.50	17.503			
8,000.00	6,941.52	6,981.52	6,981.52	49.02	242.00	89.61	1,469.26	-4,386.73	4,711.27	4,436.29	274.98	17.133			
8,100.00	6,941.79	6,981.79	6,981.79	51.06	242.01	89.62	1,469.26	-4,386.73	4,618.40	4,342.87	275.52	16.762			
8,200.00	6,942.05	6,982.05	6,982.05	53.18	242.02	89.63	1,469.26	-4,386.73	4,525.83	4,249.70	276.13	16.390			
8,300.00	6,942.32	6,982.32	6,982.32	55.37	242.03	89.64	1,469.26	-4,386.73	4,433.59	4,156.77	276.82	16.016			
8,400.00	6,942.58	6,982.58	6,982.58	57.62	242.04	89.65	1,469.26	-4,386.73	4,341.69	4,064.10	277.58	15.641			
8,500.00	6,942.85	6,982.85	6,982.85	59.92	242.05	89.66	1,469.26	-4,386.73	4,250.15	3,971.73	278.43	15.265			
8,600.00	6,943.12	6,983.12	6,983.12	62.26	242.06	89.67	1,469.26	-4,386.73	4,159.01	3,879.65	279.36	14.888			
8,700.00	6,943.38	6,983.38	6,983.38	64.65	242.07	89.68	1,469.26	-4,386.73	4,068.28	3,787.90	280.38	14.510			

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,983.65	6,983.65	67.08	242.08	89.68	1,469.26	-4,386.73	3,978.00	3,696.50	281.50	14.132			
8,900.00	6,943.91	6,983.91	6,983.91	69.53	242.09	89.69	1,469.26	-4,386.73	3,888.19	3,605.47	282.71	13.753			
9,000.00	6,944.18	6,984.18	6,984.18	72.02	242.09	89.70	1,469.26	-4,386.73	3,798.89	3,514.85	284.04	13.375			
9,100.00	6,944.45	6,984.45	6,984.45	74.54	242.10	89.71	1,469.26	-4,386.73	3,710.14	3,424.67	285.47	12.996			
9,200.00	6,944.71	6,984.71	6,984.71	77.07	242.11	89.72	1,469.26	-4,386.73	3,621.97	3,334.95	287.02	12.619			
9,300.00	6,944.98	6,984.98	6,984.98	79.63	242.12	89.73	1,469.26	-4,386.73	3,534.44	3,245.74	288.69	12.243			
9,400.00	6,945.24	6,985.24	6,985.24	82.21	242.13	89.74	1,469.26	-4,386.73	3,447.58	3,157.08	290.49	11.868			
9,500.00	6,945.51	6,985.51	6,985.51	84.81	242.14	89.75	1,469.26	-4,386.73	3,361.45	3,069.02	292.43	11.495			
9,600.00	6,945.78	6,985.78	6,985.78	87.43	242.15	89.75	1,469.26	-4,386.73	3,276.11	2,981.61	294.50	11.124			
9,700.00	6,946.04	6,986.04	6,986.04	90.05	242.16	89.76	1,469.26	-4,386.73	3,191.62	2,894.91	296.72	10.757			
9,800.00	6,946.31	6,986.31	6,986.31	92.70	242.17	89.77	1,469.26	-4,386.73	3,108.05	2,808.97	299.08	10.392			
9,900.00	6,946.57	6,986.57	6,986.57	95.35	242.18	89.78	1,469.26	-4,386.73	3,025.48	2,723.87	301.61	10.031			
10,000.00	6,946.84	6,986.84	6,986.84	98.02	242.19	89.79	1,469.26	-4,386.73	2,943.99	2,639.69	304.31	9.674			
10,100.00	6,947.11	6,987.11	6,987.11	100.70	242.20	89.80	1,469.26	-4,386.73	2,863.68	2,556.51	307.17	9.323			
10,200.00	6,947.37	6,987.37	6,987.37	103.38	242.21	89.81	1,469.26	-4,386.73	2,784.64	2,474.42	310.22	8.976			
10,300.00	6,947.64	6,987.64	6,987.64	106.08	242.22	89.82	1,469.26	-4,386.73	2,706.98	2,393.54	313.45	8.636			
10,400.00	6,947.90	6,987.90	6,987.90	108.78	242.22	89.83	1,469.26	-4,386.73	2,630.84	2,313.97	316.86	8.303			
10,500.00	6,948.17	6,988.17	6,988.17	111.49	242.23	89.83	1,469.26	-4,386.73	2,556.34	2,235.86	320.48	7.977			
10,600.00	6,948.44	6,988.44	6,988.44	114.21	242.24	89.84	1,469.26	-4,386.73	2,483.63	2,159.34	324.29	7.659			
10,700.00	6,948.70	6,988.70	6,988.70	116.94	242.25	89.85	1,469.26	-4,386.73	2,412.88	2,084.58	328.30	7.350			
10,800.00	6,948.97	6,988.97	6,988.97	119.67	242.26	89.86	1,469.26	-4,386.73	2,344.25	2,011.75	332.51	7.050			
10,900.00	6,949.24	6,989.24	6,989.24	122.41	242.27	89.87	1,469.26	-4,386.73	2,277.95	1,941.05	336.91	6.761			
11,000.00	6,949.50	6,989.50	6,989.50	125.15	242.28	89.88	1,469.26	-4,386.73	2,214.19	1,872.69	341.50	6.484			
11,100.00	6,949.77	6,989.77	6,989.77	127.90	242.29	89.89	1,469.26	-4,386.73	2,153.18	1,806.92	346.26	6.218			
11,200.00	6,950.03	6,990.03	6,990.03	130.65	243.00	89.90	1,469.26	-4,386.73	2,095.17	1,743.30	351.87	5.954			
11,300.00	6,950.30	6,990.30	6,990.30	133.41	242.99	89.90	1,469.26	-4,386.73	2,040.41	1,683.51	356.90	5.717			
11,400.00	6,950.57	6,990.57	6,990.57	136.17	242.98	89.91	1,469.26	-4,386.73	1,989.18	1,627.15	362.03	5.494			
11,500.00	6,950.83	6,990.83	6,990.83	138.94	242.97	89.92	1,469.26	-4,386.73	1,941.75	1,574.53	367.22	5.288			
11,600.00	6,951.10	6,991.10	6,991.10	141.71	242.96	89.93	1,469.26	-4,386.73	1,898.40	1,525.98	372.42	5.097			
11,700.00	6,951.36	6,991.36	6,991.36	144.48	242.95	89.94	1,469.26	-4,386.73	1,859.43	1,481.85	377.58	4.925			
11,800.00	6,951.63	6,991.63	6,991.63	147.26	242.94	89.95	1,469.26	-4,386.73	1,825.11	1,442.48	382.63	4.770			
11,900.00	6,951.90	6,991.90	6,991.90	150.03	242.93	89.96	1,469.26	-4,386.73	1,795.71	1,408.20	387.51	4.634			
12,000.00	6,952.16	6,992.16	6,992.16	152.82	242.92	89.97	1,469.26	-4,386.73	1,771.48	1,379.34	392.14	4.517			
12,100.00	6,952.43	6,992.43	6,992.43	155.60	242.91	89.98	1,469.26	-4,386.73	1,752.62	1,356.17	396.45	4.421			
12,200.00	6,952.69	6,992.69	6,992.69	158.39	242.90	89.98	1,469.26	-4,386.73	1,739.32	1,338.94	400.38	4.344			
12,300.00	6,952.96	6,992.96	6,992.96	161.18	242.89	89.99	1,469.26	-4,386.73	1,731.70	1,327.84	403.86	4.288			
12,382.25	6,953.18	6,993.18	6,993.18	163.48	242.89	90.00	1,469.26	-4,386.73	1,729.74	1,323.39	406.36	4.257 CC			
12,400.00	6,953.23	6,993.23	6,993.23	163.97	242.88	90.00	1,469.26	-4,386.73	1,729.84	1,322.98	406.85	4.252 ES			
12,500.00	6,953.49	6,993.49	6,993.49	166.77	242.87	90.01	1,469.26	-4,386.73	1,733.75	1,324.43	409.31	4.236 SF			
12,600.00	6,953.76	6,993.76	6,993.76	169.56	242.87	90.02	1,469.26	-4,386.73	1,743.40	1,332.17	411.23	4.239			
12,700.00	6,954.02	6,994.02	6,994.02	172.36	242.86	90.03	1,469.26	-4,386.73	1,758.69	1,346.09	412.60	4.262			
12,800.00	6,954.29	6,994.29	6,994.29	175.16	242.85	90.04	1,469.26	-4,386.73	1,779.47	1,366.04	413.43	4.304			
12,900.00	6,954.56	6,994.56	6,994.56	177.97	242.84	90.05	1,469.26	-4,386.73	1,805.57	1,391.80	413.77	4.364			
13,000.00	6,954.82	6,994.82	6,994.82	180.77	242.83	90.05	1,469.26	-4,386.73	1,836.74	1,423.11	413.63	4.441			
13,100.00	6,955.09	6,995.09	6,995.09	183.58	242.82	90.06	1,469.26	-4,386.73	1,872.75	1,459.67	413.07	4.534			
13,200.00	6,955.35	6,995.35	6,995.35	186.38	242.81	90.07	1,469.26	-4,386.73	1,913.30	1,501.15	412.15	4.642			
13,300.00	6,955.62	6,995.62	6,995.62	189.19	242.80	90.08	1,469.26	-4,386.73	1,958.13	1,547.22	410.91	4.765			
13,400.00	6,955.89	6,995.89	6,995.89	192.00	242.79	90.09	1,469.26	-4,386.73	2,006.94	1,597.53	409.41	4.902			
13,500.00	6,956.15	6,996.15	6,996.15	194.82	242.78	90.10	1,469.26	-4,386.73	2,059.46	1,651.76	407.70	5.051			
13,600.00	6,956.42	6,996.42	6,996.42	197.63	242.77	90.11	1,469.26	-4,386.73	2,115.40	1,709.58	405.82	5.213			
13,700.00	6,956.68	6,996.68	6,996.68	200.44	242.76	90.12	1,469.26	-4,386.73	2,174.50	1,770.70	403.81	5.385			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	7,003.05	6,996.95	203.26	242.75	90.12	1,469.26	-4,386.73	2,236.52	1,834.81	401.71	5.568		
13,900.00	6,957.22	7,002.78	6,997.22	206.08	242.74	90.13	1,469.26	-4,386.73	2,301.21	1,901.66	399.55	5.759		
14,000.00	6,957.48	7,002.52	6,997.48	208.89	242.74	90.14	1,469.26	-4,386.73	2,368.36	1,971.00	397.36	5.960		
14,100.00	6,957.75	7,002.25	6,997.75	211.71	242.73	90.15	1,469.26	-4,386.73	2,437.76	2,042.60	395.16	6.169		
14,200.00	6,958.02	7,001.99	6,998.02	214.53	242.72	90.16	1,469.26	-4,386.73	2,509.22	2,116.26	392.96	6.385		
14,300.00	6,958.28	7,001.72	6,998.28	217.36	242.71	90.17	1,469.26	-4,386.73	2,582.59	2,191.80	390.79	6.609		
14,400.00	6,958.55	7,001.45	6,998.55	220.18	242.70	90.18	1,469.26	-4,386.73	2,657.69	2,269.04	388.64	6.838		
14,500.00	6,958.81	7,001.19	6,998.81	223.00	242.69	90.19	1,469.26	-4,386.73	2,734.38	2,347.84	386.54	7.074		
14,600.00	6,959.08	7,000.92	6,999.08	225.83	242.68	90.20	1,469.26	-4,386.73	2,812.54	2,428.06	384.48	7.315		
14,700.00	6,959.35	7,000.65	6,999.35	228.65	242.67	90.20	1,469.26	-4,386.73	2,892.05	2,509.56	382.48	7.561		
14,800.00	6,959.61	7,000.39	6,999.61	231.48	242.66	90.21	1,469.26	-4,386.73	2,972.79	2,592.25	380.54	7.812		
14,900.00	6,959.88	7,000.12	6,999.88	234.30	242.65	90.22	1,469.26	-4,386.73	3,054.67	2,676.02	378.65	8.067		
15,000.00	6,960.14	7,000.14	7,000.14	237.13	242.65	90.23	1,469.26	-4,386.73	3,137.61	2,760.78	376.83	8.326		
15,100.00	6,960.41	7,000.41	7,000.41	239.96	242.66	90.24	1,469.26	-4,386.73	3,221.51	2,846.43	375.08	8.589		
15,200.00	6,960.68	7,000.68	7,000.68	242.79	242.67	90.25	1,469.26	-4,386.73	3,306.31	2,932.92	373.39	8.855		
15,300.00	6,960.94	7,000.94	7,000.94	245.62	242.68	90.26	1,469.26	-4,386.73	3,391.93	3,020.18	371.76	9.124		
15,400.00	6,961.21	7,001.21	7,001.21	248.45	242.69	90.27	1,469.26	-4,386.73	3,478.33	3,108.15	370.18	9.396		
15,500.00	6,961.47	7,001.47	7,001.47	251.28	242.70	90.27	1,469.26	-4,386.73	3,565.43	3,196.77	368.66	9.671		
15,600.00	6,961.74	7,001.74	7,001.74	254.11	242.71	90.28	1,469.26	-4,386.73	3,653.20	3,285.99	367.20	9.949		
15,700.00	6,962.01	7,002.01	7,002.01	256.94	242.72	90.29	1,469.26	-4,386.73	3,741.58	3,375.78	365.79	10.229		
15,800.00	6,962.27	7,002.27	7,002.27	259.77	242.73	90.30	1,469.26	-4,386.73	3,830.53	3,466.09	364.44	10.511		
15,900.00	6,962.54	7,002.54	7,002.54	262.61	242.74	90.31	1,469.26	-4,386.73	3,920.01	3,556.88	363.13	10.795		
16,000.00	6,962.80	7,002.80	7,002.80	265.44	242.75	90.32	1,469.26	-4,386.73	4,009.99	3,648.12	361.87	11.081		
16,100.00	6,963.07	7,003.07	7,003.07	268.28	242.75	90.33	1,469.26	-4,386.73	4,100.43	3,739.78	360.66	11.369		
16,200.00	6,963.34	7,003.34	7,003.34	271.11	242.76	90.34	1,469.26	-4,386.73	4,191.31	3,831.82	359.49	11.659		
16,300.00	6,963.60	7,003.60	7,003.60	273.95	242.77	90.35	1,469.26	-4,386.73	4,282.60	3,924.23	358.37	11.950		
16,400.00	6,963.87	7,003.87	7,003.87	276.78	242.78	90.35	1,469.26	-4,386.73	4,374.27	4,016.98	357.29	12.243		
16,500.00	6,964.13	7,004.13	7,004.13	279.62	242.79	90.36	1,469.26	-4,386.73	4,466.29	4,110.05	356.24	12.537		
16,600.00	6,964.40	7,004.40	7,004.40	282.46	242.80	90.37	1,469.26	-4,386.73	4,558.65	4,203.41	355.24	12.833		
16,700.00	6,964.67	7,004.67	7,004.67	285.29	242.81	90.38	1,469.26	-4,386.73	4,651.33	4,297.06	354.27	13.129		
16,800.00	6,964.93	7,004.93	7,004.93	288.13	242.82	90.39	1,469.26	-4,386.73	4,744.30	4,390.96	353.33	13.427		
16,900.00	6,965.20	7,005.20	7,005.20	290.97	242.83	90.40	1,469.26	-4,386.73	4,837.55	4,485.12	352.43	13.726		
17,000.00	6,965.46	7,005.46	7,005.46	293.81	242.84	90.41	1,469.26	-4,386.73	4,931.07	4,579.51	351.57	14.026		
17,100.00	6,965.73	7,005.73	7,005.73	296.65	242.85	90.42	1,469.26	-4,386.73	5,024.84	4,674.11	350.73	14.327		
17,200.00	6,966.00	7,006.00	7,006.00	299.49	242.86	90.42	1,469.26	-4,386.73	5,118.84	4,768.92	349.92	14.629		
17,300.00	6,966.26	7,006.26	7,006.26	302.32	242.87	90.43	1,469.26	-4,386.73	5,213.07	4,863.93	349.14	14.931		
17,400.00	6,966.53	7,006.53	7,006.53	305.16	242.88	90.44	1,469.26	-4,386.73	5,307.51	4,959.12	348.39	15.235		
17,500.00	6,966.80	7,006.80	7,006.80	308.00	242.88	90.45	1,469.26	-4,386.73	5,402.15	5,054.49	347.66	15.539		
17,600.00	6,967.06	7,007.06	7,007.06	310.85	242.89	90.46	1,469.26	-4,386.73	5,496.97	5,150.02	346.96	15.843		
17,700.00	6,967.33	7,007.33	7,007.33	313.69	242.90	90.47	1,469.26	-4,386.73	5,591.98	5,245.70	346.28	16.149		
17,800.00	6,967.59	7,007.59	7,007.59	316.53	242.91	90.48	1,469.26	-4,386.73	5,687.16	5,341.54	345.62	16.455		
17,900.00	6,967.86	7,007.86	7,007.86	319.37	242.92	90.49	1,469.26	-4,386.73	5,782.50	5,437.52	344.99	16.761		
18,000.00	6,968.13	7,008.13	7,008.13	322.21	242.93	90.50	1,469.26	-4,386.73	5,878.00	5,533.63	344.37	17.069		
18,100.00	6,968.39	7,008.39	7,008.39	325.05	242.94	90.50	1,469.26	-4,386.73	5,973.64	5,629.86	343.78	17.376		
18,200.00	6,968.66	7,008.66	7,008.66	327.90	242.95	90.51	1,469.26	-4,386.73	6,069.43	5,726.22	343.21	17.684		
18,300.00	6,968.92	7,008.92	7,008.92	330.74	242.96	90.52	1,469.26	-4,386.73	6,165.35	5,822.69	342.66	17.993		
18,400.00	6,969.19	7,009.19	7,009.19	333.58	242.97	90.53	1,469.26	-4,386.73	6,261.39	5,919.27	342.12	18.302		
18,500.00	6,969.46	7,009.46	7,009.46	336.43	242.98	90.54	1,469.26	-4,386.73	6,357.56	6,015.96	341.60	18.611		
18,600.00	6,969.72	7,009.72	7,009.72	339.27	242.99	90.55	1,469.26	-4,386.73	6,453.85	6,112.75	341.10	18.921		
18,704.56	6,970.00	7,010.00	7,010.00	342.24	243.00	90.56	1,469.26	-4,386.73	6,554.64	6,214.05	340.59	19.245		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	164.48	-3,676.56	1,021.05	3,815.71					
100.00	100.00	78.47	78.47	3.28	3.28	164.48	-3,676.81	1,020.73	3,815.90	3,809.33	6.57	580.867		
200.00	200.00	168.25	168.25	3.34	3.32	164.50	-3,677.54	1,019.99	3,816.46	3,809.80	6.66	573.197		
300.00	299.98	291.66	291.65	3.44	3.44	64.54	-3,678.23	1,019.75	3,816.22	3,809.33	6.88	554.319		
400.00	399.84	384.67	384.66	3.60	3.58	64.64	-3,678.29	1,019.93	3,814.08	3,806.91	7.18	531.336		
500.00	499.45	491.45	491.44	3.80	3.79	64.83	-3,678.39	1,020.28	3,810.54	3,802.95	7.59	502.223		
600.00	598.70	584.62	584.60	4.05	4.01	65.07	-3,678.38	1,020.72	3,805.46	3,797.41	8.05	472.845		
700.00	697.47	686.88	686.87	4.33	4.28	65.40	-3,678.50	1,021.04	3,799.03	3,790.43	8.60	441.631		
803.50	799.05	797.57	797.55	4.67	4.60	65.84	-3,678.39	1,021.46	3,790.73	3,781.48	9.26	409.489		
900.00	893.41	900.00	899.99	5.02	4.92	66.13	-3,678.05	1,021.85	3,782.15	3,772.23	9.92	381.454		
1,000.00	991.20	984.37	984.35	5.41	5.19	66.37	-3,677.88	1,022.02	3,773.41	3,762.84	10.57	357.066		
1,100.00	1,088.99	1,077.79	1,077.77	5.81	5.51	66.64	-3,677.95	1,022.14	3,765.02	3,753.74	11.28	333.666		
1,200.00	1,186.78	1,179.55	1,179.54	6.23	5.87	66.94	-3,678.05	1,022.17	3,756.73	3,744.68	12.05	311.780		
1,300.00	1,284.57	1,270.02	1,270.00	6.67	6.19	67.21	-3,678.13	1,022.17	3,748.53	3,735.73	12.80	292.926		
1,400.00	1,382.36	1,379.12	1,379.11	7.12	6.59	67.53	-3,678.29	1,022.30	3,740.51	3,726.87	13.63	274.384		
1,500.00	1,480.15	1,473.61	1,473.60	7.57	6.94	67.81	-3,678.21	1,022.28	3,732.32	3,717.89	14.43	258.699		
1,600.00	1,577.94	1,573.55	1,573.53	8.03	7.31	68.12	-3,678.29	1,022.04	3,724.35	3,709.10	15.25	244.186		
1,700.00	1,675.73	1,663.65	1,663.63	8.50	7.65	68.39	-3,678.33	1,021.87	3,716.47	3,700.41	16.05	231.506		
1,800.00	1,773.52	1,754.55	1,754.54	8.98	8.00	68.67	-3,678.66	1,021.61	3,708.96	3,692.09	16.87	219.855		
1,900.00	1,871.31	1,848.42	1,848.40	9.45	8.37	68.96	-3,679.13	1,021.18	3,701.65	3,683.95	17.71	209.040		
2,000.00	1,969.10	1,952.66	1,952.64	9.94	8.78	69.28	-3,679.70	1,020.71	3,694.52	3,675.92	18.59	198.700		
2,100.00	2,066.88	2,053.51	2,053.49	10.42	9.18	69.60	-3,680.00	1,019.97	3,687.18	3,667.71	19.47	189.357		
2,200.00	2,164.67	2,154.39	2,154.36	10.91	9.59	69.93	-3,680.42	1,019.01	3,680.05	3,659.69	20.36	180.777		
2,300.00	2,262.46	2,255.08	2,255.05	11.40	10.00	70.25	-3,680.62	1,017.96	3,672.80	3,651.55	21.25	172.866		
2,400.00	2,360.25	2,350.06	2,350.02	11.89	10.38	70.56	-3,680.90	1,016.92	3,665.74	3,643.62	22.12	165.728		
2,500.00	2,458.04	2,448.25	2,448.20	12.39	10.78	70.88	-3,681.15	1,016.09	3,658.81	3,635.80	23.01	159.015		
2,600.00	2,555.83	2,550.38	2,550.33	12.88	11.20	71.21	-3,681.37	1,015.21	3,651.96	3,628.04	23.92	152.681		
2,700.00	2,653.62	2,652.42	2,652.37	13.38	11.62	71.54	-3,681.42	1,014.23	3,645.05	3,620.21	24.83	146.791		
2,800.00	2,751.41	2,753.27	2,753.22	13.88	12.04	71.87	-3,681.38	1,013.48	3,638.19	3,612.45	25.74	141.332		
2,900.00	2,849.20	2,848.59	2,848.53	14.38	12.44	72.18	-3,681.28	1,012.68	3,631.37	3,604.74	26.63	136.343		
3,000.00	2,946.99	2,937.19	2,937.13	14.88	12.81	72.48	-3,681.37	1,011.85	3,624.88	3,597.37	27.50	131.800		
3,100.00	3,044.78	3,029.33	3,029.26	15.38	13.19	72.78	-3,681.67	1,011.17	3,618.73	3,590.34	28.39	127.469		
3,200.00	3,142.57	3,127.22	3,127.15	15.89	13.60	73.10	-3,681.96	1,010.67	3,612.70	3,583.40	29.30	123.299		
3,300.00	3,240.36	3,218.64	3,218.56	16.39	13.99	73.39	-3,682.31	1,010.64	3,606.92	3,576.74	30.19	119.493		
3,400.00	3,338.15	3,318.03	3,317.96	16.89	14.40	73.71	-3,682.74	1,010.61	3,601.31	3,570.20	31.10	115.783		
3,500.00	3,435.93	3,417.41	3,417.34	17.40	14.82	74.03	-3,683.07	1,010.60	3,595.72	3,563.70	32.02	112.279		
3,600.00	3,533.72	3,505.25	3,505.17	17.90	15.19	74.31	-3,683.51	1,010.67	3,590.41	3,557.51	32.90	109.131		
3,700.00	3,631.51	3,612.88	3,612.81	18.41	15.65	74.66	-3,684.07	1,010.41	3,585.20	3,551.34	33.86	105.886		
3,800.00	3,729.30	3,697.29	3,697.21	18.92	16.01	74.94	-3,684.60	1,010.06	3,580.19	3,545.46	34.73	103.097		
3,900.00	3,827.09	3,809.12	3,809.04	19.42	16.49	75.31	-3,685.23	1,009.84	3,575.26	3,539.56	35.71	100.129		
4,000.00	3,924.88	3,911.44	3,911.35	19.93	16.92	75.64	-3,685.53	1,009.74	3,570.20	3,533.55	36.65	97.416		
4,100.00	4,022.67	4,009.63	4,009.55	20.44	17.34	75.96	-3,685.74	1,009.73	3,565.18	3,527.61	37.57	94.885		
4,200.00	4,120.46	4,110.82	4,110.73	20.95	17.77	76.29	-3,685.89	1,009.81	3,560.22	3,521.71	38.51	92.452		
4,300.00	4,218.25	4,209.02	4,208.94	21.46	18.17	76.61	-3,685.97	1,010.15	3,555.32	3,515.89	39.43	90.175		
4,400.00	4,316.04	4,300.30	4,300.21	21.97	18.56	76.90	-3,686.13	1,010.50	3,550.62	3,510.30	40.32	88.064		
4,500.00	4,413.83	4,402.89	4,402.80	22.48	18.98	77.23	-3,686.32	1,011.03	3,546.06	3,504.80	41.26	85.950		
4,600.00	4,511.62	4,493.57	4,493.48	22.99	19.36	77.52	-3,686.51	1,011.57	3,541.64	3,499.49	42.15	84.027		
4,700.00	4,609.41	4,588.52	4,588.43	23.50	19.77	77.83	-3,686.86	1,011.97	3,537.48	3,494.41	43.06	82.148		
4,800.00	4,707.20	4,687.14	4,687.05	24.01	20.18	78.15	-3,687.26	1,012.35	3,533.46	3,489.47	43.99	80.321		
4,900.00	4,804.98	4,788.18	4,788.09	24.52	20.53	78.42	-3,687.73	1,012.69	3,529.74	3,484.89	44.85	78.699		
5,000.00	4,902.77	4,886.65	4,886.56	25.03	20.91	78.71	-3,688.68	1,012.93	3,526.59	3,480.84	45.74	77.096		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - OTTOSON #2(PA) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-MWD													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	5,000.56	4,953.34	4,953.24	25.54	21.32	79.03	-3,689.80	1,012.88	3,523.65	3,476.98	46.67	75.499		
5,200.00	5,098.35	5,057.77	5,057.65	26.05	21.77	79.39	-3,690.98	1,012.59	3,520.80	3,473.16	47.63	73.913		
5,300.00	5,196.14	5,157.99	5,157.87	26.56	22.21	79.73	-3,691.88	1,012.10	3,517.84	3,469.26	48.58	72.414		
5,400.00	5,293.93	5,260.46	5,260.33	27.07	22.65	80.08	-3,692.81	1,011.82	3,515.02	3,465.48	49.54	70.960		
5,500.00	5,391.72	5,370.97	5,370.85	27.58	23.12	80.45	-3,693.48	1,011.78	3,512.03	3,461.50	50.52	69.511		
5,600.00	5,489.51	5,485.92	5,485.80	28.09	23.61	80.84	-3,693.70	1,011.66	3,508.75	3,457.22	51.53	68.095		
5,700.00	5,587.30	5,570.13	5,570.01	28.61	23.97	81.13	-3,693.75	1,011.41	3,505.48	3,453.08	52.40	66.894		
5,800.00	5,685.09	5,679.15	5,679.03	29.12	24.43	81.50	-3,694.08	1,011.27	3,502.57	3,449.19	53.38	65.619		
5,900.00	5,782.88	5,777.42	5,777.30	29.63	24.84	81.83	-3,694.01	1,011.42	3,499.40	3,445.10	54.30	64.443		
6,000.00	5,880.67	5,867.69	5,867.56	30.14	25.22	82.13	-3,694.10	1,011.73	3,496.51	3,441.31	55.20	63.343		
6,100.00	5,978.46	5,973.92	5,973.79	30.65	25.67	82.49	-3,694.28	1,011.93	3,493.81	3,437.65	56.16	62.209		
6,200.00	6,076.25	6,064.76	6,064.63	31.17	26.05	82.80	-3,694.26	1,012.00	3,491.06	3,434.00	57.06	61.181		
6,298.86	6,172.92	6,166.13	6,166.00	31.67	26.48	83.14	-3,694.48	1,012.21	3,488.68	3,430.68	58.00	60.151		
6,300.00	6,174.03	6,167.46	6,167.33	31.68	26.48	83.05	-3,694.48	1,012.21	3,488.65	3,430.64	58.01	60.139		
6,350.00	6,223.30	6,222.92	6,222.79	31.92	26.71	76.93	-3,694.43	1,012.29	3,487.21	3,428.73	58.48	59.627		
6,400.00	6,273.06	6,274.89	6,274.76	32.13	26.93	55.45	-3,694.34	1,012.43	3,485.49	3,426.58	58.91	59.164		
6,450.00	6,323.01	6,329.14	6,329.01	32.32	27.15	-35.14	-3,694.21	1,012.64	3,483.49	3,424.17	59.32	58.724		
