



Synergy Resources Corporation

**SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 16N-9B-L**

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	18,924.49	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	12,455.84	7,045.47	2,538.77	2,135.02	6.288	CC
146 COMPANY #14-1 - OH - OH	12,500.00	7,045.63	2,539.15	2,134.24	6.271	ES
146 COMPANY #14-1 - OH - OH	12,800.00	7,046.66	2,561.99	2,150.45	6.225	SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,927.28	7,088.53	132.58	-313.90	0.297	Level 1, CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	15,268.46	7,131.14	2,755.51	2,269.75	5.673	CC
ANDERSON #32-10(PR) - OH - OH	15,300.00	7,131.25	2,755.86	2,269.16	5.662	ES
ANDERSON #32-10(PR) - OH - OH	15,500.00	7,131.96	2,769.31	2,277.36	5.629	SF
ANDERSON #42-10(PR) - OH - OH	13,963.97	7,116.66	2,568.55	2,120.05	5.727	CC
ANDERSON #42-10(PR) - OH - OH	14,000.00	7,116.78	2,568.80	2,119.26	5.714	ES
ANDERSON #42-10(PR) - OH - OH	14,300.00	7,117.81	2,590.43	2,133.81	5.673	SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,605.55	7,104.99	1,370.61	960.61	3.343	CC, ES
ANDERSON/JANUARY #1(PR) - OH - OH	12,700.00	7,105.31	1,373.86	961.38	3.331	SF
BLACK GOLD #5(PR) - OH - OH	17,179.53	7,129.86	884.83	345.36	1.640	CC
BLACK GOLD #5(PR) - OH - OH	17,200.00	7,129.93	885.06	344.85	1.638	ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	17,926.54	7,113.49	120.56	-439.46	0.215	Level 1, CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	17,925.45	7,118.61	1,460.76	1,117.01	4.250	CC
BLACK GOLD PETROLEUM #2(SI) - OH - OH	18,000.00	7,119.17	1,462.66	1,116.67	4.227	ES, SF
BLACKGOLD #3(PA) - OH - OH	16,768.43	7,110.42	86.06	-441.11	0.163	Level 1, CC, ES, SF
CARLSON #10-1(PA) - OH - OH	16,572.75	7,121.73	2,781.31	2,259.27	5.328	CC
CARLSON #10-1(PA) - OH - OH	16,700.00	7,122.18	2,784.22	2,258.37	5.295	ES
CARLSON #10-1(PA) - OH - OH	16,900.00	7,122.88	2,800.49	2,269.85	5.278	SF
CARLSON #14-1(PR) - OH - OH	8,858.57	7,108.35	1,447.82	1,353.93	15.419	CC
CARLSON #14-1(PR) - OH - OH	8,900.00	7,109.70	1,448.42	1,353.70	15.292	ES
CARLSON #14-1(PR) - OH - OH	9,200.00	7,119.65	1,487.50	1,387.86	14.929	SF
CARLSON #14-2(SI) - OH - OH	9,962.39	7,032.90	2,514.70	2,179.40	7.500	CC
CARLSON #14-2(SI) - OH - OH	10,000.00	7,033.03	2,514.98	2,178.75	7.480	ES
CARLSON #14-2(SI) - OH - OH	10,300.00	7,034.07	2,537.26	2,194.25	7.397	SF
Fagerberg 11C-7-M - OH - OH	2,479.27	2,426.00	5.70	-17.54	0.245	Level 1, CC, ES, SF
Fagerberg 11N-7A-M - OH - OH	2,216.96	2,168.05	6.54	-15.09	0.302	Level 1, CC, ES, SF
Fagerberg 15N-7A-M - OH - OH	7,384.50	7,180.03	422.21	351.07	5.934	CC, ES, SF
Fagerberg 23N-7C-M - OH - OH	3,396.14	3,301.62	381.78	349.45	11.809	CC
Fagerberg 23N-7C-M - OH - OH	3,500.00	3,402.99	382.74	349.38	11.475	ES
Fagerberg 23N-7C-M - OH - OH	7,600.00	7,181.02	440.91	370.43	6.256	SF
Fagerberg 25N(S)-7B-M - OH - OH	2,283.22	2,236.27	108.78	86.71	4.929	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	2,300.00	2,250.79	109.08	86.85	4.906	SF
Fagerberg 25N-7B-M - OH - OH	1,897.87	1,872.94	215.85	196.70	11.274	CC
Fagerberg 25N-7B-M - OH - OH	1,900.00	1,874.81	215.85	196.68	11.261	ES

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

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

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
Fagerberg 25N-7B-M - OH - OH	2,000.00	1,962.69	221.92	201.81	11.033	SF
Fagerberg 25N-7C-M - OH - OH	2,064.56	2,033.16	173.30	153.17	8.610	CC, ES
Fagerberg 25N-7C-M - OH - OH	2,100.00	2,063.59	174.23	153.77	8.513	SF
Fagerberg 28N-18B-M - OH - OH	1,383.99	1,157.32	809.82	796.91	62.702	CC
Fagerberg 28N-18B-M - OH - OH	1,500.00	1,268.34	810.55	796.67	58.395	ES
Fagerberg 28N-18B-M - OH - OH	7,900.00	7,187.43	894.84	818.02	11.649	SF
Fagerberg 36C-7-M - OH - OH	7,617.50	7,245.26	540.47	468.56	7.516	CC, ES
Fagerberg 36C-7-M - OH - OH	7,700.00	7,189.21	544.49	471.60	7.470	SF
Fagerberg 36N-7B-M - OH - OH	7,478.29	7,327.57	212.31	142.07	3.022	CC
Fagerberg 36N-7B-M - OH - OH	7,500.00	7,309.84	212.75	141.98	3.006	ES, SF
Fagerberg 3C-18-M - OH - OH	2,056.72	1,882.28	645.64	627.19	35.006	CC, ES
Fagerberg 3C-18-M - OH - OH	8,100.00	6,947.82	1,265.24	1,185.04	15.776	SF
Fagerberg 6C-7-M - OH - OH	2,723.28	2,633.11	132.12	106.58	5.174	CC, ES, SF
Fagerberg 6N-7C-M - OH - OH	2,691.32	2,600.43	148.21	122.91	5.858	CC
Fagerberg 6N-7C-M - OH - OH	2,700.00	2,607.63	148.27	122.89	5.841	ES, SF
Falken 16C-9-L - OH - Plan #1	200.00	200.00	14.94	8.26	2.238	CC
Falken 16C-9-L - OH - Plan #1	18,924.52	19,045.96	362.84	-265.79	0.577	Level 1, ES, SF
Falken 30C-14-S - OH - Plan #1	200.00	200.00	60.11	53.43	9.006	CC, ES
Falken 30C-14-S - OH - Plan #1	13,300.00	13,555.88	906.50	553.56	2.568	SF
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	45.18	38.50	6.769	CC, ES
Falken 30N-14B-S - OH - Plan #1	13,200.00	13,337.21	676.38	316.23	1.878	SF
Falken 31C-14-S - Plan #1 - Plan #1	562.46	553.09	115.82	107.94	14.705	CC
Falken 31C-14-S - Plan #1 - Plan #1	600.00	589.33	115.90	107.83	14.371	ES
Falken 31C-14-S - Plan #1 - Plan #1	12,900.00	13,480.77	1,782.32	1,443.28	5.257	SF
Falken 31N-14B-S - OH - Plan #1	566.05	557.86	100.83	92.93	12.770	CC
Falken 31N-14B-S - OH - Plan #1	600.00	590.80	100.89	92.82	12.507	ES
Falken 31N-14B-S - OH - Plan #1	12,900.00	13,256.62	1,562.30	1,220.66	4.573	SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	134.79	128.12	20.197	CC, ES
Falken 32C-9-L - OH - Plan #1	18,924.52	19,028.75	2,082.23	1,400.02	3.052	SF
Falken 32N-9B-L - OH - Plan #1	200.00	200.00	119.86	113.19	17.959	CC, ES
Falken 32N-9B-L - OH - Plan #1	18,924.52	18,846.86	1,861.36	1,177.25	2.721	SF
Falken 33C-9-L - OH - Plan #1	200.00	200.00	44.81	38.14	6.714	CC, ES
Falken 33C-9-L - OH - Plan #1	18,924.52	19,014.77	764.84	92.20	1.137	Level 2, SF
Falken 33N-9A-L - OH - Plan #1	200.00	200.00	59.75	53.08	8.953	CC, ES
Falken 33N-9A-L - OH - Plan #1	18,924.52	18,702.72	1,099.31	420.19	1.619	SF
Falken 33N-9B-L - OH - Plan #1	200.00	200.00	74.68	68.01	11.190	CC, ES
Falken 33N-9B-L - OH - Plan #1	18,924.52	18,837.67	1,211.30	526.57	1.769	SF
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	29.88	23.20	4.477	CC
Falken 33N-9C-L - OH - Plan #1	18,924.52	18,920.23	550.21	-131.85	0.807	Level 1, ES, SF
Falken 34C-9-L - OH - Plan #1	502.19	501.65	11.88	4.29	1.566	CC
Falken 34C-9-L - OH - Plan #1	18,100.00	18,304.79	191.75	-207.55	0.480	Level 1, ES
Falken 34C-9-L - OH - Plan #1	18,700.00	18,905.09	181.15	-202.83	0.472	Level 1, SF
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	30.23	23.56	4.530	CC
Falken 34N-9C-L - OH - Plan #1	18,924.52	19,017.95	288.02	-385.70	0.428	Level 1, ES, SF
Falken 4N-14A-S - OH - Plan #1	575.37	569.67	70.49	62.54	8.873	CC
Falken 4N-14A-S - OH - Plan #1	600.00	593.82	70.52	62.45	8.739	ES
Falken 4N-14A-S - OH - Plan #1	12,900.00	13,002.01	1,116.69	775.92	3.277	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	89.98	83.31	13.483	CC, ES
Falken 4N-14C-S - OH - Plan #1	12,900.00	13,210.89	1,338.96	998.99	3.938	SF
Falken 9C-9-L - OH - Plan #1	200.00	200.00	89.99	83.32	13.484	CC, ES
Falken 9C-9-L - OH - Plan #1	18,924.52	19,025.91	1,355.69	675.01	1.992	SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	104.92	98.25	15.721	CC, ES
Falken 9N-9C-L - OH - Plan #1	18,924.52	18,906.26	1,646.86	962.99	2.408	SF

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Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
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Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Falken 9-11 PAD						
GILLESPIE #11-1(PA) - OH - OH	200.00	204.00	2,296.33	2,286.70	238.338	CC
GILLESPIE #11-1(PA) - OH - OH	300.00	304.02	2,298.08	2,285.18	178.201	ES
GILLESPIE #11-1(PA) - OH - OH	10,400.00	7,070.41	2,821.16	2,473.58	8.116	SF
Harvesters Resources #15M-303(PR) - OH - OH	15,837.87	6,771.16	759.62	503.13	2.962	CC, ES, SF
Harvesters Resources #15M-423(PR) - OH - OH	15,504.08	6,815.71	729.48	474.89	2.865	CC, ES, SF
Harvesters Resources #15R-243(PR) - OH - OH	14,998.70	6,764.00	776.57	540.06	3.284	CC
Harvesters Resources #15R-243(PR) - OH - OH	15,000.00	6,764.00	776.57	540.03	3.283	ES, SF
Harvesters Resources #15R-323(PR) - OH - OH	14,321.39	6,800.00	748.80	527.25	3.380	CC, ES, SF
Harvesters Resources #15R-403(PR) - OH - OH	14,652.22	6,859.15	720.09	483.48	3.043	CC, ES
Harvesters Resources #15R-403(PR) - OH - OH	14,700.00	6,859.18	721.67	484.53	3.043	SF
Harvesters Resources #15U-203(PR) - OH - OH	13,445.98	6,740.71	779.53	586.21	4.032	CC, ES
Harvesters Resources #15U-203(PR) - OH - OH	13,500.00	6,740.73	781.40	587.03	4.020	SF
Harvesters Resources #15U-443(PR) - OH - OH	13,907.01	6,800.00	715.89	506.38	3.417	CC, ES, SF
J.R. #1(PA) - OH - OH	200.00	106.00	1,489.34	1,482.19	208.141	CC
J.R. #1(PA) - OH - OH	300.00	205.98	1,490.75	1,480.95	152.154	ES
J.R. #1(PA) - OH - OH	9,100.00	6,975.94	2,769.04	2,457.92	8.900	SF
Jeff #1 - OH - OH	11,284.09	7,055.86	1,023.02	865.76	6.505	CC
Jeff #1 - OH - OH	11,300.00	7,055.95	1,023.14	865.51	6.491	ES
Jeff #1 - OH - OH	11,400.00	7,056.55	1,029.57	870.25	6.463	SF
JOHNSON #1(PA) - OH - OH	9,945.99	7,072.24	257.49	136.38	2.126	CC, ES, SF
JOHNSON #11-16G6(TA) - OH - OH	8,966.98	7,050.48	486.56	175.80	1.566	CC, ES
JOHNSON #11-16G6(TA) - OH - OH	9,000.00	7,050.60	487.68	175.94	1.564	SF
JOHNSON #2(PA) - OH - OH	100.00	79.64	479.32	472.75	72.959	CC, ES
JOHNSON #2(PA) - OH - OH	9,100.00	7,058.34	1,506.94	1,407.98	15.227	SF
KRISTY #1(PA) - OH - OH	12,526.74	7,062.38	1,060.30	868.63	5.532	CC, ES
KRISTY #1(PA) - OH - OH	12,600.00	7,062.46	1,062.83	869.69	5.503	SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	18,924.52	11,976.00	508.02	340.44	3.031	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	18,924.52	11,988.00	194.95	-25.22	0.885	Level 1, CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	18,924.52	11,790.00	440.35	277.42	2.703	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,048.55	7,052.20	1,182.13	843.89	3.495	CC
MICHAEL I #14-2 - OH - OH	10,100.00	7,052.38	1,183.25	843.88	3.487	ES, SF
Montera #10-33(PR) - OH - OH	15,147.80	7,107.73	1,619.79	1,138.21	3.363	CC
Montera #10-33(PR) - OH - OH	15,200.00	7,107.91	1,620.64	1,137.60	3.355	ES
Montera #10-33(PR) - OH - OH	15,227.29	7,108.00	1,621.74	1,138.05	3.353	SF
Montera #10-34(PR) - OH - OH	15,499.03	7,104.05	70.14	-420.99	0.143	Level 1, CC, ES, SF
Montera #10-43(SI) - OH - OH	13,810.99	7,103.87	1,509.53	1,065.78	3.402	CC, ES
Montera #10-43(SI) - OH - OH	13,900.00	7,103.56	1,512.15	1,066.08	3.390	SF
MONTERA I #11-11(PR) - OH - OH	11,465.49	7,105.93	1,346.91	968.48	3.559	CC
MONTERA I #11-11(PR) - OH - OH	11,500.00	7,105.81	1,347.35	967.93	3.551	ES
MONTERA I #11-11(PR) - OH - OH	11,600.00	7,105.47	1,353.61	971.80	3.545	SF
MONTERA I #11-14(PR) - OH - OH	11,151.60	7,074.99	171.43	-197.31	0.465	Level 1, CC, ES, SF
MONTERA I #14-8 - OH - OH	8,427.75	7,045.63	2,694.70	2,396.34	9.032	CC
MONTERA I #14-8 - OH - OH	8,500.00	7,045.88	2,695.66	2,395.90	8.993	ES
MONTERA I #14-8 - OH - OH	8,900.00	7,047.25	2,735.76	2,428.18	8.894	SF
OPAL #1(PA) - OH - OH	12,627.84	7,122.07	2,751.23	2,340.01	6.690	CC
OPAL #1(PA) - OH - OH	12,700.00	7,122.31	2,752.18	2,338.91	6.660	ES
OPAL #1(PA) - OH - OH	13,000.00	7,123.35	2,776.29	2,355.74	6.602	SF
OTTOSON #2(PA) - OH - OH	7,399.87	7,030.50	2,397.65	2,330.43	35.667	CC
OTTOSON #2(PA) - OH - OH	7,400.00	7,030.55	2,397.65	2,330.42	35.666	ES
OTTOSON #2(PA) - OH - OH	8,300.00	7,078.17	2,620.48	2,543.38	33.988	SF
OTTOSON #3(PR) - OH - OH	7,213.03	6,880.54	88.16	23.26	1.358	Level 3, CC, ES, SF
OTTOSON I #12-12(PR) - OH - OH	2,665.25	2,553.13	807.20	781.94	31.957	CC
OTTOSON I #12-12(PR) - OH - OH	2,800.00	2,686.57	807.77	781.23	30.435	ES

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Offset Well - Wellbore - Design						
Falken 9-11 PAD						
OTTOSON I #12-12(PR) - OH - OH	7,661.89	7,042.76	1,438.28	1,366.44	20.021	SF
OTTOSON I #12-25(PR) - OH - OH	6,548.56	6,298.79	982.27	919.03	15.532	CC
OTTOSON I #12-25(PR) - OH - OH	6,550.00	6,300.29	982.28	919.02	15.529	ES
OTTOSON I #12-25(PR) - OH - OH	6,650.00	6,401.46	988.01	923.85	15.400	SF
POP I #14-17 - OH - OH	9,247.66	7,045.45	2,067.26	1,749.83	6.512	CC
POP I #14-17 - OH - OH	9,300.00	7,045.63	2,067.92	1,749.31	6.490	ES
POP I #14-17 - OH - OH	9,500.00	7,046.32	2,082.61	1,759.77	6.451	SF
SOUTH WOODS #10-3(PA) - OH - OH	16,542.99	7,108.38	1,537.58	1,016.85	2.953	CC
SOUTH WOODS #10-3(PA) - OH - OH	16,600.00	7,108.18	1,538.64	1,016.10	2.945	ES, SF
SOUTHARD #2(PR) - OH - OH	100.00	66.69	1,819.73	1,813.17	277.064	CC, ES
SOUTHARD #2(PR) - OH - OH	8,900.00	7,037.18	3,215.70	3,124.68	35.329	SF

Offset Design

Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH

Survey Program: 100-2" Cone@2.448 Sigma

Offset Site Error: 0.00 ft

Offset Well Error: 3.28 ft

Reference Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	3.28	3.28	-131.57	-3,761.82	-4,241.92	5,669.79				
100.00	100.00	64.00	64.00	3.28	3.47	-131.57	-3,761.82	-4,241.92	5,669.68	5,662.93	6.75	839.984	
200.00	200.00	164.00	164.00	3.34	5.16	-131.57	-3,761.82	-4,241.92	5,669.68	5,661.18	8.49	667.473	
300.00	299.98	263.98	263.98	3.44	8.16	95.45	-3,761.82	-4,241.92	5,669.84	5,658.24	11.60	488.829	
400.00	399.84	363.84	363.84	3.59	11.44	95.49	-3,761.82	-4,241.92	5,670.34	5,655.31	15.03	377.316	
500.00	499.45	463.45	463.45	3.80	14.80	95.56	-3,761.82	-4,241.92	5,671.18	5,652.59	18.59	305.017	
600.00	598.70	562.70	562.70	4.04	18.20	95.66	-3,761.82	-4,241.92	5,672.38	5,650.15	22.23	255.139	
700.00	697.47	661.47	661.47	4.32	21.60	95.78	-3,761.82	-4,241.92	5,673.96	5,648.04	25.92	218.907	
800.00	795.62	759.62	759.62	4.65	24.99	95.93	-3,761.82	-4,241.92	5,675.94	5,646.31	29.64	191.506	
900.00	893.06	857.06	857.06	5.02	28.36	96.10	-3,761.82	-4,241.92	5,678.36	5,644.98	33.38	170.114	
993.00	982.91	946.91	946.91	5.39	31.48	96.28	-3,761.82	-4,241.92	5,681.04	5,644.17	36.87	154.071	
1,000.00	989.65	953.65	953.65	5.42	31.72	96.30	-3,761.82	-4,241.92	5,681.26	5,644.12	37.14	152.984	
1,100.00	1,085.84	1,049.84	1,049.84	5.86	35.06	96.56	-3,761.82	-4,241.92	5,684.44	5,643.52	40.91	138.933	
1,200.00	1,182.03	1,146.03	1,146.03	6.32	38.40	96.83	-3,761.82	-4,241.92	5,687.75	5,643.03	44.72	127.191	
1,300.00	1,278.22	1,242.22	1,242.22	6.79	41.75	97.09	-3,761.82	-4,241.92	5,691.19	5,642.65	48.54	117.245	
1,400.00	1,374.42	1,338.42	1,338.42	7.28	45.10	97.35	-3,761.82	-4,241.92	5,694.76	5,642.38	52.38	108.721	
1,500.00	1,470.61	1,434.61	1,434.61	7.79	48.45	97.61	-3,761.82	-4,241.92	5,698.45	5,642.22	56.23	101.340	
1,600.00	1,566.80	1,530.80	1,530.80	8.30	51.80	97.88	-3,761.82	-4,241.92	5,702.28	5,642.19	60.09	94.892	
1,700.00	1,663.00	1,627.00	1,627.00	8.82	55.15	98.14	-3,761.82	-4,241.92	5,706.23	5,642.27	63.96	89.213	
1,800.00	1,759.19	1,723.19	1,723.19	9.34	58.50	98.40	-3,761.82	-4,241.92	5,710.32	5,642.48	67.84	84.175	
1,900.00	1,855.38	1,819.38	1,819.38	9.87	61.86	98.66	-3,761.82	-4,241.92	5,714.53	5,642.80	71.72	79.676	
2,000.00	1,951.58	1,915.58	1,915.58	10.41	65.21	98.92	-3,761.82	-4,241.92	5,718.86	5,643.25	75.61	75.637	
2,100.00	2,047.77	2,011.77	2,011.77	10.95	68.56	99.18	-3,761.82	-4,241.92	5,723.33	5,643.83	79.50	71.991	
2,200.00	2,143.96	2,107.96	2,107.96	11.49	71.92	99.44	-3,761.82	-4,241.92	5,727.92	5,644.52	83.40	68.683	
2,300.00	2,240.16	2,204.16	2,204.16	12.04	75.27	99.70	-3,761.82	-4,241.92	5,732.64	5,645.34	87.29	65.670	
2,400.00	2,336.35	2,300.35	2,300.35	12.58	78.63	99.96	-3,761.82	-4,241.92	5,737.48	5,646.29	91.20	62.914	
2,500.00	2,432.54	2,403.46	2,396.54	13.13	82.22	100.22	-3,761.82	-4,241.92	5,742.45	5,647.12	95.34	60.232	
2,600.00	2,528.74	2,507.26	2,492.74	13.69	85.85	100.48	-3,761.82	-4,241.92	5,747.55	5,648.04	99.51	57.759	
2,700.00	2,624.93	2,588.93	2,588.93	14.24	88.69	100.73	-3,761.82	-4,241.92	5,752.77	5,649.86	102.91	55.901	
2,800.00	2,721.12	2,685.12	2,685.12	14.80	92.05	100.99	-3,761.82	-4,241.92	5,758.12	5,651.30	106.82	53.906	
2,900.00	2,817.32	2,781.32	2,781.32	15.35	95.41	101.25	-3,761.82	-4,241.92	5,763.59	5,652.86	110.73	52.052	
3,000.00	2,913.51	2,877.51	2,877.51	15.91	98.76	101.51	-3,761.82	-4,241.92	5,769.19	5,654.55	114.64	50.326	