6,500.00	6,372.84	6,385.18	6,385.05	32.48	27.39	-67.66	-3,693.97	1,012.76	3,481.19	3,421.47	59.72	58.293		
6,550.00	6,422.24	6,432.08	6,431.95	32.65	27.58	-75.76	-3,693.72	1,012.78	3,478.64	3,418.55	60.08	57.896		
6,600.00	6,470.92	6,475.16	6,475.04	32.83	27.76	-79.45	-3,693.57	1,012.85	3,476.00	3,415.56	60.44	57.511		
6,650.00	6,518.56	6,520.45	6,520.32	33.01	27.95	-81.72	-3,693.47	1,012.97	3,473.32	3,412.50	60.82	57.113		
6,700.00	6,564.89	6,568.89	6,568.76	33.21	28.15	-83.40	-3,693.35	1,013.03	3,470.58	3,409.37	61.21	56.695		
6,750.00	6,609.60	6,620.21	6,620.08	33.43	28.36	-84.79	-3,693.17	1,013.03	3,467.84	3,406.20	61.64	56.260		
6,800.00	6,652.43	6,677.87	6,677.74	33.66	28.60	-86.09	-3,692.77	1,013.02	3,465.06	3,402.95	62.11	55.793		
6,850.00	6,693.10	6,725.80	6,725.66	33.91	28.80	-87.20	-3,692.28	1,013.03	3,462.35	3,399.79	62.55	55.350		
6,900.00	6,731.38	6,766.52	6,766.38	34.20	28.97	-88.17	-3,691.81	1,013.06	3,459.92	3,396.92	63.00	54.920		
6,950.00	6,767.02	6,804.39	6,804.25	34.51	29.13	-89.04	-3,691.35	1,013.10	3,457.88	3,394.42	63.46	54.489		
7,000.00	6,799.81	6,834.93	6,834.78	34.85	29.26	-89.76	-3,690.98	1,013.18	3,456.37	3,392.45	63.92	54.070		
7,050.00	6,829.54	6,939.33	6,860.53	35.24	29.69	-90.34	-3,690.66	1,013.25	3,455.48	3,390.75	64.73	53.381		
7,085.44	6,848.66	6,920.47	6,879.38	35.53	29.61	-90.71	-3,690.46	1,013.41	3,455.29	3,390.35	64.94	53.207 CC		
7,100.00	6,856.03	6,913.21	6,886.64	35.66	29.58	-90.85	-3,690.38	1,013.47	3,455.33	3,390.30	65.03	53.136 ES		
7,150.00	6,879.11	6,909.48	6,909.34	36.12	29.57	-91.23	-3,690.13	1,013.66	3,455.95	3,390.50	65.46	52.799		
7,200.00	6,898.65	6,928.62	6,928.47	36.62	29.65	-91.46	-3,689.92	1,013.83	3,457.42	3,391.41	66.01	52.374		
7,250.00	6,914.51	6,944.08	6,943.93	37.15	29.71	-91.56	-3,689.75	1,013.96	3,459.78	3,393.19	66.59	51.955		
7,300.00	6,926.62	6,955.76	6,955.61	37.73	29.76	-91.49	-3,689.63	1,014.06	3,463.07	3,395.89	67.18	51.546		
7,350.00	6,934.88	6,963.61	6,963.45	38.34	29.79	-91.27	-3,689.54	1,014.12	3,467.30	3,399.51	67.79	51.150		
7,400.00	6,939.26	6,967.55	6,967.40	38.97	29.81	-90.88	-3,689.50	1,014.16	3,472.47	3,404.08	68.39	50.773		
7,429.12	6,940.00	6,968.05	6,967.90	39.34	29.81	-90.58	-3,689.49	1,014.16	3,475.91	3,407.16	68.74	50.564		
7,500.00	6,940.19	6,967.64	6,967.48	40.31	29.81	-90.58	-3,689.50	1,014.16	3,485.35	3,415.72	69.63	50.056		
7,600.00	6,940.46	6,967.05	6,966.90	41.80	29.81	-90.57	-3,689.50	1,014.15	3,501.07	3,430.09	70.98	49.322		
7,700.00	6,940.72	6,966.47	6,966.32	43.43	29.80	-90.56	-3,689.51	1,014.15	3,519.56	3,447.12	72.44	48.586		
7,800.00	6,940.99	6,965.89	6,965.73	45.19	29.80	-90.55	-3,689.51	1,014.14	3,540.78	3,466.81	73.97	47.865		
7,900.00	6,941.25	6,965.30	6,965.15	47.05	29.80	-90.54	-3,689.52	1,014.14	3,564.69	3,489.12	75.57	47.171		
8,000.00	6,941.52	6,964.72	6,964.56	49.02	29.80	-90.53	-3,689.53	1,014.13	3,591.21	3,514.01	77.21	46.514		
8,100.00	6,941.79	6,964.13	6,963.98	51.06	29.79	-90.52	-3,689.53	1,014.13	3,620.31	3,541.44	78.87	45.900		
8,200.00	6,942.05	6,963.55	6,963.40	53.18	29.79	-90.51	-3,689.54	1,014.12	3,651.91	3,571.36	80.55	45.336		
8,300.00	6,942.32	6,962.97	6,962.81	55.37	29.79	-90.50	-3,689.55	1,014.12	3,685.96	3,603.72	82.23	44.822		
8,400.00	6,942.58	6,962.38	6,962.23	57.62	29.79	-90.49	-3,689.55	1,014.11	3,722.38	3,638.47	83.91	44.362		
8,500.00	6,942.85	6,961.80	6,961.65	59.92	29.79	-90.48	-3,689.56	1,014.11	3,761.11	3,675.54	85.57	43.955		
8,600.00	6,943.12	6,961.22	6,961.06	62.26	29.78	-90.47	-3,689.57	1,014.10	3,802.07	3,714.87	87.20	43.601		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-MWD														
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	
8,700.00	6,943.38	6,960.63	6,960.48	64.65	29.78	-90.46	-3,689.57	1,014.10	3,845.20	3,756.40	88.81	43.299		
8,800.00	6,943.65	6,960.05	6,959.90	67.08	29.78	-90.45	-3,689.58	1,014.09	3,890.43	3,800.05	90.38	43.046		
8,900.00	6,943.91	6,959.47	6,959.31	69.53	29.78	-90.44	-3,689.58	1,014.09	3,937.67	3,845.76	91.91	42.842		
9,000.00	6,944.18	6,958.88	6,958.73	72.02	29.77	-90.43	-3,689.59	1,014.08	3,986.86	3,893.46	93.40	42.684		
9,100.00	6,944.45	6,958.30	6,958.15	74.54	29.77	-90.42	-3,689.60	1,014.08	4,037.93	3,943.08	94.85	42.570		
9,200.00	6,944.71	6,957.72	6,957.56	77.07	29.77	-90.41	-3,689.60	1,014.07	4,090.81	3,994.55	96.26	42.498		
9,300.00	6,944.98	6,957.13	6,956.98	79.63	29.77	-90.40	-3,689.61	1,014.07	4,145.42	4,047.80	97.62	42.466 SF		
9,400.00	6,945.24	6,956.55	6,956.40	82.21	29.76	-90.39	-3,689.62	1,014.06	4,201.71	4,102.78	98.93	42.471		
9,500.00	6,945.51	6,955.96	6,955.81	84.81	29.76	-90.38	-3,689.62	1,014.06	4,259.60	4,159.40	100.20	42.511		
9,600.00	6,945.78	6,955.38	6,955.23	87.43	29.76	-90.37	-3,689.63	1,014.05	4,319.03	4,217.60	101.42	42.585		
9,700.00	6,946.04	6,954.80	6,954.64	90.05	29.76	-90.36	-3,689.64	1,014.05	4,379.93	4,277.33	102.60	42.690		
9,800.00	6,946.31	6,954.21	6,954.06	92.70	29.75	-90.35	-3,689.64	1,014.04	4,442.25	4,338.52	103.73	42.825		
9,900.00	6,946.57	6,953.63	6,953.48	95.35	29.75	-90.34	-3,689.65	1,014.04	4,505.93	4,401.11	104.82	42.988		
10,000.00	6,946.84	6,953.05	6,952.89	98.02	29.75	-90.33	-3,689.65	1,014.03	4,570.91	4,465.05	105.86	43.177		
10,100.00	6,947.11	6,952.46	6,952.31	100.70	29.75	-90.32	-3,689.66	1,014.03	4,637.14	4,530.27	106.87	43.392		
10,200.00	6,947.37	6,951.88	6,951.73	103.38	29.74	-90.31	-3,689.67	1,014.02	4,704.56	4,596.73	107.83	43.629		
10,300.00	6,947.64	6,951.30	6,951.14	106.08	29.74	-90.30	-3,689.67	1,014.02	4,773.12	4,664.37	108.75	43.889		
10,400.00	6,947.90	6,950.71	6,950.56	108.78	29.74	-90.29	-3,689.68	1,014.01	4,842.78	4,733.14	109.64	44.169		
10,500.00	6,948.17	6,950.13	6,949.98	111.49	29.74	-90.28	-3,689.69	1,014.01	4,913.48	4,802.99	110.49	44.469		
10,600.00	6,948.44	6,949.55	6,949.39	114.21	29.73	-90.27	-3,689.69	1,014.00	4,985.19	4,873.88	111.31	44.788		
10,700.00	6,948.70	6,948.96	6,948.81	116.94	29.73	-90.26	-3,689.70	1,014.00	5,057.86	4,945.77	112.09	45.124		
10,800.00	6,948.97	6,948.38	6,948.23	119.67	29.73	-90.26	-3,689.71	1,013.99	5,131.45	5,018.61	112.84	45.476		
10,900.00	6,949.24	6,947.79	6,947.64	122.41	29.73	-90.25	-3,689.71	1,013.99	5,205.91	5,092.36	113.56	45.844		
11,000.00	6,949.50	6,947.21	6,947.06	125.15	29.72	-90.24	-3,689.72	1,013.98	5,281.23	5,166.98	114.24	46.227		
11,100.00	6,949.77	6,946.63	6,946.48	127.90	29.72	-90.23	-3,689.72	1,013.98	5,357.35	5,242.44	114.91	46.624		
11,200.00	6,950.03	6,946.04	6,945.89	130.65	29.72	-90.22	-3,689.73	1,013.97	5,434.24	5,318.70	115.54	47.034		
11,300.00	6,950.30	6,945.46	6,945.31	133.41	29.72	-90.21	-3,689.74	1,013.97	5,511.88	5,395.73	116.15	47.456		
11,400.00	6,950.57	6,944.88	6,944.73	136.17	29.71	-90.20	-3,689.74	1,013.96	5,590.22	5,473.49	116.73	47.890		
11,500.00	6,950.83	6,944.29	6,944.14	138.94	29.71	-90.19	-3,689.75	1,013.96	5,669.25	5,551.96	117.29	48.336		
11,600.00	6,951.10	6,943.71	6,943.56	141.71	29.71	-90.18	-3,689.76	1,013.95	5,748.93	5,631.10	117.83	48.792		
11,700.00	6,951.36	6,943.13	6,942.97	144.48	29.71	-90.17	-3,689.76	1,013.95	5,829.24	5,710.90	118.34	49.258		
11,800.00	6,951.63	6,942.54	6,942.39	147.26	29.70	-90.16	-3,689.77	1,013.94	5,910.14	5,791.31	118.84	49.734		
11,900.00	6,951.90	6,941.96	6,941.81	150.03	29.70	-90.15	-3,689.78	1,013.94	5,991.63	5,872.32	119.31	50.219		
12,000.00	6,952.16	6,941.38	6,941.22	152.82	29.70	-90.14	-3,689.78	1,013.93	6,073.66	5,953.90	119.77	50.712		
12,100.00	6,952.43	6,940.79	6,940.64	155.60	29.70	-90.13	-3,689.79	1,013.93	6,156.23	6,036.03	120.21	51.214		
12,200.00	6,952.69	6,940.21	6,940.06	158.39	29.69	-90.12	-3,689.79	1,013.92	6,239.31	6,118.68	120.63	51.723		
12,300.00	6,952.96	6,939.62	6,939.47	161.18	29.69	-90.11	-3,689.80	1,013.92	6,322.88	6,201.84	121.03	52.240		
12,400.00	6,953.23	6,939.04	6,938.89	163.97	29.69	-90.10	-3,689.81	1,013.91	6,406.92	6,285.49	121.43	52.764		
12,500.00	6,953.49	6,938.46	6,938.31	166.77	29.69	-90.09	-3,689.81	1,013.91	6,491.41	6,369.61	121.80	53.295		
12,600.00	6,953.76	6,937.87	6,937.72	169.56	29.69	-90.08	-3,689.82	1,013.90	6,576.34	6,454.17	122.16	53.832		
12,700.00	6,954.02	6,937.29	6,937.14	172.36	29.68	-90.07	-3,689.83	1,013.90	6,661.68	6,539.17	122.51	54.375		
12,800.00	6,954.29	6,936.71	6,936.56	175.16	29.68	-90.06	-3,689.83	1,013.89	6,747.43	6,624.58	122.85	54.925		
12,900.00	6,954.56	6,936.12	6,935.97	177.97	29.68	-90.05	-3,689.84	1,013.89	6,833.56	6,710.39	123.17	55.479		
13,000.00	6,954.82	6,935.54	6,935.39	180.77	29.68	-90.04	-3,689.85	1,013.88	6,920.07	6,796.59	123.49	56.039		
13,100.00	6,955.09	6,934.96	6,934.81	183.58	29.67	-90.03	-3,689.85	1,013.88	7,006.94	6,883.15	123.79	56.605		
13,200.00	6,955.35	6,934.37	6,934.22	186.38	29.67	-90.02	-3,689.86	1,013.87	7,094.15	6,970.07	124.08	57.175		
13,300.00	6,955.62	6,933.79	6,933.64	189.19	29.67	-90.01	-3,689.86	1,013.87	7,181.70	7,057.34	124.36	57.749		
13,400.00	6,955.89	6,933.21	6,933.05	192.00	29.67	-90.00	-3,689.87	1,013.86	7,269.56	7,144.93	124.63	58.328		
13,500.00	6,956.15	6,932.62	6,932.47	194.82	29.66	-89.99	-3,689.88	1,013.86	7,357.74	7,232.85	124.89	58.911		
13,600.00	6,956.42	6,932.04	6,931.89	197.63	29.66	-89.98	-3,689.88	1,013.85	7,446.22	7,321.07	125.15	59.499		
13,700.00	6,956.68	6,931.45	6,931.30	200.44	29.66	-89.97	-3,689.89	1,013.85	7,534.98	7,409.59	125.39	60.090		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - OTTOSON #2(PA) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-MWD													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
13,800.00	6,956.95	6,930.87	6,930.72	203.26	29.66	-89.96	-3,689.90	1,013.84	7,624.02	7,498.39	125.63	60.685		
13,900.00	6,957.22	6,930.29	6,930.14	206.08	29.65	-89.95	-3,689.90	1,013.84	7,713.33	7,587.47	125.86	61.283		
14,000.00	6,957.48	6,929.70	6,929.55	208.89	29.65	-89.95	-3,689.91	1,013.83	7,802.90	7,676.82	126.09	61.885		
14,100.00	6,957.75	6,929.12	6,928.97	211.71	29.65	-89.94	-3,689.92	1,013.83	7,892.72	7,766.42	126.30	62.490		
14,200.00	6,958.02	6,928.54	6,928.39	214.53	29.65	-89.93	-3,689.92	1,013.83	7,982.79	7,856.27	126.51	63.098		
14,300.00	6,958.28	6,927.95	6,927.80	217.36	29.64	-89.92	-3,689.93	1,013.82	8,073.08	7,946.37	126.72	63.710		
14,400.00	6,958.55	6,927.37	6,927.22	220.18	29.64	-89.91	-3,689.93	1,013.82	8,163.60	8,036.69	126.91	64.324		
14,500.00	6,958.81	6,926.79	6,926.64	223.00	29.64	-89.90	-3,689.94	1,013.81	8,254.35	8,127.24	127.11	64.940		
14,600.00	6,959.08	6,926.20	6,926.05	225.83	29.64	-89.89	-3,689.95	1,013.81	8,345.30	8,218.01	127.29	65.560		
14,700.00	6,959.35	6,925.62	6,925.47	228.65	29.63	-89.88	-3,689.95	1,013.80	8,436.46	8,308.98	127.47	66.182		
14,800.00	6,959.61	6,925.04	6,924.89	231.48	29.63	-89.87	-3,689.96	1,013.80	8,527.81	8,400.16	127.65	66.806		
14,900.00	6,959.88	6,924.45	6,924.30	234.30	29.63	-89.86	-3,689.97	1,013.79	8,619.36	8,491.54	127.82	67.432		
15,000.00	6,960.14	6,923.87	6,923.72	237.13	29.63	-89.85	-3,689.97	1,013.79	8,711.09	8,583.10	127.99	68.061		
15,100.00	6,960.41	6,923.28	6,923.14	239.96	29.62	-89.84	-3,689.98	1,013.78	8,803.01	8,674.85	128.15	68.692		
15,200.00	6,960.68	6,922.70	6,922.55	242.79	29.62	-89.83	-3,689.99	1,013.78	8,895.09	8,766.78	128.31	69.325		
15,300.00	6,960.94	6,922.12	6,921.97	245.62	29.62	-89.82	-3,689.99	1,013.77	8,987.35	8,858.89	128.46	69.960		
15,400.00	6,961.21	6,921.53	6,921.38	248.45	29.62	-89.81	-3,690.00	1,013.77	9,079.77	8,951.16	128.62	70.596		
15,500.00	6,961.47	6,920.95	6,920.80	251.28	29.61	-89.80	-3,690.00	1,013.76	9,172.35	9,043.59	128.76	71.235		
15,600.00	6,961.74	6,920.37	6,920.22	254.11	29.61	-89.79	-3,690.01	1,013.76	9,265.09	9,136.18	128.91	71.875		
15,700.00	6,962.01	6,919.78	6,919.63	256.94	29.61	-89.78	-3,690.02	1,013.75	9,357.97	9,228.92	129.05	72.517		
15,800.00	6,962.27	6,919.20	6,919.05	259.77	29.61	-89.77	-3,690.02	1,013.75	9,451.00	9,321.82	129.18	73.160		
15,900.00	6,962.54	6,918.62	6,918.47	262.61	29.60	-89.76	-3,690.03	1,013.74	9,544.17	9,414.85	129.32	73.805		
16,000.00	6,962.80	6,918.03	6,917.88	265.44	29.60	-89.75	-3,690.04	1,013.74	9,637.47	9,508.03	129.45	74.451		
16,100.00	6,963.07	6,917.45	6,917.30	268.28	29.60	-89.74	-3,690.04	1,013.73	9,730.91	9,601.34	129.58	75.098		
16,200.00	6,963.34	6,916.87	6,916.72	271.11	29.60	-89.73	-3,690.05	1,013.73	9,824.48	9,694.78	129.70	75.747		
16,300.00	6,963.60	6,916.28	6,916.13	273.95	29.59	-89.72	-3,690.06	1,013.72	9,918.18	9,788.35	129.82	76.397		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
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	
0.00	0.00	0.00	0.00	3.28	3.28	139.93	-1,170.86	984.79	1,530.37					
100.00	100.00	69.40	69.40	3.28	3.28	139.94	-1,170.81	984.67	1,529.83	1,523.27	6.57	232.917		
200.00	200.00	173.90	173.89	3.34	3.32	139.94	-1,170.52	984.15	1,529.30	1,522.64	6.66	229.620		
300.00	299.98	271.78	271.78	3.44	3.42	40.02	-1,170.16	983.63	1,527.34	1,520.48	6.86	222.718		
400.00	399.84	374.15	374.15	3.60	3.56	40.21	-1,169.84	983.15	1,522.80	1,515.64	7.16	212.660		
500.00	499.45	476.51	476.50	3.80	3.76	40.53	-1,169.33	982.50	1,515.36	1,507.81	7.56	200.529		
600.00	598.70	575.66	575.64	4.05	3.98	40.97	-1,168.75	981.84	1,505.23	1,497.20	8.03	187.558		
700.00	697.47	675.68	675.66	4.33	4.24	41.55	-1,168.21	981.10	1,492.52	1,483.95	8.56	174.275		
803.50	799.05	779.27	779.25	4.67	4.53	42.30	-1,167.64	980.12	1,476.60	1,467.41	9.18	160.777		
900.00	893.41	872.75	872.72	5.02	4.82	42.84	-1,167.11	979.13	1,460.53	1,450.74	9.80	149.072		
1,000.00	991.20	971.03	970.99	5.41	5.14	43.42	-1,166.58	978.13	1,444.07	1,433.59	10.47	137.884		
1,100.00	1,088.99	1,068.10	1,068.05	5.81	5.46	44.01	-1,166.11	976.99	1,427.70	1,416.52	11.18	127.725		
1,200.00	1,186.78	1,164.80	1,164.75	6.23	5.80	44.61	-1,165.64	975.98	1,411.56	1,399.65	11.91	118.528		
1,300.00	1,284.57	1,264.47	1,264.41	6.67	6.16	45.23	-1,165.01	975.09	1,395.56	1,382.89	12.67	110.120		
1,400.00	1,382.36	1,362.19	1,362.12	7.12	6.52	45.86	-1,164.30	974.10	1,379.57	1,366.12	13.45	102.570		
1,500.00	1,480.15	1,459.08	1,459.01	7.57	6.88	46.50	-1,163.70	973.09	1,363.82	1,349.58	14.24	95.770		
1,600.00	1,577.94	1,555.63	1,555.55	8.03	7.25	47.14	-1,163.03	972.25	1,348.28	1,333.23	15.04	89.621		
1,700.00	1,675.73	1,651.38	1,651.30	8.50	7.62	47.79	-1,162.44	971.50	1,333.03	1,317.17	15.86	84.065		
1,800.00	1,773.52	1,749.54	1,749.45	8.98	8.00	48.49	-1,162.09	970.51	1,318.06	1,301.37	16.69	78.979		
1,900.00	1,871.31	1,844.17	1,844.07	9.45	8.37	49.17	-1,161.65	969.60	1,303.22	1,285.70	17.52	74.393		
2,000.00	1,969.10	1,934.26	1,934.17	9.94	8.73	49.82	-1,161.52	969.22	1,289.11	1,270.77	18.34	70.292		
2,100.00	2,066.88	2,027.49	2,027.39	10.42	9.10	50.52	-1,161.85	968.87	1,275.66	1,256.48	19.18	66.518		
2,200.00	2,164.67	2,122.98	2,122.88	10.91	9.48	51.25	-1,162.49	968.48	1,262.67	1,242.64	20.03	63.043		
2,300.00	2,262.46	2,220.48	2,220.38	11.40	9.87	52.01	-1,163.15	968.26	1,249.99	1,229.10	20.89	59.829		
2,400.00	2,360.25	2,318.53	2,318.42	11.89	10.26	52.80	-1,163.89	967.86	1,237.54	1,215.77	21.76	56.860		
2,500.00	2,458.04	2,416.05	2,415.94	12.39	10.66	53.60	-1,164.68	967.34	1,225.31	1,202.67	22.64	54.119		
2,600.00	2,555.83	2,512.63	2,512.52	12.88	11.05	54.40	-1,165.46	967.00	1,213.40	1,189.88	23.52	51.594		
2,700.00	2,653.62	2,610.57	2,610.46	13.38	11.45	55.23	-1,166.22	966.75	1,201.77	1,177.36	24.41	49.242		
2,800.00	2,751.41	2,706.44	2,706.32	13.88	11.84	56.06	-1,167.07	966.49	1,190.48	1,165.19	25.29	47.074		
2,900.00	2,849.20	2,806.93	2,806.81	14.38	12.26	56.93	-1,167.87	966.31	1,179.42	1,153.23	26.19	45.028		
3,000.00	2,946.99	2,901.12	2,900.99	14.88	12.64	57.76	-1,168.62	966.27	1,168.68	1,141.60	27.08	43.157		
3,100.00	3,044.78	3,000.08	2,999.94	15.38	13.05	58.65	-1,169.50	966.25	1,158.30	1,130.32	27.99	41.389		
3,200.00	3,142.57	3,098.02	3,097.88	15.89	13.46	59.55	-1,170.35	966.11	1,148.15	1,119.26	28.89	39.739		
3,300.00	3,240.36	3,199.54	3,199.40	16.39	13.88	60.50	-1,171.10	965.84	1,138.14	1,108.32	29.81	38.174		
3,400.00	3,338.15	3,295.71	3,295.57	16.89	14.28	61.42	-1,171.71	965.59	1,128.33	1,097.60	30.72	36.726		
3,500.00	3,435.93	3,387.82	3,387.68	17.40	14.66	62.31	-1,172.57	965.42	1,119.13	1,087.51	31.62	35.393		
3,600.00	3,533.72	3,472.87	3,472.71	17.90	15.02	63.14	-1,174.01	965.44	1,111.04	1,078.54	32.49	34.192		
3,700.00	3,631.51	3,561.67	3,561.48	18.41	15.39	64.02	-1,176.44	965.82	1,104.34	1,070.96	33.38	33.083		
3,800.00	3,729.30	3,656.78	3,656.53	18.92	15.79	64.96	-1,179.49	966.55	1,098.51	1,064.21	34.29	32.033		
3,900.00	3,827.09	3,755.67	3,755.37	19.42	16.20	65.95	-1,182.68	967.36	1,093.04	1,057.82	35.22	31.032		
4,000.00	3,924.88	3,856.94	3,856.59	19.93	16.63	66.97	-1,185.78	968.12	1,087.73	1,051.57	36.17	30.077		
4,100.00	4,022.67	3,956.69	3,956.31	20.44	17.05	68.00	-1,188.55	968.67	1,082.45	1,045.35	37.10	29.174		
4,200.00	4,120.46	4,056.10	4,055.67	20.95	17.47	69.03	-1,191.28	969.07	1,077.47	1,039.42	38.04	28.322		
4,300.00	4,218.25	4,156.87	4,156.41	21.46	17.89	70.09	-1,193.81	969.49	1,072.61	1,033.62	38.99	27.510		
4,400.00	4,316.04	4,256.89	4,256.40	21.97	18.31	71.15	-1,196.09	969.78	1,067.87	1,027.93	39.93	26.741		
4,500.00	4,413.83	4,357.24	4,356.73	22.48	18.73	72.22	-1,198.18	970.11	1,063.32	1,022.44	40.88	26.009		
4,600.00	4,511.62	4,457.31	4,456.78	22.99	19.16	73.31	-1,200.05	970.22	1,058.90	1,017.06	41.83	25.314		
4,700.00	4,609.41	4,555.03	4,554.49	23.50	19.57	74.40	-1,201.80	970.02	1,054.75	1,011.98	42.77	24.660		
4,800.00	4,707.20	4,653.22	4,652.66	24.01	19.98	75.50	-1,203.61	969.74	1,051.05	1,007.34	43.72	24.043		
4,900.00	4,804.98	4,753.63	4,753.06	24.52	20.41	76.63	-1,205.29	969.58	1,047.60	1,002.93	44.67	23.452		
5,000.00	4,902.77	4,853.88	4,853.29	25.03	20.83	77.74	-1,206.68	969.75	1,044.28	998.66	45.62	22.890		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,955.55	4,954.96	25.54	21.26	78.86	-1,207.83	970.25	1,041.13	994.54	46.58	22.351		
5,200.00	5,098.35	5,054.69	5,054.09	26.05	21.68	79.97	-1,208.59	970.49	1,037.99	990.46	47.53	21.838		
5,300.00	5,196.14	5,154.43	5,153.84	26.56	22.10	81.12	-1,209.38	970.39	1,035.29	986.80	48.48	21.354		
5,400.00	5,293.93	5,255.65	5,255.06	27.07	22.53	82.28	-1,209.79	970.37	1,032.61	983.17	49.44	20.886		
5,500.00	5,391.72	5,353.51	5,352.91	27.58	22.94	83.42	-1,210.01	970.19	1,030.19	979.81	50.39	20.446		
5,600.00	5,489.51	5,453.66	5,453.06	28.09	23.37	84.60	-1,210.22	969.64	1,028.21	976.87	51.34	20.028		
5,700.00	5,587.30	5,556.12	5,555.51	28.61	23.80	85.85	-1,209.93	968.74	1,026.22	973.92	52.30	19.622		
5,800.00	5,685.09	5,657.41	5,656.80	29.12	24.23	87.08	-1,209.23	967.86	1,024.30	971.04	53.25	19.234		
5,900.00	5,782.88	5,756.19	5,755.57	29.63	24.65	88.29	-1,208.27	966.96	1,022.57	968.37	54.20	18.867		
6,000.00	5,880.67	5,854.10	5,853.47	30.14	25.06	89.48	-1,207.33	966.29	1,021.29	966.16	55.14	18.522		
6,100.00	5,978.46	5,951.16	5,950.53	30.65	25.47	90.66	-1,206.38	965.69	1,020.45	964.37	56.07	18.198		
6,200.00	6,076.25	6,055.43	6,054.79	31.17	25.91	91.94	-1,205.27	965.01	1,020.00	962.97	57.04	17.884		
6,298.86	6,172.92	6,158.73	6,158.06	31.67	26.35	93.21	-1,203.10	964.29	1,019.02	961.04	57.98	17.575		
6,300.00	6,174.03	6,159.85	6,159.19	31.68	26.35	93.14	-1,203.08	964.29	1,019.01	961.02	57.99	17.571		
6,350.00	6,223.30	6,210.60	6,209.92	31.92	26.57	87.44	-1,201.87	963.84	1,018.09	959.64	58.45	17.418		
6,400.00	6,273.06	6,266.00	6,265.29	32.13	26.80	66.20	-1,200.33	963.35	1,016.07	957.17	58.89	17.252		
6,450.00	6,323.01	6,319.77	6,319.03	32.32	27.03	-24.39	-1,198.55	962.92	1,012.83	953.53	59.30	17.080		