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
3,100.00	3,009.70	2,973.70	2,973.70	16.47	102.12	101.76	-3,761.82	-4,241.92	5,774.91	5,656.36	118.55	48.714		
3,200.00	3,105.90	3,069.90	3,069.90	17.03	105.48	102.02	-3,761.82	-4,241.92	5,780.75	5,658.29	122.46	47.205		
3,300.00	3,202.09	3,166.09	3,166.09	17.59	108.83	102.27	-3,761.82	-4,241.92	5,786.72	5,660.34	126.37	45.791		
3,400.00	3,298.28	3,262.28	3,262.28	18.15	112.19	102.53	-3,761.82	-4,241.92	5,792.80	5,662.52	130.29	44.462		
3,500.00	3,394.48	3,358.48	3,358.48	18.72	115.55	102.78	-3,761.82	-4,241.92	5,799.02	5,664.82	134.20	43.212		
3,600.00	3,490.67	3,454.67	3,454.67	19.28	118.90	103.03	-3,761.82	-4,241.92	5,805.35	5,667.24	138.11	42.033		
3,700.00	3,586.86	3,550.86	3,550.86	19.84	122.26	103.29	-3,761.82	-4,241.92	5,811.80	5,669.78	142.03	40.920		
3,800.00	3,683.06	3,647.06	3,647.06	20.41	125.62	103.54	-3,761.82	-4,241.92	5,818.38	5,672.44	145.94	39.868		
3,900.00	3,779.25	3,743.25	3,743.25	20.97	128.97	103.79	-3,761.82	-4,241.92	5,825.08	5,675.22	149.86	38.871		
4,000.00	3,875.44	3,839.44	3,839.44	21.54	132.33	104.04	-3,761.82	-4,241.92	5,831.89	5,678.12	153.77	37.925		
4,100.00	3,971.64	3,935.64	3,935.64	22.11	135.69	104.29	-3,761.82	-4,241.92	5,838.83	5,681.14	157.69	37.028		
4,200.00	4,067.83	4,031.83	4,031.83	22.67	139.04	104.54	-3,761.82	-4,241.92	5,845.89	5,684.29	161.60	36.174		
4,300.00	4,164.02	4,128.02	4,128.02	23.24	142.40	104.79	-3,761.82	-4,241.92	5,853.06	5,687.55	165.52	35.362		
4,400.00	4,260.22	4,224.22	4,224.22	23.81	145.76	105.04	-3,761.82	-4,241.92	5,860.36	5,690.93	169.43	34.588		
4,500.00	4,356.41	4,320.41	4,320.41	24.37	149.12	105.29	-3,761.82	-4,241.92	5,867.77	5,694.42	173.35	33.850		
4,600.00	4,452.60	4,416.60	4,416.60	24.94	152.47	105.54	-3,761.82	-4,241.92	5,875.30	5,698.04	177.26	33.144		
4,700.00	4,548.79	4,512.79	4,512.79	25.51	155.83	105.79	-3,761.82	-4,241.92	5,882.95	5,701.77	181.18	32.471		
4,800.00	4,644.99	4,608.99	4,608.99	26.08	159.19	106.03	-3,761.82	-4,241.92	5,890.72	5,705.62	185.09	31.826		
4,900.00	4,741.18	4,705.18	4,705.18	26.65	162.55	106.28	-3,761.82	-4,241.92	5,898.60	5,709.59	189.01	31.208		
5,000.00	4,837.37	4,801.37	4,801.37	27.21	165.90	106.53	-3,761.82	-4,241.92	5,906.59	5,713.67	192.92	30.616		
5,100.00	4,933.57	4,902.43	4,902.43	27.78	169.43	106.77	-3,761.82	-4,241.92	5,914.71	5,717.70	197.01	30.023		
5,200.00	5,029.76	5,006.24	5,006.24	28.35	173.05	107.01	-3,761.82	-4,241.92	5,922.93	5,721.75	201.19	29.440		
5,300.00	5,125.95	5,089.95	5,089.95	28.92	175.98	107.26	-3,761.82	-4,241.92	5,931.28	5,726.61	204.66	28.981		
5,400.00	5,222.15	5,186.15	5,186.15	29.49	179.33	107.50	-3,761.82	-4,241.92	5,939.73	5,731.15	208.58	28.477		
5,500.00	5,318.34	5,282.34	5,282.34	30.06	182.69	107.74	-3,761.82	-4,241.92	5,948.30	5,735.81	212.49	27.993		
5,600.00	5,414.53	5,378.53	5,378.53	30.63	186.05	107.99	-3,761.82	-4,241.92	5,956.98	5,740.58	216.40	27.527		
5,700.00	5,510.73	5,474.73	5,474.73	31.20	189.41	108.23	-3,761.82	-4,241.92	5,965.78	5,745.46	220.32	27.078		
5,800.00	5,606.92	5,570.92	5,570.92	31.77	192.76	108.47	-3,761.82	-4,241.92	5,974.69	5,750.46	224.23	26.646		
5,900.00	5,703.11	5,667.11	5,667.11	32.34	196.12	108.71	-3,761.82	-4,241.92	5,983.71	5,755.56	228.14	26.228		
6,000.00	5,799.31	5,763.31	5,763.31	32.91	199.48	108.95	-3,761.82	-4,241.92	5,992.84	5,760.78	232.05	25.825		
6,100.00	5,895.50	5,859.50	5,859.50	33.48	202.84	109.18	-3,761.82	-4,241.92	6,002.08	5,766.11	235.96	25.436		
6,200.00	5,991.69	5,955.69	5,955.69	34.05	206.19	109.42	-3,761.82	-4,241.92	6,011.43	5,771.55	239.87	25.061		
6,300.00	6,087.89	6,051.89	6,051.89	34.62	209.55	109.66	-3,761.82	-4,241.92	6,020.89	5,777.10	243.78	24.698		
6,400.00	6,184.08	6,148.08	6,148.08	35.19	212.91	109.90	-3,761.82	-4,241.92	6,030.45	5,782.76	247.69	24.346		
6,500.00	6,280.27	6,244.27	6,244.27	35.77	216.27	110.13	-3,761.82	-4,241.92	6,040.13	5,788.53	251.60	24.006		
6,535.30	6,314.23	6,278.23	6,278.23	35.97	217.45	110.21	-3,761.82	-4,241.92	6,043.57	5,790.59	252.98	23.889		
6,550.00	6,328.40	6,307.60	6,292.40	36.05	218.48	106.87	-3,761.82	-4,241.92	6,044.86	5,790.77	254.09	23.790		
6,600.00	6,377.01	6,341.01	6,341.01	36.31	219.64	91.83	-3,761.82	-4,241.92	6,046.97	5,791.45	255.51	23.666		
6,650.00	6,426.00	6,410.00	6,390.00	36.54	222.05	70.87	-3,761.82	-4,241.92	6,045.55	5,787.41	258.15	23.419		
6,700.00	6,475.08	6,439.08	6,439.08	36.73	223.07	47.87	-3,761.82	-4,241.92	6,040.63	5,781.27	259.36	23.291		
6,750.00	6,523.94	6,487.94	6,487.94	36.90	224.77	28.96	-3,761.82	-4,241.92	6,032.21	5,770.98	261.23	23.092		
6,800.00	6,572.28	6,536.28	6,536.28	37.05	226.46	15.73	-3,761.82	-4,241.92	6,020.34	5,757.28	263.06	22.886		
6,850.00	6,619.81	6,583.81	6,583.81	37.19	228.12	6.61	-3,761.82	-4,241.92	6,005.10	5,740.26	264.85	22.674		
6,900.00	6,666.23	6,630.23	6,630.23	37.32	229.74	0.01	-3,761.82	-4,241.92	5,986.57	5,719.99	266.58	22.457		
6,950.00	6,711.25	6,675.25	6,675.25	37.46	231.31	-5.12	-3,761.82	-4,241.92	5,964.87	5,696.61	268.26	22.236		
7,000.00	6,754.60	6,718.60	6,718.60	37.61	232.82	-9.41	-3,761.82	-4,241.92	5,940.13	5,670.26	269.87	22.011		
7,050.00	6,796.01	6,760.01	6,760.01	37.77	234.27	-13.26	-3,761.82	-4,241.92	5,912.51	5,641.09	271.42	21.784		
7,100.00	6,835.22	6,800.78	6,799.22	37.94	235.69	-16.94	-3,761.82	-4,241.92	5,882.18	5,609.24	272.94	21.551		
7,150.00	6,871.99	6,835.99	6,835.99	38.12	236.92	-20.67	-3,761.82	-4,241.92	5,849.34	5,575.07	274.27	21.327		
7,200.00	6,906.10	6,870.10	6,870.10	38.34	238.11	-24.61	-3,761.82	-4,241.92	5,814.19	5,538.63	275.56	21.099		
7,250.00	6,937.34	6,901.34	6,901.34	38.57	239.20	-28.92	-3,761.82	-4,241.92	5,776.96	5,500.20	276.76	20.873		
7,300.00	6,965.51	6,929.51	6,929.51	38.84	240.19	-33.78	-3,761.82	-4,241.92	5,737.89	5,460.03	277.86	20.650		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
7,350.00	6,990.44	6,954.44	6,954.44	39.14	241.06	-39.32	-3,761.82	-4,241.92	5,697.23	5,418.38	278.85	20.431		
7,400.00	7,011.97	6,975.97	6,975.97	39.47	241.81	-45.68	-3,761.82	-4,241.92	5,655.25	5,375.52	279.74	20.216		
7,450.00	7,029.98	7,006.02	6,993.98	39.85	242.86	-52.94	-3,761.82	-4,241.92	5,612.22	5,331.29	280.93	19.977		
7,500.00	7,044.34	7,008.34	7,008.34	40.26	242.94	-61.05	-3,761.82	-4,241.92	5,568.41	5,287.25	281.16	19.805		
7,550.00	7,054.99	7,018.99	7,018.99	40.72	243.31	-69.81	-3,761.82	-4,241.92	5,524.11	5,242.41	281.70	19.610		
7,600.00	7,061.83	7,025.83	7,025.83	41.21	243.55	-78.82	-3,761.82	-4,241.92	5,479.61	5,197.49	282.13	19.423		
7,650.00	7,064.85	7,028.85	7,028.85	41.73	243.65	-87.62	-3,761.82	-4,241.92	5,435.19	5,152.77	282.43	19.245		
7,661.89	7,065.00	7,029.00	7,029.00	41.86	243.66	-89.63	-3,761.82	-4,241.92	5,424.67	5,142.19	282.48	19.204		
7,700.00	7,065.13	7,029.13	7,029.13	42.28	243.66	-89.63	-3,761.82	-4,241.92	5,391.02	5,108.38	282.65	19.073		
7,800.00	7,065.47	7,029.47	7,029.47	43.53	243.68	-89.64	-3,761.82	-4,241.92	5,303.02	5,019.88	283.13	18.730		
7,900.00	7,065.82	7,029.82	7,029.82	44.94	243.69	-89.65	-3,761.82	-4,241.92	5,215.44	4,931.75	283.69	18.384		
8,000.00	7,066.16	7,030.16	7,030.16	46.50	243.70	-89.65	-3,761.82	-4,241.92	5,128.32	4,844.00	284.32	18.037		
8,100.00	7,066.50	7,030.50	7,030.50	48.19	243.71	-89.66	-3,761.82	-4,241.92	5,041.68	4,756.65	285.02	17.689		
8,200.00	7,066.85	7,030.85	7,030.85	50.00	243.72	-89.67	-3,761.82	-4,241.92	4,955.54	4,669.73	285.81	17.339		
8,300.00	7,067.19	7,031.19	7,031.19	51.91	243.74	-89.68	-3,761.82	-4,241.92	4,869.93	4,583.25	286.68	16.987		
8,400.00	7,067.54	7,031.54	7,031.54	53.92	243.75	-89.69	-3,761.82	-4,241.92	4,784.88	4,497.23	287.64	16.635		
8,500.00	7,067.88	7,031.88	7,031.88	56.01	243.76	-89.69	-3,761.82	-4,241.92	4,700.41	4,411.72	288.69	16.282		
8,600.00	7,068.22	7,032.22	7,032.22	58.16	243.77	-89.70	-3,761.82	-4,241.92	4,616.57	4,326.73	289.84	15.928		
8,700.00	7,068.57	7,032.57	7,032.57	60.38	243.78	-89.71	-3,761.82	-4,241.92	4,533.38	4,242.30	291.08	15.574		
8,800.00	7,068.91	7,032.91	7,032.91	62.65	243.80	-89.72	-3,761.82	-4,241.92	4,450.89	4,158.46	292.42	15.221		
8,900.00	7,069.25	7,033.25	7,033.25	64.97	243.81	-89.72	-3,761.82	-4,241.92	4,369.12	4,075.26	293.87	14.868		
9,000.00	7,069.60	7,033.60	7,033.60	67.34	243.82	-89.73	-3,761.82	-4,241.92	4,288.13	3,992.71	295.42	14.515		
9,100.00	7,069.94	7,033.94	7,033.94	69.74	243.83	-89.74	-3,761.82	-4,241.92	4,207.96	3,910.88	297.08	14.165		
9,200.00	7,070.28	7,034.28	7,034.28	72.18	243.84	-89.75	-3,761.82	-4,241.92	4,128.65	3,829.80	298.85	13.815		
9,300.00	7,070.63	7,034.63	7,034.63	74.65	243.86	-89.76	-3,761.82	-4,241.92	4,050.26	3,749.53	300.73	13.468		
9,400.00	7,070.97	7,034.97	7,034.97	77.15	243.87	-89.76	-3,761.82	-4,241.92	3,972.84	3,670.11	302.73	13.124		
9,500.00	7,071.32	7,035.32	7,035.32	79.67	243.88	-89.77	-3,761.82	-4,241.92	3,896.44	3,591.60	304.84	12.782		
9,600.00	7,071.66	7,035.66	7,035.66	82.22	243.89	-89.78	-3,761.82	-4,241.92	3,821.14	3,514.07	307.07	12.444		
9,700.00	7,072.00	7,036.00	7,036.00	84.78	243.90	-89.79	-3,761.82	-4,241.92	3,746.99	3,437.56	309.43	12.109		
9,800.00	7,072.35	7,036.35	7,036.35	87.37	243.92	-89.79	-3,761.82	-4,241.92	3,674.07	3,362.17	311.90	11.780		
9,900.00	7,072.69	7,036.69	7,036.69	89.97	243.93	-89.80	-3,761.82	-4,241.92	3,602.45	3,287.95	314.50	11.455		
10,000.00	7,073.03	7,037.03	7,037.03	92.59	243.94	-89.81	-3,761.82	-4,241.92	3,532.20	3,214.99	317.22	11.135		
10,100.00	7,073.38	7,037.38	7,037.38	95.22	243.95	-89.82	-3,761.82	-4,241.92	3,463.42	3,143.36	320.06	10.821		
10,200.00	7,073.72	7,037.72	7,037.72	97.86	243.96	-89.83	-3,761.82	-4,241.92	3,396.19	3,073.17	323.02	10.514		
10,300.00	7,074.07	7,038.07	7,038.07	100.52	243.98	-89.83	-3,761.82	-4,241.92	3,330.61	3,004.51	326.10	10.213		
10,400.00	7,074.41	7,038.41	7,038.41	103.19	243.99	-89.84	-3,761.82	-4,241.92	3,266.77	2,937.47	329.30	9.920		
10,500.00	7,074.75	7,038.75	7,038.75	105.87	244.00	-89.85	-3,761.82	-4,241.92	3,204.78	2,872.16	332.62	9.635		
10,600.00	7,075.10	7,039.10	7,039.10	108.55	244.01	-89.86	-3,761.82	-4,241.92	3,144.75	2,808.71	336.05	9.358		
10,700.00	7,075.44	7,039.44	7,039.44	111.25	244.02	-89.86	-3,761.82	-4,241.92	3,086.80	2,747.22	339.58	9.090		
10,800.00	7,075.78	7,039.78	7,039.78	113.96	244.04	-89.87	-3,761.82	-4,241.92	3,031.03	2,687.82	343.20	8.832		
10,900.00	7,076.13	7,040.13	7,040.13	116.67	244.05	-89.88	-3,761.82	-4,241.92	2,977.58	2,630.66	346.92	8.583		
11,000.00	7,076.47	7,040.47	7,040.47	119.39	244.06	-89.89	-3,761.82	-4,241.92	2,926.57	2,575.85	350.72	8.345		
11,100.00	7,076.81	7,040.81	7,040.81	122.11	244.07	-89.89	-3,761.82	-4,241.92	2,878.13	2,523.55	354.58	8.117		
11,200.00	7,077.16	7,041.16	7,041.16	124.85	244.08	-89.90	-3,761.82	-4,241.92	2,832.40	2,473.91	358.49	7.901		
11,300.00	7,077.50	7,041.50	7,041.50	127.58	244.10	-89.91	-3,761.82	-4,241.92	2,789.50	2,427.06	362.44	7.696		
11,400.00	7,077.85	7,041.85	7,041.85	130.33	244.11	-89.92	-3,761.82	-4,241.92	2,749.57	2,383.16	366.41	7.504		
11,500.00	7,078.19	7,042.19	7,042.19	133.08	244.12	-89.93	-3,761.82	-4,241.92	2,712.74	2,342.37	370.38	7.324		
11,600.00	7,078.53	7,042.53	7,042.53	135.83	244.13	-89.93	-3,761.82	-4,241.92	2,679.14	2,304.82	374.32	7.157		
11,700.00	7,078.88	7,042.88	7,042.88	138.59	244.14	-89.94	-3,761.82	-4,241.92	2,648.89	2,270.67	378.22	7.004		
11,800.00	7,079.22	7,043.22	7,043.22	141.35	244.16	-89.95	-3,761.82	-4,241.92	2,622.11	2,240.06	382.05	6.863		
11,900.00	7,079.56	7,043.56	7,043.56	144.11	244.17	-89.96	-3,761.82	-4,241.92	2,598.91	2,213.12	385.78	6.737		
12,000.00	7,079.91	7,043.91	7,043.91	146.88	244.18	-89.96	-3,761.82	-4,241.92	2,579.37	2,189.97	389.40	6.624		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
12,100.00	7,080.25	7,044.25	7,044.25	149.66	244.19	-89.97	-3,761.82	-4,241.92	2,563.59	2,170.71	392.87	6.525		
12,200.00	7,080.60	7,044.60	7,044.60	152.43	244.20	-89.98	-3,761.82	-4,241.92	2,551.63	2,155.44	396.18	6.441		
12,300.00	7,080.94	7,044.94	7,044.94	155.21	244.22	-89.99	-3,761.82	-4,241.92	2,543.55	2,144.24	399.31	6.370		
12,400.00	7,081.28	7,045.28	7,045.28	157.99	244.23	-90.00	-3,761.82	-4,241.92	2,539.38	2,137.16	402.22	6.313		
12,455.84	7,081.47	7,045.47	7,045.47	159.55	244.23	-90.00	-3,761.82	-4,241.92	2,538.77	2,135.02	403.75	6.288 CC		
12,500.00	7,081.63	7,045.63	7,045.63	160.78	244.24	-90.00	-3,761.82	-4,241.92	2,539.15	2,134.24	404.91	6.271 ES		
12,600.00	7,081.97	7,045.97	7,045.97	163.57	244.25	-90.01	-3,761.82	-4,241.92	2,542.86	2,135.49	407.37	6.242		
12,700.00	7,082.31	7,046.31	7,046.31	166.36	244.26	-90.02	-3,761.82	-4,241.92	2,550.48	2,140.90	409.58	6.227		
12,800.00	7,082.66	7,046.66	7,046.66	169.15	244.28	-90.03	-3,761.82	-4,241.92	2,561.99	2,150.45	411.54	6.225 SF		
12,900.00	7,083.00	7,047.00	7,047.00	171.94	244.29	-90.03	-3,761.82	-4,241.92	2,577.33	2,164.08	413.25	6.237		
13,000.00	7,083.35	7,047.35	7,047.35	174.74	244.30	-90.04	-3,761.82	-4,241.92	2,596.43	2,181.73	414.70	6.261		
13,100.00	7,083.69	7,047.69	7,047.69	177.54	244.31	-90.05	-3,761.82	-4,241.92	2,619.21	2,203.32	415.90	6.298		
13,200.00	7,084.03	7,048.03	7,048.03	180.34	244.32	-90.06	-3,761.82	-4,241.92	2,645.58	2,228.73	416.86	6.346		
13,300.00	7,084.38	7,048.38	7,048.38	183.14	244.34	-90.07	-3,761.82	-4,241.92	2,675.43	2,257.85	417.58	6.407		
13,400.00	7,084.72	7,048.72	7,048.72	185.95	244.35	-90.07	-3,761.82	-4,241.92	2,708.65	2,290.56	418.09	6.479		
13,500.00	7,085.06	7,049.06	7,049.06	188.76	244.36	-90.08	-3,761.82	-4,241.92	2,745.10	2,326.72	418.39	6.561		
13,600.00	7,085.41	7,049.41	7,049.41	191.56	244.37	-90.09	-3,761.82	-4,241.92	2,784.68	2,366.18	418.49	6.654		
13,700.00	7,085.75	7,049.75	7,049.75	194.37	244.38	-90.10	-3,761.82	-4,241.92	2,827.23	2,408.81	418.42	6.757		
13,800.00	7,086.09	7,050.09	7,050.09	197.18	244.40	-90.10	-3,761.82	-4,241.92	2,872.64	2,454.45	418.19	6.869		
13,900.00	7,086.44	7,050.44	7,050.44	200.00	244.41	-90.11	-3,761.82	-4,241.92	2,920.77	2,502.96	417.82	6.991		
14,000.00	7,086.78	7,050.78	7,050.78	202.81	244.42	-90.12	-3,761.82	-4,241.92	2,971.49	2,554.18	417.31	7.121		
14,100.00	7,087.13	7,051.13	7,051.13	205.63	244.43	-90.13	-3,761.82	-4,241.92	3,024.66	2,607.97	416.69	7.259		
14,200.00	7,087.47	7,051.47	7,051.47	208.44	244.44	-90.14	-3,761.82	-4,241.92	3,080.16	2,664.19	415.97	7.405		
14,300.00	7,087.81	7,051.81	7,051.81	211.26	244.46	-90.14	-3,761.82	-4,241.92	3,137.87	2,722.71	415.16	7.558		
14,400.00	7,088.16	7,052.16	7,052.16	214.08	244.47	-90.15	-3,761.82	-4,241.92	3,197.66	2,783.39	414.28	7.719		
14,500.00	7,088.50	7,052.50	7,052.50	216.90	244.48	-90.16	-3,761.82	-4,241.92	3,259.43	2,846.10	413.33	7.886		
14,600.00	7,088.84	7,052.84	7,052.84	219.72	244.49	-90.17	-3,761.82	-4,241.92	3,323.06	2,910.72	412.33	8.059		
14,700.00	7,089.19	7,053.19	7,053.19	222.54	244.50	-90.17	-3,761.82	-4,241.92	3,388.44	2,977.15	411.29	8.239		
14,800.00	7,089.53	7,053.53	7,053.53	225.37	244.52	-90.18	-3,761.82	-4,241.92	3,455.48	3,045.26	410.22	8.424		
14,900.00	7,089.88	7,053.88	7,053.88	228.19	244.53	-90.19	-3,761.82	-4,241.92	3,524.08	3,114.97	409.12	8.614		
15,000.00	7,090.22	7,054.22	7,054.22	231.02	244.54	-90.20	-3,761.82	-4,241.92	3,594.16	3,186.16	408.00	8.809		
15,100.00	7,090.56	7,054.56	7,054.56	233.84	244.55	-90.21	-3,761.82	-4,241.92	3,665.63	3,258.76	406.87	9.009		
15,200.00	7,090.91	7,054.91	7,054.91	236.67	244.56	-90.21	-3,761.82	-4,241.92	3,738.40	3,332.67	405.73	9.214		
15,227.29	7,091.00	7,055.00	7,055.00	237.44	244.57	-90.21	-3,761.82	-4,241.92	3,758.48	3,353.06	405.42	9.271		
15,300.00	7,091.25	7,055.25	7,055.25	239.49	244.58	-90.21	-3,761.82	-4,241.92	3,811.79	3,407.22	404.57	9.422		
15,326.57	7,091.35	7,055.35	7,055.35	240.24	244.58	-90.21	-3,761.82	-4,241.92	3,831.12	3,426.86	404.25	9.477		
15,400.00	7,091.60	7,055.60	7,055.60	242.30	244.59	-90.22	-3,761.82	-4,241.92	3,884.75	3,481.37	403.38	9.631		
15,500.00	7,091.96	7,055.96	7,055.96	245.12	244.60	-90.23	-3,761.82	-4,241.92	3,958.81	3,556.63	402.18	9.843		
15,600.00	7,092.31	7,056.31	7,056.31	247.93	244.61	-90.23	-3,761.82	-4,241.92	4,033.99	3,633.00	400.99	10.060		
15,700.00	7,092.66	7,056.66	7,056.66	250.75	244.62	-90.24	-3,761.82	-4,241.92	4,110.23	3,710.41	399.81	10.280		
15,800.00	7,093.01	7,057.01	7,057.01	253.56	244.64	-90.25	-3,761.82	-4,241.92	4,187.47	3,788.82	398.65	10.504		
15,900.00	7,093.36	7,057.36	7,057.36	256.38	244.65	-90.26	-3,761.82	-4,241.92	4,265.65	3,868.16	397.49	10.731		
16,000.00	7,093.71	7,057.71	7,057.71	259.20	244.66	-90.26	-3,761.82	-4,241.92	4,344.73	3,948.38	396.35	10.962		
16,100.00	7,094.07	7,058.07	7,058.07	262.02	244.67	-90.27	-3,761.82	-4,241.92	4,424.65	4,029.43	395.23	11.195		
16,200.00	7,094.42	7,058.42	7,058.42	264.84	244.69	-90.28	-3,761.82	-4,241.92	4,505.38	4,111.26	394.12	11.432		
16,300.00	7,094.77	7,058.77	7,058.77	267.65	244.70	-90.29	-3,761.82	-4,241.92	4,586.86	4,193.83	393.03	11.670		
16,400.00	7,095.12	7,059.12	7,059.12	270.47	244.71	-90.29	-3,761.82	-4,241.92	4,669.07	4,277.11	391.96	11.912		
16,500.00	7,095.47	7,059.47	7,059.47	273.30	244.72	-90.30	-3,761.82	-4,241.92	4,751.96	4,361.05	390.91	12.156		
16,600.00	7,095.82	7,059.82	7,059.82	276.12	244.74	-90.31	-3,761.82	-4,241.92	4,835.49	4,445.61	389.89	12.402		
16,700.00	7,096.18	7,060.18	7,060.18	278.94	244.75	-90.32	-3,761.82	-4,241.92	4,919.64	4,530.77	388.88	12.651		
16,800.00	7,096.53	7,060.53	7,060.53	281.76	244.76	-90.33	-3,761.82	-4,241.92	5,004.38	4,616.49	387.89	12.901		
16,900.00	7,096.88	7,060.88	7,060.88	284.58	244.77	-90.33	-3,761.82	-4,241.92	5,089.66	4,702.74	386.93	13.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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		
17,000.00	7,097.23	7,061.23	7,061.23	287.41	244.78	-90.34	-3,761.82	-4,241.92	5,175.48	4,789.50	385.98	13.409		
17,100.00	7,097.58	7,061.58	7,061.58	290.23	244.80	-90.35	-3,761.82	-4,241.92	5,261.79	4,876.73	385.06	13.665		
17,200.00	7,097.93	7,061.93	7,061.93	293.06	244.81	-90.36	-3,761.82	-4,241.92	5,348.58	4,964.43	384.16	13.923		
17,300.00	7,098.29	7,062.29	7,062.29	295.88	244.82	-90.36	-3,761.82	-4,241.92	5,435.83	5,052.56	383.27	14.183		
17,400.00	7,098.64	7,062.64	7,062.64	298.71	244.83	-90.37	-3,761.82	-4,241.92	5,523.51	5,141.09	382.41	14.444		
17,500.00	7,098.99	7,062.99	7,062.99	301.53	244.85	-90.38	-3,761.82	-4,241.92	5,611.60	5,230.03	381.57	14.707		
17,600.00	7,099.34	7,063.34	7,063.34	304.36	244.86	-90.39	-3,761.82	-4,241.92	5,700.08	5,319.33	380.75	14.971		
17,700.00	7,099.69	7,063.69	7,063.69	307.19	244.87	-90.39	-3,761.82	-4,241.92	5,788.94	5,408.99	379.95	15.236		
17,800.00	7,100.04	7,064.04	7,064.04	310.01	244.88	-90.40	-3,761.82	-4,241.92	5,878.15	5,498.99	379.16	15.503		
17,900.00	7,100.40	7,064.40	7,064.40	312.84	244.90	-90.41	-3,761.82	-4,241.92	5,967.71	5,589.31	378.40	15.771		
18,000.00	7,100.75	7,064.75	7,064.75	315.67	244.91	-90.42	-3,761.82	-4,241.92	6,057.60	5,679.94	377.65	16.040		
18,100.00	7,101.10	7,065.10	7,065.10	318.50	244.92	-90.42	-3,761.82	-4,241.92	6,147.79	5,770.87	376.93	16.310		
18,200.00	7,101.45	7,065.45	7,065.45	321.33	244.93	-90.43	-3,761.82	-4,241.92	6,238.29	5,862.07	376.22	16.582		
18,300.00	7,101.80	7,065.80	7,065.80	324.16	244.94	-90.44	-3,761.82	-4,241.92	6,329.07	5,953.55	375.52	16.854		
18,400.00	7,102.16	7,066.16	7,066.16	326.99	244.96	-90.45	-3,761.82	-4,241.92	6,420.13	6,045.28	374.85	17.127		
18,500.00	7,102.51	7,066.51	7,066.51	329.82	244.97	-90.46	-3,761.82	-4,241.92	6,511.44	6,137.25	374.19	17.401		
18,600.00	7,102.86	7,066.86	7,066.86	332.65	244.98	-90.46	-3,761.82	-4,241.92	6,603.01	6,229.47	373.55	17.677		
18,700.00	7,103.21	7,067.21	7,067.21	335.48	244.99	-90.47	-3,761.82	-4,241.92	6,694.82	6,321.91	372.92	17.953		
18,800.00	7,103.56	7,067.56	7,067.56	338.31	245.01	-90.48	-3,761.82	-4,241.92	6,786.87	6,414.56	372.31	18.229		
18,900.00	7,103.91	7,067.91	7,067.91	341.14	245.02	-90.49	-3,761.82	-4,241.92	6,879.13	6,507.42	371.71	18.507		
18,924.52	7,104.00	7,068.00	7,068.00	341.83	245.02	-90.49	-3,761.82	-4,241.92	6,901.78	6,530.22	371.56	18.575		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	2.00	3.28	3.28	-100.76	-1,082.79	-5,699.32	5,801.27					
100.00	100.00	102.00	102.00	3.28	3.75	-100.76	-1,082.79	-5,699.32	5,801.27	5,794.23	7.03	824.801		
200.00	200.00	202.00	202.00	3.34	6.24	-100.76	-1,082.79	-5,699.32	5,801.27	5,791.69	9.58	605.860		
300.00	299.98	301.98	301.98	3.44	9.39	126.24	-1,082.79	-5,699.32	5,802.30	5,789.47	12.83	452.289		
400.00	399.84	401.84	401.84	3.59	12.71	126.23	-1,082.79	-5,699.32	5,805.39	5,789.09	16.31	356.037		
500.00	499.45	501.45	501.45	3.80	16.10	126.22	-1,082.79	-5,699.32	5,810.56	5,790.67	19.89	292.119		
600.00	598.70	600.70	600.70	4.04	19.50	126.20	-1,082.79	-5,699.32	5,817.79	5,794.25	23.54	247.136		
700.00	697.47	700.53	699.47	4.32	22.95	126.17	-1,082.79	-5,699.32	5,827.10	5,799.83	27.27	213.690		
800.00	795.62	802.38	797.62	4.65	26.47	126.13	-1,082.79	-5,699.32	5,838.49	5,807.38	31.11	187.643		
900.00	893.06	904.94	895.06	5.02	30.03	126.09	-1,082.79	-5,699.32	5,851.98	5,816.95	35.03	167.063		
993.00	982.91	984.91	984.91	5.39	32.80	126.04	-1,082.79	-5,699.32	5,866.40	5,828.23	38.17	153.700		
1,000.00	989.65	1,008.35	991.65	5.42	33.62	126.05	-1,082.79	-5,699.32	5,867.55	5,828.54	39.01	150.402		
1,100.00	1,085.84	1,087.84	1,087.84	5.86	36.38	126.26	-1,082.79	-5,699.32	5,884.09	5,841.90	42.19	139.469		
1,200.00	1,182.03	1,184.03	1,184.03	6.32	39.72	126.47	-1,082.79	-5,699.32	5,900.70	5,854.73	45.97	128.363		
1,300.00	1,278.22	1,280.22	1,280.22	6.79	43.07	126.68	-1,082.79	-5,699.32	5,917.39	5,867.62	49.77	118.904		
1,400.00	1,374.42	1,376.42	1,376.42	7.28	46.42	126.89	-1,082.79	-5,699.32	5,934.16	5,880.58	53.58	110.758		
1,500.00	1,470.61	1,472.61	1,472.61	7.79	49.77	127.09	-1,082.79	-5,699.32	5,951.01	5,893.61	57.40	103.674		
1,600.00	1,566.80	1,568.80	1,568.80	8.30	53.12	127.30	-1,082.79	-5,699.32	5,967.93	5,906.70	61.23	97.462		
1,700.00	1,663.00	1,665.00	1,665.00	8.82	56.48	127.50	-1,082.79	-5,699.32	5,984.94	5,919.86	65.07	91.971		
1,800.00	1,759.19	1,761.19	1,761.19	9.34	59.83	127.70	-1,082.79	-5,699.32	6,002.02	5,933.10	68.92	87.086		
1,900.00	1,855.38	1,857.38	1,857.38	9.87	63.18	127.90	-1,082.79	-5,699.32	6,019.17	5,946.40	72.77	82.712		
2,000.00	1,951.58	1,953.58	1,953.58	10.41	66.53	128.10	-1,082.79	-5,699.32	6,036.40	5,959.77	76.63	78.775		
2,100.00	2,047.77	2,049.77	2,049.77	10.95	69.89	128.30	-1,082.79	-5,699.32	6,053.71	5,973.22	80.49	75.212		
2,200.00	2,143.96	2,145.96	2,145.96	11.49	73.24	128.50	-1,082.79	-5,699.32	6,071.08	5,986.73	84.35	71.974		
2,300.00	2,240.16	2,242.16	2,242.16	12.04	76.60	128.69	-1,082.79	-5,699.32	6,088.54	6,000.32	88.22	69.018		
2,400.00	2,336.35	2,338.35	2,338.35	12.58	79.95	128.89	-1,082.79	-5,699.32	6,106.06	6,013.97	92.08	66.309		
2,500.00	2,432.54	2,434.54	2,434.54	13.13	83.31	129.08	-1,082.79	-5,699.32	6,123.65	6,027.70	95.95	63.818		
2,600.00	2,528.74	2,530.74	2,530.74	13.69	86.66	129.28	-1,082.79	-5,699.32	6,141.32	6,041.50	99.83	61.520		
2,700.00	2,624.93	2,626.93	2,626.93	14.24	90.02	129.47	-1,082.79	-5,699.32	6,159.06	6,055.36	103.70	59.394		
2,800.00	2,721.12	2,723.12	2,723.12	14.80	93.38	129.66	-1,082.79	-5,699.32	6,176.87	6,069.29	107.57	57.421		
2,900.00	2,817.32	2,819.32	2,819.32	15.35	96.73	129.85	-1,082.79	-5,699.32	6,194.74	6,083.30	111.45	55.585		
3,000.00	2,913.51	2,915.51	2,915.51	15.91	100.09	130.04	-1,082.79	-5,699.32	6,212.69	6,097.37	115.32	53.873		
3,100.00	3,009.70	3,011.70	3,011.70	16.47	103.45	130.23	-1,082.79	-5,699.32	6,230.70	6,111.50	119.20	52.272		
3,200.00	3,105.90	3,107.90	3,107.90	17.03	106.80	130.42	-1,082.79	-5,699.32	6,248.78	6,125.71	123.07	50.772		
3,300.00	3,202.09	3,204.09	3,204.09	17.59	110.16	130.60	-1,082.79	-5,699.32	6,266.93	6,139.98	126.95	49.365		
3,400.00	3,298.28	3,300.28	3,300.28	18.15	113.51	130.79	-1,082.79	-5,699.32	6,285.14	6,154.32	130.83	48.041		
3,500.00	3,394.48	3,403.52	3,396.48	18.72	117.12	130.97	-1,082.79	-5,699.32	6,303.42	6,168.47	134.95	46.709		
3,600.00	3,490.67	3,507.33	3,492.67	19.28	120.74	131.15	-1,082.79	-5,699.32	6,321.77	6,182.67	139.10	45.449		
3,700.00	3,586.86	3,588.86	3,588.86	19.84	123.59	131.34	-1,082.79	-5,699.32	6,340.18	6,197.72	142.46	44.504		
3,800.00	3,683.06	3,685.06	3,685.06	20.41	126.94	131.52	-1,082.79	-5,699.32	6,358.65	6,212.31	146.34	43.451		
3,900.00	3,779.25	3,781.25	3,781.25	20.97	130.30	131.70	-1,082.79	-5,699.32	6,377.19	6,226.97	150.22	42.453		
4,000.00	3,875.44	3,877.44	3,877.44	21.54	133.66	131.88	-1,082.79	-5,699.32	6,395.79	6,241.70	154.10	41.505		
4,100.00	3,971.64	3,973.64	3,973.64	22.11	137.01	132.05	-1,082.79	-5,699.32	6,414.46	6,256.48	157.97	40.604		
4,200.00	4,067.83	4,069.83	4,069.83	22.67	140.37	132.23	-1,082.79	-5,699.32	6,433.18	6,271.33	161.85	39.747		
4,300.00	4,164.02	4,166.02	4,166.02	23.24	143.73	132.41	-1,082.79	-5,699.32	6,451.97	6,286.24	165.73	38.930		
4,400.00	4,260.22	4,262.22	4,262.22	23.81	147.09	132.58	-1,082.79	-5,699.32	6,470.82	6,301.21	169.61	38.151		
4,500.00	4,356.41	4,358.41	4,358.41	24.37	150.44	132.76	-1,082.79	-5,699.32	6,489.73	6,316.24	173.49	37.408		
4,600.00	4,452.60	4,454.60	4,454.60	24.94	153.80	132.93	-1,082.79	-5,699.32	6,508.69	6,331.33	177.36	36.697		
4,700.00	4,548.79	4,550.79	4,550.79	25.51	157.16	133.10	-1,082.79	-5,699.32	6,527.72	6,346.48	181.24	36.017		
4,800.00	4,644.99	4,646.99	4,646.99	26.08	160.51	133.27	-1,082.79	-5,699.32	6,546.81	6,361.69	185.12	35.365		
4,900.00	4,741.18	4,743.18	4,743.18	26.65	163.87	133.44	-1,082.79	-5,699.32	6,565.95	6,376.96	189.00	34.741		
5,000.00	4,837.37	4,839.37	4,839.37	27.21	167.23	133.61	-1,082.79	-5,699.32	6,585.15	6,392.28	192.87	34.142		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,935.57	4,935.57	27.78	170.59	133.78	-1,082.79	-5,699.32	6,604.41	6,407.66	196.75	33.568		
5,200.00	5,029.76	5,031.76	5,031.76	28.35	173.94	133.95	-1,082.79	-5,699.32	6,623.73	6,423.10	200.63	33.015		
5,300.00	5,125.95	5,127.95	5,127.95	28.92	177.30	134.11	-1,082.79	-5,699.32	6,643.10	6,438.60	204.50	32.484		
5,400.00	5,222.15	5,224.15	5,224.15	29.49	180.66	134.28	-1,082.79	-5,699.32	6,662.53	6,454.15	208.38	31.973		
5,500.00	5,318.34	5,320.34	5,320.34	30.06	184.02	134.44	-1,082.79	-5,699.32	6,682.01	6,469.76	212.25	31.481		
5,600.00	5,414.53	5,416.53	5,416.53	30.63	187.37	134.61	-1,082.79	-5,699.32	6,701.55	6,485.42	216.13	31.007		
5,700.00	5,510.73	5,512.73	5,512.73	31.20	190.73	134.77	-1,082.79	-5,699.32	6,721.15	6,501.14	220.00	30.550		
5,800.00	5,606.92	5,608.92	5,608.92	31.77	194.09	134.93	-1,082.79	-5,699.32	6,740.79	6,516.91	223.88	30.109		
5,900.00	5,703.11	5,705.11	5,705.11	32.34	197.45	135.09	-1,082.79	-5,699.32	6,760.49	6,532.74	227.75	29.683		
6,000.00	5,799.31	5,801.31	5,801.31	32.91	200.81	135.25	-1,082.79	-5,699.32	6,780.24	6,548.62	231.63	29.272		
6,100.00	5,895.50	5,902.50	5,897.50	33.48	204.34	135.41	-1,082.79	-5,699.32	6,800.05	6,564.37	235.68	28.853		
6,200.00	5,991.69	6,006.31	5,993.69	34.05	207.96	135.57	-1,082.79	-5,699.32	6,819.91	6,580.09	239.82	28.438		
6,300.00	6,087.89	6,089.89	6,089.89	34.62	210.88	135.73	-1,082.79	-5,699.32	6,839.82	6,596.57	243.25	28.118		
6,400.00	6,184.08	6,186.08	6,186.08	35.19	214.24	135.88	-1,082.79	-5,699.32	6,859.78	6,612.65	247.12	27.759		
6,500.00	6,280.27	6,282.27	6,282.27	35.77	217.59	136.04	-1,082.79	-5,699.32	6,879.79	6,628.79	251.00	27.410		
6,535.30	6,314.23	6,316.23	6,316.23	35.97	218.78	136.09	-1,082.79	-5,699.32	6,886.86	6,634.50	252.36	27.289		
6,550.00	6,328.40	6,330.40	6,330.40	36.05	219.27	132.69	-1,082.79	-5,699.32	6,889.64	6,636.71	252.93	27.239		
6,600.00	6,377.01	6,379.01	6,379.01	36.31	220.97	117.54	-1,082.79	-5,699.32	6,896.61	6,641.73	254.87	27.059		
6,650.00	6,426.00	6,428.00	6,428.00	36.54	222.68	96.61	-1,082.79	-5,699.32	6,899.68	6,642.87	256.81	26.867		
6,700.00	6,475.08	6,477.08	6,477.08	36.73	224.39	73.81	-1,082.79	-5,699.32	6,898.84	6,640.11	258.72	26.665		
6,750.00	6,523.94	6,525.94	6,525.94	36.90	226.10	55.26	-1,082.79	-5,699.32	6,894.09	6,633.49	260.60	26.455		
6,800.00	6,572.28	6,574.28	6,574.28	37.05	227.79	42.55	-1,082.79	-5,699.32	6,885.47	6,623.04	262.43	26.237		
6,850.00	6,619.81	6,621.81	6,621.81	37.19	229.45	34.14	-1,082.79	-5,699.32	6,873.02	6,608.81	264.20	26.014		
6,900.00	6,666.23	6,668.23	6,668.23	37.32	231.07	28.45	-1,082.79	-5,699.32	6,856.82	6,590.91	265.92	25.786		
6,950.00	6,711.25	6,713.25	6,713.25	37.46	232.64	24.47	-1,082.79	-5,699.32	6,836.98	6,569.42	267.56	25.553		
7,000.00	6,754.60	6,756.60	6,756.60	37.61	234.15	21.58	-1,082.79	-5,699.32	6,813.61	6,544.48	269.13	25.317		
7,050.00	6,796.01	6,801.99	6,798.01	37.77	235.74	19.44	-1,082.79	-5,699.32	6,786.85	6,516.10	270.75	25.067		
7,100.00	6,835.22	6,837.22	6,837.22	37.94	236.96	17.83	-1,082.79	-5,699.32	6,756.87	6,484.87	272.00	24.842		
7,150.00	6,871.99	6,873.99	6,873.99	38.12	238.25	16.62	-1,082.79	-5,699.32	6,723.86	6,450.57	273.29	24.603		
7,200.00	6,906.10	6,908.10	6,908.10	38.34	239.44	15.71	-1,082.79	-5,699.32	6,688.01	6,413.53	274.48	24.366		
7,250.00	6,937.34	6,939.34	6,939.34	38.57	240.53	15.05	-1,082.79	-5,699.32	6,649.55	6,373.99	275.56	24.131		
7,300.00	6,965.51	6,967.51	6,967.51	38.84	241.51	14.61	-1,082.79	-5,699.32	6,608.70	6,332.18	276.52	23.899		
7,350.00	6,990.44	7,007.56	6,992.44	39.14	242.91	14.38	-1,082.79	-5,699.32	6,565.73	6,287.83	277.90	23.627		
7,400.00	7,011.97	7,013.97	7,013.97	39.47	243.13	14.39	-1,082.79	-5,699.32	6,520.89	6,242.79	278.09	23.448		
7,450.00	7,029.98	7,031.98	7,031.98	39.85	243.76	14.70	-1,082.79	-5,699.32	6,474.46	6,195.76	278.70	23.231		
7,500.00	7,044.34	7,046.34	7,046.34	40.26	244.26	15.47	-1,082.79	-5,699.32	6,426.72	6,147.55	279.17	23.021		
7,550.00	7,054.99	7,056.99	7,056.99	40.72	244.64	17.18	-1,082.79	-5,699.32	6,377.97	6,098.45	279.52	22.817		
7,600.00	7,061.83	7,063.83	7,063.83	41.21	244.88	21.72	-1,082.79	-5,699.32	6,328.51	6,048.77	279.75	22.622		
7,650.00	7,064.85	7,066.85	7,066.85	41.73	244.98	48.54	-1,082.79	-5,699.32	6,278.64	5,998.80	279.84	22.436		
7,661.89	7,065.00	7,067.00	7,067.00	41.86	244.99	80.77	-1,082.79	-5,699.32	6,266.76	5,986.91	279.85	22.394		
7,700.00	7,065.13	7,067.13	7,067.13	42.28	244.99	80.83	-1,082.79	-5,699.32	6,228.65	5,948.81	279.85	22.257		
7,800.00	7,065.47	7,067.47	7,067.47	43.53	245.00	80.97	-1,082.79	-5,699.32	6,128.68	5,848.82	279.85	21.899		
7,900.00	7,065.82	7,067.82	7,067.82	44.94	245.01	81.12	-1,082.79	-5,699.32	6,028.70	5,748.84	279.86	21.542		
8,000.00	7,066.16	7,068.16	7,068.16	46.50	245.03	81.26	-1,082.79	-5,699.32	5,928.73	5,648.86	279.87	21.184		
8,100.00	7,066.50	7,068.50	7,068.50	48.19	245.04	81.41	-1,082.79	-5,699.32	5,828.75	5,548.87	279.88	20.826		
8,200.00	7,066.85	7,068.85	7,068.85	50.00	245.05	81.55	-1,082.79	-5,699.32	5,728.78	5,448.89	279.89	20.468		
8,300.00	7,067.19	7,069.19	7,069.19	51.91	245.06	81.70	-1,082.79	-5,699.32	5,628.81	5,348.91	279.90	20.110		
8,400.00	7,067.54	7,069.54	7,069.54	53.92	245.07	81.85	-1,082.79	-5,699.32	5,528.84	5,248.92	279.91	19.752		
8,500.00	7,067.88	7,069.88	7,069.88	56.01	245.09	81.99	-1,082.79	-5,699.32	5,428.87	5,148.94	279.93	19.394		
8,600.00	7,068.22	7,070.22	7,070.22	58.16	245.10	82.14	-1,082.79	-5,699.32	5,328.90	5,048.96	279.94	19.036		
8,700.00	7,068.57	7,070.57	7,070.57	60.38	245.11	82.28	-1,082.79	-5,699.32	5,228.93	4,948.97	279.96	18.678		
8,800.00	7,068.91	7,070.91	7,070.91	62.65	245.12	82.43	-1,082.79	-5,699.32	5,128.96	4,848.99	279.97	18.319		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,071.25	7,071.25	64.97	245.13	82.57	-1,082.79	-5,699.32	5,029.00	4,749.01	279.99	17.961		
9,000.00	7,069.60	7,071.60	7,071.60	67.34	245.15	82.72	-1,082.79	-5,699.32	4,929.03	4,649.02	280.01	17.603		
9,100.00	7,069.94	7,071.94	7,071.94	69.74	245.16	82.87	-1,082.79	-5,699.32	4,829.07	4,549.04	280.03	17.245		
9,200.00	7,070.28	7,072.28	7,072.28	72.18	245.17	83.01	-1,082.79	-5,699.32	4,729.11	4,449.06	280.05	16.886		
9,300.00	7,070.63	7,072.63	7,072.63	74.65	245.18	83.16	-1,082.79	-5,699.32	4,629.15	4,349.08	280.08	16.528		
9,400.00	7,070.97	7,072.97	7,072.97	77.15	245.19	83.31	-1,082.79	-5,699.32	4,529.19	4,249.09	280.10	16.170		
9,500.00	7,071.32	7,073.32	7,073.32	79.67	245.21	83.45	-1,082.79	-5,699.32	4,429.24	4,149.11	280.13	15.812		
9,600.00	7,071.66	7,073.66	7,073.66	82.22	245.22	83.60	-1,082.79	-5,699.32	4,329.28	4,049.13	280.15	15.453		
9,700.00	7,072.00	7,074.00	7,074.00	84.78	245.23	83.75	-1,082.79	-5,699.32	4,229.33	3,949.15	280.18	15.095		
9,800.00	7,072.35	7,074.35	7,074.35	87.37	245.24	83.89	-1,082.79	-5,699.32	4,129.38	3,849.17	280.21	14.737		
9,900.00	7,072.69	7,074.69	7,074.69	89.97	245.25	84.04	-1,082.79	-5,699.32	4,029.44	3,749.19	280.24	14.378		
10,000.00	7,073.03	7,075.03	7,075.03	92.59	245.27	84.19	-1,082.79	-5,699.32	3,929.49	3,649.22	280.28	14.020		
10,100.00	7,073.38	7,075.38	7,075.38	95.22	245.28	84.33	-1,082.79	-5,699.32	3,829.55	3,549.24	280.31	13.662		
10,200.00	7,073.72	7,075.72	7,075.72	97.86	245.29	84.48	-1,082.79	-5,699.32	3,729.61	3,449.27	280.35	13.303		
10,300.00	7,074.07	7,076.07	7,076.07	100.52	245.30	84.63	-1,082.79	-5,699.32	3,629.68	3,349.29	280.39	12.945		
10,400.00	7,074.41	7,076.41	7,076.41	103.19	245.31	84.78	-1,082.79	-5,699.32	3,529.75	3,249.32	280.43	12.587		
10,500.00	7,074.75	7,076.75	7,076.75	105.87	245.33	84.92	-1,082.79	-5,699.32	3,429.82	3,149.35	280.47	12.229		
10,600.00	7,075.10	7,077.10	7,077.10	108.55	245.34	85.07	-1,082.79	-5,699.32	3,329.90	3,049.38	280.52	11.870		
10,700.00	7,075.44	7,077.44	7,077.44	111.25	245.35	85.22	-1,082.79	-5,699.32	3,229.98	2,949.41	280.57	11.512		
10,800.00	7,075.78	7,077.78	7,077.78	113.96	245.36	85.37	-1,082.79	-5,699.32	3,130.07	2,849.45	280.63	11.154		
10,900.00	7,076.13	7,078.13	7,078.13	116.67	245.37	85.51	-1,082.79	-5,699.32	3,030.16	2,749.48	280.68	10.796		
11,000.00	7,076.47	7,078.47	7,078.47	119.39	245.39	85.66	-1,082.79	-5,699.32	2,930.26	2,649.52	280.74	10.437		
11,100.00	7,076.81	7,078.81	7,078.81	122.11	245.40	85.81	-1,082.79	-5,699.32	2,830.37	2,549.56	280.81	10.079		
11,200.00	7,077.16	7,079.16	7,079.16	124.85	245.41	85.96	-1,082.79	-5,699.32	2,730.48	2,449.60	280.88	9.721		
11,300.00	7,077.50	7,079.50	7,079.50	127.58	245.42	86.10	-1,082.79	-5,699.32	2,630.61	2,349.64	280.96	9.363		
11,400.00	7,077.85	7,079.85	7,079.85	130.33	245.43	86.25	-1,082.79	-5,699.32	2,530.74	2,249.69	281.05	9.005		
11,500.00	7,078.19	7,080.19	7,080.19	133.08	245.45	86.40	-1,082.79	-5,699.32	2,430.88	2,149.74	281.15	8.646		
11,600.00	7,078.53	7,080.53	7,080.53	135.83	245.46	86.55	-1,082.79	-5,699.32	2,331.04	2,049.79	281.25	8.288		
11,700.00	7,078.88	7,080.88	7,080.88	138.59	245.47	86.70	-1,082.79	-5,699.32	2,231.21	1,949.84	281.37	7.930		
11,800.00	7,079.22	7,081.22	7,081.22	141.35	245.48	86.84	-1,082.79	-5,699.32	2,131.39	1,849.89	281.50	7.571		
11,900.00	7,079.56	7,081.56	7,081.56	144.11	245.49	86.99	-1,082.79	-5,699.32	2,031.60	1,749.94	281.66	7.213		
12,000.00	7,079.91	7,081.91	7,081.91	146.88	245.51	87.14	-1,082.79	-5,699.32	1,931.82	1,649.99	281.83	6.855		
12,100.00	7,080.25	7,082.25	7,082.25	149.66	245.52	87.29	-1,082.79	-5,699.32	1,832.07	1,550.04	282.03	6.496		
12,200.00	7,080.60	7,082.60	7,082.60	152.43	245.53	87.44	-1,082.79	-5,699.32	1,732.35	1,450.08	282.27	6.137		
12,300.00	7,080.94	7,082.94	7,082.94	155.21	245.54	87.58	-1,082.79	-5,699.32	1,632.66	1,350.11	282.55	5.778		
12,400.00	7,081.28	7,083.28	7,083.28	157.99	245.55	87.73	-1,082.79	-5,699.32	1,533.01	1,250.13	282.89	5.419		
12,500.00	7,081.63	7,083.63	7,083.63	160.78	245.57	87.88	-1,082.79	-5,699.32	1,433.42	1,150.12	283.30	5.060		
12,600.00	7,081.97	7,083.97	7,083.97	163.57	245.58	88.03	-1,082.79	-5,699.32	1,333.88	1,050.08	283.80	4.700		
12,700.00	7,082.31	7,084.31	7,084.31	166.36	245.59	88.18	-1,082.79	-5,699.32	1,234.41	949.99	284.43	4.340		
12,800.00	7,082.66	7,084.66	7,084.66	169.15	245.60	88.33	-1,082.79	-5,699.32	1,135.04	849.82	285.22	3.979		
12,900.00	7,083.00	7,085.00	7,085.00	171.94	245.61	88.47	-1,082.79	-5,699.32	1,035.79	749.54	286.25	3.618		
13,000.00	7,083.35	7,085.35	7,085.35	174.74	245.63	88.62	-1,082.79	-5,699.32	936.70	649.09	287.61	3.257		
13,100.00	7,083.69	7,085.69	7,085.69	177.54	245.64	88.77	-1,082.79	-5,699.32	837.83	548.38	289.45	2.895		
13,200.00	7,084.03	7,086.03	7,086.03	180.34	245.65	88.92	-1,082.79	-5,699.32	739.26	447.26	292.00	2.532		
13,300.00	7,084.38	7,086.38	7,086.38	183.14	245.66	89.07	-1,082.79	-5,699.32	641.13	345.50	295.63	2.169		
13,400.00	7,084.72	7,086.72	7,086.72	185.95	245.67	89.22	-1,082.79	-5,699.32	543.69	242.68	301.01	1.806		
13,500.00	7,085.06	7,087.06	7,087.06	188.76	245.69	89.37	-1,082.79	-5,699.32	447.37	138.06	309.31	1.446 Level 3		
13,600.00	7,085.41	7,087.41	7,087.41	191.56	245.70	89.51	-1,082.79	-5,699.32	353.11	30.27	322.85	1.094 Level 2		
13,700.00	7,085.75	7,087.75	7,087.75	194.37	245.71	89.66	-1,082.79	-5,699.32	263.12	-83.20	346.32	0.760 Level 1		
13,800.00	7,086.09	7,088.09	7,088.09	197.18	245.72	89.81	-1,082.79	-5,699.32	183.79	-204.52	388.31	0.473 Level 1		
13,900.00	7,086.44	7,088.44	7,088.44	200.00	245.73	89.96	-1,082.79	-5,699.32	135.36	-305.83	441.19	0.307 Level 1		
13,927.28	7,086.53	7,088.53	7,088.53	200.76	245.74	90.00	-1,082.79	-5,699.32	132.58	-313.90	446.48	0.297 Level 1, 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,088.78	7,088.78	202.81	245.75	90.11	-1,082.79	-5,699.32	151.21	-274.53	425.74	0.355 Level 1		
14,100.00	7,087.13	7,089.13	7,089.13	205.63	245.76	90.26	-1,082.79	-5,699.32	217.74	-158.70	376.44	0.578 Level 1		
14,200.00	7,087.47	7,089.47	7,089.47	208.44	245.77	90.41	-1,082.79	-5,699.32	303.24	-41.83	345.06	0.879 Level 1		
14,300.00	7,087.81	7,089.81	7,089.81	211.26	245.78	90.55	-1,082.79	-5,699.32	395.60	68.61	326.99	1.210 Level 2		
14,400.00	7,088.16	7,109.84	7,090.16	214.08	246.48	90.70	-1,082.79	-5,699.32	490.96	174.32	316.63	1.551		
14,500.00	7,088.50	7,109.50	7,090.50	216.90	246.47	90.85	-1,082.79	-5,699.32	587.86	278.44	309.42	1.900		
14,600.00	7,088.84	7,109.16	7,090.84	219.72	246.46	91.00	-1,082.79	-5,699.32	685.66	381.19	304.47	2.252		
14,700.00	7,089.19	7,108.81	7,091.19	222.54	246.45	91.15	-1,082.79	-5,699.32	784.01	483.08	300.93	2.605		
14,800.00	7,089.53	7,108.47	7,091.53	225.37	246.43	91.30	-1,082.79	-5,699.32	882.73	584.42	298.31	2.959		
14,900.00	7,089.88	7,108.13	7,091.88	228.19	246.42	91.44	-1,082.79	-5,699.32	981.71	685.39	296.32	3.313		
15,000.00	7,090.22	7,107.78	7,092.22	231.02	246.41	91.59	-1,082.79	-5,699.32	1,080.88	786.10	294.77	3.667		
15,100.00	7,090.56	7,107.44	7,092.56	233.84	246.40	91.74	-1,082.79	-5,699.32	1,180.18	886.63	293.55	4.020		
15,200.00	7,090.91	7,107.09	7,092.91	236.67	246.39	91.89	-1,082.79	-5,699.32	1,279.60	987.03	292.57	4.374		
15,227.29	7,091.00	7,107.00	7,093.00	237.44	246.38	91.93	-1,082.79	-5,699.32	1,306.75	1,014.41	292.34	4.470		
15,300.00	7,091.25	7,106.75	7,093.25	239.49	246.37	92.79	-1,082.79	-5,699.32	1,379.18	1,087.33	291.85	4.726		
15,326.57	7,091.35	7,106.65	7,093.35	240.24	246.37	93.29	-1,082.79	-5,699.32	1,405.69	1,113.97	291.72	4.819		
15,400.00	7,091.60	7,106.40	7,093.60	242.30	246.36	93.47	-1,082.79	-5,699.32	1,478.99	1,187.56	291.43	5.075		
15,500.00	7,091.96	7,106.04	7,093.96	245.12	246.35	93.70	-1,082.79	-5,699.32	1,578.83	1,287.75	291.08	5.424		
15,600.00	7,092.31	7,105.69	7,094.31	247.93	246.34	93.93	-1,082.79	-5,699.32	1,678.69	1,387.90	290.80	5.773		
15,700.00	7,092.66	7,105.34	7,094.66	250.75	246.32	94.17	-1,082.79	-5,699.32	1,778.57	1,488.02	290.55	6.121		
15,800.00	7,093.01	7,104.99	7,095.01	253.56	246.31	94.40	-1,082.79	-5,699.32	1,878.46	1,588.11	290.35	6.470		
15,900.00	7,093.36	7,104.64	7,095.36	256.38	246.30	94.64	-1,082.79	-5,699.32	1,978.36	1,688.19	290.17	6.818		
16,000.00	7,093.71	7,104.29	7,095.71	259.20	246.29	94.87	-1,082.79	-5,699.32	2,078.27	1,788.25	290.02	7.166		
16,100.00	7,094.07	7,103.93	7,096.07	262.02	246.28	95.10	-1,082.79	-5,699.32	2,178.19	1,888.29	289.90	7.514		
16,200.00	7,094.42	7,103.58	7,096.42	264.84	246.26	95.34	-1,082.79	-5,699.32	2,278.11	1,988.32	289.79	7.861		
16,300.00	7,094.77	7,103.23	7,096.77	267.65	246.25	95.57	-1,082.79	-5,699.32	2,378.05	2,088.35	289.70	8.209		
16,400.00	7,095.12	7,102.88	7,097.12	270.47	246.24	95.80	-1,082.79	-5,699.32	2,477.98	2,188.36	289.62	8.556		
16,500.00	7,095.47	7,102.53	7,097.47	273.30	246.23	96.03	-1,082.79	-5,699.32	2,577.92	2,288.36	289.56	8.903		
16,600.00	7,095.82	7,102.18	7,097.82	276.12	246.21	96.27	-1,082.79	-5,699.32	2,677.87	2,388.36	289.51	9.250		
16,700.00	7,096.18	7,101.82	7,098.18	278.94	246.20	96.50	-1,082.79	-5,699.32	2,777.82	2,488.35	289.47	9.596		
16,800.00	7,096.53	7,101.47	7,098.53	281.76	246.19	96.73	-1,082.79	-5,699.32	2,877.77	2,588.34	289.44	9.943		
16,900.00	7,096.88	7,101.12	7,098.88	284.58	246.18	96.96	-1,082.79	-5,699.32	2,977.73	2,688.32	289.41	10.289		
17,000.00	7,097.23	7,100.77	7,099.23	287.41	246.16	97.19	-1,082.79	-5,699.32	3,077.69	2,788.29	289.40	10.635		
17,100.00	7,097.58	7,100.42	7,099.58	290.23	246.15	97.42	-1,082.79	-5,699.32	3,177.65	2,888.26	289.39	10.981		
17,200.00	7,097.93	7,100.07	7,099.93	293.06	246.14	97.66	-1,082.79	-5,699.32	3,277.62	2,988.23	289.38	11.326		
17,300.00	7,098.29	7,100.29	7,100.29	295.88	246.15	97.89	-1,082.79	-5,699.32	3,377.58	3,088.18	289.40	11.671		
17,400.00	7,098.64	7,100.64	7,100.64	298.71	246.16	98.12	-1,082.79	-5,699.32	3,477.55	3,188.11	289.44	12.015		
17,500.00	7,098.99	7,100.99	7,100.99	301.53	246.17	98.35	-1,082.79	-5,699.32	3,577.52	3,288.05	289.47	12.359		
17,600.00	7,099.34	7,101.34	7,101.34	304.36	246.18	98.58	-1,082.79	-5,699.32	3,677.49	3,387.98	289.51	12.702		
17,700.00	7,099.69	7,101.69	7,101.69	307.19	246.20	98.81	-1,082.79	-5,699.32	3,777.46	3,487.91	289.56	13.046		
17,800.00	7,100.04	7,102.04	7,102.04	310.01	246.21	99.04	-1,082.79	-5,699.32	3,877.44	3,587.83	289.60	13.389		
17,900.00	7,100.40	7,102.40	7,102.40	312.84	246.22	99.27	-1,082.79	-5,699.32	3,977.41	3,687.76	289.66	13.732		
18,000.00	7,100.75	7,102.75	7,102.75	315.67	246.23	99.49	-1,082.79	-5,699.32	4,077.39	3,787.68	289.71	14.074		
18,100.00	7,101.10	7,103.10	7,103.10	318.50	246.25	99.72	-1,082.79	-5,699.32	4,177.37	3,887.60	289.77	14.416		
18,200.00	7,101.45	7,103.45	7,103.45	321.33	246.26	99.95	-1,082.79	-5,699.32	4,277.35	3,987.52	289.83	14.758		
18,300.00	7,101.80	7,103.80	7,103.80	324.16	246.27	100.18	-1,082.79	-5,699.32	4,377.33	4,087.43	289.89	15.100		
18,400.00	7,102.16	7,104.16	7,104.16	326.99	246.28	100.41	-1,082.79	-5,699.32	4,477.31	4,187.35	289.96	15.441		
18,500.00	7,102.51	7,104.51	7,104.51	329.82	246.30	100.63	-1,082.79	-5,699.32	4,577.29	4,287.26	290.03	15.782		
18,600.00	7,102.86	7,104.86	7,104.86	332.65	246.31	100.86	-1,082.79	-5,699.32	4,677.27	4,387.17	290.10	16.123		
18,700.00	7,103.21	7,105.21	7,105.21	335.48	246.32	101.09	-1,082.79	-5,699.32	4,777.25	4,487.08	290.17	16.464		
18,800.00	7,103.56	7,105.56	7,105.56	338.31	246.33	101.31	-1,082.79	-5,699.32	4,877.24	4,586.99	290.24	16.804		
18,900.00	7,103.91	7,105.91	7,105.91	341.14	246.34	101.54	-1,082.79	-5,699.32	4,977.22	4,686.90	290.32	17.144		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
18,924.52	7,104.00	7,106.00	7,106.00	341.83	246.35	101.59	-1,082.79	-5,699.32	5,001.73	4,711.39	290.34	17.227	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-77.65	1,546.76	-7,066.31	7,233.62					
100.00	100.00	140.00	140.00	3.28	4.54	-77.65	1,546.76	-7,066.31	7,233.62	7,225.79	7.83	924.222		
200.00	200.00	240.00	240.00	3.34	7.40	-77.65	1,546.76	-7,066.31	7,233.62	7,222.88	10.74	673.734		
300.00	299.98	339.98	339.98	3.44	10.64	149.34	1,546.76	-7,066.31	7,235.12	7,221.04	14.08	513.783		
400.00	399.84	439.84	439.84	3.59	14.00	149.31	1,546.76	-7,066.31	7,239.62	7,222.03	17.59	411.512		
500.00	499.45	539.45	539.45	3.80	17.40	149.27	1,546.76	-7,066.31	7,247.13	7,225.93	21.19	341.943		
600.00	598.70	638.70	638.70	4.04	20.81	149.21	1,546.76	-7,066.31	7,257.62	7,232.77	24.85	292.044		
700.00	697.47	737.47	737.47	4.32	24.22	149.14	1,546.76	-7,066.31	7,271.09	7,242.55	28.54	254.733		
800.00	795.62	835.62	835.62	4.65	27.62	149.04	1,546.76	-7,066.31	7,287.54	7,255.29	32.26	225.911		
900.00	893.06	933.06	933.06	5.02	31.00	148.93	1,546.76	-7,066.31	7,306.95	7,270.97	35.98	203.061		
993.00	982.91	1,022.91	1,022.91	5.39	34.12	148.81	1,546.76	-7,066.31	7,327.65	7,288.20	39.45	185.739		
1,000.00	989.65	1,029.65	1,029.65	5.42	34.36	148.81	1,546.76	-7,066.31	7,329.30	7,289.59	39.72	184.542		
1,100.00	1,085.84	1,125.84	1,125.84	5.86	37.70	148.92	1,546.76	-7,066.31	7,352.93	7,309.49	43.45	169.242		
1,200.00	1,182.03	1,222.03	1,222.03	6.32	41.05	149.03	1,546.76	-7,066.31	7,376.59	7,329.39	47.20	156.295		
1,300.00	1,278.22	1,318.22	1,318.22	6.79	44.40	149.14	1,546.76	-7,066.31	7,400.27	7,349.30	50.96	145.208		
1,400.00	1,374.42	1,414.42	1,414.42	7.28	47.74	149.25	1,546.76	-7,066.31	7,423.97	7,369.23	54.74	135.614		
1,500.00	1,470.61	1,510.61	1,510.61	7.79	51.10	149.35	1,546.76	-7,066.31	7,447.70	7,389.17	58.53	127.237		
1,600.00	1,566.80	1,606.80	1,606.80	8.30	54.45	149.46	1,546.76	-7,066.31	7,471.46	7,409.12	62.33	119.861		
1,700.00	1,663.00	1,703.00	1,703.00	8.82	57.80	149.56	1,546.76	-7,066.31	7,495.24	7,429.10	66.14	113.321		
1,800.00	1,759.19	1,800.81	1,799.19	9.34	61.21	149.67	1,546.76	-7,066.31	7,519.04	7,449.03	70.01	107.397		
1,900.00	1,855.38	1,904.62	1,895.38	9.87	64.83	149.77	1,546.76	-7,066.31	7,542.87	7,468.77	74.10	101.798		
2,000.00	1,951.58	2,008.42	1,991.58	10.41	68.45	149.87	1,546.76	-7,066.31	7,566.72	7,488.54	78.19	96.779		
2,100.00	2,047.77	2,087.77	2,087.77	10.95	71.21	149.98	1,546.76	-7,066.31	7,590.60	7,509.17	81.43	93.221		
2,200.00	2,143.96	2,183.96	2,183.96	11.49	74.57	150.08	1,546.76	-7,066.31	7,614.49	7,529.24	85.26	89.313		
2,300.00	2,240.16	2,280.16	2,280.16	12.04	77.92	150.18	1,546.76	-7,066.31	7,638.41	7,549.32	89.09	85.739		
2,400.00	2,336.35	2,376.35	2,376.35	12.58	81.28	150.28	1,546.76	-7,066.31	7,662.36	7,569.43	92.93	82.457		
2,500.00	2,432.54	2,472.54	2,472.54	13.13	84.63	150.38	1,546.76	-7,066.31	7,686.32	7,589.56	96.76	79.434		
2,600.00	2,528.74	2,568.74	2,568.74	13.69	87.99	150.48	1,546.76	-7,066.31	7,710.31	7,609.71	100.60	76.641		
2,700.00	2,624.93	2,664.93	2,664.93	14.24	91.35	150.58	1,546.76	-7,066.31	7,734.32	7,629.88	104.44	74.052		
2,800.00	2,721.12	2,761.12	2,761.12	14.80	94.70	150.68	1,546.76	-7,066.31	7,758.36	7,650.07	108.29	71.646		
2,900.00	2,817.32	2,857.32	2,857.32	15.35	98.06	150.78	1,546.76	-7,066.31	7,782.41	7,670.28	112.13	69.404		
3,000.00	2,913.51	2,953.51	2,953.51	15.91	101.41	150.87	1,546.76	-7,066.31	7,806.49	7,690.51	115.98	67.311		
3,100.00	3,009.70	3,049.70	3,049.70	16.47	104.77	150.97	1,546.76	-7,066.31	7,830.58	7,710.76	119.82	65.351		
3,200.00	3,105.90	3,145.90	3,145.90	17.03	108.13	151.06	1,546.76	-7,066.31	7,854.70	7,731.03	123.67	63.514		
3,300.00	3,202.09	3,242.09	3,242.09	17.59	111.48	151.16	1,546.76	-7,066.31	7,878.84	7,751.33	127.52	61.786		
3,400.00	3,298.28	3,338.28	3,338.28	18.15	114.84	151.25	1,546.76	-7,066.31	7,903.00	7,771.64	131.37	60.160		
3,500.00	3,394.48	3,434.48	3,434.48	18.72	118.20	151.35	1,546.76	-7,066.31	7,927.18	7,791.97	135.21	58.627		
3,600.00	3,490.67	3,530.67	3,530.67	19.28	121.55	151.44	1,546.76	-7,066.31	7,951.38	7,812.32	139.06	57.178		
3,700.00	3,586.86	3,626.86	3,626.86	19.84	124.91	151.54	1,546.76	-7,066.31	7,975.61	7,832.69	142.91	55.807		
3,800.00	3,683.06	3,723.06	3,723.06	20.41	128.27	151.63	1,546.76	-7,066.31	7,999.85	7,853.08	146.76	54.508		
3,900.00	3,779.25	3,819.25	3,819.25	20.97	131.63	151.72	1,546.76	-7,066.31	8,024.11	7,873.49	150.61	53.276		
4,000.00	3,875.44	3,915.44	3,915.44	21.54	134.98	151.81	1,546.76	-7,066.31	8,048.39	7,893.92	154.47	52.105		
4,100.00	3,971.64	4,011.64	4,011.64	22.11	138.34	151.90	1,546.76	-7,066.31	8,072.69	7,914.37	158.32	50.991		
4,200.00	4,067.83	4,107.83	4,107.83	22.67	141.70	151.99	1,546.76	-7,066.31	8,097.01	7,934.84	162.17	49.930		
4,300.00	4,164.02	4,204.02	4,204.02	23.24	145.05	152.08	1,546.76	-7,066.31	8,121.35	7,955.33	166.02	48.918		
4,400.00	4,260.22	4,300.22	4,300.22	23.81	148.41	152.17	1,546.76	-7,066.31	8,145.71	7,975.84	169.87	47.952		
4,500.00	4,356.41	4,403.59	4,396.41	24.37	152.02	152.26	1,546.76	-7,066.31	8,170.08	7,996.11	173.98	46.961		
4,600.00	4,452.60	4,507.40	4,492.60	24.94	155.64	152.35	1,546.76	-7,066.31	8,194.48	8,016.39	178.09	46.012		
4,700.00	4,548.79	4,588.79	4,588.79	25.51	158.48	152.44	1,546.76	-7,066.31	8,218.89	8,037.46	181.43	45.301		
4,800.00	4,644.99	4,684.99	4,684.99	26.08	161.84	152.52	1,546.76	-7,066.31	8,243.33	8,058.04	185.28	44.491		
4,900.00	4,741.18	4,781.18	4,781.18	26.65	165.20	152.61	1,546.76	-7,066.31	8,267.78	8,078.64	189.13	43.714		
5,000.00	4,837.37	4,877.37	4,877.37	27.21	168.56	152.70	1,546.76	-7,066.31	8,292.24	8,099.26	192.99	42.968		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,973.57	4,973.57	27.78	171.91	152.78	1,546.76	-7,066.31	8,316.73	8,119.89	196.84	42.251		
5,200.00	5,029.76	5,069.76	5,069.76	28.35	175.27	152.87	1,546.76	-7,066.31	8,341.23	8,140.54	200.69	41.562		
5,300.00	5,125.95	5,165.95	5,165.95	28.92	178.63	152.95	1,546.76	-7,066.31	8,365.75	8,161.21	204.55	40.899		
5,400.00	5,222.15	5,262.15	5,262.15	29.49	181.99	153.04	1,546.76	-7,066.31	8,390.29	8,181.90	208.40	40.261		
5,500.00	5,318.34	5,358.34	5,358.34	30.06	185.34	153.12	1,546.76	-7,066.31	8,414.85	8,202.60	212.25	39.646		
5,600.00	5,414.53	5,454.53	5,454.53	30.63	188.70	153.20	1,546.76	-7,066.31	8,439.42	8,223.32	216.10	39.053		
5,700.00	5,510.73	5,550.73	5,550.73	31.20	192.06	153.29	1,546.76	-7,066.31	8,464.01	8,244.05	219.96	38.480		
5,800.00	5,606.92	5,646.92	5,646.92	31.77	195.42	153.37	1,546.76	-7,066.31	8,488.62	8,264.81	223.81	37.928		
5,900.00	5,703.11	5,743.11	5,743.11	32.34	198.77	153.45	1,546.76	-7,066.31	8,513.24	8,285.58	227.66	37.394		
6,000.00	5,799.31	5,839.31	5,839.31	32.91	202.13	153.53	1,546.76	-7,066.31	8,537.88	8,306.36	231.52	36.878		
6,100.00	5,895.50	5,935.50	5,935.50	33.48	205.49	153.61	1,546.76	-7,066.31	8,562.54	8,327.17	235.37	36.379		
6,200.00	5,991.69	6,031.69	6,031.69	34.05	208.85	153.69	1,546.76	-7,066.31	8,587.21	8,347.99	239.22	35.896		
6,300.00	6,087.89	6,127.89	6,127.89	34.62	212.20	153.77	1,546.76	-7,066.31	8,611.90	8,368.82	243.07	35.429		
6,400.00	6,184.08	6,224.08	6,224.08	35.19	215.56	153.85	1,546.76	-7,066.31	8,636.60	8,389.67	246.93	34.976		
6,500.00	6,280.27	6,320.27	6,320.27	35.77	218.92	153.93	1,546.76	-7,066.31	8,661.32	8,410.54	250.78	34.537		
6,535.30	6,314.23	6,354.23	6,354.23	35.97	220.11	153.96	1,546.76	-7,066.31	8,670.05	8,417.91	252.14	34.386		
6,550.00	6,328.40	6,368.40	6,368.40	36.05	220.60	150.45	1,546.76	-7,066.31	8,673.53	8,420.82	252.71	34.322		
6,600.00	6,377.01	6,417.01	6,417.01	36.31	222.30	135.00	1,546.76	-7,066.31	8,683.00	8,428.35	254.64	34.099		
6,650.00	6,426.00	6,466.00	6,466.00	36.54	224.01	113.89	1,546.76	-7,066.31	8,688.77	8,432.19	256.58	33.864		
6,700.00	6,475.08	6,515.08	6,515.08	36.73	225.72	91.02	1,546.76	-7,066.31	8,690.82	8,432.32	258.50	33.621		
6,750.00	6,523.94	6,563.94	6,563.94	36.90	227.43	72.51	1,546.76	-7,066.31	8,689.13	8,428.75	260.38	33.371		
6,800.00	6,572.28	6,612.28	6,612.28	37.05	229.11	59.93	1,546.76	-7,066.31	8,683.72	8,421.50	262.22	33.116		
6,850.00	6,619.81	6,659.81	6,659.81	37.19	230.77	51.78	1,546.76	-7,066.31	8,674.63	8,410.62	264.00	32.858		
6,900.00	6,666.23	6,706.23	6,706.23	37.32	232.39	46.46	1,546.76	-7,066.31	8,661.91	8,396.19	265.72	32.597		
6,950.00	6,711.25	6,751.25	6,751.25	37.46	233.96	42.97	1,546.76	-7,066.31	8,645.65	8,378.28	267.37	32.336		
7,000.00	6,754.60	6,805.40	6,794.60	37.61	235.85	40.73	1,546.76	-7,066.31	8,625.96	8,356.64	269.32	32.029		
7,050.00	6,796.01	6,836.01	6,836.01	37.77	236.92	39.39	1,546.76	-7,066.31	8,602.96	8,332.53	270.42	31.813		
7,100.00	6,835.22	6,875.22	6,875.22	37.94	238.29	38.77	1,546.76	-7,066.31	8,576.79	8,304.98	271.81	31.554		
7,150.00	6,871.99	6,911.99	6,911.99	38.12	239.58	38.77	1,546.76	-7,066.31	8,547.62	8,274.52	273.10	31.298		
7,200.00	6,906.10	6,946.10	6,946.10	38.34	240.77	39.35	1,546.76	-7,066.31	8,515.64	8,241.35	274.29	31.046		
7,250.00	6,937.34	6,977.34	6,977.34	38.57	241.86	40.51	1,546.76	-7,066.31	8,481.04	8,205.67	275.37	30.799		
7,300.00	6,965.51	7,005.51	7,005.51	38.84	242.84	42.30	1,546.76	-7,066.31	8,444.03	8,167.70	276.34	30.557		
7,350.00	6,990.44	7,030.44	7,030.44	39.14	243.71	44.81	1,546.76	-7,066.31	8,404.86	8,127.66	277.19	30.321		
7,400.00	7,011.97	7,051.97	7,051.97	39.47	244.46	48.20	1,546.76	-7,066.31	8,363.75	8,085.82	277.94	30.092		
7,450.00	7,029.98	7,069.98	7,069.98	39.85	245.09	52.68	1,546.76	-7,066.31	8,320.97	8,042.41	278.56	29.871		
7,500.00	7,044.34	7,084.34	7,084.34	40.26	245.59	58.51	1,546.76	-7,066.31	8,276.78	7,997.71	279.07	29.658		
7,550.00	7,054.99	7,105.02	7,094.99	40.72	246.31	66.00	1,546.76	-7,066.31	8,231.44	7,951.63	279.81	29.418		
7,600.00	7,061.83	7,101.83	7,101.83	41.21	246.20	75.37	1,546.76	-7,066.31	8,185.24	7,905.51	279.73	29.261		
7,650.00	7,064.85	7,104.85	7,104.85	41.73	246.31	86.57	1,546.76	-7,066.31	8,138.46	7,858.57	279.89	29.077		
7,661.89	7,065.00	7,105.00	7,105.00	41.86	246.31	89.45	1,546.76	-7,066.31	8,127.29	7,847.38	279.91	29.035		
7,700.00	7,065.13	7,105.13	7,105.13	42.28	246.32	89.46	1,546.76	-7,066.31	8,091.44	7,811.48	279.96	28.902		
7,800.00	7,065.47	7,105.47	7,105.47	43.53	246.33	89.46	1,546.76	-7,066.31	7,997.49	7,717.36	280.13	28.549		
7,900.00	7,065.82	7,105.82	7,105.82	44.94	246.34	89.47	1,546.76	-7,066.31	7,903.69	7,623.35	280.33	28.194		
8,000.00	7,066.16	7,106.16	7,106.16	46.50	246.35	89.48	1,546.76	-7,066.31	7,810.04	7,529.46	280.58	27.836		
8,100.00	7,066.50	7,106.50	7,106.50	48.19	246.36	89.48	1,546.76	-7,066.31	7,716.54	7,435.68	280.86	27.474		
8,200.00	7,066.85	7,106.85	7,106.85	50.00	246.38	89.49	1,546.76	-7,066.31	7,623.22	7,342.02	281.20	27.110		
8,300.00	7,067.19	7,107.19	7,107.19	51.91	246.39	89.50	1,546.76	-7,066.31	7,530.06	7,248.49	281.57	26.743		
8,400.00	7,067.54	7,107.54	7,107.54	53.92	246.40	89.51	1,546.76	-7,066.31	7,437.09	7,155.09	282.00	26.373		
8,500.00	7,067.88	7,107.88	7,107.88	56.01	246.41	89.51	1,546.76	-7,066.31	7,344.30	7,061.82	282.48	26.000		
8,600.00	7,068.22	7,108.22	7,108.22	58.16	246.42	89.52	1,546.76	-7,066.31	7,251.70	6,968.69	283.00	25.624		
8,700.00	7,068.57	7,108.57	7,108.57	60.38	246.44	89.53	1,546.76	-7,066.31	7,159.29	6,875.71	283.59	25.246		
8,800.00	7,068.91	7,108.91	7,108.91	62.65	246.45	89.53	1,546.76	-7,066.31	7,067.10	6,782.88	284.22	24.865		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,109.25	7,109.25	64.97	246.46	89.54	1,546.76	-7,066.31	6,975.12	6,690.21	284.91	24.481		
9,000.00	7,069.60	7,109.60	7,109.60	67.34	246.47	89.55	1,546.76	-7,066.31	6,883.36	6,597.70	285.66	24.096		
9,100.00	7,069.94	7,109.94	7,109.94	69.74	246.48	89.56	1,546.76	-7,066.31	6,791.84	6,505.37	286.47	23.708		
9,200.00	7,070.28	7,110.28	7,110.28	72.18	246.50	89.56	1,546.76	-7,066.31	6,700.56	6,413.21	287.35	23.319		
9,300.00	7,070.63	7,110.63	7,110.63	74.65	246.51	89.57	1,546.76	-7,066.31	6,609.53	6,321.25	288.28	22.928		
9,400.00	7,070.97	7,110.97	7,110.97	77.15	246.52	89.58	1,546.76	-7,066.31	6,518.77	6,229.49	289.28	22.535		
9,500.00	7,071.32	7,111.32	7,111.32	79.67	246.53	89.58	1,546.76	-7,066.31	6,428.27	6,137.94	290.34	22.141		
9,600.00	7,071.66	7,111.66	7,111.66	82.22	246.54	89.59	1,546.76	-7,066.31	6,338.07	6,046.60	291.46	21.746		
9,700.00	7,072.00	7,112.00	7,112.00	84.78	246.56	89.60	1,546.76	-7,066.31	6,248.16	5,955.50	292.66	21.350		
9,800.00	7,072.35	7,112.35	7,112.35	87.37	246.57	89.61	1,546.76	-7,066.31	6,158.56	5,864.64	293.92	20.953		
9,900.00	7,072.69	7,112.69	7,112.69	89.97	246.58	89.61	1,546.76	-7,066.31	6,069.29	5,774.04	295.26	20.556		
10,000.00	7,073.03	7,113.03	7,113.03	92.59	246.59	89.62	1,546.76	-7,066.31	5,980.36	5,683.70	296.66	20.159		
10,100.00	7,073.38	7,113.38	7,113.38	95.22	246.60	89.63	1,546.76	-7,066.31	5,891.78	5,593.64	298.14	19.762		
10,200.00	7,073.72	7,113.72	7,113.72	97.86	246.62	89.63	1,546.76	-7,066.31	5,803.58	5,503.88	299.70	19.365		
10,300.00	7,074.07	7,114.07	7,114.07	100.52	246.63	89.64	1,546.76	-7,066.31	5,715.76	5,414.44	301.32	18.969		
10,400.00	7,074.41	7,114.41	7,114.41	103.19	246.64	89.65	1,546.76	-7,066.31	5,628.35	5,325.32	303.03	18.574		
10,500.00	7,074.75	7,114.75	7,114.75	105.87	246.65	89.66	1,546.76	-7,066.31	5,541.37	5,236.55	304.82	18.179		
10,600.00	7,075.10	7,115.10	7,115.10	108.55	246.66	89.66	1,546.76	-7,066.31	5,454.83	5,148.14	306.68	17.787		
10,700.00	7,075.44	7,115.44	7,115.44	111.25	246.68	89.67	1,546.76	-7,066.31	5,368.76	5,060.12	308.63	17.395		
10,800.00	7,075.78	7,115.78	7,115.78	113.96	246.69	89.68	1,546.76	-7,066.31	5,283.17	4,972.51	310.67	17.006		
10,900.00	7,076.13	7,116.13	7,116.13	116.67	246.70	89.68	1,546.76	-7,066.31	5,198.11	4,885.32	312.79	16.619		
11,000.00	7,076.47	7,116.47	7,116.47	119.39	246.71	89.69	1,546.76	-7,066.31	5,113.58	4,798.59	315.00	16.234		
11,100.00	7,076.81	7,116.81	7,116.81	122.11	246.72	89.70	1,546.76	-7,066.31	5,029.63	4,712.33	317.30	15.851		
11,200.00	7,077.16	7,117.16	7,117.16	124.85	246.74	89.71	1,546.76	-7,066.31	4,946.26	4,626.57	319.69	15.472		
11,300.00	7,077.50	7,117.50	7,117.50	127.58	246.75	89.71	1,546.76	-7,066.31	4,863.53	4,541.35	322.18	15.096		
11,400.00	7,077.85	7,117.85	7,117.85	130.33	246.76	89.72	1,546.76	-7,066.31	4,781.46	4,456.69	324.76	14.723		
11,500.00	7,078.19	7,118.19	7,118.19	133.08	246.77	89.73	1,546.76	-7,066.31	4,700.08	4,372.63	327.45	14.354		
11,600.00	7,078.53	7,118.53	7,118.53	135.83	246.78	89.73	1,546.76	-7,066.31	4,619.43	4,289.19	330.24	13.988		
11,700.00	7,078.88	7,118.88	7,118.88	138.59	246.80	89.74	1,546.76	-7,066.31	4,539.55	4,206.42	333.13	13.627		
11,800.00	7,079.22	7,119.22	7,119.22	141.35	246.81	89.75	1,546.76	-7,066.31	4,460.48	4,124.35	336.13	13.270		
11,900.00	7,079.56	7,119.56	7,119.56	144.11	246.82	89.76	1,546.76	-7,066.31	4,382.27	4,043.03	339.24	12.918		
12,000.00	7,079.91	7,119.91	7,119.91	146.88	246.83	89.76	1,546.76	-7,066.31	4,304.96	3,962.51	342.46	12.571		
12,100.00	7,080.25	7,120.25	7,120.25	149.66	246.84	89.77	1,546.76	-7,066.31	4,228.61	3,882.82	345.79	12.229		
12,200.00	7,080.60	7,120.60	7,120.60	152.43	246.86	89.78	1,546.76	-7,066.31	4,153.25	3,804.02	349.24	11.892		
12,300.00	7,080.94	7,120.94	7,120.94	155.21	246.87	89.78	1,546.76	-7,066.31	4,078.96	3,726.16	352.80	11.562		
12,400.00	7,081.28	7,121.28	7,121.28	157.99	246.88	89.79	1,546.76	-7,066.31	4,005.78	3,649.30	356.48	11.237		
12,500.00	7,081.63	7,121.63	7,121.63	160.78	246.89	89.80	1,546.76	-7,066.31	3,933.79	3,573.51	360.28	10.919		
12,600.00	7,081.97	7,121.97	7,121.97	163.57	246.90	89.81	1,546.76	-7,066.31	3,863.04	3,498.84	364.20	10.607		
12,700.00	7,082.31	7,122.31	7,122.31	166.36	246.92	89.81	1,546.76	-7,066.31	3,793.61	3,425.37	368.24	10.302		
12,800.00	7,082.66	7,122.66	7,122.66	169.15	246.93	89.82	1,546.76	-7,066.31	3,725.57	3,353.18	372.39	10.004		
12,900.00	7,083.00	7,123.00	7,123.00	171.94	246.94	89.83	1,546.76	-7,066.31	3,659.00	3,282.33	376.66	9.714		
13,000.00	7,083.35	7,123.35	7,123.35	174.74	246.95	89.84	1,546.76	-7,066.31	3,593.98	3,212.93	381.05	9.432		
13,100.00	7,083.69	7,123.69	7,123.69	177.54	246.96	89.84	1,546.76	-7,066.31	3,530.59	3,145.04	385.55	9.157		
13,200.00	7,084.03	7,124.03	7,124.03	180.34	246.98	89.85	1,546.76	-7,066.31	3,468.93	3,078.78	390.15	8.891		
13,300.00	7,084.38	7,124.38	7,124.38	183.14	246.99	89.86	1,546.76	-7,066.31	3,409.08	3,014.23	394.85	8.634		
13,400.00	7,084.72	7,124.72	7,124.72	185.95	247.00	89.86	1,546.76	-7,066.31	3,351.16	2,951.51	399.65	8.385		
13,500.00	7,085.06	7,125.06	7,125.06	188.76	247.01	89.87	1,546.76	-7,066.31	3,295.24	2,890.72	404.53	8.146		
13,600.00	7,085.41	7,125.41	7,125.41	191.56	247.02	89.88	1,546.76	-7,066.31	3,241.45	2,831.97	409.48	7.916		
13,700.00	7,085.75	7,125.75	7,125.75	194.37	247.04	89.89	1,546.76	-7,066.31	3,189.89	2,775.39	414.50	7.696		
13,800.00	7,086.09	7,126.09	7,126.09	197.18	247.05	89.89	1,546.76	-7,066.31	3,140.67	2,721.11	419.56	7.486		
13,900.00	7,086.44	7,126.44	7,126.44	200.00	247.06	89.90	1,546.76	-7,066.31	3,093.90	2,669.24	424.66	7.286		
14,000.00	7,086.78	7,126.78	7,126.78	202.81	247.07	89.91	1,546.76	-7,066.31	3,049.69	2,619.92	429.76	7.096		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,127.13	7,127.13	205.63	247.08	89.91	1,546.76	-7,066.31	3,008.15	2,573.29	434.87	6.917		
14,200.00	7,087.47	7,127.47	7,127.47	208.44	247.10	89.92	1,546.76	-7,066.31	2,969.41	2,529.47	439.94	6.750		
14,300.00	7,087.81	7,127.81	7,127.81	211.26	247.11	89.93	1,546.76	-7,066.31	2,933.56	2,488.60	444.96	6.593		
14,400.00	7,088.16	7,128.16	7,128.16	214.08	247.12	89.94	1,546.76	-7,066.31	2,900.72	2,450.81	449.91	6.447		
14,500.00	7,088.50	7,128.50	7,128.50	216.90	247.13	89.94	1,546.76	-7,066.31	2,870.99	2,416.23	454.75	6.313		
14,600.00	7,088.84	7,128.84	7,128.84	219.72	247.14	89.95	1,546.76	-7,066.31	2,844.46	2,384.99	459.47	6.191		
14,700.00	7,089.19	7,129.19	7,129.19	222.54	247.16	89.96	1,546.76	-7,066.31	2,821.23	2,357.20	464.03	6.080		
14,800.00	7,089.53	7,129.53	7,129.53	225.37	247.17	89.96	1,546.76	-7,066.31	2,801.38	2,332.98	468.40	5.981		
14,900.00	7,089.88	7,129.88	7,129.88	228.19	247.18	89.97	1,546.76	-7,066.31	2,784.98	2,312.41	472.57	5.893		
15,000.00	7,090.22	7,130.22	7,130.22	231.02	247.19	89.98	1,546.76	-7,066.31	2,772.09	2,295.59	476.51	5.818		
15,100.00	7,090.56	7,130.56	7,130.56	233.84	247.20	89.99	1,546.76	-7,066.31	2,762.77	2,282.58	480.19	5.754		
15,200.00	7,090.91	7,130.91	7,130.91	236.67	247.22	89.99	1,546.76	-7,066.31	2,757.04	2,273.45	483.59	5.701		
15,227.29	7,091.00	7,131.00	7,131.00	237.44	247.22	89.99	1,546.76	-7,066.31	2,756.11	2,271.64	484.47	5.689		
15,268.46	7,091.14	7,131.14	7,131.14	238.60	247.22	90.00	1,546.76	-7,066.31	2,755.51	2,269.75	485.75	5.673 CC		
15,300.00	7,091.25	7,131.25	7,131.25	239.49	247.23	90.00	1,546.76	-7,066.31	2,755.86	2,269.16	486.70	5.662 ES		
15,326.57	7,091.35	7,131.35	7,131.35	240.24	247.23	90.01	1,546.76	-7,066.31	2,756.71	2,269.24	487.47	5.655		
15,400.00	7,091.60	7,131.60	7,131.60	242.30	247.24	90.01	1,546.76	-7,066.31	2,760.72	2,271.23	489.48	5.640		
15,500.00	7,091.96	7,131.96	7,131.96	245.12	247.25	90.02	1,546.76	-7,066.31	2,769.31	2,277.36	491.95	5.629 SF		
15,600.00	7,092.31	7,132.31	7,132.31	247.93	247.27	90.03	1,546.76	-7,066.31	2,781.46	2,287.37	494.09	5.629		
15,700.00	7,092.66	7,132.66	7,132.66	250.75	247.28	90.04	1,546.76	-7,066.31	2,797.15	2,301.24	495.91	5.640		
15,800.00	7,093.01	7,133.01	7,133.01	253.56	247.29	90.04	1,546.76	-7,066.31	2,816.29	2,318.89	497.40	5.662		
15,900.00	7,093.36	7,133.36	7,133.36	256.38	247.30	90.05	1,546.76	-7,066.31	2,838.84	2,340.26	498.58	5.694		
16,000.00	7,093.71	7,133.71	7,133.71	259.20	247.31	90.06	1,546.76	-7,066.31	2,864.69	2,365.24	499.46	5.736		
16,100.00	7,094.07	7,134.07	7,134.07	262.02	247.33	90.06	1,546.76	-7,066.31	2,893.78	2,393.74	500.04	5.787		
16,200.00	7,094.42	7,134.42	7,134.42	264.84	247.34	90.07	1,546.76	-7,066.31	2,925.99	2,425.65	500.35	5.848		
16,300.00	7,094.77	7,134.77	7,134.77	267.65	247.35	90.08	1,546.76	-7,066.31	2,961.24	2,460.84	500.40	5.918		
16,400.00	7,095.12	7,135.12	7,135.12	270.47	247.36	90.09	1,546.76	-7,066.31	2,999.40	2,499.20	500.20	5.996		
16,500.00	7,095.47	7,135.47	7,135.47	273.30	247.38	90.09	1,546.76	-7,066.31	3,040.38	2,540.59	499.79	6.083		
16,600.00	7,095.82	7,135.82	7,135.82	276.12	247.39	90.10	1,546.76	-7,066.31	3,084.05	2,584.88	499.17	6.178		
16,700.00	7,096.18	7,136.18	7,136.18	278.94	247.40	90.11	1,546.76	-7,066.31	3,130.31	2,631.95	498.36	6.281		
16,800.00	7,096.53	7,136.53	7,136.53	281.76	247.41	90.12	1,546.76	-7,066.31	3,179.05	2,681.65	497.39	6.391		
16,900.00	7,096.88	7,136.88	7,136.88	284.58	247.43	90.12	1,546.76	-7,066.31	3,230.14	2,733.87	496.28	6.509		
17,000.00	7,097.23	7,137.23	7,137.23	287.41	247.44	90.13	1,546.76	-7,066.31	3,283.49	2,788.46	495.03	6.633		
17,100.00	7,097.58	7,137.58	7,137.58	290.23	247.45	90.14	1,546.76	-7,066.31	3,338.98	2,845.31	493.67	6.764		
17,200.00	7,097.93	7,137.93	7,137.93	293.06	247.46	90.15	1,546.76	-7,066.31	3,396.51	2,904.30	492.21	6.901		
17,300.00	7,098.29	7,138.29	7,138.29	295.88	247.47	90.15	1,546.76	-7,066.31	3,455.97	2,965.31	490.67	7.043		
17,400.00	7,098.64	7,138.64	7,138.64	298.71	247.49	90.16	1,546.76	-7,066.31	3,517.27	3,028.22	489.05	7.192		
17,500.00	7,098.99	7,138.99	7,138.99	301.53	247.50	90.17	1,546.76	-7,066.31	3,580.32	3,092.94	487.39	7.346		
17,600.00	7,099.34	7,139.34	7,139.34	304.36	247.51	90.17	1,546.76	-7,066.31	3,645.02	3,159.35	485.67	7.505		
17,700.00	7,099.69	7,139.69	7,139.69	307.19	247.52	90.18	1,546.76	-7,066.31	3,711.29	3,227.37	483.92	7.669		
17,800.00	7,100.04	7,140.04	7,140.04	310.01	247.54	90.19	1,546.76	-7,066.31	3,779.04	3,296.90	482.14	7.838		
17,900.00	7,100.40	7,140.40	7,140.40	312.84	247.55	90.20	1,546.76	-7,066.31	3,848.20	3,367.85	480.35	8.011		
18,000.00	7,100.75	7,140.75	7,140.75	315.67	247.56	90.20	1,546.76	-7,066.31	3,918.69	3,440.14	478.54	8.189		
18,100.00	7,101.10	7,141.10	7,141.10	318.50	247.57	90.21	1,546.76	-7,066.31	3,990.44	3,513.71	476.73	8.370		
18,200.00	7,101.45	7,141.45	7,141.45	321.33	247.58	90.22	1,546.76	-7,066.31	4,063.38	3,588.46	474.92	8.556		
18,300.00	7,101.80	7,141.80	7,141.80	324.16	247.60	90.23	1,546.76	-7,066.31	4,137.45	3,664.34	473.11	8.745		
18,400.00	7,102.16	7,142.16	7,142.16	326.99	247.61	90.23	1,546.76	-7,066.31	4,212.60	3,741.28	471.32	8.938		
18,500.00	7,102.51	7,142.51	7,142.51	329.82	247.62	90.24	1,546.76	-7,066.31	4,288.76	3,819.22	469.54	9.134		
18,600.00	7,102.86	7,142.86	7,142.86	332.65	247.63	90.25	1,546.76	-7,066.31	4,365.89	3,898.11	467.77	9.333		
18,700.00	7,103.21	7,143.21	7,143.21	335.48	247.65	90.26	1,546.76	-7,066.31	4,443.92	3,977.89	466.03	9.536		
18,800.00	7,103.56	7,143.56	7,143.56	338.31	247.66	90.26	1,546.76	-7,066.31	4,522.82	4,058.51	464.31	9.741		
18,900.00	7,103.91	7,143.91	7,143.91	341.14	247.67	90.27	1,546.76	-7,066.31	4,602.54	4,139.93	462.61	9.949		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
18,924.52	7,104.00	7,144.00	7,144.00	341.83	247.67	90.27	1,546.76	-7,066.31	4,622.21	4,160.01	462.20	10.000	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	30.00	30.00	3.28	3.32	-76.70	1,353.33	-5,723.23	5,881.06					
100.00	100.00	130.00	130.00	3.28	4.31	-76.70	1,353.33	-5,723.23	5,881.06	5,873.47	7.59	774.577		
200.00	200.00	230.00	230.00	3.34	7.09	-76.70	1,353.33	-5,723.23	5,881.06	5,870.63	10.43	564.110		
300.00	299.98	329.98	329.98	3.44	10.31	150.30	1,353.33	-5,723.23	5,882.57	5,868.82	13.75	427.808		
400.00	399.84	429.84	429.84	3.59	13.66	150.28	1,353.33	-5,723.23	5,887.12	5,869.87	17.25	341.210		
500.00	499.45	529.45	529.45	3.80	17.06	150.24	1,353.33	-5,723.23	5,894.70	5,873.84	20.85	282.701		
600.00	598.70	628.70	628.70	4.04	20.47	150.20	1,353.33	-5,723.23	5,905.29	5,880.79	24.51	240.969		
700.00	697.47	727.47	727.47	4.32	23.88	150.14	1,353.33	-5,723.23	5,918.90	5,890.71	28.20	209.905		
800.00	795.62	825.62	825.62	4.65	27.27	150.06	1,353.33	-5,723.23	5,935.52	5,903.61	31.91	185.999		
900.00	893.06	923.06	923.06	5.02	30.65	149.97	1,353.33	-5,723.23	5,955.13	5,919.49	35.64	167.110		
993.00	982.91	1,012.91	1,012.91	5.39	33.77	149.87	1,353.33	-5,723.23	5,976.04	5,936.93	39.10	152.831		
1,000.00	989.65	1,019.65	1,019.65	5.42	34.01	149.88	1,353.33	-5,723.23	5,977.71	5,938.34	39.37	151.845		
1,100.00	1,085.84	1,115.84	1,115.84	5.86	37.35	150.00	1,353.33	-5,723.23	6,001.58	5,958.49	43.10	139.262		
1,200.00	1,182.03	1,212.03	1,212.03	6.32	40.70	150.13	1,353.33	-5,723.23	6,025.49	5,978.65	46.84	128.628		
1,300.00	1,278.22	1,308.22	1,308.22	6.79	44.05	150.26	1,353.33	-5,723.23	6,049.43	5,998.82	50.61	119.532		
1,400.00	1,374.42	1,404.42	1,404.42	7.28	47.40	150.39	1,353.33	-5,723.23	6,073.39	6,019.00	54.39	111.669		
1,500.00	1,470.61	1,500.61	1,500.61	7.79	50.75	150.51	1,353.33	-5,723.23	6,097.39	6,039.21	58.18	104.808		
1,600.00	1,566.80	1,603.20	1,596.80	8.30	54.32	150.64	1,353.33	-5,723.23	6,121.41	6,059.21	62.20	98.419		
1,700.00	1,663.00	1,707.00	1,693.00	8.82	57.94	150.76	1,353.33	-5,723.23	6,145.46	6,079.19	66.27	92.736		
1,800.00	1,759.19	1,789.19	1,789.19	9.34	60.80	150.89	1,353.33	-5,723.23	6,169.53	6,099.94	69.59	88.653		
1,900.00	1,855.38	1,885.38	1,885.38	9.87	64.16	151.01	1,353.33	-5,723.23	6,193.63	6,120.23	73.41	84.372		
2,000.00	1,951.58	1,981.58	1,981.58	10.41	67.51	151.13	1,353.33	-5,723.23	6,217.76	6,140.53	77.23	80.509		
2,100.00	2,047.77	2,077.77	2,077.77	10.95	70.87	151.25	1,353.33	-5,723.23	6,241.92	6,160.86	81.06	77.008		
2,200.00	2,143.96	2,173.96	2,173.96	11.49	74.22	151.37	1,353.33	-5,723.23	6,266.10	6,181.22	84.88	73.820		
2,300.00	2,240.16	2,270.16	2,270.16	12.04	77.58	151.49	1,353.33	-5,723.23	6,290.31	6,201.59	88.72	70.905		
2,400.00	2,336.35	2,366.35	2,366.35	12.58	80.93	151.60	1,353.33	-5,723.23	6,314.54	6,221.99	92.55	68.229		
2,500.00	2,432.54	2,462.54	2,462.54	13.13	84.29	151.72	1,353.33	-5,723.23	6,338.80	6,242.42	96.38	65.766		
2,600.00	2,528.74	2,558.74	2,558.74	13.69	87.64	151.83	1,353.33	-5,723.23	6,363.09	6,262.86	100.22	63.490		
2,700.00	2,624.93	2,654.93	2,654.93	14.24	91.00	151.95	1,353.33	-5,723.23	6,387.39	6,283.33	104.06	61.381		
2,800.00	2,721.12	2,751.12	2,751.12	14.80	94.35	152.06	1,353.33	-5,723.23	6,411.73	6,303.82	107.90	59.422		
2,900.00	2,817.32	2,847.32	2,847.32	15.35	97.71	152.18	1,353.33	-5,723.23	6,436.08	6,324.34	111.74	57.597		
3,000.00	2,913.51	2,943.51	2,943.51	15.91	101.07	152.29	1,353.33	-5,723.23	6,460.46	6,344.88	115.59	55.893		
3,100.00	3,009.70	3,039.70	3,039.70	16.47	104.42	152.40	1,353.33	-5,723.23	6,484.87	6,365.44	119.43	54.299		
3,200.00	3,105.90	3,135.90	3,135.90	17.03	107.78	152.51	1,353.33	-5,723.23	6,509.29	6,386.02	123.27	52.804		
3,300.00	3,202.09	3,232.09	3,232.09	17.59	111.14	152.62	1,353.33	-5,723.23	6,533.74	6,406.62	127.12	51.399		
3,400.00	3,298.28	3,328.28	3,328.28	18.15	114.49	152.73	1,353.33	-5,723.23	6,558.22	6,427.25	130.96	50.076		
3,500.00	3,394.48	3,424.48	3,424.48	18.72	117.85	152.84	1,353.33	-5,723.23	6,582.71	6,447.90	134.81	48.829		
3,600.00	3,490.67	3,520.67	3,520.67	19.28	121.21	152.94	1,353.33	-5,723.23	6,607.23	6,468.57	138.66	47.651		
3,700.00	3,586.86	3,616.86	3,616.86	19.84	124.56	153.05	1,353.33	-5,723.23	6,631.77	6,489.26	142.51	46.537		
3,800.00	3,683.06	3,713.06	3,713.06	20.41	127.92	153.16	1,353.33	-5,723.23	6,656.33	6,509.98	146.35	45.481		
3,900.00	3,779.25	3,809.25	3,809.25	20.97	131.28	153.26	1,353.33	-5,723.23	6,680.91	6,530.71	150.20	44.480		
4,000.00	3,875.44	3,905.44	3,905.44	21.54	134.63	153.37	1,353.33	-5,723.23	6,705.52	6,551.47	154.05	43.528		
4,100.00	3,971.64	4,001.64	4,001.64	22.11	137.99	153.47	1,353.33	-5,723.23	6,730.14	6,572.24	157.90	42.623		
4,200.00	4,067.83	4,102.17	4,097.83	22.67	141.50	153.57	1,353.33	-5,723.23	6,754.79	6,592.89	161.90	41.722		
4,300.00	4,164.02	4,205.98	4,194.02	23.24	145.12	153.67	1,353.33	-5,723.23	6,779.45	6,613.44	166.01	40.837		
4,400.00	4,260.22	4,309.78	4,290.22	23.81	148.75	153.78	1,353.33	-5,723.23	6,804.14	6,634.01	170.13	39.994		
4,500.00	4,356.41	4,386.41	4,386.41	24.37	151.42	153.88	1,353.33	-5,723.23	6,828.85	6,655.55	173.29	39.406		
4,600.00	4,452.60	4,482.60	4,482.60	24.94	154.78	153.98	1,353.33	-5,723.23	6,853.57	6,676.43	177.14	38.689		
4,700.00	4,548.79	4,578.79	4,578.79	25.51	158.13	154.08	1,353.33	-5,723.23	6,878.32	6,697.33	180.99	38.003		
4,800.00	4,644.99	4,674.99	4,674.99	26.08	161.49	154.17	1,353.33	-5,723.23	6,903.08	6,718.24	184.84	37.346		
4,900.00	4,741.18	4,771.18	4,771.18	26.65	164.85	154.27	1,353.33	-5,723.23	6,927.87	6,739.18	188.69	36.715		
5,000.00	4,837.37	4,867.37	4,867.37	27.21	168.21	154.37	1,353.33	-5,723.23	6,952.67	6,760.13	192.54	36.110		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
18,924.52	7,104.00	7,134.00	7,134.00	341.83	247.32	90.40	1,353.33	-5,723.23	5,643.38	5,229.96	413.42	13.651	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,107.75	7,092.25	64.97	246.41	89.47	148.29	-4,371.12	3,950.89	3,667.13	283.76	13.924		
9,000.00	7,069.60	7,107.40	7,092.60	67.34	246.40	89.48	148.29	-4,371.12	3,857.26	3,572.84	284.41	13.562		
9,100.00	7,069.94	7,107.06	7,092.94	69.74	246.38	89.50	148.29	-4,371.12	3,763.95	3,478.80	285.15	13.200		
9,200.00	7,070.28	7,106.72	7,093.28	72.18	246.37	89.51	148.29	-4,371.12	3,671.00	3,385.01	285.98	12.836		
9,300.00	7,070.63	7,106.37	7,093.63	74.65	246.36	89.53	148.29	-4,371.12	3,578.42	3,291.52	286.90	12.473		
9,400.00	7,070.97	7,106.03	7,093.97	77.15	246.35	89.54	148.29	-4,371.12	3,486.26	3,198.33	287.93	12.108		
9,500.00	7,071.32	7,105.68	7,094.32	79.67	246.34	89.55	148.29	-4,371.12	3,394.54	3,105.48	289.06	11.743		
9,600.00	7,071.66	7,105.34	7,094.66	82.22	246.32	89.57	148.29	-4,371.12	3,303.30	3,012.99	290.31	11.379		
9,700.00	7,072.00	7,105.00	7,095.00	84.78	246.31	89.58	148.29	-4,371.12	3,212.58	2,920.90	291.68	11.014		
9,800.00	7,072.35	7,104.65	7,095.35	87.37	246.30	89.60	148.29	-4,371.12	3,122.43	2,829.24	293.19	10.650		
9,900.00	7,072.69	7,104.31	7,095.69	89.97	246.29	89.61	148.29	-4,371.12	3,032.90	2,738.05	294.85	10.286		
10,000.00	7,073.03	7,103.97	7,096.03	92.59	246.28	89.63	148.29	-4,371.12	2,944.04	2,647.39	296.66	9.924		
10,100.00	7,073.38	7,103.62	7,096.38	95.22	246.26	89.64	148.29	-4,371.12	2,855.92	2,557.29	298.63	9.564		
10,200.00	7,073.72	7,103.28	7,096.72	97.86	246.25	89.65	148.29	-4,371.12	2,768.61	2,467.83	300.77	9.205		
10,300.00	7,074.07	7,102.94	7,097.07	100.52	246.24	89.67	148.29	-4,371.12	2,682.18	2,379.07	303.11	8.849		
10,400.00	7,074.41	7,102.59	7,097.41	103.19	246.23	89.68	148.29	-4,371.12	2,596.72	2,291.08	305.64	8.496		
10,500.00	7,074.75	7,102.25	7,097.75	105.87	246.22	89.70	148.29	-4,371.12	2,512.34	2,203.95	308.39	8.147		
10,600.00	7,075.10	7,101.90	7,098.10	108.55	246.20	89.71	148.29	-4,371.12	2,429.15	2,117.79	311.36	7.802		
10,700.00	7,075.44	7,101.56	7,098.44	111.25	246.19	89.73	148.29	-4,371.12	2,347.27	2,032.70	314.57	7.462		
10,800.00	7,075.78	7,101.22	7,098.78	113.96	246.18	89.74	148.29	-4,371.12	2,266.84	1,948.81	318.03	7.128		
10,900.00	7,076.13	7,100.87	7,099.13	116.67	246.17	89.75	148.29	-4,371.12	2,188.02	1,866.27	321.75	6.800		
11,000.00	7,076.47	7,100.53	7,099.47	119.39	246.16	89.77	148.29	-4,371.12	2,111.00	1,785.25	325.75	6.480		
11,100.00	7,076.81	7,100.19	7,099.81	122.11	246.14	89.78	148.29	-4,371.12	2,035.98	1,705.95	330.03	6.169		
11,200.00	7,077.16	7,100.16	7,100.16	124.85	246.14	89.80	148.29	-4,371.12	1,963.19	1,628.58	334.62	5.867		
11,300.00	7,077.50	7,100.50	7,100.50	127.58	246.16	89.81	148.29	-4,371.12	1,892.89	1,553.38	339.50	5.575		
11,400.00	7,077.85	7,100.85	7,100.85	130.33	246.17	89.83	148.29	-4,371.12	1,825.35	1,480.67	344.68	5.296		
11,500.00	7,078.19	7,101.19	7,101.19	133.08	246.18	89.84	148.29	-4,371.12	1,760.91	1,410.78	350.13	5.029		
11,600.00	7,078.53	7,101.53	7,101.53	135.83	246.19	89.86	148.29	-4,371.12	1,699.91	1,344.09	355.82	4.777		
11,700.00	7,078.88	7,101.88	7,101.88	138.59	246.20	89.87	148.29	-4,371.12	1,642.74	1,281.00	361.73	4.541		
11,800.00	7,079.22	7,102.22	7,102.22	141.35	246.22	89.88	148.29	-4,371.12	1,589.81	1,222.00	367.80	4.322		
11,900.00	7,079.56	7,102.56	7,102.56	144.11	246.23	89.90	148.29	-4,371.12	1,541.55	1,167.60	373.95	4.122		
12,000.00	7,079.91	7,102.91	7,102.91	146.88	246.24	89.91	148.29	-4,371.12	1,498.42	1,118.33	380.09	3.942		
12,100.00	7,080.25	7,103.25	7,103.25	149.66	246.25	89.93	148.29	-4,371.12	1,460.87	1,074.76	386.12	3.784		
12,200.00	7,080.60	7,103.60	7,103.60	152.43	246.26	89.94	148.29	-4,371.12	1,429.35	1,037.46	391.89	3.647		
12,300.00	7,080.94	7,103.94	7,103.94	155.21	246.28	89.96	148.29	-4,371.12	1,404.26	1,006.98	397.28	3.535		
12,400.00	7,081.28	7,104.28	7,104.28	157.99	246.29	89.97	148.29	-4,371.12	1,385.94	983.79	402.15	3.446		
12,500.00	7,081.63	7,104.63	7,104.63	160.78	246.30	89.98	148.29	-4,371.12	1,374.67	968.30	406.37	3.383		
12,600.00	7,081.97	7,104.97	7,104.97	163.57	246.31	90.00	148.29	-4,371.12	1,370.62	960.79	409.84	3.344		
12,605.55	7,081.99	7,104.99	7,104.99	163.72	246.31	90.00	148.29	-4,371.12	1,370.61	960.61	410.00	3.343 CC, ES		
12,700.00	7,082.31	7,105.31	7,105.31	166.36	246.32	90.01	148.29	-4,371.12	1,373.86	961.38	412.48	3.331 SF		
12,800.00	7,082.66	7,105.66	7,105.66	169.15	246.34	90.03	148.29	-4,371.12	1,384.34	970.07	414.27	3.342		
12,900.00	7,083.00	7,106.00	7,106.00	171.94	246.35	90.04	148.29	-4,371.12	1,401.88	986.67	415.21	3.376		
13,000.00	7,083.35	7,106.35	7,106.35	174.74	246.36	90.06	148.29	-4,371.12	1,426.24	1,010.88	415.36	3.434		
13,100.00	7,083.69	7,106.69	7,106.69	177.54	246.37	90.07	148.29	-4,371.12	1,457.07	1,042.29	414.78	3.513		
13,200.00	7,084.03	7,107.03	7,107.03	180.34	246.38	90.09	148.29	-4,371.12	1,493.97	1,080.39	413.58	3.612		
13,300.00	7,084.38	7,107.38	7,107.38	183.14	246.40	90.10	148.29	-4,371.12	1,536.50	1,124.65	411.85	3.731		
13,400.00	7,084.72	7,107.72	7,107.72	185.95	246.41	90.11	148.29	-4,371.12	1,584.21	1,174.50	409.71	3.867		
13,500.00	7,085.06	7,108.06	7,108.06	188.76	246.42	90.13	148.29	-4,371.12	1,636.64	1,229.39	407.26	4.019		
13,600.00	7,085.41	7,108.41	7,108.41	191.56	246.43	90.14	148.29	-4,371.12	1,693.37	1,288.79	404.58	4.186		
13,700.00	7,085.75	7,108.75	7,108.75	194.37	246.44	90.16	148.29	-4,371.12	1,753.96	1,352.21	401.75	4.366		
13,800.00	7,086.09	7,109.09	7,109.09	197.18	246.46	90.17	148.29	-4,371.12	1,818.04	1,419.20	398.84	4.558		
13,900.00	7,086.44	7,109.44	7,109.44	200.00	246.47	90.19	148.29	-4,371.12	1,885.25	1,489.35	395.90	4.762		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,109.78	7,109.78	202.81	246.48	90.20	148.29	-4,371.12	1,955.26	1,562.29	392.97	4.976		
14,100.00	7,087.13	7,110.13	7,110.13	205.63	246.49	90.21	148.29	-4,371.12	2,027.79	1,637.71	390.08	5.198		
14,200.00	7,087.47	7,110.47	7,110.47	208.44	246.50	90.23	148.29	-4,371.12	2,102.57	1,715.32	387.25	5.429		
14,300.00	7,087.81	7,110.81	7,110.81	211.26	246.52	90.24	148.29	-4,371.12	2,179.38	1,794.87	384.51	5.668		
14,400.00	7,088.16	7,111.16	7,111.16	214.08	246.53	90.26	148.29	-4,371.12	2,258.00	1,876.15	381.85	5.913		
14,500.00	7,088.50	7,111.50	7,111.50	216.90	246.54	90.27	148.29	-4,371.12	2,338.26	1,958.96	379.30	6.165		
14,600.00	7,088.84	7,111.84	7,111.84	219.72	246.55	90.29	148.29	-4,371.12	2,419.99	2,043.14	376.85	6.422		
14,700.00	7,089.19	7,112.19	7,112.19	222.54	246.56	90.30	148.29	-4,371.12	2,503.05	2,128.54	374.50	6.684		
14,800.00	7,089.53	7,112.53	7,112.53	225.37	246.58	90.32	148.29	-4,371.12	2,587.30	2,215.04	372.26	6.950		
14,900.00	7,089.88	7,112.88	7,112.88	228.19	246.59	90.33	148.29	-4,371.12	2,672.64	2,302.52	370.12	7.221		
15,000.00	7,090.22	7,113.22	7,113.22	231.02	246.60	90.34	148.29	-4,371.12	2,758.97	2,390.89	368.08	7.496		
15,100.00	7,090.56	7,113.56	7,113.56	233.84	246.61	90.36	148.29	-4,371.12	2,846.19	2,480.06	366.13	7.774		
15,200.00	7,090.91	7,113.91	7,113.91	236.67	246.62	90.37	148.29	-4,371.12	2,934.22	2,569.94	364.28	8.055		
15,227.29	7,091.00	7,114.00	7,114.00	237.44	246.63	90.38	148.29	-4,371.12	2,958.38	2,594.59	363.79	8.132		
15,300.00	7,091.25	7,114.25	7,114.25	239.49	246.64	90.42	148.29	-4,371.12	3,023.41	2,660.87	362.54	8.339		
15,326.57	7,091.35	7,114.35	7,114.35	240.24	246.64	90.44	148.29	-4,371.12	3,047.46	2,685.35	362.11	8.416		
15,400.00	7,091.60	7,114.60	7,114.60	242.30	246.65	90.45	148.29	-4,371.12	3,114.29	2,753.31	360.97	8.628		
15,500.00	7,091.96	7,114.96	7,114.96	245.12	246.66	90.46	148.29	-4,371.12	3,205.75	2,846.27	359.48	8.918		
15,600.00	7,092.31	7,115.31	7,115.31	247.93	246.67	90.48	148.29	-4,371.12	3,297.71	2,939.65	358.06	9.210		
15,700.00	7,092.66	7,115.66	7,115.66	250.75	246.68	90.50	148.29	-4,371.12	3,390.13	3,033.41	356.71	9.504		
15,800.00	7,093.01	7,116.01	7,116.01	253.56	246.70	90.51	148.29	-4,371.12	3,482.96	3,127.53	355.43	9.799		
15,900.00	7,093.36	7,116.36	7,116.36	256.38	246.71	90.53	148.29	-4,371.12	3,576.18	3,221.98	354.21	10.096		
16,000.00	7,093.71	7,116.71	7,116.71	259.20	246.72	90.54	148.29	-4,371.12	3,669.76	3,316.72	353.04	10.395		
16,100.00	7,094.07	7,117.07	7,117.07	262.02	246.73	90.56	148.29	-4,371.12	3,763.67	3,411.74	351.93	10.694		
16,200.00	7,094.42	7,117.42	7,117.42	264.84	246.75	90.57	148.29	-4,371.12	3,857.88	3,507.01	350.87	10.995		
16,300.00	7,094.77	7,117.77	7,117.77	267.65	246.76	90.59	148.29	-4,371.12	3,952.38	3,602.52	349.86	11.297		
16,400.00	7,095.12	7,118.12	7,118.12	270.47	246.77	90.61	148.29	-4,371.12	4,047.15	3,698.25	348.90	11.600		
16,500.00	7,095.47	7,118.47	7,118.47	273.30	246.78	90.62	148.29	-4,371.12	4,142.16	3,794.18	347.98	11.904		
16,600.00	7,095.82	7,118.82	7,118.82	276.12	246.79	90.64	148.29	-4,371.12	4,237.39	3,890.30	347.10	12.208		
16,700.00	7,096.18	7,119.18	7,119.18	278.94	246.81	90.65	148.29	-4,371.12	4,332.85	3,986.59	346.25	12.513		
16,800.00	7,096.53	7,119.53	7,119.53	281.76	246.82	90.67	148.29	-4,371.12	4,428.50	4,083.05	345.45	12.820		
16,900.00	7,096.88	7,119.88	7,119.88	284.58	246.83	90.68	148.29	-4,371.12	4,524.34	4,179.67	344.68	13.126		
17,000.00	7,097.23	7,120.23	7,120.23	287.41	246.84	90.70	148.29	-4,371.12	4,620.36	4,276.42	343.94	13.434		
17,100.00	7,097.58	7,120.58	7,120.58	290.23	246.86	90.72	148.29	-4,371.12	4,716.55	4,373.31	343.23	13.742		
17,200.00	7,097.93	7,120.93	7,120.93	293.06	246.87	90.73	148.29	-4,371.12	4,812.88	4,470.33	342.56	14.050		
17,300.00	7,098.29	7,121.29	7,121.29	295.88	246.88	90.75	148.29	-4,371.12	4,909.37	4,567.46	341.91	14.359		
17,400.00	7,098.64	7,121.64	7,121.64	298.71	246.89	90.76	148.29	-4,371.12	5,005.99	4,664.71	341.28	14.668		
17,500.00	7,098.99	7,121.99	7,121.99	301.53	246.91	90.78	148.29	-4,371.12	5,102.75	4,762.06	340.68	14.978		
17,600.00	7,099.34	7,122.34	7,122.34	304.36	246.92	90.80	148.29	-4,371.12	5,199.62	4,859.51	340.11	15.288		
17,700.00	7,099.69	7,122.69	7,122.69	307.19	246.93	90.81	148.29	-4,371.12	5,296.62	4,957.06	339.56	15.598		
17,800.00	7,100.04	7,123.04	7,123.04	310.01	246.94	90.83	148.29	-4,371.12	5,393.72	5,054.69	339.03	15.909		
17,900.00	7,100.40	7,123.40	7,123.40	312.84	246.95	90.84	148.29	-4,371.12	5,490.92	5,152.40	338.52	16.220		
18,000.00	7,100.75	7,123.75	7,123.75	315.67	246.97	90.86	148.29	-4,371.12	5,588.23	5,250.20	338.03	16.532		
18,100.00	7,101.10	7,124.10	7,124.10	318.50	246.98	90.87	148.29	-4,371.12	5,685.63	5,348.07	337.56	16.843		
18,200.00	7,101.45	7,124.45	7,124.45	321.33	246.99	90.89	148.29	-4,371.12	5,783.12	5,446.01	337.11	17.155		
18,300.00	7,101.80	7,124.80	7,124.80	324.16	247.00	90.91	148.29	-4,371.12	5,880.69	5,544.01	336.68	17.467		
18,400.00	7,102.16	7,125.16	7,125.16	326.99	247.02	90.92	148.29	-4,371.12	5,978.34	5,642.08	336.26	17.779		
18,500.00	7,102.51	7,125.51	7,125.51	329.82	247.03	90.94	148.29	-4,371.12	6,076.07	5,740.21	335.85	18.091		
18,600.00	7,102.86	7,125.86	7,125.86	332.65	247.04	90.95	148.29	-4,371.12	6,173.87	5,838.40	335.47	18.404		
18,700.00	7,103.21	7,126.21	7,126.21	335.48	247.05	90.97	148.29	-4,371.12	6,271.74	5,936.64	335.09	18.716		
18,800.00	7,103.56	7,126.56	7,126.56	338.31	247.07	90.98	148.29	-4,371.12	6,369.67	6,034.94	334.73	19.029		
18,900.00	7,103.91	7,126.91	7,126.91	341.14	247.08	91.00	148.29	-4,371.12	6,467.67	6,133.29	334.39	19.342		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	7,127.00	7,127.00	341.83	247.08	91.00	148.29	-4,371.12	6,491.71	6,157.40	334.30	19.419	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	32.00	32.00	3.28	3.33	-92.42	-379.79	-8,977.43	8,985.46					
100.00	100.00	132.00	132.00	3.28	4.35	-92.42	-379.79	-8,977.43	8,985.46	8,977.82	7.64	1,176.385		
200.00	200.00	232.00	232.00	3.34	7.15	-92.42	-379.79	-8,977.43	8,985.46	8,974.97	10.49	856.791		
300.00	299.98	331.98	331.98	3.44	10.38	134.57	-379.79	-8,977.43	8,986.69	8,972.87	13.82	650.428		
400.00	399.84	431.84	431.84	3.59	13.73	134.54	-379.79	-8,977.43	8,990.36	8,973.04	17.32	519.057		
500.00	499.45	531.45	531.45	3.80	17.12	134.49	-379.79	-8,977.43	8,996.48	8,975.56	20.92	430.073		
600.00	598.70	630.70	630.70	4.04	20.54	134.42	-379.79	-8,977.43	9,005.05	8,980.48	24.57	366.438		
700.00	697.47	729.47	729.47	4.32	23.95	134.34	-379.79	-8,977.43	9,016.06	8,987.79	28.27	318.944		
800.00	795.62	827.62	827.62	4.65	27.34	134.23	-379.79	-8,977.43	9,029.51	8,997.52	31.99	282.287		
900.00	893.06	925.06	925.06	5.02	30.72	134.10	-379.79	-8,977.43	9,045.39	9,009.67	35.72	253.232		
993.00	982.91	1,014.91	1,014.91	5.39	33.84	133.96	-379.79	-8,977.43	9,062.34	9,023.14	39.20	231.195		
1,000.00	989.65	1,021.65	1,021.65	5.42	34.08	133.97	-379.79	-8,977.43	9,063.69	9,024.23	39.46	229.680		
1,100.00	1,085.84	1,117.84	1,117.84	5.86	37.42	134.09	-379.79	-8,977.43	9,083.06	9,039.85	43.21	210.205		
1,200.00	1,182.03	1,214.03	1,214.03	6.32	40.77	134.21	-379.79	-8,977.43	9,102.47	9,055.49	46.98	193.749		
1,300.00	1,278.22	1,310.22	1,310.22	6.79	44.12	134.33	-379.79	-8,977.43	9,121.93	9,071.16	50.77	179.678		
1,400.00	1,374.42	1,406.42	1,406.42	7.28	47.47	134.45	-379.79	-8,977.43	9,141.42	9,086.85	54.57	167.518		
1,500.00	1,470.61	1,502.61	1,502.61	7.79	50.82	134.57	-379.79	-8,977.43	9,160.95	9,102.57	58.38	156.912		
1,600.00	1,566.80	1,601.20	1,598.80	8.30	54.25	134.69	-379.79	-8,977.43	9,180.52	9,118.24	62.29	147.388		
1,700.00	1,663.00	1,705.00	1,695.00	8.82	57.87	134.81	-379.79	-8,977.43	9,200.14	9,133.75	66.38	138.590		
1,800.00	1,759.19	1,808.81	1,791.19	9.34	61.49	134.93	-379.79	-8,977.43	9,219.79	9,149.30	70.49	130.804		
1,900.00	1,855.38	1,887.38	1,887.38	9.87	64.23	135.04	-379.79	-8,977.43	9,239.48	9,165.76	73.71	125.343		
2,000.00	1,951.58	1,983.58	1,983.58	10.41	67.58	135.16	-379.79	-8,977.43	9,259.21	9,181.65	77.56	119.382		
2,100.00	2,047.77	2,079.77	2,079.77	10.95	70.94	135.28	-379.79	-8,977.43	9,278.97	9,197.56	81.41	113.978		
2,200.00	2,143.96	2,175.96	2,175.96	11.49	74.29	135.39	-379.79	-8,977.43	9,298.78	9,213.52	85.26	109.059		
2,300.00	2,240.16	2,272.16	2,272.16	12.04	77.64	135.51	-379.79	-8,977.43	9,318.62	9,229.50	89.12	104.563		
2,400.00	2,336.35	2,368.35	2,368.35	12.58	81.00	135.62	-379.79	-8,977.43	9,338.51	9,245.53	92.98	100.437		
2,500.00	2,432.54	2,464.54	2,464.54	13.13	84.36	135.74	-379.79	-8,977.43	9,358.43	9,261.59	96.84	96.639		
2,600.00	2,528.74	2,560.74	2,560.74	13.69	87.71	135.85	-379.79	-8,977.43	9,378.38	9,277.68	100.70	93.130		
2,700.00	2,624.93	2,656.93	2,656.93	14.24	91.07	135.97	-379.79	-8,977.43	9,398.38	9,293.81	104.57	89.880		
2,800.00	2,721.12	2,753.12	2,753.12	14.80	94.42	136.08	-379.79	-8,977.43	9,418.41	9,309.98	108.43	86.861		
2,900.00	2,817.32	2,849.32	2,849.32	15.35	97.78	136.19	-379.79	-8,977.43	9,438.47	9,326.18	112.30	84.049		
3,000.00	2,913.51	2,945.51	2,945.51	15.91	101.14	136.31	-379.79	-8,977.43	9,458.58	9,342.41	116.17	81.423		
3,100.00	3,009.70	3,041.70	3,041.70	16.47	104.49	136.42	-379.79	-8,977.43	9,478.72	9,358.68	120.03	78.967		
3,200.00	3,105.90	3,137.90	3,137.90	17.03	107.85	136.53	-379.79	-8,977.43	9,498.89	9,374.99	123.90	76.664		
3,300.00	3,202.09	3,234.09	3,234.09	17.59	111.21	136.64	-379.79	-8,977.43	9,519.10	9,391.33	127.77	74.500		
3,400.00	3,298.28	3,330.28	3,330.28	18.15	114.56	136.75	-379.79	-8,977.43	9,539.35	9,407.71	131.64	72.464		
3,500.00	3,394.48	3,426.48	3,426.48	18.72	117.92	136.86	-379.79	-8,977.43	9,559.63	9,424.12	135.51	70.544		
3,600.00	3,490.67	3,522.67	3,522.67	19.28	121.28	136.97	-379.79	-8,977.43	9,579.95	9,440.57	139.39	68.730		
3,700.00	3,586.86	3,618.86	3,618.86	19.84	124.63	137.08	-379.79	-8,977.43	9,600.30	9,457.05	143.26	67.015		
3,800.00	3,683.06	3,715.06	3,715.06	20.41	127.99	137.19	-379.79	-8,977.43	9,620.69	9,473.56	147.13	65.389		
3,900.00	3,779.25	3,811.25	3,811.25	20.97	131.35	137.30	-379.79	-8,977.43	9,641.11	9,490.11	151.00	63.848		
4,000.00	3,875.44	3,907.44	3,907.44	21.54	134.70	137.41	-379.79	-8,977.43	9,661.57	9,506.69	154.87	62.384		
4,100.00	3,971.64	4,003.64	4,003.64	22.11	138.06	137.51	-379.79	-8,977.43	9,682.05	9,523.31	158.75	60.991		
4,200.00	4,067.83	4,100.17	4,099.83	22.67	141.43	137.62	-379.79	-8,977.43	9,702.58	9,539.95	162.63	59.660		
4,300.00	4,164.02	4,203.98	4,196.02	23.24	145.05	137.73	-379.79	-8,977.43	9,723.13	9,556.36	166.77	58.303		
4,400.00	4,260.22	4,307.78	4,292.22	23.81	148.68	137.83	-379.79	-8,977.43	9,743.72	9,572.81	170.91	57.011		
4,500.00	4,356.41	4,388.41	4,388.41	24.37	151.49	137.94	-379.79	-8,977.43	9,764.34	9,590.11	174.24	56.040		
4,600.00	4,452.60	4,484.60	4,484.60	24.94	154.85	138.05	-379.79	-8,977.43	9,785.00	9,606.89	178.11	54.938		
4,700.00	4,548.79	4,580.79	4,580.79	25.51	158.20	138.15	-379.79	-8,977.43	9,805.69	9,623.70	181.98	53.882		
4,800.00	4,644.99	4,676.99	4,676.99	26.08	161.56	138.26	-379.79	-8,977.43	9,826.41	9,640.55	185.86	52.871		
4,900.00	4,741.18	4,773.18	4,773.18	26.65	164.92	138.36	-379.79	-8,977.43	9,847.16	9,657.43	189.73	51.901		
5,000.00	4,837.37	4,869.37	4,869.37	27.21	168.28	138.46	-379.79	-8,977.43	9,867.95	9,674.34	193.60	50.970		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	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)					
5,100.00	4,933.57	4,965.57	4,965.57	27.78	171.63	138.57	-379.79	-8,977.43	9,888.76	9,691.29	197.48	50.076				
5,200.00	5,029.76	5,061.76	5,061.76	28.35	174.99	138.67	-379.79	-8,977.43	9,909.61	9,708.26	201.35	49.216				
5,300.00	5,125.95	5,157.95	5,157.95	28.92	178.35	138.77	-379.79	-8,977.43	9,930.49	9,725.27	205.22	48.389				
5,400.00	5,222.15	5,254.15	5,254.15	29.49	181.71	138.87	-379.79	-8,977.43	9,951.40	9,742.31	209.10	47.593				
5,500.00	5,318.34	5,350.34	5,350.34	30.06	185.06	138.98	-379.79	-8,977.43	9,972.34	9,759.37	212.97	46.825				
5,600.00	5,414.53	5,446.53	5,446.53	30.63	188.42	139.08	-379.79	-8,977.43	9,993.32	9,776.47	216.84	46.086				
7,250.00	6,937.34	6,969.34	6,969.34	38.57	241.58	20.79	-379.79	-8,977.43	9,962.11	9,685.86	276.25	36.061				
7,300.00	6,965.51	7,002.49	6,997.51	38.84	242.73	20.98	-379.79	-8,977.43	9,921.74	9,644.35	277.39	35.768				
7,350.00	6,990.44	7,022.44	7,022.44	39.14	243.43	21.61	-379.79	-8,977.43	9,879.20	9,601.15	278.06	35.529				