6,500.00	6,372.84	6,370.51	6,369.74	32.48	27.25	-57.16	-1,196.83	962.77	1,008.56	948.88	59.68	16.900		
6,550.00	6,422.24	6,418.06	6,417.26	32.65	27.45	-65.72	-1,195.26	962.88	1,003.37	943.32	60.05	16.710		
6,600.00	6,470.92	6,461.08	6,460.27	32.83	27.63	-70.05	-1,194.07	963.10	997.60	937.20	60.41	16.514		
6,650.00	6,518.56	6,503.16	6,502.33	33.01	27.81	-73.10	-1,193.15	963.39	991.47	930.70	60.77	16.314		
6,700.00	6,564.89	6,542.83	6,542.01	33.21	27.98	-75.64	-1,192.55	963.70	985.18	924.04	61.14	16.114		
6,750.00	6,609.60	6,581.20	6,580.37	33.43	28.14	-77.96	-1,192.21	964.02	978.97	917.46	61.51	15.915		
6,800.00	6,652.43	6,618.73	6,617.90	33.66	28.30	-80.18	-1,192.11	964.33	973.09	911.19	61.90	15.721		
6,850.00	6,693.10	6,655.29	6,654.45	33.91	28.45	-82.33	-1,192.16	964.54	967.75	905.46	62.29	15.535		
6,900.00	6,731.38	6,689.83	6,689.00	34.20	28.60	-84.38	-1,192.33	964.63	963.25	900.54	62.70	15.362		
6,950.00	6,767.02	6,724.01	6,723.18	34.51	28.74	-86.36	-1,192.60	964.65	959.85	896.72	63.13	15.204		
7,000.00	6,799.81	6,756.32	6,755.49	34.85	28.88	-88.20	-1,192.87	964.63	957.80	894.23	63.57	15.067		
7,035.73	6,821.38	6,777.62	6,776.78	35.13	28.97	-89.37	-1,193.06	964.60	957.34	893.44	63.89	14.983 CC		
7,050.00	6,829.54	6,785.69	6,784.85	35.24	29.00	-89.80	-1,193.13	964.59	957.42	893.40	64.02	14.955 ES		
7,100.00	6,856.03	6,811.47	6,810.63	35.66	29.11	-91.09	-1,193.37	964.53	958.99	894.52	64.47	14.876		
7,150.00	6,879.11	6,833.54	6,832.70	36.12	29.21	-92.01	-1,193.61	964.47	962.78	897.87	64.91	14.832		
7,200.00	6,898.65	6,852.29	6,851.45	36.62	29.29	-92.56	-1,193.83	964.40	968.98	903.63	65.35	14.828 SF		
7,250.00	6,914.51	6,867.61	6,866.77	37.15	29.35	-92.69	-1,194.03	964.34	977.72	911.95	65.77	14.866		
7,300.00	6,926.62	6,879.38	6,878.53	37.73	29.40	-92.37	-1,194.19	964.29	989.04	922.87	66.17	14.947		
7,350.00	6,934.88	6,887.50	6,886.66	38.34	29.44	-91.58	-1,194.30	964.25	1,002.91	936.38	66.54	15.073		
7,400.00	6,939.26	6,891.93	6,891.09	38.97	29.46	-90.31	-1,194.37	964.22	1,019.25	952.39	66.87	15.243		
7,429.12	6,940.00	6,892.79	6,891.94	39.34	29.46	-89.34	-1,194.38	964.22	1,029.84	962.81	67.04	15.362		
7,500.00	6,940.19	6,893.32	6,892.47	40.31	29.46	-89.37	-1,194.39	964.22	1,058.57	991.14	67.43	15.699		
7,600.00	6,940.46	6,894.07	6,893.22	41.80	29.47	-89.41	-1,194.40	964.21	1,105.59	1,037.64	67.95	16.271		
7,700.00	6,940.72	6,894.83	6,893.98	43.43	29.47	-89.46	-1,194.41	964.21	1,159.34	1,090.93	68.41	16.948		
7,800.00	6,940.99	6,895.59	6,894.74	45.19	29.47	-89.51	-1,194.42	964.21	1,218.93	1,150.13	68.81	17.715		
7,900.00	6,941.25	6,896.35	6,895.51	47.05	29.48	-89.55	-1,194.43	964.20	1,283.56	1,214.42	69.15	18.563		
8,000.00	6,941.52	6,897.12	6,896.28	49.02	29.48	-89.60	-1,194.45	964.20	1,352.51	1,283.07	69.44	19.478		
8,100.00	6,941.79	6,897.90	6,897.05	51.06	29.48	-89.64	-1,194.46	964.19	1,425.13	1,355.46	69.68	20.453		
8,200.00	6,942.05	6,898.68	6,897.83	53.18	29.48	-89.69	-1,194.47	964.19	1,500.91	1,431.03	69.88	21.479		
8,300.00	6,942.32	6,899.46	6,898.61	55.37	29.49	-89.74	-1,194.48	964.19	1,579.39	1,509.34	70.05	22.547		
8,400.00	6,942.58	6,900.26	6,899.41	57.62	29.49	-89.79	-1,194.49	964.18	1,660.18	1,589.99	70.19	23.653		
8,500.00	6,942.85	6,901.08	6,900.23	59.92	29.50	-89.84	-1,194.50	964.18	1,742.97	1,672.66	70.31	24.791		
8,600.00	6,943.12	6,901.90	6,901.05	62.26	29.50	-89.88	-1,194.52	964.17	1,827.47	1,757.07	70.40	25.957		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.38	6,902.72	6,901.87	64.65	29.50	-89.93	-1,194.53	964.17	1,913.48	1,842.99	70.49	27.146		
8,800.00	6,943.65	6,903.54	6,902.69	67.08	29.51	-89.98	-1,194.54	964.16	2,000.78	1,930.22	70.56	28.356		
8,900.00	6,943.91	6,904.36	6,903.52	69.53	29.51	-90.03	-1,194.55	964.16	2,089.22	2,018.60	70.62	29.584		
9,000.00	6,944.18	6,905.19	6,904.34	72.02	29.51	-90.08	-1,194.57	964.16	2,178.66	2,107.99	70.67	30.827		
9,100.00	6,944.45	6,906.02	6,905.17	74.54	29.52	-90.13	-1,194.58	964.15	2,268.98	2,198.26	70.72	32.084		
9,200.00	6,944.71	6,906.84	6,906.00	77.07	29.52	-90.18	-1,194.59	964.15	2,360.09	2,289.33	70.76	33.353		
9,300.00	6,944.98	6,907.67	6,906.82	79.63	29.52	-90.23	-1,194.60	964.14	2,451.88	2,381.08	70.80	34.633		
9,400.00	6,945.24	6,908.50	6,907.65	82.21	29.53	-90.28	-1,194.62	964.14	2,544.30	2,473.47	70.83	35.921		
9,500.00	6,945.51	6,909.33	6,908.49	84.81	29.53	-90.33	-1,194.63	964.13	2,637.26	2,566.40	70.86	37.218		
9,600.00	6,945.78	6,910.17	6,909.32	87.43	29.53	-90.38	-1,194.64	964.13	2,730.73	2,659.84	70.89	38.521		
9,700.00	6,946.04	6,911.00	6,910.15	90.05	29.54	-90.43	-1,194.65	964.12	2,824.64	2,753.72	70.92	39.831		
9,800.00	6,946.31	6,911.84	6,910.99	92.70	29.54	-90.48	-1,194.67	964.12	2,918.95	2,848.01	70.94	41.146		
9,900.00	6,946.57	6,912.67	6,911.83	95.35	29.54	-90.53	-1,194.68	964.12	3,013.64	2,942.67	70.97	42.466		
10,000.00	6,946.84	6,913.51	6,912.66	98.02	29.55	-90.58	-1,194.69	964.11	3,108.65	3,037.66	70.99	43.790		
10,100.00	6,947.11	6,914.35	6,913.50	100.70	29.55	-90.63	-1,194.71	964.11	3,203.97	3,132.96	71.01	45.117		
10,200.00	6,947.37	6,915.19	6,914.34	103.38	29.56	-90.68	-1,194.72	964.10	3,299.57	3,228.53	71.04	46.448		
10,300.00	6,947.64	6,916.03	6,915.19	106.08	29.56	-90.73	-1,194.73	964.10	3,395.41	3,324.35	71.06	47.781		
10,400.00	6,947.90	6,916.88	6,916.03	108.78	29.56	-90.78	-1,194.74	964.09	3,491.50	3,420.41	71.09	49.117		
10,500.00	6,948.17	6,917.72	6,916.87	111.49	29.57	-90.83	-1,194.76	964.09	3,587.79	3,516.68	71.11	50.454		
10,600.00	6,948.44	6,918.57	6,917.72	114.21	29.57	-90.89	-1,194.77	964.08	3,684.28	3,613.15	71.13	51.793		
10,700.00	6,948.70	6,919.42	6,918.57	116.94	29.57	-90.94	-1,194.78	964.08	3,780.96	3,709.80	71.16	53.133		
10,800.00	6,948.97	6,920.27	6,919.42	119.67	29.58	-90.99	-1,194.79	964.07	3,877.80	3,806.62	71.19	54.475		
10,900.00	6,949.24	6,921.12	6,920.27	122.41	29.58	-91.04	-1,194.81	964.07	3,974.80	3,903.59	71.21	55.817		
11,000.00	6,949.50	6,921.97	6,921.12	125.15	29.58	-91.09	-1,194.82	964.07	4,071.95	4,000.71	71.24	57.160		
11,100.00	6,949.77	6,922.82	6,921.97	127.90	29.59	-91.14	-1,194.83	964.06	4,169.22	4,097.96	71.27	58.503		
11,200.00	6,950.03	6,923.68	6,922.83	130.65	29.59	-91.19	-1,194.84	964.06	4,266.63	4,195.34	71.29	59.846		
11,300.00	6,950.30	6,924.53	6,923.68	133.41	29.59	-91.24	-1,194.86	964.05	4,364.15	4,292.83	71.32	61.189		
11,400.00	6,950.57	6,925.39	6,924.54	136.17	29.60	-91.29	-1,194.87	964.05	4,461.78	4,390.43	71.35	62.532		
11,500.00	6,950.83	6,926.25	6,925.40	138.94	29.60	-91.35	-1,194.88	964.04	4,559.52	4,488.13	71.38	63.874		
11,600.00	6,951.10	6,927.11	6,926.26	141.71	29.61	-91.40	-1,194.90	964.04	4,657.35	4,585.93	71.41	65.216		
11,700.00	6,951.36	6,927.97	6,927.12	144.48	29.61	-91.45	-1,194.91	964.03	4,755.27	4,683.82	71.45	66.557		
11,800.00	6,951.63	6,928.83	6,927.98	147.26	29.61	-91.50	-1,194.92	964.03	4,853.27	4,781.79	71.48	67.898		
11,900.00	6,951.90	6,929.70	6,928.84	150.03	29.62	-91.55	-1,194.93	964.02	4,951.36	4,879.84	71.51	69.237		
12,000.00	6,952.16	6,930.56	6,929.71	152.82	29.62	-91.60	-1,194.95	964.02	5,049.52	4,977.97	71.55	70.576		
12,100.00	6,952.43	6,931.43	6,930.58	155.60	29.62	-91.66	-1,194.96	964.01	5,147.75	5,076.16	71.58	71.913		
12,200.00	6,952.69	6,932.30	6,931.45	158.39	29.63	-91.71	-1,194.97	964.01	5,246.04	5,174.42	71.62	73.249		
12,300.00	6,952.96	6,933.17	6,932.32	161.18	29.63	-91.76	-1,194.99	964.00	5,344.40	5,272.75	71.66	74.583		
12,400.00	6,953.23	6,934.04	6,933.19	163.97	29.64	-91.81	-1,195.00	964.00	5,442.82	5,371.13	71.69	75.917		
12,500.00	6,953.49	6,934.91	6,934.06	166.77	29.64	-91.87	-1,195.01	963.99	5,541.30	5,469.57	71.73	77.248		
12,600.00	6,953.76	6,935.78	6,934.93	169.56	29.64	-91.92	-1,195.02	963.99	5,639.83	5,568.06	71.77	78.578		
12,700.00	6,954.02	6,936.66	6,935.81	172.36	29.65	-91.97	-1,195.04	963.98	5,738.41	5,666.60	71.81	79.906		
12,800.00	6,954.29	6,937.54	6,936.68	175.16	29.65	-92.02	-1,195.05	963.98	5,837.04	5,765.18	71.86	81.232		
12,900.00	6,954.56	6,938.41	6,937.56	177.97	29.65	-92.08	-1,195.06	963.97	5,935.71	5,863.81	71.90	82.557		
13,000.00	6,954.82	6,939.29	6,938.44	180.77	29.66	-92.13	-1,195.08	963.97	6,034.43	5,962.49	71.94	83.879		
13,100.00	6,955.09	6,940.18	6,939.32	183.58	29.66	-92.18	-1,195.09	963.96	6,133.19	6,061.20	71.99	85.199		
13,200.00	6,955.35	6,941.06	6,940.21	186.38	29.67	-92.23	-1,195.10	963.96	6,231.99	6,159.96	72.03	86.518		
13,300.00	6,955.62	6,941.94	6,941.09	189.19	29.67	-92.29	-1,195.12	963.95	6,330.83	6,258.75	72.08	87.834		
13,400.00	6,955.89	6,942.83	6,941.98	192.00	29.67	-92.34	-1,195.13	963.95	6,429.70	6,357.57	72.12	89.147		
13,500.00	6,956.15	6,943.71	6,942.86	194.82	29.68	-92.39	-1,195.14	963.94	6,528.60	6,456.43	72.17	90.459		
13,600.00	6,956.42	6,944.60	6,943.75	197.63	29.68	-92.45	-1,195.15	963.94	6,627.54	6,555.32	72.22	91.768		
13,700.00	6,956.68	6,945.49	6,944.64	200.44	29.68	-92.50	-1,195.17	963.93	6,726.51	6,654.24	72.27	93.074		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,946.38	6,945.53	203.26	29.69	-92.55	-1,195.18	963.93	6,825.51	6,753.19	72.32	94.378		
13,900.00	6,957.22	6,947.28	6,946.42	206.08	29.69	-92.61	-1,195.19	963.92	6,924.54	6,852.17	72.37	95.680		
14,000.00	6,957.48	6,948.17	6,947.32	208.89	29.70	-92.66	-1,195.21	963.92	7,023.60	6,951.18	72.42	96.979		
14,100.00	6,957.75	6,949.07	6,948.21	211.71	29.70	-92.71	-1,195.22	963.91	7,122.68	7,050.21	72.48	98.275		
14,200.00	6,958.02	6,949.96	6,949.11	214.53	29.70	-92.77	-1,195.23	963.91	7,221.79	7,149.26	72.53	99.569		
14,300.00	6,958.28	6,950.86	6,950.01	217.36	29.71	-92.82	-1,195.25	963.90	7,320.92	7,248.34	72.59	100.860		
14,400.00	6,958.55	6,951.76	6,950.91	220.18	29.71	-92.87	-1,195.26	963.90	7,420.08	7,347.44	72.64	102.148		
14,500.00	6,958.81	6,952.66	6,951.81	223.00	29.71	-92.93	-1,195.27	963.89	7,519.25	7,446.56	72.70	103.433		
14,600.00	6,959.08	6,953.57	6,952.71	225.83	29.72	-92.98	-1,195.29	963.89	7,618.45	7,545.70	72.75	104.715		
14,700.00	6,959.35	6,954.47	6,953.62	228.65	29.72	-93.04	-1,195.30	963.88	7,717.67	7,644.86	72.81	105.995		
14,800.00	6,959.61	6,955.38	6,954.53	231.48	29.73	-93.09	-1,195.31	963.88	7,816.91	7,744.04	72.87	107.271		
14,900.00	6,959.88	6,956.29	6,955.43	234.30	29.73	-93.14	-1,195.33	963.87	7,916.17	7,843.24	72.93	108.545		
15,000.00	6,960.14	6,957.20	6,956.34	237.13	29.73	-93.20	-1,195.34	963.87	8,015.45	7,942.46	72.99	109.815		
15,100.00	6,960.41	6,958.11	6,957.25	239.96	29.74	-93.25	-1,195.35	963.86	8,114.74	8,041.69	73.05	111.082		
15,200.00	6,960.68	6,959.02	6,958.16	242.79	29.74	-93.31	-1,195.36	963.86	8,214.05	8,140.94	73.11	112.346		
15,300.00	6,960.94	6,959.93	6,959.08	245.62	29.75	-93.36	-1,195.38	963.85	8,313.38	8,240.20	73.18	113.607		
15,400.00	6,961.21	6,960.85	6,959.99	248.45	29.75	-93.42	-1,195.39	963.85	8,412.72	8,339.48	73.24	114.865		
15,500.00	6,961.47	6,961.76	6,960.91	251.28	29.75	-93.47	-1,195.40	963.84	8,512.08	8,438.78	73.30	116.120		
15,600.00	6,961.74	6,962.68	6,961.83	254.11	29.76	-93.53	-1,195.42	963.84	8,611.46	8,538.09	73.37	117.371		
15,700.00	6,962.01	6,963.60	6,962.75	256.94	29.76	-93.58	-1,195.43	963.83	8,710.84	8,637.41	73.44	118.619		
15,800.00	6,962.27	6,964.52	6,963.67	259.77	29.76	-93.64	-1,195.44	963.83	8,810.25	8,736.74	73.50	119.864		
15,900.00	6,962.54	6,965.45	6,964.59	262.61	29.77	-93.69	-1,195.46	963.82	8,909.66	8,836.09	73.57	121.105		
16,000.00	6,962.80	6,966.37	6,965.52	265.44	29.77	-93.75	-1,195.47	963.81	9,009.09	8,935.45	73.64	122.343		
16,100.00	6,963.07	6,967.30	6,966.44	268.28	29.78	-93.80	-1,195.48	963.81	9,108.53	9,034.82	73.71	123.578		
16,200.00	6,963.34	6,968.22	6,967.37	271.11	29.78	-93.86	-1,195.50	963.80	9,207.98	9,134.20	73.78	124.809		
16,300.00	6,963.60	6,969.15	6,968.30	273.95	29.78	-93.91	-1,195.51	963.80	9,307.45	9,233.60	73.85	126.036		
16,400.00	6,963.87	6,970.08	6,969.23	276.78	29.79	-93.97	-1,195.53	963.79	9,406.92	9,333.00	73.92	127.261		
16,500.00	6,964.13	6,971.02	6,970.16	279.62	29.79	-94.02	-1,195.54	963.79	9,506.41	9,432.42	73.99	128.481		
16,600.00	6,964.40	6,971.95	6,971.09	282.46	29.80	-94.08	-1,195.55	963.78	9,605.90	9,531.84	74.06	129.698		
16,700.00	6,964.67	6,972.89	6,972.03	285.29	29.80	-94.14	-1,195.57	963.78	9,705.41	9,631.27	74.14	130.912		
16,800.00	6,964.93	6,973.82	6,972.97	288.13	29.80	-94.19	-1,195.58	963.77	9,804.93	9,730.72	74.21	132.122		
16,900.00	6,965.20	6,974.76	6,973.90	290.97	29.81	-94.25	-1,195.59	963.77	9,904.45	9,830.17	74.29	133.328		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	80.74	152.66	936.35	949.43					
100.00	100.00	65.34	65.34	3.28	3.28	80.74	152.72	936.26	948.63	942.07	6.57	144.439		
200.00	200.00	167.97	167.97	3.34	3.32	80.72	152.99	935.79	948.23	941.57	6.66	142.461		
300.00	299.98	267.08	267.08	3.44	3.41	-19.35	153.19	935.23	946.05	939.20	6.85	138.067		
400.00	399.84	363.05	363.05	3.60	3.54	-19.49	153.27	934.96	940.86	933.72	7.14	131.734		
500.00	499.45	456.85	456.84	3.80	3.71	-19.72	153.30	935.21	932.91	925.40	7.52	124.130		
600.00	598.70	547.80	547.79	4.05	3.91	-20.00	153.11	936.17	922.44	914.48	7.96	115.901		
700.00	697.47	639.38	639.35	4.33	4.14	-20.36	152.78	938.09	909.72	901.25	8.47	107.415		
803.50	799.05	738.26	738.19	4.67	4.42	-20.84	152.29	940.71	893.71	884.64	9.07	98.557		
900.00	893.41	831.44	831.33	5.02	4.70	-21.22	151.64	943.46	877.45	867.78	9.67	90.714		
1,000.00	991.20	929.82	929.66	5.41	5.02	-21.64	150.93	946.53	860.82	850.48	10.34	83.251		
1,100.00	1,088.99	1,030.47	1,030.26	5.81	5.35	-22.07	149.91	949.44	843.95	832.90	11.05	76.388		
1,200.00	1,186.78	1,126.91	1,126.66	6.23	5.69	-22.48	148.83	952.33	827.20	815.43	11.77	70.267		
1,300.00	1,284.57	1,225.34	1,225.03	6.67	6.04	-22.94	147.93	955.40	810.65	798.13	12.53	64.722		
1,400.00	1,382.36	1,326.56	1,326.21	7.12	6.41	-23.42	146.91	958.29	793.89	780.59	13.31	59.668		
1,500.00	1,480.15	1,425.22	1,424.83	7.57	6.78	-23.94	146.22	960.85	777.01	762.91	14.09	55.130		
1,600.00	1,577.94	1,523.56	1,523.13	8.03	7.15	-24.50	145.66	963.42	760.24	745.34	14.90	51.038		
1,700.00	1,675.73	1,627.12	1,626.66	8.50	7.54	-25.11	145.11	965.77	743.23	727.51	15.72	47.269		
1,800.00	1,773.52	1,733.69	1,733.22	8.98	7.95	-25.80	144.46	967.00	725.21	708.64	16.57	43.776		
1,900.00	1,871.31	1,834.85	1,834.38	9.45	8.35	-26.48	143.63	967.41	706.52	689.12	17.40	40.598		
2,000.00	1,969.10	1,932.64	1,932.17	9.94	8.73	-27.18	142.73	967.62	687.72	669.48	18.24	37.705		
2,100.00	2,066.88	2,030.28	2,029.80	10.42	9.12	-27.94	142.14	967.88	669.18	650.10	19.08	35.065		
2,200.00	2,164.67	2,130.14	2,129.66	10.91	9.51	-28.75	141.38	967.90	650.46	630.52	19.94	32.623		
2,300.00	2,262.46	2,226.85	2,226.37	11.40	9.90	-29.58	140.69	967.91	631.89	611.10	20.79	30.387		
2,400.00	2,360.25	2,323.63	2,323.15	11.89	10.29	-30.48	140.09	968.03	613.61	591.95	21.66	28.332		
2,500.00	2,458.04	2,419.67	2,419.19	12.39	10.68	-31.45	139.93	968.28	595.75	573.22	22.53	26.445		
2,600.00	2,555.83	2,517.32	2,516.84	12.88	11.08	-32.52	140.02	968.61	578.25	554.84	23.41	24.704		
2,700.00	2,653.62	2,616.64	2,616.16	13.38	11.48	-33.67	140.09	968.82	560.84	536.55	24.29	23.086		
2,800.00	2,751.41	2,716.60	2,716.12	13.88	11.89	-34.90	139.94	968.76	543.32	518.14	25.18	21.574		
2,900.00	2,849.20	2,816.17	2,815.69	14.38	12.30	-36.21	139.66	968.36	525.70	499.62	26.08	20.159		
3,000.00	2,946.99	2,915.84	2,915.35	14.88	12.71	-37.56	138.81	967.81	507.98	481.00	26.98	18.830		
3,100.00	3,044.78	3,014.07	3,013.57	15.38	13.12	-38.93	137.42	967.23	490.24	462.36	27.88	17.584		
3,200.00	3,142.57	3,108.30	3,107.79	15.89	13.51	-40.39	136.59	966.83	473.21	444.41	28.79	16.434		
3,300.00	3,240.36	3,206.45	3,205.94	16.39	13.91	-42.03	135.96	966.61	456.81	427.09	29.71	15.374		
3,400.00	3,338.15	3,301.62	3,301.10	16.89	14.31	-43.70	135.33	966.73	441.07	410.42	30.64	14.394		
3,500.00	3,435.93	3,397.12	3,396.61	17.40	14.71	-45.46	134.76	967.43	426.29	394.71	31.58	13.501		
3,600.00	3,533.72	3,491.22	3,490.68	17.90	15.10	-47.25	134.28	968.94	412.69	380.17	32.51	12.692		
3,700.00	3,631.51	3,592.79	3,592.23	18.41	15.52	-49.19	133.25	971.16	399.69	366.24	33.46	11.946		
3,800.00	3,729.30	3,695.40	3,694.81	18.92	15.95	-51.27	131.38	972.65	386.10	351.69	34.40	11.223		
3,900.00	3,827.09	3,790.84	3,790.24	19.42	16.35	-53.48	130.13	973.26	372.76	337.40	35.36	10.542		
4,000.00	3,924.88	3,888.87	3,888.27	19.93	16.77	-56.01	129.62	973.69	360.46	324.13	36.33	9.923		
4,100.00	4,022.67	3,984.95	3,984.35	20.44	17.17	-58.75	129.61	973.84	349.11	311.81	37.30	9.360		
4,200.00	4,120.46	4,084.44	4,083.84	20.95	17.59	-61.74	129.65	974.12	338.77	300.50	38.27	8.852		
4,300.00	4,218.25	4,183.19	4,182.59	21.46	18.00	-64.91	129.36	974.03	328.91	289.67	39.25	8.380		
4,400.00	4,316.04	4,282.92	4,282.31	21.97	18.42	-68.30	128.81	973.64	319.76	279.54	40.22	7.950		
4,500.00	4,413.83	4,381.51	4,380.90	22.48	18.83	-71.85	127.81	973.01	311.27	270.07	41.19	7.556		
4,600.00	4,511.62	4,483.55	4,482.92	22.99	19.27	-75.66	126.02	972.23	303.35	261.19	42.15	7.196		
4,700.00	4,609.41	4,587.06	4,586.36	23.50	19.70	-79.68	122.40	970.92	295.00	251.91	43.09	6.846		
4,800.00	4,707.20	4,689.01	4,688.15	24.01	20.14	-83.83	117.02	969.24	286.29	242.27	44.01	6.504		
4,900.00	4,804.98	4,786.65	4,785.58	24.52	20.55	-87.93	110.94	967.92	278.24	233.29	44.95	6.190		
5,000.00	4,902.77	4,883.35	4,882.10	25.03	20.96	-92.07	104.99	967.21	271.92	226.05	45.87	5.929		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	5,000.56	4,979.52	4,978.11	25.54	21.37	-96.36	99.50	966.53	267.61	220.85	46.76	5.723		
5,200.00	5,098.35	5,073.70	5,072.18	26.05	21.77	-100.72	94.98	965.60	265.85	218.22	47.62	5.582		
5,205.96	5,104.18	5,079.29	5,077.77	26.08	21.80	-100.98	94.75	965.55	265.84	218.17	47.67	5.576 CC, ES		
5,300.00	5,196.14	5,168.39	5,166.81	26.56	22.17	-105.09	91.69	964.72	267.11	218.67	48.44	5.514		
5,400.00	5,293.93	5,262.35	5,260.73	27.07	22.57	-109.37	89.46	963.65	271.20	221.98	49.22	5.510		
5,500.00	5,391.72	5,357.32	5,355.69	27.58	22.97	-113.54	88.46	962.34	278.23	228.26	49.97	5.568		
5,600.00	5,489.51	5,451.91	5,450.26	28.09	23.37	-117.50	88.11	960.74	287.52	236.84	50.68	5.673		
5,700.00	5,587.30	5,545.69	5,544.02	28.61	23.76	-121.16	88.89	958.82	299.45	248.07	51.37	5.829		
5,800.00	5,685.09	5,642.78	5,641.07	29.12	24.17	-124.60	90.58	956.76	313.44	261.33	52.11	6.015		
5,900.00	5,782.88	5,744.40	5,742.67	29.63	24.60	-127.91	91.52	954.94	327.63	274.70	52.93	6.190		
6,000.00	5,880.67	5,845.80	5,844.06	30.14	25.03	-131.04	90.95	953.23	341.47	287.73	53.74	6.354		
6,100.00	5,978.46	5,945.21	5,943.46	30.65	25.45	-133.82	89.80	952.26	355.32	300.78	54.54	6.515		
6,200.00	6,076.25	6,042.62	6,040.85	31.17	25.86	-136.35	88.51	951.37	369.76	314.45	55.31	6.685		
6,298.86	6,172.92	6,138.60	6,136.82	31.67	26.27	-138.61	87.60	950.68	384.85	328.77	56.08	6.863		
6,300.00	6,174.03	6,139.71	6,137.93	31.68	26.27	-138.73	87.59	950.68	385.02	328.94	56.08	6.865		
6,350.00	6,223.30	6,188.84	6,187.06	31.92	26.48	-146.18	87.18	950.34	391.61	335.13	56.48	6.934		
6,400.00	6,273.06	6,238.62	6,236.84	32.13	26.69	-168.27	86.74	949.97	395.78	338.90	56.88	6.958		
6,450.00	6,323.01	6,288.65	6,286.86	32.32	26.90	101.24	86.24	949.55	397.42	340.13	57.29	6.937		
6,500.00	6,372.84	6,338.45	6,336.66	32.48	27.12	69.50	85.72	949.10	396.53	338.83	57.70	6.873		
6,550.00	6,422.24	6,387.81	6,386.01	32.65	27.33	62.88	85.25	948.69	393.21	335.09	58.12	6.766		
6,600.00	6,470.92	6,436.88	6,435.08	32.83	27.53	61.36	84.81	948.32	387.60	329.04	58.56	6.619		
6,650.00	6,518.56	6,485.06	6,483.26	33.01	27.74	61.98	84.35	948.00	379.94	320.91	59.03	6.436		
6,700.00	6,564.89	6,531.44	6,529.63	33.21	27.94	63.91	83.90	947.73	370.59	311.07	59.52	6.226		
6,750.00	6,609.60	6,575.99	6,574.18	33.43	28.12	66.82	83.51	947.50	360.14	300.08	60.06	5.997		
6,800.00	6,652.43	6,618.81	6,617.00	33.66	28.31	70.53	83.18	947.27	349.19	288.55	60.64	5.758		
6,850.00	6,693.10	6,659.73	6,657.92	33.91	28.48	74.85	82.84	947.01	338.51	277.22	61.29	5.523		
6,900.00	6,731.38	6,698.35	6,696.53	34.20	28.64	79.55	82.49	946.71	329.02	267.01	62.01	5.306		
6,950.00	6,767.02	6,734.03	6,732.21	34.51	28.80	84.30	82.16	946.39	321.77	259.01	62.76	5.127		
7,000.00	6,799.81	6,766.99	6,765.17	34.85	28.94	88.87	81.88	946.03	317.90	254.37	63.52	5.004		
7,019.71	6,811.91	6,779.20	6,777.38	35.00	28.99	90.56	81.78	945.89	317.53	253.71	63.82	4.976		
7,050.00	6,829.54	6,797.05	6,795.23	35.24	29.06	92.98	81.64	945.67	318.44	254.21	64.24	4.957 SF		
7,100.00	6,856.03	6,824.20	6,822.37	35.66	29.18	96.42	81.42	945.31	324.23	259.40	64.83	5.001		
7,150.00	6,879.11	6,848.05	6,846.22	36.12	29.28	98.98	81.23	944.97	335.73	270.47	65.25	5.145		
7,200.00	6,898.65	6,868.42	6,866.59	36.62	29.37	100.52	81.06	944.67	353.00	287.51	65.48	5.391		
7,250.00	6,914.51	6,885.17	6,883.33	37.15	29.44	100.93	80.92	944.41	375.73	310.19	65.54	5.733		
7,300.00	6,926.62	6,898.18	6,896.34	37.73	29.49	100.12	80.80	944.21	403.33	337.87	65.46	6.161		
7,350.00	6,934.88	6,907.35	6,905.51	38.34	29.53	98.00	80.72	944.06	435.05	369.77	65.28	6.664		
7,400.00	6,939.26	6,912.14	6,910.30	38.97	29.55	94.40	80.68	943.98	470.12	405.07	65.05	7.227		
7,429.12	6,940.00	6,913.31	6,911.47	39.34	29.56	91.69	80.67	943.97	491.78	426.88	64.90	7.578		
7,500.00	6,940.19	6,914.56	6,912.72	40.31	29.56	91.91	80.66	943.95	547.40	482.86	64.54	8.482		
7,600.00	6,940.46	6,916.31	6,914.47	41.80	29.57	92.22	80.65	943.92	631.09	566.99	64.10	9.845		
7,700.00	6,940.72	6,918.05	6,916.21	43.43	29.58	92.53	80.63	943.89	718.96	655.21	63.75	11.278		
7,800.00	6,940.99	6,919.78	6,917.93	45.19	29.59	92.84	80.62	943.87	809.64	746.17	63.47	12.757		
7,900.00	6,941.25	6,921.48	6,919.64	47.05	29.59	93.14	80.61	943.84	902.29	839.05	63.24	14.267		
8,000.00	6,941.52	6,923.18	6,921.33	49.02	29.60	93.44	80.59	943.82	996.36	933.30	63.06	15.800		
8,100.00	6,941.79	6,924.85	6,923.01	51.06	29.61	93.74	80.58	943.79	1,091.48	1,028.57	62.92	17.348		
8,200.00	6,942.05	6,926.52	6,924.68	53.18	29.61	94.04	80.57	943.77	1,187.40	1,124.61	62.80	18.909		
8,300.00	6,942.32	6,928.17	6,926.32	55.37	29.62	94.33	80.55	943.74	1,283.94	1,221.25	62.70	20.478		
8,400.00	6,942.58	6,929.80	6,927.96	57.62	29.63	94.62	80.54	943.72	1,380.98	1,318.36	62.62	22.055		
8,500.00	6,942.85	6,931.42	6,929.58	59.92	29.63	94.91	80.53	943.69	1,478.40	1,415.85	62.55	23.636		

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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,600.00	6,943.12	6,933.03	6,931.19	62.26	29.64	95.19	80.51	943.67	1,576.15	1,513.66	62.49	25.221		
8,700.00	6,943.38	6,934.62	6,932.78	64.65	29.65	95.48	80.50	943.65	1,674.16	1,611.71	62.45	26.809		
8,800.00	6,943.65	6,936.20	6,934.36	67.08	29.65	95.75	80.49	943.62	1,772.39	1,709.98	62.41	28.400		
8,900.00	6,943.91	6,937.77	6,935.92	69.53	29.66	96.03	80.48	943.60	1,870.81	1,808.43	62.38	29.991		
9,000.00	6,944.18	6,939.32	6,937.48	72.02	29.67	96.31	80.46	943.58	1,969.38	1,907.03	62.35	31.584		
9,100.00	6,944.45	6,940.86	6,939.02	74.54	29.67	96.58	80.45	943.56	2,068.09	2,005.76	62.33	33.178		
9,200.00	6,944.71	6,942.39	6,940.54	77.07	29.68	96.85	80.44	943.54	2,166.92	2,104.60	62.32	34.771		
9,300.00	6,944.98	6,943.90	6,942.06	79.63	29.69	97.11	80.43	943.51	2,265.85	2,203.54	62.31	36.364		
9,400.00	6,945.24	6,945.40	6,943.56	82.21	29.69	97.38	80.42	943.49	2,364.87	2,302.57	62.30	37.957		
9,500.00	6,945.51	6,946.89	6,945.05	84.81	29.70	97.64	80.41	943.47	2,463.97	2,401.67	62.30	39.549		
9,600.00	6,945.78	6,948.37	6,946.53	87.43	29.71	97.90	80.40	943.45	2,563.13	2,500.83	62.30	41.141		
9,700.00	6,946.04	6,949.84	6,947.99	90.05	29.71	98.15	80.38	943.43	2,662.36	2,600.06	62.31	42.731		
9,800.00	6,946.31	6,951.29	6,949.44	92.70	29.72	98.41	80.37	943.41	2,761.64	2,699.33	62.31	44.320		
9,900.00	6,946.57	6,952.73	6,950.89	95.35	29.73	98.66	80.36	943.39	2,860.98	2,798.65	62.32	45.907		
10,000.00	6,946.84	6,954.16	6,952.32	98.02	29.73	98.91	80.35	943.37	2,960.35	2,898.02	62.33	47.493		
10,100.00	6,947.11	6,955.58	6,953.73	100.70	29.74	99.16	80.34	943.35	3,059.77	2,997.42	62.35	49.078		
10,200.00	6,947.37	6,956.99	6,955.14	103.38	29.74	99.40	80.33	943.33	3,159.22	3,096.86	62.36	50.660		
10,300.00	6,947.64	6,958.38	6,956.54	106.08	29.75	99.65	80.32	943.31	3,258.70	3,196.32	62.38	52.240		
10,400.00	6,947.90	6,959.77	6,957.92	108.78	29.76	99.89	80.31	943.30	3,358.22	3,295.82	62.40	53.819		
10,500.00	6,948.17	6,961.14	6,959.30	111.49	29.76	100.12	80.30	943.28	3,457.76	3,395.34	62.42	55.395		
10,600.00	6,948.44	6,962.51	6,960.66	114.21	29.77	100.36	80.29	943.26	3,557.33	3,494.88	62.44	56.968		
10,700.00	6,948.70	6,963.86	6,962.01	116.94	29.77	100.59	80.28	943.24	3,656.92	3,594.45	62.47	58.539		
10,800.00	6,948.97	6,965.20	6,963.35	119.67	29.78	100.83	80.27	943.22	3,756.53	3,694.03	62.50	60.108		
10,900.00	6,949.24	6,966.53	6,964.68	122.41	29.78	101.06	80.26	943.21	3,856.16	3,793.63	62.52	61.674		
11,000.00	6,949.50	6,967.85	6,966.00	125.15	29.79	101.28	80.25	943.19	3,955.81	3,893.25	62.55	63.237		
11,100.00	6,949.77	6,969.16	6,967.32	127.90	29.79	101.51	80.25	943.17	4,055.47	3,992.89	62.59	64.798		
11,200.00	6,950.03	6,970.46	6,968.62	130.65	29.80	101.73	80.24	943.16	4,155.16	4,092.54	62.62	66.355		
11,300.00	6,950.30	6,971.75	6,969.91	133.41	29.81	101.95	80.23	943.14	4,254.85	4,192.20	62.65	67.910		
11,400.00	6,950.57	6,973.03	6,971.19	136.17	29.81	102.17	80.22	943.12	4,354.56	4,291.87	62.69	69.461		
11,500.00	6,950.83	6,974.31	6,972.46	138.94	29.82	102.39	80.21	943.11	4,454.28	4,391.56	62.73	71.010		
11,600.00	6,951.10	6,975.57	6,973.72	141.71	29.82	102.60	80.20	943.09	4,554.02	4,491.25	62.77	72.555		
11,700.00	6,951.36	6,976.82	6,974.97	144.48	29.83	102.82	80.19	943.08	4,653.76	4,590.95	62.81	74.097		
11,800.00	6,951.63	6,978.06	6,976.21	147.26	29.83	103.03	80.19	943.06	4,753.52	4,690.67	62.85	75.635		
11,900.00	6,951.90	6,979.30	6,977.45	150.03	29.84	103.24	80.18	943.04	4,853.28	4,790.39	62.89	77.170		
12,000.00	6,952.16	6,980.52	6,978.67	152.82	29.84	103.45	80.17	943.03	4,953.05	4,890.12	62.93	78.701		
12,100.00	6,952.43	6,981.73	6,979.89	155.60	29.85	103.65	80.16	943.01	5,052.84	4,989.86	62.98	80.229		
12,200.00	6,952.69	6,982.94	6,981.09	158.39	29.85	103.85	80.15	943.00	5,152.63	5,089.60	63.03	81.753		
12,300.00	6,952.96	6,984.14	6,982.29	161.18	29.86	104.06	80.14	942.98	5,252.43	5,189.35	63.07	83.274		
12,400.00	6,953.23	6,985.33	6,983.48	163.97	29.86	104.26	80.14	942.97	5,352.23	5,289.11	63.12	84.790		
12,500.00	6,953.49	6,986.51	6,984.66	166.77	29.87	104.45	80.13	942.96	5,452.04	5,388.87	63.17	86.303		
12,600.00	6,953.76	6,987.68	6,985.83	169.56	29.87	104.65	80.12	942.94	5,551.86	5,488.64	63.22	87.812		
12,700.00	6,954.02	6,988.84	6,986.99	172.36	29.88	104.84	80.11	942.93	5,651.69	5,588.41	63.28	89.317		
12,800.00	6,954.29	6,989.99	6,988.14	175.16	29.88	105.04	80.11	942.91	5,751.52	5,688.19	63.33	90.818		
12,900.00	6,954.56	6,991.14	6,989.29	177.97	29.89	105.23	80.10	942.90	5,851.35	5,787.97	63.39	92.314		
13,000.00	6,954.82	6,992.28	6,990.43	180.77	29.89	105.42	80.09	942.89	5,951.19	5,887.75	63.44	93.807		
13,100.00	6,955.09	6,993.40	6,991.56	183.58	29.90	105.61	80.09	942.87	6,051.04	5,987.54	63.50	95.295		
13,200.00	6,955.35	6,994.53	6,992.68	186.38	29.90	105.79	80.08	942.86	6,150.89	6,087.34	63.56	96.779		
13,300.00	6,955.62	6,995.64	6,993.79	189.19	29.91	105.98	80.07	942.85	6,250.75	6,187.13	63.61	98.259		
13,400.00	6,955.89	7,000.00	6,998.15	192.00	29.93	106.70	80.04	942.80	6,350.61	6,286.93	63.68	99.729		
13,500.00	6,956.15	7,000.00	6,998.15	194.82	29.93	106.70	80.04	942.80	6,450.47	6,386.73	63.74	101.202		
13,600.00	6,956.42	7,000.00	6,998.15	197.63	29.93	106.70	80.04	942.80	6,550.34	6,486.54	63.80	102.670		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	7,000.00	6,998.15	200.44	29.93	106.70	80.04	942.80	6,650.21	6,586.35	63.86	104.135		
13,800.00	6,956.95	7,000.00	6,998.15	203.26	29.93	106.70	80.04	942.80	6,750.09	6,686.16	63.92	105.594		
13,900.00	6,957.22	7,000.00	6,998.15	206.08	29.93	106.70	80.04	942.80	6,849.96	6,785.98	63.99	107.050		
14,000.00	6,957.48	7,000.00	6,998.15	208.89	29.93	106.70	80.04	942.80	6,949.85	6,885.79	64.05	108.500		
14,100.00	6,957.75	7,000.00	6,998.15	211.71	29.93	106.70	80.04	942.80	7,049.73	6,985.61	64.12	109.947		
14,200.00	6,958.02	7,000.00	6,998.15	214.53	29.93	106.70	80.04	942.80	7,149.62	7,085.43	64.19	111.388		
14,300.00	6,958.28	7,000.00	6,998.15	217.36	29.93	106.70	80.04	942.80	7,249.51	7,185.26	64.25	112.825		
14,400.00	6,958.55	7,000.00	6,998.15	220.18	29.93	106.70	80.04	942.80	7,349.41	7,285.08	64.32	114.258		
14,500.00	6,958.81	7,000.00	6,998.15	223.00	29.93	106.70	80.04	942.80	7,449.31	7,384.91	64.39	115.685		
14,600.00	6,959.08	7,008.89	7,007.04	225.83	29.96	108.14	79.99	942.70	7,549.20	7,484.72	64.48	117.086		
14,700.00	6,959.35	7,009.83	7,007.98	228.65	29.97	108.30	79.98	942.69	7,649.10	7,584.55	64.55	118.501		
14,800.00	6,959.61	7,010.77	7,008.92	231.48	29.97	108.45	79.98	942.68	7,749.00	7,684.38	64.62	119.912		
14,900.00	6,959.88	7,011.70	7,009.85	234.30	29.98	108.60	79.97	942.67	7,848.91	7,784.21	64.70	121.317		
15,000.00	6,960.14	7,012.62	7,010.77	237.13	29.98	108.75	79.97	942.66	7,948.82	7,884.04	64.77	122.717		
15,100.00	6,960.41	7,013.54	7,011.69	239.96	29.98	108.89	79.96	942.65	8,048.73	7,983.88	64.85	124.113		
15,200.00	6,960.68	7,014.45	7,012.60	242.79	29.99	109.04	79.95	942.64	8,148.64	8,083.71	64.93	125.503		
15,300.00	6,960.94	7,015.35	7,013.50	245.62	29.99	109.18	79.95	942.63	8,248.55	8,183.55	65.01	126.889		
15,400.00	6,961.21	7,016.24	7,014.39	248.45	30.00	109.33	79.94	942.62	8,348.47	8,283.39	65.09	128.269		
15,500.00	6,961.47	7,017.13	7,015.28	251.28	30.00	109.47	79.94	942.61	8,448.39	8,383.22	65.17	129.644		
15,600.00	6,961.74	7,018.01	7,016.16	254.11	30.00	109.61	79.93	942.60	8,548.31	8,483.06	65.25	131.014		
15,700.00	6,962.01	7,018.88	7,017.03	256.94	30.01	109.75	79.93	942.59	8,648.23	8,582.90	65.33	132.379		
15,800.00	6,962.27	7,019.75	7,017.90	259.77	30.01	109.88	79.92	942.58	8,748.15	8,682.74	65.41	133.739		
15,900.00	6,962.54	7,020.61	7,018.76	262.61	30.01	110.02	79.92	942.57	8,848.08	8,782.58	65.50	135.093		
16,000.00	6,962.80	7,021.46	7,019.61	265.44	30.02	110.15	79.91	942.56	8,948.01	8,882.42	65.58	136.443		
16,100.00	6,963.07	7,022.31	7,020.45	268.28	30.02	110.29	79.90	942.55	9,047.93	8,982.27	65.67	137.787		
16,200.00	6,963.34	7,023.15	7,021.29	271.11	30.02	110.42	79.90	942.55	9,147.86	9,082.11	65.75	139.126		
16,300.00	6,963.60	7,023.98	7,022.13	273.95	30.03	110.55	79.89	942.54	9,247.79	9,181.95	65.84	140.459		
16,400.00	6,963.87	7,024.81	7,022.95	276.78	30.03	110.68	79.89	942.53	9,347.73	9,281.80	65.93	141.788		
16,500.00	6,964.13	7,025.63	7,023.78	279.62	30.03	110.81	79.88	942.52	9,447.66	9,381.64	66.02	143.111		
16,600.00	6,964.40	7,026.44	7,024.59	282.46	30.04	110.94	79.88	942.51	9,547.59	9,481.49	66.11	144.428		
16,700.00	6,964.67	7,027.25	7,025.40	285.29	30.04	111.06	79.87	942.50	9,647.53	9,581.33	66.20	145.741		
16,800.00	6,964.93	7,028.05	7,026.20	288.13	30.05	111.19	79.87	942.50	9,747.47	9,681.18	66.29	147.048		
16,900.00	6,965.20	7,028.85	7,027.00	290.97	30.05	111.31	79.86	942.49	9,847.41	9,781.03	66.38	148.350		
17,000.00	6,965.46	7,029.64	7,027.79	293.81	30.05	111.44	79.86	942.48	9,947.35	9,880.87	66.47	149.646		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	104.66	-415.26	1,587.69	1,641.77					
100.00	100.00	58.99	58.99	3.28	3.28	104.65	-415.16	1,587.60	1,641.00	1,634.43	6.57	249.877		
200.00	200.00	155.39	155.38	3.34	3.31	104.64	-414.75	1,587.28	1,640.57	1,633.93	6.65	246.777		
300.00	299.98	251.04	251.04	3.44	3.39	4.65	-414.61	1,587.43	1,638.94	1,632.11	6.83	239.849		
400.00	399.84	353.39	353.38	3.60	3.53	4.67	-414.66	1,587.44	1,633.75	1,626.62	7.13	229.272		
500.00	499.45	444.57	444.57	3.80	3.69	4.70	-414.55	1,587.54	1,625.15	1,617.66	7.49	216.959		
600.00	598.70	528.11	528.10	4.05	3.87	4.72	-413.94	1,588.56	1,613.99	1,606.08	7.91	203.974		
700.00	697.47	613.00	612.97	4.33	4.07	4.75	-413.39	1,590.37	1,600.28	1,591.88	8.40	190.533		
803.50	799.05	700.17	700.09	4.67	4.31	4.78	-412.90	1,593.03	1,583.40	1,574.45	8.96	176.806		
900.00	893.41	788.47	788.33	5.02	4.58	4.79	-412.37	1,596.36	1,566.60	1,557.07	9.53	164.334		
1,000.00	991.20	886.33	886.11	5.41	4.89	4.79	-411.72	1,600.33	1,549.45	1,539.26	10.18	152.154		
1,100.00	1,088.99	981.92	981.61	5.81	5.21	4.79	-410.95	1,604.32	1,532.37	1,521.51	10.86	141.085		
1,200.00	1,186.78	1,069.60	1,069.20	6.23	5.51	4.79	-410.47	1,608.29	1,515.71	1,504.16	11.54	131.327		
1,300.00	1,284.57	1,162.85	1,162.33	6.67	5.85	4.82	-410.77	1,612.96	1,499.70	1,487.44	12.26	122.319		
1,400.00	1,382.36	1,256.20	1,255.55	7.12	6.20	4.84	-410.93	1,617.89	1,483.93	1,470.93	13.00	114.153		
1,500.00	1,480.15	1,347.20	1,346.40	7.57	6.55	4.85	-410.84	1,623.22	1,468.64	1,454.89	13.75	106.828		
1,600.00	1,577.94	1,435.48	1,434.48	8.03	6.89	4.83	-410.30	1,629.03	1,453.92	1,439.42	14.50	100.261		
1,700.00	1,675.73	1,522.69	1,521.45	8.50	7.25	4.81	-409.85	1,635.57	1,440.09	1,424.82	15.26	94.347		
1,800.00	1,773.52	1,617.90	1,616.33	8.98	7.64	4.75	-408.75	1,643.31	1,426.72	1,410.65	16.06	88.809		
1,900.00	1,871.31	1,712.47	1,710.56	9.45	8.04	4.70	-407.81	1,651.29	1,413.68	1,396.80	16.87	83.783		
2,000.00	1,969.10	1,813.15	1,810.90	9.94	8.46	4.68	-407.77	1,659.63	1,400.73	1,383.02	17.71	79.102		
2,100.00	2,066.88	1,918.20	1,915.61	10.42	8.90	4.68	-408.03	1,668.01	1,387.56	1,369.00	18.56	74.747		
2,200.00	2,164.67	2,029.55	2,026.67	10.91	9.36	4.68	-408.20	1,676.00	1,373.59	1,354.14	19.45	70.637		
2,300.00	2,262.46	2,131.65	2,128.54	11.40	9.78	4.67	-407.83	1,682.98	1,359.17	1,338.87	20.30	66.951		
2,400.00	2,360.25	2,235.24	2,231.90	11.89	10.20	4.65	-407.49	1,689.73	1,344.46	1,323.29	21.16	63.523		
2,500.00	2,458.04	2,341.15	2,337.62	12.39	10.64	4.67	-407.57	1,696.10	1,329.36	1,307.32	22.04	60.321		
2,600.00	2,555.83	2,446.95	2,443.27	12.88	11.07	4.70	-407.97	1,701.67	1,313.62	1,290.70	22.91	57.331		
2,700.00	2,653.62	2,544.45	2,540.65	13.38	11.47	4.73	-408.24	1,706.59	1,297.64	1,273.88	23.76	54.603		
2,800.00	2,751.41	2,635.67	2,631.73	13.88	11.84	4.76	-408.50	1,711.55	1,282.05	1,257.45	24.60	52.113		
2,900.00	2,849.20	2,727.26	2,723.15	14.38	12.23	4.78	-408.94	1,717.15	1,267.15	1,241.71	25.44	49.805		
3,000.00	2,946.99	2,824.43	2,820.12	14.88	12.63	4.81	-409.46	1,723.30	1,252.46	1,226.16	26.30	47.618		
3,100.00	3,044.78	2,917.25	2,912.73	15.38	13.02	4.85	-410.17	1,729.49	1,238.17	1,211.02	27.15	45.602		
3,200.00	3,142.57	3,014.61	3,009.85	15.89	13.43	4.89	-411.06	1,736.28	1,224.21	1,196.19	28.02	43.694		
3,300.00	3,240.36	3,116.67	3,111.65	16.39	13.87	4.89	-411.15	1,743.46	1,210.09	1,181.19	28.90	41.872		
3,400.00	3,338.15	3,211.70	3,206.45	16.89	14.27	4.89	-411.13	1,750.29	1,196.09	1,166.33	29.76	40.188		
3,500.00	3,435.93	3,313.16	3,307.65	17.40	14.70	4.91	-411.68	1,757.50	1,182.16	1,151.52	30.65	38.575		
3,600.00	3,533.72	3,417.49	3,411.74	17.90	15.14	4.95	-412.44	1,764.38	1,167.79	1,136.25	31.54	37.029		
3,700.00	3,631.51	3,510.20	3,504.24	18.41	15.54	5.01	-413.48	1,770.49	1,153.51	1,121.12	32.40	35.606		
3,800.00	3,729.30	3,597.14	3,590.95	18.92	15.91	5.09	-415.10	1,776.80	1,140.06	1,106.82	33.24	34.297		
3,900.00	3,827.09	3,682.76	3,676.24	19.42	16.28	5.20	-417.55	1,783.77	1,127.73	1,093.65	34.08	33.090		
4,000.00	3,924.88	3,777.72	3,770.76	19.93	16.69	5.38	-421.50	1,792.03	1,116.28	1,081.32	34.95	31.938		
4,100.00	4,022.67	3,875.96	3,868.50	20.44	17.12	5.61	-426.52	1,800.48	1,105.00	1,069.17	35.83	30.836		
4,200.00	4,120.46	3,979.27	3,971.32	20.95	17.58	5.84	-431.36	1,809.39	1,093.65	1,056.92	36.74	29.771		
4,300.00	4,218.25	4,083.27	4,074.87	21.46	18.03	6.06	-435.68	1,818.01	1,081.86	1,044.22	37.64	28.744		
4,400.00	4,316.04	4,187.27	4,178.47	21.97	18.48	6.27	-439.63	1,826.28	1,069.64	1,031.10	38.54	27.755		
4,500.00	4,413.83	4,286.52	4,277.35	22.48	18.91	6.46	-443.13	1,833.98	1,057.18	1,017.76	39.43	26.814		
4,600.00	4,511.62	4,396.47	4,386.94	22.99	19.38	6.64	-446.35	1,842.22	1,044.32	1,003.98	40.34	25.887		
4,700.00	4,609.41	4,515.78	4,506.00	23.50	19.89	6.86	-449.57	1,849.31	1,029.92	988.66	41.26	24.959		
4,800.00	4,707.20	4,629.64	4,619.73	24.01	20.36	7.07	-451.85	1,854.13	1,013.70	971.54	42.16	24.043		
4,900.00	4,804.98	4,736.86	4,726.88	24.52	20.81	7.27	-453.59	1,857.67	996.53	953.48	43.05	23.151		
5,000.00	4,902.77	4,845.66	4,835.65	25.03	21.26	7.47	-454.81	1,860.15	978.23	934.31	43.92	22.272		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	4,948.56	4,938.52	25.54	21.68	7.65	-455.54	1,861.84	959.24	914.44	44.79	21.414		
5,200.00	5,098.35	5,050.92	5,040.88	26.05	22.11	7.83	-455.96	1,863.17	939.85	894.18	45.67	20.581		
5,300.00	5,196.14	5,148.76	5,138.71	26.56	22.51	8.01	-456.33	1,864.07	920.09	873.55	46.54	19.770		
5,400.00	5,293.93	5,241.91	5,231.85	27.07	22.89	8.23	-457.38	1,865.10	900.76	853.34	47.42	18.994		
5,500.00	5,391.72	5,337.73	5,327.64	27.58	23.29	8.53	-459.59	1,866.28	881.92	833.62	48.30	18.257		
5,600.00	5,489.51	5,437.39	5,427.27	28.09	23.70	8.86	-461.78	1,867.49	863.05	813.87	49.18	17.548		
5,700.00	5,587.30	5,537.33	5,527.19	28.61	24.12	9.15	-463.23	1,868.77	844.04	793.98	50.06	16.862		
5,800.00	5,685.09	5,635.73	5,625.57	29.12	24.53	9.42	-464.24	1,869.92	824.80	773.86	50.93	16.193		
5,900.00	5,782.88	5,730.99	5,720.82	29.63	24.92	9.66	-464.91	1,871.44	805.87	754.05	51.82	15.551		
6,000.00	5,880.67	5,829.95	5,819.76	30.14	25.34	9.92	-465.48	1,873.20	787.09	734.39	52.70	14.935		
6,100.00	5,978.46	5,932.84	5,922.64	30.65	25.77	10.21	-466.10	1,874.63	767.97	714.40	53.57	14.337		
6,200.00	6,076.25	6,034.87	6,024.66	31.17	26.19	10.51	-466.45	1,875.31	748.11	693.68	54.43	13.744		
6,298.86	6,172.92	6,131.89	6,121.69	31.67	26.59	10.79	-466.52	1,876.00	728.44	673.14	55.30	13.173		
6,300.00	6,174.03	6,133.06	6,122.86	31.68	26.60	10.70	-466.52	1,876.01	728.22	672.91	55.31	13.166		
6,350.00	6,223.30	6,184.61	6,174.40	31.92	26.81	4.39	-466.61	1,876.20	720.03	664.30	55.73	12.919		
6,400.00	6,273.06	6,237.87	6,227.66	32.13	27.04	-17.17	-466.75	1,876.18	715.29	659.15	56.14	12.742		
6,444.94	6,317.95	6,286.37	6,276.16	32.30	27.24	-99.58	-466.87	1,875.88	713.92	657.44	56.48	12.641 CC		
6,450.00	6,323.01	6,291.84	6,281.63	32.32	27.26	-107.75	-466.88	1,875.83	713.94	657.42	56.52	12.633 ES		
6,500.00	6,372.84	6,343.05	6,332.84	32.48	27.48	-140.16	-467.02	1,875.28	716.06	659.17	56.89	12.588 SF		
6,550.00	6,422.24	6,393.41	6,383.20	32.65	27.69	-148.05	-467.21	1,874.66	721.80	664.56	57.24	12.610		
6,600.00	6,470.92	6,443.43	6,433.21	32.83	27.90	-151.47	-467.45	1,873.94	731.14	673.56	57.57	12.699		
6,650.00	6,518.56	6,492.55	6,482.32	33.01	28.10	-153.36	-467.76	1,873.13	744.02	686.14	57.89	12.853		
6,700.00	6,564.89	6,539.57	6,529.34	33.21	28.30	-154.53	-468.10	1,872.27	760.44	702.26	58.18	13.070		
6,750.00	6,609.60	6,584.90	6,574.65	33.43	28.49	-155.27	-468.41	1,871.44	780.35	721.90	58.45	13.350		
6,800.00	6,652.43	6,629.89	6,619.63	33.66	28.68	-155.74	-468.73	1,870.57	803.64	744.94	58.70	13.691		
6,850.00	6,693.10	6,673.63	6,663.36	33.91	28.86	-155.99	-469.06	1,869.59	830.10	771.19	58.91	14.090		