7,400.00	7,011.97	7,043.97	7,043.97	39.47	244.18	22.78	-379.79	-8,977.43	9,834.77	9,555.99	278.78	35.278				
7,450.00	7,029.98	7,061.98	7,061.98	39.85	244.81	24.76	-379.79	-8,977.43	9,788.70	9,509.33	279.38	35.038				
7,500.00	7,044.34	7,076.34	7,076.34	40.26	245.31	28.09	-379.79	-8,977.43	9,741.30	9,461.45	279.85	34.809				
7,550.00	7,054.99	7,086.99	7,086.99	40.72	245.68	34.08	-379.79	-8,977.43	9,692.84	9,412.64	280.20	34.593				
7,600.00	7,061.83	7,106.17	7,093.83	41.21	246.35	46.41	-379.79	-8,977.43	9,643.63	9,362.78	280.85	34.338				
7,650.00	7,064.85	7,103.15	7,096.85	41.73	246.25	76.28	-379.79	-8,977.43	9,593.96	9,313.23	280.73	34.175				
7,661.89	7,065.00	7,103.00	7,097.00	41.86	246.24	87.70	-379.79	-8,977.43	9,582.12	9,301.39	280.73	34.133				
7,700.00	7,065.13	7,102.87	7,097.13	42.28	246.24	87.71	-379.79	-8,977.43	9,544.15	9,263.43	280.72	33.999				
7,800.00	7,065.47	7,102.53	7,097.47	43.53	246.23	87.74	-379.79	-8,977.43	9,444.52	9,163.82	280.70	33.646				
7,900.00	7,065.82	7,102.18	7,097.82	44.94	246.21	87.76	-379.79	-8,977.43	9,344.90	9,064.22	280.68	33.293				
8,000.00	7,066.16	7,101.84	7,098.16	46.50	246.20	87.79	-379.79	-8,977.43	9,245.29	8,964.62	280.67	32.940				
8,100.00	7,066.50	7,101.50	7,098.50	48.19	246.19	87.81	-379.79	-8,977.43	9,145.69	8,865.02	280.66	32.586				
8,200.00	7,066.85	7,101.15	7,098.85	50.00	246.18	87.83	-379.79	-8,977.43	9,046.09	8,765.44	280.66	32.232				
8,300.00	7,067.19	7,100.81	7,099.19	51.91	246.17	87.86	-379.79	-8,977.43	8,946.51	8,665.85	280.66	31.877				
8,400.00	7,067.54	7,100.47	7,099.54	53.92	246.15	87.88	-379.79	-8,977.43	8,846.93	8,566.27	280.66	31.522				
8,500.00	7,067.88	7,100.12	7,099.88	56.01	246.14	87.91	-379.79	-8,977.43	8,747.37	8,466.70	280.66	31.167				
8,600.00	7,068.22	7,100.22	7,100.22	58.16	246.15	87.93	-379.79	-8,977.43	8,647.81	8,367.12	280.69	30.809				
8,700.00	7,068.57	7,100.57	7,100.57	60.38	246.16	87.95	-379.79	-8,977.43	8,548.27	8,267.54	280.73	30.450				
8,800.00	7,068.91	7,100.91	7,100.91	62.65	246.17	87.98	-379.79	-8,977.43	8,448.73	8,167.96	280.77	30.091				
8,900.00	7,069.25	7,101.25	7,101.25	64.97	246.18	88.00	-379.79	-8,977.43	8,349.21	8,068.39	280.82	29.732				
9,000.00	7,069.60	7,101.60	7,101.60	67.34	246.19	88.03	-379.79	-8,977.43	8,249.70	7,968.82	280.87	29.372				
9,100.00	7,069.94	7,101.94	7,101.94	69.74	246.21	88.05	-379.79	-8,977.43	8,150.20	7,869.26	280.93	29.011				
9,200.00	7,070.28	7,102.28	7,102.28	72.18	246.22	88.07	-379.79	-8,977.43	8,050.71	7,769.71	281.00	28.651				
9,300.00	7,070.63	7,102.63	7,102.63	74.65	246.23	88.10	-379.79	-8,977.43	7,951.23	7,670.17	281.07	28.290				
9,400.00	7,070.97	7,102.97	7,102.97	77.15	246.24	88.12	-379.79	-8,977.43	7,851.77	7,570.63	281.14	27.928				
9,500.00	7,071.32	7,103.32	7,103.32	79.67	246.25	88.15	-379.79	-8,977.43	7,752.32	7,471.10	281.22	27.566				
9,600.00	7,071.66	7,103.66	7,103.66	82.22	246.27	88.17	-379.79	-8,977.43	7,652.89	7,371.58	281.31	27.204				
9,700.00	7,072.00	7,104.00	7,104.00	84.78	246.28	88.19	-379.79	-8,977.43	7,553.47	7,272.06	281.41	26.842				
9,800.00	7,072.35	7,104.35	7,104.35	87.37	246.29	88.22	-379.79	-8,977.43	7,454.07	7,172.55	281.51	26.478				
9,900.00	7,072.69	7,104.69	7,104.69	89.97	246.30	88.24	-379.79	-8,977.43	7,354.68	7,073.06	281.63	26.115				
10,000.00	7,073.03	7,105.03	7,105.03	92.59	246.31	88.27	-379.79	-8,977.43	7,255.31	6,973.56	281.75	25.751				
10,100.00	7,073.38	7,105.38	7,105.38	95.22	246.33	88.29	-379.79	-8,977.43	7,155.96	6,874.08	281.88	25.387				
10,200.00	7,073.72	7,105.72	7,105.72	97.86	246.34	88.31	-379.79	-8,977.43	7,056.63	6,774.61	282.02	25.022				
10,300.00	7,074.07	7,106.07	7,106.07	100.52	246.35	88.34	-379.79	-8,977.43	6,957.31	6,675.14	282.17	24.657				
10,400.00	7,074.41	7,106.41	7,106.41	103.19	246.36	88.36	-379.79	-8,977.43	6,858.02	6,575.69	282.33	24.291				
10,500.00	7,074.75	7,106.75	7,106.75	105.87	246.37	88.39	-379.79	-8,977.43	6,758.74	6,476.24	282.50	23.925				
10,600.00	7,075.10	7,107.10	7,107.10	108.55	246.39	88.41	-379.79	-8,977.43	6,659.49	6,376.81	282.68	23.558				
10,700.00	7,075.44	7,107.44	7,107.44	111.25	246.40	88.43	-379.79	-8,977.43	6,560.26	6,277.38	282.88	23.191				
10,800.00	7,075.78	7,107.78	7,107.78	113.96	246.41	88.46	-379.79	-8,977.43	6,461.05	6,177.97	283.09	22.824				
10,900.00	7,076.13	7,108.13	7,108.13	116.67	246.42	88.48	-379.79	-8,977.43	6,361.87	6,078.56	283.31	22.456				
11,000.00	7,076.47	7,108.47	7,108.47	119.39	246.43	88.51	-379.79	-8,977.43	6,262.72	5,979.17	283.55	22.087				
11,100.00	7,076.81	7,108.81	7,108.81	122.11	246.45	88.53	-379.79	-8,977.43	6,163.59	5,879.79	283.80	21.718				
11,200.00	7,077.16	7,109.16	7,109.16	124.85	246.46	88.55	-379.79	-8,977.43	6,064.49	5,780.42	284.07	21.348				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,300.00	7,077.50	7,109.50	7,109.50	127.58	246.47	88.58	-379.79	-8,977.43	5,965.42	5,681.06	284.36	20.978		
11,400.00	7,077.85	7,109.85	7,109.85	130.33	246.48	88.60	-379.79	-8,977.43	5,866.38	5,581.71	284.67	20.608		
11,500.00	7,078.19	7,110.19	7,110.19	133.08	246.49	88.63	-379.79	-8,977.43	5,767.38	5,482.38	285.00	20.236		
11,600.00	7,078.53	7,110.53	7,110.53	135.83	246.51	88.65	-379.79	-8,977.43	5,668.41	5,383.06	285.35	19.865		
11,700.00	7,078.88	7,110.88	7,110.88	138.59	246.52	88.67	-379.79	-8,977.43	5,569.47	5,283.75	285.72	19.493		
11,800.00	7,079.22	7,111.22	7,111.22	141.35	246.53	88.70	-379.79	-8,977.43	5,470.58	5,184.46	286.12	19.120		
11,900.00	7,079.56	7,111.56	7,111.56	144.11	246.54	88.72	-379.79	-8,977.43	5,371.73	5,085.18	286.54	18.747		
12,000.00	7,079.91	7,111.91	7,111.91	146.88	246.55	88.75	-379.79	-8,977.43	5,272.92	4,985.92	286.99	18.373		
12,100.00	7,080.25	7,112.25	7,112.25	149.66	246.57	88.77	-379.79	-8,977.43	5,174.15	4,886.68	287.47	17.999		
12,200.00	7,080.60	7,112.60	7,112.60	152.43	246.58	88.79	-379.79	-8,977.43	5,075.44	4,787.45	287.99	17.624		
12,300.00	7,080.94	7,112.94	7,112.94	155.21	246.59	88.82	-379.79	-8,977.43	4,976.77	4,688.24	288.53	17.249		
12,400.00	7,081.28	7,113.28	7,113.28	157.99	246.60	88.84	-379.79	-8,977.43	4,878.16	4,589.05	289.11	16.873		
12,500.00	7,081.63	7,113.63	7,113.63	160.78	246.61	88.87	-379.79	-8,977.43	4,779.61	4,489.87	289.73	16.496		
12,600.00	7,081.97	7,113.97	7,113.97	163.57	246.63	88.89	-379.79	-8,977.43	4,681.12	4,390.72	290.40	16.120		
12,700.00	7,082.31	7,114.31	7,114.31	166.36	246.64	88.92	-379.79	-8,977.43	4,582.69	4,291.59	291.10	15.743		
12,800.00	7,082.66	7,114.66	7,114.66	169.15	246.65	88.94	-379.79	-8,977.43	4,484.33	4,192.48	291.85	15.365		
12,900.00	7,083.00	7,115.00	7,115.00	171.94	246.66	88.96	-379.79	-8,977.43	4,386.05	4,093.40	292.66	14.987		
13,000.00	7,083.35	7,115.35	7,115.35	174.74	246.67	88.99	-379.79	-8,977.43	4,287.85	3,994.34	293.51	14.609		
13,100.00	7,083.69	7,115.69	7,115.69	177.54	246.69	89.01	-379.79	-8,977.43	4,189.73	3,895.30	294.43	14.230		
13,200.00	7,084.03	7,116.03	7,116.03	180.34	246.70	89.04	-379.79	-8,977.43	4,091.70	3,796.30	295.40	13.851		
13,300.00	7,084.38	7,116.38	7,116.38	183.14	246.71	89.06	-379.79	-8,977.43	3,993.78	3,697.33	296.45	13.472		
13,400.00	7,084.72	7,116.72	7,116.72	185.95	246.72	89.08	-379.79	-8,977.43	3,895.95	3,598.39	297.57	13.093		
13,500.00	7,085.06	7,117.06	7,117.06	188.76	246.73	89.11	-379.79	-8,977.43	3,798.24	3,499.48	298.76	12.713		
13,600.00	7,085.41	7,117.41	7,117.41	191.56	246.75	89.13	-379.79	-8,977.43	3,700.65	3,400.62	300.04	12.334		
13,700.00	7,085.75	7,117.75	7,117.75	194.37	246.76	89.16	-379.79	-8,977.43	3,603.20	3,301.79	301.41	11.955		
13,800.00	7,086.09	7,118.09	7,118.09	197.18	246.77	89.18	-379.79	-8,977.43	3,505.89	3,203.01	302.87	11.575		
13,900.00	7,086.44	7,118.44	7,118.44	200.00	246.78	89.20	-379.79	-8,977.43	3,408.73	3,104.28	304.45	11.197		
14,000.00	7,086.78	7,118.78	7,118.78	202.81	246.79	89.23	-379.79	-8,977.43	3,311.74	3,005.61	306.13	10.818		
14,100.00	7,087.13	7,119.13	7,119.13	205.63	246.81	89.25	-379.79	-8,977.43	3,214.94	2,906.99	307.95	10.440		
14,200.00	7,087.47	7,119.47	7,119.47	208.44	246.82	89.28	-379.79	-8,977.43	3,118.34	2,808.44	309.90	10.062		
14,300.00	7,087.81	7,119.81	7,119.81	211.26	246.83	89.30	-379.79	-8,977.43	3,021.96	2,709.96	312.00	9.686		
14,400.00	7,088.16	7,120.16	7,120.16	214.08	246.84	89.32	-379.79	-8,977.43	2,925.82	2,611.56	314.26	9.310		
14,500.00	7,088.50	7,120.50	7,120.50	216.90	246.85	89.35	-379.79	-8,977.43	2,829.95	2,513.25	316.70	8.936		
14,600.00	7,088.84	7,120.84	7,120.84	219.72	246.87	89.37	-379.79	-8,977.43	2,734.38	2,415.05	319.33	8.563		
14,700.00	7,089.19	7,121.19	7,121.19	222.54	246.88	89.40	-379.79	-8,977.43	2,639.13	2,316.95	322.18	8.192		
14,800.00	7,089.53	7,121.53	7,121.53	225.37	246.89	89.42	-379.79	-8,977.43	2,544.25	2,218.99	325.26	7.822		
14,900.00	7,089.88	7,121.88	7,121.88	228.19	246.90	89.44	-379.79	-8,977.43	2,449.77	2,121.17	328.61	7.455		
15,000.00	7,090.22	7,122.22	7,122.22	231.02	246.91	89.47	-379.79	-8,977.43	2,355.76	2,023.52	332.24	7.091		
15,100.00	7,090.56	7,122.56	7,122.56	233.84	246.93	89.49	-379.79	-8,977.43	2,262.25	1,926.06	336.19	6.729		
15,200.00	7,090.91	7,122.91	7,122.91	236.67	246.94	89.52	-379.79	-8,977.43	2,169.33	1,828.83	340.50	6.371		
15,227.29	7,091.00	7,123.00	7,123.00	237.44	246.94	89.52	-379.79	-8,977.43	2,144.08	1,802.34	341.74	6.274		
15,300.00	7,091.25	7,123.25	7,123.25	239.49	246.95	89.56	-379.79	-8,977.43	2,077.43	1,732.13	345.30	6.016		
15,326.57	7,091.35	7,123.35	7,123.35	240.24	246.95	89.58	-379.79	-8,977.43	2,053.37	1,706.66	346.71	5.922		
15,400.00	7,091.60	7,123.60	7,123.60	242.30	246.96	89.59	-379.79	-8,977.43	1,987.36	1,636.53	350.83	5.665		
15,500.00	7,091.96	7,123.96	7,123.96	245.12	246.97	89.62	-379.79	-8,977.43	1,898.34	1,541.44	356.90	5.319		
15,600.00	7,092.31	7,124.31	7,124.31	247.93	246.99	89.64	-379.79	-8,977.43	1,810.47	1,446.93	363.54	4.980		
15,700.00	7,092.66	7,124.66	7,124.66	250.75	247.00	89.66	-379.79	-8,977.43	1,723.92	1,353.11	370.81	4.649		
15,800.00	7,093.01	7,125.01	7,125.01	253.56	247.01	89.69	-379.79	-8,977.43	1,638.90	1,260.12	378.78	4.327		
15,900.00	7,093.36	7,125.36	7,125.36	256.38	247.02	89.71	-379.79	-8,977.43	1,555.66	1,168.14	387.52	4.014		
16,000.00	7,093.71	7,125.71	7,125.71	259.20	247.04	89.73	-379.79	-8,977.43	1,474.51	1,077.42	397.09	3.713		
16,100.00	7,094.07	7,126.07	7,126.07	262.02	247.05	89.75	-379.79	-8,977.43	1,395.81	988.26	407.55	3.425		
16,200.00	7,094.42	7,126.42	7,126.42	264.84	247.06	89.78	-379.79	-8,977.43	1,319.99	901.05	418.94	3.151		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,300.00	7,094.77	7,126.77	7,126.77	267.65	247.07	89.80	-379.79	-8,977.43	1,247.59	816.31	431.28	2.893		
16,400.00	7,095.12	7,127.12	7,127.12	270.47	247.08	89.82	-379.79	-8,977.43	1,179.23	734.71	444.52	2.653		
16,500.00	7,095.47	7,127.47	7,127.47	273.30	247.10	89.85	-379.79	-8,977.43	1,115.65	657.10	458.54	2.433		
16,600.00	7,095.82	7,127.82	7,127.82	276.12	247.11	89.87	-379.79	-8,977.43	1,057.72	584.60	473.12	2.236		
16,700.00	7,096.18	7,128.18	7,128.18	278.94	247.12	89.89	-379.79	-8,977.43	1,006.41	518.56	487.85	2.063		
16,800.00	7,096.53	7,128.53	7,128.53	281.76	247.13	89.91	-379.79	-8,977.43	962.79	460.60	502.19	1.917		
16,900.00	7,096.88	7,128.88	7,128.88	284.58	247.15	89.94	-379.79	-8,977.43	927.93	412.53	515.39	1.800		
17,000.00	7,097.23	7,129.23	7,129.23	287.41	247.16	89.96	-379.79	-8,977.43	902.85	376.21	526.64	1.714		
17,100.00	7,097.58	7,129.58	7,129.58	290.23	247.17	89.98	-379.79	-8,977.43	888.39	353.27	535.12	1.660		
17,179.53	7,097.86	7,129.86	7,129.86	292.48	247.18	90.00	-379.79	-8,977.43	884.83	345.36	539.46	1.640 CC		
17,200.00	7,097.93	7,129.93	7,129.93	293.06	247.18	90.00	-379.79	-8,977.43	885.06	344.85	540.21	1.638 ES, SF		
17,300.00	7,098.29	7,130.29	7,130.29	295.88	247.20	90.03	-379.79	-8,977.43	892.99	351.34	541.65	1.649		
17,400.00	7,098.64	7,130.64	7,130.64	298.71	247.21	90.05	-379.79	-8,977.43	911.88	372.31	539.57	1.690		
17,500.00	7,098.99	7,130.99	7,130.99	301.53	247.22	90.07	-379.79	-8,977.43	941.07	406.62	534.46	1.761		
17,600.00	7,099.34	7,131.34	7,131.34	304.36	247.23	90.10	-379.79	-8,977.43	979.65	452.65	527.00	1.859		
17,700.00	7,099.69	7,131.69	7,131.69	307.19	247.24	90.12	-379.79	-8,977.43	1,026.55	508.60	517.95	1.982		
17,800.00	7,100.04	7,132.04	7,132.04	310.01	247.26	90.14	-379.79	-8,977.43	1,080.69	572.72	507.97	2.127		
17,900.00	7,100.40	7,132.40	7,132.40	312.84	247.27	90.16	-379.79	-8,977.43	1,141.05	643.42	497.63	2.293		
18,000.00	7,100.75	7,132.75	7,132.75	315.67	247.28	90.19	-379.79	-8,977.43	1,206.68	719.37	487.31	2.476		
18,100.00	7,101.10	7,133.10	7,133.10	318.50	247.29	90.21	-379.79	-8,977.43	1,276.78	799.50	477.28	2.675		
18,200.00	7,101.45	7,133.45	7,133.45	321.33	247.31	90.23	-379.79	-8,977.43	1,350.65	882.93	467.72	2.888		
18,300.00	7,101.80	7,133.80	7,133.80	324.16	247.32	90.26	-379.79	-8,977.43	1,427.71	969.00	458.71	3.112		
18,400.00	7,102.16	7,134.16	7,134.16	326.99	247.33	90.28	-379.79	-8,977.43	1,507.47	1,057.17	450.29	3.348		
18,500.00	7,102.51	7,134.51	7,134.51	329.82	247.34	90.30	-379.79	-8,977.43	1,589.51	1,147.04	442.47	3.592		
18,600.00	7,102.86	7,134.86	7,134.86	332.65	247.35	90.32	-379.79	-8,977.43	1,673.51	1,238.29	435.21	3.845		
18,700.00	7,103.21	7,135.21	7,135.21	335.48	247.37	90.35	-379.79	-8,977.43	1,759.18	1,330.67	428.51	4.105		
18,800.00	7,103.56	7,135.56	7,135.56	338.31	247.38	90.37	-379.79	-8,977.43	1,846.30	1,423.99	422.31	4.372		
18,900.00	7,103.91	7,135.91	7,135.91	341.14	247.39	90.39	-379.79	-8,977.43	1,934.66	1,518.07	416.59	4.644		
18,924.52	7,104.00	7,136.00	7,136.00	341.83	247.39	90.40	-379.79	-8,977.43	1,956.49	1,541.24	415.25	4.712		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	13.00	13.00	3.28	3.29	-96.85	-1,165.70	-9,701.64	9,771.42					
100.00	100.00	113.00	113.00	3.28	3.95	-96.85	-1,165.70	-9,701.64	9,771.42	9,764.19	7.23	1,350.800		
200.00	200.00	213.00	213.00	3.34	6.57	-96.85	-1,165.70	-9,701.64	9,771.42	9,761.52	9.91	986.513		
300.00	299.98	312.98	312.98	3.44	9.75	130.14	-1,165.70	-9,701.64	9,772.55	9,759.36	13.19	740.933		
400.00	399.84	412.84	412.84	3.59	13.08	130.11	-1,165.70	-9,701.64	9,775.92	9,759.25	16.68	586.185		
500.00	499.45	512.45	512.45	3.80	16.47	130.06	-1,165.70	-9,701.64	9,781.55	9,761.28	20.27	482.621		
600.00	598.70	611.70	611.70	4.04	19.88	130.00	-1,165.70	-9,701.64	9,789.42	9,765.50	23.92	409.261		
700.00	697.47	710.47	710.47	4.32	23.29	129.91	-1,165.70	-9,701.64	9,799.54	9,771.93	27.61	354.903		
800.00	795.62	808.62	808.62	4.65	26.69	129.80	-1,165.70	-9,701.64	9,811.90	9,780.57	31.33	313.178		
900.00	893.06	906.06	906.06	5.02	30.06	129.68	-1,165.70	-9,701.64	9,826.51	9,791.44	35.06	280.243		
993.00	982.91	1,004.09	995.91	5.39	33.47	129.54	-1,165.70	-9,701.64	9,842.09	9,803.26	38.83	253.474		
1,000.00	989.65	1,002.65	1,002.65	5.42	33.42	129.55	-1,165.70	-9,701.64	9,843.34	9,804.53	38.81	253.636		
1,100.00	1,085.84	1,101.16	1,098.84	5.86	36.84	129.67	-1,165.70	-9,701.64	9,861.16	9,818.52	42.64	231.248		
1,200.00	1,182.03	1,204.97	1,195.03	6.32	40.45	129.79	-1,165.70	-9,701.64	9,879.02	9,832.34	46.68	211.616		
1,300.00	1,278.22	1,308.78	1,291.22	6.79	44.07	129.90	-1,165.70	-9,701.64	9,896.93	9,846.19	50.74	195.042		
1,400.00	1,374.42	1,387.42	1,387.42	7.28	46.80	130.02	-1,165.70	-9,701.64	9,914.88	9,860.95	53.94	183.815		
1,500.00	1,470.61	1,483.61	1,483.61	7.79	50.15	130.14	-1,165.70	-9,701.64	9,932.88	9,875.12	57.76	171.971		
1,600.00	1,566.80	1,579.80	1,579.80	8.30	53.51	130.26	-1,165.70	-9,701.64	9,950.92	9,889.33	61.59	161.573		
1,700.00	1,663.00	1,676.00	1,676.00	8.82	56.86	130.38	-1,165.70	-9,701.64	9,969.00	9,903.57	65.42	152.373		
1,800.00	1,759.19	1,772.19	1,772.19	9.34	60.21	130.49	-1,165.70	-9,701.64	9,987.12	9,917.85	69.27	144.181		
8,000.00	7,066.16	7,079.16	7,079.16	46.50	245.41	40.05	-1,165.70	-9,701.64	9,929.12	9,648.73	280.38	35.412		
8,100.00	7,066.50	7,079.50	7,079.50	48.19	245.42	40.33	-1,165.70	-9,701.64	9,829.12	9,548.72	280.40	35.054		
8,200.00	7,066.85	7,079.85	7,079.85	50.00	245.43	40.62	-1,165.70	-9,701.64	9,729.12	9,448.71	280.41	34.696		
8,300.00	7,067.19	7,080.19	7,080.19	51.91	245.45	40.92	-1,165.70	-9,701.64	9,629.12	9,348.69	280.43	34.337		
8,400.00	7,067.54	7,080.54	7,080.54	53.92	245.46	41.21	-1,165.70	-9,701.64	9,529.12	9,248.68	280.44	33.979		
8,500.00	7,067.88	7,080.88	7,080.88	56.01	245.47	41.51	-1,165.70	-9,701.64	9,429.12	9,148.66	280.46	33.620		
8,600.00	7,068.22	7,081.22	7,081.22	58.16	245.48	41.81	-1,165.70	-9,701.64	9,329.12	9,048.64	280.48	33.261		
8,700.00	7,068.57	7,081.57	7,081.57	60.38	245.49	42.12	-1,165.70	-9,701.64	9,229.13	8,948.63	280.50	32.903		
8,800.00	7,068.91	7,081.91	7,081.91	62.65	245.51	42.43	-1,165.70	-9,701.64	9,129.13	8,848.61	280.52	32.544		
8,900.00	7,069.25	7,082.25	7,082.25	64.97	245.52	42.75	-1,165.70	-9,701.64	9,029.13	8,748.59	280.54	32.185		
9,000.00	7,069.60	7,082.60	7,082.60	67.34	245.53	43.06	-1,165.70	-9,701.64	8,929.13	8,648.57	280.56	31.826		
9,100.00	7,069.94	7,082.94	7,082.94	69.74	245.54	43.39	-1,165.70	-9,701.64	8,829.13	8,548.54	280.59	31.467		
9,200.00	7,070.28	7,083.28	7,083.28	72.18	245.55	43.71	-1,165.70	-9,701.64	8,729.13	8,448.52	280.61	31.108		
9,300.00	7,070.63	7,083.63	7,083.63	74.65	245.57	44.04	-1,165.70	-9,701.64	8,629.13	8,348.50	280.64	30.748		
9,400.00	7,070.97	7,083.97	7,083.97	77.15	245.58	44.38	-1,165.70	-9,701.64	8,529.13	8,248.47	280.66	30.389		
9,500.00	7,071.32	7,084.32	7,084.32	79.67	245.59	44.71	-1,165.70	-9,701.64	8,429.13	8,148.44	280.69	30.030		
9,600.00	7,071.66	7,084.66	7,084.66	82.22	245.60	45.06	-1,165.70	-9,701.64	8,329.14	8,048.42	280.72	29.671		
9,700.00	7,072.00	7,085.00	7,085.00	84.78	245.61	45.40	-1,165.70	-9,701.64	8,229.14	7,948.39	280.75	29.311		
9,800.00	7,072.35	7,085.35	7,085.35	87.37	245.63	45.75	-1,165.70	-9,701.64	8,129.14	7,848.36	280.78	28.952		
9,900.00	7,072.69	7,085.69	7,085.69	89.97	245.64	46.11	-1,165.70	-9,701.64	8,029.14	7,748.33	280.81	28.593		
10,000.00	7,073.03	7,086.03	7,086.03	92.59	245.65	46.47	-1,165.70	-9,701.64	7,929.14	7,648.30	280.84	28.233		
10,100.00	7,073.38	7,086.38	7,086.38	95.22	245.66	46.83	-1,165.70	-9,701.64	7,829.14	7,548.27	280.88	27.874		
10,200.00	7,073.72	7,086.72	7,086.72	97.86	245.67	47.20	-1,165.70	-9,701.64	7,729.14	7,448.23	280.91	27.515		
10,300.00	7,074.07	7,087.07	7,087.07	100.52	245.69	47.57	-1,165.70	-9,701.64	7,629.14	7,348.20	280.95	27.155		
10,400.00	7,074.41	7,087.41	7,087.41	103.19	245.70	47.94	-1,165.70	-9,701.64	7,529.15	7,248.16	280.98	26.796		
10,500.00	7,074.75	7,087.75	7,087.75	105.87	245.71	48.32	-1,165.70	-9,701.64	7,429.15	7,148.13	281.02	26.436		
10,600.00	7,075.10	7,088.10	7,088.10	108.55	245.72	48.71	-1,165.70	-9,701.64	7,329.15	7,048.09	281.06	26.077		
10,700.00	7,075.44	7,088.44	7,088.44	111.25	245.73	49.10	-1,165.70	-9,701.64	7,229.15	6,948.05	281.10	25.718		
10,800.00	7,075.78	7,088.78	7,088.78	113.96	245.75	49.49	-1,165.70	-9,701.64	7,129.15	6,848.01	281.14	25.358		
10,900.00	7,076.13	7,089.13	7,089.13	116.67	245.76	49.89	-1,165.70	-9,701.64	7,029.15	6,747.97	281.18	24.999		
11,000.00	7,076.47	7,089.47	7,089.47	119.39	245.77	50.30	-1,165.70	-9,701.64	6,929.15	6,647.93	281.22	24.639		
11,100.00	7,076.81	7,089.81	7,089.81	122.11	245.78	50.71	-1,165.70	-9,701.64	6,829.16	6,547.89	281.27	24.280		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,200.00	7,077.16	7,109.84	7,090.16	124.85	246.48	51.12	-1,165.70	-9,701.64	6,729.16	6,447.16	282.00	23.862		
11,300.00	7,077.50	7,109.50	7,090.50	127.58	246.47	51.54	-1,165.70	-9,701.64	6,629.16	6,347.14	282.02	23.506		
11,400.00	7,077.85	7,109.15	7,090.85	130.33	246.46	51.96	-1,165.70	-9,701.64	6,529.16	6,247.12	282.04	23.150		
11,500.00	7,078.19	7,108.81	7,091.19	133.08	246.45	52.39	-1,165.70	-9,701.64	6,429.16	6,147.10	282.06	22.793		
11,600.00	7,078.53	7,108.47	7,091.53	135.83	246.43	52.82	-1,165.70	-9,701.64	6,329.16	6,047.07	282.09	22.437		
11,700.00	7,078.88	7,108.12	7,091.88	138.59	246.42	53.26	-1,165.70	-9,701.64	6,229.16	5,947.05	282.11	22.080		
11,800.00	7,079.22	7,107.78	7,092.22	141.35	246.41	53.71	-1,165.70	-9,701.64	6,129.17	5,847.03	282.14	21.724		
11,900.00	7,079.56	7,107.44	7,092.56	144.11	246.40	54.15	-1,165.70	-9,701.64	6,029.17	5,747.00	282.17	21.367		
12,000.00	7,079.91	7,107.09	7,092.91	146.88	246.39	54.61	-1,165.70	-9,701.64	5,929.17	5,646.97	282.20	21.011		
12,100.00	7,080.25	7,106.75	7,093.25	149.66	246.37	55.07	-1,165.70	-9,701.64	5,829.17	5,546.95	282.22	20.654		
12,200.00	7,080.60	7,106.40	7,093.60	152.43	246.36	55.53	-1,165.70	-9,701.64	5,729.17	5,446.92	282.25	20.298		
12,300.00	7,080.94	7,106.06	7,093.94	155.21	246.35	56.00	-1,165.70	-9,701.64	5,629.17	5,346.89	282.28	19.941		
12,400.00	7,081.28	7,105.72	7,094.28	157.99	246.34	56.47	-1,165.70	-9,701.64	5,529.18	5,246.86	282.32	19.585		
12,500.00	7,081.63	7,105.37	7,094.63	160.78	246.33	56.95	-1,165.70	-9,701.64	5,429.18	5,146.83	282.35	19.229		
12,600.00	7,081.97	7,105.03	7,094.97	163.57	246.31	57.44	-1,165.70	-9,701.64	5,329.18	5,046.80	282.38	18.872		
12,700.00	7,082.31	7,104.69	7,095.31	166.36	246.30	57.93	-1,165.70	-9,701.64	5,229.18	4,946.77	282.42	18.516		
12,800.00	7,082.66	7,104.34	7,095.66	169.15	246.29	58.43	-1,165.70	-9,701.64	5,129.19	4,846.73	282.45	18.159		
12,900.00	7,083.00	7,104.00	7,096.00	171.94	246.28	58.93	-1,165.70	-9,701.64	5,029.19	4,746.70	282.49	17.803		
13,000.00	7,083.35	7,103.66	7,096.35	174.74	246.27	59.43	-1,165.70	-9,701.64	4,929.19	4,646.66	282.53	17.447		
13,100.00	7,083.69	7,103.31	7,096.69	177.54	246.25	59.94	-1,165.70	-9,701.64	4,829.19	4,546.63	282.57	17.091		
13,200.00	7,084.03	7,102.97	7,097.03	180.34	246.24	60.46	-1,165.70	-9,701.64	4,729.19	4,446.59	282.60	16.734		
13,300.00	7,084.38	7,102.62	7,097.38	183.14	246.23	60.98	-1,165.70	-9,701.64	4,629.20	4,346.55	282.64	16.378		
13,400.00	7,084.72	7,102.28	7,097.72	185.95	246.22	61.51	-1,165.70	-9,701.64	4,529.20	4,246.51	282.69	16.022		
13,500.00	7,085.06	7,101.94	7,098.06	188.76	246.21	62.04	-1,165.70	-9,701.64	4,429.20	4,146.47	282.73	15.666		
13,600.00	7,085.41	7,101.59	7,098.41	191.56	246.19	62.58	-1,165.70	-9,701.64	4,329.20	4,046.43	282.77	15.310		
13,700.00	7,085.75	7,101.25	7,098.75	194.37	246.18	63.13	-1,165.70	-9,701.64	4,229.21	3,946.39	282.81	14.954		
13,800.00	7,086.09	7,100.91	7,099.09	197.18	246.17	63.67	-1,165.70	-9,701.64	4,129.21	3,846.35	282.86	14.598		
13,900.00	7,086.44	7,100.56	7,099.44	200.00	246.16	64.23	-1,165.70	-9,701.64	4,029.21	3,746.31	282.90	14.242		
14,000.00	7,086.78	7,100.22	7,099.78	202.81	246.15	64.79	-1,165.70	-9,701.64	3,929.22	3,646.27	282.95	13.887		
14,100.00	7,087.13	7,100.13	7,100.13	205.63	246.14	65.35	-1,165.70	-9,701.64	3,829.22	3,546.21	283.01	13.531		
14,200.00	7,087.47	7,100.47	7,100.47	208.44	246.15	65.92	-1,165.70	-9,701.64	3,729.22	3,446.14	283.08	13.174		
14,300.00	7,087.81	7,100.81	7,100.81	211.26	246.17	66.50	-1,165.70	-9,701.64	3,629.23	3,346.08	283.15	12.817		
14,400.00	7,088.16	7,101.16	7,101.16	214.08	246.18	67.08	-1,165.70	-9,701.64	3,529.23	3,246.00	283.23	12.461		
14,500.00	7,088.50	7,101.50	7,101.50	216.90	246.19	67.66	-1,165.70	-9,701.64	3,429.23	3,145.93	283.30	12.105		
14,600.00	7,088.84	7,101.84	7,101.84	219.72	246.20	68.25	-1,165.70	-9,701.64	3,329.24	3,045.86	283.38	11.748		
14,700.00	7,089.19	7,102.19	7,102.19	222.54	246.21	68.85	-1,165.70	-9,701.64	3,229.24	2,945.79	283.45	11.392		
14,800.00	7,089.53	7,102.53	7,102.53	225.37	246.23	69.45	-1,165.70	-9,701.64	3,129.25	2,845.72	283.53	11.037		
14,900.00	7,089.88	7,102.88	7,102.88	228.19	246.24	70.05	-1,165.70	-9,701.64	3,029.25	2,745.64	283.61	10.681		
15,000.00	7,090.22	7,103.22	7,103.22	231.02	246.25	70.66	-1,165.70	-9,701.64	2,929.26	2,645.57	283.69	10.326		
15,100.00	7,090.56	7,103.56	7,103.56	233.84	246.26	71.27	-1,165.70	-9,701.64	2,829.26	2,545.49	283.77	9.970		
15,200.00	7,090.91	7,103.91	7,103.91	236.67	246.27	71.89	-1,165.70	-9,701.64	2,729.27	2,445.42	283.85	9.615		
15,227.29	7,091.00	7,104.00	7,104.00	237.44	246.28	72.06	-1,165.70	-9,701.64	2,701.98	2,418.10	283.88	9.518		
15,300.00	7,091.25	7,104.25	7,104.25	239.49	246.29	84.55	-1,165.70	-9,701.64	2,629.29	2,345.36	283.94	9.260		
15,326.57	7,091.35	7,104.35	7,104.35	240.24	246.29	85.66	-1,165.70	-9,701.64	2,602.75	2,318.79	283.96	9.166		
15,400.00	7,091.60	7,104.60	7,104.60	242.30	246.30	85.78	-1,165.70	-9,701.64	2,529.40	2,245.37	284.03	8.905		
15,500.00	7,091.96	7,104.96	7,104.96	245.12	246.31	85.95	-1,165.70	-9,701.64	2,429.52	2,145.38	284.13	8.551		
15,600.00	7,092.31	7,105.31	7,105.31	247.93	246.32	86.12	-1,165.70	-9,701.64	2,329.65	2,045.40	284.25	8.196		
15,700.00	7,092.66	7,105.66	7,105.66	250.75	246.34	86.28	-1,165.70	-9,701.64	2,229.79	1,945.40	284.38	7.841		
15,800.00	7,093.01	7,106.01	7,106.01	253.56	246.35	86.45	-1,165.70	-9,701.64	2,129.94	1,845.40	284.54	7.486		
15,900.00	7,093.36	7,106.36	7,106.36	256.38	246.36	86.62	-1,165.70	-9,701.64	2,030.11	1,745.39	284.72	7.130		
16,000.00	7,093.71	7,106.71	7,106.71	259.20	246.37	86.78	-1,165.70	-9,701.64	1,930.30	1,645.37	284.93	6.775		
16,100.00	7,094.07	7,107.07	7,107.07	262.02	246.38	86.95	-1,165.70	-9,701.64	1,830.50	1,545.32	285.18	6.419		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,200.00	7,094.42	7,107.42	7,107.42	264.84	246.40	87.12	-1,165.70	-9,701.64	1,730.73	1,445.25	285.49	6.062		
16,300.00	7,094.77	7,107.77	7,107.77	267.65	246.41	87.28	-1,165.70	-9,701.64	1,630.99	1,345.13	285.86	5.706		
16,400.00	7,095.12	7,108.12	7,108.12	270.47	246.42	87.45	-1,165.70	-9,701.64	1,531.28	1,244.96	286.32	5.348		
16,500.00	7,095.47	7,108.47	7,108.47	273.30	246.43	87.62	-1,165.70	-9,701.64	1,431.62	1,144.72	286.89	4.990		
16,600.00	7,095.82	7,108.82	7,108.82	276.12	246.45	87.78	-1,165.70	-9,701.64	1,332.00	1,044.38	287.62	4.631		
16,700.00	7,096.18	7,109.18	7,109.18	278.94	246.46	87.95	-1,165.70	-9,701.64	1,232.44	943.90	288.55	4.271		
16,800.00	7,096.53	7,109.53	7,109.53	281.76	246.47	88.12	-1,165.70	-9,701.64	1,132.97	843.21	289.75	3.910		
16,900.00	7,096.88	7,109.88	7,109.88	284.58	246.48	88.28	-1,165.70	-9,701.64	1,033.59	742.25	291.34	3.548		
17,000.00	7,097.23	7,110.23	7,110.23	287.41	246.49	88.45	-1,165.70	-9,701.64	934.34	640.87	293.47	3.184		
17,100.00	7,097.58	7,110.58	7,110.58	290.23	246.51	88.62	-1,165.70	-9,701.64	835.28	538.90	296.38	2.818		
17,200.00	7,097.93	7,110.93	7,110.93	293.06	246.52	88.79	-1,165.70	-9,701.64	736.47	436.03	300.44	2.451		
17,300.00	7,098.29	7,111.29	7,111.29	295.88	246.53	88.95	-1,165.70	-9,701.64	638.03	331.81	306.22	2.084		
17,400.00	7,098.64	7,111.64	7,111.64	298.71	246.54	89.12	-1,165.70	-9,701.64	540.16	225.41	314.75	1.716		
17,500.00	7,098.99	7,111.99	7,111.99	301.53	246.56	89.29	-1,165.70	-9,701.64	443.25	115.42	327.82	1.352 Level 3		
17,600.00	7,099.34	7,112.34	7,112.34	304.36	246.57	89.45	-1,165.70	-9,701.64	348.08	-0.93	349.02	0.997 Level 1		
17,700.00	7,099.69	7,112.69	7,112.69	307.19	246.58	89.62	-1,165.70	-9,701.64	256.62	-129.37	386.00	0.665 Level 1		
17,800.00	7,100.04	7,113.04	7,113.04	310.01	246.59	89.79	-1,165.70	-9,701.64	174.78	-279.93	454.70	0.384 Level 1		
17,900.00	7,100.40	7,113.40	7,113.40	312.84	246.61	89.96	-1,165.70	-9,701.64	123.45	-426.37	549.82	0.225 Level 1		
17,926.54	7,100.49	7,113.49	7,113.49	313.59	246.61	90.00	-1,165.70	-9,701.64	120.56	-439.46	560.02	0.215 Level 1, CC, ES, SF		
18,000.00	7,100.75	7,113.75	7,113.75	315.67	246.62	90.12	-1,165.70	-9,701.64	141.18	-381.11	522.29	0.270 Level 1		
18,100.00	7,101.10	7,114.10	7,114.10	318.50	246.63	90.29	-1,165.70	-9,701.64	211.24	-228.51	439.75	0.480 Level 1		
18,200.00	7,101.45	7,114.45	7,114.45	321.33	246.64	90.46	-1,165.70	-9,701.64	298.85	-91.71	390.57	0.765 Level 1		
18,300.00	7,101.80	7,114.80	7,114.80	324.16	246.65	90.62	-1,165.70	-9,701.64	392.44	29.76	362.67	1.082 Level 2		
18,400.00	7,102.16	7,115.16	7,115.16	326.99	246.67	90.79	-1,165.70	-9,701.64	488.57	143.03	345.53	1.414 Level 3		
18,500.00	7,102.51	7,115.51	7,115.51	329.82	246.68	90.96	-1,165.70	-9,701.64	585.99	251.78	334.21	1.753		
18,600.00	7,102.86	7,115.86	7,115.86	332.65	246.69	91.13	-1,165.70	-9,701.64	684.16	357.85	326.31	2.097		
18,700.00	7,103.21	7,116.21	7,116.21	335.48	246.70	91.29	-1,165.70	-9,701.64	782.80	462.23	320.56	2.442		
18,800.00	7,103.56	7,116.56	7,116.56	338.31	246.72	91.46	-1,165.70	-9,701.64	881.74	565.51	316.23	2.788		
18,900.00	7,103.91	7,116.91	7,116.91	341.14	246.73	91.63	-1,165.70	-9,701.64	980.89	668.01	312.89	3.135		
18,924.52	7,104.00	7,117.00	7,117.00	341.83	246.73	91.67	-1,165.70	-9,701.64	1,005.22	693.04	312.18	3.220		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.87	23.87	3.28	3.28	-89.12	149.82	-9,701.13	9,702.28					
100.00	100.00	115.58	115.58	3.28	3.29	-89.11	150.01	-9,701.18	9,702.35	9,695.77	6.58	1,475.260		
200.00	200.00	206.82	206.82	3.34	3.35	-89.11	150.39	-9,701.32	9,702.50	9,695.82	6.69	1,451.364		
300.00	299.98	298.68	298.68	3.44	3.45	137.88	150.78	-9,701.53	9,704.03	9,697.15	6.89	1,408.586		
400.00	399.84	418.24	418.24	3.59	3.64	137.85	151.02	-9,701.73	9,708.09	9,700.86	7.23	1,342.340		
500.00	499.45	521.55	521.55	3.80	3.85	137.80	150.93	-9,701.78	9,714.60	9,706.96	7.65	1,270.700		
600.00	598.70	616.21	616.21	4.04	4.08	137.72	150.81	-9,701.86	9,723.74	9,715.62	8.12	1,198.056		
700.00	697.47	737.07	737.06	4.32	4.40	137.64	150.89	-9,701.83	9,735.35	9,726.62	8.73	1,115.709		
800.00	795.62	849.76	849.76	4.65	4.74	137.53	150.87	-9,701.56	9,749.31	9,739.93	9.38	1,039.506		
900.00	893.06	930.59	930.58	5.02	4.99	137.38	150.65	-9,701.35	9,765.83	9,755.84	9.99	978.037		
993.00	982.91	987.60	987.59	5.39	5.18	137.19	150.48	-9,701.39	9,783.75	9,773.23	10.53	929.503		
1,000.00	989.65	1,000.00	1,000.00	5.42	5.22	137.20	150.44	-9,701.42	9,785.20	9,774.60	10.60	923.344		
1,100.00	1,085.84	1,100.00	1,099.41	5.86	5.56	137.31	150.04	-9,701.56	9,805.75	9,794.42	11.34	864.952		
1,200.00	1,182.03	1,166.65	1,166.65	6.32	5.79	137.38	149.68	-9,701.69	9,826.42	9,814.44	11.99	819.721		
1,300.00	1,278.22	1,264.76	1,264.75	6.79	6.14	137.48	149.06	-9,702.23	9,847.43	9,834.66	12.77	770.992		
1,400.00	1,374.42	1,356.21	1,356.20	7.28	6.48	137.58	148.48	-9,702.56	9,868.29	9,854.74	13.55	728.115		
1,500.00	1,470.61	1,431.40	1,431.39	7.79	6.75	137.66	148.15	-9,703.00	9,889.39	9,875.10	14.29	692.144		
1,600.00	1,566.80	1,512.17	1,512.16	8.30	7.06	137.75	147.72	-9,703.62	9,910.70	9,895.64	15.06	658.249		
1,700.00	1,663.00	1,605.42	1,605.40	8.82	7.42	137.85	147.27	-9,704.41	9,932.12	9,916.23	15.88	625.301		
1,800.00	1,759.19	1,708.35	1,708.33	9.34	7.81	137.95	146.93	-9,705.25	9,953.54	9,936.78	16.76	593.887		
1,900.00	1,855.38	1,808.99	1,808.96	9.87	8.21	138.06	146.80	-9,706.01	9,974.95	9,957.31	17.64	565.586		
2,000.00	1,951.58	1,871.98	1,871.95	10.41	8.45	138.13	146.82	-9,706.59	9,996.54	9,978.17	18.37	544.270		
8,100.00	7,066.50	7,042.88	7,042.52	48.19	30.11	86.49	173.51	-9,739.67	9,968.52	9,904.15	64.37	154.873		
8,200.00	7,066.85	7,043.65	7,043.29	50.00	30.11	86.52	173.52	-9,739.67	9,869.48	9,805.08	64.40	153.260		
8,300.00	7,067.19	7,044.43	7,044.06	51.91	30.12	86.55	173.52	-9,739.67	9,770.46	9,706.02	64.44	151.632		
8,400.00	7,067.54	7,045.20	7,044.84	53.92	30.12	86.59	173.53	-9,739.68	9,671.46	9,606.97	64.48	149.988		
8,500.00	7,067.88	7,045.97	7,045.61	56.01	30.12	86.62	173.53	-9,739.68	9,572.47	9,507.94	64.54	148.328		
8,600.00	7,068.22	7,046.75	7,046.38	58.16	30.13	86.65	173.53	-9,739.68	9,473.51	9,408.92	64.60	146.652		
8,700.00	7,068.57	7,047.52	7,047.16	60.38	30.13	86.68	173.54	-9,739.69	9,374.58	9,309.91	64.67	144.960		
8,800.00	7,068.91	7,048.29	7,047.93	62.65	30.13	86.71	173.54	-9,739.69	9,275.66	9,210.91	64.75	143.252		
8,900.00	7,069.25	7,049.07	7,048.71	64.97	30.14	86.75	173.55	-9,739.69	9,176.77	9,111.93	64.84	141.527		
9,000.00	7,069.60	7,049.84	7,049.48	67.34	30.14	86.78	173.55	-9,739.70	9,077.90	9,012.96	64.94	139.785		
9,100.00	7,069.94	7,050.62	7,050.25	69.74	30.14	86.81	173.56	-9,739.70	8,979.06	8,914.01	65.05	138.027		
9,200.00	7,070.28	7,051.39	7,051.03	72.18	30.15	86.84	173.56	-9,739.70	8,880.24	8,815.07	65.18	136.251		
9,300.00	7,070.63	7,052.16	7,051.80	74.65	30.15	86.88	173.56	-9,739.71	8,781.46	8,716.15	65.31	134.459		
9,400.00	7,070.97	7,052.94	7,052.57	77.15	30.15	86.91	173.57	-9,739.71	8,682.69	8,617.24	65.46	132.650		
9,500.00	7,071.32	7,053.71	7,053.35	79.67	30.16	86.94	173.57	-9,739.71	8,583.96	8,518.35	65.61	130.824		
9,600.00	7,071.66	7,054.49	7,054.12	82.22	30.16	86.97	173.58	-9,739.72	8,485.26	8,419.47	65.79	128.981		
9,700.00	7,072.00	7,055.26	7,054.90	84.78	30.16	87.01	173.58	-9,739.72	8,386.58	8,320.61	65.97	127.122		
9,800.00	7,072.35	7,056.03	7,055.67	87.37	30.17	87.04	173.59	-9,739.72	8,287.94	8,221.77	66.17	125.245		
9,900.00	7,072.69	7,056.81	7,056.44	89.97	30.17	87.07	173.59	-9,739.73	8,189.33	8,122.94	66.39	123.353		
10,000.00	7,073.03	7,057.58	7,057.22	92.59	30.17	87.10	173.59	-9,739.73	8,090.76	8,024.14	66.62	121.444		
10,100.00	7,073.38	7,058.35	7,057.99	95.22	30.17	87.13	173.60	-9,739.73	7,992.22	7,925.35	66.87	119.519		
10,200.00	7,073.72	7,059.13	7,058.76	97.86	30.18	87.17	173.60	-9,739.74	7,893.72	7,826.58	67.14	117.578		
10,300.00	7,074.07	7,059.90	7,059.54	100.52	30.18	87.20	173.61	-9,739.74	7,795.25	7,727.83	67.42	115.622		
10,400.00	7,074.41	7,060.68	7,060.31	103.19	30.18	87.23	173.61	-9,739.74	7,696.83	7,629.10	67.72	113.652		
10,500.00	7,074.75	7,061.45	7,061.09	105.87	30.19	87.26	173.62	-9,739.75	7,598.44	7,530.40	68.05	111.666		
10,600.00	7,075.10	7,062.22	7,061.86	108.55	30.19	87.30	173.62	-9,739.75	7,500.10	7,431.71	68.39	109.667		
10,700.00	7,075.44	7,063.00	7,062.63	111.25	30.19	87.33	173.62	-9,739.75	7,401.81	7,333.05	68.75	107.655		
10,800.00	7,075.78	7,063.77	7,063.41	113.96	30.20	87.36	173.63	-9,739.76	7,303.56	7,234.41	69.14	105.631		
10,900.00	7,076.13	7,064.54	7,064.18	116.67	30.20	87.39	173.63	-9,739.76	7,205.35	7,135.80	69.55	103.594		
11,000.00	7,076.47	7,065.32	7,064.95	119.39	30.20	87.43	173.64	-9,739.76	7,107.20	7,037.21	69.99	101.546		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,100.00	7,076.81	7,066.09	7,065.73	122.11	30.21	87.46	173.64	-9,739.77	7,009.10	6,938.65	70.45	99.488		
11,200.00	7,077.16	7,066.87	7,066.50	124.85	30.21	87.49	173.65	-9,739.77	6,911.05	6,840.11	70.94	97.421		
11,300.00	7,077.50	7,067.64	7,067.28	127.58	30.21	87.52	173.65	-9,739.77	6,813.06	6,741.61	71.46	95.346		
11,400.00	7,077.85	7,068.41	7,068.05	130.33	30.22	87.56	173.65	-9,739.78	6,715.13	6,643.13	72.00	93.263		
11,500.00	7,078.19	7,069.19	7,068.82	133.08	30.22	87.59	173.66	-9,739.78	6,617.27	6,544.69	72.58	91.174		
11,600.00	7,078.53	7,069.96	7,069.60	135.83	30.22	87.62	173.66	-9,739.78	6,519.46	6,446.28	73.19	89.080		
11,700.00	7,078.88	7,070.73	7,070.37	138.59	30.23	87.65	173.67	-9,739.79	6,421.73	6,347.90	73.83	86.982		
11,800.00	7,079.22	7,071.51	7,071.14	141.35	30.23	87.68	173.67	-9,739.79	6,324.06	6,249.56	74.50	84.882		
11,900.00	7,079.56	7,072.28	7,071.92	144.11	30.23	87.72	173.68	-9,739.79	6,226.47	6,151.25	75.22	82.780		
12,000.00	7,079.91	7,073.06	7,072.69	146.88	30.24	87.75	173.68	-9,739.80	6,128.96	6,052.99	75.97	80.679		
12,100.00	7,080.25	7,073.83	7,073.46	149.66	30.24	87.78	173.68	-9,739.80	6,031.52	5,954.77	76.76	78.579		
12,200.00	7,080.60	7,074.60	7,074.24	152.43	30.24	87.81	173.69	-9,739.80	5,934.18	5,856.59	77.59	76.482		
12,300.00	7,080.94	7,075.38	7,075.01	155.21	30.25	87.85	173.69	-9,739.80	5,836.92	5,758.45	78.46	74.389		
12,400.00	7,081.28	7,076.15	7,075.79	157.99	30.25	87.88	173.70	-9,739.81	5,739.75	5,660.37	79.39	72.302		
12,500.00	7,081.63	7,076.92	7,076.56	160.78	30.25	87.91	173.70	-9,739.81	5,642.69	5,562.34	80.35	70.223		
12,600.00	7,081.97	7,077.70	7,077.33	163.57	30.26	87.94	173.71	-9,739.81	5,545.73	5,464.36	81.37	68.153		
12,700.00	7,082.31	7,078.47	7,078.11	166.36	30.26	87.98	173.71	-9,739.82	5,448.88	5,366.44	82.44	66.093		
12,800.00	7,082.66	7,079.25	7,078.88	169.15	30.26	88.01	173.71	-9,739.82	5,352.14	5,268.58	83.57	64.046		
12,900.00	7,083.00	7,080.02	7,079.65	171.94	30.27	88.04	173.72	-9,739.82	5,255.53	5,170.78	84.75	62.012		
13,000.00	7,083.35	7,080.79	7,080.43	174.74	30.27	88.07	173.72	-9,739.83	5,159.05	5,073.05	85.99	59.993		
13,100.00	7,083.69	7,081.57	7,081.20	177.54	30.27	88.11	173.73	-9,739.83	5,062.70	4,975.40	87.30	57.992		
13,200.00	7,084.03	7,082.34	7,081.98	180.34	30.28	88.14	173.73	-9,739.83	4,966.50	4,877.82	88.67	56.009		
13,300.00	7,084.38	7,083.11	7,082.75	183.14	30.28	88.17	173.74	-9,739.84	4,870.45	4,780.33	90.12	54.046		
13,400.00	7,084.72	7,083.89	7,083.52	185.95	30.28	88.20	173.74	-9,739.84	4,774.56	4,682.92	91.63	52.105		
13,500.00	7,085.06	7,084.66	7,084.30	188.76	30.29	88.24	173.74	-9,739.84	4,678.84	4,585.61	93.23	50.186		
13,600.00	7,085.41	7,085.44	7,085.07	191.56	30.29	88.27	173.75	-9,739.85	4,583.31	4,488.40	94.91	48.293		
13,700.00	7,085.75	7,086.21	7,085.84	194.37	30.29	88.30	173.75	-9,739.85	4,487.97	4,391.30	96.67	46.425		
13,800.00	7,086.09	7,086.98	7,086.62	197.18	30.30	88.33	173.76	-9,739.85	4,392.84	4,294.31	98.53	44.585		
13,900.00	7,086.44	7,087.76	7,087.39	200.00	30.30	88.36	173.76	-9,739.86	4,297.93	4,197.45	100.48	42.774		
14,000.00	7,086.78	7,088.53	7,088.17	202.81	30.30	88.40	173.77	-9,739.86	4,203.25	4,100.72	102.54	40.993		
14,100.00	7,087.13	7,089.30	7,088.94	205.63	30.31	88.43	173.77	-9,739.86	4,108.83	4,004.13	104.70	39.244		
14,200.00	7,087.47	7,090.08	7,089.71	208.44	30.31	88.46	173.77	-9,739.87	4,014.68	3,907.70	106.98	37.528		
14,300.00	7,087.81	7,090.85	7,090.49	211.26	30.31	88.49	173.78	-9,739.87	3,920.81	3,811.43	109.38	35.846		
14,400.00	7,088.16	7,091.63	7,091.26	214.08	30.32	88.53	173.78	-9,739.87	3,827.26	3,715.35	111.91	34.199		
14,500.00	7,088.50	7,092.40	7,092.03	216.90	30.32	88.56	173.79	-9,739.88	3,734.04	3,619.46	114.58	32.588		
14,600.00	7,088.84	7,093.17	7,092.81	219.72	30.32	88.59	173.79	-9,739.88	3,641.18	3,523.78	117.40	31.015		
14,700.00	7,089.19	7,093.95	7,093.58	222.54	30.33	88.62	173.80	-9,739.88	3,548.71	3,428.34	120.37	29.481		
14,800.00	7,089.53	7,094.72	7,094.36	225.37	30.33	88.66	173.80	-9,739.89	3,456.66	3,333.15	123.52	27.986		
14,900.00	7,089.88	7,095.49	7,095.13	228.19	30.33	88.69	173.80	-9,739.89	3,365.06	3,238.23	126.83	26.531		
15,000.00	7,090.22	7,096.27	7,095.90	231.02	30.34	88.72	173.81	-9,739.89	3,273.95	3,143.61	130.34	25.118		
15,100.00	7,090.56	7,097.04	7,096.68	233.84	30.34	88.75	173.81	-9,739.90	3,183.38	3,049.32	134.06	23.746		
15,200.00	7,090.91	7,097.82	7,097.45	236.67	30.34	88.79	173.82	-9,739.90	3,093.39	2,955.40	137.99	22.418		
15,227.29	7,091.00	7,098.03	7,097.66	237.44	30.34	88.79	173.82	-9,739.90	3,068.94	2,929.84	139.10	22.063		
15,300.00	7,091.25	7,098.59	7,098.22	239.49	30.35	88.87	173.82	-9,739.90	3,004.46	2,862.23	142.22	21.125		
15,326.57	7,091.35	7,098.79	7,098.42	240.24	30.35	88.90	173.82	-9,739.90	2,981.21	2,837.77	143.43	20.784		
15,400.00	7,091.60	7,099.35	7,098.98	242.30	30.35	88.92	173.83	-9,739.91	2,917.42	2,770.51	146.91	19.859		
15,500.00	7,091.96	7,100.11	7,099.75	245.12	30.35	88.95	173.83	-9,739.91	2,831.30	2,679.42	151.88	18.642		
15,600.00	7,092.31	7,100.87	7,100.51	247.93	30.36	88.98	173.83	-9,739.91	2,746.13	2,588.98	157.14	17.475		
15,700.00	7,092.66	7,101.64	7,101.27	250.75	30.36	89.01	173.84	-9,739.92	2,661.98	2,499.27	162.72	16.360		
15,800.00	7,093.01	7,102.40	7,102.03	253.56	30.36	89.04	173.84	-9,739.92	2,578.97	2,410.36	168.61	15.295		
15,900.00	7,093.36	7,103.16	7,102.80	256.38	30.37	89.07	173.85	-9,739.92	2,497.20	2,322.35	174.86	14.281		
16,000.00	7,093.71	7,103.92	7,103.56	259.20	30.37	89.10	173.85	-9,739.93	2,416.81	2,235.35	181.46	13.319		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
16,100.00	7,094.07	7,104.69	7,104.32	262.02	30.37	89.13	173.85	-9,739.93	2,337.92	2,149.49	188.44	12.407		
16,200.00	7,094.42	7,105.45	7,105.08	264.84	30.38	89.16	173.86	-9,739.93	2,260.71	2,064.91	195.80	11.546		
16,300.00	7,094.77	7,106.21	7,105.85	267.65	30.38	89.19	173.86	-9,739.94	2,185.35	1,981.79	203.56	10.735		
16,400.00	7,095.12	7,106.97	7,106.61	270.47	30.38	89.22	173.87	-9,739.94	2,112.03	1,900.30	211.73	9.975		
16,500.00	7,095.47	7,107.74	7,107.37	273.30	30.39	89.25	173.87	-9,739.94	2,040.98	1,820.69	220.29	9.265		
16,600.00	7,095.82	7,108.50	7,108.13	276.12	30.39	89.28	173.88	-9,739.95	1,972.44	1,743.20	229.25	8.604		
16,700.00	7,096.18	7,109.26	7,108.90	278.94	30.39	89.31	173.88	-9,739.95	1,906.69	1,668.12	238.57	7.992		
16,800.00	7,096.53	7,110.02	7,109.66	281.76	30.40	89.34	173.88	-9,739.95	1,844.01	1,595.80	248.21	7.429		
16,900.00	7,096.88	7,110.79	7,110.42	284.58	30.40	89.37	173.89	-9,739.96	1,784.74	1,526.62	258.12	6.914		
17,000.00	7,097.23	7,111.55	7,111.18	287.41	30.40	89.40	173.89	-9,739.96	1,729.23	1,461.01	268.22	6.447		
17,100.00	7,097.58	7,112.31	7,111.95	290.23	30.40	89.43	173.90	-9,739.96	1,677.84	1,399.44	278.40	6.027		
17,200.00	7,097.93	7,113.07	7,112.71	293.06	30.41	89.46	173.90	-9,739.97	1,630.97	1,342.43	288.54	5.653		
17,300.00	7,098.29	7,113.84	7,113.47	295.88	30.41	89.49	173.91	-9,739.97	1,589.02	1,290.56	298.46	5.324		
17,400.00	7,098.64	7,114.60	7,114.23	298.71	30.41	89.52	173.91	-9,739.97	1,552.38	1,244.39	308.00	5.040		
17,500.00	7,098.99	7,115.36	7,115.00	301.53	30.42	89.55	173.91	-9,739.98	1,521.45	1,204.51	316.94	4.800		
17,600.00	7,099.34	7,116.12	7,115.76	304.36	30.42	89.58	173.92	-9,739.98	1,496.57	1,171.49	325.08	4.604		
17,700.00	7,099.69	7,116.89	7,116.52	307.19	30.42	89.61	173.92	-9,739.98	1,478.05	1,145.83	332.22	4.449		
17,800.00	7,100.04	7,117.65	7,117.28	310.01	30.43	89.64	173.93	-9,739.99	1,466.14	1,127.96	338.17	4.335		
17,900.00	7,100.40	7,118.41	7,118.05	312.84	30.43	89.67	173.93	-9,739.99	1,460.98	1,118.18	342.80	4.262		
17,925.45	7,100.49	7,118.61	7,118.24	313.56	30.43	89.68	173.93	-9,739.99	1,460.76	1,117.01	343.75	4.250 CC		
18,000.00	7,100.75	7,119.17	7,118.81	315.67	30.43	89.70	173.93	-9,739.99	1,462.66	1,116.67	345.99	4.227 ES, SF		
18,100.00	7,101.10	7,119.94	7,119.57	318.50	30.44	89.73	173.94	-9,740.00	1,471.15	1,123.42	347.73	4.231		
18,200.00	7,101.45	7,120.70	7,120.33	321.33	30.44	89.76	173.94	-9,740.00	1,486.33	1,138.30	348.03	4.271		
18,300.00	7,101.80	7,121.46	7,121.10	324.16	30.44	89.79	173.95	-9,740.00	1,508.01	1,161.03	346.98	4.346		
18,400.00	7,102.16	7,122.22	7,121.86	326.99	30.45	89.82	173.95	-9,740.01	1,535.90	1,191.20	344.70	4.456		
18,500.00	7,102.51	7,122.99	7,122.62	329.82	30.45	89.85	173.96	-9,740.01	1,569.68	1,228.33	341.36	4.598		
18,600.00	7,102.86	7,123.75	7,123.38	332.65	30.45	89.88	173.96	-9,740.01	1,608.98	1,271.86	337.12	4.773		
18,700.00	7,103.21	7,124.51	7,124.15	335.48	30.46	89.91	173.96	-9,740.01	1,653.39	1,321.23	332.16	4.978		
18,800.00	7,103.56	7,125.27	7,124.91	338.31	30.46	89.94	173.97	-9,740.02	1,702.53	1,375.88	326.66	5.212		
18,900.00	7,103.91	7,126.04	7,125.67	341.14	30.46	89.97	173.97	-9,740.02	1,755.99	1,435.23	320.76	5.474		
18,924.52	7,104.00	7,126.22	7,125.86	341.83	30.46	89.98	173.97	-9,740.02	1,769.72	1,450.44	319.27	5.543		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	14.00	14.00	3.28	3.29	-97.77	-1,166.13	-8,543.03	8,622.25					
100.00	100.00	114.00	114.00	3.28	3.97	-97.77	-1,166.13	-8,543.03	8,622.25	8,615.00	7.25	1,188.726		
200.00	200.00	214.00	214.00	3.34	6.60	-97.77	-1,166.13	-8,543.03	8,622.25	8,612.31	9.94	867.842		
300.00	299.98	313.98	313.98	3.44	9.78	129.22	-1,166.13	-8,543.03	8,623.35	8,610.13	13.22	652.178		
400.00	399.84	413.84	413.84	3.59	13.12	129.19	-1,166.13	-8,543.03	8,626.66	8,609.95	16.71	516.228		
500.00	499.45	513.45	513.45	3.80	16.51	129.15	-1,166.13	-8,543.03	8,632.18	8,611.88	20.30	425.195		
600.00	598.70	612.70	612.70	4.04	19.92	129.10	-1,166.13	-8,543.03	8,639.91	8,615.95	23.95	360.686		
700.00	697.47	711.47	711.47	4.32	23.32	129.02	-1,166.13	-8,543.03	8,649.84	8,622.19	27.65	312.873		
800.00	795.62	809.62	809.62	4.65	26.72	128.93	-1,166.13	-8,543.03	8,661.98	8,630.61	31.37	276.167		
900.00	893.06	907.06	907.06	5.02	30.10	128.82	-1,166.13	-8,543.03	8,676.31	8,641.22	35.10	247.191		
993.00	982.91	1,003.09	996.91	5.39	33.43	128.69	-1,166.13	-8,543.03	8,691.63	8,652.83	38.80	224.038		
1,000.00	989.65	1,003.65	1,003.65	5.42	33.45	128.70	-1,166.13	-8,543.03	8,692.85	8,654.01	38.84	223.783		
1,100.00	1,085.84	1,100.16	1,099.84	5.86	36.81	128.84	-1,166.13	-8,543.03	8,710.37	8,667.76	42.61	204.418		
1,200.00	1,182.03	1,203.97	1,196.03	6.32	40.42	128.98	-1,166.13	-8,543.03	8,727.93	8,681.28	46.65	187.085		
1,300.00	1,278.22	1,307.78	1,292.22	6.79	44.03	129.11	-1,166.13	-8,543.03	8,745.55	8,694.84	50.71	172.455		
1,400.00	1,374.42	1,388.42	1,388.42	7.28	46.84	129.25	-1,166.13	-8,543.03	8,763.22	8,709.24	53.98	162.343		
1,500.00	1,470.61	1,484.61	1,484.61	7.79	50.19	129.38	-1,166.13	-8,543.03	8,780.93	8,723.13	57.80	151.919		
1,600.00	1,566.80	1,580.80	1,580.80	8.30	53.54	129.52	-1,166.13	-8,543.03	8,798.70	8,737.07	61.63	142.766		
1,700.00	1,663.00	1,677.00	1,677.00	8.82	56.89	129.65	-1,166.13	-8,543.03	8,816.51	8,751.05	65.47	134.669		
1,800.00	1,759.19	1,773.19	1,773.19	9.34	60.25	129.79	-1,166.13	-8,543.03	8,834.38	8,765.07	69.31	127.458		
1,900.00	1,855.38	1,869.38	1,869.38	9.87	63.60	129.92	-1,166.13	-8,543.03	8,852.29	8,779.13	73.16	120.996		
2,000.00	1,951.58	1,965.58	1,965.58	10.41	66.95	130.05	-1,166.13	-8,543.03	8,870.25	8,793.23	77.02	115.174		
2,100.00	2,047.77	2,061.77	2,061.77	10.95	70.31	130.18	-1,166.13	-8,543.03	8,888.26	8,807.38	80.87	109.902		
2,200.00	2,143.96	2,157.96	2,157.96	11.49	73.66	130.31	-1,166.13	-8,543.03	8,906.31	8,821.57	84.74	105.107		
2,300.00	2,240.16	2,254.16	2,254.16	12.04	77.02	130.45	-1,166.13	-8,543.03	8,924.41	8,835.81	88.60	100.728		
2,400.00	2,336.35	2,350.35	2,350.35	12.58	80.37	130.58	-1,166.13	-8,543.03	8,942.56	8,850.09	92.47	96.712		
2,500.00	2,432.54	2,446.54	2,446.54	13.13	83.73	130.71	-1,166.13	-8,543.03	8,960.76	8,864.42	96.33	93.017		
2,600.00	2,528.74	2,542.74	2,542.74	13.69	87.08	130.84	-1,166.13	-8,543.03	8,979.00	8,878.79	100.20	89.607		
2,700.00	2,624.93	2,638.93	2,638.93	14.24	90.44	130.96	-1,166.13	-8,543.03	8,997.28	8,893.21	104.08	86.449		
2,800.00	2,721.12	2,735.12	2,735.12	14.80	93.80	131.09	-1,166.13	-8,543.03	9,015.62	8,907.67	107.95	83.517		
2,900.00	2,817.32	2,831.32	2,831.32	15.35	97.15	131.22	-1,166.13	-8,543.03	9,034.00	8,922.17	111.82	80.788		
3,000.00	2,913.51	2,927.51	2,927.51	15.91	100.51	131.35	-1,166.13	-8,543.03	9,052.42	8,936.72	115.70	78.241		
3,100.00	3,009.70	3,023.70	3,023.70	16.47	103.86	131.47	-1,166.13	-8,543.03	9,070.89	8,951.31	119.57	75.860		
3,200.00	3,105.90	3,119.90	3,119.90	17.03	107.22	131.60	-1,166.13	-8,543.03	9,089.40	8,965.95	123.45	73.627		
3,300.00	3,202.09	3,216.09	3,216.09	17.59	110.58	131.73	-1,166.13	-8,543.03	9,107.96	8,980.63	127.33	71.531		
3,400.00	3,298.28	3,312.28	3,312.28	18.15	113.93	131.85	-1,166.13	-8,543.03	9,126.56	8,995.36	131.21	69.559		
3,500.00	3,394.48	3,408.48	3,408.48	18.72	117.29	131.98	-1,166.13	-8,543.03	9,145.21	9,010.12	135.08	67.700		
3,600.00	3,490.67	3,504.67	3,504.67	19.28	120.65	132.10	-1,166.13	-8,543.03	9,163.90	9,024.93	138.96	65.945		
3,700.00	3,586.86	3,600.86	3,600.86	19.84	124.00	132.23	-1,166.13	-8,543.03	9,182.63	9,039.79	142.84	64.285		
3,800.00	3,683.06	3,702.94	3,697.06	20.41	127.57	132.35	-1,166.13	-8,543.03	9,201.41	9,054.48	146.93	62.626		
3,900.00	3,779.25	3,806.75	3,793.25	20.97	131.19	132.47	-1,166.13	-8,543.03	9,220.22	9,069.15	151.07	61.032		
4,000.00	3,875.44	3,889.44	3,889.44	21.54	134.08	132.59	-1,166.13	-8,543.03	9,239.09	9,084.60	154.48	59.807		
4,100.00	3,971.64	3,985.64	3,985.64	22.11	137.43	132.72	-1,166.13	-8,543.03	9,257.99	9,099.63	158.36	58.461		
4,200.00	4,067.83	4,081.83	4,081.83	22.67	140.79	132.84	-1,166.13	-8,543.03	9,276.93	9,114.69	162.24	57.180		
4,300.00	4,164.02	4,178.02	4,178.02	23.24	144.15	132.96	-1,166.13	-8,543.03	9,295.92	9,129.80	166.12	55.959		
4,400.00	4,260.22	4,274.22	4,274.22	23.81	147.50	133.08	-1,166.13	-8,543.03	9,314.95	9,144.95	170.00	54.794		
4,500.00	4,356.41	4,370.41	4,370.41	24.37	150.86	133.20	-1,166.13	-8,543.03	9,334.02	9,160.14	173.88	53.681		
4,600.00	4,452.60	4,466.60	4,466.60	24.94	154.22	133.32	-1,166.13	-8,543.03	9,353.13	9,175.37	177.76	52.616		
4,700.00	4,548.79	4,562.79	4,562.79	25.51	157.58	133.44	-1,166.13	-8,543.03	9,372.28	9,190.64	181.64	51.598		
4,800.00	4,644.99	4,658.99	4,658.99	26.08	160.93	133.56	-1,166.13	-8,543.03	9,391.47	9,205.95	185.52	50.622		
4,900.00	4,741.18	4,755.18	4,755.18	26.65	164.29	133.67	-1,166.13	-8,543.03	9,410.70	9,221.30	189.40	49.687		
5,000.00	4,837.37	4,851.37	4,851.37	27.21	167.65	133.79	-1,166.13	-8,543.03	9,429.98	9,236.70	193.28	48.789		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,947.57	4,947.57	27.78	171.01	133.91	-1,166.13	-8,543.03	9,449.29	9,252.13	197.16	47.927		
5,200.00	5,029.76	5,043.76	5,043.76	28.35	174.36	134.03	-1,166.13	-8,543.03	9,468.64	9,267.60	201.04	47.098		
5,300.00	5,125.95	5,139.95	5,139.95	28.92	177.72	134.14	-1,166.13	-8,543.03	9,488.03	9,283.11	204.92	46.301		
5,400.00	5,222.15	5,236.15	5,236.15	29.49	181.08	134.26	-1,166.13	-8,543.03	9,507.46	9,298.66	208.80	45.534		
5,500.00	5,318.34	5,332.34	5,332.34	30.06	184.44	134.37	-1,166.13	-8,543.03	9,526.93	9,314.25	212.68	44.795		
5,600.00	5,414.53	5,428.53	5,428.53	30.63	187.79	134.49	-1,166.13	-8,543.03	9,546.43	9,329.88	216.56	44.083		
5,700.00	5,510.73	5,524.73	5,524.73	31.20	191.15	134.60	-1,166.13	-8,543.03	9,565.98	9,345.54	220.44	43.396		
5,800.00	5,606.92	5,620.92	5,620.92	31.77	194.51	134.72	-1,166.13	-8,543.03	9,585.56	9,361.25	224.32	42.733		
5,900.00	5,703.11	5,717.11	5,717.11	32.34	197.87	134.83	-1,166.13	-8,543.03	9,605.18	9,376.99	228.19	42.092		
6,000.00	5,799.31	5,813.31	5,813.31	32.91	201.22	134.94	-1,166.13	-8,543.03	9,624.84	9,392.77	232.07	41.473		
6,100.00	5,895.50	5,909.50	5,909.50	33.48	204.58	135.06	-1,166.13	-8,543.03	9,644.54	9,408.59	235.95	40.875		
6,200.00	5,991.69	6,005.69	6,005.69	34.05	207.94	135.17	-1,166.13	-8,543.03	9,664.27	9,424.44	239.83	40.296		
6,300.00	6,087.89	6,101.89	6,101.89	34.62	211.30	135.28	-1,166.13	-8,543.03	9,684.04	9,440.33	243.71	39.736		
6,400.00	6,184.08	6,201.92	6,198.08	35.19	214.79	135.39	-1,166.13	-8,543.03	9,703.85	9,456.13	247.72	39.173		
6,500.00	6,280.27	6,305.73	6,294.27	35.77	218.41	135.50	-1,166.13	-8,543.03	9,723.69	9,471.83	251.86	38.607		
6,535.30	6,314.23	6,328.23	6,328.23	35.97	219.20	135.54	-1,166.13	-8,543.03	9,730.70	9,477.87	252.83	38.487		
6,550.00	6,328.40	6,342.40	6,342.40	36.05	219.69	132.14	-1,166.13	-8,543.03	9,733.46	9,480.06	253.40	38.411		
6,600.00	6,377.01	6,408.99	6,391.01	36.31	222.02	116.97	-1,166.13	-8,543.03	9,740.33	9,484.36	255.97	38.052		
6,650.00	6,426.00	6,440.00	6,440.00	36.54	223.10	96.02	-1,166.13	-8,543.03	9,743.30	9,486.02	257.28	37.870		
6,700.00	6,475.08	6,489.08	6,489.08	36.73	224.81	73.20	-1,166.13	-8,543.03	9,742.36	9,483.16	259.20	37.586		
6,750.00	6,523.94	6,537.94	6,537.94	36.90	226.52	54.62	-1,166.13	-8,543.03	9,737.51	9,476.43	261.08	37.297		
6,800.00	6,572.28	6,586.28	6,586.28	37.05	228.21	41.87	-1,166.13	-8,543.03	9,728.78	9,465.87	262.91	37.004		
6,850.00	6,619.81	6,633.81	6,633.81	37.19	229.86	33.43	-1,166.13	-8,543.03	9,716.22	9,451.54	264.69	36.709		
6,900.00	6,666.23	6,680.23	6,680.23	37.32	231.48	27.70	-1,166.13	-8,543.03	9,699.92	9,433.52	266.40	36.411		
6,950.00	6,711.25	6,725.25	6,725.25	37.46	233.06	23.66	-1,166.13	-8,543.03	9,679.96	9,411.92	268.05	36.113		
7,000.00	6,754.60	6,768.60	6,768.60	37.61	234.57	20.71	-1,166.13	-8,543.03	9,656.48	9,386.86	269.62	35.816		
7,050.00	6,796.01	6,810.01	6,810.01	37.77	236.02	18.51	-1,166.13	-8,543.03	9,629.61	9,358.51	271.10	35.520		
7,100.00	6,835.22	6,849.22	6,849.22	37.94	237.38	16.81	-1,166.13	-8,543.03	9,599.53	9,327.04	272.49	35.228		
7,150.00	6,871.99	6,885.99	6,885.99	38.12	238.67	15.49	-1,166.13	-8,543.03	9,566.41	9,292.62	273.79	34.941		
7,200.00	6,906.10	6,920.10	6,920.10	38.34	239.86	14.45	-1,166.13	-8,543.03	9,530.46	9,255.48	274.98	34.659		
7,250.00	6,937.34	6,951.34	6,951.34	38.57	240.95	13.64	-1,166.13	-8,543.03	9,491.90	9,215.84	276.06	34.383		
7,300.00	6,965.51	6,979.51	6,979.51	38.84	241.93	13.00	-1,166.13	-8,543.03	9,450.97	9,173.94	277.03	34.115		
7,350.00	6,990.44	7,004.44	7,004.44	39.14	242.80	12.51	-1,166.13	-8,543.03	9,407.92	9,130.04	277.88	33.856		
7,400.00	7,011.97	7,025.97	7,025.97	39.47	243.55	12.15	-1,166.13	-8,543.03	9,363.00	9,084.39	278.61	33.606		
7,450.00	7,029.98	7,043.98	7,043.98	39.85	244.18	11.92	-1,166.13	-8,543.03	9,316.51	9,037.29	279.21	33.367		
7,500.00	7,044.34	7,058.34	7,058.34	40.26	244.68	11.84	-1,166.13	-8,543.03	9,268.72	8,989.02	279.69	33.139		
7,550.00	7,054.99	7,068.99	7,068.99	40.72	245.06	11.97	-1,166.13	-8,543.03	9,219.92	8,939.88	280.05	32.923		
7,600.00	7,061.83	7,075.83	7,075.83	41.21	245.29	12.63	-1,166.13	-8,543.03	9,170.43	8,890.16	280.27	32.720		
7,650.00	7,064.85	7,078.85	7,078.85	41.73	245.40	18.52	-1,166.13	-8,543.03	9,120.54	8,840.17	280.37	32.530		
7,661.89	7,065.00	7,079.00	7,079.00	41.86	245.40	47.64	-1,166.13	-8,543.03	9,108.65	8,828.27	280.38	32.487		
7,700.00	7,065.13	7,079.13	7,079.13	42.28	245.41	47.76	-1,166.13	-8,543.03	9,070.54	8,790.16	280.38	32.351		
7,800.00	7,065.47	7,079.47	7,079.47	43.53	245.42	48.07	-1,166.13	-8,543.03	8,970.54	8,690.15	280.39	31.993		
7,900.00	7,065.82	7,079.82	7,079.82	44.94	245.43	48.39	-1,166.13	-8,543.03	8,870.54	8,590.14	280.40	31.635		
8,000.00	7,066.16	7,080.16	7,080.16	46.50	245.45	48.72	-1,166.13	-8,543.03	8,770.55	8,490.13	280.41	31.277		
8,100.00	7,066.50	7,080.50	7,080.50	48.19	245.46	49.04	-1,166.13	-8,543.03	8,670.55	8,390.12	280.43	30.919		
8,200.00	7,066.85	7,080.85	7,080.85	50.00	245.47	49.37	-1,166.13	-8,543.03	8,570.55	8,290.11	280.44	30.561		
8,300.00	7,067.19	7,081.19	7,081.19	51.91	245.48	49.70	-1,166.13	-8,543.03	8,470.55	8,190.09	280.45	30.203		
8,400.00	7,067.54	7,081.54	7,081.54	53.92	245.49	50.04	-1,166.13	-8,543.03	8,370.55	8,090.08	280.47	29.845		
8,500.00	7,067.88	7,081.88	7,081.88	56.01	245.51	50.38	-1,166.13	-8,543.03	8,270.55	7,990.06	280.49	29.486		
8,600.00	7,068.22	7,082.22	7,082.22	58.16	245.52	50.72	-1,166.13	-8,543.03	8,170.55	7,890.05	280.51	29.128		
8,700.00	7,068.57	7,082.57	7,082.57	60.38	245.53	51.06	-1,166.13	-8,543.03	8,070.55	7,790.03	280.52	28.769		
8,800.00	7,068.91	7,082.91	7,082.91	62.65	245.54	51.41	-1,166.13	-8,543.03	7,970.56	7,690.01	280.54	28.411		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,083.25	7,083.25	64.97	245.55	51.76	-1,166.13	-8,543.03	7,870.56	7,589.99	280.57	28.052		
9,000.00	7,069.60	7,083.60	7,083.60	67.34	245.57	52.12	-1,166.13	-8,543.03	7,770.56	7,489.97	280.59	27.694		
9,100.00	7,069.94	7,083.94	7,083.94	69.74	245.58	52.48	-1,166.13	-8,543.03	7,670.56	7,389.95	280.61	27.335		
9,200.00	7,070.28	7,084.28	7,084.28	72.18	245.59	52.84	-1,166.13	-8,543.03	7,570.56	7,289.93	280.64	26.977		
9,300.00	7,070.63	7,084.63	7,084.63	74.65	245.60	53.21	-1,166.13	-8,543.03	7,470.56	7,189.90	280.66	26.618		
9,400.00	7,070.97	7,084.97	7,084.97	77.15	245.61	53.58	-1,166.13	-8,543.03	7,370.57	7,089.88	280.69	26.259		
9,500.00	7,071.32	7,085.32	7,085.32	79.67	245.63	53.95	-1,166.13	-8,543.03	7,270.57	6,989.85	280.71	25.900		
9,600.00	7,071.66	7,085.66	7,085.66	82.22	245.64	54.33	-1,166.13	-8,543.03	7,170.57	6,889.83	280.74	25.541		
9,700.00	7,072.00	7,086.00	7,086.00	84.78	245.65	54.71	-1,166.13	-8,543.03	7,070.57	6,789.80	280.77	25.183		
9,800.00	7,072.35	7,086.35	7,086.35	87.37	245.66	55.09	-1,166.13	-8,543.03	6,970.57	6,689.77	280.80	24.824		
9,900.00	7,072.69	7,086.69	7,086.69	89.97	245.67	55.48	-1,166.13	-8,543.03	6,870.57	6,589.74	280.83	24.465		
10,000.00	7,073.03	7,087.03	7,087.03	92.59	245.69	55.87	-1,166.13	-8,543.03	6,770.58	6,489.71	280.86	24.106		
10,100.00	7,073.38	7,087.38	7,087.38	95.22	245.70	56.27	-1,166.13	-8,543.03	6,670.58	6,389.68	280.90	23.747		
10,200.00	7,073.72	7,087.72	7,087.72	97.86	245.71	56.66	-1,166.13	-8,543.03	6,570.58	6,289.65	280.93	23.389		
10,300.00	7,074.07	7,088.07	7,088.07	100.52	245.72	57.07	-1,166.13	-8,543.03	6,470.58	6,189.62	280.97	23.030		
10,400.00	7,074.41	7,088.41	7,088.41	103.19	245.73	57.47	-1,166.13	-8,543.03	6,370.58	6,089.58	281.00	22.671		
10,500.00	7,074.75	7,088.75	7,088.75	105.87	245.75	57.88	-1,166.13	-8,543.03	6,270.59	5,989.55	281.04	22.312		
10,600.00	7,075.10	7,089.10	7,089.10	108.55	245.76	58.29	-1,166.13	-8,543.03	6,170.59	5,889.51	281.08	21.953		
10,700.00	7,075.44	7,089.44	7,089.44	111.25	245.77	58.71	-1,166.13	-8,543.03	6,070.59	5,789.47	281.12	21.595		
10,800.00	7,075.78	7,089.78	7,089.78	113.96	245.78	59.13	-1,166.13	-8,543.03	5,970.59	5,689.44	281.16	21.236		
10,900.00	7,076.13	7,090.07	7,090.07	116.67	246.48	59.56	-1,166.13	-8,543.03	5,870.60	5,589.41	281.19	20.876		
11,000.00	7,076.47	7,090.41	7,090.41	119.39	246.47	59.99	-1,166.13	-8,543.03	5,770.60	5,489.38	281.23	20.517		
11,100.00	7,076.81	7,090.75	7,090.75	122.11	246.46	60.42	-1,166.13	-8,543.03	5,670.60	5,389.35	281.27	20.158		
11,200.00	7,077.16	7,091.09	7,091.09	124.85	246.45	60.85	-1,166.13	-8,543.03	5,570.60	5,289.32	281.31	19.799		
11,300.00	7,077.50	7,091.43	7,091.43	127.58	246.43	61.29	-1,166.13	-8,543.03	5,470.60	5,189.29	281.35	19.440		
11,400.00	7,077.85	7,091.77	7,091.77	130.33	246.42	61.74	-1,166.13	-8,543.03	5,370.61	5,089.26	281.39	19.081		
11,500.00	7,078.19	7,092.11	7,092.11	133.08	246.41	62.18	-1,166.13	-8,543.03	5,270.61	4,989.23	281.43	18.722		
11,600.00	7,078.53	7,092.45	7,092.45	135.83	246.40	62.63	-1,166.13	-8,543.03	5,170.61	4,889.20	281.47	18.363		
11,700.00	7,078.88	7,092.79	7,092.79	138.59	246.39	63.09	-1,166.13	-8,543.03	5,070.62	4,789.17	281.51	18.004		
11,800.00	7,079.22	7,093.13	7,093.13	141.35	246.37	63.54	-1,166.13	-8,543.03	4,970.62	4,689.14	281.55	17.645		
11,900.00	7,079.56	7,093.47	7,093.47	144.11	246.36	64.01	-1,166.13	-8,543.03	4,870.62	4,589.11	281.59	17.286		
12,000.00	7,079.91	7,093.81	7,093.81	146.88	246.35	64.47	-1,166.13	-8,543.03	4,770.62	4,489.08	281.63	16.927		
12,100.00	7,080.25	7,094.15	7,094.15	149.66	246.34	64.94	-1,166.13	-8,543.03	4,670.63	4,389.05	281.67	16.568		
12,200.00	7,080.60	7,094.49	7,094.49	152.43	246.33	65.41	-1,166.13	-8,543.03	4,570.63	4,289.02	281.71	16.209		
12,300.00	7,080.94	7,094.83	7,094.83	155.21	246.31	65.89	-1,166.13	-8,543.03	4,470.63	4,189.00	281.75	15.850		
12,400.00	7,081.28	7,095.17	7,095.17	157.99	246.30	66.37	-1,166.13	-8,543.03	4,370.64	4,089.00	281.79	15.491		
12,500.00	7,081.63	7,095.51	7,095.51	160.78	246.29	66.85	-1,166.13	-8,543.03	4,270.64	3,989.00	281.83	15.132		
12,600.00	7,081.97	7,095.85	7,095.85	163.57	246.28	67.34	-1,166.13	-8,543.03	4,170.65	3,889.00	281.87	14.773		
12,700.00	7,082.31	7,096.19	7,096.19	166.36	246.27	67.83	-1,166.13	-8,543.03	4,070.65	3,789.00	281.91	14.414		
12,800.00	7,082.66	7,096.53	7,096.53	169.15	246.25	68.32	-1,166.13	-8,543.03	3,970.65	3,689.00	281.95	14.055		
12,900.00	7,083.00	7,096.87	7,096.87	171.94	246.24	68.82	-1,166.13	-8,543.03	3,870.66	3,589.00	281.99	13.696		
13,000.00	7,083.35	7,097.21	7,097.21	174.74	246.23	69.32	-1,166.13	-8,543.03	3,770.66	3,489.00	282.03	13.337		
13,100.00	7,083.69	7,097.55	7,097.55	177.54	246.22	69.82	-1,166.13	-8,543.03	3,670.67	3,389.00	282.07	12.978		
13,200.00	7,084.03	7,097.89	7,097.89	180.34	246.21	70.33	-1,166.13	-8,543.03	3,570.67	3,289.00	282.11	12.619		
13,300.00	7,084.38	7,098.23	7,098.23	183.14	246.19	70.84	-1,166.13	-8,543.03	3,470.68	3,189.00	282.15	12.260		
13,400.00	7,084.72	7,098.57	7,098.57	185.95	246.18	71.35	-1,166.13	-8,543.03	3,370.68	3,089.00	282.19	11.901		
13,500.00	7,085.06	7,098.91	7,098.91	188.76	246.17	71.87	-1,166.13	-8,543.03	3,270.69	2,989.00	282.23	11.542		
13,600.00	7,085.41	7,099.25	7,099.25	191.56	246.16	72.39	-1,166.13	-8,543.03	3,170.70	2,889.00	282.27	11.183		
13,700.00	7,085.75	7,099.59	7,099.59	194.37	246.15	72.91	-1,166.13	-8,543.03	3,070.70	2,789.00	282.31	10.824		
13,800.00	7,086.09	7,100.00	7,100.00	197.18	246.14	73.44	-1,166.13	-8,543.03	2,970.71	2,689.00	282.35	10.465		
13,900.00	7,086.44	7,100.44	7,100.44	200.00	246.15	73.97	-1,166.13	-8,543.03	2,870.72	2,589.00	282.39	10.106		
14,000.00	7,086.78	7,100.78	7,100.78	202.81	246.17	74.50	-1,166.13	-8,543.03	2,770.73	2,489.00	282.43	9.747		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,101.13	7,101.13	205.63	246.18	75.03	-1,166.13	-8,543.03	2,670.73	2,387.71	283.02	9.437		
14,200.00	7,087.47	7,101.47	7,101.47	208.44	246.19	75.57	-1,166.13	-8,543.03	2,570.74	2,287.65	283.09	9.081		
14,300.00	7,087.81	7,101.81	7,101.81	211.26	246.20	76.11	-1,166.13	-8,543.03	2,470.75	2,187.58	283.17	8.725		
14,400.00	7,088.16	7,102.16	7,102.16	214.08	246.21	76.65	-1,166.13	-8,543.03	2,370.76	2,087.52	283.25	8.370		
14,500.00	7,088.50	7,102.50	7,102.50	216.90	246.23	77.19	-1,166.13	-8,543.03	2,270.78	1,987.45	283.33	8.015		
14,600.00	7,088.84	7,102.84	7,102.84	219.72	246.24	77.74	-1,166.13	-8,543.03	2,170.79	1,887.38	283.41	7.660		
14,700.00	7,089.19	7,103.19	7,103.19	222.54	246.25	78.29	-1,166.13	-8,543.03	2,070.80	1,787.31	283.49	7.305		
14,800.00	7,089.53	7,103.53	7,103.53	225.37	246.26	78.84	-1,166.13	-8,543.03	1,970.82	1,687.24	283.58	6.950		
14,900.00	7,089.88	7,103.88	7,103.88	228.19	246.27	79.39	-1,166.13	-8,543.03	1,870.83	1,587.16	283.67	6.595		
15,000.00	7,090.22	7,104.22	7,104.22	231.02	246.29	79.95	-1,166.13	-8,543.03	1,770.85	1,487.09	283.76	6.241		
15,100.00	7,090.56	7,104.56	7,104.56	233.84	246.30	80.51	-1,166.13	-8,543.03	1,670.87	1,387.01	283.86	5.886		
15,200.00	7,090.91	7,104.91	7,104.91	236.67	246.31	81.06	-1,166.13	-8,543.03	1,570.90	1,286.93	283.97	5.532		
15,227.29	7,091.00	7,105.00	7,105.00	237.44	246.31	81.22	-1,166.13	-8,543.03	1,543.61	1,259.61	284.00	5.435		
15,300.00	7,091.25	7,105.25	7,105.25	239.49	246.32	85.95	-1,166.13	-8,543.03	1,470.95	1,186.86	284.10	5.178		
15,326.57	7,091.35	7,105.35	7,105.35	240.24	246.32	86.63	-1,166.13	-8,543.03	1,444.42	1,160.28	284.14	5.083		
15,400.00	7,091.60	7,105.60	7,105.60	242.30	246.33	86.80	-1,166.13	-8,543.03	1,371.13	1,086.83	284.30	4.823		
15,500.00	7,091.96	7,105.96	7,105.96	245.12	246.35	87.03	-1,166.13	-8,543.03	1,271.34	986.78	284.56	4.468		
15,600.00	7,092.31	7,106.31	7,106.31	247.93	246.36	87.27	-1,166.13	-8,543.03	1,171.59	886.67	284.92	4.112		
15,700.00	7,092.66	7,106.66	7,106.66	250.75	246.37	87.50	-1,166.13	-8,543.03	1,071.89	786.47	285.41	3.756		
15,800.00	7,093.01	7,107.01	7,107.01	253.56	246.38	87.73	-1,166.13	-8,543.03	972.24	686.14	286.10	3.398		
15,900.00	7,093.36	7,107.36	7,107.36	256.38	246.39	87.97	-1,166.13	-8,543.03	872.68	585.59	287.10	3.040		
16,000.00	7,093.71	7,107.71	7,107.71	259.20	246.41	88.20	-1,166.13	-8,543.03	773.23	484.67	288.56	2.680		
16,100.00	7,094.07	7,108.07	7,108.07	262.02	246.42	88.44	-1,166.13	-8,543.03	673.95	383.17	290.78	2.318		
16,200.00	7,094.42	7,108.42	7,108.42	264.84	246.43	88.67	-1,166.13	-8,543.03	574.91	280.64	294.27	1.954		
16,300.00	7,094.77	7,108.77	7,108.77	267.65	246.44	88.90	-1,166.13	-8,543.03	476.27	176.28	299.99	1.588		
16,400.00	7,095.12	7,109.12	7,109.12	270.47	246.46	89.14	-1,166.13	-8,543.03	378.35	68.44	309.91	1.221 Level 2		
16,500.00	7,095.47	7,109.47	7,109.47	273.30	246.47	89.37	-1,166.13	-8,543.03	281.89	-46.58	328.47	0.858 Level 1		
16,600.00	7,095.82	7,109.82	7,109.82	276.12	246.48	89.61	-1,166.13	-8,543.03	189.15	-178.46	367.60	0.515 Level 1		
16,700.00	7,096.18	7,110.18	7,110.18	278.94	246.49	89.84	-1,166.13	-8,543.03	109.95	-349.50	459.45	0.239 Level 1		
16,768.43	7,096.42	7,110.42	7,110.42	280.87	246.50	90.00	-1,166.13	-8,543.03	86.06	-441.11	527.17	0.163 Level 1, CC, ES, SF		
16,800.00	7,096.53	7,110.53	7,110.53	281.76	246.51	90.07	-1,166.13	-8,543.03	91.67	-423.15	514.82	0.178 Level 1		
16,900.00	7,096.88	7,110.88	7,110.88	284.58	246.52	90.31	-1,166.13	-8,543.03	157.21	-257.03	414.24	0.380 Level 1		
17,000.00	7,097.23	7,111.23	7,111.23	287.41	246.53	90.54	-1,166.13	-8,543.03	247.04	-115.38	362.42	0.682 Level 1		
17,100.00	7,097.58	7,111.58	7,111.58	290.23	246.54	90.78	-1,166.13	-8,543.03	342.55	4.69	337.86	1.014 Level 2		
17,200.00	7,097.93	7,111.93	7,111.93	293.06	246.55	91.01	-1,166.13	-8,543.03	440.06	115.70	324.36	1.357 Level 3		
17,300.00	7,098.29	7,112.29	7,112.29	295.88	246.57	91.24	-1,166.13	-8,543.03	538.48	222.40	316.08	1.704		
17,400.00	7,098.64	7,112.64	7,112.64	298.71	246.58	91.48	-1,166.13	-8,543.03	637.40	326.78	310.61	2.052		
17,500.00	7,098.99	7,112.99	7,112.99	301.53	246.59	91.71	-1,166.13	-8,543.03	736.61	429.81	306.80	2.401		
17,600.00	7,099.34	7,113.34	7,113.34	304.36	246.60	91.95	-1,166.13	-8,543.03	836.00	531.98	304.02	2.750		
17,700.00	7,099.69	7,113.69	7,113.69	307.19	246.62	92.18	-1,166.13	-8,543.03	935.53	633.59	301.94	3.098		
17,800.00	7,100.04	7,114.04	7,114.04	310.01	246.63	92.41	-1,166.13	-8,543.03	1,035.14	734.81	300.34	3.447		
17,900.00	7,100.40	7,114.40	7,114.40	312.84	246.64	92.65	-1,166.13	-8,543.03	1,134.83	835.75	299.08	3.794		
18,000.00	7,100.75	7,114.75	7,114.75	315.67	246.65	92.88	-1,166.13	-8,543.03	1,234.56	936.49	298.07	4.142		
18,100.00	7,101.10	7,115.10	7,115.10	318.50	246.66	93.11	-1,166.13	-8,543.03	1,334.34	1,037.08	297.26	4.489		
18,200.00	7,101.45	7,115.45	7,115.45	321.33	246.68	93.35	-1,166.13	-8,543.03	1,434.14	1,137.55	296.59	4.835		
18,300.00	7,101.80	7,115.80	7,115.80	324.16	246.69	93.58	-1,166.13	-8,543.03	1,533.97	1,237.93	296.04	5.182		
18,400.00	7,102.16	7,116.16	7,116.16	326.99	246.70	93.81	-1,166.13	-8,543.03	1,633.82	1,338.24	295.59	5.527		
18,500.00	7,102.51	7,116.51	7,116.51	329.82	246.71	94.05	-1,166.13	-8,543.03	1,733.69	1,438.49	295.21	5.873		
18,600.00	7,102.86	7,116.86	7,116.86	332.65	246.73	94.28	-1,166.13	-8,543.03	1,833.58	1,538.69	294.89	6.218		
18,700.00	7,103.21	7,117.21	7,117.21	335.48	246.74	94.51	-1,166.13	-8,543.03	1,933.47	1,638.85	294.62	6.563		
18,800.00	7,103.56	7,117.56	7,117.56	338.31	246.75	94.75	-1,166.13	-8,543.03	2,033.38	1,738.98	294.40	6.907		
18,900.00	7,103.91	7,117.91	7,117.91	341.14	246.76	94.98	-1,166.13	-8,543.03	2,133.29	1,839.08	294.21	7.251		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
18,924.52	7,104.00	7,118.00	7,118.00	341.83	246.77	95.04	-1,166.13	-8,543.03	2,157.78	1,863.62	294.17	7.335	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	26.00	26.00	3.28	3.31	-79.68	1,533.71	-8,426.69	8,565.13					
100.00	100.00	126.00	126.00	3.28	4.22	-79.68	1,533.71	-8,426.69	8,565.13	8,557.62	7.50	1,141.496		
200.00	200.00	226.00	226.00	3.34	6.96	-79.68	1,533.71	-8,426.69	8,565.13	8,554.82	10.30	831.413		
300.00	299.98	325.98	325.98	3.44	10.18	147.31	1,533.71	-8,426.69	8,566.59	8,552.98	13.62	629.055		
400.00	399.84	425.84	425.84	3.59	13.52	147.28	1,533.71	-8,426.69	8,571.00	8,553.88	17.12	500.702		
500.00	499.45	525.45	525.45	3.80	16.92	147.23	1,533.71	-8,426.69	8,578.34	8,557.62	20.71	414.131		
600.00	598.70	624.70	624.70	4.04	20.33	147.16	1,533.71	-8,426.69	8,588.60	8,564.24	24.37	352.446		
700.00	697.47	723.47	723.47	4.32	23.74	147.07	1,533.71	-8,426.69	8,601.79	8,573.73	28.06	306.550		
800.00	795.62	821.62	821.62	4.65	27.14	146.96	1,533.71	-8,426.69	8,617.88	8,586.11	31.77	271.223		
900.00	893.06	919.06	919.06	5.02	30.52	146.83	1,533.71	-8,426.69	8,636.87	8,601.37	35.50	243.292		
993.00	982.91	1,008.91	1,008.91	5.39	33.64	146.69	1,533.71	-8,426.69	8,657.11	8,618.14	38.97	222.158		
1,000.00	989.65	1,015.65	1,015.65	5.42	33.87	146.70	1,533.71	-8,426.69	8,658.73	8,619.50	39.23	220.700		
1,100.00	1,085.84	1,111.84	1,111.84	5.86	37.21	146.80	1,533.71	-8,426.69	8,681.85	8,638.88	42.97	202.067		
1,200.00	1,182.03	1,208.03	1,208.03	6.32	40.56	146.89	1,533.71	-8,426.69	8,704.98	8,658.27	46.72	186.330		
1,300.00	1,278.22	1,304.22	1,304.22	6.79	43.91	146.99	1,533.71	-8,426.69	8,728.15	8,677.66	50.49	172.878		
1,400.00	1,374.42	1,400.42	1,400.42	7.28	47.26	147.09	1,533.71	-8,426.69	8,751.34	8,697.07	54.27	161.254		
1,500.00	1,470.61	1,503.39	1,496.61	7.79	50.84	147.18	1,533.71	-8,426.69	8,774.55	8,716.25	58.30	150.506		
1,600.00	1,566.80	1,607.20	1,592.80	8.30	54.46	147.28	1,533.71	-8,426.69	8,797.78	8,735.41	62.37	141.060		
1,700.00	1,663.00	1,689.00	1,689.00	8.82	57.31	147.37	1,533.71	-8,426.69	8,821.04	8,755.36	65.68	134.307		
1,800.00	1,759.19	1,785.19	1,785.19	9.34	60.66	147.47	1,533.71	-8,426.69	8,844.32	8,774.83	69.50	127.265		
1,900.00	1,855.38	1,881.38	1,881.38	9.87	64.02	147.56	1,533.71	-8,426.69	8,867.63	8,794.31	73.32	120.948		
2,000.00	1,951.58	1,977.58	1,977.58	10.41	67.37	147.66	1,533.71	-8,426.69	8,890.96	8,813.81	77.14	115.251		
2,100.00	2,047.77	2,073.77	2,073.77	10.95	70.73	147.75	1,533.71	-8,426.69	8,914.31	8,833.33	80.98	110.087		
2,200.00	2,143.96	2,169.96	2,169.96	11.49	74.08	147.84	1,533.71	-8,426.69	8,937.68	8,852.87	84.81	105.386		
2,300.00	2,240.16	2,266.16	2,266.16	12.04	77.44	147.93	1,533.71	-8,426.69	8,961.08	8,872.43	88.65	101.088		
2,400.00	2,336.35	2,362.35	2,362.35	12.58	80.79	148.03	1,533.71	-8,426.69	8,984.50	8,892.01	92.49	97.145		
2,500.00	2,432.54	2,458.54	2,458.54	13.13	84.15	148.12	1,533.71	-8,426.69	9,007.94	8,911.61	96.33	93.514		
2,600.00	2,528.74	2,554.74	2,554.74	13.69	87.50	148.21	1,533.71	-8,426.69	9,031.40	8,931.23	100.17	90.160		
2,700.00	2,624.93	2,650.93	2,650.93	14.24	90.86	148.30	1,533.71	-8,426.69	9,054.88	8,950.87	104.02	87.053		
2,800.00	2,721.12	2,747.12	2,747.12	14.80	94.21	148.39	1,533.71	-8,426.69	9,078.39	8,970.53	107.86	84.167		
2,900.00	2,817.32	2,843.32	2,843.32	15.35	97.57	148.48	1,533.71	-8,426.69	9,101.91	8,990.20	111.71	81.478		
3,000.00	2,913.51	2,939.51	2,939.51	15.91	100.93	148.56	1,533.71	-8,426.69	9,125.46	9,009.90	115.56	78.968		
3,100.00	3,009.70	3,035.70	3,035.70	16.47	104.28	148.65	1,533.71	-8,426.69	9,149.03	9,029.62	119.41	76.620		
3,200.00	3,105.90	3,131.90	3,131.90	17.03	107.64	148.74	1,533.71	-8,426.69	9,172.62	9,049.36	123.26	74.418		
3,300.00	3,202.09	3,228.09	3,228.09	17.59	111.00	148.83	1,533.71	-8,426.69	9,196.23	9,069.12	127.11	72.349		
3,400.00	3,298.28	3,324.28	3,324.28	18.15	114.35	148.92	1,533.71	-8,426.69	9,219.86	9,088.90	130.96	70.401		
3,500.00	3,394.48	3,420.48	3,420.48	18.72	117.71	149.00	1,533.71	-8,426.69	9,243.51	9,108.70	134.81	68.565		
3,600.00	3,490.67	3,516.67	3,516.67	19.28	121.07	149.09	1,533.71	-8,426.69	9,267.18	9,128.52	138.67	66.830		
3,700.00	3,586.86	3,612.86	3,612.86	19.84	124.42	149.17	1,533.71	-8,426.69	9,290.87	9,148.35	142.52	65.189		
3,800.00	3,683.06	3,709.06	3,709.06	20.41	127.78	149.26	1,533.71	-8,426.69	9,314.59	9,168.21	146.38	63.635		
3,900.00	3,779.25	3,805.25	3,805.25	20.97	131.14	149.34	1,533.71	-8,426.69	9,338.32	9,188.09	150.23	62.160		
4,000.00	3,875.44	3,901.44	3,901.44	21.54	134.49	149.43	1,533.71	-8,426.69	9,362.07	9,207.98	154.08	60.759		
4,100.00	3,971.64	4,002.36	3,997.64	22.11	138.02	149.51	1,533.71	-8,426.69	9,385.84	9,227.73	158.10	59.365		
4,200.00	4,067.83	4,106.17	4,093.83	22.67	141.64	149.60	1,533.71	-8,426.69	9,409.63	9,247.40	162.23	58.003		
4,300.00	4,164.02	4,209.98	4,190.02	23.24	145.26	149.68	1,533.71	-8,426.69	9,433.44	9,267.09	166.35	56.710		
4,400.00	4,260.22	4,286.22	4,286.22	23.81	147.92	149.76	1,533.71	-8,426.69	9,457.26	9,287.76	169.51	55.793		
4,500.00	4,356.41	4,382.41	4,382.41	24.37	151.28	149.84	1,533.71	-8,426.69	9,481.11	9,307.75	173.36	54.690		
4,600.00	4,452.60	4,478.60	4,478.60	24.94	154.64	149.93	1,533.71	-8,426.69	9,504.98	9,327.76	177.22	53.634		
4,700.00	4,548.79	4,574.79	4,574.79	25.51	157.99	150.01	1,533.71	-8,426.69	9,528.86	9,347.79	181.07	52.624		
4,800.00	4,644.99	4,670.99	4,670.99	26.08	161.35	150.09	1,533.71	-8,426.69	9,552.76	9,367.83	184.93	51.656		
4,900.00	4,741.18	4,767.18	4,767.18	26.65	164.71	150.17	1,533.71	-8,426.69	9,576.68	9,387.90	188.79	50.728		
5,000.00	4,837.37	4,863.37	4,863.37	27.21	168.07	150.25	1,533.71	-8,426.69	9,600.62	9,407.98	192.64	49.836		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,959.57	4,959.57	27.78	171.42	150.33	1,533.71	-8,426.69	9,624.58	9,428.08	196.50	48.980		
5,200.00	5,029.76	5,055.76	5,055.76	28.35	174.78	150.41	1,533.71	-8,426.69	9,648.56	9,448.20	200.36	48.157		
5,300.00	5,125.95	5,151.95	5,151.95	28.92	178.14	150.49	1,533.71	-8,426.69	9,672.55	9,468.34	204.21	47.365		
5,400.00	5,222.15	5,248.15	5,248.15	29.49	181.50	150.57	1,533.71	-8,426.69	9,696.56	9,488.49	208.07	46.603		
5,500.00	5,318.34	5,344.34	5,344.34	30.06	184.85	150.65	1,533.71	-8,426.69	9,720.59	9,508.66	211.93	45.868		
5,600.00	5,414.53	5,440.53	5,440.53	30.63	188.21	150.72	1,533.71	-8,426.69	9,744.63	9,528.85	215.78	45.160		
5,700.00	5,510.73	5,536.73	5,536.73	31.20	191.57	150.80	1,533.71	-8,426.69	9,768.70	9,549.06	219.64	44.476		
5,800.00	5,606.92	5,632.92	5,632.92	31.77	194.93	150.88	1,533.71	-8,426.69	9,792.78	9,569.28	223.50	43.816		
5,900.00	5,703.11	5,729.11	5,729.11	32.34	198.29	150.96	1,533.71	-8,426.69	9,816.87	9,589.52	227.35	43.179		
6,000.00	5,799.31	5,825.31	5,825.31	32.91	201.64	151.03	1,533.71	-8,426.69	9,840.99	9,609.78	231.21	42.563		
6,100.00	5,895.50	5,921.50	5,921.50	33.48	205.00	151.11	1,533.71	-8,426.69	9,865.12	9,630.05	235.07	41.968		
6,200.00	5,991.69	6,017.69	6,017.69	34.05	208.36	151.19	1,533.71	-8,426.69	9,889.26	9,650.34	238.92	41.391		
6,300.00	6,087.89	6,113.89	6,113.89	34.62	211.72	151.26	1,533.71	-8,426.69	9,913.43	9,670.65	242.78	40.833		
6,400.00	6,184.08	6,210.08	6,210.08	35.19	215.07	151.34	1,533.71	-8,426.69	9,937.61	9,690.97	246.63	40.293		
6,500.00	6,280.27	6,306.27	6,306.27	35.77	218.43	151.41	1,533.71	-8,426.69	9,961.80	9,711.31	250.49	39.769		
6,535.30	6,314.23	6,340.23	6,340.23	35.97	219.62	151.44	1,533.71	-8,426.69	9,970.35	9,718.50	251.85	39.588		
6,550.00	6,328.40	6,354.40	6,354.40	36.05	220.11	147.94	1,533.71	-8,426.69	9,973.75	9,721.33	252.42	39.513		
6,600.00	6,377.01	6,403.01	6,403.01	36.31	221.81	132.54	1,533.71	-8,426.69	9,982.91	9,728.56	254.36	39.248		
6,650.00	6,426.08	6,452.08	6,452.08	36.54	223.52	111.45	1,533.71	-8,426.69	9,988.33	9,732.04	256.29	38.972		
6,700.00	6,475.08	6,501.08	6,501.08	36.73	225.23	88.59	1,533.71	-8,426.69	9,989.98	9,731.77	258.21	38.689		
6,750.00	6,523.94	6,549.94	6,549.94	36.90	226.94	70.07	1,533.71	-8,426.69	9,987.84	9,727.74	260.10	38.400		
6,800.00	6,572.28	6,601.72	6,601.72	37.05	228.74	57.47	1,533.71	-8,426.69	9,981.93	9,719.88	262.05	38.091		
6,850.00	6,619.81	6,645.81	6,645.81	37.19	230.28	49.29	1,533.71	-8,426.69	9,972.30	9,708.58	263.72	37.814		
6,900.00	6,666.23	6,707.77	6,692.23	37.32	232.45	43.92	1,533.71	-8,426.69	9,959.00	9,693.02	265.98	37.443		
6,950.00	6,711.25	6,737.25	6,737.25	37.46	233.48	40.37	1,533.71	-8,426.69	9,942.12	9,675.04	267.08	37.225		
7,000.00	6,754.60	6,780.60	6,780.60	37.61	234.99	38.04	1,533.71	-8,426.69	9,921.77	9,653.12	268.65	36.932		
7,050.00	6,796.01	6,822.01	6,822.01	37.77	236.43	36.61	1,533.71	-8,426.69	9,898.07	9,627.94	270.13	36.642		
7,100.00	6,835.22	6,861.22	6,861.22	37.94	237.80	35.88	1,533.71	-8,426.69	9,871.18	9,599.66	271.52	36.355		
7,150.00	6,871.99	6,902.01	6,897.99	38.12	239.23	35.74	1,533.71	-8,426.69	9,841.26	9,568.31	272.95	36.056		
7,200.00	6,906.10	6,932.10	6,932.10	38.34	240.28	36.16	1,533.71	-8,426.69	9,808.49	9,534.50	273.99	35.799		
7,250.00	6,937.34	6,963.34	6,963.34	38.57	241.37	37.14	1,533.71	-8,426.69	9,773.09	9,498.02	275.06	35.530		
7,300.00	6,965.51	7,008.49	6,991.51	38.84	242.94	38.75	1,533.71	-8,426.69	9,735.26	9,458.64	276.62	35.193		
7,350.00	6,990.44	7,016.44	7,016.44	39.14	243.22	41.07	1,533.71	-8,426.69	9,695.25	9,418.37	276.88	35.016		
7,400.00	7,011.97	7,037.97	7,037.97	39.47	243.97	44.30	1,533.71	-8,426.69	9,653.30	9,375.69	277.61	34.773		
7,450.00	7,029.98	7,055.98	7,055.98	39.85	244.60	48.68	1,533.71	-8,426.69	9,609.67	9,331.45	278.23	34.539		
7,500.00	7,044.34	7,070.34	7,070.34	40.26	245.10	54.60	1,533.71	-8,426.69	9,564.63	9,285.91	278.72	34.316		
7,550.00	7,054.99	7,080.99	7,080.99	40.72	245.47	62.53	1,533.71	-8,426.69	9,518.45	9,239.35	279.10	34.104		
7,600.00	7,061.83	7,087.83	7,087.83	41.21	245.71	72.94	1,533.71	-8,426.69	9,471.42	9,192.07	279.35	33.905		
7,650.00	7,064.85	7,109.15	7,090.85	41.73	246.46	85.94	1,533.71	-8,426.69	9,423.82	9,143.69	280.13	33.641		
7,661.89	7,065.00	7,109.00	7,091.00	41.86	246.45	89.35	1,533.71	-8,426.69	9,412.45	9,132.32	280.13	33.600		
7,700.00	7,065.13	7,108.87	7,091.13	42.28	246.45	89.35	1,533.71	-8,426.69	9,375.99	9,095.83	280.16	33.467		
7,800.00	7,065.47	7,108.53	7,091.47	43.53	246.44	89.36	1,533.71	-8,426.69	9,280.38	9,000.14	280.25	33.115		
7,900.00	7,065.82	7,108.18	7,091.82	44.94	246.42	89.37	1,533.71	-8,426.69	9,184.87	8,904.51	280.37	32.760		
8,000.00	7,066.16	7,107.84	7,092.16	46.50	246.41	89.38	1,533.71	-8,426.69	9,089.46	8,808.95	280.51	32.403		
8,100.00	7,066.50	7,107.50	7,092.50	48.19	246.40	89.38	1,533.71	-8,426.69	8,994.14	8,713.45	280.69	32.043		
8,200.00	7,066.85	7,107.15	7,092.85	50.00	246.39	89.39	1,533.71	-8,426.69	8,898.93	8,618.03	280.90	31.680		
8,300.00	7,067.19	7,106.81	7,093.19	51.91	246.38	89.40	1,533.71	-8,426.69	8,803.82	8,522.68	281.14	31.315		
8,400.00	7,067.54	7,106.47	7,093.54	53.92	246.36	89.40	1,533.71	-8,426.69	8,708.82	8,427.41	281.41	30.947		
8,500.00	7,067.88	7,106.12	7,093.88	56.01	246.35	89.41	1,533.71	-8,426.69	8,613.94	8,332.22	281.72	30.576		
8,600.00	7,068.22	7,105.78	7,094.22	58.16	246.34	89.42	1,533.71	-8,426.69	8,519.17	8,237.10	282.07	30.202		
8,700.00	7,068.57	7,105.43	7,094.57	60.38	246.33	89.43	1,533.71	-8,426.69	8,424.53	8,142.07	282.46	29.826		
8,800.00	7,068.91	7,105.09	7,094.91	62.65	246.32	89.43	1,533.71	-8,426.69	8,330.01	8,047.13	282.88	29.447		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,104.75	7,095.25	64.97	246.30	89.44	1,533.71	-8,426.69	8,235.62	7,952.27	283.35	29.066		
9,000.00	7,069.60	7,104.40	7,095.60	67.34	246.29	89.45	1,533.71	-8,426.69	8,141.36	7,857.51	283.85	28.682		
9,100.00	7,069.94	7,104.06	7,095.94	69.74	246.28	89.46	1,533.71	-8,426.69	8,047.24	7,762.84	284.40	28.295		
9,200.00	7,070.28	7,103.72	7,096.28	72.18	246.27	89.46	1,533.71	-8,426.69	7,953.26	7,668.27	284.99	27.907		
9,300.00	7,070.63	7,103.37	7,096.63	74.65	246.26	89.47	1,533.71	-8,426.69	7,859.44	7,573.81	285.63	27.516		
9,400.00	7,070.97	7,103.03	7,096.97	77.15	246.24	89.48	1,533.71	-8,426.69	7,765.77	7,479.45	286.31	27.123		
9,500.00	7,071.32	7,102.68	7,097.32	79.67	246.23	89.48	1,533.71	-8,426.69	7,672.25	7,385.21	287.04	26.729		
9,600.00	7,071.66	7,102.34	7,097.66	82.22	246.22	89.49	1,533.71	-8,426.69	7,578.91	7,291.08	287.82	26.332		
9,700.00	7,072.00	7,102.00	7,098.00	84.78	246.21	89.50	1,533.71	-8,426.69	7,485.73	7,197.08	288.65	25.934		
9,800.00	7,072.35	7,101.65	7,098.35	87.37	246.20	89.51	1,533.71	-8,426.69	7,392.73	7,103.21	289.52	25.534		
9,900.00	7,072.69	7,101.31	7,098.69	89.97	246.18	89.51	1,533.71	-8,426.69	7,299.92	7,009.47	290.45	25.133		
10,000.00	7,073.03	7,100.97	7,099.03	92.59	246.17	89.52	1,533.71	-8,426.69	7,207.30	6,915.87	291.43	24.731		
10,100.00	7,073.38	7,100.62	7,099.38	95.22	246.16	89.53	1,533.71	-8,426.69	7,114.88	6,822.42	292.46	24.327		
10,200.00	7,073.72	7,100.28	7,099.72	97.86	246.15	89.53	1,533.71	-8,426.69	7,022.67	6,729.12	293.55	23.923		
10,300.00	7,074.07	7,100.07	7,100.07	100.52	246.14	89.54	1,533.71	-8,426.69	6,930.67	6,635.98	294.70	23.518		
10,400.00	7,074.41	7,100.41	7,100.41	103.19	246.15	89.55	1,533.71	-8,426.69	6,838.90	6,542.98	295.92	23.111		
10,500.00	7,074.75	7,100.75	7,100.75	105.87	246.16	89.56	1,533.71	-8,426.69	6,747.36	6,450.17	297.20	22.703		
10,600.00	7,075.10	7,101.10	7,101.10	108.55	246.18	89.56	1,533.71	-8,426.69	6,656.07	6,357.53	298.54	22.296		
10,700.00	7,075.44	7,101.44	7,101.44	111.25	246.19	89.57	1,533.71	-8,426.69	6,565.03	6,265.09	299.93	21.888		
10,800.00	7,075.78	7,101.78	7,101.78	113.96	246.20	89.58	1,533.71	-8,426.69	6,474.25	6,172.86	301.39	21.481		
10,900.00	7,076.13	7,102.13	7,102.13	116.67	246.21	89.58	1,533.71	-8,426.69	6,383.75	6,080.84	302.92	21.074		
11,000.00	7,076.47	7,102.47	7,102.47	119.39	246.22	89.59	1,533.71	-8,426.69	6,293.54	5,989.04	304.50	20.668		
11,100.00	7,076.81	7,102.81	7,102.81	122.11	246.24	89.60	1,533.71	-8,426.69	6,203.63	5,897.47	306.15	20.263		
11,200.00	7,077.16	7,103.16	7,103.16	124.85	246.25	89.61	1,533.71	-8,426.69	6,114.03	5,806.15	307.87	19.859		
11,300.00	7,077.50	7,103.50	7,103.50	127.58	246.26	89.61	1,533.71	-8,426.69	6,024.75	5,715.09	309.66	19.456		
11,400.00	7,077.85	7,103.85	7,103.85	130.33	246.27	89.62	1,533.71	-8,426.69	5,935.82	5,624.30	311.52	19.054		
11,500.00	7,078.19	7,104.19	7,104.19	133.08	246.28	89.63	1,533.71	-8,426.69	5,847.25	5,533.80	313.45	18.655		
11,600.00	7,078.53	7,104.53	7,104.53	135.83	246.30	89.64	1,533.71	-8,426.69	5,759.05	5,443.60	315.45	18.256		
11,700.00	7,078.88	7,104.88	7,104.88	138.59	246.31	89.64	1,533.71	-8,426.69	5,671.25	5,353.71	317.54	17.860		
11,800.00	7,079.22	7,105.22	7,105.22	141.35	246.32	89.65	1,533.71	-8,426.69	5,583.85	5,264.15	319.70	17.466		
11,900.00	7,079.56	7,105.56	7,105.56	144.11	246.33	89.66	1,533.71	-8,426.69	5,496.88	5,174.94	321.94	17.074		
12,000.00	7,079.91	7,105.91	7,105.91	146.88	246.34	89.66	1,533.71	-8,426.69	5,410.36	5,086.10	324.26	16.685		
12,100.00	7,080.25	7,106.25	7,106.25	149.66	246.36	89.67	1,533.71	-8,426.69	5,324.32	4,997.65	326.67	16.299		
12,200.00	7,080.60	7,106.60	7,106.60	152.43	246.37	89.68	1,533.71	-8,426.69	5,238.77	4,909.61	329.17	15.915		
12,300.00	7,080.94	7,106.94	7,106.94	155.21	246.38	89.69	1,533.71	-8,426.69	5,153.74	4,821.99	331.75	15.535		
12,400.00	7,081.28	7,107.28	7,107.28	157.99	246.39	89.69	1,533.71	-8,426.69	5,069.26	4,734.83	334.43	15.158		
12,500.00	7,081.63	7,107.63	7,107.63	160.78	246.40	89.70	1,533.71	-8,426.69	4,985.35	4,648.15	337.21	14.784		
12,600.00	7,081.97	7,107.97	7,107.97	163.57	246.42	89.71	1,533.71	-8,426.69	4,902.05	4,561.97	340.08	14.414		
12,700.00	7,082.31	7,108.31	7,108.31	166.36	246.43	89.71	1,533.71	-8,426.69	4,819.38	4,476.32	343.06	14.048		
12,800.00	7,082.66	7,108.66	7,108.66	169.15	246.44	89.72	1,533.71	-8,426.69	4,737.38	4,391.25	346.13	13.687		
12,900.00	7,083.00	7,109.00	7,109.00	171.94	246.45	89.73	1,533.71	-8,426.69	4,656.08	4,306.76	349.32	13.329		
13,000.00	7,083.35	7,109.35	7,109.35	174.74	246.46	89.74	1,533.71	-8,426.69	4,575.53	4,222.91	352.61	12.976		
13,100.00	7,083.69	7,109.69	7,109.69	177.54	246.48	89.74	1,533.71	-8,426.69	4,495.75	4,139.73	356.02	12.628		
13,200.00	7,084.03	7,110.03	7,110.03	180.34	246.49	89.75	1,533.71	-8,426.69	4,416.80	4,057.26	359.54	12.285		
13,300.00	7,084.38	7,110.38	7,110.38	183.14	246.50	89.76	1,533.71	-8,426.69	4,338.72	3,975.54	363.18	11.947		
13,400.00	7,084.72	7,110.72	7,110.72	185.95	246.51	89.76	1,533.71	-8,426.69	4,261.55	3,894.61	366.94	11.614		
13,500.00	7,085.06	7,111.06	7,111.06	188.76	246.52	89.77	1,533.71	-8,426.69	4,185.35	3,814.53	370.82	11.287		
13,600.00	7,085.41	7,111.41	7,111.41	191.56	246.54	89.78	1,533.71	-8,426.69	4,110.17	3,735.35	374.82	10.966		
13,700.00	7,085.75	7,111.75	7,111.75	194.37	246.55	89.79	1,533.71	-8,426.69	4,036.06	3,657.12	378.95	10.651		
13,800.00	7,086.09	7,112.09	7,112.09	197.18	246.56	89.79	1,533.71	-8,426.69	3,963.10	3,579.89	383.20	10.342		
13,900.00	7,086.44	7,112.44	7,112.44	200.00	246.57	89.80	1,533.71	-8,426.69	3,891.33	3,503.75	387.58	10.040		
14,000.00	7,086.78	7,112.78	7,112.78	202.81	246.58	89.81	1,533.71	-8,426.69	3,820.84	3,428.75	392.09	9.745		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,113.13	7,113.13	205.63	246.60	89.82	1,533.71	-8,426.69	3,751.69	3,354.96	396.73	9.457		
14,200.00	7,087.47	7,113.47	7,113.47	208.44	246.61	89.82	1,533.71	-8,426.69	3,683.95	3,282.46	401.49	9.176		
14,300.00	7,087.81	7,113.81	7,113.81	211.26	246.62	89.83	1,533.71	-8,426.69	3,617.71	3,211.34	406.37	8.903		
14,400.00	7,088.16	7,114.16	7,114.16	214.08	246.63	89.84	1,533.71	-8,426.69	3,553.05	3,141.68	411.37	8.637		
14,500.00	7,088.50	7,114.50	7,114.50	216.90	246.64	89.84	1,533.71	-8,426.69	3,490.06	3,073.57	416.49	8.380		
14,600.00	7,088.84	7,114.84	7,114.84	219.72	246.66	89.85	1,533.71	-8,426.69	3,428.82	3,007.11	421.71	8.131		
14,700.00	7,089.19	7,115.19	7,115.19	222.54	246.67	89.86	1,533.71	-8,426.69	3,369.44	2,942.41	427.03	7.890		
14,800.00	7,089.53	7,115.53	7,115.53	225.37	246.68	89.87	1,533.71	-8,426.69	3,312.02	2,879.58	432.44	7.659		
14,900.00	7,089.88	7,115.88	7,115.88	228.19	246.69	89.87	1,533.71	-8,426.69	3,256.66	2,818.72	437.94	7.436		
15,000.00	7,090.22	7,116.22	7,116.22	231.02	246.70	89.88	1,533.71	-8,426.69	3,203.46	2,759.96	443.50	7.223		
15,100.00	7,090.56	7,116.56	7,116.56	233.84	246.72	89.89	1,533.71	-8,426.69	3,152.54	2,703.43	449.11	7.020		
15,200.00	7,090.91	7,116.91	7,116.91	236.67	246.73	89.89	1,533.71	-8,426.69	3,104.00	2,649.25	454.75	6.826		
15,227.29	7,091.00	7,117.00	7,117.00	237.44	246.73	89.90	1,533.71	-8,426.69	3,091.19	2,634.89	456.29	6.775		
15,300.00	7,091.25	7,117.25	7,117.25	239.49	246.74	89.91	1,533.71	-8,426.69	3,058.79	2,598.37	460.43	6.643		
15,326.57	7,091.35	7,117.35	7,117.35	240.24	246.74	89.91	1,533.71	-8,426.69	3,047.72	2,585.78	461.95	6.598		
15,400.00	7,091.60	7,117.60	7,117.60	242.30	246.75	89.92	1,533.71	-8,426.69	3,018.44	2,552.30	466.14	6.475		
15,500.00	7,091.96	7,117.96	7,117.96	245.12	246.76	89.92	1,533.71	-8,426.69	2,981.01	2,509.20	471.81	6.318		
15,600.00	7,092.31	7,118.31	7,118.31	247.93	246.78	89.93	1,533.71	-8,426.69	2,946.51	2,469.10	477.41	6.172		
15,700.00	7,092.66	7,118.66	7,118.66	250.75	246.79	89.94	1,533.71	-8,426.69	2,915.02	2,432.12	482.90	6.037		
15,800.00	7,093.01	7,119.01	7,119.01	253.56	246.80	89.94	1,533.71	-8,426.69	2,886.66	2,398.40	488.26	5.912		
15,900.00	7,093.36	7,119.36	7,119.36	256.38	246.81	89.95	1,533.71	-8,426.69	2,861.51	2,368.06	493.45	5.799		
16,000.00	7,093.71	7,119.71	7,119.71	259.20	246.83	89.96	1,533.71	-8,426.69	2,839.67	2,341.21	498.45	5.697		
16,100.00	7,094.07	7,120.07	7,120.07	262.02	246.84	89.97	1,533.71	-8,426.69	2,821.20	2,317.96	503.23	5.606		
16,200.00	7,094.42	7,120.42	7,120.42	264.84	246.85	89.97	1,533.71	-8,426.69	2,806.17	2,298.41	507.76	5.527		
16,300.00	7,094.77	7,120.77	7,120.77	267.65	246.86	89.98	1,533.71	-8,426.69	2,794.65	2,282.63	512.02	5.458		
16,400.00	7,095.12	7,121.12	7,121.12	270.47	246.88	89.99	1,533.71	-8,426.69	2,786.67	2,270.69	515.97	5.401		
16,500.00	7,095.47	7,121.47	7,121.47	273.30	246.89	89.99	1,533.71	-8,426.69	2,782.26	2,262.65	519.60	5.355		
16,572.75	7,095.73	7,121.73	7,121.73	275.35	246.90	90.00	1,533.71	-8,426.69	2,781.31	2,259.27	522.04	5.328 CC		
16,600.00	7,095.82	7,121.82	7,121.82	276.12	246.90	90.00	1,533.71	-8,426.69	2,781.44	2,258.54	522.90	5.319		
16,700.00	7,096.18	7,122.18	7,122.18	278.94	246.91	90.01	1,533.71	-8,426.69	2,784.22	2,258.37	525.84	5.295 ES		
16,800.00	7,096.53	7,122.53	7,122.53	281.76	246.92	90.02	1,533.71	-8,426.69	2,790.57	2,262.15	528.43	5.281		
16,900.00	7,096.88	7,122.88	7,122.88	284.58	246.94	90.02	1,533.71	-8,426.69	2,800.49	2,269.85	530.64	5.278 SF		
17,000.00	7,097.23	7,123.23	7,123.23	287.41	246.95	90.03	1,533.71	-8,426.69	2,813.93	2,281.44	532.49	5.284		
17,100.00	7,097.58	7,123.58	7,123.58	290.23	246.96	90.04	1,533.71	-8,426.69	2,830.84	2,296.86	533.98	5.301		
17,200.00	7,097.93	7,123.93	7,123.93	293.06	246.97	90.05	1,533.71	-8,426.69	2,851.16	2,316.05	535.11	5.328		
17,300.00	7,098.29	7,124.29	7,124.29	295.88	246.99	90.05	1,533.71	-8,426.69	2,874.81	2,338.91	535.90	5.364		
17,400.00	7,098.64	7,124.64	7,124.64	298.71	247.00	90.06	1,533.71	-8,426.69	2,901.72	2,365.37	536.35	5.410		
17,500.00	7,098.99	7,124.99	7,124.99	301.53	247.01	90.07	1,533.71	-8,426.69	2,931.80	2,395.31	536.49	5.465		
17,600.00	7,099.34	7,125.34	7,125.34	304.36	247.02	90.07	1,533.71	-8,426.69	2,964.94	2,428.61	536.33	5.528		
17,700.00	7,099.69	7,125.69	7,125.69	307.19	247.03	90.08	1,533.71	-8,426.69	3,001.06	2,465.16	535.90	5.600		
17,800.00	7,100.04	7,126.04	7,126.04	310.01	247.05	90.09	1,533.71	-8,426.69	3,040.03	2,504.83	535.20	5.680		
17,900.00	7,100.40	7,126.40	7,126.40	312.84	247.06	90.10	1,533.71	-8,426.69	3,081.76	2,547.48	534.28	5.768		
18,000.00	7,100.75	7,126.75	7,126.75	315.67	247.07	90.10	1,533.71	-8,426.69	3,126.13	2,592.98	533.14	5.864		
18,100.00	7,101.10	7,127.10	7,127.10	318.50	247.08	90.11	1,533.71	-8,426.69	3,173.03	2,641.21	531.82	5.966		
18,200.00	7,101.45	7,127.45	7,127.45	321.33	247.10	90.12	1,533.71	-8,426.69	3,222.35	2,692.03	530.32	6.076		
18,300.00	7,101.80	7,127.80	7,127.80	324.16	247.11	90.13	1,533.71	-8,426.69	3,273.99	2,745.32	528.67	6.193		
18,400.00	7,102.16	7,128.16	7,128.16	326.99	247.12	90.13	1,533.71	-8,426.69	3,327.83	2,800.93	526.90	6.316		
18,500.00	7,102.51	7,128.51	7,128.51	329.82	247.13	90.14	1,533.71	-8,426.69	3,383.77	2,858.76	525.01	6.445		
18,600.00	7,102.86	7,128.86	7,128.86	332.65	247.15	90.15	1,533.71	-8,426.69	3,441.71	2,918.67	523.03	6.580		
18,700.00	7,103.21	7,129.21	7,129.21	335.48	247.16	90.15	1,533.71	-8,426.69	3,501.54	2,980.57	520.97	6.721		
18,800.00	7,103.56	7,129.56	7,129.56	338.31	247.17	90.16	1,533.71	-8,426.69	3,563.18	3,044.32	518.85	6.867		
18,900.00	7,103.91	7,129.91	7,129.91	341.14	247.18	90.17	1,533.71	-8,426.69	3,626.52	3,109.84	516.68	7.019		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
18,924.52	7,104.00	7,130.00	7,130.00	341.83	247.19	90.17	1,533.71	-8,426.69	3,642.30	3,126.16	516.14	7.057	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-167.00	-2,681.28	-618.84	2,751.78					
100.00	100.00	83.45	83.45	3.28	3.28	-167.00	-2,681.40	-618.85	2,751.89	2,745.33	6.57	418.882		
200.00	200.00	188.45	188.45	3.34	3.33	-167.01	-2,681.66	-618.76	2,752.12	2,745.45	6.67	412.597		
300.00	299.98	282.44	282.44	3.44	3.43	60.03	-2,681.87	-618.60	2,751.42	2,744.56	6.87	400.596		
400.00	399.84	381.71	381.71	3.59	3.57	60.16	-2,682.20	-618.68	2,749.16	2,741.99	7.17	383.589		
500.00	499.45	483.99	483.99	3.80	3.77	60.40	-2,682.46	-618.87	2,745.11	2,737.55	7.56	362.975		
600.00	598.70	582.29	582.28	4.04	4.00	60.72	-2,682.68	-618.95	2,739.33	2,731.30	8.03	341.084		
700.00	697.47	692.34	692.34	4.32	4.28	61.17	-2,682.82	-618.88	2,731.77	2,723.17	8.60	317.624		
800.00	795.62	783.17	783.17	4.65	4.54	61.65	-2,682.79	-618.84	2,722.47	2,713.29	9.18	296.575		