6,900.00	6,731.38	6,715.45	6,705.17	34.20	29.03	-156.01	-469.42	1,868.51	859.61	800.50	59.10	14.544		
6,950.00	6,767.02	6,755.35	6,745.05	34.51	29.20	-155.81	-469.81	1,867.32	891.98	832.71	59.27	15.049		
7,000.00	6,799.81	6,792.54	6,782.21	34.85	29.36	-155.35	-470.20	1,866.06	927.04	867.63	59.42	15.603		
7,050.00	6,829.54	6,824.39	6,814.04	35.24	29.49	-154.49	-470.55	1,864.91	964.65	905.10	59.55	16.198		
7,100.00	6,856.03	6,852.42	6,842.05	35.66	29.61	-153.18	-470.84	1,863.89	1,004.65	944.98	59.67	16.836		
7,150.00	6,879.11	6,877.11	6,866.72	36.12	29.71	-151.28	-471.07	1,863.00	1,046.80	987.02	59.77	17.513		
7,200.00	6,898.65	6,898.29	6,887.89	36.62	29.80	-148.53	-471.25	1,862.24	1,090.83	1,030.97	59.86	18.224		
7,250.00	6,914.51	6,917.49	6,907.07	37.15	29.88	-144.61	-471.42	1,861.54	1,136.46	1,076.55	59.92	18.967		
7,300.00	6,926.62	6,932.90	6,922.48	37.73	29.95	-138.71	-471.55	1,860.95	1,183.40	1,123.44	59.96	19.735		
7,350.00	6,934.88	6,944.23	6,933.80	38.34	30.00	-129.49	-471.66	1,860.51	1,231.36	1,171.36	60.00	20.523		
7,400.00	6,939.26	6,951.34	6,940.90	38.97	30.03	-114.78	-471.72	1,860.23	1,280.04	1,220.02	60.02	21.326		
7,429.12	6,940.00	6,953.49	6,943.04	39.34	30.04	-102.83	-471.74	1,860.14	1,308.62	1,248.58	60.03	21.798		
7,500.00	6,940.19	6,956.95	6,946.50	40.31	30.05	-103.63	-471.77	1,860.00	1,378.34	1,318.29	60.05	22.952		
7,600.00	6,940.46	6,961.91	6,951.46	41.80	30.07	-104.77	-471.82	1,859.79	1,476.89	1,416.81	60.08	24.581		
7,700.00	6,940.72	6,966.98	6,956.53	43.43	30.09	-105.91	-471.87	1,859.58	1,575.61	1,515.50	60.11	26.211		
7,800.00	6,940.99	6,972.15	6,961.69	45.19	30.11	-107.07	-471.92	1,859.37	1,674.47	1,614.32	60.14	27.841		
7,900.00	6,941.25	6,977.43	6,966.96	47.05	30.14	-108.23	-471.97	1,859.14	1,773.44	1,713.26	60.17	29.472		
8,000.00	6,941.52	6,982.82	6,972.35	49.02	30.16	-109.40	-472.02	1,858.91	1,872.51	1,812.30	60.21	31.102		
8,100.00	6,941.79	6,988.32	6,977.84	51.06	30.18	-110.58	-472.08	1,858.68	1,971.66	1,911.42	60.24	32.732		
8,200.00	6,942.05	6,993.94	6,983.45	53.18	30.21	-111.77	-472.13	1,858.43	2,070.88	2,010.61	60.27	34.361		
8,300.00	6,942.32	6,999.68	6,989.19	55.37	30.23	-112.96	-472.19	1,858.17	2,170.15	2,109.85	60.30	35.990		
8,400.00	6,942.58	7,005.54	6,995.05	57.62	30.26	-114.15	-472.25	1,857.91	2,269.48	2,209.15	60.33	37.617		
8,500.00	6,942.85	7,011.54	7,001.04	59.92	30.28	-115.35	-472.31	1,857.64	2,368.86	2,308.49	60.36	39.243		
8,600.00	6,943.12	7,017.66	7,007.16	62.26	30.31	-116.55	-472.38	1,857.36	2,468.27	2,407.87	60.40	40.868		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,943.38	7,022.74	7,012.22	64.65	30.33	-117.52	-472.41	1,857.13	2,567.72	2,507.29	60.43	42.490		
8,800.00	6,943.65	7,028.73	7,018.21	67.08	30.35	-118.65	-472.47	1,856.85	2,667.20	2,606.74	60.47	44.111		
8,900.00	6,943.91	7,034.82	7,024.29	69.53	30.38	-119.77	-472.52	1,856.57	2,766.71	2,706.21	60.50	45.731		
9,000.00	6,944.18	7,041.00	7,030.47	72.02	30.41	-120.89	-472.57	1,856.28	2,866.24	2,805.70	60.54	47.348		
9,100.00	6,944.45	7,047.29	7,036.75	74.54	30.43	-122.00	-472.62	1,855.98	2,965.79	2,905.21	60.57	48.963		
9,200.00	6,944.71	7,053.69	7,043.14	77.07	30.46	-123.09	-472.66	1,855.67	3,065.36	3,004.75	60.61	50.576		
9,300.00	6,944.98	7,060.19	7,049.63	79.63	30.49	-124.18	-472.71	1,855.36	3,164.94	3,104.30	60.65	52.186		
9,400.00	6,945.24	7,066.79	7,056.23	82.21	30.51	-125.26	-472.75	1,855.04	3,264.54	3,203.86	60.69	53.793		
9,500.00	6,945.51	7,073.51	7,062.94	84.81	30.54	-126.33	-472.79	1,854.71	3,364.16	3,303.43	60.73	55.398		
9,600.00	6,945.78	7,080.35	7,069.77	87.43	30.57	-127.39	-472.83	1,854.37	3,463.79	3,403.02	60.77	57.000		
9,700.00	6,946.04	7,087.30	7,076.71	90.05	30.60	-128.43	-472.87	1,854.02	3,563.42	3,502.61	60.81	58.600		
9,800.00	6,946.31	7,094.37	7,083.78	92.70	30.63	-129.47	-472.91	1,853.66	3,663.07	3,602.22	60.85	60.196		
9,900.00	6,946.57	7,101.57	7,090.96	95.35	30.66	-130.49	-472.94	1,853.29	3,762.73	3,701.83	60.90	61.788		
10,000.00	6,946.84	7,108.90	7,098.28	98.02	30.69	-131.50	-472.98	1,852.92	3,862.39	3,801.45	60.94	63.378		
10,100.00	6,947.11	7,116.35	7,105.72	100.70	30.72	-132.49	-473.00	1,852.53	3,962.06	3,901.07	60.99	64.964		
10,200.00	6,947.37	7,117.23	7,106.61	103.38	30.73	-132.61	-473.02	1,852.49	4,061.75	4,000.72	61.03	66.548		
10,300.00	6,947.64	7,122.61	7,111.98	106.08	30.75	-133.30	-473.04	1,852.22	4,161.44	4,100.36	61.08	68.128		
10,400.00	6,947.90	7,127.99	7,117.35	108.78	30.78	-133.98	-473.07	1,851.94	4,261.14	4,200.01	61.13	69.705		
10,500.00	6,948.17	7,133.37	7,122.72	111.49	30.80	-134.65	-473.09	1,851.67	4,360.85	4,299.67	61.18	71.278		
10,600.00	6,948.44	7,138.74	7,128.09	114.21	30.82	-135.30	-473.12	1,851.39	4,460.56	4,399.33	61.23	72.847		
10,700.00	6,948.70	7,144.12	7,133.46	116.94	30.85	-135.93	-473.14	1,851.12	4,560.28	4,499.00	61.28	74.413		
10,800.00	6,948.97	7,149.50	7,138.83	119.67	30.87	-136.55	-473.16	1,850.85	4,660.01	4,598.67	61.34	75.974		
10,900.00	6,949.24	7,154.88	7,144.20	122.41	30.89	-137.16	-473.19	1,850.57	4,759.74	4,698.35	61.39	77.532		
11,000.00	6,949.50	7,160.25	7,149.57	125.15	30.91	-137.75	-473.21	1,850.30	4,859.48	4,798.03	61.45	79.086		
11,100.00	6,949.77	7,165.63	7,154.94	127.90	30.94	-138.33	-473.24	1,850.02	4,959.22	4,897.72	61.50	80.636		
11,200.00	6,950.03	7,171.01	7,160.31	130.65	30.96	-138.90	-473.26	1,849.75	5,058.96	4,997.40	61.56	82.182		
11,300.00	6,950.30	7,176.39	7,165.68	133.41	30.98	-139.45	-473.29	1,849.47	5,158.71	5,097.10	61.62	83.724		
11,400.00	6,950.57	7,181.76	7,171.05	136.17	31.01	-139.99	-473.31	1,849.20	5,258.47	5,196.79	61.67	85.261		
11,500.00	6,950.83	7,187.14	7,176.42	138.94	31.03	-140.52	-473.34	1,848.92	5,358.22	5,296.49	61.73	86.794		
11,600.00	6,951.10	7,192.52	7,181.79	141.71	31.05	-141.04	-473.36	1,848.65	5,457.98	5,396.19	61.80	88.323		
11,700.00	6,951.36	7,197.90	7,187.16	144.48	31.08	-141.55	-473.39	1,848.37	5,557.75	5,495.89	61.86	89.847		
11,800.00	6,951.63	7,203.27	7,192.53	147.26	31.10	-142.04	-473.41	1,848.10	5,657.52	5,595.59	61.92	91.366		
11,900.00	6,951.90	7,208.65	7,197.90	150.03	31.12	-142.53	-473.44	1,847.82	5,757.29	5,695.30	61.99	92.881		
12,000.00	6,952.16	7,214.03	7,203.27	152.82	31.15	-143.00	-473.46	1,847.55	5,857.06	5,795.01	62.05	94.391		
12,100.00	6,952.43	7,219.41	7,208.64	155.60	31.17	-143.46	-473.49	1,847.27	5,956.84	5,894.72	62.12	95.896		
12,200.00	6,952.69	7,224.78	7,214.01	158.39	31.19	-143.92	-473.51	1,847.00	6,056.61	5,994.43	62.18	97.397		
12,300.00	6,952.96	7,230.16	7,219.38	161.18	31.22	-144.36	-473.54	1,846.72	6,156.40	6,094.14	62.25	98.893		
12,400.00	6,953.23	7,235.54	7,224.75	163.97	31.24	-144.79	-473.56	1,846.45	6,256.18	6,193.86	62.32	100.383		
12,500.00	6,953.49	7,240.91	7,230.12	166.77	31.26	-145.22	-473.59	1,846.17	6,355.97	6,293.57	62.39	101.869		
12,600.00	6,953.76	7,246.29	7,235.49	169.56	31.28	-145.64	-473.61	1,845.90	6,455.75	6,393.29	62.47	103.350		
12,700.00	6,954.02	7,251.67	7,240.86	172.36	31.31	-146.04	-473.64	1,845.62	6,555.54	6,493.01	62.54	104.825		
12,800.00	6,954.29	7,257.05	7,246.24	175.16	31.33	-146.44	-473.66	1,845.35	6,655.34	6,592.72	62.61	106.295		
12,900.00	6,954.56	7,262.42	7,251.61	177.97	31.35	-146.83	-473.69	1,845.07	6,755.13	6,692.44	62.69	107.760		
13,000.00	6,954.82	7,267.80	7,256.98	180.77	31.38	-147.22	-473.71	1,844.80	6,854.93	6,792.16	62.76	109.220		
13,100.00	6,955.09	7,273.18	7,262.35	183.58	31.40	-147.59	-473.73	1,844.53	6,954.72	6,891.88	62.84	110.674		
13,200.00	6,955.35	7,278.56	7,267.72	186.38	31.42	-147.96	-473.76	1,844.25	7,054.52	6,991.61	62.92	112.123		
13,300.00	6,955.62	7,283.93	7,273.09	189.19	31.45	-148.32	-473.78	1,843.98	7,154.32	7,091.33	63.00	113.567		
13,400.00	6,955.89	7,289.31	7,278.46	192.00	31.47	-148.67	-473.81	1,843.70	7,254.13	7,191.05	63.08	115.005		
13,500.00	6,956.15	7,294.69	7,283.83	194.82	31.49	-149.02	-473.83	1,843.43	7,353.93	7,290.77	63.16	116.437		
13,600.00	6,956.42	7,300.07	7,289.20	197.63	31.52	-149.35	-473.86	1,843.15	7,453.73	7,390.49	63.24	117.864		
13,700.00	6,956.68	7,305.44	7,294.57	200.44	31.54	-149.69	-473.88	1,842.88	7,553.54	7,490.22	63.32	119.286		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	7,310.82	7,299.94	203.26	31.56	-150.01	-473.91	1,842.60	7,653.35	7,589.94	63.41	120.701		
13,900.00	6,957.22	7,316.20	7,305.31	206.08	31.59	-150.33	-473.93	1,842.33	7,753.16	7,689.66	63.49	122.111		
14,000.00	6,957.48	7,321.58	7,310.68	208.89	31.61	-150.64	-473.96	1,842.05	7,852.97	7,789.39	63.58	123.515		
14,100.00	6,957.75	7,326.95	7,316.05	211.71	31.63	-150.95	-473.98	1,841.78	7,952.78	7,889.11	63.67	124.914		
14,200.00	6,958.02	7,332.33	7,321.42	214.53	31.66	-151.25	-474.01	1,841.50	8,052.59	7,988.84	63.75	126.306		
14,300.00	6,958.28	7,337.71	7,326.79	217.36	31.68	-151.55	-474.03	1,841.23	8,152.40	8,088.56	63.84	127.693		
14,400.00	6,958.55	7,343.08	7,332.16	220.18	31.70	-151.84	-474.06	1,840.95	8,252.22	8,188.28	63.93	129.074		
14,500.00	6,958.81	7,348.46	7,337.53	223.00	31.72	-152.12	-474.08	1,840.68	8,352.03	8,288.01	64.03	130.449		
14,600.00	6,959.08	7,353.84	7,342.90	225.83	31.75	-152.40	-474.11	1,840.40	8,451.85	8,387.73	64.12	131.818		
14,700.00	6,959.35	7,359.22	7,348.27	228.65	31.77	-152.67	-474.13	1,840.13	8,551.67	8,487.46	64.21	133.181		
14,800.00	6,959.61	7,364.59	7,353.64	231.48	31.79	-152.94	-474.16	1,839.85	8,651.48	8,587.18	64.30	134.538		
14,900.00	6,959.88	7,369.97	7,359.01	234.30	31.82	-153.20	-474.18	1,839.58	8,751.30	8,686.90	64.40	135.890		
15,000.00	6,960.14	7,375.35	7,364.38	237.13	31.84	-153.46	-474.21	1,839.30	8,851.12	8,786.63	64.50	137.235		
15,100.00	6,960.41	7,380.73	7,369.75	239.96	31.86	-153.72	-474.23	1,839.03	8,950.94	8,886.35	64.59	138.574		
15,200.00	6,960.68	7,386.10	7,375.12	242.79	31.89	-153.97	-474.26	1,838.75	9,050.77	8,986.07	64.69	139.907		
15,300.00	6,960.94	7,391.48	7,380.49	245.62	31.91	-154.21	-474.28	1,838.48	9,150.59	9,085.80	64.79	141.233		
15,400.00	6,961.21	7,396.86	7,385.86	248.45	31.93	-154.45	-474.31	1,838.21	9,250.41	9,185.52	64.89	142.554		
15,500.00	6,961.47	7,402.24	7,391.23	251.28	31.96	-154.69	-474.33	1,837.93	9,350.23	9,285.24	64.99	143.869		
15,600.00	6,961.74	7,407.61	7,396.60	254.11	31.98	-154.92	-474.35	1,837.66	9,450.06	9,384.96	65.09	145.177		
15,700.00	6,962.01	7,383.00	7,372.02	256.94	31.87	-153.82	-474.24	1,838.91	9,549.93	9,484.80	65.13	146.627		
15,800.00	6,962.27	7,383.00	7,372.02	259.77	31.87	-153.82	-474.24	1,838.91	9,649.77	9,584.55	65.22	147.952		
15,900.00	6,962.54	7,383.00	7,372.02	262.61	31.87	-153.82	-474.24	1,838.91	9,749.62	9,684.30	65.31	149.273		
16,000.00	6,962.80	7,383.00	7,372.02	265.44	31.87	-153.82	-474.24	1,838.91	9,849.47	9,784.06	65.41	150.588		
16,100.00	6,963.07	7,383.00	7,372.02	268.28	31.87	-153.82	-474.24	1,838.91	9,949.32	9,883.82	65.50	151.897		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-162.96	-3,366.90	-1,031.88	3,521.56					
100.00	100.00	75.00	75.00	3.28	3.53	-162.96	-3,366.90	-1,031.88	3,521.47	3,514.66	6.82	516.624		
200.00	200.00	175.00	175.00	3.34	5.46	-162.96	-3,366.90	-1,031.88	3,521.47	3,512.68	8.80	400.348		
300.00	299.98	274.98	274.98	3.44	8.51	97.06	-3,366.90	-1,031.88	3,521.69	3,509.73	11.95	294.618		
400.00	399.84	374.84	374.84	3.60	11.80	97.13	-3,366.90	-1,031.88	3,522.34	3,506.93	15.40	228.710		
500.00	499.45	474.45	474.45	3.80	15.18	97.25	-3,366.90	-1,031.88	3,523.43	3,504.46	18.97	185.694		
600.00	598.70	573.70	573.70	4.05	18.57	97.42	-3,366.90	-1,031.88	3,525.00	3,502.38	22.62	155.844		
700.00	697.47	672.47	672.47	4.33	21.98	97.62	-3,366.90	-1,031.88	3,527.07	3,500.76	26.31	134.067		
803.50	799.05	774.05	774.05	4.67	25.49	97.88	-3,366.90	-1,031.88	3,529.79	3,499.63	30.16	117.038		
900.00	893.41	868.41	868.41	5.02	28.76	98.20	-3,366.90	-1,031.88	3,532.68	3,498.90	33.78	104.584		
1,000.00	991.20	966.20	966.20	5.41	32.15	98.53	-3,366.90	-1,031.88	3,535.79	3,498.23	37.56	94.141		
1,100.00	1,088.99	1,063.99	1,063.99	5.81	35.55	98.86	-3,366.90	-1,031.88	3,539.02	3,497.66	41.36	85.561		
1,200.00	1,186.78	1,161.78	1,161.78	6.23	38.95	99.18	-3,366.90	-1,031.88	3,542.37	3,497.18	45.19	78.396		
1,300.00	1,284.57	1,259.57	1,259.57	6.67	42.35	99.51	-3,366.90	-1,031.88	3,545.84	3,496.82	49.02	72.329		
1,400.00	1,382.36	1,357.36	1,357.36	7.12	45.76	99.84	-3,366.90	-1,031.88	3,549.43	3,496.56	52.87	67.130		
1,500.00	1,480.15	1,455.15	1,455.15	7.57	49.16	100.16	-3,366.90	-1,031.88	3,553.14	3,496.41	56.73	62.628		
1,600.00	1,577.94	1,552.94	1,552.94	8.03	52.57	100.49	-3,366.90	-1,031.88	3,556.97	3,496.37	60.60	58.693		
1,700.00	1,675.73	1,650.73	1,650.73	8.50	55.98	100.81	-3,366.90	-1,031.88	3,560.92	3,496.44	64.48	55.226		
1,800.00	1,773.52	1,748.52	1,748.52	8.98	59.39	101.13	-3,366.90	-1,031.88	3,564.98	3,496.62	68.36	52.150		
1,900.00	1,871.31	1,846.31	1,846.31	9.45	62.79	101.45	-3,366.90	-1,031.88	3,569.17	3,496.92	72.25	49.403		
2,000.00	1,969.10	1,944.10	1,944.10	9.94	66.20	101.78	-3,366.90	-1,031.88	3,573.47	3,497.33	76.14	46.935		
2,100.00	2,066.88	2,041.88	2,041.88	10.42	69.61	102.10	-3,366.90	-1,031.88	3,577.89	3,497.86	80.03	44.707		
2,200.00	2,164.67	2,139.67	2,139.67	10.91	73.02	102.42	-3,366.90	-1,031.88	3,582.42	3,498.50	83.93	42.685		
2,300.00	2,262.46	2,237.46	2,237.46	11.40	76.43	102.74	-3,366.90	-1,031.88	3,587.07	3,499.25	87.83	40.843		
2,400.00	2,360.25	2,335.25	2,335.25	11.89	79.85	103.05	-3,366.90	-1,031.88	3,591.84	3,500.11	91.73	39.158		
2,500.00	2,458.04	2,433.04	2,433.04	12.39	83.26	103.37	-3,366.90	-1,031.88	3,596.72	3,501.09	95.63	37.610		
2,600.00	2,555.83	2,530.83	2,530.83	12.88	86.67	103.69	-3,366.90	-1,031.88	3,601.72	3,502.18	99.54	36.185		
2,700.00	2,653.62	2,628.62	2,628.62	13.38	90.08	104.01	-3,366.90	-1,031.88	3,606.83	3,503.39	103.44	34.868		
2,800.00	2,751.41	2,726.41	2,726.41	13.88	93.49	104.32	-3,366.90	-1,031.88	3,612.06	3,504.71	107.35	33.647		
2,900.00	2,849.20	2,824.20	2,824.20	14.38	96.90	104.64	-3,366.90	-1,031.88	3,617.39	3,506.13	111.26	32.513		
3,000.00	2,946.99	2,921.99	2,921.99	14.88	100.31	104.95	-3,366.90	-1,031.88	3,622.85	3,507.68	115.17	31.456		
3,100.00	3,044.78	3,019.78	3,019.78	15.38	103.73	105.26	-3,366.90	-1,031.88	3,628.41	3,509.33	119.08	30.470		
3,200.00	3,142.57	3,117.57	3,117.57	15.89	107.14	105.57	-3,366.90	-1,031.88	3,634.08	3,511.09	122.99	29.547		
3,300.00	3,240.36	3,215.36	3,215.36	16.39	110.55	105.88	-3,366.90	-1,031.88	3,639.87	3,512.97	126.91	28.682		
3,400.00	3,338.15	3,313.15	3,313.15	16.89	113.96	106.19	-3,366.90	-1,031.88	3,645.77	3,514.95	130.82	27.869		
3,500.00	3,435.93	3,410.93	3,410.93	17.40	117.38	106.50	-3,366.90	-1,031.88	3,651.78	3,517.04	134.73	27.104		
3,600.00	3,533.72	3,508.72	3,508.72	17.90	120.79	106.81	-3,366.90	-1,031.88	3,657.89	3,519.25	138.65	26.383		
3,700.00	3,631.51	3,606.51	3,606.51	18.41	124.20	107.12	-3,366.90	-1,031.88	3,664.12	3,521.56	142.56	25.702		
3,800.00	3,729.30	3,704.30	3,704.30	18.92	127.61	107.42	-3,366.90	-1,031.88	3,670.45	3,523.98	146.47	25.059		
3,900.00	3,827.09	3,802.09	3,802.09	19.42	131.03	107.73	-3,366.90	-1,031.88	3,676.90	3,526.51	150.39	24.449		
4,000.00	3,924.88	3,900.12	3,899.88	19.93	134.45	108.03	-3,366.90	-1,031.88	3,683.45	3,529.14	154.31	23.870		
4,100.00	4,022.67	4,002.33	3,997.67	20.44	138.02	108.33	-3,366.90	-1,031.88	3,690.11	3,531.72	158.38	23.299		
4,200.00	4,120.46	4,104.54	4,095.46	20.95	141.58	108.63	-3,366.90	-1,031.88	3,696.87	3,534.42	162.45	22.757		
4,300.00	4,218.25	4,206.75	4,193.25	21.46	145.15	108.93	-3,366.90	-1,031.88	3,703.74	3,537.22	166.52	22.242		
4,400.00	4,316.04	4,308.96	4,291.04	21.97	148.72	109.23	-3,366.90	-1,031.88	3,710.71	3,540.12	170.59	21.752		
4,500.00	4,413.83	4,388.83	4,388.83	22.48	151.50	109.53	-3,366.90	-1,031.88	3,717.79	3,543.91	173.88	21.381		
4,600.00	4,511.62	4,486.62	4,486.62	22.99	154.92	109.83	-3,366.90	-1,031.88	3,724.97	3,547.18	177.80	20.951		
4,700.00	4,609.41	4,584.41	4,584.41	23.50	158.33	110.13	-3,366.90	-1,031.88	3,732.26	3,550.55	181.71	20.540		
4,800.00	4,707.20	4,682.20	4,682.20	24.01	161.74	110.42	-3,366.90	-1,031.88	3,739.65	3,554.02	185.63	20.146		
4,900.00	4,804.98	4,779.98	4,779.98	24.52	165.16	110.71	-3,366.90	-1,031.88	3,747.14	3,557.60	189.54	19.770		
5,000.00	4,902.77	4,877.77	4,877.77	25.03	168.57	111.01	-3,366.90	-1,031.88	3,754.73	3,561.28	193.46	19.409		

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Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - POP I #14-17 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,100.00	5,000.56	4,975.56	4,975.56	25.54	171.98	111.30	-3,366.90	-1,031.88	3,762.43	3,565.06	197.37	19.063					
5,200.00	5,098.35	5,073.35	5,073.35	26.05	175.40	111.59	-3,366.90	-1,031.88	3,770.22	3,568.93	201.29	18.731					
5,300.00	5,196.14	5,171.14	5,171.14	26.56	178.81	111.88	-3,366.90	-1,031.88	3,778.11	3,572.91	205.20	18.412					
5,400.00	5,293.93	5,268.93	5,268.93	27.07	182.22	112.17	-3,366.90	-1,031.88	3,786.11	3,576.99	209.12	18.105					
5,500.00	5,391.72	5,366.72	5,366.72	27.58	185.64	112.45	-3,366.90	-1,031.88	3,794.20	3,581.17	213.03	17.811					
5,600.00	5,489.51	5,464.51	5,464.51	28.09	189.05	112.74	-3,366.90	-1,031.88	3,802.39	3,585.44	216.94	17.527					
5,700.00	5,587.30	5,562.30	5,562.30	28.61	192.46	113.02	-3,366.90	-1,031.88	3,810.67	3,589.81	220.86	17.254					
5,800.00	5,685.09	5,660.09	5,660.09	29.12	195.88	113.31	-3,366.90	-1,031.88	3,819.05	3,594.28	224.77	16.991					
5,900.00	5,782.88	5,757.88	5,757.88	29.63	199.29	113.59	-3,366.90	-1,031.88	3,827.53	3,598.85	228.69	16.737					
6,000.00	5,880.67	5,855.67	5,855.67	30.14	202.70	113.87	-3,366.90	-1,031.88	3,836.10	3,603.50	232.60	16.492					
6,100.00	5,978.46	5,953.46	5,953.46	30.65	206.12	114.15	-3,366.90	-1,031.88	3,844.77	3,608.26	236.51	16.256					
6,200.00	6,076.25	6,051.25	6,051.25	31.17	209.53	114.43	-3,366.90	-1,031.88	3,853.53	3,613.11	240.43	16.028					
6,298.86	6,172.92	6,147.92	6,147.92	31.67	212.90	114.70	-3,366.90	-1,031.88	3,862.29	3,617.99	244.29	15.810					
6,300.00	6,174.03	6,149.03	6,149.03	31.68	212.94	114.63	-3,366.90	-1,031.88	3,862.39	3,618.05	244.34	15.808					
6,350.00	6,223.30	6,201.70	6,198.30	31.92	214.78	108.84	-3,366.90	-1,031.88	3,865.67	3,619.25	246.41	15.688					
6,400.00	6,273.06	6,248.06	6,248.06	32.13	216.40	87.58	-3,366.90	-1,031.88	3,866.68	3,618.43	248.25	15.576					
6,450.00	6,323.01	6,301.99	6,298.01	32.32	218.28	-2.91	-3,366.90	-1,031.88	3,865.40	3,615.09	250.31	15.442					
6,500.00	6,372.84	6,347.84	6,347.84	32.48	219.88	-35.45	-3,366.90	-1,031.88	3,861.85	3,609.78	252.07	15.320					
6,550.00	6,422.24	6,402.76	6,397.24	32.65	221.80	-43.71	-3,366.90	-1,031.88	3,856.04	3,601.89	254.15	15.172					
6,600.00	6,470.92	6,445.92	6,445.92	32.83	223.31	-47.73	-3,366.90	-1,031.88	3,848.03	3,592.20	255.83	15.042					
6,650.00	6,518.56	6,506.44	6,493.56	33.01	225.42	-50.47	-3,366.90	-1,031.88	3,837.88	3,579.77	258.11	14.869					
6,700.00	6,564.89	6,539.89	6,539.89	33.21	226.59	-52.77	-3,366.90	-1,031.88	3,825.68	3,566.22	259.46	14.745					
6,750.00	6,609.60	6,584.60	6,584.60	33.43	228.15	-54.92	-3,366.90	-1,031.88	3,811.55	3,550.34	261.21	14.592					
6,800.00	6,652.43	6,627.43	6,627.43	33.66	229.64	-57.08	-3,366.90	-1,031.88	3,795.60	3,532.69	262.91	14.437					
6,850.00	6,693.10	6,668.10	6,668.10	33.91	231.06	-59.31	-3,366.90	-1,031.88	3,777.99	3,513.44	264.55	14.281					
6,900.00	6,731.38	6,706.38	6,706.38	34.20	232.40	-61.65	-3,366.90	-1,031.88	3,758.87	3,492.75	266.13	14.124					
6,950.00	6,767.02	6,742.02	6,742.02	34.51	233.64	-64.12	-3,366.90	-1,031.88	3,738.42	3,470.79	267.63	13.968					
7,000.00	6,799.81	6,774.81	6,774.81	34.85	234.79	-66.70	-3,366.90	-1,031.88	3,716.82	3,447.75	269.07	13.814					
7,050.00	6,829.54	6,804.54	6,804.54	35.24	235.82	-69.39	-3,366.90	-1,031.88	3,694.27	3,423.84	270.43	13.661					
7,100.00	6,856.03	6,831.03	6,831.03	35.66	236.75	-72.16	-3,366.90	-1,031.88	3,670.96	3,399.24	271.71	13.510					
7,150.00	6,879.11	6,854.11	6,854.11	36.12	237.55	-74.98	-3,366.90	-1,031.88	3,647.09	3,374.17	272.91	13.363					
7,200.00	6,898.65	6,873.65	6,873.65	36.62	238.24	-77.82	-3,366.90	-1,031.88	3,622.87	3,348.84	274.03	13.221					
7,250.00	6,914.51	6,889.51	6,889.51	37.15	238.79	-80.63	-3,366.90	-1,031.88	3,598.51	3,323.45	275.06	13.083					
7,300.00	6,926.62	6,901.62	6,901.62	37.73	239.21	-83.38	-3,366.90	-1,031.88	3,574.19	3,298.20	275.99	12.950					
7,350.00	6,934.88	6,909.88	6,909.88	38.34	239.50	-86.02	-3,366.90	-1,031.88	3,550.12	3,273.29	276.83	12.824					
7,400.00	6,939.26	6,914.26	6,914.26	38.97	239.65	-88.53	-3,366.90	-1,031.88	3,526.47	3,248.91	277.56	12.705					
7,429.12	6,940.00	6,915.00	6,915.00	39.34	239.68	-89.92	-3,366.90	-1,031.88	3,512.96	3,235.02	277.93	12.640					
7,500.00	6,940.19	6,915.19	6,915.19	40.31	239.69	-89.92	-3,366.90	-1,031.88	3,480.91	3,202.06	278.85	12.483					
7,600.00	6,940.46	6,915.46	6,915.46	41.80	239.70	-89.93	-3,366.90	-1,031.88	3,437.68	3,157.39	280.29	12.265					
7,700.00	6,940.72	6,915.72	6,915.72	43.43	239.71	-89.93	-3,366.90	-1,031.88	3,396.84	3,114.94	281.90	12.050					
7,800.00	6,940.99	6,915.99	6,915.99	45.19	239.71	-89.94	-3,366.90	-1,031.88	3,358.48	3,074.82	283.66	11.840					
7,900.00	6,941.25	6,916.25	6,916.25	47.05	239.72	-89.94	-3,366.90	-1,031.88	3,322.69	3,037.12	285.57	11.635					
8,000.00	6,941.52	6,916.52	6,916.52	49.02	239.73	-89.95	-3,366.90	-1,031.88	3,289.56	3,001.95	287.61	11.438					
8,100.00	6,941.79	6,916.79	6,916.79	51.06	239.74	-89.95	-3,366.90	-1,031.88	3,259.15	2,969.39	289.76	11.248					
8,200.00	6,942.05	6,917.05	6,917.05	53.18	239.75	-89.96	-3,366.90	-1,031.88	3,231.56	2,939.54	292.01	11.066					
8,300.00	6,942.32	6,917.32	6,917.32	55.37	239.76	-89.96	-3,366.90	-1,031.88	3,206.84	2,912.49	294.35	10.895					
8,400.00	6,942.58	6,917.58	6,917.58	57.62	239.77	-89.97	-3,366.90	-1,031.88	3,185.08	2,888.32	296.76	10.733					
8,500.00	6,942.85	6,917.85	6,917.85	59.92	239.78	-89.97	-3,366.90	-1,031.88	3,166.33	2,867.10	299.23	10.582					
8,600.00	6,943.12	6,918.12	6,918.12	62.26	239.79	-89.98	-3,366.90	-1,031.88	3,150.64	2,848.90	301.73	10.442					
8,700.00	6,943.38	6,918.38	6,918.38	64.65	239.80	-89.98	-3,366.90	-1,031.88	3,138.06	2,833.80	304.26	10.314					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,918.65	6,918.65	67.08	239.81	-89.99	-3,366.90	-1,031.88	3,128.62	2,821.83	306.80	10.198			
8,900.00	6,943.91	6,918.91	6,918.91	69.53	239.82	-89.99	-3,366.90	-1,031.88	3,122.37	2,813.03	309.33	10.094			
9,000.00	6,944.18	6,919.18	6,919.18	72.02	239.83	-90.00	-3,366.90	-1,031.88	3,119.30	2,807.46	311.85	10.003			
9,045.57	6,944.30	6,919.30	6,919.30	73.17	239.83	-90.00	-3,366.90	-1,031.88	3,118.97	2,805.98	312.99	9.965 CC			
9,100.00	6,944.45	6,919.45	6,919.45	74.54	239.84	-90.00	-3,366.90	-1,031.88	3,119.45	2,805.11	314.33	9.924 ES			
9,200.00	6,944.71	6,919.71	6,919.71	77.07	239.84	-90.01	-3,366.90	-1,031.88	3,122.79	2,806.01	316.78	9.858			
9,300.00	6,944.98	6,919.98	6,919.98	79.63	239.85	-90.01	-3,366.90	-1,031.88	3,129.33	2,810.16	319.17	9.804			
9,400.00	6,945.24	6,920.24	6,920.24	82.21	239.86	-90.02	-3,366.90	-1,031.88	3,139.04	2,817.54	321.51	9.764			
9,500.00	6,945.51	6,920.51	6,920.51	84.81	239.87	-90.02	-3,366.90	-1,031.88	3,151.90	2,828.13	323.77	9.735			
9,600.00	6,945.78	6,920.78	6,920.78	87.43	239.88	-90.03	-3,366.90	-1,031.88	3,167.86	2,841.91	325.95	9.719			
9,700.00	6,946.04	6,921.04	6,921.04	90.05	239.89	-90.03	-3,366.90	-1,031.88	3,186.89	2,858.83	328.06	9.714 SF			
9,800.00	6,946.31	6,921.31	6,921.31	92.70	239.90	-90.04	-3,366.90	-1,031.88	3,208.92	2,878.85	330.07	9.722			
9,900.00	6,946.57	6,921.57	6,921.57	95.35	239.91	-90.04	-3,366.90	-1,031.88	3,233.89	2,901.90	331.99	9.741			
10,000.00	6,946.84	6,921.84	6,921.84	98.02	239.92	-90.05	-3,366.90	-1,031.88	3,261.73	2,927.92	333.82	9.771			
10,100.00	6,947.11	6,922.11	6,922.11	100.70	239.93	-90.05	-3,366.90	-1,031.88	3,292.38	2,956.84	335.55	9.812			
10,200.00	6,947.37	6,922.37	6,922.37	103.38	239.94	-90.06	-3,366.90	-1,031.88	3,325.76	2,988.58	337.18	9.863			
10,300.00	6,947.64	6,922.64	6,922.64	106.08	239.95	-90.06	-3,366.90	-1,031.88	3,361.78	3,023.06	338.72	9.925			
10,400.00	6,947.90	6,922.90	6,922.90	108.78	239.96	-90.07	-3,366.90	-1,031.88	3,400.36	3,060.20	340.16	9.996			
10,500.00	6,948.17	6,923.17	6,923.17	111.49	239.97	-90.07	-3,366.90	-1,031.88	3,441.41	3,099.90	341.51	10.077			
10,600.00	6,948.44	6,923.44	6,923.44	114.21	239.97	-90.08	-3,366.90	-1,031.88	3,484.85	3,142.09	342.77	10.167			
10,700.00	6,948.70	6,923.70	6,923.70	116.94	239.98	-90.08	-3,366.90	-1,031.88	3,530.59	3,186.66	343.93	10.265			
10,800.00	6,948.97	6,923.97	6,923.97	119.67	239.99	-90.09	-3,366.90	-1,031.88	3,578.54	3,233.53	345.02	10.372			
10,900.00	6,949.24	6,924.24	6,924.24	122.41	240.00	-90.09	-3,366.90	-1,031.88	3,628.62	3,282.60	346.02	10.487			
11,000.00	6,949.50	6,924.50	6,924.50	125.15	240.01	-90.10	-3,366.90	-1,031.88	3,680.73	3,333.79	346.94	10.609			
11,100.00	6,949.77	6,924.77	6,924.77	127.90	240.02	-90.10	-3,366.90	-1,031.88	3,734.79	3,387.00	347.79	10.739			
11,200.00	6,950.03	6,925.03	6,925.03	130.65	240.03	-90.11	-3,366.90	-1,031.88	3,790.71	3,442.15	348.56	10.875			
11,300.00	6,950.30	6,925.30	6,925.30	133.41	240.04	-90.11	-3,366.90	-1,031.88	3,848.43	3,499.16	349.27	11.018			
11,400.00	6,950.57	6,925.57	6,925.57	136.17	240.05	-90.12	-3,366.90	-1,031.88	3,907.85	3,557.93	349.92	11.168			
11,500.00	6,950.83	6,925.83	6,925.83	138.94	240.06	-90.12	-3,366.90	-1,031.88	3,968.90	3,618.39	350.51	11.323			
11,600.00	6,951.10	6,926.10	6,926.10	141.71	240.07	-90.12	-3,366.90	-1,031.88	4,031.51	3,680.47	351.04	11.484			
11,700.00	6,951.36	6,926.36	6,926.36	144.48	240.08	-90.13	-3,366.90	-1,031.88	4,095.60	3,744.08	351.52	11.651			
11,800.00	6,951.63	6,926.63	6,926.63	147.26	240.09	-90.13	-3,366.90	-1,031.88	4,161.11	3,809.15	351.95	11.823			
11,900.00	6,951.90	6,926.90	6,926.90	150.03	240.10	-90.14	-3,366.90	-1,031.88	4,227.97	3,875.62	352.34	12.000			
12,000.00	6,952.16	6,927.16	6,927.16	152.82	240.10	-90.14	-3,366.90	-1,031.88	4,296.11	3,943.42	352.69	12.181			
12,100.00	6,952.43	6,927.43	6,927.43	155.60	240.11	-90.15	-3,366.90	-1,031.88	4,365.48	4,012.49	353.00	12.367			
12,200.00	6,952.69	6,927.69	6,927.69	158.39	240.12	-90.15	-3,366.90	-1,031.88	4,436.03	4,082.76	353.27	12.557			
12,300.00	6,952.96	6,927.96	6,927.96	161.18	240.13	-90.16	-3,366.90	-1,031.88	4,507.68	4,154.17	353.51	12.751			
12,400.00	6,953.23	6,928.23	6,928.23	163.97	240.14	-90.16	-3,366.90	-1,031.88	4,580.40	4,226.68	353.72	12.949			
12,500.00	6,953.49	6,928.49	6,928.49	166.77	240.15	-90.17	-3,366.90	-1,031.88	4,654.14	4,300.23	353.90	13.151			
12,600.00	6,953.76	6,928.76	6,928.76	169.56	240.16	-90.17	-3,366.90	-1,031.88	4,728.83	4,374.78	354.06	13.356			
12,700.00	6,954.02	6,929.02	6,929.02	172.36	240.17	-90.18	-3,366.90	-1,031.88	4,804.45	4,450.26	354.19	13.565			
12,800.00	6,954.29	6,929.29	6,929.29	175.16	240.18	-90.18	-3,366.90	-1,031.88	4,880.95	4,526.64	354.30	13.776			
12,900.00	6,954.56	6,929.56	6,929.56	177.97	240.19	-90.19	-3,366.90	-1,031.88	4,958.28	4,603.88	354.39	13.991			
13,000.00	6,954.82	6,929.82	6,929.82	180.77	240.20	-90.19	-3,366.90	-1,031.88	5,036.41	4,681.94	354.47	14.208			
13,100.00	6,955.09	6,930.09	6,930.09	183.58	240.21	-90.20	-3,366.90	-1,031.88	5,115.30	4,760.77	354.52	14.429			
13,200.00	6,955.35	6,930.35	6,930.35	186.38	240.22	-90.20	-3,366.90	-1,031.88	5,194.92	4,840.35	354.56	14.652			
13,300.00	6,955.62	6,930.62	6,930.62	189.19	240.23	-90.21	-3,366.90	-1,031.88	5,275.23	4,920.64	354.59	14.877			
13,400.00	6,955.89	6,930.89	6,930.89	192.00	240.23	-90.21	-3,366.90	-1,031.88	5,356.20	5,001.59	354.61	15.105			
13,500.00	6,956.15	6,931.15	6,931.15	194.82	240.24	-90.22	-3,366.90	-1,031.88	5,437.81	5,083.20	354.61	15.335			
13,600.00	6,956.42	6,931.42	6,931.42	197.63	240.25	-90.22	-3,366.90	-1,031.88	5,520.02	5,165.42	354.61	15.567			
13,700.00	6,956.68	6,931.68	6,931.68	200.44	240.26	-90.23	-3,366.90	-1,031.88	5,602.82	5,248.23	354.59	15.801			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	6,956.95	6,931.95	6,931.95	203.26	240.27	-90.23	-3,366.90	-1,031.88	5,686.16	5,331.59	354.57	16.037		
13,900.00	6,957.22	6,932.22	6,932.22	206.08	240.28	-90.24	-3,366.90	-1,031.88	5,770.04	5,415.50	354.54	16.275		
14,000.00	6,957.48	6,932.48	6,932.48	208.89	240.29	-90.24	-3,366.90	-1,031.88	5,854.42	5,499.92	354.50	16.515		
14,100.00	6,957.75	6,932.75	6,932.75	211.71	240.30	-90.25	-3,366.90	-1,031.88	5,939.28	5,584.83	354.45	16.756		
14,200.00	6,958.02	6,933.02	6,933.02	214.53	240.31	-90.25	-3,366.90	-1,031.88	6,024.61	5,670.21	354.40	16.999		
14,300.00	6,958.28	6,933.28	6,933.28	217.36	240.32	-90.26	-3,366.90	-1,031.88	6,110.39	5,756.04	354.35	17.244		
14,400.00	6,958.55	6,933.55	6,933.55	220.18	240.33	-90.26	-3,366.90	-1,031.88	6,196.59	5,842.30	354.29	17.490		
14,500.00	6,958.81	6,933.81	6,933.81	223.00	240.34	-90.27	-3,366.90	-1,031.88	6,283.20	5,928.97	354.23	17.738		
14,600.00	6,959.08	6,934.08	6,934.08	225.83	240.35	-90.27	-3,366.90	-1,031.88	6,370.20	6,016.04	354.16	17.987		
14,700.00	6,959.35	6,934.35	6,934.35	228.65	240.36	-90.28	-3,366.90	-1,031.88	6,457.58	6,103.49	354.09	18.237		
14,800.00	6,959.61	6,934.61	6,934.61	231.48	240.36	-90.28	-3,366.90	-1,031.88	6,545.32	6,191.30	354.02	18.489		
14,900.00	6,959.88	6,934.88	6,934.88	234.30	240.37	-90.29	-3,366.90	-1,031.88	6,633.41	6,279.46	353.94	18.741		
15,000.00	6,960.14	6,935.14	6,935.14	237.13	240.38	-90.29	-3,366.90	-1,031.88	6,721.83	6,367.96	353.87	18.995		
15,100.00	6,960.41	6,935.41	6,935.41	239.96	240.39	-90.30	-3,366.90	-1,031.88	6,810.57	6,456.78	353.79	19.250		
15,200.00	6,960.68	6,935.68	6,935.68	242.79	240.40	-90.30	-3,366.90	-1,031.88	6,899.62	6,545.91	353.71	19.506		
15,300.00	6,960.94	6,935.94	6,935.94	245.62	240.41	-90.31	-3,366.90	-1,031.88	6,988.96	6,635.33	353.63	19.763		
15,400.00	6,961.21	6,936.21	6,936.21	248.45	240.42	-90.31	-3,366.90	-1,031.88	7,078.59	6,725.04	353.55	20.021		
15,500.00	6,961.47	6,936.47	6,936.47	251.28	240.43	-90.32	-3,366.90	-1,031.88	7,168.50	6,815.03	353.47	20.280		
15,600.00	6,961.74	6,936.74	6,936.74	254.11	240.44	-90.32	-3,366.90	-1,031.88	7,258.67	6,905.28	353.39	20.540		
15,700.00	6,962.01	6,937.01	6,937.01	256.94	240.45	-90.33	-3,366.90	-1,031.88	7,349.09	6,995.78	353.31	20.801		
15,800.00	6,962.27	6,937.27	6,937.27	259.77	240.46	-90.33	-3,366.90	-1,031.88	7,439.76	7,086.53	353.22	21.062		
15,900.00	6,962.54	6,937.54	6,937.54	262.61	240.47	-90.34	-3,366.90	-1,031.88	7,530.66	7,177.52	353.14	21.325		
16,000.00	6,962.80	6,937.80	6,937.80	265.44	240.48	-90.34	-3,366.90	-1,031.88	7,621.79	7,268.73	353.06	21.588		
16,100.00	6,963.07	6,938.07	6,938.07	268.28	240.49	-90.34	-3,366.90	-1,031.88	7,713.15	7,360.17	352.98	21.852		
16,200.00	6,963.34	6,938.34	6,938.34	271.11	240.49	-90.35	-3,366.90	-1,031.88	7,804.71	7,451.81	352.90	22.116		
16,300.00	6,963.60	6,938.60	6,938.60	273.95	240.50	-90.35	-3,366.90	-1,031.88	7,896.48	7,543.66	352.82	22.381		
16,400.00	6,963.87	6,938.87	6,938.87	276.78	240.51	-90.36	-3,366.90	-1,031.88	7,988.44	7,635.71	352.74	22.647		
16,500.00	6,964.13	6,939.13	6,939.13	279.62	240.52	-90.36	-3,366.90	-1,031.88	8,080.60	7,727.95	352.66	22.914		
16,600.00	6,964.40	6,939.40	6,939.40	282.46	240.53	-90.37	-3,366.90	-1,031.88	8,172.94	7,820.37	352.58	23.181		
16,700.00	6,964.67	6,939.67	6,939.67	285.29	240.54	-90.37	-3,366.90	-1,031.88	8,265.46	7,912.96	352.50	23.448		
16,800.00	6,964.93	6,939.93	6,939.93	288.13	240.55	-90.38	-3,366.90	-1,031.88	8,358.15	8,005.73	352.42	23.716		
16,900.00	6,965.20	6,940.20	6,940.20	290.97	240.56	-90.38	-3,366.90	-1,031.88	8,451.01	8,098.67	352.35	23.985		
17,000.00	6,965.46	6,940.46	6,940.46	293.81	240.57	-90.39	-3,366.90	-1,031.88	8,544.03	8,191.76	352.27	24.254		
17,100.00	6,965.73	6,940.73	6,940.73	296.65	240.58	-90.39	-3,366.90	-1,031.88	8,637.21	8,285.01	352.20	24.524		
17,200.00	6,966.00	6,941.00	6,941.00	299.49	240.59	-90.40	-3,366.90	-1,031.88	8,730.54	8,378.41	352.13	24.794		
17,300.00	6,966.26	6,941.26	6,941.26	302.32	240.60	-90.40	-3,366.90	-1,031.88	8,824.01	8,471.95	352.05	25.064		
17,400.00	6,966.53	6,941.53	6,941.53	305.16	240.61	-90.41	-3,366.90	-1,031.88	8,917.62	8,565.64	351.98	25.335		
17,500.00	6,966.80	6,941.80	6,941.80	308.00	240.62	-90.41	-3,366.90	-1,031.88	9,011.37	8,659.46	351.92	25.607		
17,600.00	6,967.06	6,942.06	6,942.06	310.85	240.62	-90.42	-3,366.90	-1,031.88	9,105.26	8,753.41	351.85	25.878		
17,700.00	6,967.33	6,942.33	6,942.33	313.69	240.63	-90.42	-3,366.90	-1,031.88	9,199.27	8,847.49	351.78	26.151		
17,800.00	6,967.59	6,942.59	6,942.59	316.53	240.64	-90.43	-3,366.90	-1,031.88	9,293.41	8,941.70	351.72	26.423		
17,900.00	6,967.86	6,942.86	6,942.86	319.37	240.65	-90.43	-3,366.90	-1,031.88	9,387.67	9,036.02	351.65	26.696		
18,000.00	6,968.13	6,943.13	6,943.13	322.21	240.66	-90.44	-3,366.90	-1,031.88	9,482.05	9,130.46	351.59	26.969		
18,100.00	6,968.39	6,943.39	6,943.39	325.05	240.67	-90.44	-3,366.90	-1,031.88	9,576.54	9,225.01	351.53	27.243		
18,200.00	6,968.66	6,943.66	6,943.66	327.90	240.68	-90.45	-3,366.90	-1,031.88	9,671.14	9,319.67	351.47	27.516		
18,300.00	6,968.92	6,943.92	6,943.92	330.74	240.69	-90.45	-3,366.90	-1,031.88	9,765.85	9,414.44	351.41	27.791		
18,400.00	6,969.19	6,944.19	6,944.19	333.58	240.70	-90.46	-3,366.90	-1,031.88	9,860.67	9,509.32	351.35	28.065		
18,500.00	6,969.46	6,944.46	6,944.46	336.43	240.71	-90.46	-3,366.90	-1,031.88	9,955.58	9,604.29	351.29	28.340		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-88.41	231.65	-8,360.93	8,364.14						
100.00	100.00	104.00	96.00	3.28	3.78	-88.41	231.65	-8,360.93	8,364.14	8,357.07	7.07	1,183.409			
200.00	200.00	204.00	196.00	3.34	6.30	-88.41	231.65	-8,360.93	8,364.14	8,354.50	9.63	868.121			
300.00	299.98	304.02	295.98	3.44	9.46	171.58	231.65	-8,360.93	8,365.86	8,352.97	12.90	648.650			
400.00	399.84	404.16	395.84	3.60	12.79	171.57	231.65	-8,360.93	8,371.04	8,354.65	16.39	510.732			
500.00	499.45	504.55	495.45	3.80	16.20	171.56	231.65	-8,360.93	8,379.66	8,359.65	20.01	418.843			
600.00	598.70	605.30	594.70	4.05	19.66	171.53	231.65	-8,360.93	8,391.72	8,368.01	23.71	353.938			
700.00	697.47	706.53	693.47	4.33	23.15	171.50	231.65	-8,360.93	8,407.19	8,379.71	27.48	305.905			
803.50	799.05	804.95	795.05	4.67	26.56	171.46	231.65	-8,360.93	8,426.79	8,395.58	31.21	269.988			
900.00	893.41	899.41	889.41	5.02	29.49	171.48	231.65	-8,360.93	8,446.76	8,412.30	34.46	245.112			
1,000.00	991.20	997.20	987.20	5.41	32.88	171.51	231.65	-8,360.93	8,467.45	8,429.25	38.20	221.646			
1,100.00	1,088.99	1,084.99	1,084.99	5.81	36.28	171.53	231.65	-8,360.93	8,488.14	8,446.17	41.97	202.266			
1,200.00	1,186.78	1,182.78	1,182.78	6.23	39.68	171.55	231.65	-8,360.93	8,508.83	8,463.09	45.74	186.006			
1,300.00	1,284.57	1,280.57	1,280.57	6.67	43.08	171.57	231.65	-8,360.93	8,529.53	8,479.99	49.54	172.181			
1,400.00	1,382.36	1,378.36	1,378.36	7.12	46.49	171.59	231.65	-8,360.93	8,550.22	8,496.88	53.34	160.288			
1,500.00	1,480.15	1,476.15	1,476.15	7.57	49.89	171.61	231.65	-8,360.93	8,570.92	8,513.76	57.16	149.954			
1,600.00	1,577.94	1,573.94	1,573.94	8.03	53.30	171.63	231.65	-8,360.93	8,591.61	8,530.64	60.98	140.895			
1,700.00	1,675.73	1,671.73	1,671.73	8.50	56.71	171.65	231.65	-8,360.93	8,612.31	8,547.50	64.81	132.891			
1,800.00	1,773.52	1,769.52	1,769.52	8.98	60.12	171.67	231.65	-8,360.93	8,633.01	8,564.37	68.64	125.770			
1,900.00	1,871.31	1,867.31	1,867.31	9.45	63.53	171.69	231.65	-8,360.93	8,653.71	8,581.23	72.48	119.395			
2,000.00	1,969.10	1,965.10	1,965.10	9.94	66.94	171.71	231.65	-8,360.93	8,674.41	8,598.09	76.32	113.654			
2,100.00	2,066.88	2,062.88	2,062.88	10.42	70.35	171.73	231.65	-8,360.93	8,695.11	8,614.94	80.17	108.459			
2,200.00	2,164.67	2,160.67	2,160.67	10.91	73.76	171.75	231.65	-8,360.93	8,715.82	8,631.80	84.02	103.737			
2,300.00	2,262.46	2,258.46	2,258.46	11.40	77.17	171.77	231.65	-8,360.93	8,736.52	8,648.65	87.87	99.424			
2,400.00	2,360.25	2,356.25	2,356.25	11.89	80.58	171.79	231.65	-8,360.93	8,757.23	8,665.50	91.73	95.472			
2,500.00	2,458.04	2,454.04	2,454.04	12.39	83.99	171.81	231.65	-8,360.93	8,777.93	8,682.35	95.58	91.836			
2,600.00	2,555.83	2,551.83	2,551.83	12.88	87.40	171.83	231.65	-8,360.93	8,798.64	8,699.20	99.44	88.481			
2,700.00	2,653.62	2,649.62	2,649.62	13.38	90.81	171.85	231.65	-8,360.93	8,819.35	8,716.05	103.30	85.375			
2,800.00	2,751.41	2,747.41	2,747.41	13.88	94.22	171.87	231.65	-8,360.93	8,840.06	8,732.89	107.16	82.492			
2,900.00	2,849.20	2,845.20	2,845.20	14.38	97.64	171.88	231.65	-8,360.93	8,860.77	8,749.74	111.03	79.808			
3,000.00	2,946.99	2,942.99	2,942.99	14.88	101.05	171.90	231.65	-8,360.93	8,881.48	8,766.59	114.89	77.304			
3,100.00	3,044.78	3,040.78	3,040.78	15.38	104.46	171.92	231.65	-8,360.93	8,902.19	8,783.43	118.76	74.962			
3,200.00	3,142.57	3,138.57	3,138.57	15.89	107.87	171.94	231.65	-8,360.93	8,922.90	8,800.28	122.62	72.767			
3,300.00	3,240.36	3,236.36	3,236.36	16.39	111.28	171.96	231.65	-8,360.93	8,943.61	8,817.12	126.49	70.706			
3,400.00	3,338.15	3,334.15	3,334.15	16.89	114.70	171.98	231.65	-8,360.93	8,964.33	8,833.97	130.36	68.767			
3,500.00	3,435.93	3,431.93	3,431.93	17.40	118.11	172.00	231.65	-8,360.93	8,985.04	8,850.82	134.23	66.939			
3,600.00	3,533.72	3,529.72	3,529.72	17.90	121.52	172.02	231.65	-8,360.93	9,005.76	8,867.66	138.10	65.214			
3,700.00	3,631.51	3,627.51	3,627.51	18.41	124.93	172.03	231.65	-8,360.93	9,026.48	8,884.51	141.97	63.582			
3,800.00	3,729.30	3,725.30	3,725.30	18.92	128.35	172.05	231.65	-8,360.93	9,047.20	8,901.36	145.84	62.036			
3,900.00	3,827.09	3,823.09	3,823.09	19.42	131.76	172.07	231.65	-8,360.93	9,067.91	8,918.21	149.71	60.571			
4,000.00	3,924.88	3,920.88	3,920.88	19.93	135.17	172.09	231.65	-8,360.93	9,088.63	8,935.05	153.58	59.179			
4,100.00	4,022.67	4,018.67	4,018.67	20.44	138.59	172.11	231.65	-8,360.93	9,109.35	8,951.90	157.45	57.855			
4,200.00	4,120.46	4,116.46	4,116.46	20.95	142.00	172.13	231.65	-8,360.93	9,130.08	8,968.75	161.32	56.594			
4,300.00	4,218.25	4,214.25	4,214.25	21.46	145.41	172.14	231.65	-8,360.93	9,150.80	8,985.60	165.20	55.393			
4,400.00	4,316.04	4,312.04	4,312.04	21.97	148.82	172.16	231.65	-8,360.93	9,171.52	9,002.45	169.07	54.246			
4,500.00	4,413.83	4,409.83	4,409.83	22.48	152.24	172.18	231.65	-8,360.93	9,192.25	9,019.30	172.95	53.151			
4,600.00	4,511.62	4,507.62	4,507.62	22.99	155.65	172.20	231.65	-8,360.93	9,212.97	9,036.15	176.82	52.104			
4,700.00	4,609.41	4,605.41	4,605.41	23.50	159.06	172.21	231.65	-8,360.93	9,233.70	9,053.00	180.69	51.101			
4,800.00	4,707.20	4,703.20	4,703.20	24.01	162.48	172.23	231.65	-8,360.93	9,254.42	9,069.86	184.57	50.141			
4,900.00	4,804.98	4,800.98	4,800.98	24.52	165.89	172.25	231.65	-8,360.93	9,275.15	9,086.71	188.44	49.220			
5,000.00	4,902.77	4,898.77	4,898.77	25.03	169.39	172.27	231.65	-8,360.93	9,295.88	9,103.48	192.40	48.314			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - SOUTH WOODS #10-3(PA) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	5,000.56	5,003.44	4,996.56	25.54	172.96	172.28	231.65	-8,360.93	9,316.61	9,120.17	196.43	47.429		