900.00	893.06	876.95	876.95	5.02	4.83	62.24	-2,682.94	-619.05	2,711.89	2,702.07	9.82	276.093		
993.00	982.91	980.19	980.19	5.39	5.16	62.94	-2,683.02	-619.11	2,700.64	2,690.12	10.52	256.774		
1,000.00	989.65	988.35	988.34	5.42	5.18	62.98	-2,683.00	-619.10	2,699.73	2,689.15	10.57	255.317		
1,100.00	1,085.84	1,076.49	1,076.49	5.86	5.48	63.44	-2,682.84	-619.02	2,686.84	2,675.55	11.29	237.999		
1,200.00	1,182.03	1,169.68	1,169.68	6.32	5.81	63.94	-2,682.93	-619.10	2,674.45	2,662.40	12.05	221.860		
1,300.00	1,278.22	1,264.21	1,264.20	6.79	6.14	64.44	-2,683.06	-619.13	2,662.33	2,649.48	12.85	207.150		
1,400.00	1,374.42	1,361.50	1,361.49	7.28	6.50	64.96	-2,683.27	-619.11	2,650.47	2,636.79	13.68	193.723		
1,500.00	1,470.61	1,458.64	1,458.63	7.79	6.86	65.48	-2,683.42	-618.99	2,638.77	2,624.24	14.53	181.612		
1,600.00	1,566.80	1,556.13	1,556.13	8.30	7.23	66.01	-2,683.55	-618.90	2,627.28	2,611.89	15.39	170.661		
1,700.00	1,663.00	1,651.88	1,651.88	8.82	7.60	66.53	-2,683.68	-618.65	2,615.97	2,599.71	16.27	160.816		
1,800.00	1,759.19	1,747.62	1,747.62	9.34	7.97	67.07	-2,683.76	-618.76	2,604.97	2,587.82	17.15	151.888		
1,900.00	1,855.38	1,849.30	1,849.30	9.87	8.37	67.63	-2,683.84	-618.61	2,594.11	2,576.05	18.07	143.591		
2,000.00	1,951.58	1,942.63	1,942.62	10.41	8.74	68.16	-2,683.67	-618.62	2,583.32	2,564.36	18.96	136.257		
2,100.00	2,047.77	2,029.85	2,029.85	10.95	9.08	68.66	-2,683.80	-618.86	2,573.16	2,553.32	19.84	129.708		
2,200.00	2,143.96	2,130.03	2,130.02	11.49	9.48	69.24	-2,683.97	-619.27	2,563.32	2,542.55	20.77	123.394		
2,300.00	2,240.16	2,233.37	2,233.36	12.04	9.90	69.84	-2,683.84	-619.64	2,553.45	2,531.72	21.73	117.529		
2,400.00	2,336.35	2,333.03	2,333.03	12.58	10.30	70.43	-2,683.62	-619.85	2,543.72	2,521.05	22.67	112.207		
2,500.00	2,432.54	2,434.85	2,434.84	13.13	10.71	71.02	-2,683.26	-619.71	2,533.99	2,510.36	23.63	107.253		
2,600.00	2,528.74	2,530.90	2,530.89	13.69	11.10	71.59	-2,682.90	-619.49	2,524.47	2,499.91	24.57	102.764		
2,700.00	2,624.93	2,626.67	2,626.66	14.24	11.49	72.15	-2,682.51	-619.30	2,515.20	2,489.69	25.51	98.603		
2,800.00	2,721.12	2,718.62	2,718.61	14.80	11.87	72.70	-2,682.32	-618.95	2,506.29	2,479.85	26.44	94.788		
2,900.00	2,817.32	2,809.10	2,809.09	15.35	12.24	73.24	-2,682.32	-618.67	2,497.86	2,470.49	27.37	91.258		
3,000.00	2,913.51	2,909.55	2,909.54	15.91	12.65	73.84	-2,682.18	-618.69	2,489.72	2,461.38	28.34	87.841		
3,100.00	3,009.70	3,006.31	3,006.30	16.47	13.05	74.44	-2,681.87	-618.87	2,481.76	2,452.46	29.30	84.689		
3,200.00	3,105.90	3,095.97	3,095.95	17.03	13.42	74.99	-2,681.77	-618.90	2,474.21	2,443.97	30.24	81.816		
3,300.00	3,202.09	3,186.73	3,186.71	17.59	13.80	75.55	-2,681.89	-618.95	2,467.16	2,435.97	31.18	79.114		
3,400.00	3,298.28	3,281.32	3,281.31	18.15	14.19	76.13	-2,682.15	-619.08	2,460.54	2,428.39	32.15	76.544		
3,500.00	3,394.48	3,376.58	3,376.56	18.72	14.59	76.72	-2,682.59	-618.97	2,454.24	2,421.13	33.11	74.122		
3,600.00	3,490.67	3,470.27	3,470.26	19.28	14.98	77.29	-2,683.06	-618.91	2,448.28	2,414.21	34.07	71.857		
3,700.00	3,586.86	3,562.85	3,562.83	19.84	15.37	77.87	-2,683.64	-618.90	2,442.74	2,407.71	35.03	69.732		
3,800.00	3,683.06	3,656.45	3,656.43	20.41	15.76	78.45	-2,684.35	-618.95	2,437.62	2,401.63	35.99	67.723		
3,900.00	3,779.25	3,753.23	3,753.20	20.97	16.17	79.05	-2,685.14	-619.02	2,432.85	2,395.87	36.97	65.802		
4,000.00	3,875.44	3,851.24	3,851.21	21.54	16.58	79.66	-2,685.88	-619.06	2,428.29	2,390.33	37.96	63.975		
4,100.00	3,971.64	3,945.45	3,945.42	22.11	16.97	80.25	-2,686.62	-619.00	2,424.00	2,385.07	38.93	62.270		
4,200.00	4,067.83	4,038.32	4,038.29	22.67	17.36	80.83	-2,687.51	-619.00	2,420.17	2,380.28	39.89	60.666		
4,300.00	4,164.02	4,134.96	4,134.92	23.24	17.77	81.44	-2,688.54	-618.96	2,416.68	2,375.81	40.88	59.123		
4,400.00	4,260.22	4,231.46	4,231.41	23.81	18.18	82.04	-2,689.65	-618.70	2,413.43	2,371.58	41.86	57.658		
4,500.00	4,356.41	4,326.49	4,326.44	24.37	18.58	82.63	-2,690.80	-618.52	2,410.56	2,367.73	42.83	56.276		
4,600.00	4,452.60	4,425.16	4,425.10	24.94	18.99	83.25	-2,691.78	-618.47	2,407.88	2,364.05	43.83	54.940		
4,700.00	4,548.79	4,516.91	4,516.84	25.51	19.38	83.85	-2,692.46	-618.92	2,405.61	2,360.81	44.79	53.706		
4,800.00	4,644.99	4,615.60	4,615.53	26.08	19.80	84.49	-2,693.14	-619.50	2,403.65	2,357.87	45.79	52.497		
4,900.00	4,741.18	4,713.92	4,713.85	26.65	20.21	85.12	-2,693.88	-619.86	2,401.94	2,355.16	46.78	51.346		
5,000.00	4,837.37	4,818.42	4,818.34	27.21	20.65	85.78	-2,694.79	-619.66	2,400.27	2,352.48	47.80	50.217		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,915.30	4,915.22	27.78	21.06	86.39	-2,695.69	-619.18	2,398.76	2,349.98	48.78	49.171		
5,200.00	5,029.76	5,014.21	5,014.13	28.35	21.48	87.02	-2,696.44	-618.79	2,397.48	2,347.70	49.78	48.162		
5,300.00	5,125.95	5,112.89	5,112.80	28.92	21.90	87.65	-2,696.96	-618.50	2,396.38	2,345.60	50.77	47.197		
5,400.00	5,222.15	5,206.74	5,206.65	29.49	22.30	88.26	-2,697.38	-618.34	2,395.60	2,343.85	51.75	46.294		
5,500.00	5,318.34	5,303.92	5,303.83	30.06	22.71	88.88	-2,697.77	-618.27	2,395.15	2,342.41	52.73	45.419		
5,600.00	5,414.53	5,401.44	5,401.35	30.63	23.12	89.52	-2,698.07	-618.23	2,394.96	2,341.24	53.72	44.579		
5,609.29	5,423.47	5,410.49	5,410.40	30.68	23.16	89.57	-2,698.10	-618.23	2,394.96	2,341.14	53.82	44.503		
5,700.00	5,510.73	5,493.34	5,493.25	31.20	23.51	90.11	-2,698.39	-618.25	2,395.15	2,340.46	54.69	43.797		
5,800.00	5,606.92	5,588.98	5,588.89	31.77	23.92	90.73	-2,698.78	-618.35	2,395.74	2,340.07	55.67	43.036		
5,900.00	5,703.11	5,682.32	5,682.23	32.34	24.32	91.34	-2,699.13	-618.57	2,396.70	2,340.07	56.64	42.317		
6,000.00	5,799.31	5,775.27	5,775.18	32.91	24.71	91.95	-2,699.46	-618.98	2,398.10	2,340.50	57.60	41.631		
6,100.00	5,895.50	5,870.91	5,870.82	33.48	25.12	92.58	-2,699.72	-619.60	2,399.91	2,341.33	58.58	40.967		
6,200.00	5,991.69	5,965.37	5,965.27	34.05	25.52	93.21	-2,699.77	-620.44	2,402.04	2,342.49	59.55	40.335		
6,300.00	6,087.89	6,057.52	6,057.42	34.62	25.91	93.83	-2,699.58	-621.62	2,404.62	2,344.11	60.51	39.739		
6,400.00	6,184.08	6,151.98	6,151.87	35.19	26.31	94.47	-2,699.40	-623.02	2,407.67	2,346.19	61.48	39.162		
6,500.00	6,280.27	6,249.29	6,249.16	35.77	26.72	95.13	-2,699.03	-624.58	2,411.02	2,348.56	62.46	38.601		
6,535.30	6,314.23	6,283.72	6,283.59	35.97	26.86	95.36	-2,698.87	-625.14	2,412.27	2,349.46	62.81	38.409		
6,550.00	6,328.40	6,298.10	6,297.96	36.05	26.93	92.05	-2,698.80	-625.37	2,412.67	2,349.72	62.95	38.328		
6,600.00	6,377.01	6,344.42	6,344.28	36.31	27.12	77.07	-2,698.57	-626.14	2,412.17	2,348.77	63.40	38.045		
6,650.00	6,426.00	6,391.04	6,390.89	36.54	27.32	56.08	-2,698.34	-626.98	2,408.79	2,344.96	63.83	37.740		
6,700.00	6,475.08	6,439.27	6,439.11	36.73	27.52	33.01	-2,698.10	-627.89	2,402.50	2,338.27	64.22	37.408		
6,750.00	6,523.94	6,487.70	6,487.54	36.90	27.73	13.94	-2,697.84	-628.83	2,393.30	2,328.70	64.60	37.050		
6,800.00	6,572.28	6,538.61	6,538.43	37.05	27.95	0.46	-2,697.56	-629.81	2,381.20	2,316.24	64.96	36.656		
6,850.00	6,619.81	6,589.69	6,589.50	37.19	28.16	-8.99	-2,697.23	-630.74	2,366.22	2,300.90	65.32	36.226		
6,900.00	6,666.23	6,639.14	6,638.94	37.32	28.37	-16.03	-2,696.90	-631.57	2,348.45	2,282.79	65.66	35.765		
6,950.00	6,711.25	6,687.00	6,686.80	37.46	28.58	-21.70	-2,696.57	-632.30	2,328.04	2,262.04	66.00	35.272		
7,000.00	6,754.60	6,734.96	6,734.75	37.61	28.78	-26.63	-2,696.23	-632.96	2,305.11	2,238.77	66.35	34.743		
7,050.00	6,796.01	6,781.45	6,781.24	37.77	28.98	-31.21	-2,695.80	-633.55	2,279.82	2,213.13	66.69	34.184		
7,100.00	6,835.22	6,825.70	6,825.48	37.94	29.16	-35.69	-2,695.30	-634.08	2,252.36	2,185.32	67.04	33.599		
7,150.00	6,871.99	6,867.38	6,867.15	38.12	29.34	-40.24	-2,694.71	-634.56	2,222.96	2,155.58	67.38	32.989		
7,200.00	6,906.10	6,906.04	6,905.80	38.34	29.50	-44.96	-2,694.05	-635.00	2,191.88	2,124.14	67.73	32.360		
7,250.00	6,937.34	6,935.77	6,935.53	38.57	29.63	-49.78	-2,693.48	-635.38	2,159.42	2,091.35	68.07	31.725		
7,300.00	6,965.51	6,963.58	6,963.33	38.84	29.75	-54.82	-2,692.90	-635.80	2,125.88	2,057.47	68.41	31.073		
7,350.00	6,990.44	6,988.44	6,988.17	39.14	29.85	-60.04	-2,692.34	-636.23	2,091.56	2,022.78	68.78	30.411		
7,400.00	7,011.97	7,010.90	7,010.63	39.47	29.95	-65.38	-2,691.80	-636.66	2,056.72	1,987.57	69.16	29.740		
7,450.00	7,029.98	7,030.67	7,030.38	39.85	30.03	-70.75	-2,691.29	-637.06	2,021.68	1,952.12	69.56	29.065		
7,500.00	7,044.34	7,046.75	7,046.45	40.26	30.10	-75.97	-2,690.85	-637.40	1,986.73	1,916.76	69.98	28.392		
7,550.00	7,054.99	7,059.02	7,058.72	40.72	30.15	-80.92	-2,690.50	-637.67	1,952.21	1,881.79	70.41	27.725		
7,600.00	7,061.83	7,067.39	7,067.08	41.21	30.19	-85.48	-2,690.25	-637.85	1,918.41	1,847.54	70.87	27.069		
7,650.00	7,064.85	7,071.77	7,071.46	41.73	30.21	-89.57	-2,690.12	-637.95	1,885.64	1,814.29	71.35	26.429		
7,661.89	7,065.00	7,072.22	7,071.91	41.86	30.21	-90.47	-2,690.11	-637.96	1,878.03	1,806.57	71.46	26.280		
7,700.00	7,065.13	7,073.30	7,072.98	42.28	30.21	-90.51	-2,690.08	-637.99	1,854.00	1,782.15	71.85	25.804		
7,800.00	7,065.47	7,076.14	7,075.82	43.53	30.23	-90.62	-2,689.99	-638.05	1,793.26	1,720.27	73.00	24.567		
7,900.00	7,065.82	7,079.01	7,078.70	44.94	30.24	-90.74	-2,689.90	-638.12	1,736.16	1,661.82	74.34	23.355		
8,000.00	7,066.16	7,081.92	7,081.60	46.50	30.25	-90.85	-2,689.81	-638.19	1,683.06	1,607.18	75.87	22.182		
8,100.00	7,066.50	7,084.86	7,084.54	48.19	30.26	-90.97	-2,689.72	-638.26	1,634.35	1,556.75	77.60	21.060		
8,200.00	7,066.85	7,087.84	7,087.52	50.00	30.27	-91.08	-2,689.63	-638.33	1,590.45	1,510.94	79.51	20.003		
8,300.00	7,067.19	7,090.85	7,090.53	51.91	30.29	-91.20	-2,689.53	-638.40	1,551.74	1,470.18	81.57	19.024		
8,400.00	7,067.54	7,093.90	7,093.57	53.92	30.30	-91.32	-2,689.44	-638.47	1,518.65	1,434.90	83.74	18.134		
8,500.00	7,067.88	7,096.98	7,096.65	56.01	30.31	-91.45	-2,689.34	-638.55	1,491.52	1,405.53	86.00	17.344		
8,600.00	7,068.22	7,100.10	7,099.77	58.16	30.33	-91.57	-2,689.24	-638.62	1,470.71	1,382.44	88.27	16.661		
8,700.00	7,068.57	7,103.26	7,102.93	60.38	30.34	-91.69	-2,689.13	-638.70	1,456.47	1,365.95	90.52	16.090		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,106.46	7,106.12	62.65	30.35	-91.82	-2,689.03	-638.78	1,449.01	1,356.32	92.68	15.634		
8,858.57	7,069.11	7,108.35	7,108.01	64.01	30.36	-91.90	-2,688.97	-638.83	1,447.82	1,353.93	93.90	15.419 CC		
8,900.00	7,069.25	7,109.70	7,109.36	64.97	30.37	-91.95	-2,688.92	-638.86	1,448.42	1,353.70	94.72	15.292 ES		
9,000.00	7,069.60	7,112.98	7,112.63	67.34	30.38	-92.08	-2,688.81	-638.94	1,454.71	1,358.14	96.57	15.064		
9,100.00	7,069.94	7,116.29	7,115.95	69.74	30.40	-92.21	-2,688.70	-639.03	1,467.80	1,369.58	98.22	14.944		
9,200.00	7,070.28	7,119.65	7,119.30	72.18	30.41	-92.34	-2,688.58	-639.11	1,487.50	1,387.86	99.64	14.929 SF		
9,300.00	7,070.63	7,119.71	7,119.36	74.65	30.41	-92.35	-2,688.60	-639.10	1,513.58	1,412.75	100.83	15.011		
9,400.00	7,070.97	7,122.51	7,122.16	77.15	30.42	-92.46	-2,688.51	-639.17	1,545.69	1,443.90	101.78	15.186		
9,500.00	7,071.32	7,125.31	7,124.96	79.67	30.44	-92.57	-2,688.42	-639.24	1,583.46	1,480.95	102.52	15.446		
9,600.00	7,071.66	7,128.11	7,127.75	82.22	30.45	-92.68	-2,688.33	-639.31	1,626.51	1,523.46	103.05	15.784		
9,700.00	7,072.00	7,130.91	7,130.55	84.78	30.46	-92.79	-2,688.23	-639.38	1,674.43	1,571.03	103.40	16.194		
9,800.00	7,072.35	7,133.71	7,133.35	87.37	30.47	-92.90	-2,688.14	-639.44	1,726.81	1,623.22	103.59	16.670		
9,900.00	7,072.69	7,136.51	7,136.15	89.97	30.49	-93.01	-2,688.05	-639.51	1,783.25	1,679.60	103.65	17.204		
10,000.00	7,073.03	7,139.31	7,138.95	92.59	30.50	-93.12	-2,687.96	-639.58	1,843.40	1,739.79	103.60	17.793		
10,100.00	7,073.38	7,142.12	7,141.75	95.22	30.51	-93.23	-2,687.87	-639.65	1,906.89	1,803.42	103.47	18.430		
10,200.00	7,073.72	7,144.92	7,144.55	97.86	30.52	-93.34	-2,687.78	-639.72	1,973.40	1,870.14	103.26	19.111		
10,300.00	7,074.07	7,147.72	7,147.34	100.52	30.53	-93.45	-2,687.69	-639.79	2,042.64	1,939.64	103.00	19.831		
10,400.00	7,074.41	7,150.52	7,150.14	103.19	30.55	-93.56	-2,687.60	-639.85	2,114.34	2,011.65	102.70	20.588		
10,500.00	7,074.75	7,153.32	7,152.94	105.87	30.56	-93.67	-2,687.51	-639.92	2,188.26	2,085.90	102.37	21.377		
10,600.00	7,075.10	7,156.12	7,155.74	108.55	30.57	-93.78	-2,687.42	-639.99	2,264.18	2,162.17	102.01	22.195		
10,700.00	7,075.44	7,158.92	7,158.54	111.25	30.58	-93.90	-2,687.32	-640.06	2,341.91	2,240.26	101.64	23.040		
10,800.00	7,075.78	7,161.72	7,161.34	113.96	30.60	-94.01	-2,687.23	-640.13	2,421.26	2,319.99	101.27	23.909		
10,900.00	7,076.13	7,164.52	7,164.13	116.67	30.61	-94.12	-2,687.14	-640.20	2,502.10	2,401.21	100.89	24.799		
11,000.00	7,076.47	7,167.32	7,166.93	119.39	30.62	-94.23	-2,687.05	-640.26	2,584.27	2,483.76	100.52	25.710		
11,100.00	7,076.81	7,170.12	7,169.73	122.11	30.63	-94.34	-2,686.96	-640.33	2,667.66	2,567.52	100.15	26.638		
11,200.00	7,077.16	7,172.92	7,172.53	124.85	30.64	-94.45	-2,686.87	-640.40	2,752.15	2,652.37	99.78	27.582		
11,300.00	7,077.50	7,175.72	7,175.33	127.58	30.66	-94.56	-2,686.78	-640.47	2,837.65	2,738.23	99.42	28.541		
11,400.00	7,077.85	7,178.53	7,178.13	130.33	30.67	-94.67	-2,686.69	-640.54	2,924.07	2,824.99	99.07	29.514		
11,500.00	7,078.19	7,181.33	7,180.93	133.08	30.68	-94.78	-2,686.60	-640.61	3,011.32	2,912.58	98.74	30.498		
11,600.00	7,078.53	7,184.13	7,183.72	135.83	30.69	-94.89	-2,686.51	-640.67	3,099.34	3,000.93	98.41	31.494		
11,700.00	7,078.88	7,186.93	7,186.52	138.59	30.71	-95.00	-2,686.41	-640.74	3,188.07	3,089.98	98.09	32.500		
11,800.00	7,079.22	7,189.73	7,189.32	141.35	30.72	-95.11	-2,686.32	-640.81	3,277.44	3,179.65	97.79	33.516		
11,900.00	7,079.56	7,192.53	7,192.12	144.11	30.73	-95.22	-2,686.23	-640.88	3,367.41	3,269.91	97.49	34.539		
12,000.00	7,079.91	7,195.33	7,194.92	146.88	30.74	-95.33	-2,686.14	-640.95	3,457.93	3,360.71	97.21	35.571		
12,100.00	7,080.25	7,198.13	7,197.72	149.66	30.75	-95.44	-2,686.05	-641.02	3,548.95	3,452.01	96.94	36.610		
12,200.00	7,080.60	7,200.93	7,200.52	152.43	30.77	-95.55	-2,685.96	-641.08	3,640.44	3,543.76	96.68	37.655		
12,300.00	7,080.94	7,203.73	7,203.31	155.21	30.78	-95.66	-2,685.87	-641.15	3,732.37	3,635.94	96.43	38.705		
12,400.00	7,081.28	7,206.53	7,206.11	157.99	30.79	-95.77	-2,685.78	-641.22	3,824.70	3,728.51	96.19	39.762		
12,500.00	7,081.63	7,209.33	7,208.91	160.78	30.80	-95.88	-2,685.69	-641.29	3,917.40	3,821.44	95.96	40.823		
12,600.00	7,081.97	7,212.14	7,211.71	163.57	30.82	-95.99	-2,685.59	-641.36	4,010.46	3,914.72	95.74	41.888		
12,700.00	7,082.31	7,214.94	7,214.51	166.36	30.83	-96.10	-2,685.50	-641.43	4,103.84	4,008.30	95.53	42.958		
12,800.00	7,082.66	7,217.74	7,217.31	169.15	30.84	-96.21	-2,685.41	-641.49	4,197.52	4,102.19	95.33	44.031		
12,900.00	7,083.00	7,220.54	7,220.10	171.94	30.85	-96.32	-2,685.32	-641.56	4,291.48	4,196.34	95.14	45.108		
13,000.00	7,083.35	7,223.34	7,222.90	174.74	30.86	-96.43	-2,685.23	-641.63	4,385.71	4,290.76	94.96	46.187		
13,100.00	7,083.69	7,226.14	7,225.70	177.54	30.88	-96.54	-2,685.14	-641.70	4,480.19	4,385.41	94.78	47.270		
13,200.00	7,084.03	7,228.94	7,228.50	180.34	30.89	-96.65	-2,685.05	-641.77	4,574.90	4,480.29	94.61	48.354		
13,300.00	7,084.38	7,231.74	7,231.30	183.14	30.90	-96.76	-2,684.96	-641.84	4,669.83	4,575.38	94.45	49.441		
13,400.00	7,084.72	7,234.54	7,234.10	185.95	30.91	-96.87	-2,684.87	-641.90	4,764.97	4,670.67	94.30	50.530		
13,500.00	7,085.06	7,237.34	7,236.90	188.76	30.93	-96.98	-2,684.78	-641.97	4,860.30	4,766.14	94.15	51.621		
13,600.00	7,085.41	7,240.14	7,239.69	191.56	30.94	-97.09	-2,684.68	-642.04	4,955.81	4,861.79	94.01	52.713		
13,700.00	7,085.75	7,242.94	7,242.49	194.37	30.95	-97.20	-2,684.59	-642.11	5,051.49	4,957.61	93.88	53.806		
13,800.00	7,086.09	7,245.75	7,245.29	197.18	30.96	-97.31	-2,684.50	-642.18	5,147.34	5,053.58	93.76	54.901		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,248.55	7,248.09	200.00	30.97	-97.42	-2,684.41	-642.25	5,243.34	5,149.70	93.64	55.997		
14,000.00	7,086.78	7,251.35	7,250.89	202.81	30.99	-97.53	-2,684.32	-642.31	5,339.49	5,245.96	93.52	57.093		
14,100.00	7,087.13	7,254.15	7,253.69	205.63	31.00	-97.64	-2,684.23	-642.38	5,435.77	5,342.36	93.41	58.190		
14,200.00	7,087.47	7,256.95	7,256.49	208.44	31.01	-97.75	-2,684.14	-642.45	5,532.18	5,438.87	93.31	59.288		
14,300.00	7,087.81	7,259.75	7,259.28	211.26	31.02	-97.86	-2,684.05	-642.52	5,628.72	5,535.51	93.21	60.386		
14,400.00	7,088.16	7,262.55	7,262.08	214.08	31.04	-97.97	-2,683.96	-642.59	5,725.38	5,632.26	93.12	61.484		
14,500.00	7,088.50	7,265.35	7,264.88	216.90	31.05	-98.08	-2,683.87	-642.66	5,822.14	5,729.11	93.03	62.583		
14,600.00	7,088.84	7,268.15	7,267.68	219.72	31.06	-98.19	-2,683.77	-642.72	5,919.02	5,826.07	92.95	63.681		
14,700.00	7,089.19	7,270.95	7,270.48	222.54	31.07	-98.30	-2,683.68	-642.79	6,015.99	5,923.12	92.87	64.779		
14,800.00	7,089.53	7,273.75	7,273.28	225.37	31.09	-98.41	-2,683.59	-642.86	6,113.06	6,020.27	92.79	65.878		
14,900.00	7,089.88	7,276.55	7,276.07	228.19	31.10	-98.52	-2,683.50	-642.93	6,210.22	6,117.50	92.72	66.976		
15,000.00	7,090.22	7,279.36	7,278.87	231.02	31.11	-98.63	-2,683.41	-643.00	6,307.47	6,214.81	92.66	68.073		
15,100.00	7,090.56	7,282.16	7,281.67	233.84	31.12	-98.74	-2,683.32	-643.07	6,404.80	6,312.21	92.59	69.170		
15,200.00	7,090.91	7,284.96	7,284.47	236.67	31.13	-98.85	-2,683.23	-643.13	6,502.22	6,409.68	92.54	70.267		
15,227.29	7,091.00	7,285.72	7,285.23	237.44	31.14	-98.88	-2,683.20	-643.15	6,528.81	6,436.29	92.52	70.566		
15,300.00	7,091.25	7,287.73	7,287.24	239.49	31.15	-98.07	-2,683.14	-643.20	6,599.50	6,507.02	92.48	71.364		
15,326.57	7,091.35	7,288.45	7,287.96	240.24	31.15	-97.81	-2,683.11	-643.22	6,625.23	6,532.77	92.46	71.657		
15,400.00	7,091.60	7,290.43	7,289.94	242.30	31.16	-97.88	-2,683.05	-643.27	6,696.29	6,603.88	92.41	72.465		
15,500.00	7,091.96	7,293.12	7,292.63	245.12	31.17	-97.97	-2,682.96	-643.33	6,793.14	6,700.80	92.34	73.564		
15,600.00	7,092.31	7,295.82	7,295.32	247.93	31.18	-98.06	-2,682.87	-643.40	6,890.08	6,797.80	92.28	74.663		
15,700.00	7,092.66	7,298.51	7,298.02	250.75	31.19	-98.16	-2,682.79	-643.47	6,987.11	6,894.89	92.22	75.762		
15,800.00	7,093.01	7,301.21	7,300.71	253.56	31.21	-98.25	-2,682.70	-643.53	7,084.22	6,992.05	92.17	76.860		
15,900.00	7,093.36	7,303.90	7,303.40	256.38	31.22	-98.34	-2,682.61	-643.60	7,181.41	7,089.29	92.12	77.957		
16,000.00	7,093.71	7,306.60	7,306.10	259.20	31.23	-98.43	-2,682.52	-643.66	7,278.67	7,186.60	92.07	79.053		
16,100.00	7,094.07	7,309.29	7,308.79	262.02	31.24	-98.52	-2,682.44	-643.73	7,376.01	7,283.98	92.03	80.148		
16,200.00	7,094.42	7,311.99	7,311.48	264.84	31.25	-98.61	-2,682.35	-643.79	7,473.41	7,381.42	91.99	81.242		
16,300.00	7,094.77	7,314.69	7,314.17	267.65	31.26	-98.70	-2,682.26	-643.86	7,570.88	7,478.93	91.95	82.335		
16,400.00	7,095.12	7,317.38	7,316.87	270.47	31.28	-98.79	-2,682.17	-643.93	7,668.42	7,576.50	91.92	83.427		
16,500.00	7,095.47	7,320.08	7,319.56	273.30	31.29	-98.89	-2,682.09	-643.99	7,766.01	7,674.13	91.89	84.517		
16,600.00	7,095.82	7,322.77	7,322.25	276.12	31.30	-98.98	-2,682.00	-644.06	7,863.67	7,771.81	91.86	85.607		
16,700.00	7,096.18	7,325.47	7,324.95	278.94	31.31	-99.07	-2,681.91	-644.12	7,961.39	7,869.55	91.83	86.695		
16,800.00	7,096.53	7,328.16	7,327.64	281.76	31.32	-99.16	-2,681.82	-644.19	8,059.15	7,967.34	91.81	87.781		
16,900.00	7,096.88	7,330.86	7,330.33	284.58	31.34	-99.25	-2,681.74	-644.25	8,156.98	8,065.19	91.79	88.867		
17,000.00	7,097.23	7,333.55	7,333.02	287.41	31.35	-99.34	-2,681.65	-644.32	8,254.85	8,163.08	91.77	89.950		
17,100.00	7,097.58	7,336.25	7,335.72	290.23	31.36	-99.43	-2,681.56	-644.39	8,352.77	8,261.02	91.76	91.032		
17,200.00	7,097.93	7,338.94	7,338.41	293.06	31.37	-99.52	-2,681.47	-644.45	8,450.74	8,359.00	91.74	92.113		
17,300.00	7,098.29	7,341.64	7,341.10	295.88	31.38	-99.61	-2,681.39	-644.52	8,548.76	8,457.03	91.73	93.192		
17,400.00	7,098.64	7,344.33	7,343.80	298.71	31.40	-99.70	-2,681.30	-644.58	8,646.82	8,555.10	91.72	94.269		
17,500.00	7,098.99	7,347.03	7,346.49	301.53	31.41	-99.79	-2,681.21	-644.65	8,744.93	8,653.21	91.72	95.345		
17,600.00	7,099.34	7,349.72	7,349.18	304.36	31.42	-99.89	-2,681.12	-644.72	8,843.07	8,751.36	91.72	96.419		
17,700.00	7,099.69	7,352.42	7,351.88	307.19	31.43	-99.98	-2,681.03	-644.78	8,941.26	8,849.55	91.71	97.491		
17,800.00	7,100.04	7,355.11	7,354.57	310.01	31.44	-100.07	-2,680.95	-644.85	9,039.49	8,947.77	91.71	98.561		
17,900.00	7,100.40	7,357.81	7,357.26	312.84	31.45	-100.16	-2,680.86	-644.91	9,137.75	9,046.03	91.72	99.630		
18,000.00	7,100.75	7,360.50	7,359.95	315.67	31.47	-100.25	-2,680.77	-644.98	9,236.05	9,144.33	91.72	100.696		
18,100.00	7,101.10	7,363.20	7,362.65	318.50	31.48	-100.34	-2,680.68	-645.04	9,334.38	9,242.65	91.73	101.761		
18,200.00	7,101.45	7,365.89	7,365.34	321.33	31.49	-100.43	-2,680.60	-645.11	9,432.75	9,341.01	91.74	102.823		
18,300.00	7,101.80	7,368.59	7,368.03	324.16	31.50	-100.52	-2,680.51	-645.18	9,531.15	9,439.41	91.75	103.884		
18,400.00	7,102.16	7,371.28	7,370.73	326.99	31.51	-100.61	-2,680.42	-645.24	9,629.59	9,537.83	91.76	104.942		
18,500.00	7,102.51	7,373.98	7,373.42	329.82	31.53	-100.70	-2,680.33	-645.31	9,728.06	9,636.28	91.78	105.999		
18,600.00	7,102.86	7,376.67	7,376.11	332.65	31.54	-100.79	-2,680.25	-645.37	9,826.55	9,734.76	91.79	107.053		
18,700.00	7,103.21	7,379.37	7,378.81	335.48	31.55	-100.88	-2,680.16	-645.44	9,925.08	9,833.27	91.81	108.105		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-155.01	-3,750.83	-1,748.39	4,138.50					
100.00	100.00	60.00	60.00	3.28	3.44	-155.01	-3,750.83	-1,748.39	4,138.31	4,131.58	6.73	615.100		
200.00	200.00	160.00	160.00	3.34	5.05	-155.01	-3,750.83	-1,748.39	4,138.31	4,129.92	8.39	493.404		
300.00	299.98	259.98	259.98	3.44	8.03	72.03	-3,750.83	-1,748.39	4,137.77	4,126.30	11.47	360.707		
400.00	399.84	359.84	359.84	3.59	11.30	72.12	-3,750.83	-1,748.39	4,136.16	4,121.26	14.89	277.692		
500.00	499.45	459.45	459.45	3.80	14.67	72.29	-3,750.83	-1,748.39	4,133.48	4,115.03	18.46	223.950		
600.00	598.70	558.70	558.70	4.04	18.06	72.52	-3,750.83	-1,748.39	4,129.77	4,107.68	22.09	186.911		
700.00	697.47	657.47	657.47	4.32	21.46	72.82	-3,750.83	-1,748.39	4,125.06	4,099.28	25.78	160.013		
800.00	795.62	755.62	755.62	4.65	24.85	73.17	-3,750.83	-1,748.39	4,119.39	4,089.89	29.50	139.663		
900.00	893.06	853.06	853.06	5.02	28.23	73.59	-3,750.83	-1,748.39	4,112.80	4,079.57	33.23	123.761		
993.00	982.91	942.91	942.91	5.39	31.34	74.04	-3,750.83	-1,748.39	4,105.90	4,069.18	36.72	111.818		
1,000.00	989.65	949.65	949.65	5.42	31.58	74.06	-3,750.83	-1,748.39	4,105.36	4,068.38	36.98	111.008		
1,100.00	1,085.84	1,045.84	1,045.84	5.86	34.92	74.42	-3,750.83	-1,748.39	4,097.66	4,056.91	40.75	100.547		
1,200.00	1,182.03	1,142.03	1,142.03	6.32	38.26	74.77	-3,750.83	-1,748.39	4,090.14	4,045.59	44.55	91.811		
1,300.00	1,278.22	1,238.22	1,238.22	6.79	41.61	75.13	-3,750.83	-1,748.39	4,082.78	4,034.42	48.37	84.415		
1,400.00	1,374.42	1,334.42	1,334.42	7.28	44.96	75.49	-3,750.83	-1,748.39	4,075.60	4,023.40	52.20	78.080		
1,500.00	1,470.61	1,430.61	1,430.61	7.79	48.31	75.85	-3,750.83	-1,748.39	4,068.58	4,012.54	56.04	72.597		
1,600.00	1,566.80	1,526.80	1,526.80	8.30	51.66	76.21	-3,750.83	-1,748.39	4,061.73	4,001.84	59.90	67.809		
1,700.00	1,663.00	1,623.00	1,623.00	8.82	55.01	76.57	-3,750.83	-1,748.39	4,055.06	3,991.30	63.76	63.594		
1,800.00	1,759.19	1,719.19	1,719.19	9.34	58.36	76.93	-3,750.83	-1,748.39	4,048.56	3,980.93	67.64	59.856		
1,900.00	1,855.38	1,815.38	1,815.38	9.87	61.72	77.29	-3,750.83	-1,748.39	4,042.24	3,970.72	71.52	56.521		
2,000.00	1,951.58	1,911.58	1,911.58	10.41	65.07	77.66	-3,750.83	-1,748.39	4,036.09	3,960.69	75.40	53.527		
2,100.00	2,047.77	2,007.77	2,007.77	10.95	68.42	78.02	-3,750.83	-1,748.39	4,030.12	3,950.83	79.29	50.825		
2,200.00	2,143.96	2,103.96	2,103.96	11.49	71.78	78.39	-3,750.83	-1,748.39	4,024.32	3,941.14	83.19	48.376		
2,300.00	2,240.16	2,200.16	2,200.16	12.04	75.13	78.76	-3,750.83	-1,748.39	4,018.70	3,931.62	87.09	46.146		
2,400.00	2,336.35	2,296.35	2,296.35	12.58	78.74	79.13	-3,750.83	-1,748.39	4,013.26	3,922.02	91.24	43.985		
2,500.00	2,432.54	2,402.54	2,402.54	13.13	82.36	79.50	-3,750.83	-1,748.39	4,008.00	3,912.59	95.41	42.007		
2,600.00	2,528.74	2,488.74	2,488.74	13.69	85.20	79.87	-3,750.83	-1,748.39	4,002.92	3,904.12	99.80	40.516		
2,700.00	2,624.93	2,584.93	2,584.93	14.24	88.56	80.24	-3,750.83	-1,748.39	3,998.02	3,895.31	102.71	38.926		
2,800.00	2,721.12	2,681.12	2,681.12	14.80	91.91	80.61	-3,750.83	-1,748.39	3,993.30	3,886.68	106.62	37.453		
2,900.00	2,817.32	2,777.32	2,777.32	15.35	95.27	80.98	-3,750.83	-1,748.39	3,988.76	3,878.23	110.53	36.086		
3,000.00	2,913.51	2,873.51	2,873.51	15.91	98.62	81.36	-3,750.83	-1,748.39	3,984.40	3,869.96	114.45	34.814		
3,100.00	3,009.70	2,969.70	2,969.70	16.47	101.98	81.73	-3,750.83	-1,748.39	3,980.23	3,861.86	118.37	33.626		
3,200.00	3,105.90	3,065.90	3,065.90	17.03	105.34	82.11	-3,750.83	-1,748.39	3,976.24	3,853.96	122.29	32.516		
3,300.00	3,202.09	3,162.09	3,162.09	17.59	108.69	82.48	-3,750.83	-1,748.39	3,972.44	3,846.23	126.20	31.476		
3,400.00	3,298.28	3,258.28	3,258.28	18.15	112.05	82.86	-3,750.83	-1,748.39	3,968.81	3,838.69	130.13	30.500		
3,500.00	3,394.48	3,354.48	3,354.48	18.72	115.41	83.24	-3,750.83	-1,748.39	3,965.38	3,831.33	134.05	29.582		
3,600.00	3,490.67	3,450.67	3,450.67	19.28	118.76	83.61	-3,750.83	-1,748.39	3,962.13	3,824.16	137.97	28.717		
3,700.00	3,586.86	3,546.86	3,546.86	19.84	122.12	83.99	-3,750.83	-1,748.39	3,959.06	3,817.17	141.89	27.902		
3,800.00	3,683.06	3,643.06	3,643.06	20.41	125.48	84.37	-3,750.83	-1,748.39	3,956.18	3,810.36	145.82	27.131		
3,900.00	3,779.25	3,739.25	3,739.25	20.97	128.83	84.75	-3,750.83	-1,748.39	3,953.49	3,803.75	149.74	26.402		
4,000.00	3,875.44	3,835.44	3,835.44	21.54	132.19	85.13	-3,750.83	-1,748.39	3,950.99	3,797.32	153.67	25.711		
4,100.00	3,971.64	3,931.64	3,931.64	22.11	135.55	85.51	-3,750.83	-1,748.39	3,948.67	3,791.07	157.60	25.056		
4,200.00	4,067.83	4,027.83	4,027.83	22.67	138.91	85.89	-3,750.83	-1,748.39	3,946.54	3,785.02	161.52	24.433		
4,300.00	4,164.02	4,124.02	4,124.02	23.24	142.26	86.27	-3,750.83	-1,748.39	3,944.60	3,779.15	165.45	23.841		
4,400.00	4,260.22	4,220.22	4,220.22	23.81	145.62	86.65	-3,750.83	-1,748.39	3,942.85	3,773.47	169.38	23.278		
4,500.00	4,356.41	4,316.41	4,316.41	24.37	148.98	87.04	-3,750.83	-1,748.39	3,941.28	3,767.98	173.31	22.741		
4,600.00	4,452.60	4,412.60	4,412.60	24.94	152.33	87.42	-3,750.83	-1,748.39	3,939.91	3,762.67	177.24	22.230		
4,700.00	4,548.79	4,508.79	4,508.79	25.51	155.69	87.80	-3,750.83	-1,748.39	3,938.72	3,757.56	181.17	21.741		
4,800.00	4,644.99	4,604.99	4,604.99	26.08	159.05	88.18	-3,750.83	-1,748.39	3,937.73	3,752.63	185.10	21.274		
4,900.00	4,741.18	4,701.18	4,701.18	26.65	162.41	88.56	-3,750.83	-1,748.39	3,936.92	3,747.90	189.03	20.828		
5,000.00	4,837.37	4,802.63	4,797.37	27.21	165.95	88.95	-3,750.83	-1,748.39	3,936.30	3,743.17	193.14	20.381		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,906.43	4,893.57	27.78	169.57	89.33	-3,750.83	-1,748.39	3,935.88	3,738.54	197.33	19.945		
5,200.00	5,029.76	4,989.76	4,989.76	28.35	172.48	89.71	-3,750.83	-1,748.39	3,935.64	3,734.82	200.81	19.598		
5,275.34	5,102.23	5,062.23	5,062.23	28.78	175.01	90.00	-3,750.83	-1,748.39	3,935.58	3,731.81	203.77	19.313		
5,300.00	5,125.95	5,085.95	5,085.95	28.92	175.84	90.09	-3,750.83	-1,748.39	3,935.59	3,730.85	204.74	19.222		
5,400.00	5,222.15	5,182.15	5,182.15	29.49	179.19	90.48	-3,750.83	-1,748.39	3,935.73	3,727.06	208.67	18.861		
5,500.00	5,318.34	5,278.34	5,278.34	30.06	182.55	90.86	-3,750.83	-1,748.39	3,936.06	3,723.46	212.60	18.514		
5,600.00	5,414.53	5,374.53	5,374.53	30.63	185.91	91.24	-3,750.83	-1,748.39	3,936.58	3,720.05	216.53	18.180		
5,700.00	5,510.73	5,470.73	5,470.73	31.20	189.27	91.62	-3,750.83	-1,748.39	3,937.29	3,716.83	220.46	17.859		
5,800.00	5,606.92	5,566.92	5,566.92	31.77	192.62	92.01	-3,750.83	-1,748.39	3,938.19	3,713.80	224.39	17.550		
5,900.00	5,703.11	5,663.11	5,663.11	32.34	195.98	92.39	-3,750.83	-1,748.39	3,939.28	3,710.96	228.32	17.253		
6,000.00	5,799.31	5,759.31	5,759.31	32.91	199.34	92.77	-3,750.83	-1,748.39	3,940.56	3,708.31	232.25	16.967		
6,100.00	5,895.50	5,855.50	5,855.50	33.48	202.70	93.15	-3,750.83	-1,748.39	3,942.03	3,705.85	236.18	16.691		
6,200.00	5,991.69	5,951.69	5,951.69	34.05	206.05	93.53	-3,750.83	-1,748.39	3,943.69	3,703.58	240.11	16.425		
6,300.00	6,087.89	6,047.89	6,047.89	34.62	209.41	93.92	-3,750.83	-1,748.39	3,945.53	3,701.50	244.04	16.168		
6,400.00	6,184.08	6,144.08	6,144.08	35.19	212.77	94.30	-3,750.83	-1,748.39	3,947.57	3,699.60	247.96	15.920		
6,500.00	6,280.27	6,240.27	6,240.27	35.77	216.13	94.68	-3,750.83	-1,748.39	3,949.79	3,697.90	251.89	15.681		
6,535.30	6,314.23	6,274.23	6,274.23	35.97	217.31	94.81	-3,750.83	-1,748.39	3,950.62	3,697.34	253.28	15.598		
6,550.00	6,328.40	6,288.40	6,288.40	36.05	217.81	91.45	-3,750.83	-1,748.39	3,950.84	3,696.99	253.85	15.563		
6,600.00	6,377.01	6,337.01	6,337.01	36.31	219.50	76.32	-3,750.83	-1,748.39	3,949.72	3,693.91	255.81	15.440		
6,650.00	6,426.00	6,386.00	6,386.00	36.54	221.21	55.21	-3,750.83	-1,748.39	3,945.69	3,687.94	257.75	15.308		
6,700.00	6,475.08	6,435.08	6,435.08	36.73	222.93	32.00	-3,750.83	-1,748.39	3,938.74	3,679.08	259.66	15.169		
6,750.00	6,523.94	6,483.94	6,483.94	36.90	224.63	12.83	-3,750.83	-1,748.39	3,928.90	3,667.38	261.53	15.023		
6,800.00	6,572.28	6,532.28	6,532.28	37.05	226.32	-0.75	-3,750.83	-1,748.39	3,916.24	3,652.88	263.36	14.870		
6,850.00	6,619.81	6,579.81	6,579.81	37.19	227.98	-10.27	-3,750.83	-1,748.39	3,900.83	3,635.67	265.16	14.711		
6,900.00	6,666.23	6,626.23	6,626.23	37.32	229.60	-17.34	-3,750.83	-1,748.39	3,882.76	3,615.84	266.92	14.547		
6,950.00	6,711.25	6,671.25	6,671.25	37.46	231.17	-23.00	-3,750.83	-1,748.39	3,862.15	3,593.53	268.62	14.378		
7,000.00	6,754.60	6,714.60	6,714.60	37.61	232.68	-27.87	-3,750.83	-1,748.39	3,839.15	3,568.87	270.27	14.205		
7,050.00	6,796.01	6,756.01	6,756.01	37.77	234.13	-32.34	-3,750.83	-1,748.39	3,813.92	3,542.05	271.87	14.029		
7,100.00	6,835.22	6,804.78	6,795.22	37.94	235.83	-36.65	-3,750.83	-1,748.39	3,786.63	3,512.90	273.73	13.834		
7,150.00	6,871.99	6,831.99	6,831.99	38.12	236.78	-40.96	-3,750.83	-1,748.39	3,757.49	3,482.64	274.85	13.671		
7,200.00	6,906.10	6,866.10	6,866.10	38.34	237.97	-45.36	-3,750.83	-1,748.39	3,726.71	3,450.49	276.22	13.492		
7,250.00	6,937.34	6,902.66	6,897.34	38.57	239.25	-49.94	-3,750.83	-1,748.39	3,694.51	3,416.81	277.70	13.304		
7,300.00	6,965.51	6,925.51	6,925.51	38.84	240.05	-54.70	-3,750.83	-1,748.39	3,661.14	3,382.42	278.72	13.136		
7,350.00	6,990.44	6,950.44	6,950.44	39.14	240.92	-59.63	-3,750.83	-1,748.39	3,626.85	3,347.01	279.84	12.961		
7,400.00	7,011.97	6,971.97	6,971.97	39.47	241.67	-64.70	-3,750.83	-1,748.39	3,591.89	3,311.03	280.86	12.789		
7,450.00	7,029.98	6,989.98	6,989.98	39.85	242.30	-69.82	-3,750.83	-1,748.39	3,556.53	3,274.74	281.78	12.621		
7,500.00	7,044.34	7,004.34	7,004.34	40.26	242.80	-74.90	-3,750.83	-1,748.39	3,521.02	3,238.41	282.61	12.459		
7,550.00	7,054.99	7,014.99	7,014.99	40.72	243.17	-79.83	-3,750.83	-1,748.39	3,485.64	3,202.30	283.33	12.302		
7,600.00	7,061.83	7,021.83	7,021.83	41.21	243.41	-84.50	-3,750.83	-1,748.39	3,450.64	3,166.68	283.95	12.152		
7,650.00	7,064.85	7,024.85	7,024.85	41.73	243.51	-88.84	-3,750.83	-1,748.39	3,416.27	3,131.81	284.46	12.010		
7,661.89	7,065.00	7,025.00	7,025.00	41.86	243.52	-89.82	-3,750.83	-1,748.39	3,408.22	3,123.65	284.57	11.977		
7,700.00	7,065.13	7,025.13	7,025.13	42.28	243.52	-89.82	-3,750.83	-1,748.39	3,382.61	3,097.70	284.91	11.873		
7,800.00	7,065.47	7,025.47	7,025.47	43.53	243.54	-89.83	-3,750.83	-1,748.39	3,316.56	3,030.66	285.90	11.600		
7,900.00	7,065.82	7,025.82	7,025.82	44.94	243.55	-89.84	-3,750.83	-1,748.39	3,252.25	2,965.20	287.04	11.330		
8,000.00	7,066.16	7,026.16	7,026.16	46.50	243.56	-89.85	-3,750.83	-1,748.39	3,189.77	2,901.43	288.34	11.062		
8,100.00	7,066.50	7,026.50	7,026.50	48.19	243.57	-89.85	-3,750.83	-1,748.39	3,129.24	2,839.45	289.79	10.798		
8,200.00	7,066.85	7,026.85	7,026.85	50.00	243.58	-89.86	-3,750.83	-1,748.39	3,070.78	2,779.38	291.40	10.538		
8,300.00	7,067.19	7,027.19	7,027.19	51.91	243.60	-89.87	-3,750.83	-1,748.39	3,014.50	2,721.35	293.15	10.283		
8,400.00	7,067.54	7,027.54	7,027.54	53.92	243.61	-89.88	-3,750.83	-1,748.39	2,960.53	2,665.47	295.06	10.034		
8,500.00	7,067.88	7,027.88	7,027.88	56.01	243.62	-89.89	-3,750.83	-1,748.39	2,909.00	2,611.89	297.11	9.791		
8,600.00	7,068.22	7,028.22	7,028.22	58.16	243.63	-89.89	-3,750.83	-1,748.39	2,860.03	2,560.74	299.29	9.556		
8,700.00	7,068.57	7,028.57	7,028.57	60.38	243.64	-89.90	-3,750.83	-1,748.39	2,813.77	2,512.18	301.60	9.330		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,028.91	7,028.91	62.65	243.66	-89.91	-3,750.83	-1,748.39	2,770.35	2,466.33	304.02	9.112		
8,900.00	7,069.25	7,029.25	7,029.25	64.97	243.67	-89.92	-3,750.83	-1,748.39	2,729.90	2,423.36	306.55	8.905		
9,000.00	7,069.60	7,029.60	7,029.60	67.34	243.68	-89.92	-3,750.83	-1,748.39	2,692.56	2,383.40	309.16	8.709		
9,100.00	7,069.94	7,029.94	7,029.94	69.74	243.69	-89.93	-3,750.83	-1,748.39	2,658.46	2,346.62	311.85	8.525		
9,200.00	7,070.28	7,030.28	7,030.28	72.18	243.70	-89.94	-3,750.83	-1,748.39	2,627.73	2,313.14	314.59	8.353		
9,300.00	7,070.63	7,030.63	7,030.63	74.65	243.72	-89.95	-3,750.83	-1,748.39	2,600.48	2,283.11	317.37	8.194		
9,400.00	7,070.97	7,030.97	7,030.97	77.15	243.73	-89.96	-3,750.83	-1,748.39	2,576.82	2,256.66	320.16	8.048		
9,500.00	7,071.32	7,031.32	7,031.32	79.67	243.74	-89.96	-3,750.83	-1,748.39	2,556.86	2,233.90	322.96	7.917		
9,600.00	7,071.66	7,031.66	7,031.66	82.22	243.75	-89.97	-3,750.83	-1,748.39	2,540.68	2,214.95	325.73	7.800		
9,700.00	7,072.00	7,032.00	7,032.00	84.78	243.76	-89.98	-3,750.83	-1,748.39	2,528.35	2,199.89	328.47	7.697		
9,800.00	7,072.35	7,032.35	7,032.35	87.37	243.78	-89.99	-3,750.83	-1,748.39	2,519.94	2,188.80	331.14	7.610		
9,900.00	7,072.69	7,032.69	7,032.69	89.97	243.79	-90.00	-3,750.83	-1,748.39	2,515.47	2,181.74	333.73	7.537		
9,962.39	7,072.90	7,032.90	7,032.90	91.60	243.80	-90.00	-3,750.83	-1,748.39	2,514.70	2,179.40	335.30	7.500 CC		
10,000.00	7,073.03	7,033.03	7,033.03	92.59	243.80	-90.00	-3,750.83	-1,748.39	2,514.98	2,178.75	336.23	7.480 ES		
10,100.00	7,073.38	7,033.38	7,033.38	95.22	243.81	-90.01	-3,750.83	-1,748.39	2,518.46	2,179.84	338.62	7.437		
10,200.00	7,073.72	7,033.72	7,033.72	97.86	243.82	-90.02	-3,750.83	-1,748.39	2,525.90	2,185.02	340.88	7.410		
10,300.00	7,074.07	7,034.07	7,034.07	100.52	243.84	-90.03	-3,750.83	-1,748.39	2,537.26	2,194.25	343.01	7.397 SF		
10,400.00	7,074.41	7,034.41	7,034.41	103.19	243.85	-90.03	-3,750.83	-1,748.39	2,552.49	2,207.49	345.00	7.398		
10,500.00	7,074.75	7,034.75	7,034.75	105.87	243.86	-90.04	-3,750.83	-1,748.39	2,571.52	2,224.68	346.84	7.414		
10,600.00	7,075.10	7,035.10	7,035.10	108.55	243.87	-90.05	-3,750.83	-1,748.39	2,594.27	2,245.74	348.53	7.443		
10,700.00	7,075.44	7,035.44	7,035.44	111.25	243.88	-90.06	-3,750.83	-1,748.39	2,620.65	2,270.58	350.07	7.486		
10,800.00	7,075.78	7,035.78	7,035.78	113.96	243.90	-90.07	-3,750.83	-1,748.39	2,650.53	2,299.08	351.45	7.542		
10,900.00	7,076.13	7,036.13	7,036.13	116.67	243.91	-90.07	-3,750.83	-1,748.39	2,683.81	2,331.12	352.69	7.610		
11,000.00	7,076.47	7,036.47	7,036.47	119.39	243.92	-90.08	-3,750.83	-1,748.39	2,720.36	2,366.58	353.78	7.689		
11,100.00	7,076.81	7,036.81	7,036.81	122.11	243.93	-90.09	-3,750.83	-1,748.39	2,760.05	2,405.31	354.73	7.781		
11,200.00	7,077.16	7,037.16	7,037.16	124.85	243.94	-90.10	-3,750.83	-1,748.39	2,802.75	2,447.19	355.56	7.883		
11,300.00	7,077.50	7,037.50	7,037.50	127.58	243.96	-90.10	-3,750.83	-1,748.39	2,848.32	2,492.06	356.26	7.995		
11,400.00	7,077.85	7,037.85	7,037.85	130.33	243.97	-90.11	-3,750.83	-1,748.39	2,896.62	2,539.78	356.85	8.117		
11,500.00	7,078.19	7,038.19	7,038.19	133.08	243.98	-90.12	-3,750.83	-1,748.39	2,947.53	2,590.21	357.32	8.249		
11,600.00	7,078.53	7,038.53	7,038.53	135.83	243.99	-90.13	-3,750.83	-1,748.39	3,000.91	2,643.20	357.71	8.389		
11,700.00	7,078.88	7,038.88	7,038.88	138.59	244.00	-90.14	-3,750.83	-1,748.39	3,056.63	2,698.63	358.00	8.538		
11,800.00	7,079.22	7,039.22	7,039.22	141.35	244.02	-90.14	-3,750.83	-1,748.39	3,114.56	2,756.35	358.21	8.695		
11,900.00	7,079.56	7,039.56	7,039.56	144.11	244.03	-90.15	-3,750.83	-1,748.39	3,174.59	2,816.24	358.35	8.859		
12,000.00	7,079.91	7,039.91	7,039.91	146.88	244.04	-90.16	-3,750.83	-1,748.39	3,236.59	2,878.17	358.42	9.030		
12,100.00	7,080.25	7,040.25	7,040.25	149.66	244.05	-90.17	-3,750.83	-1,748.39	3,300.46	2,942.03	358.44	9.208		
12,200.00	7,080.60	7,040.60	7,040.60	152.43	244.06	-90.18	-3,750.83	-1,748.39	3,366.09	3,007.69	358.40	9.392		
12,300.00	7,080.94	7,040.94	7,040.94	155.21	244.08	-90.18	-3,750.83	-1,748.39	3,433.38	3,075.06	358.31	9.582		
12,400.00	7,081.28	7,041.28	7,041.28	157.99	244.09	-90.19	-3,750.83	-1,748.39	3,502.23	3,144.04	358.19	9.778		
12,500.00	7,081.63	7,041.63	7,041.63	160.78	244.10	-90.20	-3,750.83	-1,748.39	3,572.55	3,214.52	358.03	9.978		
12,600.00	7,081.97	7,041.97	7,041.97	163.57	244.11	-90.21	-3,750.83	-1,748.39	3,644.26	3,286.42	357.84	10.184		
12,700.00	7,082.31	7,042.31	7,042.31	166.36	244.12	-90.21	-3,750.83	-1,748.39	3,717.28	3,359.65	357.62	10.394		
12,800.00	7,082.66	7,042.66	7,042.66	169.15	244.14	-90.22	-3,750.83	-1,748.39	3,791.52	3,434.14	357.38	10.609		
12,900.00	7,083.00	7,043.00	7,043.00	171.94	244.15	-90.23	-3,750.83	-1,748.39	3,866.93	3,509.81	357.12	10.828		
13,000.00	7,083.35	7,043.35	7,043.35	174.74	244.16	-90.24	-3,750.83	-1,748.39	3,943.44	3,586.59	356.85	11.051		
13,100.00	7,083.69	7,043.69	7,043.69	177.54	244.17	-90.25	-3,750.83	-1,748.39	4,020.97	3,664.41	356.56	11.277		
13,200.00	7,084.03	7,044.03	7,044.03	180.34	244.18	-90.25	-3,750.83	-1,748.39	4,099.48	3,743.21	356.26	11.507		
13,300.00	7,084.38	7,044.38	7,044.38	183.14	244.20	-90.26	-3,750.83	-1,748.39	4,178.90	3,822.95	355.96	11.740		
13,400.00	7,084.72	7,044.72	7,044.72	185.95	244.21	-90.27	-3,750.83	-1,748.39	4,259.20	3,903.55	355.64	11.976		
13,500.00	7,085.06	7,045.06	7,045.06	188.76	244.22	-90.28	-3,750.83	-1,748.39	4,340.31	3,984.98	355.32	12.215		
13,600.00	7,085.41	7,045.41	7,045.41	191.56	244.23	-90.28	-3,750.83	-1,748.39	4,422.19	4,067.19	355.00	12.457		
13,700.00	7,085.75	7,045.75	7,045.75	194.37	244.24	-90.29	-3,750.83	-1,748.39	4,504.81	4,150.13	354.68	12.701		
13,800.00	7,086.09	7,046.09	7,046.09	197.18	244.26	-90.30	-3,750.83	-1,748.39	4,588.12	4,233.76	354.35	12.948		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,046.44	7,046.44	200.00	244.27	-90.31	-3,750.83	-1,748.39	4,672.08	4,318.05	354.03	13.197		
14,000.00	7,086.78	7,046.78	7,046.78	202.81	244.28	-90.32	-3,750.83	-1,748.39	4,756.66	4,402.96	353.70	13.448		
14,100.00	7,087.13	7,047.13	7,047.13	205.63	244.29	-90.32	-3,750.83	-1,748.39	4,841.83	4,488.45	353.38	13.702		
14,200.00	7,087.47	7,047.47	7,047.47	208.44	244.30	-90.33	-3,750.83	-1,748.39	4,927.56	4,574.50	353.06	13.957		
14,300.00	7,087.81	7,047.81	7,047.81	211.26	244.32	-90.34	-3,750.83	-1,748.39	5,013.82	4,661.08	352.74	14.214		
14,400.00	7,088.16	7,048.16	7,048.16	214.08	244.33	-90.35	-3,750.83	-1,748.39	5,100.58	4,748.15	352.42	14.473		
14,500.00	7,088.50	7,048.50	7,048.50	216.90	244.34	-90.36	-3,750.83	-1,748.39	5,187.81	4,835.70	352.11	14.733		
14,600.00	7,088.84	7,048.84	7,048.84	219.72	244.35	-90.36	-3,750.83	-1,748.39	5,275.50	4,923.69	351.81	14.995		
14,700.00	7,089.19	7,049.19	7,049.19	222.54	244.36	-90.37	-3,750.83	-1,748.39	5,363.62	5,012.11	351.51	15.259		
14,800.00	7,089.53	7,049.53	7,049.53	225.37	244.38	-90.38	-3,750.83	-1,748.39	5,452.15	5,100.94	351.21	15.524		
14,900.00	7,089.88	7,049.88	7,049.88	228.19	244.39	-90.39	-3,750.83	-1,748.39	5,541.07	5,190.15	350.91	15.790		
15,000.00	7,090.22	7,050.22	7,050.22	231.02	244.40	-90.39	-3,750.83	-1,748.39	5,630.36	5,279.73	350.63	16.058		
15,100.00	7,090.56	7,050.56	7,050.56	233.84	244.41	-90.40	-3,750.83	-1,748.39	5,720.00	5,369.66	350.34	16.327		
15,200.00	7,090.91	7,050.91	7,050.91	236.67	244.42	-90.41	-3,750.83	-1,748.39	5,809.99	5,459.92	350.07	16.597		
15,227.29	7,091.00	7,051.00	7,051.00	237.44	244.43	-90.41	-3,750.83	-1,748.39	5,834.60	5,484.61	349.99	16.671		
15,300.00	7,091.25	7,051.25	7,051.25	239.49	244.44	-90.40	-3,750.83	-1,748.39	5,899.89	5,550.11	349.79	16.867		
15,326.57	7,091.35	7,051.35	7,051.35	240.24	244.44	-90.39	-3,750.83	-1,748.39	5,923.59	5,573.88	349.71	16.939		
15,400.00	7,091.60	7,051.60	7,051.60	242.30	244.45	-90.40	-3,750.83	-1,748.39	5,989.06	5,639.57	349.49	17.136		
15,500.00	7,091.96	7,051.96	7,051.96	245.12	244.46	-90.41	-3,750.83	-1,748.39	6,078.51	5,729.30	349.21	17.407		
15,600.00	7,092.31	7,052.31	7,052.31	247.93	244.47	-90.41	-3,750.83	-1,748.39	6,168.29	5,819.36	348.92	17.678		
15,700.00	7,092.66	7,052.66	7,052.66	250.75	244.49	-90.42	-3,750.83	-1,748.39	6,258.37	5,909.72	348.65	17.950		
15,800.00	7,093.01	7,053.01	7,053.01	253.56	244.50	-90.43	-3,750.83	-1,748.39	6,348.75	6,000.37	348.38	18.224		
15,900.00	7,093.36	7,053.36	7,053.36	256.38	244.51	-90.44	-3,750.83	-1,748.39	6,439.42	6,091.31	348.11	18.498		
16,000.00	7,093.71	7,053.71	7,053.71	259.20	244.52	-90.44	-3,750.83	-1,748.39	6,530.35	6,182.50	347.85	18.773		
16,100.00	7,094.07	7,054.07	7,054.07	262.02	244.53	-90.45	-3,750.83	-1,748.39	6,621.55	6,273.96	347.60	19.049		
16,200.00	7,094.42	7,054.42	7,054.42	264.84	244.55	-90.46	-3,750.83	-1,748.39	6,713.00	6,365.66	347.35	19.326		
16,300.00	7,094.77	7,054.77	7,054.77	267.65	244.56	-90.47	-3,750.83	-1,748.39	6,804.69	6,457.59	347.11	19.604		
16,400.00	7,095.12	7,055.12	7,055.12	270.47	244.57	-90.47	-3,750.83	-1,748.39	6,896.62	6,549.75	346.87	19.883		
16,500.00	7,095.47	7,055.47	7,055.47	273.30	244.58	-90.48	-3,750.83	-1,748.39	6,988.76	6,642.12	346.63	20.162		
16,600.00	7,095.82	7,055.82	7,055.82	276.12	244.60	-90.49	-3,750.83	-1,748.39	7,081.12	6,734.71	346.41	20.442		
16,700.00	7,096.18	7,056.18	7,056.18	278.94	244.61	-90.50	-3,750.83	-1,748.39	7,173.68	6,827.49	346.18	20.722		
16,800.00	7,096.53	7,056.53	7,056.53	281.76	244.62	-90.50	-3,750.83	-1,748.39	7,266.44	6,920.47	345.97	21.003		
16,900.00	7,096.88	7,056.88	7,056.88	284.58	244.63	-90.51	-3,750.83	-1,748.39	7,359.38	7,013.63	345.76	21.285		
17,000.00	7,097.23	7,057.23	7,057.23	287.41	244.64	-90.52	-3,750.83	-1,748.39	7,452.51	7,106.97	345.55	21.567		
17,100.00	7,097.58	7,057.58	7,057.58	290.23	244.66	-90.53	-3,750.83	-1,748.39	7,545.82	7,200.47	345.35	21.850		
17,200.00	7,097.93	7,057.93	7,057.93	293.06	244.67	-90.53	-3,750.83	-1,748.39	7,639.30	7,294.15	345.15	22.133		
17,300.00	7,098.29	7,058.29	7,058.29	295.88	244.68	-90.54	-3,750.83	-1,748.39	7,732.94	7,387.98	344.96	22.417		
17,400.00	7,098.64	7,058.64	7,058.64	298.71	244.69	-90.55	-3,750.83	-1,748.39	7,826.73	7,481.96	344.77	22.701		
17,500.00	7,098.99	7,058.99	7,058.99	301.53	244.71	-90.56	-3,750.83	-1,748.39	7,920.68	7,576.09	344.59	22.986		
17,600.00	7,099.34	7,059.34	7,059.34	304.36	244.72	-90.56	-3,750.83	-1,748.39	8,014.78	7,670.37	344.41	23.271		
17,700.00	7,099.69	7,059.69	7,059.69	307.19	244.73	-90.57	-3,750.83	-1,748.39	8,109.01	7,764.78	344.23	23.557		
17,800.00	7,100.04	7,060.04	7,060.04	310.01	244.74	-90.58	-3,750.83	-1,748.39	8,203.38	7,859.32	344.07	23.843		
17,900.00	7,100.40	7,060.40	7,060.40	312.84	244.76	-90.59	-3,750.83	-1,748.39	8,297.89	7,953.99	343.90	24.129		
18,000.00	7,100.75	7,060.75	7,060.75	315.67	244.77	-90.59	-3,750.83	-1,748.39	8,392.52	8,048.78	343.74	24.415		
18,100.00	7,101.10	7,061.10	7,061.10	318.50	244.78	-90.60	-3,750.83	-1,748.39	8,487.27	8,143.69	343.58	24.702		
18,200.00	7,101.45	7,061.45	7,061.45	321.33	244.79	-90.61	-3,750.83	-1,748.39	8,582.15	8,238.72	343.43	24.990		
18,300.00	7,101.80	7,061.80	7,061.80	324.16	244.80	-90.62	-3,750.83	-1,748.39	8,677.14	8,333.86	343.28	25.277		
18,400.00	7,102.16	7,062.16	7,062.16	326.99	244.82	-90.62	-3,750.83	-1,748.39	8,772.24	8,429.10	343.14	25.565		
18,500.00	7,102.51	7,062.51	7,062.51	329.82	244.83	-90.63	-3,750.83	-1,748.39	8,867.45	8,524.45	342.99	25.853		
18,600.00	7,102.86	7,062.86	7,062.86	332.65	244.84	-90.64	-3,750.83	-1,748.39	8,962.76	8,619.90	342.86	26.141		
18,700.00	7,103.21	7,063.21	7,063.21	335.48	244.85	-90.65	-3,750.83	-1,748.39	9,058.17	8,715.45	342.72	26.430		
18,800.00	7,103.56	7,063.56	7,063.56	338.31	244.87	-90.65	-3,750.83	-1,748.39	9,153.68	8,811.09	342.59	26.719		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #14-2(SI) - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma												Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
18,900.00	7,103.91	7,063.91	7,063.91	341.14	244.88	-90.66	-3,750.83	-1,748.39	9,249.29	8,906.82	342.47	27.008	
18,924.52	7,104.00	7,064.00	7,064.00	341.83	244.88	-90.66	-3,750.83	-1,748.39	9,272.74	8,930.30	342.44	27.079	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	139.72	-597.82	506.71	783.75					