5,200.00	5,098.35	5,105.65	5,094.35	26.05	176.52	172.30	231.65	-8,360.93	9,337.34	9,136.87	200.46	46.579		
5,300.00	5,196.14	5,207.86	5,192.14	26.56	180.09	172.32	231.65	-8,360.93	9,358.07	9,153.57	204.49	45.762		
5,400.00	5,293.93	5,289.93	5,289.93	27.07	182.96	172.34	231.65	-8,360.93	9,378.80	9,170.98	207.82	45.129		
5,500.00	5,391.72	5,387.72	5,387.72	27.58	186.37	172.35	231.65	-8,360.93	9,399.53	9,187.83	211.70	44.401		
5,600.00	5,489.51	5,485.51	5,485.51	28.09	189.78	172.37	231.65	-8,360.93	9,420.27	9,204.69	215.57	43.698		
5,700.00	5,587.30	5,583.30	5,583.30	28.61	193.20	172.39	231.65	-8,360.93	9,441.00	9,221.55	219.45	43.021		
5,800.00	5,685.09	5,681.09	5,681.09	29.12	196.61	172.40	231.65	-8,360.93	9,461.73	9,238.41	223.33	42.367		
5,900.00	5,782.88	5,778.88	5,778.88	29.63	200.02	172.42	231.65	-8,360.93	9,482.47	9,255.26	227.21	41.735		
6,000.00	5,880.67	5,876.67	5,876.67	30.14	203.44	172.44	231.65	-8,360.93	9,503.21	9,272.12	231.08	41.125		
6,100.00	5,978.46	5,974.46	5,974.46	30.65	206.85	172.45	231.65	-8,360.93	9,523.94	9,288.98	234.96	40.534		
6,200.00	6,076.25	6,072.25	6,072.25	31.17	210.26	172.47	231.65	-8,360.93	9,544.68	9,305.84	238.84	39.963		
6,298.86	6,172.92	6,168.92	6,168.92	31.67	213.64	172.49	231.65	-8,360.93	9,565.18	9,322.51	242.67	39.416		
6,300.00	6,174.03	6,170.03	6,170.03	31.68	213.68	172.40	231.65	-8,360.93	9,565.42	9,322.70	242.72	39.410		
6,350.00	6,223.30	6,219.30	6,219.30	31.92	215.40	166.22	231.65	-8,360.93	9,573.77	9,329.11	244.66	39.131		
6,400.00	6,273.06	6,269.06	6,269.06	32.13	217.13	144.81	231.65	-8,360.93	9,578.24	9,331.63	246.61	38.839		
6,450.00	6,323.01	6,319.01	6,319.01	32.32	218.88	54.41	231.65	-8,360.93	9,578.79	9,330.24	248.55	38.539		
6,500.00	6,372.84	6,368.84	6,368.84	32.48	220.62	22.18	231.65	-8,360.93	9,575.42	9,324.97	250.46	38.232		
6,550.00	6,422.24	6,418.24	6,418.24	32.65	222.34	14.47	231.65	-8,360.93	9,568.16	9,315.83	252.33	37.919		
6,600.00	6,470.92	6,466.92	6,466.92	32.83	224.04	11.24	231.65	-8,360.93	9,557.04	9,302.88	254.16	37.602		
6,650.00	6,518.56	6,514.56	6,514.56	33.01	225.70	9.53	231.65	-8,360.93	9,542.14	9,286.20	255.94	37.283		
6,700.00	6,564.89	6,560.89	6,560.89	33.21	227.32	8.52	231.65	-8,360.93	9,523.55	9,265.90	257.65	36.962		
6,750.00	6,609.60	6,605.60	6,605.60	33.43	228.88	7.90	231.65	-8,360.93	9,501.38	9,242.09	259.30	36.643		
6,800.00	6,652.43	6,648.43	6,648.43	33.66	230.37	7.53	231.65	-8,360.93	9,475.78	9,214.92	260.85	36.326		
6,850.00	6,693.10	6,689.10	6,689.10	33.91	231.79	7.34	231.65	-8,360.93	9,446.89	9,184.56	262.32	36.012		
6,900.00	6,731.38	6,727.38	6,727.38	34.20	233.13	7.31	231.65	-8,360.93	9,414.89	9,151.20	263.69	35.704		
6,950.00	6,767.02	6,763.02	6,763.02	34.51	234.38	7.42	231.65	-8,360.93	9,379.99	9,115.03	264.96	35.402		
7,000.00	6,799.81	6,804.19	6,795.81	34.85	235.81	7.67	231.65	-8,360.93	9,342.40	9,075.99	266.40	35.069		
7,050.00	6,829.54	6,825.54	6,825.54	35.24	236.56	8.09	231.65	-8,360.93	9,302.35	9,035.20	267.15	34.821		
7,100.00	6,856.03	6,852.03	6,852.03	35.66	237.48	8.72	231.65	-8,360.93	9,260.08	8,992.02	268.07	34.544		
7,150.00	6,879.11	6,875.11	6,875.11	36.12	238.29	9.67	231.65	-8,360.93	9,215.87	8,947.01	268.86	34.278		
7,200.00	6,898.65	6,905.35	6,894.65	36.62	239.34	11.10	231.65	-8,360.93	9,169.97	8,900.07	269.90	33.976		
7,250.00	6,914.51	6,910.51	6,910.51	37.15	239.52	13.37	231.65	-8,360.93	9,122.68	8,852.62	270.06	33.780		
7,300.00	6,926.62	6,922.62	6,922.62	37.73	239.95	17.36	231.65	-8,360.93	9,074.28	8,803.81	270.47	33.550		
7,350.00	6,934.88	6,930.88	6,930.88	38.34	240.23	25.74	231.65	-8,360.93	9,025.08	8,754.33	270.74	33.334		
7,400.00	6,939.26	6,935.26	6,935.26	38.97	240.39	50.34	231.65	-8,360.93	8,975.37	8,704.48	270.89	33.133		
7,429.12	6,940.00	6,936.00	6,936.00	39.34	240.41	87.32	231.65	-8,360.93	8,946.31	8,675.39	270.91	33.023		
7,500.00	6,940.19	6,936.19	6,936.19	40.31	240.42	87.34	231.65	-8,360.93	8,875.55	8,604.62	270.92	32.760		
7,600.00	6,940.46	6,936.46	6,936.46	41.80	240.43	87.37	231.65	-8,360.93	8,775.71	8,504.78	270.94	32.390		
7,700.00	6,940.72	6,936.72	6,936.72	43.43	240.44	87.40	231.65	-8,360.93	8,675.88	8,404.93	270.95	32.020		
7,800.00	6,940.99	6,936.99	6,936.99	45.19	240.45	87.43	231.65	-8,360.93	8,576.05	8,305.09	270.97	31.650		
7,900.00	6,941.25	6,937.25	6,937.25	47.05	240.46	87.46	231.65	-8,360.93	8,476.23	8,205.24	270.99	31.279		
8,000.00	6,941.52	6,937.52	6,937.52	49.02	240.47	87.49	231.65	-8,360.93	8,376.41	8,105.40	271.01	30.908		
8,100.00	6,941.79	6,937.79	6,937.79	51.06	240.48	87.52	231.65	-8,360.93	8,276.60	8,005.56	271.04	30.537		
8,200.00	6,942.05	6,938.05	6,938.05	53.18	240.48	87.55	231.65	-8,360.93	8,176.79	7,905.73	271.06	30.165		
8,300.00	6,942.32	6,938.32	6,938.32	55.37	240.49	87.58	231.65	-8,360.93	8,076.99	7,805.89	271.10	29.794		
8,400.00	6,942.58	6,938.58	6,938.58	57.62	240.50	87.61	231.65	-8,360.93	7,977.19	7,706.06	271.13	29.422		
8,500.00	6,942.85	6,938.85	6,938.85	59.92	240.51	87.64	231.65	-8,360.93	7,877.39	7,606.22	271.17	29.050		
8,600.00	6,943.12	6,939.12	6,939.12	62.26	240.52	87.67	231.65	-8,360.93	7,777.60	7,506.39	271.21	28.678		
8,700.00	6,943.38	6,939.38	6,939.38	64.65	240.53	87.70	231.65	-8,360.93	7,677.82	7,406.57	271.25	28.305		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,943.65	6,939.65	6,939.65	67.08	240.54	87.73	231.65	-8,360.93	7,578.04	7,306.74	271.30	27.932		
8,900.00	6,943.91	6,939.91	6,939.91	69.53	240.55	87.76	231.65	-8,360.93	7,478.27	7,206.92	271.35	27.559		
9,000.00	6,944.18	6,940.18	6,940.18	72.02	240.56	87.79	231.65	-8,360.93	7,378.50	7,107.09	271.40	27.186		
9,100.00	6,944.45	6,940.45	6,940.45	74.54	240.57	87.82	231.65	-8,360.93	7,278.74	7,007.28	271.46	26.813		
9,200.00	6,944.71	6,940.71	6,940.71	77.07	240.58	87.85	231.65	-8,360.93	7,178.99	6,907.46	271.53	26.439		
9,300.00	6,944.98	6,940.98	6,940.98	79.63	240.59	87.88	231.65	-8,360.93	7,079.24	6,807.65	271.59	26.065		
9,400.00	6,945.24	6,941.24	6,941.24	82.21	240.60	87.91	231.65	-8,360.93	6,979.50	6,707.83	271.67	25.691		
9,500.00	6,945.51	6,941.51	6,941.51	84.81	240.61	87.94	231.65	-8,360.93	6,879.77	6,608.02	271.74	25.317		
9,600.00	6,945.78	6,941.78	6,941.78	87.43	240.61	87.97	231.65	-8,360.93	6,780.05	6,508.22	271.83	24.943		
9,700.00	6,946.04	6,942.04	6,942.04	90.05	240.62	88.00	231.65	-8,360.93	6,680.33	6,408.42	271.91	24.568		
9,800.00	6,946.31	6,942.31	6,942.31	92.70	240.63	88.03	231.65	-8,360.93	6,580.62	6,308.61	272.01	24.193		
9,900.00	6,946.57	6,942.57	6,942.57	95.35	240.64	88.06	231.65	-8,360.93	6,480.93	6,208.82	272.11	23.817		
10,000.00	6,946.84	6,942.84	6,942.84	98.02	240.65	88.09	231.65	-8,360.93	6,381.24	6,109.02	272.21	23.442		
10,100.00	6,947.11	6,943.11	6,943.11	100.70	240.66	88.12	231.65	-8,360.93	6,281.56	6,009.23	272.33	23.066		
10,200.00	6,947.37	6,943.37	6,943.37	103.38	240.67	88.15	231.65	-8,360.93	6,181.89	5,909.44	272.45	22.690		
10,300.00	6,947.64	6,943.64	6,943.64	106.08	240.68	88.18	231.65	-8,360.93	6,082.23	5,809.66	272.57	22.314		
10,400.00	6,947.90	6,943.90	6,943.90	108.78	240.69	88.21	231.65	-8,360.93	5,982.59	5,709.88	272.71	21.938		
10,500.00	6,948.17	6,944.17	6,944.17	111.49	240.70	88.24	231.65	-8,360.93	5,882.95	5,610.10	272.85	21.561		
10,600.00	6,948.44	6,944.44	6,944.44	114.21	240.71	88.27	231.65	-8,360.93	5,783.33	5,510.32	273.01	21.184		
10,700.00	6,948.70	6,944.70	6,944.70	116.94	240.72	88.30	231.65	-8,360.93	5,683.73	5,410.55	273.17	20.806		
10,800.00	6,948.97	6,944.97	6,944.97	119.67	240.73	88.33	231.65	-8,360.93	5,584.13	5,310.79	273.35	20.429		
10,900.00	6,949.24	6,945.24	6,945.24	122.41	240.74	88.36	231.65	-8,360.93	5,484.55	5,211.02	273.53	20.051		
11,000.00	6,949.50	6,945.50	6,945.50	125.15	240.74	88.39	231.65	-8,360.93	5,384.99	5,111.26	273.73	19.673		
11,100.00	6,949.77	6,945.77	6,945.77	127.90	240.75	88.42	231.65	-8,360.93	5,285.44	5,011.51	273.94	19.294		
11,200.00	6,950.03	6,946.03	6,946.03	130.65	240.76	88.45	231.65	-8,360.93	5,185.91	4,911.75	274.16	18.916		
11,300.00	6,950.30	6,946.30	6,946.30	133.41	240.77	88.48	231.65	-8,360.93	5,086.40	4,812.00	274.40	18.537		
11,400.00	6,950.57	6,946.57	6,946.57	136.17	240.78	88.51	231.65	-8,360.93	4,986.91	4,712.26	274.65	18.157		
11,500.00	6,950.83	6,946.83	6,946.83	138.94	240.79	88.54	231.65	-8,360.93	4,887.44	4,612.52	274.92	17.778		
11,600.00	6,951.10	6,947.10	6,947.10	141.71	240.80	88.57	231.65	-8,360.93	4,787.99	4,512.78	275.21	17.398		
11,700.00	6,951.36	6,947.36	6,947.36	144.48	240.81	88.60	231.65	-8,360.93	4,688.56	4,413.05	275.52	17.017		
11,800.00	6,951.63	6,947.63	6,947.63	147.26	240.82	88.63	231.65	-8,360.93	4,589.16	4,313.32	275.84	16.637		
11,900.00	6,951.90	6,947.90	6,947.90	150.03	240.83	88.66	231.65	-8,360.93	4,489.79	4,213.60	276.20	16.256		
12,000.00	6,952.16	6,948.16	6,948.16	152.82	240.84	88.69	231.65	-8,360.93	4,390.45	4,113.87	276.57	15.875		
12,100.00	6,952.43	6,948.43	6,948.43	155.60	240.85	88.72	231.65	-8,360.93	4,291.13	4,014.16	276.97	15.493		
12,200.00	6,952.69	6,948.69	6,948.69	158.39	240.86	88.75	231.65	-8,360.93	4,191.85	3,914.44	277.40	15.111		
12,300.00	6,952.96	6,948.96	6,948.96	161.18	240.87	88.78	231.65	-8,360.93	4,092.60	3,814.73	277.87	14.729		
12,400.00	6,953.23	6,949.23	6,949.23	163.97	240.87	88.81	231.65	-8,360.93	3,993.39	3,715.03	278.36	14.346		
12,500.00	6,953.49	6,949.49	6,949.49	166.77	240.88	88.84	231.65	-8,360.93	3,894.22	3,615.32	278.90	13.963		
12,600.00	6,953.76	6,949.76	6,949.76	169.56	240.89	88.87	231.65	-8,360.93	3,795.09	3,515.62	279.47	13.580		
12,700.00	6,954.02	6,950.02	6,950.02	172.36	240.90	88.90	231.65	-8,360.93	3,696.02	3,415.93	280.09	13.196		
12,800.00	6,954.29	6,950.29	6,950.29	175.16	240.91	88.93	231.65	-8,360.93	3,596.99	3,316.23	280.76	12.812		
12,900.00	6,954.56	6,950.56	6,950.56	177.97	240.92	88.96	231.65	-8,360.93	3,498.02	3,216.54	281.48	12.427		
13,000.00	6,954.82	6,950.82	6,950.82	180.77	240.93	88.99	231.65	-8,360.93	3,399.10	3,116.85	282.25	12.043		
13,100.00	6,955.09	6,951.09	6,951.09	183.58	240.94	89.02	231.65	-8,360.93	3,300.26	3,017.16	283.09	11.658		
13,200.00	6,955.35	6,951.35	6,951.35	186.38	240.95	89.05	231.65	-8,360.93	3,201.48	2,917.48	284.00	11.273		
13,300.00	6,955.62	6,951.62	6,951.62	189.19	240.96	89.08	231.65	-8,360.93	3,102.78	2,817.79	284.99	10.887		
13,400.00	6,955.89	6,951.89	6,951.89	192.00	240.97	89.11	231.65	-8,360.93	3,004.17	2,718.11	286.06	10.502		
13,500.00	6,956.15	6,952.15	6,952.15	194.82	240.98	89.14	231.65	-8,360.93	2,905.66	2,618.42	287.23	10.116		
13,600.00	6,956.42	6,952.42	6,952.42	197.63	240.99	89.17	231.65	-8,360.93	2,807.25	2,518.74	288.50	9.730		
13,700.00	6,956.68	6,952.68	6,952.68	200.44	241.00	89.20	231.65	-8,360.93	2,708.95	2,419.06	289.89	9.345		
13,800.00	6,956.95	6,952.95	6,952.95	203.26	241.00	89.23	231.65	-8,360.93	2,610.79	2,319.37	291.41	8.959		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,957.22	6,953.22	6,953.22	206.08	241.01	89.26	231.65	-8,360.93	2,512.76	2,219.69	293.08	8.574		
14,000.00	6,957.48	6,953.48	6,953.48	208.89	241.02	89.29	231.65	-8,360.93	2,414.91	2,120.00	294.91	8.189		
14,100.00	6,957.75	6,953.75	6,953.75	211.71	241.03	89.32	231.65	-8,360.93	2,317.23	2,020.31	296.92	7.804		
14,200.00	6,958.02	6,954.02	6,954.02	214.53	241.04	89.35	231.65	-8,360.93	2,219.76	1,920.62	299.15	7.420		
14,300.00	6,958.28	6,954.28	6,954.28	217.36	241.05	89.38	231.65	-8,360.93	2,122.53	1,820.92	301.61	7.037		
14,400.00	6,958.55	6,954.55	6,954.55	220.18	241.06	89.41	231.65	-8,360.93	2,025.57	1,721.23	304.34	6.656		
14,500.00	6,958.81	6,954.81	6,954.81	223.00	241.07	89.44	231.65	-8,360.93	1,928.91	1,621.54	307.37	6.275		
14,600.00	6,959.08	6,955.08	6,955.08	225.83	241.08	89.47	231.65	-8,360.93	1,832.62	1,521.85	310.77	5.897		
14,700.00	6,959.35	6,955.35	6,955.35	228.65	241.09	89.50	231.65	-8,360.93	1,736.74	1,422.17	314.57	5.521		
14,800.00	6,959.61	6,955.61	6,955.61	231.48	241.10	89.53	231.65	-8,360.93	1,641.36	1,322.51	318.85	5.148		
14,900.00	6,959.88	6,955.88	6,955.88	234.30	241.11	89.56	231.65	-8,360.93	1,546.56	1,222.88	323.68	4.778		
15,000.00	6,960.14	6,956.14	6,956.14	237.13	241.12	89.59	231.65	-8,360.93	1,452.46	1,123.29	329.17	4.412		
15,100.00	6,960.41	6,956.41	6,956.41	239.96	241.13	89.62	231.65	-8,360.93	1,359.20	1,023.77	335.43	4.052		
15,200.00	6,960.68	6,956.68	6,956.68	242.79	241.13	89.65	231.65	-8,360.93	1,266.97	924.37	342.60	3.698		
15,300.00	6,960.94	6,956.94	6,956.94	245.62	241.14	89.68	231.65	-8,360.93	1,176.01	825.15	350.86	3.352		
15,400.00	6,961.21	6,957.21	6,957.21	248.45	241.15	89.71	231.65	-8,360.93	1,086.64	726.22	360.41	3.015		
15,500.00	6,961.47	6,957.47	6,957.47	251.28	241.16	89.74	231.65	-8,360.93	999.28	627.77	371.51	2.690		
15,600.00	6,961.74	6,957.74	6,957.74	254.11	241.17	89.77	231.65	-8,360.93	914.52	530.09	384.43	2.379		
15,700.00	6,962.01	6,958.01	6,958.01	256.94	241.18	89.80	231.65	-8,360.93	833.15	433.70	399.45	2.086		
15,800.00	6,962.27	6,958.27	6,958.27	259.77	241.19	89.83	231.65	-8,360.93	756.25	339.46	416.79	1.814		
15,900.00	6,962.54	6,958.54	6,958.54	262.61	241.20	89.86	231.65	-8,360.93	685.35	248.86	436.48	1.570		
16,000.00	6,962.80	6,958.80	6,958.80	265.44	241.21	89.89	231.65	-8,360.93	622.48	164.46	458.03	1.359 Level 3		
16,100.00	6,963.07	6,959.07	6,959.07	268.28	241.22	89.92	231.65	-8,360.93	570.32	90.32	480.00	1.188 Level 2		
16,200.00	6,963.34	6,959.34	6,959.34	271.11	241.23	89.95	231.65	-8,360.93	532.03	32.37	499.66	1.065 Level 2		
16,300.00	6,963.60	6,959.60	6,959.60	273.95	241.24	89.98	231.65	-8,360.93	510.72	-2.46	513.18	0.995 Level 1		
16,361.08	6,963.77	6,959.77	6,959.77	275.68	241.24	90.00	231.65	-8,360.93	507.05	-9.87	516.92	0.981 Level 1, CC, ES, SF		
16,400.00	6,963.87	6,959.87	6,959.87	276.78	241.25	90.01	231.65	-8,360.93	508.55	-8.73	517.27	0.983 Level 1		
16,500.00	6,964.13	6,960.13	6,960.13	279.62	241.26	90.04	231.65	-8,360.93	525.74	14.50	511.24	1.028 Level 2		
16,600.00	6,964.40	6,960.40	6,960.40	282.46	241.26	90.07	231.65	-8,360.93	560.52	63.08	497.44	1.127 Level 2		
16,700.00	6,964.67	6,960.67	6,960.67	285.29	241.27	90.10	231.65	-8,360.93	609.89	130.33	479.56	1.272 Level 3		
16,800.00	6,964.93	6,960.93	6,960.93	288.13	241.28	90.13	231.65	-8,360.93	670.64	209.94	460.70	1.456 Level 3		
16,900.00	6,965.20	6,961.20	6,961.20	290.97	241.29	90.16	231.65	-8,360.93	739.96	297.24	442.72	1.671		
17,000.00	6,965.46	6,961.46	6,961.46	293.81	241.30	90.19	231.65	-8,360.93	815.67	389.22	426.45	1.913		
17,100.00	6,965.73	6,961.73	6,961.73	296.65	241.31	90.22	231.65	-8,360.93	896.16	484.04	412.12	2.175		
17,200.00	6,966.00	6,962.00	6,962.00	299.49	241.32	90.25	231.65	-8,360.93	980.25	580.60	399.64	2.453		
17,300.00	6,966.26	6,962.26	6,962.26	302.32	241.33	90.28	231.65	-8,360.93	1,067.08	678.25	388.83	2.744		
17,400.00	6,966.53	6,962.53	6,962.53	305.16	241.34	90.31	231.65	-8,360.93	1,156.05	776.60	379.45	3.047		
17,500.00	6,966.80	6,962.80	6,962.80	308.00	241.35	90.34	231.65	-8,360.93	1,246.69	875.39	371.29	3.358		
17,600.00	6,967.06	6,963.06	6,963.06	310.85	241.36	90.37	231.65	-8,360.93	1,338.66	974.49	364.17	3.676		
17,700.00	6,967.33	6,963.33	6,963.33	313.69	241.37	90.40	231.65	-8,360.93	1,431.71	1,073.78	357.93	4.000		
17,800.00	6,967.59	6,963.59	6,963.59	316.53	241.38	90.43	231.65	-8,360.93	1,525.64	1,173.21	352.43	4.329		
17,900.00	6,967.86	6,963.86	6,963.86	319.37	241.39	90.46	231.65	-8,360.93	1,620.30	1,272.74	347.56	4.662		
18,000.00	6,968.13	6,964.13	6,964.13	322.21	241.39	90.49	231.65	-8,360.93	1,715.56	1,372.33	343.22	4.998		
18,100.00	6,968.39	6,964.39	6,964.39	325.05	241.40	90.52	231.65	-8,360.93	1,811.33	1,471.98	339.35	5.338		
18,200.00	6,968.66	6,964.66	6,964.66	327.90	241.41	90.55	231.65	-8,360.93	1,907.54	1,571.65	335.88	5.679		
18,300.00	6,968.92	6,964.92	6,964.92	330.74	241.42	90.58	231.65	-8,360.93	2,004.12	1,671.36	332.76	6.023		
18,400.00	6,969.19	6,965.19	6,965.19	333.58	241.43	90.61	231.65	-8,360.93	2,101.01	1,771.08	329.94	6.368		
18,500.00	6,969.46	6,965.46	6,965.46	336.43	241.44	90.64	231.65	-8,360.93	2,198.19	1,870.81	327.38	6.714		
18,600.00	6,969.72	6,965.72	6,965.72	339.27	241.45	90.67	231.65	-8,360.93	2,295.61	1,970.55	325.06	7.062		
18,704.56	6,970.00	6,966.00	6,966.00	342.24	241.46	90.70	231.65	-8,360.93	2,397.70	2,074.85	322.84	7.427		

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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - SOUTHARD #2(PR) - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
0.00	0.00	0.00	0.00	3.28	3.28	32.78	1,487.11	957.71	1,769.04							
100.00	100.00	66.98	66.98	3.28	3.28	32.78	1,487.28	957.62	1,768.92	1,762.35	6.57	269.326				
200.00	200.00	171.77	171.77	3.34	3.32	32.75	1,487.93	957.11	1,769.18	1,762.52	6.66	265.692				
300.00	299.98	274.11	274.11	3.44	3.42	-67.34	1,488.17	956.53	1,768.39	1,761.53	6.86	257.778				
400.00	399.84	370.37	370.36	3.60	3.56	-67.53	1,488.23	956.35	1,766.34	1,759.19	7.15	246.978				
500.00	499.45	468.57	468.56	3.80	3.74	-67.86	1,488.51	956.19	1,763.17	1,755.64	7.54	233.961				
600.00	598.70	571.10	571.10	4.05	3.97	-68.32	1,488.67	956.14	1,758.70	1,750.68	8.01	219.523				
700.00	697.47	669.74	669.74	4.33	4.22	-68.90	1,488.60	956.13	1,752.87	1,744.32	8.55	205.012				
803.50	799.05	766.85	766.84	4.67	4.49	-69.60	1,488.74	956.08	1,745.83	1,736.67	9.16	190.574				
900.00	893.41	860.83	860.82	5.02	4.77	-70.21	1,489.02	956.17	1,739.06	1,729.27	9.79	177.604				
1,000.00	991.20	963.19	963.18	5.41	5.10	-70.88	1,489.06	956.41	1,732.11	1,721.61	10.50	164.926				
1,100.00	1,088.99	1,065.87	1,065.87	5.81	5.44	-71.55	1,488.86	956.45	1,725.09	1,713.84	11.25	153.348				
1,200.00	1,186.78	1,163.30	1,163.29	6.23	5.78	-72.19	1,488.51	956.45	1,718.13	1,706.12	12.01	143.084				
1,300.00	1,284.57	1,262.34	1,262.33	6.67	6.13	-72.84	1,488.20	956.48	1,711.45	1,698.66	12.80	133.759				
1,400.00	1,382.36	1,359.70	1,359.69	7.12	6.49	-73.49	1,487.74	956.59	1,704.90	1,691.30	13.60	125.398				
1,500.00	1,480.15	1,454.50	1,454.49	7.57	6.84	-74.12	1,487.41	956.78	1,698.71	1,684.31	14.40	117.937				
1,600.00	1,577.94	1,552.15	1,552.14	8.03	7.21	-74.78	1,487.24	956.91	1,692.89	1,677.66	15.23	111.120				
1,700.00	1,675.73	1,650.21	1,650.19	8.50	7.58	-75.45	1,487.06	956.90	1,687.24	1,671.16	16.08	104.933				
1,800.00	1,773.52	1,749.56	1,749.55	8.98	7.97	-76.13	1,486.86	957.01	1,681.85	1,664.91	16.94	99.293				
1,900.00	1,871.31	1,852.10	1,852.08	9.45	8.37	-76.83	1,486.35	957.18	1,676.46	1,658.64	17.82	94.090				
2,000.00	1,969.10	1,952.27	1,952.25	9.94	8.77	-77.52	1,485.67	957.19	1,671.08	1,652.39	18.70	89.384				
2,100.00	2,066.88	2,050.81	2,050.79	10.42	9.16	-78.21	1,484.96	957.13	1,665.89	1,646.31	19.57	85.108				
2,200.00	2,164.67	2,150.03	2,150.01	10.91	9.56	-78.91	1,484.25	956.90	1,660.88	1,640.42	20.46	81.176				
2,300.00	2,262.46	2,250.32	2,250.29	11.40	9.96	-79.63	1,483.56	956.26	1,656.01	1,634.66	21.36	77.546				
2,400.00	2,360.25	2,348.65	2,348.61	11.89	10.36	-80.35	1,482.81	955.42	1,651.27	1,629.02	22.25	74.224				
2,500.00	2,458.04	2,443.03	2,442.99	12.39	10.75	-81.05	1,482.19	954.58	1,646.88	1,623.76	23.13	71.208				
2,600.00	2,555.83	2,535.48	2,535.44	12.88	11.12	-81.74	1,481.86	953.75	1,643.05	1,619.04	24.00	68.451				
2,700.00	2,653.62	2,628.30	2,628.26	13.38	11.50	-82.44	1,481.84	952.92	1,639.79	1,614.91	24.88	65.902				
2,800.00	2,751.41	2,723.61	2,723.56	13.88	11.89	-83.15	1,482.01	952.21	1,637.05	1,611.28	25.77	63.518				