100.00	100.00	93.65	93.64	3.28	0.21	139.74	-597.85	506.24	783.41	779.91	3.49	224.324		
200.00	200.00	198.84	198.83	3.34	0.44	139.84	-597.96	504.60	782.48	778.70	3.78	207.134		
300.00	299.98	303.93	303.87	3.44	0.68	7.03	-598.15	501.79	779.16	775.05	4.12	189.243		
400.00	399.84	413.63	413.51	3.59	1.07	7.29	-597.67	498.18	771.54	766.86	4.68	164.846		
500.00	499.45	517.83	517.65	3.80	1.53	7.42	-594.91	495.62	759.30	753.96	5.34	142.188		
600.00	598.70	619.69	619.42	4.04	1.97	7.53	-591.28	493.52	743.20	737.17	6.03	123.322		
700.00	697.47	720.76	720.37	4.32	2.41	7.63	-586.80	491.84	723.28	716.54	6.74	107.265		
800.00	795.62	820.86	820.33	4.65	2.84	7.71	-581.51	490.54	699.58	692.10	7.48	93.483		
900.00	893.06	918.00	917.30	5.02	3.27	7.80	-575.93	489.52	672.33	664.10	8.24	81.636		
993.00	982.91	1,010.38	1,009.50	5.39	3.67	7.96	-570.38	488.13	643.59	634.62	8.97	71.776		
1,000.00	989.65	1,016.92	1,016.03	5.42	3.70	7.97	-570.00	488.00	641.30	632.28	9.03	71.046		
1,100.00	1,085.84	1,116.36	1,115.29	5.86	4.14	8.27	-565.01	484.87	608.63	598.82	9.82	62.005		
1,200.00	1,182.03	1,233.68	1,232.15	6.32	4.66	8.84	-557.46	477.89	573.23	562.54	10.69	53.609		
1,300.00	1,278.22	1,345.43	1,343.03	6.79	5.16	9.42	-546.80	469.03	534.48	522.94	11.54	46.314		
1,400.00	1,374.42	1,454.46	1,450.66	7.28	5.66	9.90	-532.43	459.18	492.48	480.11	12.36	39.833		
1,500.00	1,470.61	1,554.52	1,548.87	7.79	6.12	10.15	-515.67	450.01	447.83	434.68	13.15	34.051		
1,600.00	1,566.80	1,641.21	1,633.75	8.30	6.52	10.12	-499.51	443.10	402.48	388.56	13.93	28.898		
1,700.00	1,663.00	1,737.60	1,727.88	8.82	6.96	9.92	-480.22	435.46	356.14	341.44	14.70	24.222		
1,800.00	1,759.19	1,824.18	1,812.43	9.34	7.37	9.90	-463.24	427.64	309.52	294.02	15.50	19.971		
1,900.00	1,855.38	1,910.99	1,897.33	9.87	7.78	10.05	-447.10	419.51	263.44	247.13	16.31	16.152		
2,000.00	1,951.58	2,000.49	1,984.90	10.41	8.21	10.00	-430.19	412.11	217.75	200.63	17.11	12.725		
2,100.00	2,047.77	2,089.28	2,071.63	10.95	8.63	9.59	-412.48	405.14	171.53	153.61	17.92	9.570		
2,200.00	2,143.96	2,177.22	2,157.70	11.49	9.05	9.43	-396.02	397.74	125.89	107.13	18.76	6.710		
2,300.00	2,240.16	2,266.14	2,244.77	12.04	9.48	8.58	-379.28	391.00	80.64	61.04	19.59	4.115		
2,400.00	2,336.35	2,355.14	2,331.82	12.58	9.90	2.64	-361.58	385.59	35.65	15.19	20.46	1.742		
2,479.27	2,412.60	2,426.00	2,401.27	13.02	10.24	-77.71	-348.11	381.47	5.70	-17.54	23.24	0.245 Level 1, CC, ES, SF		
2,500.00	2,432.54	2,444.59	2,419.50	13.13	10.33	-132.64	-344.66	380.40	10.81	-11.26	22.07	0.490 Level 1		
2,600.00	2,528.74	2,533.89	2,507.02	13.69	10.75	-159.90	-327.58	375.58	53.88	31.69	22.19	2.428		
2,700.00	2,624.93	2,622.14	2,593.22	14.24	11.18	-162.28	-309.27	371.04	99.25	76.31	22.94	4.327		
2,800.00	2,721.12	2,711.83	2,680.87	14.80	11.61	-163.33	-290.88	366.16	144.62	120.82	23.80	6.076		
2,900.00	2,817.32	2,798.35	2,765.34	15.35	12.03	-164.13	-273.05	360.48	190.62	166.08	24.54	7.766		
3,000.00	2,913.51	2,888.61	2,853.48	15.91	12.47	-164.87	-254.76	353.74	236.83	211.40	25.43	9.312		
3,100.00	3,009.70	2,977.04	2,939.90	16.47	12.90	-165.56	-237.50	346.49	282.85	256.59	26.26	10.771		
3,200.00	3,105.90	3,075.24	3,036.20	17.03	13.37	-166.33	-220.12	338.27	327.62	300.29	27.33	11.989		
3,300.00	3,202.09	3,172.57	3,132.10	17.59	13.83	-167.08	-205.40	330.54	370.26	341.94	28.32	13.072		
3,400.00	3,298.28	3,269.77	3,228.12	18.15	14.28	-167.59	-191.73	324.21	411.38	382.09	29.29	14.043		
3,500.00	3,394.48	3,371.38	3,328.79	18.72	14.75	-168.07	-179.25	318.43	450.74	420.42	30.32	14.866		
3,600.00	3,490.67	3,475.61	3,432.39	19.28	15.22	-168.60	-169.09	313.16	487.86	456.51	31.35	15.560		
3,700.00	3,586.86	3,579.77	3,536.15	19.84	15.68	-169.16	-161.34	308.53	522.94	490.58	32.36	16.161		
3,800.00	3,683.06	3,694.07	3,650.22	20.41	16.17	-169.56	-154.46	306.20	555.66	522.21	33.45	16.613		
3,900.00	3,779.25	3,800.26	3,756.32	20.97	16.62	-169.79	-150.34	306.83	585.18	550.76	34.42	17.001		
4,000.00	3,875.44	3,897.60	3,853.60	21.54	17.02	-169.96	-147.12	308.09	613.90	578.59	35.30	17.389		
4,100.00	3,971.64	3,994.96	3,950.92	22.11	17.42	-170.18	-144.44	308.95	642.42	606.23	36.19	17.752		
4,200.00	4,067.83	4,091.44	4,047.38	22.67	17.83	-170.50	-142.78	308.80	670.79	633.72	37.07	18.095		
4,300.00	4,164.02	4,189.67	4,145.60	23.24	18.24	-170.83	-141.48	308.47	698.99	661.03	37.97	18.411		
4,400.00	4,260.22	4,292.20	4,248.13	23.81	18.65	-171.26	-141.51	307.54	726.53	687.65	38.88	18.685		
4,500.00	4,356.41	4,390.74	4,346.63	24.37	19.03	-171.76	-142.89	305.69	753.66	713.91	39.76	18.957		
4,600.00	4,452.60	4,498.13	4,453.99	24.94	19.45	-172.29	-145.31	304.16	779.95	739.26	40.69	19.168		
4,700.00	4,548.79	4,599.19	4,554.99	25.51	19.84	-172.77	-148.79	303.40	804.95	763.38	41.57	19.363		
4,800.00	4,644.99	4,698.64	4,644.40	26.08	20.19	-173.12	-151.14	302.96	830.45	788.08	42.37	19.598		
4,900.00	4,741.18	4,790.95	4,736.71	26.65	20.56	-173.37	-152.16	303.02	856.75	813.55	43.20	19.833		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,878.57	4,834.33	27.21	20.94	-173.58	-152.75	303.60	883.10	839.04	44.06	20.042		
5,100.00	4,933.57	4,975.61	4,931.36	27.78	21.33	-173.77	-153.42	304.22	909.37	864.45	44.92	20.243		
5,200.00	5,029.76	5,073.11	5,028.85	28.35	21.71	-173.97	-154.41	304.57	935.58	889.80	45.79	20.432		
5,300.00	5,125.95	5,164.35	5,120.08	28.92	22.08	-174.17	-155.49	304.72	961.83	915.21	46.61	20.635		
5,400.00	5,222.15	5,249.68	5,205.41	29.49	22.43	-174.38	-156.11	303.92	989.10	941.71	47.39	20.870		
5,500.00	5,318.34	5,338.69	5,294.42	30.06	22.80	-174.53	-155.58	303.22	1,017.24	969.03	48.21	21.098		
5,600.00	5,414.53	5,429.01	5,384.73	30.63	23.18	-174.65	-154.40	302.52	1,045.89	996.84	49.05	21.323		
5,700.00	5,510.73	5,521.46	5,477.15	31.20	23.57	-174.81	-153.31	300.68	1,075.22	1,025.32	49.90	21.546		
5,800.00	5,606.92	5,650.83	5,606.51	31.77	24.11	-175.02	-153.15	299.75	1,103.01	1,051.93	51.08	21.596		
5,900.00	5,703.11	5,752.23	5,707.89	32.34	24.52	-175.19	-154.91	300.18	1,128.71	1,076.73	51.98	21.713		
6,000.00	5,799.31	5,845.59	5,801.24	32.91	24.90	-175.34	-156.20	300.39	1,154.83	1,102.00	52.83	21.860		
6,100.00	5,895.50	5,936.81	5,892.46	33.48	25.27	-175.38	-156.09	301.83	1,181.13	1,127.47	53.66	22.011		
6,200.00	5,991.69	6,026.82	5,982.45	34.05	25.65	-175.44	-155.79	302.65	1,208.02	1,153.53	54.48	22.172		
6,300.00	6,087.89	6,122.20	6,077.84	34.62	26.04	-175.51	-155.35	303.19	1,235.23	1,179.87	55.35	22.315		
6,400.00	6,184.08	6,222.86	6,178.49	35.19	26.46	-175.60	-155.41	303.45	1,262.27	1,206.00	56.27	22.434		
6,500.00	6,280.27	6,316.77	6,272.40	35.77	26.84	-175.70	-155.91	303.51	1,289.11	1,231.99	57.12	22.569		
6,535.30	6,314.23	6,348.76	6,304.40	35.97	26.97	-175.74	-156.03	303.46	1,298.68	1,241.27	57.41	22.621		
6,550.00	6,328.40	6,362.45	6,318.09	36.05	27.03	-179.44	-156.07	303.42	1,302.56	1,245.03	57.54	22.639		
6,600.00	6,377.01	7,847.13	7,238.70	36.31	37.09	-159.01	-140.34	1,140.20	1,312.86	1,257.38	55.47	23.667		
6,650.00	6,426.00	7,851.80	7,238.87	36.54	37.17	-177.24	-140.23	1,144.87	1,288.18	1,231.10	57.08	22.568		
6,700.00	6,475.08	7,852.53	7,238.90	36.73	37.18	162.30	-140.21	1,145.59	1,264.76	1,206.13	58.62	21.574		
6,750.00	6,523.94	7,849.15	7,238.77	36.90	37.13	145.70	-140.29	1,142.22	1,242.81	1,182.72	60.09	20.683		
6,800.00	6,572.28	7,841.53	7,238.50	37.05	37.01	134.52	-140.49	1,134.60	1,222.53	1,161.08	61.46	19.892		
6,850.00	6,619.81	7,829.55	7,238.09	37.19	36.82	127.23	-140.82	1,122.64	1,204.06	1,141.34	62.71	19.199		
6,900.00	6,666.23	7,813.13	7,237.58	37.32	36.56	122.24	-141.33	1,106.23	1,187.46	1,123.63	63.84	18.602		
6,950.00	6,711.25	7,792.78	7,237.01	37.46	36.25	118.59	-142.02	1,085.90	1,172.77	1,107.94	64.83	18.090		
7,000.00	6,754.60	7,769.39	7,236.34	37.61	35.91	115.74	-142.83	1,062.53	1,159.97	1,094.25	65.72	17.651		
7,050.00	6,796.01	7,742.64	7,235.51	37.77	35.53	113.34	-143.75	1,035.81	1,148.99	1,082.52	66.46	17.287		
7,100.00	6,835.22	7,712.72	7,234.51	37.94	35.10	111.21	-144.77	1,005.93	1,139.73	1,072.65	67.08	16.991		
7,150.00	6,871.99	7,693.89	7,233.86	38.12	34.85	109.79	-145.32	987.12	1,132.22	1,064.40	67.82	16.694		
7,200.00	6,906.10	7,675.38	7,233.23	38.34	34.61	108.54	-145.59	968.62	1,126.64	1,058.13	68.51	16.444		
7,250.00	6,937.34	7,653.86	7,232.51	38.57	34.33	107.28	-145.55	947.11	1,122.92	1,053.81	69.11	16.248		
7,300.00	6,965.51	7,610.01	7,230.66	38.84	33.82	105.43	-145.18	903.30	1,120.49	1,051.13	69.36	16.155		
7,350.00	6,990.44	7,568.94	7,228.26	39.14	33.32	103.84	-144.81	862.31	1,118.85	1,049.24	69.61	16.073		
7,400.00	7,011.97	7,442.16	7,205.02	39.47	32.08	99.75	-145.14	738.02	1,116.24	1,047.37	68.87	16.209		
7,450.00	7,029.98	7,357.94	7,176.53	39.85	31.39	96.91	-147.56	658.85	1,112.32	1,043.55	68.77	16.174		
7,500.00	7,044.34	7,280.79	7,141.68	40.26	30.88	94.32	-151.24	590.18	1,107.59	1,038.80	68.80	16.100		
7,550.00	7,054.99	7,247.35	7,123.53	40.72	30.70	93.33	-152.90	562.15	1,102.89	1,033.57	69.32	15.910		
7,600.00	7,061.83	7,216.67	7,104.98	41.21	30.54	92.43	-154.06	537.75	1,098.90	1,029.01	69.89	15.724		
7,650.00	7,064.85	7,188.47	7,086.40	41.73	30.39	91.63	-154.80	516.55	1,095.63	1,025.15	70.49	15.544		
7,661.89	7,065.00	7,177.34	7,078.71	41.86	30.34	91.28	-155.03	508.51	1,094.95	1,024.36	70.59	15.512		
7,700.00	7,065.13	7,144.13	7,054.83	42.28	30.20	90.03	-155.80	485.45	1,093.02	1,022.08	70.94	15.407		
7,779.93	7,065.40	7,093.00	7,015.54	43.27	29.98	87.96	-157.24	452.80	1,091.08	1,019.17	71.90	15.174		
7,800.00	7,065.47	7,081.02	7,005.93	43.53	29.93	87.45	-157.58	445.65	1,091.16	1,019.01	72.15	15.124		
7,900.00	7,065.82	7,045.17	6,976.47	44.94	29.79	85.90	-158.24	425.23	1,095.95	1,022.24	73.71	14.868		
8,000.00	7,066.16	7,014.09	6,950.13	46.50	29.67	84.52	-158.37	408.74	1,108.13	1,032.84	75.29	14.719		
8,100.00	7,066.50	6,984.57	6,924.48	48.19	29.55	83.19	-158.13	394.15	1,127.72	1,050.95	76.78	14.688		
8,200.00	7,066.85	6,956.33	6,899.42	50.00	29.44	81.89	-157.75	381.12	1,154.46	1,076.32	78.14	14.775		
8,300.00	7,067.19	6,931.75	6,877.24	51.91	29.35	80.75	-157.31	370.55	1,188.04	1,108.68	79.36	14.970		
8,400.00	7,067.54	6,904.00	6,851.81	53.92	29.24	79.46	-156.69	359.47	1,228.12	1,147.77	80.35	15.284		
8,500.00	7,067.88	6,881.46	6,830.88	56.01	29.16	78.40	-156.30	351.13	1,274.03	1,192.81	81.23	15.685		
8,600.00	7,068.22	6,853.67	6,804.74	58.16	29.05	77.09	-156.23	341.65	1,325.13	1,243.28	81.85	16.190		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,830.55	6,782.78	60.38	28.96	75.99	-156.54	334.46	1,381.00	1,298.63	82.37	16.766		
8,800.00	7,068.91	6,812.00	6,765.02	62.65	28.88	75.11	-157.02	329.14	1,441.22	1,358.41	82.80	17.406		
8,900.00	7,069.25	6,812.00	6,765.02	64.97	28.88	75.11	-157.02	329.14	1,505.51	1,422.19	83.32	18.069		
9,000.00	7,069.60	6,812.00	6,765.02	67.34	28.88	75.11	-157.02	329.14	1,573.53	1,489.82	83.71	18.797		
9,100.00	7,069.94	6,812.00	6,765.02	69.74	28.88	75.11	-157.02	329.14	1,644.83	1,560.83	84.00	19.582		
9,200.00	7,070.28	6,779.85	6,733.93	72.18	28.76	73.58	-157.73	320.95	1,717.96	1,634.04	83.92	20.472		
9,300.00	7,070.63	6,773.39	6,727.65	74.65	28.73	73.28	-157.80	319.47	1,794.17	1,710.15	84.02	21.354		
9,400.00	7,070.97	6,767.39	6,721.80	77.15	28.71	72.99	-157.85	318.14	1,872.56	1,788.48	84.08	22.272		
9,500.00	7,071.32	6,761.80	6,716.34	79.67	28.68	72.73	-157.87	316.95	1,952.85	1,868.76	84.10	23.222		
9,600.00	7,071.66	6,756.59	6,711.24	82.22	28.66	72.49	-157.88	315.87	2,034.84	1,950.76	84.09	24.199		
9,700.00	7,072.00	6,751.72	6,706.46	84.78	28.64	72.26	-157.87	314.90	2,118.33	2,034.27	84.06	25.201		
9,800.00	7,072.35	6,718.00	6,673.27	87.37	28.51	70.69	-157.44	309.04	2,203.97	2,120.14	83.83	26.290		
9,900.00	7,072.69	6,718.00	6,673.27	89.97	28.51	70.69	-157.44	309.04	2,289.75	2,205.95	83.81	27.321		
10,000.00	7,073.03	6,718.00	6,673.27	92.59	28.51	70.69	-157.44	309.04	2,376.65	2,292.88	83.77	28.371		
10,100.00	7,073.38	6,718.00	6,673.27	95.22	28.51	70.69	-157.44	309.04	2,464.54	2,380.82	83.72	29.438		
10,200.00	7,073.72	6,718.00	6,673.27	97.86	28.51	70.69	-157.44	309.04	2,553.33	2,469.66	83.66	30.519		
10,300.00	7,074.07	6,718.00	6,673.27	100.52	28.51	70.69	-157.44	309.04	2,642.91	2,559.31	83.60	31.615		
10,400.00	7,074.41	6,718.00	6,673.27	103.19	28.51	70.69	-157.44	309.04	2,733.22	2,649.69	83.53	32.722		
10,500.00	7,074.75	6,718.00	6,673.27	105.87	28.51	70.69	-157.44	309.04	2,824.18	2,740.72	83.46	33.840		
10,600.00	7,075.10	6,718.00	6,673.27	108.55	28.51	70.69	-157.44	309.04	2,915.73	2,832.35	83.38	34.968		
10,700.00	7,075.44	6,718.00	6,673.27	111.25	28.51	70.69	-157.44	309.04	3,007.82	2,924.51	83.31	36.105		
10,800.00	7,075.78	6,718.00	6,673.27	113.96	28.51	70.69	-157.44	309.04	3,100.40	3,017.16	83.23	37.250		
10,900.00	7,076.13	6,718.00	6,673.27	116.67	28.51	70.69	-157.44	309.04	3,193.42	3,110.27	83.16	38.401		
11,000.00	7,076.47	6,718.00	6,673.27	119.39	28.51	70.69	-157.44	309.04	3,286.86	3,203.77	83.09	39.560		
11,100.00	7,076.81	6,718.00	6,673.27	122.11	28.51	70.69	-157.44	309.04	3,380.67	3,297.66	83.02	40.723		
11,200.00	7,077.16	6,718.00	6,673.27	124.85	28.51	70.69	-157.44	309.04	3,474.83	3,391.88	82.95	41.892		
11,300.00	7,077.50	6,718.00	6,673.27	127.58	28.51	70.69	-157.44	309.04	3,569.31	3,486.43	82.88	43.066		
11,400.00	7,077.85	6,718.00	6,673.27	130.33	28.51	70.69	-157.44	309.04	3,664.08	3,581.26	82.82	44.244		
11,500.00	7,078.19	6,718.00	6,673.27	133.08	28.51	70.69	-157.44	309.04	3,759.12	3,676.36	82.75	45.425		
11,600.00	7,078.53	6,718.00	6,673.27	135.83	28.51	70.69	-157.44	309.04	3,854.41	3,771.71	82.69	46.610		
11,700.00	7,078.88	6,718.00	6,673.27	138.59	28.51	70.69	-157.44	309.04	3,949.93	3,867.29	82.64	47.798		
11,800.00	7,079.22	6,718.00	6,673.27	141.35	28.51	70.69	-157.44	309.04	4,045.67	3,963.09	82.58	48.989		
11,900.00	7,079.56	6,718.00	6,673.27	144.11	28.51	70.69	-157.44	309.04	4,141.61	4,059.08	82.53	50.182		
12,000.00	7,079.91	6,718.00	6,673.27	146.88	28.51	70.69	-157.44	309.04	4,237.74	4,155.26	82.48	51.377		
12,100.00	7,080.25	6,718.00	6,673.27	149.66	28.51	70.69	-157.44	309.04	4,334.04	4,251.61	82.44	52.574		
12,200.00	7,080.60	6,718.00	6,673.27	152.43	28.51	70.69	-157.44	309.04	4,430.51	4,348.12	82.39	53.773		
12,300.00	7,080.94	6,718.00	6,673.27	155.21	28.51	70.69	-157.44	309.04	4,527.13	4,444.78	82.35	54.973		
12,400.00	7,081.28	6,718.00	6,673.27	157.99	28.51	70.69	-157.44	309.04	4,623.90	4,541.58	82.31	56.174		
12,500.00	7,081.63	6,718.00	6,673.27	160.78	28.51	70.69	-157.44	309.04	4,720.80	4,638.52	82.28	57.376		
12,600.00	7,081.97	6,718.00	6,673.27	163.57	28.51	70.69	-157.44	309.04	4,817.82	4,735.58	82.25	58.579		
12,700.00	7,082.31	6,718.00	6,673.27	166.36	28.51	70.69	-157.44	309.04	4,914.97	4,832.75	82.21	59.782		
12,800.00	7,082.66	6,718.00	6,673.27	169.15	28.51	70.69	-157.44	309.04	5,012.23	4,930.04	82.19	60.986		
12,900.00	7,083.00	6,718.00	6,673.27	171.94	28.51	70.69	-157.44	309.04	5,109.59	5,027.43	82.16	62.191		
13,000.00	7,083.35	6,718.00	6,673.27	174.74	28.51	70.69	-157.44	309.04	5,207.05	5,124.92	82.14	63.395		
13,100.00	7,083.69	6,718.00	6,673.27	177.54	28.51	70.69	-157.44	309.04	5,304.61	5,222.50	82.11	64.600		
13,200.00	7,084.03	6,718.00	6,673.27	180.34	28.51	70.69	-157.44	309.04	5,402.26	5,320.16	82.10	65.805		
13,300.00	7,084.38	6,676.96	6,632.53	183.14	28.34	68.82	-156.75	304.21	5,498.52	5,416.51	82.01	67.048		
13,400.00	7,084.72	6,676.14	6,631.71	185.95	28.33	68.78	-156.75	304.15	5,596.27	5,514.28	81.99	68.253		
13,500.00	7,085.06	6,675.35	6,630.92	188.76	28.33	68.75	-156.74	304.08	5,694.10	5,612.12	81.98	69.457		
13,600.00	7,085.41	6,674.58	6,630.16	191.56	28.33	68.71	-156.73	304.02	5,792.00	5,710.04	81.97	70.661		
13,700.00	7,085.75	6,673.84	6,629.42	194.37	28.32	68.68	-156.72	303.96	5,889.98	5,808.02	81.96	71.865		
13,800.00	7,086.09	6,673.12	6,628.70	197.18	28.32	68.65	-156.72	303.90	5,988.02	5,906.07	81.95	73.068		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,672.42	6,628.00	200.00	28.32	68.61	-156.71	303.85	6,086.12	6,004.17	81.95	74.270		
14,000.00	7,086.78	6,671.75	6,627.33	202.81	28.31	68.58	-156.70	303.80	6,184.28	6,102.34	81.94	75.471		
14,100.00	7,087.13	6,671.09	6,626.68	205.63	28.31	68.55	-156.70	303.75	6,282.50	6,200.56	81.94	76.672		
14,200.00	7,087.47	6,670.46	6,626.04	208.44	28.31	68.53	-156.69	303.70	6,380.77	6,298.83	81.94	77.871		
14,300.00	7,087.81	6,669.84	6,625.43	211.26	28.31	68.50	-156.69	303.66	6,479.10	6,397.16	81.94	79.069		
14,400.00	7,088.16	6,669.24	6,624.83	214.08	28.30	68.47	-156.68	303.62	6,577.47	6,495.53	81.95	80.266		
14,500.00	7,088.50	6,668.66	6,624.25	216.90	28.30	68.44	-156.68	303.57	6,675.90	6,593.95	81.95	81.463		
14,600.00	7,088.84	6,668.09	6,623.68	219.72	28.30	68.42	-156.67	303.53	6,774.37	6,692.41	81.96	82.657		
14,700.00	7,089.19	6,667.54	6,623.13	222.54	28.30	68.39	-156.67	303.50	6,872.88	6,790.91	81.97	83.851		
14,800.00	7,089.53	6,667.01	6,622.60	225.37	28.30	68.37	-156.66	303.46	6,971.43	6,889.46	81.98	85.043		
14,900.00	7,089.88	6,625.00	6,580.63	228.19	28.12	66.49	-156.60	302.09	7,071.52	6,989.62	81.90	86.339		
15,000.00	7,090.22	6,625.00	6,580.63	231.02	28.12	66.49	-156.60	302.09	7,170.12	7,088.20	81.92	87.528		
15,100.00	7,090.56	6,625.00	6,580.63	233.84	28.12	66.49	-156.60	302.09	7,268.75	7,186.82	81.93	88.715		
15,200.00	7,090.91	6,625.00	6,580.63	236.67	28.12	66.49	-156.60	302.09	7,367.43	7,285.47	81.95	89.900		
15,227.29	7,091.00	6,625.00	6,580.63	237.44	28.12	66.49	-156.60	302.09	7,394.36	7,312.40	81.96	90.223		
15,300.00	7,091.25	6,625.00	6,580.63	239.49	28.12	62.34	-156.60	302.09	7,466.26	7,384.29	81.97	91.083		
15,326.57	7,091.35	6,625.00	6,580.63	240.24	28.12	60.44	-156.60	302.09	7,492.59	7,410.62	81.98	91.397		
15,400.00	7,091.60	6,625.00	6,580.63	242.30	28.12	60.44	-156.60	302.09	7,565.43	7,483.43	82.00	92.263		
15,500.00	7,091.96	6,625.00	6,580.63	245.12	28.12	60.44	-156.60	302.09	7,664.63	7,582.60	82.03	93.442		
15,600.00	7,092.31	6,625.00	6,580.63	247.93	28.12	60.44	-156.60	302.09	7,763.85	7,681.80	82.05	94.619		
15,700.00	7,092.66	6,625.00	6,580.63	250.75	28.12	60.44	-156.60	302.09	7,863.09	7,781.01	82.08	95.793		
15,800.00	7,093.01	6,625.00	6,580.63	253.56	28.12	60.44	-156.60	302.09	7,962.35	7,880.24	82.11	96.966		
15,900.00	7,093.36	6,625.00	6,580.63	256.38	28.12	60.44	-156.60	302.09	8,061.63	7,979.49	82.15	98.137		
16,000.00	7,093.71	6,625.00	6,580.63	259.20	28.12	60.44	-156.60	302.09	8,160.93	8,078.75	82.18	99.306		
16,100.00	7,094.07	6,625.00	6,580.63	262.02	28.12	60.44	-156.60	302.09	8,260.24	8,178.03	82.21	100.473		
16,200.00	7,094.42	6,625.00	6,580.63	264.84	28.12	60.44	-156.60	302.09	8,359.58	8,277.33	82.25	101.637		
16,300.00	7,094.77	6,625.00	6,580.63	267.65	28.12	60.44	-156.60	302.09	8,458.92	8,376.64	82.29	102.799		
16,400.00	7,095.12	6,625.00	6,580.63	270.47	28.12	60.44	-156.60	302.09	8,558.28	8,475.96	82.32	103.960		
16,500.00	7,095.47	6,625.00	6,580.63	273.30	28.12	60.44	-156.60	302.09	8,657.66	8,575.30	82.36	105.118		
16,600.00	7,095.82	6,625.00	6,580.63	276.12	28.12	60.44	-156.60	302.09	8,757.05	8,674.65	82.40	106.273		
16,700.00	7,096.18	6,625.00	6,580.63	278.94	28.12	60.44	-156.60	302.09	8,856.45	8,774.01	82.44	107.427		
16,800.00	7,096.53	6,625.00	6,580.63	281.76	28.12	60.44	-156.60	302.09	8,955.87	8,873.39	82.48	108.578		
16,900.00	7,096.88	6,625.00	6,580.63	284.58	28.12	60.44	-156.60	302.09	9,055.30	8,972.78	82.53	109.727		
17,000.00	7,097.23	6,625.00	6,580.63	287.41	28.12	60.44	-156.60	302.09	9,154.74	9,072.17	82.57	110.873		
17,100.00	7,097.58	6,625.00	6,580.63	290.23	28.12	60.44	-156.60	302.09	9,254.20	9,171.58	82.61	112.017		
17,200.00	7,097.93	6,625.00	6,580.63	293.06	28.12	60.44	-156.60	302.09	9,353.66	9,271.00	82.66	113.159		
17,300.00	7,098.29	6,625.00	6,580.63	295.88	28.12	60.44	-156.60	302.09	9,453.14	9,370.44	82.71	114.298		
17,400.00	7,098.64	6,625.00	6,580.63	298.71	28.12	60.44	-156.60	302.09	9,552.63	9,469.88	82.75	115.435		
17,500.00	7,098.99	6,625.00	6,580.63	301.53	28.12	60.44	-156.60	302.09	9,652.13	9,569.33	82.80	116.569		
17,600.00	7,099.34	6,625.00	6,580.63	304.36	28.12	60.44	-156.60	302.09	9,751.64	9,668.79	82.85	117.701		
17,700.00	7,099.69	6,625.00	6,580.63	307.19	28.12	60.44	-156.60	302.09	9,851.16	9,768.26	82.90	118.830		
17,800.00	7,100.04	6,625.00	6,580.63	310.01	28.12	60.44	-156.60	302.09	9,950.69	9,867.73	82.95	119.957		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	133.28	-477.96	507.54	697.26					
100.00	100.00	93.46	93.45	3.28	3.29	133.39	-478.68	506.45	696.88	690.31	6.57	106.047		
200.00	200.00	198.50	198.40	3.34	3.32	133.74	-481.05	502.76	695.90	689.24	6.66	104.536		
300.00	299.98	305.14	304.96	3.44	3.42	0.98	-481.87	499.32	692.35	685.48	6.87	100.839		
400.00	399.84	429.04	428.76	3.59	3.61	0.95	-478.12	496.19	683.25	676.02	7.23	94.470		
500.00	499.45	552.99	552.32	3.80	3.87	0.88	-470.57	489.89	666.67	658.93	7.73	86.224		
600.00	598.70	652.63	651.43	4.04	4.12	0.80	-462.68	483.39	644.42	636.20	8.22	78.401		
700.00	697.47	817.69	814.52	4.32	4.62	0.75	-445.23	466.45	614.80	605.68	9.12	67.414		
800.00	795.62	907.11	901.92	4.65	4.92	0.71	-431.64	453.28	575.41	565.73	9.67	59.497		
900.00	893.06	980.84	974.33	5.02	5.18	0.65	-421.47	443.85	535.00	524.81	10.19	52.497		
993.00	982.91	1,053.01	1,045.56	5.39	5.44	0.64	-413.21	435.74	496.94	486.21	10.73	46.304		
1,000.00	989.65	1,058.46	1,050.95	5.42	5.46	0.64	-412.66	435.15	494.06	483.28	10.78	45.820		
1,100.00	1,085.84	1,149.54	1,141.06	5.86	5.81	0.75	-403.91	425.24	453.07	441.63	11.44	39.593		
1,200.00	1,182.03	1,245.04	1,235.47	6.32	6.18	0.91	-394.48	414.31	411.54	399.39	12.15	33.883		
1,300.00	1,278.22	1,332.12	1,321.53	6.79	6.53	0.99	-385.34	404.68	369.86	357.02	12.84	28.796		
1,400.00	1,374.42	1,422.34	1,410.79	7.28	6.89	1.00	-375.99	395.55	328.90	315.32	13.57	24.233		
1,500.00	1,470.61	1,514.48	1,501.96	7.79	7.27	0.97	-366.31	386.30	287.90	273.58	14.32	20.106		
1,600.00	1,566.80	1,606.91	1,593.34	8.30	7.66	0.79	-355.91	377.12	246.49	231.42	15.08	16.350		
1,700.00	1,663.00	1,695.46	1,680.89	8.82	8.03	0.43	-345.73	368.67	205.19	189.34	15.86	12.941		
1,800.00	1,759.19	1,786.43	1,770.99	9.34	8.42	-0.12	-335.93	360.70	164.89	148.24	16.64	9.907		
1,900.00	1,855.38	1,878.61	1,862.24	9.87	8.82	-0.95	-325.96	352.32	124.35	106.92	17.43	7.135		
2,000.00	1,951.58	1,969.59	1,952.22	10.41	9.21	-3.12	-315.26	344.15	83.37	65.13	18.24	4.571		
2,100.00	2,047.77	2,060.09	2,041.91	10.95	9.60	-8.63	-305.73	336.79	43.97	24.83	19.13	2.298		
2,200.00	2,143.96	2,152.23	2,133.52	11.49	9.99	-49.07	-298.69	329.89	8.93	-11.91	20.83	0.428 Level 1		
2,216.96	2,160.27	2,168.05	2,149.27	11.58	10.06	-89.97	-297.72	328.85	6.54	-15.09	21.63	0.302 Level 1, CC, ES, SF		
2,300.00	2,240.16	2,246.33	2,227.33	12.04	10.38	-166.74	-293.87	324.45	29.29	8.36	20.93	1.399 Level 3		
2,400.00	2,336.35	2,342.30	2,323.13	12.58	10.77	-175.79	-291.74	319.14	61.40	39.63	21.76	2.821		
2,500.00	2,432.54	2,438.97	2,419.75	13.13	11.16	-178.60	-291.91	316.15	90.64	68.01	22.63	4.005		
2,600.00	2,528.74	2,534.80	2,515.54	13.69	11.54	-179.82	-291.63	313.27	120.25	96.77	23.48	5.121		
2,700.00	2,624.93	2,635.53	2,616.21	14.24	11.93	178.93	-293.56	310.91	148.01	123.62	24.39	6.068		
2,800.00	2,721.12	2,731.03	2,711.68	14.80	12.30	178.71	-295.90	311.79	173.10	147.89	25.22	6.865		
2,900.00	2,817.32	2,823.01	2,803.65	15.35	12.67	178.95	-295.27	311.48	201.09	175.08	26.01	7.731		
3,000.00	2,913.51	2,923.35	2,903.98	15.91	13.07	179.03	-294.85	310.68	229.28	202.36	26.92	8.518		
3,100.00	3,009.70	3,024.04	3,004.65	16.47	13.46	178.97	-296.66	311.63	254.75	226.94	27.80	9.163		
3,200.00	3,105.90	3,117.42	3,098.00	17.03	13.82	179.25	-297.26	313.58	280.18	251.57	28.61	9.793		
3,300.00	3,202.09	3,209.83	3,190.41	17.59	14.19	179.55	-296.56	314.63	307.18	277.76	29.41	10.443		
3,400.00	3,298.28	3,304.37	3,284.94	18.15	14.58	179.72	-295.68	314.74	335.04	304.78	30.26	11.073		
3,500.00	3,394.48	3,399.44	3,380.01	18.72	14.97	179.76	-295.04	314.27	363.15	332.03	31.12	11.670		
3,600.00	3,490.67	3,494.18	3,474.75	19.28	15.37	179.80	-294.23	313.60	391.54	359.56	31.98	12.245		
3,700.00	3,586.86	3,586.25	3,566.80	19.84	15.75	179.79	-293.33	312.41	420.41	387.60	32.80	12.816		
3,800.00	3,683.06	3,693.37	3,673.91	20.41	16.20	179.80	-292.27	311.21	449.25	415.45	33.80	13.292		
3,900.00	3,779.25	3,795.80	3,776.32	20.97	16.60	179.90	-292.70	312.68	475.27	440.56	34.71	13.693		
4,000.00	3,875.44	3,889.56	3,870.06	21.54	16.98	-179.86	-292.19	315.04	501.18	465.64	35.54	14.102		
4,100.00	3,971.64	3,990.67	3,971.12	22.11	17.39	-179.64	-291.74	317.52	527.08	490.64	36.44	14.464		
4,200.00	4,067.83	4,090.54	4,070.97	22.67	17.78	-179.66	-293.29	319.19	552.22	514.89	37.33	14.793		
4,300.00	4,164.02	4,192.57	4,172.94	23.24	18.19	-179.83	-296.51	320.37	576.64	538.40	38.23	15.082		
4,400.00	4,260.22	4,279.15	4,259.45	23.81	18.54	179.90	-299.93	320.08	601.60	562.58	39.01	15.421		
4,500.00	4,356.41	4,361.79	4,342.01	24.37	18.87	179.56	-302.91	317.97	628.37	588.63	39.75	15.809		
4,600.00	4,452.60	4,457.04	4,437.19	24.94	19.26	179.25	-305.07	315.07	656.39	615.77	40.62	16.160		
4,700.00	4,548.79	4,558.64	4,538.78	25.51	19.68	179.17	-305.86	313.96	684.00	642.45	41.55	16.463		
4,800.00	4,644.99	4,659.13	4,639.26	26.08	20.09	179.28	-305.44	314.94	710.89	668.44	42.46	16.744		
4,900.00	4,741.18	4,760.71	4,740.81	26.65	20.51	179.49	-304.52	317.25	737.19	693.82	43.38	16.995		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,859.69	4,839.73	27.21	20.92	179.71	-303.87	320.34	762.72	718.45	44.27	17.229		
5,100.00	4,933.57	4,942.72	4,922.76	27.78	21.26	179.80	-303.50	321.58	789.28	744.26	45.01	17.534		
5,200.00	5,029.76	5,038.66	5,018.69	28.35	21.66	179.78	-303.73	321.37	816.61	770.72	45.89	17.795		
5,300.00	5,125.95	5,136.64	5,116.67	28.92	22.06	179.71	-304.65	320.61	843.87	797.09	46.79	18.037		
5,400.00	5,222.15	5,235.54	5,215.55	29.49	22.47	179.61	-306.15	319.84	870.76	823.06	47.69	18.258		
5,500.00	5,318.34	5,324.90	5,304.88	30.06	22.84	179.47	-307.89	318.50	897.89	849.38	48.50	18.511		
5,600.00	5,414.53	5,408.81	5,388.77	30.63	23.19	179.36	-308.77	316.50	926.21	876.95	49.26	18.802		
5,700.00	5,510.73	5,512.11	5,492.05	31.20	23.63	179.33	-308.50	315.22	954.58	904.35	50.23	19.006		
5,800.00	5,606.92	5,603.37	5,583.31	31.77	24.02	179.40	-307.35	315.06	982.85	931.79	51.06	19.249		
5,900.00	5,703.11	5,693.19	5,673.11	32.34	24.40	179.46	-305.71	314.39	1,011.88	960.00	51.88	19.504		
6,000.00	5,799.31	5,807.95	5,787.86	32.91	24.89	179.52	-304.53	314.23	1,039.94	986.98	52.96	19.636		
6,100.00	5,895.50	5,908.79	5,888.69	33.48	25.31	179.60	-303.73	315.31	1,067.02	1,013.14	53.88	19.802		
6,200.00	5,991.69	6,010.64	5,990.54	34.05	25.73	179.62	-304.01	315.79	1,093.84	1,039.02	54.81	19.956		
6,300.00	6,087.89	6,113.29	6,093.17	34.62	26.16	179.57	-305.80	315.91	1,119.95	1,064.20	55.75	20.089		
6,400.00	6,184.08	7,599.21	6,965.54	35.19	37.12	-140.91	-297.11	1,176.63	1,115.58	1,062.71	52.87	21.100		
6,500.00	6,280.27	7,613.77	6,964.80	35.77	37.36	-140.02	-296.67	1,191.17	1,063.24	1,006.50	56.74	18.739		
6,535.30	6,314.23	7,619.00	6,964.54	35.97	37.44	-139.70	-296.51	1,196.38	1,046.37	988.25	58.12	18.004		
6,550.00	6,328.40	7,621.01	6,964.44	36.05	37.48	-142.32	-296.45	1,198.39	1,039.59	980.90	58.69	17.713		
6,600.00	6,377.01	7,625.34	6,964.23	36.31	37.55	-155.08	-296.33	1,202.72	1,017.61	957.02	60.59	16.796		
6,650.00	6,426.00	7,625.69	6,964.21	36.54	37.55	-174.08	-296.32	1,203.07	997.46	935.08	62.38	15.991		
6,700.00	6,475.08	7,621.99	6,964.39	36.73	37.49	164.55	-296.42	1,199.37	979.41	915.38	64.03	15.297		
6,750.00	6,523.94	7,614.18	6,964.78	36.90	37.36	146.94	-296.65	1,191.57	963.63	898.12	65.51	14.711		
6,800.00	6,572.28	7,602.24	6,965.39	37.05	37.17	134.67	-297.02	1,179.66	950.24	883.45	66.79	14.227		
6,850.00	6,619.81	7,586.18	6,966.22	37.19	36.90	126.25	-297.53	1,163.63	939.29	871.42	67.86	13.841		
6,900.00	6,666.23	7,566.04	6,967.30	37.32	36.57	120.10	-298.21	1,143.52	930.72	862.01	68.71	13.546		
6,950.00	6,711.25	7,542.21	6,968.63	37.46	36.19	115.27	-299.06	1,119.75	924.42	855.08	69.34	13.332		
7,000.00	6,754.60	7,515.14	6,970.14	37.61	35.78	111.22	-300.06	1,092.73	920.21	850.43	69.78	13.188		
7,050.00	6,796.01	7,484.72	6,971.81	37.77	35.32	107.65	-301.20	1,062.38	917.85	847.84	70.01	13.110		
7,100.00	6,835.22	7,452.75	6,973.55	37.94	34.85	104.46	-302.44	1,030.49	917.07	846.95	70.11	13.080		
7,101.71	6,836.52	7,451.77	6,973.60	37.94	34.84	104.36	-302.47	1,029.51	917.07	846.95	70.12	13.079		
7,150.00	6,871.99	7,423.06	6,975.07	38.12	34.45	101.71	-303.45	1,000.86	917.72	847.51	70.21	13.071		
7,200.00	6,906.10	7,391.44	6,976.55	38.34	34.02	99.16	-304.31	969.27	919.62	849.41	70.20	13.100		
7,250.00	6,937.34	7,357.87	6,977.92	38.57	33.58	96.78	-304.97	935.75	922.48	852.35	70.13	13.154		
7,300.00	6,965.51	7,323.79	6,977.70	38.84	33.17	94.54	-305.33	901.67	926.08	856.01	70.07	13.217		
7,350.00	6,990.44	7,290.95	6,975.37	39.14	32.78	92.45	-305.35	868.92	930.31	860.28	70.02	13.285		
7,400.00	7,011.97	7,258.99	6,971.11	39.47	32.41	90.49	-305.07	837.25	935.09	865.07	70.02	13.354		
7,450.00	7,029.98	7,227.49	6,965.19	39.85	32.08	88.66	-304.51	806.32	940.33	870.26	70.07	13.419		
7,500.00	7,044.34	7,196.55	6,957.77	40.26	31.75	86.94	-303.69	776.30	945.91	875.75	70.16	13.481		
7,550.00	7,054.99	7,166.29	6,949.02	40.72	31.45	85.36	-302.62	747.36	951.74	881.41	70.32	13.534		
7,600.00	7,061.83	7,136.55	6,939.18	41.21	31.18	83.92	-301.29	719.32	957.72	887.16	70.56	13.573		
7,650.00	7,064.85	7,106.90	6,928.23	41.73	30.91	82.61	-299.66	691.82	963.74	892.90	70.84	13.604		
7,661.89	7,065.00	7,099.86	6,925.47	41.86	30.85	82.32	-299.23	685.36	965.16	894.25	70.91	13.611		
7,700.00	7,065.13	7,074.52	6,914.99	42.28	30.64	81.70	-297.58	662.36	970.05	898.94	71.11	13.642		
7,800.00	7,065.47	6,990.67	6,873.65	43.53	30.03	79.31	-293.30	589.60	984.68	913.34	71.34	13.802		
7,900.00	7,065.82	6,925.30	6,834.75	44.94	29.64	77.09	-291.35	537.14	1,002.88	930.96	71.92	13.944		
8,000.00	7,066.16	6,873.02	6,799.92	46.50	29.36	75.13	-290.35	498.19	1,026.03	953.34	72.69	14.116		
8,100.00	7,066.50	6,830.50	6,769.64	48.19	29.15	73.45	-289.41	468.35	1,055.02	981.45	73.57	14.340		
8,200.00	7,066.85	6,789.29	6,738.78	50.00	28.96	71.78	-288.33	441.07	1,089.89	1,015.53	74.36	14.656		
8,300.00	7,067.19	6,745.17	6,703.79	51.91	28.77	69.92	-288.00	414.22	1,130.06	1,055.10	74.96	15.075		
8,400.00	7,067.54	6,707.00	6,671.95	53.92	28.61	68.24	-288.69	393.20	1,175.42	1,099.90	75.52	15.564		
8,500.00	7,067.88	6,679.56	6,648.20	56.01	28.50	67.00	-289.81	379.50	1,225.86	1,149.71	76.15	16.098		
8,600.00	7,068.22	6,655.48	6,626.80	58.16	28.41	65.89	-291.27	368.58	1,281.15	1,204.46	76.70	16.704		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,635.49	6,608.66	60.38	28.33	64.95	-292.82	360.30	1,340.92	1,263.74	77.18	17.373		
8,800.00	7,068.91	6,612.00	6,586.99	62.65	28.23	63.83	-295.03	351.52	1,404.80	1,327.32	77.48	18.131		
8,900.00	7,069.25	6,612.00	6,586.99	64.97	28.23	63.83	-295.03	351.52	1,472.30	1,394.21	78.09	18.855		
9,000.00	7,069.60	6,612.00	6,586.99	67.34	28.23	63.83	-295.03	351.52	1,543.32	1,464.76	78.56	19.645		
9,100.00	7,069.94	6,612.00	6,586.99	69.74	28.23	63.83	-295.03	351.52	1,617.42	1,538.49	78.93	20.493		
9,200.00	7,070.28	6,612.00	6,586.99	72.18	28.23	63.83	-295.03	351.52	1,694.18	1,614.98	79.20	21.390		
9,300.00	7,070.63	6,573.91	6,551.08	74.65	28.08	62.03	-298.68	339.40	1,771.55	1,692.61	78.95	22.440		
9,400.00	7,070.97	6,567.44	6,544.89	77.15	28.05	61.72	-299.24	337.59	1,852.03	1,772.97	79.06	23.426		
9,500.00	7,071.32	6,561.49	6,539.18	79.67	28.03	61.44	-299.75	336.00	1,934.25	1,855.11	79.14	24.442		
9,600.00	7,071.66	6,555.99	6,533.89	82.22	28.01	61.18	-300.21	334.59	2,017.99	1,938.81	79.19	25.484		
9,700.00	7,072.00	6,518.00	6,496.93	84.78	27.85	59.41	-303.05	326.31	2,104.36	2,025.48	78.88	26.678		
9,800.00	7,072.35	6,518.00	6,496.93	87.37	27.85	59.41	-303.05	326.31	2,190.33	2,111.37	78.96	27.741		
9,900.00	7,072.69	6,518.00	6,496.93	89.97	27.85	59.41	-303.05	326.31	2,277.45	2,198.44	79.01	28.824		
10,000.00	7,073.03	6,518.00	6,496.93	92.59	27.85	59.41	-303.05	326.31	2,365.58	2,286.54	79.05	29.927		
10,100.00	7,073.38	6,518.00	6,496.93	95.22	27.85	59.41	-303.05	326.31	2,454.63	2,375.57	79.06	31.046		
10,200.00	7,073.72	6,518.00	6,496.93	97.86	27.85	59.41	-303.05	326.31	2,544.49	2,465.42	79.07	32.181		
10,300.00	7,074.07	6,518.00	6,496.93	100.52	27.85	59.41	-303.05	326.31	2,635.08	2,556.02	79.06	33.328		
10,400.00	7,074.41	6,518.00	6,496.93	103.19	27.85	59.41	-303.05	326.31	2,726.33	2,647.28	79.05	34.488		
10,500.00	7,074.75	6,518.00	6,496.93	105.87	27.85	59.41	-303.05	326.31	2,818.18	2,739.14	79.03	35.658		
10,600.00	7,075.10	6,518.00	6,496.93	108.55	27.85	59.41	-303.05	326.31	2,910.56	2,831.55	79.01	36.838		
10,700.00	7,075.44	6,518.00	6,496.93	111.25	27.85	59.41	-303.05	326.31	3,003.43	2,924.44	78.98	38.026		
10,800.00	7,075.78	6,518.00	6,496.93	113.96	27.85	59.41	-303.05	326.31	3,096.74	3,017.78	78.96	39.221		
10,900.00	7,076.13	6,518.00	6,496.93	116.67	27.85	59.41	-303.05	326.31	3,190.46	3,111.53	78.93	40.424		
11,000.00	7,076.47	6,518.00	6,496.93	119.39	27.85	59.41	-303.05	326.31	3,284.55	3,205.65	78.89	41.632		
11,100.00	7,076.81	6,518.00	6,496.93	122.11	27.85	59.41	-303.05	326.31	3,378.97	3,300.11	78.86	42.846		
11,200.00	7,077.16	6,518.00	6,496.93	124.85	27.85	59.41	-303.05	326.31	3,473.71	3,394.88	78.83	44.065		
11,300.00	7,077.50	6,518.00	6,496.93	127.58	27.85	59.41	-303.05	326.31	3,568.74	3,489.94	78.80	45.289		
11,400.00	7,077.85	6,518.00	6,496.93	130.33	27.85	59.41	-303.05	326.31	3,664.03	3,585.26	78.77	46.516		
11,500.00	7,078.19	6,518.00	6,496.93	133.08	27.85	59.41	-303.05	326.31	3,759.57	3,680.83	78.74	47.747		
11,600.00	7,078.53	6,518.00	6,496.93	135.83	27.85	59.41	-303.05	326.31	3,855.33	3,776.62	78.71	48.980		
11,700.00	7,078.88	6,518.00	6,496.93	138.59	27.85	59.41	-303.05	326.31	3,951.31	3,872.62	78.68	50.217		
11,800.00	7,079.22	6,518.00	6,496.93	141.35	27.85	59.41	-303.05	326.31	4,047.47	3,968.81	78.66	51.456		
11,900.00	7,079.56	6,518.00	6,496.93	144.11	27.85	59.41	-303.05	326.31	4,143.82	4,065.19	78.63	52.697		
12,000.00	7,079.91	6,518.00	6,496.93	146.88	27.85	59.41	-303.05	326.31	4,240.34	4,161.73	78.61	53.940		
12,100.00	7,080.25	6,518.00	6,496.93	149.66	27.85	59.41	-303.05	326.31	4,337.02	4,258.43	78.59	55.184		
12,200.00	7,080.60	6,477.67	6,457.17	152.43	27.68	57.59	-305.36	319.96	4,432.53	4,354.10	78.43	56.516		
12,300.00	7,080.94	6,475.92	6,455.43	155.21	27.68	57.52	-305.45	319.74	4,529.38	4,450.97	78.41	57.766		
12,400.00	7,081.28	6,474.23	6,453.76	157.99	27.67	57.44	-305.52	319.52	4,626.36	4,547.97	78.39	59.017		
12,500.00	7,081.63	6,472.60	6,452.14	160.78	27.66	57.37	-305.60	319.32	4,723.46	4,645.09	78.37	60.268		
12,600.00	7,081.97	6,471.02	6,450.58	163.57	27.66	57.30	-305.67	319.12	4,820.68	4,742.32	78.36	61.520		
12,700.00	7,082.31	6,469.50	6,449.07	166.36	27.65	57.23	-305.73	318.94	4,918.00	4,839.65	78.35	62.772		
12,800.00	7,082.66	6,468.03	6,447.61	169.15	27.64	57.17	-305.80	318.76	5,015.43	4,937.09	78.34	64.024		
12,900.00	7,083.00	6,466.60	6,446.20	171.94	27.64	57.11	-305.86	318.59	5,112.95	5,034.62	78.33	65.276		
13,000.00	7,083.35	6,465.22	6,444.83	174.74	27.63	57.05	-305.92	318.43	5,210.56	5,132.24	78.32	66.528		
13,100.00	7,083.69	6,425.00	6,404.79	177.54	27.47	55.33	-307.18	314.87	5,309.44	5,231.23	78.21	67.887		
13,200.00	7,084.03	6,425.00	6,404.79	180.34	27.47	55.33	-307.18	314.87	5,407.14	5,328.93	78.21	69.134		
13,300.00	7,084.38	6,425.00	6,404.79	183.14	27.47	55.33	-307.18	314.87	5,504.93	5,426.71	78.22	70.381		
13,400.00	7,084.72	6,425.00	6,404.79	185.95	27.47	55.33	-307.18	314.87	5,602.79	5,524.56	78.22	71.627		
13,500.00	7,085.06	6,425.00	6,404.79	188.76	27.47	55.33	-307.18	314.87	5,700.72	5,622.49	78.23	72.873		
13,600.00	7,085.41	6,425.00	6,404.79	191.56	27.47	55.33	-307.18	314.87	5,798.73	5,720.49	78.24	74.119		
13,700.00	7,085.75	6,425.00	6,404.79	194.37	27.47	55.33	-307.18	314.87	5,896.80	5,818.55	78.24	75.364		
13,800.00	7,086.09	6,425.00	6,404.79	197.18	27.47	55.33	-307.18	314.87	5,994.93	5,916.68	78.26	76.607		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 170-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,425.00	6,404.79	200.00	27.47	55.33	-307.18	314.87	6,093.13	6,014.86	78.27	77.851		
14,000.00	7,086.78	6,425.00	6,404.79	202.81	27.47	55.33	-307.18	314.87	6,191.38	6,113.10	78.28	79.093		
14,100.00	7,087.13	6,425.00	6,404.79	205.63	27.47	55.33	-307.18	314.87	6,289.69	6,211.40	78.29	80.334		
14,200.00	7,087.47	6,425.00	6,404.79	208.44	27.47	55.33	-307.18	314.87	6,388.06	6,309.74	78.31	81.573		
14,300.00	7,087.81	6,425.00	6,404.79	211.26	27.47	55.33	-307.18	314.87	6,486.47	6,408.14	78.33	82.812		
14,400.00	7,088.16	6,425.00	6,404.79	214.08	27.47	55.33	-307.18	314.87	6,584.93	6,506.58	78.35	84.049		
14,500.00	7,088.50	6,425.00	6,404.79	216.90	27.47	55.33	-307.18	314.87	6,683.43	6,605.07	78.37	85.285		
14,600.00	7,088.84	6,425.00	6,404.79	219.72	27.47	55.33	-307.18	314.87	6,781.98	6,703.59	78.39	86.520		
14,700.00	7,089.19	6,425.00	6,404.79	222.54	27.47	55.33	-307.18	314.87	6,880.57	6,802.16	78.41	87.752		
14,800.00	7,089.53	6,425.00	6,404.79	225.37	27.47	55.33	-307.18	314.87	6,979.20	6,900.77	78.43	88.984		
14,900.00	7,089.88	6,425.00	6,404.79	228.19	27.47	55.33	-307.18	314.87	7,077.87	6,999.42	78.46	90.213		
15,000.00	7,090.22	6,425.00	6,404.79	231.02	27.47	55.33	-307.18	314.87	7,176.58	7,098.10	78.48	91.441		
15,100.00	7,090.56	6,425.00	6,404.79	233.84	27.47	55.33	-307.18	314.87	7,275.32	7,196.81	78.51	92.668		
15,200.00	7,090.91	6,425.00	6,404.79	236.67	27.47	55.33	-307.18	314.87	7,374.10	7,295.56	78.54	93.892		
15,227.29	7,091.00	6,425.00	6,404.79	237.44	27.47	55.33	-307.18	314.87	7,401.06	7,322.51	78.55	94.226		
15,300.00	7,091.25	6,425.00	6,404.79	239.49	27.47	49.22	-307.18	314.87	7,473.01	7,394.44	78.57	95.114		
15,326.57	7,091.35	6,425.00	6,404.79	240.24	27.47	46.49	-307.18	314.87	7,499.36	7,420.78	78.58	95.437		
15,400.00	7,091.60	6,425.00	6,404.79	242.30	27.47	46.49	-307.18	314.87	7,572.21	7,493.61	78.61	96.331		
15,500.00	7,091.96	6,425.00	6,404.79	245.12	27.47	46.49	-307.18	314.87	7,671.44	7,592.80	78.64	97.547		
15,600.00	7,092.31	6,425.00	6,404.79	247.93	27.47	46.49	-307.18	314.87	7,770.69	7,692.01	78.68	98.761		
15,700.00	7,092.66	6,425.00	6,404.79	250.75	27.47	46.49	-307.18	314.87	7,869.96	7,791.24	78.72	99.973		
15,800.00	7,093.01	6,425.00	6,404.79	253.56	27.47	46.49	-307.18	314.87	7,969.25	7,890.49	78.76	101.182		
15,900.00	7,093.36	6,425.00	6,404.79	256.38	27.47	46.49	-307.18	314.87	8,068.56	7,989.76	78.80	102.389		
16,000.00	7,093.71	6,425.00	6,404.79	259.20	27.47	46.49	-307.18	314.87	8,167.88	8,089.04	78.85	103.594		
16,100.00	7,094.07	6,425.00	6,404.79	262.02	27.47	46.49	-307.18	314.87	8,267.22	8,188.33	78.89	104.796		
16,200.00	7,094.42	6,425.00	6,404.79	264.84	27.47	46.49	-307.18	314.87	8,366.57	8,287.64	78.93	105.996		
16,300.00	7,094.77	6,425.00	6,404.79	267.65	27.47	46.49	-307.18	314.87	8,465.94	8,386.97	78.98	107.194		
16,400.00	7,095.12	6,425.00	6,404.79	270.47	27.47	46.49	-307.18	314.87	8,565.33	8,486.31	79.02	108.389		
16,500.00	7,095.47	6,425.00	6,404.79	273.30	27.47	46.49	-307.18	314.87	8,664.73	8,585.66	79.07	109.582		
16,600.00	7,095.82	6,425.00	6,404.79	276.12	27.47	46.49	-307.18	314.87	8,764.14	8,685.02	79.12	110.772		
16,700.00	7,096.18	6,425.00	6,404.79	278.94	27.47	46.49	-307.18	314.87	8,863.57	8,784.40	79.17	111.959		
16,800.00	7,096.53	6,425.00	6,404.79	281.76	27.47	46.49	-307.18	314.87	8,963.00	8,883.79	79.22	113.144		
16,900.00	7,096.88	6,425.00	6,404.79	284.58	27.47	46.49	-307.18	314.87	9,062.46	8,983.19	79.27	114.327		
17,000.00	7,097.23	6,425.00	6,404.79	287.41	27.47	46.49	-307.18	314.87	9,161.92	9,082.60	79.32	115.506		
17,100.00	7,097.58	6,425.00	6,404.79	290.23	27.47	46.49	-307.18	314.87	9,261.39	9,182.02	79.37	116.683		
17,200.00	7,097.93	6,425.00	6,404.79	293.06	27.47	46.49	-307.18	314.87	9,360.88	9,281.45	79.43	117.858		
17,300.00	7,098.29	6,425.00	6,404.79	295.88	27.47	46.49	-307.18	314.87	9,460.37	9,380.89	79.48	119.029		
17,400.00	7,098.64	6,425.00	6,404.79	298.71	27.47	46.49	-307.18	314.87	9,559.88	9,480.35	79.53	120.198		
17,500.00	7,098.99	6,425.00	6,404.79	301.53	27.47	46.49	-307.18	314.87	9,659.40	9,579.81	79.59	121.364		
17,600.00	7,099.34	6,425.00	6,404.79	304.36	27.47	46.49	-307.18	314.87	9,758.92	9,679.28	79.65	122.528		
17,700.00	7,099.69	6,425.00	6,404.79	307.19	27.47	46.49	-307.18	314.87	9,858.46	9,778.76	79.70	123.688		
17,800.00	7,100.04	6,425.00	6,404.79	310.01	27.47	46.49	-307.18	314.87	9,958.01	9,878.24	79.76	124.846		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	134.47	-498.01	507.26	710.95					
100.00	100.00	76.74	76.73	3.28	3.28	134.49	-498.62	507.58	711.63	705.06	6.57	108.309		
200.00	200.00	172.16	172.12	3.34	3.31	134.56	-500.95	508.71	714.16	707.51	6.65	107.391		
300.00	299.98	294.65	294.59	3.44	3.42	1.71	-502.94	508.09	713.20	706.33	6.87	103.851		
400.00	399.84	431.71	431.50	3.59	3.64	2.05	-502.57	502.27	704.85	697.58	7.27	96.896		
500.00	499.45	556.28	555.40	3.80	3.91	2.73	-500.44	489.69	687.76	679.97	7.79	88.319		
600.00	598.70	651.41	649.79	4.04	4.15	3.43	-498.72	478.02	665.88	657.62	8.26	80.616		
700.00	697.47	730.49	728.22	4.32	4.38	4.24	-499.31	467.85	642.19	633.46	8.73	73.586		
800.00	795.62	800.57	797.72	4.65	4.59	5.16	-502.78	459.65	618.98	609.76	9.22	67.108		
900.00	893.06	877.17	873.56	5.02	4.85	6.41	-509.64	451.44	596.24	586.44	9.80	60.833		
993.00	982.91	954.58	950.11	5.39	5.11	7.86	-518.56	444.07	574.89	564.49	10.40	55.277		
1,000.00	989.65	960.52	955.98	5.42	5.13	7.96	-519.26	443.58	573.26	562.81	10.45	54.849		
1,100.00	1,085.84	1,039.67	1,034.34	5.86	5.41	9.37	-529.00	438.24	551.56	540.45	11.10	49.670		
1,200.00	1,182.03	1,117.06	1,110.93	6.32	5.69	10.67	-539.78	435.80	533.67	521.89	11.78	45.310		
1,300.00	1,278.22	1,199.28	1,192.08	6.79	5.98	11.99	-553.00	435.93	519.75	507.26	12.49	41.621		
1,400.00	1,374.42	1,291.53	1,282.91	7.28	6.33	13.53	-569.08	437.05	508.00	494.75	13.25	38.346		
1,500.00	1,470.61	1,384.99	1,374.66	7.79	6.69	15.29	-586.87	437.71	497.79	483.75	14.04	35.459		
1,600.00	1,566.80	1,479.91	1,467.64	8.30	7.08	17.25	-605.94	437.94	488.83	473.98	14.86	32.903		
1,700.00	1,663.00	1,574.90	1,560.54	8.82	7.48	19.31	-625.77	438.23	481.26	465.57	15.69	30.666		
1,800.00	1,759.19	1,672.07	1,655.51	9.34	7.90	21.48	-646.32	438.73	474.72	458.16	16.56	28.671		
1,900.00	1,855.38	1,766.96	1,748.15	9.87	8.32	23.64	-666.86	439.44	469.45	452.02	17.42	26.942		
2,000.00	1,951.58	1,873.60	1,852.48	10.41	8.80	26.05	-688.89	440.43	464.06	445.70	18.37	25.266		
2,100.00	2,047.77	1,974.87	1,951.77	10.95	9.25	28.33	-708.77	441.51	458.48	439.19	19.29	23.762		
2,200.00	2,143.96	2,076.03	2,051.10	11.49	9.72	30.83	-727.96	441.08	452.59	432.35	20.24	22.363		
2,300.00	2,240.16	2,173.31	2,146.60	12.04	10.16	33.26	-746.46	440.91	447.66	426.49	21.17	21.141		
2,400.00	2,336.35	2,272.79	2,244.34	12.58	10.62	35.69	-764.95	441.46	443.30	421.16	22.13	20.027		
2,500.00	2,432.54	2,371.10	2,340.91	13.13	11.08	38.33	-783.35	440.46	439.67	416.56	23.11	19.029		
2,600.00	2,528.74	2,471.06	2,439.15	13.69	11.55	41.02	-801.79	439.61	436.77	412.67	24.10	18.123		
2,700.00	2,624.93	2,569.74	2,536.23	14.24	12.01	43.66	-819.48	439.20	434.35	409.25	25.10	17.307		
2,800.00	2,721.12	2,669.81	2,634.71	14.80	12.48	46.29	-837.23	439.25	432.69	406.58	26.11	16.570		
2,900.00	2,817.32	2,766.31	2,729.73	15.35	12.94	49.05	-854.04	437.78	431.71	404.59	27.12	15.917		
2,909.73	2,826.68	2,775.53	2,738.79	15.41	12.98	49.33	-855.66	437.49	431.70	404.48	27.22	15.859		
3,000.00	2,913.51	2,860.46	2,822.29	15.91	13.38	51.96	-870.91	434.56	432.50	404.37	28.13	15.373		
3,100.00	3,009.70	2,956.58	2,916.71	16.47	13.84	54.86	-888.70	431.61	435.07	405.90	29.17	14.917		
3,200.00	3,105.90	3,055.54	3,013.91	17.03	14.32	57.76	-907.06	428.98	438.78	408.55	30.23	14.516		
3,300.00	3,202.09	3,152.84	3,109.52	17.59	14.79	60.46	-925.02	427.14	443.33	412.05	31.28	14.174		
3,400.00	3,298.28	3,251.34	3,206.29	18.15	15.26	63.11	-943.28	425.54	448.90	416.55	32.34	13.879		
3,500.00	3,394.48	3,354.65	3,307.90	18.72	15.76	65.73	-961.99	424.77	454.71	421.26	33.45	13.593		
3,600.00	3,490.67	3,454.11	3,405.80	19.28	16.23	68.10	-979.50	424.95	460.59	426.06	34.53	13.340		
3,700.00	3,586.86	3,553.79	3,503.95	19.84	16.71	70.38	-996.89	425.48	466.94	431.33	35.61	13.114		
3,800.00	3,683.06	3,655.96	3,604.68	20.41	17.19	72.66	-1,014.00	426.34	473.25	436.55	36.70	12.894		
3,900.00	3,779.25	3,749.73	3,697.27	20.97	17.64	74.90	-1,028.77	425.64	480.16	442.42	37.74	12.724		
4,000.00	3,875.44	3,835.50	3,781.76	21.54	18.05	77.01	-1,043.31	423.29	489.88	451.20	38.68	12.664		
4,100.00	3,971.64	3,928.35	3,872.99	22.11	18.50	79.17	-1,060.34	420.27	501.90	462.21	39.69	12.645		
4,200.00	4,067.83	4,020.51	3,963.37	22.67	18.95	81.22	-1,077.99	416.70	515.67	474.99	40.69	12.674		
4,300.00	4,164.02	4,117.31	4,058.22	23.24	19.43	83.23	-1,096.98	412.95	530.52	488.78	41.74	12.711		