2,900.00	2,849.20	2,822.66	2,822.61	14.38	12.30	-83.90	1,482.17	951.48	1,634.59	1,607.91	26.68	61.266				
3,000.00	2,946.99	2,923.04	2,922.99	14.88	12.72	-84.65	1,482.24	950.80	1,632.33	1,604.74	27.59	59.155				
3,100.00	3,044.78	3,027.74	3,027.68	15.38	13.15	-85.44	1,481.86	950.15	1,629.96	1,601.44	28.53	57.136				
3,200.00	3,142.57	3,124.35	3,124.29	15.89	13.55	-86.16	1,481.37	949.51	1,627.72	1,598.29	29.43	55.307				
3,300.00	3,240.36	3,215.43	3,215.36	16.39	13.93	-86.86	1,481.11	948.82	1,625.97	1,595.66	30.31	53.641				
3,400.00	3,338.15	3,297.68	3,297.62	16.89	14.27	-87.48	1,481.50	948.20	1,625.22	1,594.06	31.16	52.163				
3,420.13	3,357.83	3,315.81	3,315.74	16.99	14.35	-87.62	1,481.68	948.07	1,625.20	1,593.87	31.33	51.870 CC				
3,500.00	3,435.93	3,388.80	3,388.73	17.40	14.65	-88.18	1,482.53	947.70	1,625.41	1,593.38	32.04	50.738				
3,600.00	3,533.72	3,483.21	3,483.13	17.90	15.04	-88.89	1,483.84	947.40	1,626.19	1,593.26	32.93	49.385 ES				
3,700.00	3,631.51	3,574.22	3,574.12	18.41	15.42	-89.58	1,485.34	947.19	1,627.52	1,593.72	33.81	48.142				
3,800.00	3,729.30	3,668.81	3,668.70	18.92	15.82	-90.29	1,487.19	947.23	1,629.48	1,594.78	34.70	46.958				
3,900.00	3,827.09	3,766.51	3,766.38	19.42	16.23	-91.02	1,489.20	947.13	1,631.79	1,596.18	35.61	45.825				
4,000.00	3,924.88	3,873.59	3,873.44	19.93	16.67	-91.82	1,491.18	946.94	1,634.16	1,597.60	36.56	44.698				
4,100.00	4,022.67	3,978.33	3,978.17	20.44	17.11	-92.62	1,492.51	946.28	1,636.19	1,598.69	37.50	43.631				
4,200.00	4,120.46	4,080.11	4,079.94	20.95	17.54	-93.39	1,493.51	945.46	1,638.22	1,599.79	38.43	42.631				
4,300.00	4,218.25	4,178.85	4,178.67	21.46	17.96	-94.14	1,494.30	944.75	1,640.36	1,601.01	39.34	41.695				
4,400.00	4,316.04	4,279.18	4,279.00	21.97	18.38	-94.89	1,495.00	944.18	1,642.70	1,602.43	40.26	40.800				
4,500.00	4,413.83	4,378.07	4,377.88	22.48	18.80	-95.63	1,495.55	943.53	1,645.17	1,604.00	41.18	39.955				
4,600.00	4,511.62	4,476.95	4,476.77	22.99	19.21	-96.37	1,496.04	943.01	1,647.87	1,605.78	42.09	39.152				
4,700.00	4,609.41	4,572.24	4,572.05	23.50	19.61	-97.07	1,496.50	942.66	1,650.85	1,607.86	42.99	38.404				
4,800.00	4,707.20	4,672.69	4,672.50	24.01	20.04	-97.81	1,497.06	942.24	1,654.17	1,610.26	43.91	37.675				
4,900.00	4,804.98	4,778.34	4,778.14	24.52	20.48	-98.58	1,497.27	941.84	1,657.40	1,612.55	44.85	36.955				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - SOUTHARD #2(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	
5,000.00	4,902.77	4,881.37	4,881.18	25.03	20.92	-99.33	1,497.02	941.31	1,660.47	1,614.70	45.78	36.272		
5,100.00	5,000.56	4,984.70	4,984.50	25.54	21.36	-100.08	1,496.46	940.85	1,663.52	1,616.81	46.71	35.615		
5,200.00	5,098.35	5,090.36	5,090.16	26.05	21.80	-100.84	1,495.46	940.41	1,666.44	1,618.79	47.65	34.974		
5,300.00	5,196.14	5,181.72	5,181.51	26.56	22.19	-101.49	1,494.51	940.24	1,669.52	1,621.00	48.53	34.405		
5,400.00	5,293.93	5,290.32	5,290.11	27.07	22.65	-102.25	1,493.40	940.43	1,672.88	1,623.40	49.48	33.812		
5,500.00	5,391.72	5,382.85	5,382.62	27.58	23.04	-102.90	1,492.16	940.39	1,676.17	1,625.81	50.36	33.286		
5,600.00	5,489.51	5,482.31	5,482.08	28.09	23.46	-103.60	1,491.02	940.23	1,679.91	1,628.64	51.27	32.768		
5,700.00	5,587.30	5,577.85	5,577.61	28.61	23.86	-104.28	1,489.85	939.78	1,683.84	1,631.69	52.16	32.283		
5,800.00	5,685.09	5,676.57	5,676.33	29.12	24.28	-104.98	1,488.74	939.35	1,688.13	1,635.07	53.06	31.814		
5,900.00	5,782.88	5,772.68	5,772.43	29.63	24.69	-105.65	1,487.63	938.97	1,692.63	1,638.68	53.95	31.371		
6,000.00	5,880.67	5,869.49	5,869.23	30.14	25.10	-106.32	1,486.63	938.66	1,697.50	1,642.65	54.85	30.949		
6,100.00	5,978.46	5,964.76	5,964.49	30.65	25.50	-106.99	1,485.69	938.21	1,702.68	1,646.95	55.73	30.550		
6,200.00	6,076.25	6,056.04	6,055.77	31.17	25.89	-107.62	1,485.00	937.62	1,708.35	1,651.75	56.60	30.184		
6,298.86	6,172.92	6,150.18	6,149.91	31.67	26.29	-108.28	1,484.62	936.84	1,714.56	1,657.09	57.47	29.834		
6,300.00	6,174.03	6,151.33	6,151.06	31.68	26.30	-108.38	1,484.61	936.83	1,714.64	1,657.16	57.48	29.830		
6,350.00	6,223.30	6,202.22	6,201.95	31.92	26.51	-115.06	1,484.38	936.46	1,717.55	1,659.62	57.92	29.651		
6,400.00	6,273.06	6,250.41	6,250.14	32.13	26.72	-136.82	1,484.16	936.12	1,719.91	1,661.58	58.33	29.484		
6,450.00	6,323.01	6,298.94	6,298.67	32.32	26.92	132.59	1,483.98	935.75	1,721.73	1,663.00	58.72	29.320		
6,500.00	6,372.84	6,346.41	6,346.13	32.48	27.13	100.32	1,483.85	935.40	1,722.99	1,663.89	59.10	29.156		
6,550.00	6,422.24	6,393.46	6,393.18	32.65	27.33	92.73	1,483.80	935.07	1,723.73	1,664.25	59.48	28.982		
6,600.00	6,470.92	6,442.53	6,442.25	32.83	27.54	89.78	1,483.78	934.76	1,723.96	1,664.08	59.88	28.790		
6,650.00	6,518.56	6,491.01	6,490.73	33.01	27.74	88.47	1,483.75	934.48	1,723.69	1,663.40	60.29	28.588		
6,700.00	6,564.89	6,536.34	6,536.06	33.21	27.93	87.96	1,483.72	934.25	1,723.04	1,662.33	60.71	28.381		
6,750.00	6,609.60	6,579.66	6,579.38	33.43	28.12	87.91	1,483.74	934.08	1,722.18	1,661.04	61.14	28.169		
6,800.00	6,652.43	6,622.07	6,621.78	33.66	28.30	88.16	1,483.79	933.94	1,721.22	1,659.64	61.59	27.948		
6,850.00	6,693.10	6,663.25	6,662.96	33.91	28.47	88.62	1,483.84	933.78	1,720.30	1,658.25	62.06	27.722		
6,900.00	6,731.38	6,702.08	6,701.80	34.20	28.64	89.20	1,483.86	933.59	1,719.58	1,657.03	62.54	27.494		
6,950.00	6,767.02	6,736.79	6,736.51	34.51	28.79	89.79	1,483.90	933.40	1,719.23	1,656.19	63.05	27.269		
6,957.71	6,772.27	6,741.92	6,741.63	34.56	28.81	89.88	1,483.90	933.37	1,719.23	1,656.10	63.13	27.234		
7,000.00	6,799.81	6,768.82	6,768.54	34.85	28.92	90.37	1,483.95	933.23	1,719.46	1,655.88	63.57	27.047		
7,050.00	6,829.54	6,797.90	6,797.61	35.24	29.05	90.91	1,484.00	933.07	1,720.40	1,656.28	64.12	26.830		
7,100.00	6,856.03	6,825.05	6,824.76	35.66	29.16	91.38	1,484.06	932.94	1,722.22	1,657.52	64.70	26.618		
7,150.00	6,879.11	6,848.72	6,848.43	36.12	29.26	91.72	1,484.11	932.87	1,725.04	1,659.74	65.30	26.417		
7,200.00	6,898.65	6,868.66	6,868.37	36.62	29.35	91.90	1,484.14	932.83	1,728.98	1,663.07	65.92	26.230		
7,250.00	6,914.51	6,884.79	6,884.50	37.15	29.42	91.88	1,484.16	932.82	1,734.14	1,667.60	66.54	26.061		
7,300.00	6,926.62	6,897.02	6,896.73	37.73	29.47	91.65	1,484.17	932.82	1,740.58	1,673.41	67.17	25.913		
7,350.00	6,934.88	6,905.32	6,905.03	38.34	29.50	91.18	1,484.18	932.82	1,748.32	1,680.53	67.79	25.789		
7,400.00	6,939.26	6,909.66	6,909.38	38.97	29.52	90.48	1,484.19	932.83	1,757.36	1,688.96	68.40	25.691		
7,429.12	6,940.00	6,910.21	6,909.92	39.34	29.52	89.96	1,484.19	932.82	1,763.21	1,694.46	68.75	25.647		
7,500.00	6,940.19	6,910.38	6,910.09	40.31	29.52	89.97	1,484.19	932.82	1,779.29	1,709.70	69.59	25.567		
7,600.00	6,940.46	6,910.62	6,910.34	41.80	29.53	89.98	1,484.19	932.82	1,806.47	1,735.65	70.82	25.508 SF		
7,700.00	6,940.72	6,910.87	6,910.58	43.43	29.53	89.99	1,484.19	932.82	1,838.70	1,766.65	72.05	25.519		
7,800.00	6,940.99	6,911.12	6,910.83	45.19	29.53	89.99	1,484.19	932.82	1,875.71	1,802.44	73.27	25.600		
7,900.00	6,941.25	6,911.37	6,911.08	47.05	29.53	90.00	1,484.19	932.82	1,917.22	1,842.77	74.45	25.752		
8,000.00	6,941.52	6,911.62	6,911.34	49.02	29.53	90.01	1,484.19	932.82	1,962.96	1,887.38	75.58	25.972		
8,100.00	6,941.79	6,911.88	6,911.59	51.06	29.53	90.02	1,484.19	932.82	2,012.63	1,935.98	76.65	26.258		
8,200.00	6,942.05	6,912.13	6,911.85	53.18	29.53	90.03	1,484.19	932.82	2,065.95	1,988.30	77.65	26.605		
8,300.00	6,942.32	6,912.39	6,912.10	55.37	29.53	90.04	1,484.19	932.82	2,122.64	2,044.05	78.59	27.010		
8,400.00	6,942.58	6,912.65	6,912.36	57.62	29.53	90.04	1,484.19	932.82	2,182.45	2,102.99	79.45	27.468		
8,500.00	6,942.85	6,912.91	6,912.62	59.92	29.54	90.05	1,484.19	932.82	2,245.12	2,164.86	80.25	27.976		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - SOUTHARD #2(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,943.12	6,913.17	6,912.89	62.26	29.54	90.06	1,484.19	932.82	2,310.41	2,229.43	80.99	28.529		
8,700.00	6,943.38	6,913.44	6,913.15	64.65	29.54	90.07	1,484.19	932.82	2,378.13	2,296.47	81.66	29.123		
8,800.00	6,943.65	6,913.70	6,913.42	67.08	29.54	90.08	1,484.19	932.82	2,448.05	2,365.78	82.27	29.756		
8,900.00	6,943.91	6,913.97	6,913.68	69.53	29.54	90.09	1,484.19	932.82	2,520.00	2,437.17	82.83	30.423		
9,000.00	6,944.18	6,914.24	6,913.95	72.02	29.54	90.10	1,484.19	932.82	2,593.81	2,510.47	83.34	31.122		
9,100.00	6,944.45	6,914.51	6,914.22	74.54	29.54	90.11	1,484.19	932.82	2,669.33	2,585.52	83.81	31.850		
9,200.00	6,944.71	6,914.79	6,914.50	77.07	29.54	90.12	1,484.19	932.82	2,746.42	2,662.18	84.24	32.604		
9,300.00	6,944.98	6,915.06	6,914.77	79.63	29.54	90.12	1,484.19	932.82	2,824.94	2,740.31	84.62	33.382		
9,400.00	6,945.24	6,915.34	6,915.05	82.21	29.55	90.13	1,484.19	932.82	2,904.78	2,819.80	84.98	34.182		
9,500.00	6,945.51	6,915.62	6,915.33	84.81	29.55	90.14	1,484.19	932.82	2,985.83	2,900.53	85.30	35.002		
9,600.00	6,945.78	6,915.90	6,915.61	87.43	29.55	90.15	1,484.19	932.82	3,068.01	2,982.41	85.60	35.841		
9,700.00	6,946.04	6,916.18	6,915.89	90.05	29.55	90.16	1,484.19	932.82	3,151.21	3,065.34	85.87	36.697		
9,800.00	6,946.31	6,916.47	6,916.18	92.70	29.55	90.17	1,484.20	932.82	3,235.37	3,149.25	86.12	37.568		
9,900.00	6,946.57	6,916.75	6,916.47	95.35	29.55	90.18	1,484.20	932.82	3,320.40	3,234.05	86.35	38.453		
10,000.00	6,946.84	6,917.04	6,916.76	98.02	29.55	90.19	1,484.20	932.82	3,406.25	3,319.69	86.56	39.351		
10,100.00	6,947.11	6,917.33	6,917.05	100.70	29.55	90.20	1,484.20	932.82	3,492.85	3,406.09	86.76	40.261		
10,200.00	6,947.37	6,917.63	6,917.34	103.38	29.56	90.21	1,484.20	932.82	3,580.15	3,493.21	86.93	41.182		
10,300.00	6,947.64	6,917.92	6,917.64	106.08	29.56	90.22	1,484.20	932.82	3,668.09	3,580.99	87.10	42.113		
10,400.00	6,947.90	6,918.22	6,917.93	108.78	29.56	90.23	1,484.20	932.82	3,756.64	3,669.39	87.25	43.054		
10,500.00	6,948.17	6,918.52	6,918.23	111.49	29.56	90.24	1,484.20	932.82	3,845.76	3,758.36	87.40	44.003		
10,600.00	6,948.44	6,918.82	6,918.53	114.21	29.56	90.25	1,484.20	932.82	3,935.39	3,847.86	87.53	44.961		
10,700.00	6,948.70	6,919.13	6,918.84	116.94	29.56	90.26	1,484.20	932.82	4,025.51	3,937.86	87.65	45.925		
10,800.00	6,948.97	6,919.43	6,919.14	119.67	29.56	90.27	1,484.20	932.82	4,116.09	4,028.32	87.77	46.896		
10,900.00	6,949.24	6,919.74	6,919.45	122.41	29.56	90.28	1,484.20	932.82	4,207.10	4,119.22	87.88	47.874		
11,000.00	6,949.50	6,920.05	6,919.76	125.15	29.57	90.29	1,484.20	932.82	4,298.51	4,210.53	87.98	48.857		
11,100.00	6,949.77	6,920.36	6,920.08	127.90	29.57	90.30	1,484.20	932.82	4,390.29	4,302.21	88.08	49.846		
11,200.00	6,950.03	6,920.68	6,920.39	130.65	29.57	90.31	1,484.20	932.82	4,482.42	4,394.25	88.17	50.840		
11,300.00	6,950.30	6,921.00	6,920.71	133.41	29.57	90.32	1,484.20	932.82	4,574.88	4,486.63	88.25	51.838		
11,400.00	6,950.57	6,921.32	6,921.03	136.17	29.57	90.33	1,484.20	932.82	4,667.66	4,579.32	88.34	52.840		
11,500.00	6,950.83	6,921.64	6,921.35	138.94	29.57	90.34	1,484.20	932.82	4,760.72	4,672.31	88.41	53.846		
11,600.00	6,951.10	6,921.96	6,921.68	141.71	29.57	90.35	1,484.20	932.82	4,854.06	4,765.58	88.49	54.856		
11,700.00	6,951.36	6,922.29	6,922.00	144.48	29.57	90.36	1,484.20	932.82	4,947.67	4,859.11	88.56	55.869		
11,800.00	6,951.63	6,922.62	6,922.33	147.26	29.58	90.38	1,484.20	932.82	5,041.51	4,952.89	88.63	56.886		
11,900.00	6,951.90	6,922.95	6,922.67	150.03	29.58	90.39	1,484.20	932.82	5,135.59	5,046.90	88.69	57.905		
12,000.00	6,952.16	6,923.29	6,923.00	152.82	29.58	90.40	1,484.20	932.82	5,229.89	5,141.14	88.75	58.926		
12,100.00	6,952.43	6,923.63	6,923.34	155.60	29.58	90.41	1,484.20	932.82	5,324.40	5,235.59	88.81	59.950		
12,200.00	6,952.69	6,923.96	6,923.68	158.39	29.58	90.42	1,484.21	932.82	5,419.10	5,330.23	88.87	60.976		
12,300.00	6,952.96	6,924.31	6,924.02	161.18	29.58	90.43	1,484.21	932.82	5,514.00	5,425.07	88.93	62.004		
12,400.00	6,953.23	6,924.65	6,924.37	163.97	29.58	90.44	1,484.21	932.82	5,609.07	5,520.08	88.98	63.034		
12,500.00	6,953.49	6,925.00	6,924.71	166.77	29.59	90.45	1,484.21	932.82	5,704.30	5,615.27	89.04	64.066		
12,600.00	6,953.76	6,925.35	6,925.06	169.56	29.59	90.47	1,484.21	932.82	5,799.70	5,710.61	89.09	65.099		
12,700.00	6,954.02	6,925.70	6,925.42	172.36	29.59	90.48	1,484.21	932.82	5,895.25	5,806.11	89.14	66.133		
12,800.00	6,954.29	6,926.06	6,925.77	175.16	29.59	90.49	1,484.21	932.82	5,990.95	5,901.75	89.19	67.169		
12,900.00	6,954.56	6,926.42	6,926.13	177.97	29.59	90.50	1,484.21	932.82	6,086.78	5,997.54	89.24	68.205		
13,000.00	6,954.82	6,926.78	6,926.49	180.77	29.59	90.51	1,484.21	932.82	6,182.75	6,093.46	89.29	69.242		
13,100.00	6,955.09	6,927.15	6,926.86	183.58	29.60	90.53	1,484.21	932.82	6,278.84	6,189.50	89.34	70.281		
13,200.00	6,955.35	6,927.51	6,927.23	186.38	29.60	90.54	1,484.21	932.82	6,375.05	6,285.67	89.39	71.320		
13,300.00	6,955.62	6,927.88	6,927.60	189.19	29.60	90.55	1,484.21	932.82	6,471.38	6,381.94	89.43	72.359		
13,400.00	6,955.89	6,928.26	6,927.97	192.00	29.60	90.56	1,484.21	932.82	6,567.82	6,478.33	89.48	73.399		
13,500.00	6,956.15	6,928.63	6,928.35	194.82	29.60	90.58	1,484.21	932.82	6,664.36	6,574.83	89.53	74.439		
13,600.00	6,956.42	6,929.01	6,928.73	197.63	29.60	90.59	1,484.21	932.82	6,761.00	6,671.43	89.57	75.480		

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

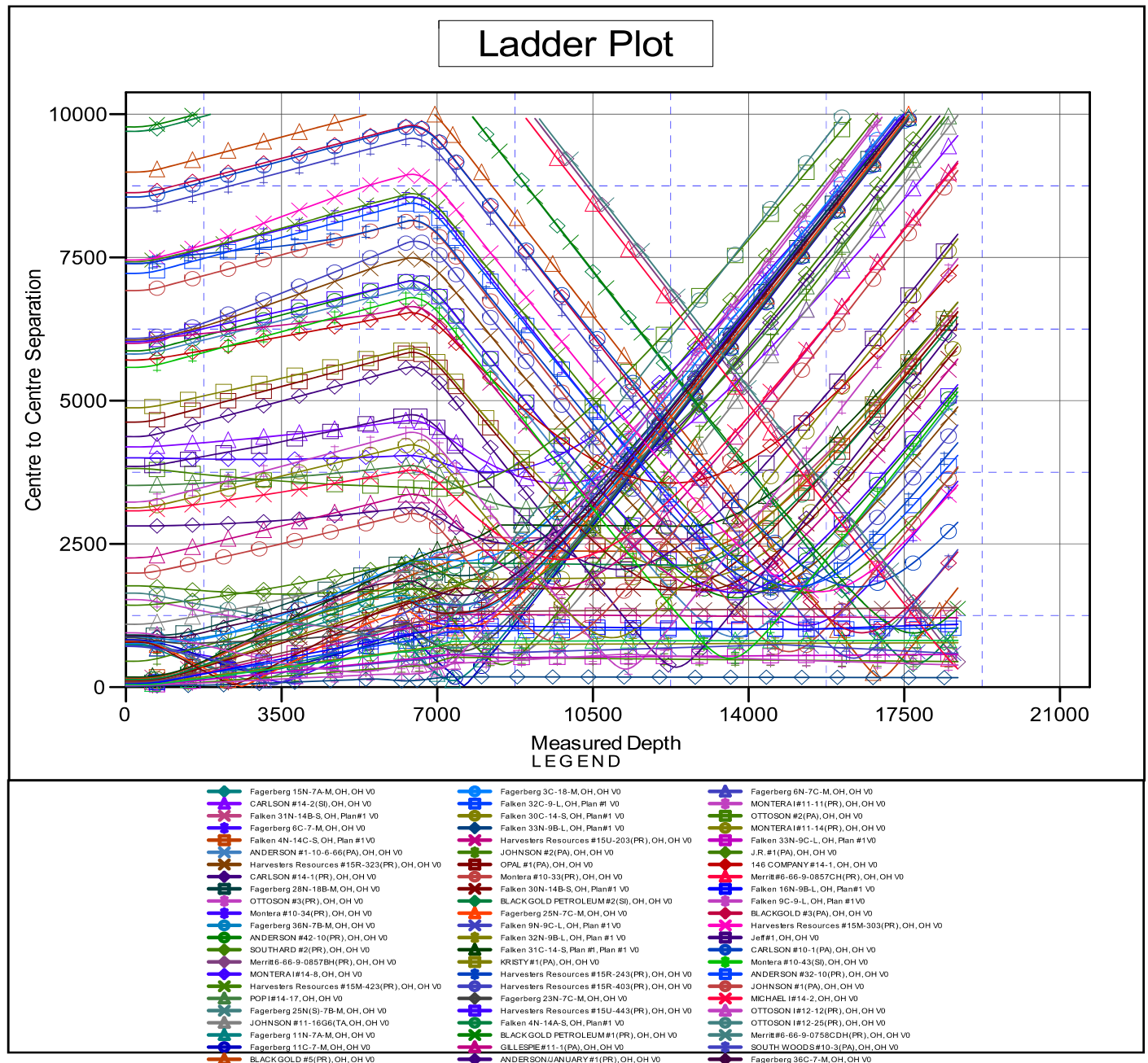
Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	6,956.68	6,929.40	6,929.11	200.44	29.61	90.60	1,484.21	932.82	6,857.74	6,768.12	89.62	76.521		
13,800.00	6,956.95	6,929.78	6,929.49	203.26	29.61	90.61	1,484.21	932.82	6,954.57	6,864.90	89.66	77.562		
13,900.00	6,957.22	6,930.17	6,929.88	206.08	29.61	90.63	1,484.21	932.82	7,051.49	6,961.78	89.71	78.603		
14,000.00	6,957.48	6,930.56	6,930.28	208.89	29.61	90.64	1,484.21	932.82	7,148.49	7,058.74	89.76	79.644		
14,100.00	6,957.75	6,930.96	6,930.67	211.71	29.61	90.65	1,484.22	932.82	7,245.58	7,155.78	89.80	80.685		
14,200.00	6,958.02	6,931.36	6,931.07	214.53	29.61	90.67	1,484.22	932.82	7,342.74	7,252.90	89.85	81.725		
14,300.00	6,958.28	6,931.76	6,931.47	217.36	29.62	90.68	1,484.22	932.82	7,439.98	7,350.09	89.89	82.766		
14,400.00	6,958.55	6,932.16	6,931.88	220.18	29.62	90.69	1,484.22	932.82	7,537.29	7,447.35	89.94	83.806		
14,500.00	6,958.81	6,932.57	6,932.29	223.00	29.62	90.71	1,484.22	932.82	7,634.67	7,544.69	89.98	84.845		
14,600.00	6,959.08	6,932.99	6,932.70	225.83	29.62	90.72	1,484.22	932.82	7,732.12	7,642.09	90.03	85.884		
14,700.00	6,959.35	6,933.40	6,933.11	228.65	29.62	90.73	1,484.22	932.82	7,829.63	7,739.56	90.08	86.923		
14,800.00	6,959.61	6,933.82	6,933.53	231.48	29.62	90.75	1,484.22	932.82	7,927.21	7,837.08	90.12	87.961		
14,900.00	6,959.88	6,934.24	6,933.96	234.30	29.63	90.76	1,484.22	932.82	8,024.84	7,934.67	90.17	88.999		
15,000.00	6,960.14	6,934.67	6,934.38	237.13	29.63	90.78	1,484.22	932.82	8,122.53	8,032.32	90.21	90.036		
15,100.00	6,960.41	6,935.10	6,934.81	239.96	29.63	90.79	1,484.22	932.82	8,220.28	8,130.02	90.26	91.072		
15,200.00	6,960.68	6,935.53	6,935.25	242.79	29.63	90.80	1,484.22	932.82	8,318.08	8,227.77	90.31	92.107		
15,300.00	6,960.94	6,935.97	6,935.68	245.62	29.63	90.82	1,484.22	932.82	8,415.93	8,325.57	90.36	93.142		
15,400.00	6,961.21	6,936.41	6,936.13	248.45	29.63	90.83	1,484.22	932.81	8,513.83	8,423.43	90.40	94.175		
15,500.00	6,961.47	6,936.86	6,936.57	251.28	29.64	90.85	1,484.22	932.81	8,611.78	8,521.33	90.45	95.208		
15,600.00	6,961.74	6,937.31	6,937.02	254.11	29.64	90.86	1,484.23	932.81	8,709.78	8,619.28	90.50	96.240		
15,700.00	6,962.01	6,937.76	6,937.47	256.94	29.64	90.88	1,484.23	932.81	8,807.82	8,717.27	90.55	97.270		
15,800.00	6,962.27	6,938.22	6,937.93	259.77	29.64	90.89	1,484.23	932.81	8,905.90	8,815.30	90.60	98.300		
15,900.00	6,962.54	6,938.68	6,938.39	262.61	29.64	90.91	1,484.23	932.81	9,004.03	8,913.38	90.65	99.329		
16,000.00	6,962.80	6,939.15	6,938.86	265.44	29.65	90.92	1,484.23	932.81	9,102.20	9,011.50	90.70	100.356		
16,100.00	6,963.07	6,939.62	6,939.33	268.28	29.65	90.94	1,484.23	932.81	9,200.41	9,109.66	90.75	101.383		
16,200.00	6,963.34	6,940.09	6,939.80	271.11	29.65	90.96	1,484.23	932.81	9,298.65	9,207.85	90.80	102.408		
16,300.00	6,963.60	6,940.57	6,940.28	273.95	29.65	90.97	1,484.23	932.81	9,396.93	9,306.08	90.85	103.432		
16,400.00	6,963.87	6,941.05	6,940.76	276.78	29.65	90.99	1,484.23	932.81	9,495.25	9,404.35	90.90	104.455		
16,500.00	6,964.13	6,941.54	6,941.25	279.62	29.66	91.00	1,484.23	932.81	9,593.61	9,502.65	90.96	105.476		
16,600.00	6,964.40	6,942.03	6,941.74	282.46	29.66	91.02	1,484.23	932.81	9,691.99	9,600.98	91.01	106.496		
16,700.00	6,964.67	6,942.53	6,942.24	285.29	29.66	91.04	1,484.23	932.81	9,790.41	9,699.35	91.06	107.515		
16,800.00	6,964.93	6,943.03	6,942.74	288.13	29.66	91.05	1,484.23	932.81	9,888.86	9,797.75	91.11	108.532		
16,900.00	6,965.20	6,943.53	6,943.24	290.97	29.67	91.07	1,484.24	932.81	9,987.35	9,896.18	91.17	109.548		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 (Origin)
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Falken 33N-9A-L
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°



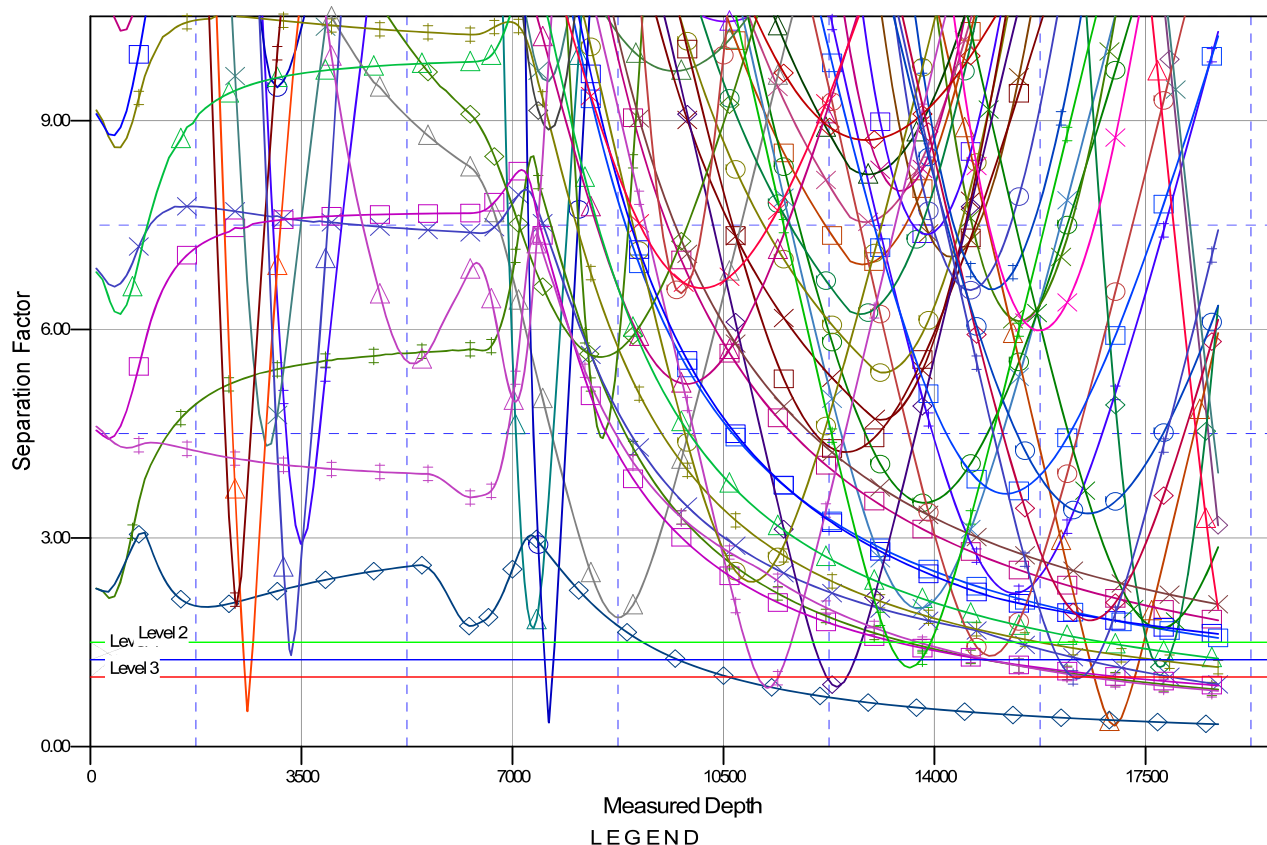
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 33N-9A-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 33N-9A-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 (Origin)
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Falken 33N-9A-L
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°

Separation Factor Plot



Fagerberg 15N-7A-M, OH, OH V0	Fagerberg 3C-18-M, OH, OH V0	Fagerberg 6N-7C-M, OH, OH V0
CARLSON #14-2(S), OH, OH V0	Falken 32C-9-L, OH, Plan #1 V0	MONTERAI #11-11(PR), OH, OH V0
Falken 31N-14B-S, OH, Plan#1 V0	Falken 30C-14-S, OH, Plan#1 V0	OTTOSON #2(PA), OH, OH V0
Fagerberg 6C-7-M, OH, OH V0	Falken 33N-9B-L, OH, Plan#1 V0	MONTERAI #11-14(PR), OH, OH V0
Falken 4N-14C-S, OH, Plan #1 V0	Harvesters Resources #15U-203(PR), OH, OH V0	Falken 33N-9C-L, OH, Plan #1 V0
ANDERSON #1-10-6-66(PA), OH, OH V0	JOHNSON #2(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
Harvesters Resources #15R-323(PR), OH, OH V0	OPAL #1(PA), OH, OH V0	148 COMPANY #14-1, OH, OH V0
CARLSON #14-1(PR), OH, OH V0	Montera #10-33(PR), OH, OH V0	Merritt#6-66-9-0857CH(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Falken 16N-9B-L, OH, Plan #1 V0
OTTOSON #3(PR), OH, OH 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 9N-9C-L, OH, Plan #1 V0	Harvesters Resources #15M-303(PR), OH, OH V0
ANDERSON #42-10(PR), OH, OH V0	Falken 32N-9B-L, OH, Plan #1 V0	Jeff #1, OH, OH V0
SOUTHARD #2(PR), OH, OH V0	Falken 31C-14-S, Plan #1, Plan #1 V0	CARLSON #10-1(PA), OH, OH V0
Merritt#6-66-9-0857BH(PR), OH, OH V0	KRISTY #1(PA), OH, OH V0	Montera #10-43(S), OH, OH V0
MONTERAI #14-8, OH, OH V0	Harvesters Resources #15R-243(PR), OH, OH V0	ANDERSON #32-10(PR), OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0	Harvesters Resources #15R-403(PR), OH, OH V0	JOHNSON #1(PA), OH, OH V0
POP #14-17, OH, OH V0	Fagerberg 23N-7C-M, OH, OH V0	MICHAEL #14-2, OH, OH V0
Fagerberg 29N(S), OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	OTTOSON #12-12(PR), OH, OH V0
JOHNSON #11-16G6(TA), OH, OH V0	Falken 4N-14A-S, OH, Plan#1 V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 11N-7A-M, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	Merritt#6-66-9-0758CBH(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	GILLESPIE #11-1(PA), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
BLACK GOLD #5(PR), OH, OH V0	ANDERSON/JANUARY #1(PR), OH, OH V0	Fagerberg 36C-7-M, OH, OH V0

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