4,400.00	4,260.22	4,211.78	4,150.65	23.81	19.90	85.03	-1,116.20	409.40	546.48	503.73	42.75	12.783		
4,500.00	4,356.41	4,315.58	4,252.26	24.37	20.41	86.86	-1,137.15	406.21	562.42	518.53	43.89	12.815		
4,600.00	4,452.60	4,414.96	4,349.69	24.94	20.90	88.53	-1,156.53	403.54	578.07	533.11	44.96	12.857		
4,700.00	4,548.79	4,512.46	4,445.08	25.51	21.39	89.92	-1,176.66	402.15	594.13	548.12	46.01	12.913		
4,800.00	4,644.99	4,610.82	4,541.11	26.08	21.88	91.11	-1,197.97	401.93	610.37	563.30	47.07	12.968		
4,900.00	4,741.18	4,707.19	4,635.27	26.65	22.37	92.27	-1,218.43	401.19	626.94	578.84	48.10	13.034		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,808.04	4,733.87	27.21	22.87	93.47	-1,239.57	400.01	643.88	594.70	49.19	13.090		
5,100.00	4,933.57	4,905.45	4,829.36	27.78	23.35	94.65	-1,258.82	398.71	660.42	610.19	50.23	13.148		
5,200.00	5,029.76	5,012.85	4,934.68	28.35	23.89	95.92	-1,279.75	397.04	677.24	625.86	51.38	13.180		
5,300.00	5,125.95	5,118.48	5,038.37	28.92	24.41	97.02	-1,299.92	397.62	692.43	639.92	52.51	13.187		
5,400.00	5,222.15	5,225.88	5,143.85	29.49	24.93	98.06	-1,320.02	399.23	706.85	653.21	53.64	13.177		
5,500.00	5,318.34	5,333.74	5,250.15	30.06	25.45	99.18	-1,338.24	401.20	720.13	665.36	54.76	13.150		
5,600.00	5,414.53	5,433.34	5,348.59	30.63	25.92	100.28	-1,353.24	402.99	732.58	676.78	55.80	13.128		
5,700.00	5,510.73	5,515.83	5,429.99	31.20	26.31	101.15	-1,366.57	403.73	746.64	689.95	56.68	13.172		
5,800.00	5,606.92	5,607.38	5,520.13	31.77	26.76	102.03	-1,382.56	403.73	762.37	704.73	57.64	13.226		
5,900.00	5,703.11	5,709.31	5,620.61	32.34	27.25	103.04	-1,399.65	403.31	778.27	719.56	58.71	13.257		
6,000.00	5,799.31	5,801.06	5,710.84	32.91	27.70	103.81	-1,416.31	403.49	794.61	734.94	59.67	13.317		
6,100.00	5,895.50	5,894.88	5,802.64	33.48	28.17	104.41	-1,435.65	404.13	811.94	751.28	60.66	13.386		
6,200.00	5,991.69	6,004.10	5,909.72	34.05	28.71	105.12	-1,457.11	405.25	828.58	766.76	61.82	13.404		
6,300.00	6,087.89	6,099.78	6,003.89	34.62	29.18	105.86	-1,474.01	405.66	844.86	782.04	62.82	13.450		
6,400.00	6,184.08	6,197.74	6,100.15	35.19	29.66	106.54	-1,492.18	405.86	861.89	798.05	63.84	13.501		
6,500.00	6,280.27	6,316.26	6,216.85	35.77	30.24	107.38	-1,512.79	407.27	877.67	812.60	65.07	13.489		
6,535.30	6,314.23	6,369.45	6,269.23	35.97	30.49	107.71	-1,521.90	409.05	882.60	817.02	65.58	13.458		
6,550.00	6,328.40	7,371.22	6,967.07	36.05	34.93	78.74	-1,668.26	1,007.72	875.74	833.16	42.59	20.564		
6,600.00	6,377.01	7,443.68	6,978.67	36.31	35.78	50.92	-1,674.21	1,078.97	834.88	792.00	42.88	19.471		
6,650.00	6,426.00	7,474.73	6,981.68	36.54	36.17	19.85	-1,676.79	1,109.76	793.36	749.09	44.28	17.919		
6,700.00	6,475.08	7,484.91	6,982.41	36.73	36.30	-10.80	-1,677.64	1,119.88	752.17	706.05	46.12	16.310		
6,750.00	6,523.94	7,482.97	6,982.28	36.90	36.27	-35.30	-1,677.47	1,117.96	711.84	663.63	48.21	14.766		
6,800.00	6,572.28	7,473.45	6,981.58	37.05	36.15	-52.47	-1,676.68	1,108.50	672.79	622.32	50.48	13.329		
6,850.00	6,619.81	7,458.88	6,980.29	37.19	35.97	-64.14	-1,675.47	1,094.03	635.38	582.51	52.87	12.017		
6,900.00	6,666.23	7,440.77	6,978.33	37.32	35.75	-72.10	-1,673.96	1,076.09	599.95	544.58	55.37	10.836		
6,950.00	6,711.25	7,420.10	6,975.60	37.46	35.49	-77.56	-1,672.26	1,055.67	566.83	508.93	57.90	9.789		
7,000.00	6,754.60	7,397.87	6,972.08	37.61	35.21	-81.25	-1,670.43	1,033.80	536.39	476.00	60.40	8.881		
7,050.00	6,796.01	7,373.23	6,967.48	37.77	34.95	-83.47	-1,668.42	1,009.68	508.99	446.11	62.88	8.094		
7,100.00	6,835.22	7,347.54	6,961.90	37.94	34.68	-84.63	-1,666.33	984.69	484.96	419.76	65.19	7.439		
7,150.00	6,871.99	7,321.01	6,955.30	38.12	34.42	-84.90	-1,664.16	959.08	464.61	397.39	67.22	6.911		
7,200.00	6,906.10	7,294.56	6,947.88	38.34	34.17	-84.51	-1,662.00	933.79	448.22	379.36	68.86	6.509		
7,250.00	6,937.34	7,263.35	6,938.09	38.57	33.93	-83.01	-1,659.40	904.27	435.91	365.74	70.17	6.212		
7,300.00	6,965.51	7,231.90	6,927.16	38.84	33.72	-80.98	-1,656.53	874.92	427.57	356.62	70.95	6.026		
7,350.00	6,990.44	7,200.27	6,915.10	39.14	33.54	-78.51	-1,653.41	845.85	423.11	351.90	71.22	5.941		
7,384.50	7,005.67	7,180.03	6,906.81	39.37	33.45	-76.76	-1,651.32	827.50	422.21	351.07	71.15	5.934 CC, ES, SF		
7,400.00	7,011.97	7,171.33	6,903.07	39.47	33.41	-75.96	-1,650.41	819.70	422.39	351.33	71.06	5.944		
7,450.00	7,029.98	7,143.37	6,890.37	39.85	33.30	-73.19	-1,647.52	794.96	425.30	354.72	70.58	6.026		
7,500.00	7,044.34	7,115.56	6,876.70	40.26	33.21	-70.17	-1,644.66	770.92	431.49	361.59	69.90	6.173		
7,550.00	7,054.99	7,087.81	6,862.05	40.72	33.13	-66.97	-1,641.82	747.53	440.52	371.37	69.15	6.370		
7,600.00	7,061.83	7,060.14	6,846.44	41.21	33.05	-63.66	-1,638.99	724.86	451.92	383.48	68.44	6.603		
7,650.00	7,064.85	7,032.66	6,829.96	41.73	32.97	-60.31	-1,636.17	703.05	465.24	397.40	67.84	6.858		
7,661.89	7,065.00	7,026.15	6,825.92	41.86	32.95	-59.51	-1,635.51	697.99	468.64	400.93	67.71	6.921		
7,700.00	7,065.13	7,005.81	6,812.96	42.28	32.90	-57.97	-1,633.42	682.45	480.42	413.08	67.35	7.134		
7,800.00	7,065.47	6,944.48	6,771.42	43.53	32.72	-53.20	-1,626.00	637.97	517.52	451.37	66.15	7.823		
7,900.00	7,065.82	6,891.79	6,733.17	44.94	32.56	-49.04	-1,617.88	602.68	562.98	497.68	65.29	8.622		
8,000.00	7,066.16	6,845.15	6,697.75	46.50	32.41	-45.42	-1,609.76	573.45	616.16	551.36	64.80	9.509		
8,100.00	7,066.50	6,815.00	6,674.17	48.19	32.32	-43.14	-1,604.10	555.54	676.18	611.13	65.05	10.395		
8,200.00	7,066.85	6,772.08	6,639.64	50.00	32.16	-40.01	-1,595.92	531.40	741.86	676.96	64.90	11.431		
8,300.00	7,067.19	6,742.24	6,614.98	51.91	32.06	-37.94	-1,590.33	515.57	812.55	747.38	65.17	12.468		
8,400.00	7,067.54	6,720.00	6,596.25	53.92	31.98	-36.46	-1,586.23	504.28	887.26	821.64	65.62	13.521		
8,500.00	7,067.88	6,691.92	6,572.21	56.01	31.88	-34.66	-1,581.09	490.73	965.24	899.37	65.87	14.655		
8,600.00	7,068.22	6,670.71	6,553.75	58.16	31.80	-33.35	-1,577.21	481.04	1,045.99	979.77	66.22	15.795		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,651.48	6,536.79	60.38	31.73	-32.20	-1,573.71	472.67	1,129.03	1,062.48	66.55	16.964		
8,800.00	7,068.91	6,627.00	6,514.92	62.65	31.63	-30.80	-1,569.25	462.60	1,214.04	1,147.30	66.74	18.191		
8,900.00	7,069.25	6,627.00	6,514.92	64.97	31.63	-30.80	-1,569.25	462.60	1,300.65	1,233.38	67.27	19.336		
9,000.00	7,069.60	6,627.00	6,514.92	67.34	31.63	-30.80	-1,569.25	462.60	1,389.06	1,321.37	67.69	20.521		
9,100.00	7,069.94	6,594.11	6,485.05	69.74	31.50	-29.00	-1,563.21	450.26	1,477.82	1,410.17	67.65	21.847		
9,200.00	7,070.28	6,583.30	6,475.10	72.18	31.45	-28.43	-1,561.19	446.53	1,568.09	1,500.24	67.85	23.110		
9,300.00	7,070.63	6,573.39	6,465.93	74.65	31.41	-27.91	-1,559.33	443.26	1,659.27	1,591.23	68.04	24.388		
9,400.00	7,070.97	6,564.27	6,457.46	77.15	31.38	-27.44	-1,557.60	440.37	1,751.24	1,683.04	68.20	25.677		
9,500.00	7,071.32	6,533.00	6,428.13	79.67	31.25	-25.90	-1,551.61	431.36	1,844.42	1,776.26	68.15	27.063		
9,600.00	7,071.66	6,533.00	6,428.13	82.22	31.25	-25.90	-1,551.61	431.36	1,937.39	1,869.02	68.36	28.340		
9,700.00	7,072.00	6,533.00	6,428.13	84.78	31.25	-25.90	-1,551.61	431.36	2,031.02	1,962.48	68.54	29.632		
9,800.00	7,072.35	6,533.00	6,428.13	87.37	31.25	-25.90	-1,551.61	431.36	2,125.24	2,056.55	68.69	30.938		
9,900.00	7,072.69	6,533.00	6,428.13	89.97	31.25	-25.90	-1,551.61	431.36	2,219.96	2,151.14	68.83	32.254		
10,000.00	7,073.03	6,533.00	6,428.13	92.59	31.25	-25.90	-1,551.61	431.36	2,315.13	2,246.19	68.95	33.579		
10,100.00	7,073.38	6,533.00	6,428.13	95.22	31.25	-25.90	-1,551.61	431.36	2,410.69	2,341.64	69.05	34.913		
10,200.00	7,073.72	6,533.00	6,428.13	97.86	31.25	-25.90	-1,551.61	431.36	2,506.59	2,437.45	69.14	36.253		
10,300.00	7,074.07	6,533.00	6,428.13	100.52	31.25	-25.90	-1,551.61	431.36	2,602.81	2,533.58	69.22	37.599		
10,400.00	7,074.41	6,533.00	6,428.13	103.19	31.25	-25.90	-1,551.61	431.36	2,699.30	2,630.00	69.30	38.951		
10,500.00	7,074.75	6,533.00	6,428.13	105.87	31.25	-25.90	-1,551.61	431.36	2,796.03	2,726.66	69.37	40.306		
10,600.00	7,075.10	6,533.00	6,428.13	108.55	31.25	-25.90	-1,551.61	431.36	2,892.99	2,823.56	69.43	41.666		
10,700.00	7,075.44	6,533.00	6,428.13	111.25	31.25	-25.90	-1,551.61	431.36	2,990.15	2,920.65	69.49	43.028		
10,800.00	7,075.78	6,494.02	6,390.95	113.96	31.07	-24.09	-1,544.19	422.34	3,085.85	3,016.44	69.42	44.454		
10,900.00	7,076.13	6,491.17	6,388.20	116.67	31.06	-23.97	-1,543.65	421.78	3,183.12	3,113.65	69.47	45.822		
11,000.00	7,076.47	6,488.46	6,385.59	119.39	31.05	-23.85	-1,543.15	421.27	3,280.53	3,211.01	69.51	47.192		
11,100.00	7,076.81	6,485.89	6,383.11	122.11	31.03	-23.73	-1,542.67	420.79	3,378.08	3,308.52	69.56	48.563		
11,200.00	7,077.16	6,483.44	6,380.75	124.85	31.02	-23.63	-1,542.21	420.35	3,475.76	3,406.15	69.61	49.934		
11,300.00	7,077.50	6,481.11	6,378.49	127.58	31.01	-23.53	-1,541.78	419.94	3,573.55	3,503.90	69.65	51.306		
11,400.00	7,077.85	6,440.00	6,338.47	130.33	30.83	-21.83	-1,534.29	414.31	3,673.04	3,603.45	69.59	52.780		
11,500.00	7,078.19	6,440.00	6,338.47	133.08	30.83	-21.83	-1,534.29	414.31	3,770.87	3,701.22	69.64	54.144		
11,600.00	7,078.53	6,440.00	6,338.47	135.83	30.83	-21.83	-1,534.29	414.31	3,868.81	3,799.11	69.70	55.510		
11,700.00	7,078.88	6,440.00	6,338.47	138.59	30.83	-21.83	-1,534.29	414.31	3,966.85	3,897.10	69.75	56.876		
11,800.00	7,079.22	6,440.00	6,338.47	141.35	30.83	-21.83	-1,534.29	414.31	4,064.99	3,995.19	69.80	58.242		
11,900.00	7,079.56	6,440.00	6,338.47	144.11	30.83	-21.83	-1,534.29	414.31	4,163.21	4,093.37	69.84	59.608		
12,000.00	7,079.91	6,440.00	6,338.47	146.88	30.83	-21.83	-1,534.29	414.31	4,261.52	4,191.63	69.89	60.973		
12,100.00	7,080.25	6,440.00	6,338.47	149.66	30.83	-21.83	-1,534.29	414.31	4,359.91	4,289.97	69.94	62.338		
12,200.00	7,080.60	6,440.00	6,338.47	152.43	30.83	-21.83	-1,534.29	414.31	4,458.37	4,388.38	69.99	63.703		
12,300.00	7,080.94	6,440.00	6,338.47	155.21	30.83	-21.83	-1,534.29	414.31	4,556.89	4,486.86	70.03	65.067		
12,400.00	7,081.28	6,440.00	6,338.47	157.99	30.83	-21.83	-1,534.29	414.31	4,655.48	4,585.40	70.08	66.430		
12,500.00	7,081.63	6,440.00	6,338.47	160.78	30.83	-21.83	-1,534.29	414.31	4,754.12	4,684.00	70.13	67.792		
12,600.00	7,081.97	6,440.00	6,338.47	163.57	30.83	-21.83	-1,534.29	414.31	4,852.83	4,782.65	70.18	69.152		
12,700.00	7,082.31	6,440.00	6,338.47	166.36	30.83	-21.83	-1,534.29	414.31	4,951.58	4,881.36	70.22	70.511		
12,800.00	7,082.66	6,440.00	6,338.47	169.15	30.83	-21.83	-1,534.29	414.31	5,050.38	4,980.11	70.27	71.869		
12,900.00	7,083.00	6,440.00	6,338.47	171.94	30.83	-21.83	-1,534.29	414.31	5,149.23	5,078.91	70.32	73.226		
13,000.00	7,083.35	6,440.00	6,338.47	174.74	30.83	-21.83	-1,534.29	414.31	5,248.13	5,177.76	70.37	74.580		
13,100.00	7,083.69	6,440.00	6,338.47	177.54	30.83	-21.83	-1,534.29	414.31	5,347.06	5,276.64	70.42	75.933		
13,200.00	7,084.03	6,440.00	6,338.47	180.34	30.83	-21.83	-1,534.29	414.31	5,446.03	5,375.57	70.47	77.284		
13,300.00	7,084.38	6,440.00	6,338.47	183.14	30.83	-21.83	-1,534.29	414.31	5,545.04	5,474.53	70.52	78.633		
13,400.00	7,084.72	6,440.00	6,338.47	185.95	30.83	-21.83	-1,534.29	414.31	5,644.09	5,573.52	70.57	79.980		
13,500.00	7,085.06	6,440.00	6,338.47	188.76	30.83	-21.83	-1,534.29	414.31	5,743.17	5,672.55	70.62	81.325		
13,600.00	7,085.41	6,440.00	6,338.47	191.56	30.83	-21.83	-1,534.29	414.31	5,842.28	5,771.60	70.67	82.667		
13,700.00	7,085.75	6,440.00	6,338.47	194.37	30.83	-21.83	-1,534.29	414.31	5,941.41	5,870.69	70.72	84.007		
13,800.00	7,086.09	6,440.00	6,338.47	197.18	30.83	-21.83	-1,534.29	414.31	6,040.58	5,969.80	70.78	85.345		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,440.00	6,338.47	200.00	30.83	-21.83	-1,534.29	414.31	6,139.78	6,068.95	70.83	86.681		
14,000.00	7,086.78	6,440.00	6,338.47	202.81	30.83	-21.83	-1,534.29	414.31	6,239.00	6,168.11	70.89	88.014		
14,100.00	7,087.13	6,440.00	6,338.47	205.63	30.83	-21.83	-1,534.29	414.31	6,338.24	6,267.30	70.94	89.344		
14,200.00	7,087.47	6,440.00	6,338.47	208.44	30.83	-21.83	-1,534.29	414.31	6,437.51	6,366.51	71.00	90.672		
14,300.00	7,087.81	6,440.00	6,338.47	211.26	30.83	-21.83	-1,534.29	414.31	6,536.80	6,465.75	71.05	91.997		
14,400.00	7,088.16	6,440.00	6,338.47	214.08	30.83	-21.83	-1,534.29	414.31	6,636.11	6,565.00	71.11	93.319		
14,500.00	7,088.50	6,440.00	6,338.47	216.90	30.83	-21.83	-1,534.29	414.31	6,735.45	6,664.27	71.17	94.638		
14,600.00	7,088.84	6,440.00	6,338.47	219.72	30.83	-21.83	-1,534.29	414.31	6,834.80	6,763.57	71.23	95.955		
14,700.00	7,089.19	6,440.00	6,338.47	222.54	30.83	-21.83	-1,534.29	414.31	6,934.17	6,862.88	71.29	97.268		
14,800.00	7,089.53	6,440.00	6,338.47	225.37	30.83	-21.83	-1,534.29	414.31	7,033.56	6,962.21	71.35	98.579		
14,900.00	7,089.88	6,440.00	6,338.47	228.19	30.83	-21.83	-1,534.29	414.31	7,132.96	7,061.55	71.41	99.886		
15,000.00	7,090.22	6,440.00	6,338.47	231.02	30.83	-21.83	-1,534.29	414.31	7,232.38	7,160.91	71.47	101.191		
15,100.00	7,090.56	6,440.00	6,338.47	233.84	30.83	-21.83	-1,534.29	414.31	7,331.82	7,260.28	71.54	102.492		
15,200.00	7,090.91	6,440.00	6,338.47	236.67	30.83	-21.83	-1,534.29	414.31	7,431.27	7,359.67	71.60	103.790		
15,227.29	7,091.00	6,440.00	6,338.47	237.44	30.83	-21.83	-1,534.29	414.31	7,458.42	7,386.80	71.62	104.144		
15,300.00	7,091.25	6,440.00	6,338.47	239.49	30.83	-33.62	-1,534.29	414.31	7,530.70	7,459.03	71.66	105.085		
15,326.57	7,091.35	6,440.00	6,338.47	240.24	30.83	-37.31	-1,534.29	414.31	7,557.09	7,485.41	71.68	105.428		
15,400.00	7,091.60	6,440.00	6,338.47	242.30	30.83	-37.31	-1,534.29	414.31	7,630.00	7,558.27	71.73	106.375		
15,500.00	7,091.96	6,440.00	6,338.47	245.12	30.83	-37.31	-1,534.29	414.31	7,729.31	7,657.52	71.79	107.661		
15,600.00	7,092.31	6,440.00	6,338.47	247.93	30.83	-37.31	-1,534.29	414.31	7,828.64	7,756.78	71.86	108.944		
15,700.00	7,092.66	6,440.00	6,338.47	250.75	30.83	-37.31	-1,534.29	414.31	7,927.98	7,856.06	71.93	110.224		
15,800.00	7,093.01	6,440.00	6,338.47	253.56	30.83	-37.31	-1,534.29	414.31	8,027.35	7,955.35	71.99	111.500		
15,900.00	7,093.36	6,440.00	6,338.47	256.38	30.83	-37.31	-1,534.29	414.31	8,126.72	8,054.66	72.06	112.773		
16,000.00	7,093.71	6,440.00	6,338.47	259.20	30.83	-37.31	-1,534.29	414.31	8,226.12	8,153.98	72.13	114.042		
16,100.00	7,094.07	6,440.00	6,338.47	262.02	30.83	-37.31	-1,534.29	414.31	8,325.52	8,253.32	72.20	115.308		
16,200.00	7,094.42	6,440.00	6,338.47	264.84	30.83	-37.31	-1,534.29	414.31	8,424.95	8,352.67	72.27	116.570		
16,300.00	7,094.77	6,440.00	6,338.47	267.65	30.83	-37.31	-1,534.29	414.31	8,524.38	8,452.04	72.35	117.829		
16,400.00	7,095.12	6,440.00	6,338.47	270.47	30.83	-37.31	-1,534.29	414.31	8,623.83	8,551.41	72.42	119.084		
16,500.00	7,095.47	6,440.00	6,338.47	273.30	30.83	-37.31	-1,534.29	414.31	8,723.29	8,650.80	72.49	120.336		
16,600.00	7,095.82	6,440.00	6,338.47	276.12	30.83	-37.31	-1,534.29	414.31	8,822.76	8,750.20	72.57	121.583		
16,700.00	7,096.18	6,440.00	6,338.47	278.94	30.83	-37.31	-1,534.29	414.31	8,922.25	8,849.61	72.64	122.828		
16,800.00	7,096.53	6,440.00	6,338.47	281.76	30.83	-37.31	-1,534.29	414.31	9,021.74	8,949.03	72.72	124.068		
16,900.00	7,096.88	6,440.00	6,338.47	284.58	30.83	-37.31	-1,534.29	414.31	9,121.25	9,048.46	72.79	125.305		
17,000.00	7,097.23	6,440.00	6,338.47	287.41	30.83	-37.31	-1,534.29	414.31	9,220.77	9,147.90	72.87	126.538		
17,100.00	7,097.58	6,440.00	6,338.47	290.23	30.83	-37.31	-1,534.29	414.31	9,320.30	9,247.35	72.95	127.767		
17,200.00	7,097.93	6,440.00	6,338.47	293.06	30.83	-37.31	-1,534.29	414.31	9,419.83	9,346.81	73.03	128.993		
17,300.00	7,098.29	6,440.00	6,338.47	295.88	30.83	-37.31	-1,534.29	414.31	9,519.38	9,446.28	73.11	130.214		
17,400.00	7,098.64	6,440.00	6,338.47	298.71	30.83	-37.31	-1,534.29	414.31	9,618.94	9,545.75	73.19	131.432		
17,500.00	7,098.99	6,440.00	6,338.47	301.53	30.83	-37.31	-1,534.29	414.31	9,718.50	9,645.24	73.27	132.646		
17,600.00	7,099.34	6,440.00	6,338.47	304.36	30.83	-37.31	-1,534.29	414.31	9,818.08	9,744.73	73.35	133.856		
17,700.00	7,099.69	6,440.00	6,338.47	307.19	30.83	-37.31	-1,534.29	414.31	9,917.66	9,844.23	73.43	135.062		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	141.55	-637.89	506.43	814.55					
100.00	100.00	94.85	94.85	3.28	3.29	141.55	-637.60	506.24	814.16	807.59	6.57	123.892		
200.00	200.00	201.41	201.40	3.34	3.31	141.54	-636.60	505.59	813.04	806.39	6.65	122.302		
300.00	299.98	310.19	310.16	3.44	3.38	8.53	-634.52	504.68	809.31	802.48	6.83	118.577		
400.00	399.84	424.75	424.60	3.59	3.54	8.41	-629.54	504.55	800.67	793.53	7.14	112.061		
500.00	499.45	527.79	527.48	3.80	3.73	8.31	-623.68	503.99	787.29	779.75	7.54	104.389		
600.00	598.70	609.41	609.03	4.04	3.91	8.40	-620.70	502.64	771.40	763.44	7.95	96.980		
700.00	697.47	693.80	693.38	4.32	4.12	8.73	-620.53	500.41	754.14	745.70	8.43	89.406		
800.00	795.62	778.07	777.49	4.65	4.34	9.38	-623.66	496.44	735.29	726.33	8.97	81.998		
900.00	893.06	868.83	867.71	5.02	4.61	10.52	-630.76	489.62	714.76	705.19	9.57	74.714		
993.00	982.91	954.65	952.61	5.39	4.87	11.99	-639.57	480.87	693.33	683.16	10.17	68.159		
1,000.00	989.65	960.95	958.83	5.42	4.89	12.11	-640.31	480.14	691.65	681.43	10.22	67.652		
1,100.00	1,085.84	1,050.30	1,046.68	5.86	5.20	13.96	-651.88	468.66	668.38	657.48	10.90	61.303		
1,200.00	1,182.03	1,139.40	1,134.01	6.32	5.52	16.04	-664.73	456.49	646.75	635.13	11.62	55.635		
1,300.00	1,278.22	1,229.29	1,221.88	6.79	5.87	18.35	-678.73	443.77	626.91	614.53	12.38	50.629		
1,400.00	1,374.42	1,323.60	1,313.85	7.28	6.25	20.99	-694.22	429.81	608.76	595.57	13.19	46.152		
1,500.00	1,470.61	1,422.42	1,410.12	7.79	6.67	23.98	-710.19	414.21	591.45	577.41	14.04	42.115		
1,600.00	1,566.80	1,522.98	1,508.23	8.30	7.11	27.16	-725.48	398.30	574.95	560.02	14.93	38.514		
1,700.00	1,663.00	1,623.76	1,606.97	8.82	7.55	30.38	-738.96	383.26	558.77	542.94	15.83	35.297		
1,800.00	1,759.19	1,719.80	1,701.55	9.34	7.97	33.36	-750.38	371.17	543.46	526.74	16.73	32.494		
1,900.00	1,855.38	1,814.26	1,795.01	9.87	8.38	36.09	-760.96	362.48	529.69	512.07	17.62	30.065		
2,000.00	1,951.58	1,911.08	1,891.11	10.41	8.79	38.66	-771.23	356.83	517.15	498.63	18.52	27.919		
2,100.00	2,047.77	2,027.88	2,007.23	10.95	9.28	41.89	-781.73	350.06	504.30	484.80	19.50	25.868		
2,200.00	2,143.96	2,125.66	2,104.59	11.49	9.70	44.84	-787.71	343.31	489.71	469.28	20.43	23.967		
2,300.00	2,240.16	2,221.31	2,199.91	12.04	10.10	47.77	-793.54	337.77	476.47	455.10	21.38	22.290		
2,400.00	2,336.35	2,316.20	2,294.49	12.58	10.50	50.72	-799.44	333.08	464.69	442.36	22.33	20.810		
2,500.00	2,432.54	2,432.91	2,411.01	13.13	10.99	54.43	-803.86	328.42	451.79	428.47	23.32	19.370		
2,600.00	2,528.74	2,528.05	2,506.09	13.69	11.38	57.54	-805.90	325.67	438.67	414.37	24.30	18.052		
2,700.00	2,624.93	2,625.28	2,603.26	14.24	11.79	60.86	-807.96	323.04	426.94	401.65	25.29	16.882		
2,800.00	2,721.12	2,722.89	2,700.82	14.80	12.19	64.39	-809.55	320.35	416.33	390.03	26.29	15.834		
2,900.00	2,817.32	2,821.36	2,799.24	15.35	12.60	68.15	-810.91	317.39	407.29	379.99	27.31	14.915		
3,000.00	2,913.51	2,923.89	2,901.75	15.91	13.02	72.11	-810.98	315.84	398.34	370.02	28.32	14.066		
3,100.00	3,009.70	3,018.51	2,996.37	16.47	13.41	75.88	-810.80	314.76	390.89	361.55	29.34	13.324		
3,200.00	3,105.90	3,113.41	3,091.26	17.03	13.80	79.79	-810.91	313.33	385.80	355.44	30.35	12.710		
3,300.00	3,202.09	3,209.45	3,187.28	17.59	14.20	83.82	-811.03	311.95	382.71	351.34	31.37	12.201		
3,396.14	3,294.57	3,301.62	3,279.45	18.13	14.58	87.73	-811.18	310.52	381.78	349.45	32.33	11.809 CC		
3,400.00	3,298.28	3,305.36	3,283.18	18.15	14.60	87.89	-811.18	310.46	381.78	349.41	32.37	11.795		
3,500.00	3,394.48	3,402.99	3,380.80	18.72	15.00	92.05	-811.11	309.05	382.74	349.38	33.35	11.475 ES		
3,600.00	3,490.67	3,500.49	3,478.30	19.28	15.40	96.21	-810.45	307.82	385.28	350.96	34.32	11.226		
3,700.00	3,586.86	3,597.04	3,574.83	19.84	15.80	100.29	-809.42	306.63	389.67	354.41	35.26	11.052		
3,800.00	3,683.06	3,692.15	3,669.93	20.41	16.19	104.20	-808.48	305.61	396.04	359.87	36.17	10.949		
3,900.00	3,779.25	3,789.21	3,766.98	20.97	16.59	108.02	-807.75	304.54	404.49	367.42	37.07	10.912		
4,000.00	3,875.44	3,895.31	3,873.07	21.54	17.01	111.87	-807.37	303.08	413.50	375.52	37.98	10.887		
4,100.00	3,971.64	3,992.11	3,969.84	22.11	17.39	115.14	-806.91	301.48	422.25	383.42	38.83	10.874		
4,200.00	4,067.83	4,086.74	4,064.46	22.67	17.75	118.21	-806.60	309.32	432.92	393.26	39.66	10.917		
4,300.00	4,164.02	4,181.55	4,159.26	23.24	18.12	121.12	-806.57	310.87	445.23	404.76	40.47	11.001		
4,400.00	4,260.22	4,275.27	4,252.97	23.81	18.49	123.79	-807.03	312.08	459.16	417.88	41.27	11.124		
4,500.00	4,356.41	4,370.05	4,347.74	24.37	18.87	126.33	-807.68	312.80	474.65	432.57	42.08	11.279		
4,600.00	4,452.60	4,465.40	4,443.08	24.94	19.26	128.68	-808.84	313.35	491.30	448.40	42.89	11.454		
4,700.00	4,548.79	4,560.96	4,538.62	25.51	19.65	130.84	-810.33	313.72	508.95	465.24	43.71	11.643		
4,800.00	4,644.99	4,657.49	4,635.14	26.08	20.05	132.89	-811.79	314.00	527.41	482.87	44.54	11.841		
4,900.00	4,741.18	4,755.55	4,733.18	26.65	20.46	134.78	-813.70	314.41	546.36	500.98	45.38	12.039		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,846.08	4,823.68	27.21	20.84	136.33	-816.31	314.56	566.11	519.94	46.16	12.263		
5,100.00	4,933.57	4,937.14	4,914.70	27.78	21.23	137.82	-818.67	313.64	587.42	540.47	46.95	12.512		
5,200.00	5,029.76	5,031.75	5,009.28	28.35	21.64	139.31	-820.59	312.11	609.75	561.98	47.77	12.764		
5,300.00	5,125.95	5,128.96	5,106.46	28.92	22.05	140.76	-822.20	310.55	632.49	583.87	48.62	13.008		
5,400.00	5,222.15	5,227.76	5,205.25	29.49	22.47	142.23	-822.84	309.37	655.31	605.82	49.49	13.243		
5,500.00	5,318.34	5,319.81	5,297.29	30.06	22.85	143.70	-821.26	308.55	678.52	628.27	50.25	13.503		
5,600.00	5,414.53	5,413.09	5,390.52	30.63	23.24	145.16	-818.73	307.32	702.72	651.69	51.02	13.772		
5,700.00	5,510.73	5,501.49	5,478.88	31.20	23.61	146.45	-816.32	305.69	727.85	676.11	51.74	14.066		
5,800.00	5,606.92	5,602.71	5,580.05	31.77	24.04	147.74	-814.73	303.19	753.75	701.11	52.64	14.320		
5,900.00	5,703.11	5,708.11	5,685.42	32.34	24.49	148.83	-815.50	301.44	778.68	725.08	53.60	14.528		
6,000.00	5,799.31	5,809.36	5,786.66	32.91	24.92	149.74	-817.23	300.49	802.91	748.40	54.51	14.728		
6,100.00	5,895.50	5,893.95	5,871.24	33.48	25.28	150.54	-817.45	299.64	827.73	772.50	55.23	14.987		
6,200.00	5,991.69	5,992.78	5,970.06	34.05	25.70	151.53	-816.19	298.42	853.34	797.23	56.10	15.211		
6,300.00	6,087.89	6,093.48	6,070.75	34.62	26.12	152.44	-815.54	297.59	878.61	821.62	57.00	15.415		
6,400.00	6,184.08	6,189.18	6,166.45	35.19	26.53	153.25	-815.15	296.99	903.83	845.98	57.84	15.625		
6,500.00	6,280.27	7,752.60	7,146.36	35.77	37.55	-154.70	-811.72	1,172.10	923.53	891.92	31.61	29.216		
6,535.30	6,314.23	7,758.04	7,146.43	35.97	37.64	-154.11	-811.75	1,177.55	893.57	860.78	32.79	27.249		
6,550.00	6,328.40	7,760.21	7,146.46	36.05	37.67	-155.33	-811.76	1,179.72	881.17	847.86	33.31	26.456		
6,600.00	6,377.01	7,765.90	7,146.55	36.31	37.76	-163.10	-811.79	1,185.40	839.09	803.94	35.15	23.871		
6,650.00	6,426.00	7,768.81	7,146.60	36.54	37.81	-177.04	-811.80	1,188.32	797.47	760.33	37.15	21.469		
6,700.00	6,475.08	7,768.82	7,146.60	36.73	37.81	166.42	-811.80	1,188.33	756.71	717.42	39.30	19.256		
6,750.00	6,523.94	7,765.79	7,146.54	36.90	37.76	153.17	-811.79	1,185.30	717.24	675.62	41.61	17.236		
6,800.00	6,572.28	7,759.61	7,146.45	37.05	37.66	144.74	-811.76	1,179.12	679.47	635.38	44.09	15.412		
6,850.00	6,619.81	7,750.17	7,146.33	37.19	37.51	139.58	-811.71	1,169.68	643.85	597.15	46.70	13.786		
6,900.00	6,666.23	7,737.39	7,146.23	37.32	37.30	136.19	-811.63	1,156.90	610.81	561.38	49.43	12.357		
6,950.00	6,711.25	7,721.22	7,146.21	37.46	37.03	133.62	-811.51	1,140.73	580.75	528.53	52.22	11.121		
7,000.00	6,754.60	7,701.90	7,146.31	37.61	36.72	131.40	-811.33	1,121.41	554.01	499.02	55.00	10.074		
7,050.00	6,796.01	7,670.04	7,146.47	37.77	36.25	128.36	-811.04	1,089.55	530.65	473.03	57.62	9.210		
7,100.00	6,835.22	7,635.38	7,146.27	37.94	35.73	125.33	-810.81	1,054.89	510.49	450.43	60.06	8.499		
7,150.00	6,871.99	7,597.88	7,145.60	38.12	35.19	122.22	-810.64	1,017.40	493.51	431.23	62.28	7.924		
7,200.00	6,906.10	7,557.80	7,143.89	38.34	34.65	118.97	-810.32	977.36	479.51	415.25	64.26	7.462		
7,250.00	6,937.34	7,517.74	7,140.95	38.57	34.11	115.76	-809.76	937.41	468.37	402.39	65.98	7.099		
7,300.00	6,965.51	7,471.98	7,136.23	38.84	33.57	112.14	-809.02	891.90	459.80	392.42	67.39	6.823		
7,350.00	6,990.44	7,426.00	7,130.17	39.14	33.01	108.63	-808.55	846.33	453.28	384.82	68.46	6.621		
7,400.00	7,011.97	7,376.25	7,121.32	39.47	32.51	104.90	-808.15	797.39	448.40	379.10	69.30	6.471		
7,450.00	7,029.98	7,332.37	7,109.66	39.85	32.05	101.48	-807.46	755.11	444.97	374.99	69.98	6.359		
7,500.00	7,044.34	7,279.04	7,090.97	40.26	31.61	97.21	-806.55	705.19	442.88	372.52	70.36	6.295		
7,550.00	7,054.99	7,229.06	7,069.68	40.72	31.19	93.19	-806.49	659.98	441.53	371.04	70.49	6.264		
7,600.00	7,061.83	7,181.02	7,045.79	41.21	30.86	89.31	-807.19	618.33	440.91	370.43	70.48	6.256 SF		
7,618.77	7,063.42	7,163.77	7,036.40	41.40	30.75	87.91	-807.64	603.87	440.86	370.43	70.43	6.259		
7,650.00	7,064.85	7,135.93	7,020.36	41.73	30.56	85.66	-808.56	581.14	441.00	370.69	70.31	6.272		
7,661.89	7,065.00	7,127.06	7,015.03	41.86	30.51	84.93	-808.91	574.05	441.14	370.82	70.31	6.274		
7,700.00	7,065.13	7,102.20	6,999.67	42.28	30.37	82.93	-809.75	554.52	442.50	372.10	70.41	6.285		
7,800.00	7,065.47	7,042.42	6,960.34	43.53	30.05	77.88	-810.95	509.53	454.13	383.65	70.47	6.444		
7,900.00	7,065.82	6,988.88	6,922.18	44.94	29.80	73.16	-811.25	472.01	477.95	407.62	70.33	6.796		
8,000.00	7,066.16	6,941.00	6,885.60	46.50	29.59	68.85	-811.19	441.13	513.80	443.77	70.03	7.336		
8,100.00	7,066.50	6,903.47	6,855.31	48.19	29.44	65.46	-811.17	418.98	560.59	490.65	69.94	8.015		
8,200.00	7,066.85	6,870.64	6,827.63	50.00	29.31	62.50	-811.39	401.34	616.83	546.98	69.85	8.831		
8,300.00	7,067.19	6,842.09	6,802.75	51.91	29.20	59.96	-811.76	387.35	680.89	611.11	69.79	9.757		
8,400.00	7,067.54	6,807.26	6,771.83	53.92	29.06	56.95	-812.42	371.32	750.83	681.38	69.44	10.812		
8,500.00	7,067.88	6,775.47	6,743.30	56.01	28.94	54.33	-813.21	357.34	825.17	755.97	69.20	11.925		
8,600.00	7,068.22	6,753.00	6,722.95	58.16	28.85	52.55	-813.88	347.83	903.06	833.87	69.19	13.052		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,753.00	6,722.95	60.38	28.85	52.55	-813.88	347.83	984.60	914.97	69.62	14.142		
8,800.00	7,068.91	6,723.15	6,695.47	62.65	28.74	50.27	-814.65	336.21	1,067.98	998.62	69.37	15.396		
8,900.00	7,069.25	6,712.19	6,685.21	64.97	28.69	49.46	-814.83	332.35	1,154.04	1,084.59	69.45	16.617		
9,000.00	7,069.60	6,702.38	6,675.97	67.34	28.66	48.75	-814.95	329.08	1,241.90	1,172.39	69.50	17.868		
9,100.00	7,069.94	6,693.57	6,667.60	69.74	28.62	48.13	-815.03	326.29	1,331.25	1,261.71	69.54	19.143		
9,200.00	7,070.28	6,659.00	6,634.39	72.18	28.49	45.77	-815.00	316.75	1,422.79	1,353.52	69.27	20.541		
9,300.00	7,070.63	6,659.00	6,634.39	74.65	28.49	45.77	-815.00	316.75	1,513.96	1,444.58	69.39	21.819		
9,400.00	7,070.97	6,659.00	6,634.39	77.15	28.49	45.77	-815.00	316.75	1,606.19	1,536.72	69.47	23.121		
9,500.00	7,071.32	6,659.00	6,634.39	79.67	28.49	45.77	-815.00	316.75	1,699.29	1,629.77	69.52	24.442		
9,600.00	7,071.66	6,659.00	6,634.39	82.22	28.49	45.77	-815.00	316.75	1,793.14	1,723.58	69.56	25.779		
9,700.00	7,072.00	6,659.00	6,634.39	84.78	28.49	45.77	-815.00	316.75	1,887.62	1,818.04	69.58	27.130		
9,800.00	7,072.35	6,659.00	6,634.39	87.37	28.49	45.77	-815.00	316.75	1,982.64	1,913.06	69.59	28.492		
9,900.00	7,072.69	6,659.00	6,634.39	89.97	28.49	45.77	-815.00	316.75	2,078.13	2,008.54	69.59	29.863		
10,000.00	7,073.03	6,659.00	6,634.39	92.59	28.49	45.77	-815.00	316.75	2,174.03	2,104.44	69.58	31.243		
10,100.00	7,073.38	6,659.00	6,634.39	95.22	28.49	45.77	-815.00	316.75	2,270.27	2,200.70	69.58	32.630		
10,200.00	7,073.72	6,625.25	6,601.48	97.86	28.35	43.63	-814.69	309.27	2,365.85	2,296.40	69.45	34.068		
10,300.00	7,074.07	6,620.60	6,596.92	100.52	28.34	43.34	-814.64	308.36	2,462.40	2,392.97	69.43	35.466		
10,400.00	7,074.41	6,616.23	6,592.63	103.19	28.32	43.08	-814.60	307.52	2,559.19	2,489.77	69.42	36.867		
10,500.00	7,074.75	6,612.10	6,588.58	105.87	28.30	42.83	-814.55	306.76	2,656.18	2,586.78	69.41	38.271		
10,600.00	7,075.10	6,608.21	6,584.75	108.55	28.29	42.60	-814.51	306.06	2,753.37	2,683.97	69.39	39.677		
10,700.00	7,075.44	6,604.53	6,581.13	111.25	28.27	42.39	-814.47	305.41	2,850.72	2,781.34	69.39	41.085		
10,800.00	7,075.78	6,601.05	6,577.70	113.96	28.26	42.18	-814.43	304.82	2,948.23	2,878.85	69.38	42.494		
10,900.00	7,076.13	6,564.00	6,541.04	116.67	28.11	40.11	-813.97	299.47	3,046.82	2,977.53	69.30	43.967		
11,000.00	7,076.47	6,564.00	6,541.04	119.39	28.11	40.11	-813.97	299.47	3,144.44	3,075.13	69.31	45.370		
11,100.00	7,076.81	6,564.00	6,541.04	122.11	28.11	40.11	-813.97	299.47	3,242.20	3,172.89	69.32	46.774		
11,200.00	7,077.16	6,564.00	6,541.04	124.85	28.11	40.11	-813.97	299.47	3,340.09	3,270.77	69.33	48.180		
11,300.00	7,077.50	6,564.00	6,541.04	127.58	28.11	40.11	-813.97	299.47	3,438.11	3,368.77	69.34	49.587		
11,400.00	7,077.85	6,564.00	6,541.04	130.33	28.11	40.11	-813.97	299.47	3,536.24	3,466.89	69.35	50.994		
11,500.00	7,078.19	6,564.00	6,541.04	133.08	28.11	40.11	-813.97	299.47	3,634.46	3,565.11	69.36	52.402		
11,600.00	7,078.53	6,564.00	6,541.04	135.83	28.11	40.11	-813.97	299.47	3,732.79	3,663.42	69.37	53.811		
11,700.00	7,078.88	6,564.00	6,541.04	138.59	28.11	40.11	-813.97	299.47	3,831.19	3,761.81	69.38	55.219		
11,800.00	7,079.22	6,564.00	6,541.04	141.35	28.11	40.11	-813.97	299.47	3,929.68	3,860.29	69.40	56.628		
11,900.00	7,079.56	6,564.00	6,541.04	144.11	28.11	40.11	-813.97	299.47	4,028.25	3,958.84	69.41	58.036		
12,000.00	7,079.91	6,564.00	6,541.04	146.88	28.11	40.11	-813.97	299.47	4,126.88	4,057.45	69.43	59.443		
12,100.00	7,080.25	6,564.00	6,541.04	149.66	28.11	40.11	-813.97	299.47	4,225.58	4,156.13	69.44	60.850		
12,200.00	7,080.60	6,564.00	6,541.04	152.43	28.11	40.11	-813.97	299.47	4,324.33	4,254.87	69.46	62.255		
12,300.00	7,080.94	6,564.00	6,541.04	155.21	28.11	40.11	-813.97	299.47	4,423.15	4,353.67	69.48	63.660		
12,400.00	7,081.28	6,564.00	6,541.04	157.99	28.11	40.11	-813.97	299.47	4,522.01	4,452.51	69.50	65.064		
12,500.00	7,081.63	6,564.00	6,541.04	160.78	28.11	40.11	-813.97	299.47	4,620.93	4,551.40	69.52	66.466		
12,600.00	7,081.97	6,564.00	6,541.04	163.57	28.11	40.11	-813.97	299.47	4,719.89	4,650.34	69.55	67.867		
12,700.00	7,082.31	6,564.00	6,541.04	166.36	28.11	40.11	-813.97	299.47	4,818.89	4,749.32	69.57	69.266		
12,800.00	7,082.66	6,564.00	6,541.04	169.15	28.11	40.11	-813.97	299.47	4,917.93	4,848.34	69.60	70.664		
12,900.00	7,083.00	6,564.00	6,541.04	171.94	28.11	40.11	-813.97	299.47	5,017.01	4,947.39	69.62	72.060		
13,000.00	7,083.35	6,564.00	6,541.04	174.74	28.11	40.11	-813.97	299.47	5,116.13	5,046.48	69.65	73.454		
13,100.00	7,083.69	6,564.00	6,541.04	177.54	28.11	40.11	-813.97	299.47	5,215.28	5,145.60	69.68	74.846		
13,200.00	7,084.03	6,564.00	6,541.04	180.34	28.11	40.11	-813.97	299.47	5,314.46	5,244.75	69.71	76.236		
13,300.00	7,084.38	6,564.00	6,541.04	183.14	28.11	40.11	-813.97	299.47	5,413.67	5,343.93	69.74	77.624		
13,400.00	7,084.72	6,564.00	6,541.04	185.95	28.11	40.11	-813.97	299.47	5,512.92	5,443.14	69.78	79.010		
13,500.00	7,085.06	6,564.00	6,541.04	188.76	28.11	40.11	-813.97	299.47	5,612.18	5,542.37	69.81	80.393		
13,600.00	7,085.41	6,564.00	6,541.04	191.56	28.11	40.11	-813.97	299.47	5,711.48	5,641.63	69.84	81.774		
13,700.00	7,085.75	6,564.00	6,541.04	194.37	28.11	40.11	-813.97	299.47	5,810.79	5,740.91	69.88	83.153		
13,800.00	7,086.09	6,564.00	6,541.04	197.18	28.11	40.11	-813.97	299.47	5,910.13	5,840.22	69.92	84.529		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 250-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,564.00	6,541.04	200.00	28.11	40.11	-813.97	299.47	6,009.50	5,939.54	69.96	85.903		
14,000.00	7,086.78	6,564.00	6,541.04	202.81	28.11	40.11	-813.97	299.47	6,108.88	6,038.88	70.00	87.274		
14,100.00	7,087.13	6,564.00	6,541.04	205.63	28.11	40.11	-813.97	299.47	6,208.28	6,138.25	70.04	88.642		
14,200.00	7,087.47	6,564.00	6,541.04	208.44	28.11	40.11	-813.97	299.47	6,307.71	6,237.63	70.08	90.008		
14,300.00	7,087.81	6,564.00	6,541.04	211.26	28.11	40.11	-813.97	299.47	6,407.15	6,337.02	70.12	91.371		
14,400.00	7,088.16	6,564.00	6,541.04	214.08	28.11	40.11	-813.97	299.47	6,506.60	6,436.44	70.17	92.731		
14,500.00	7,088.50	6,564.00	6,541.04	216.90	28.11	40.11	-813.97	299.47	6,606.08	6,535.86	70.21	94.088		
14,600.00	7,088.84	6,564.00	6,541.04	219.72	28.11	40.11	-813.97	299.47	6,705.57	6,635.31	70.26	95.442		
14,700.00	7,089.19	6,564.00	6,541.04	222.54	28.11	40.11	-813.97	299.47	6,805.07	6,734.76	70.31	96.793		
14,800.00	7,089.53	6,564.00	6,541.04	225.37	28.11	40.11	-813.97	299.47	6,904.59	6,834.23	70.35	98.140		
14,900.00	7,089.88	6,564.00	6,541.04	228.19	28.11	40.11	-813.97	299.47	7,004.12	6,933.72	70.40	99.485		
15,000.00	7,090.22	6,564.00	6,541.04	231.02	28.11	40.11	-813.97	299.47	7,103.67	7,033.21	70.45	100.827		
15,100.00	7,090.56	6,564.00	6,541.04	233.84	28.11	40.11	-813.97	299.47	7,203.22	7,132.72	70.51	102.165		
15,200.00	7,090.91	6,564.00	6,541.04	236.67	28.11	40.11	-813.97	299.47	7,302.79	7,232.23	70.56	103.500		
15,227.29	7,091.00	6,564.00	6,541.04	237.44	28.11	40.11	-813.97	299.47	7,329.97	7,259.40	70.57	103.864		
15,300.00	7,091.25	6,564.00	6,541.04	239.49	28.11	25.66	-813.97	299.47	7,402.42	7,331.81	70.61	104.830		
15,326.57	7,091.35	6,564.00	6,541.04	240.24	28.11	19.13	-813.97	299.47	7,428.92	7,358.29	70.63	105.182		
15,400.00	7,091.60	6,564.00	6,541.04	242.30	28.11	19.13	-813.97	299.47	7,502.15	7,431.48	70.67	106.153		
15,500.00	7,091.96	6,564.00	6,541.04	245.12	28.11	19.13	-813.97	299.47	7,601.89	7,531.16	70.73	107.472		
15,600.00	7,092.31	6,564.00	6,541.04	247.93	28.11	19.13	-813.97	299.47	7,701.64	7,630.85	70.80	108.788		
15,700.00	7,092.66	6,564.00	6,541.04	250.75	28.11	19.13	-813.97	299.47	7,801.39	7,730.54	70.86	110.100		
15,800.00	7,093.01	6,564.00	6,541.04	253.56	28.11	19.13	-813.97	299.47	7,901.15	7,830.23	70.92	111.409		
15,900.00	7,093.36	6,564.00	6,541.04	256.38	28.11	19.13	-813.97	299.47	8,000.92	7,929.94	70.98	112.714		
16,000.00	7,093.71	6,564.00	6,541.04	259.20	28.11	19.13	-813.97	299.47	8,100.69	8,029.64	71.05	114.015		
16,100.00	7,094.07	6,564.00	6,541.04	262.02	28.11	19.13	-813.97	299.47	8,200.47	8,129.36	71.11	115.313		
16,200.00	7,094.42	6,564.00	6,541.04	264.84	28.11	19.13	-813.97	299.47	8,300.25	8,229.07	71.18	116.607		
16,300.00	7,094.77	6,564.00	6,541.04	267.65	28.11	19.13	-813.97	299.47	8,400.04	8,328.79	71.25	117.898		
16,400.00	7,095.12	6,564.00	6,541.04	270.47	28.11	19.13	-813.97	299.47	8,499.83	8,428.52	71.32	119.185		
16,500.00	7,095.47	6,564.00	6,541.04	273.30	28.11	19.13	-813.97	299.47	8,599.63	8,528.25	71.39	120.468		
16,600.00	7,095.82	6,564.00	6,541.04	276.12	28.11	19.13	-813.97	299.47	8,699.44	8,627.98	71.45	121.747		
16,700.00	7,096.18	6,564.00	6,541.04	278.94	28.11	19.13	-813.97	299.47	8,799.24	8,727.72	71.53	123.023		
16,800.00	7,096.53	6,564.00	6,541.04	281.76	28.11	19.13	-813.97	299.47	8,899.05	8,827.46	71.60	124.295		
16,900.00	7,096.88	6,564.00	6,541.04	284.58	28.11	19.13	-813.97	299.47	8,998.87	8,927.20	71.67	125.563		
17,000.00	7,097.23	6,564.00	6,541.04	287.41	28.11	19.13	-813.97	299.47	9,098.69	9,026.95	71.74	126.827		
17,100.00	7,097.58	6,564.00	6,541.04	290.23	28.11	19.13	-813.97	299.47	9,198.51	9,126.70	71.81	128.087		
17,200.00	7,097.93	6,564.00	6,541.04	293.06	28.11	19.13	-813.97	299.47	9,298.34	9,226.45	71.89	129.344		
17,300.00	7,098.29	6,564.00	6,541.04	295.88	28.11	19.13	-813.97	299.47	9,398.17	9,326.21	71.96	130.596		
17,400.00	7,098.64	6,564.00	6,541.04	298.71	28.11	19.13	-813.97	299.47	9,498.01	9,425.97	72.04	131.844		
17,500.00	7,098.99	6,564.00	6,541.04	301.53	28.11	19.13	-813.97	299.47	9,597.84	9,525.73	72.12	133.089		
17,600.00	7,099.34	6,564.00	6,541.04	304.36	28.11	19.13	-813.97	299.47	9,697.68	9,625.49	72.19	134.330		
17,700.00	7,099.69	6,564.00	6,541.04	307.19	28.11	19.13	-813.97	299.47	9,797.53	9,725.26	72.27	135.566		
17,800.00	7,100.04	6,564.00	6,541.04	310.01	28.11	19.13	-813.97	299.47	9,897.38	9,825.03	72.35	136.799		
17,900.00	7,100.40	6,564.00	6,541.04	312.84	28.11	19.13	-813.97	299.47	9,997.23	9,924.80	72.43	138.027		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	138.75	-577.78	506.71	768.58					
100.00	100.00	90.07	90.07	3.28	3.29	138.73	-577.54	506.89	768.43	761.86	6.57	116.949		
200.00	200.00	191.26	191.25	3.34	3.31	138.65	-576.69	507.53	768.22	761.57	6.64	115.629		
300.00	299.98	292.40	292.38	3.44	3.34	5.53	-575.22	508.63	766.11	759.33	6.78	112.939		
400.00	399.84	407.44	407.38	3.59	3.44	5.41	-572.71	509.65	759.92	752.88	7.04	107.930		
500.00	499.45	535.06	534.87	3.80	3.65	5.39	-567.56	507.13	746.94	739.46	7.47	99.930		
600.00	598.70	655.14	654.53	4.04	3.91	5.29	-558.44	503.10	726.95	718.94	8.00	90.838		
700.00	697.47	758.35	757.18	4.32	4.18	5.18	-548.65	498.97	701.82	693.27	8.54	82.139		
800.00	795.62	866.48	864.62	4.65	4.49	5.04	-537.42	494.25	672.52	663.35	9.17	73.361		
900.00	893.06	978.52	975.48	5.02	4.86	4.71	-522.05	488.92	637.26	627.40	9.86	64.659		
993.00	982.91	1,077.73	1,073.16	5.39	5.20	4.22	-505.53	483.78	599.48	588.98	10.51	57.057		
1,000.00	989.65	1,085.06	1,080.35	5.42	5.23	4.17	-504.20	483.39	596.46	585.89	10.56	56.460		
1,100.00	1,085.84	1,176.04	1,169.61	5.86	5.56	3.43	-487.20	478.69	553.06	541.85	11.21	49.332		
1,200.00	1,182.03	1,263.39	1,255.35	6.32	5.90	2.64	-471.16	474.13	509.93	498.05	11.88	42.939		
1,300.00	1,278.22	1,358.50	1,348.73	6.79	6.27	1.66	-453.86	468.87	466.82	454.23	12.59	37.082		
1,400.00	1,374.42	1,454.68	1,442.77	7.28	6.67	0.24	-434.43	463.51	422.51	409.19	13.32	31.720		
1,500.00	1,470.61	1,551.90	1,537.28	7.79	7.09	-1.86	-412.33	458.01	376.81	362.75	14.06	26.796		
1,600.00	1,566.80	1,639.81	1,622.35	8.30	7.48	-4.49	-390.81	452.75	330.30	315.48	14.82	22.283		
1,700.00	1,663.00	1,722.95	1,702.89	8.82	7.85	-7.78	-370.67	448.37	285.18	269.54	15.63	18.243		
1,800.00	1,759.19	1,806.42	1,784.04	9.34	8.22	-12.13	-351.39	445.15	242.83	226.33	16.50	14.716		
1,900.00	1,855.38	1,893.38	1,868.85	9.87	8.61	-18.20	-332.29	442.85	203.84	186.41	17.43	11.693		
2,000.00	1,951.58	1,982.72	1,956.14	10.41	9.02	-26.66	-313.45	440.35	168.12	149.66	18.46	9.108		
2,100.00	2,047.77	2,073.03	2,044.56	10.95	9.42	-38.56	-295.25	437.57	137.55	117.91	19.64	7.002		
2,200.00	2,143.96	2,162.95	2,132.44	11.49	9.84	-55.38	-276.53	434.14	115.42	94.40	21.01	5.493		
2,283.22	2,224.02	2,236.27	2,203.99	11.94	10.17	-72.32	-260.73	431.56	108.78	86.71	22.07	4.929 CC, ES		
2,300.00	2,240.16	2,250.79	2,218.14	12.04	10.24	-75.80	-257.50	431.10	109.08	86.85	22.23	4.906 SF		
2,400.00	2,336.35	2,338.11	2,303.03	12.58	10.65	-95.51	-237.16	428.75	122.41	99.52	22.88	5.349		
2,500.00	2,432.54	2,430.75	2,393.39	13.13	11.08	-111.12	-216.91	426.44	148.33	124.91	23.42	6.333		
2,600.00	2,528.74	2,519.01	2,479.58	13.69	11.50	-121.72	-198.17	423.55	181.23	157.35	23.89	7.587		
2,700.00	2,624.93	2,604.45	2,562.78	14.24	11.90	-129.09	-178.94	420.32	219.63	195.25	24.37	9.011		
2,800.00	2,721.12	2,697.22	2,653.10	14.80	12.35	-134.85	-158.12	416.55	260.53	235.40	25.13	10.366		
2,900.00	2,817.32	2,782.16	2,735.83	15.35	12.75	-138.60	-139.14	413.71	302.79	277.03	25.76	11.754		
3,000.00	2,913.51	2,874.77	2,825.98	15.91	13.19	-141.52	-118.03	411.60	346.17	319.56	26.61	13.011		
3,100.00	3,009.70	2,951.78	2,900.85	16.47	13.57	-143.55	-100.18	409.08	390.67	363.53	27.14	14.396		
3,200.00	3,105.90	3,042.46	2,988.54	17.03	14.01	-145.60	-77.53	404.80	437.50	409.51	27.99	15.633		
3,300.00	3,202.09	3,146.21	3,089.56	17.59	14.52	-147.59	-54.44	399.75	482.33	453.26	29.08	16.589		
3,400.00	3,298.28	3,228.24	3,169.68	18.15	14.91	-148.87	-37.21	396.20	526.24	496.48	29.77	17.680		
3,500.00	3,394.48	3,331.93	3,270.84	18.72	15.41	-150.21	-14.91	391.80	570.84	540.01	30.83	18.513		
3,600.00	3,490.67	3,434.18	3,371.30	19.28	15.89	-151.46	3.65	387.30	612.65	580.80	31.85	19.237		
3,700.00	3,586.86	3,524.32	3,459.98	19.84	16.31	-152.38	19.41	383.92	653.86	621.18	32.68	20.009		
3,800.00	3,683.06	3,599.85	3,534.12	20.41	16.67	-152.99	33.66	381.57	696.17	662.87	33.30	20.904		
3,900.00	3,779.25	3,682.74	3,615.15	20.97	17.06	-153.56	50.86	378.75	740.23	706.18	34.05	21.742		
4,000.00	3,875.44	3,765.57	3,696.03	21.54	17.46	-154.06	68.48	375.87	784.84	750.04	34.80	22.556		
4,100.00	3,971.64	3,840.69	3,769.11	22.11	17.83	-154.37	85.77	374.07	830.59	795.15	35.43	23.441		
4,200.00	4,067.83	3,909.35	3,835.53	22.67	18.17	-154.58	103.12	372.40	878.23	842.26	35.97	24.414		
4,300.00	4,164.02	3,978.20	3,901.75	23.24	18.52	-154.78	121.80	370.16	927.72	891.20	36.52	25.404		
4,400.00	4,260.22	4,055.05	3,975.34	23.81	18.92	-154.98	143.72	367.12	978.63	941.42	37.21	26.302		
4,500.00	4,356.41	4,152.02	4,068.10	24.37	19.42	-155.16	171.81	363.94	1,029.69	991.46	38.24	26.928		
4,600.00	4,452.60	4,287.23	4,198.54	24.94	20.10	-155.43	207.18	360.37	1,078.32	1,038.49	39.83	27.073		
4,700.00	4,548.79	4,413.07	4,321.64	25.51	20.71	-155.90	232.82	355.73	1,122.11	1,080.93	41.18	27.249		
4,800.00	4,644.99	4,492.95	4,399.86	26.08	21.10	-156.19	248.68	352.42	1,165.97	1,124.06	41.91	27.820		
4,900.00	4,741.18	4,578.31	4,483.34	26.65	21.51	-156.48	266.11	348.87	1,210.34	1,167.62	42.72	28.334		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,666.59	4,569.60	27.21	21.94	-156.72	284.65	345.72	1,254.99	1,211.42	43.57	28.807		
5,100.00	4,933.57	4,764.67	4,665.51	27.78	22.41	-156.96	304.86	342.46	1,299.22	1,254.68	44.54	29.171		
5,200.00	5,029.76	4,853.84	4,752.80	28.35	22.84	-157.22	322.65	338.52	1,343.37	1,297.98	45.39	29.593		
5,300.00	5,125.95	4,952.65	4,849.72	28.92	23.32	-157.60	340.78	332.22	1,386.99	1,340.63	46.36	29.916		
5,400.00	5,222.15	5,025.00	4,920.66	29.49	23.66	-157.87	354.14	327.36	1,430.95	1,383.94	47.01	30.442		
5,500.00	5,318.34	5,090.50	4,984.67	30.06	23.98	-158.07	367.42	323.29	1,476.21	1,428.65	47.56	31.036		
5,600.00	5,414.53	5,159.15	5,051.44	30.63	24.32	-158.22	382.94	319.51	1,523.02	1,474.86	48.17	31.621		
5,700.00	5,510.73	5,372.26	5,259.75	31.20	25.35	-158.48	427.04	314.24	1,567.58	1,517.07	50.52	31.031		
5,800.00	5,606.92	5,508.30	5,394.19	31.77	25.97	-158.70	447.73	312.88	1,606.56	1,554.72	51.84	30.994		
5,900.00	5,703.11	5,587.27	5,472.26	32.34	26.33	-158.78	459.62	313.38	1,644.66	1,592.07	52.58	31.277		
6,000.00	5,799.31	5,710.66	5,594.35	32.91	26.88	-158.93	477.40	313.23	1,682.71	1,628.96	53.75	31.304		
6,100.00	5,895.50	5,905.23	5,788.08	33.48	27.71	-159.29	495.18	314.29	1,715.25	1,659.81	55.45	30.936		
6,200.00	5,991.69	6,031.88	5,914.55	34.05	28.23	-159.60	501.96	314.50	1,745.46	1,688.94	56.53	30.878		
6,300.00	6,087.89	6,143.01	6,025.61	34.62	28.68	-159.92	505.70	313.87	1,774.35	1,716.86	57.49	30.863		
6,400.00	6,184.08	6,268.67	6,151.24	35.19	29.17	-160.31	507.92	312.38	1,802.22	1,743.70	58.53	30.792		
6,500.00	6,280.27	7,778.00	7,050.44	35.77	38.56	-136.86	521.81	1,188.45	1,800.86	1,736.42	64.44	27.947		
6,535.30	6,314.23	7,782.71	7,050.49	35.97	38.64	-136.71	521.77	1,193.16	1,792.34	1,727.10	65.24	27.471		
6,550.00	6,328.40	7,785.41	7,050.51	36.05	38.68	-139.74	521.75	1,195.85	1,788.98	1,723.39	65.59	27.276		
6,600.00	6,377.01	7,792.25	7,050.58	36.31	38.80	-153.76	521.70	1,202.69	1,778.26	1,711.57	66.69	26.664		
6,650.00	6,426.00	7,795.48	7,050.61	36.54	38.85	-173.79	521.68	1,205.93	1,768.79	1,701.10	67.69	26.131		
6,700.00	6,475.08	7,795.13	7,050.61	36.73	38.85	164.06	521.68	1,205.57	1,760.65	1,692.08	68.57	25.676		
6,750.00	6,523.94	7,791.23	7,050.57	36.90	38.78	145.92	521.71	1,201.68	1,753.93	1,684.59	69.34	25.294		
6,800.00	6,572.28	7,783.86	7,050.50	37.05	38.66	133.36	521.76	1,194.30	1,748.64	1,678.65	70.00	24.981		
6,850.00	6,619.81	7,773.78	7,050.40	37.19	38.50	124.89	521.85	1,184.22	1,744.80	1,674.23	70.56	24.726		
6,900.00	6,666.23	7,761.47	7,050.30	37.32	38.31	118.95	521.97	1,171.92	1,742.36	1,671.31	71.05	24.522		
6,950.00	6,711.25	7,746.05	7,050.25	37.46	38.08	114.50	522.14	1,156.50	1,741.29	1,669.84	71.45	24.372		
6,967.26	6,726.41	7,740.01	7,050.24	37.51	37.98	113.20	522.21	1,150.45	1,741.21	1,669.65	71.56	24.331		
7,000.00	6,754.60	7,727.53	7,050.27	37.61	37.79	110.96	522.37	1,137.98	1,741.47	1,669.72	71.75	24.272		
7,050.00	6,796.01	7,705.98	7,050.42	37.77	37.47	107.99	522.69	1,116.43	1,742.80	1,670.84	71.96	24.219		
7,100.00	6,835.22	7,666.77	7,050.90	37.94	36.89	105.03	523.31	1,077.23	1,745.11	1,673.26	71.85	24.288		
7,150.00	6,871.99	7,613.82	7,051.01	38.12	36.19	102.12	523.55	1,024.28	1,747.68	1,676.13	71.55	24.425		
7,200.00	6,906.10	7,576.58	7,050.96	38.34	35.68	99.92	523.44	987.04	1,750.52	1,679.04	71.48	24.489		
7,250.00	6,937.34	7,465.11	7,046.89	38.57	34.44	96.42	521.34	875.74	1,752.93	1,682.53	70.40	24.900		
7,300.00	6,965.51	7,431.54	7,042.92	38.84	34.12	94.82	520.26	842.43	1,754.80	1,684.27	70.53	24.881		
7,350.00	6,990.44	7,398.16	7,037.58	39.14	33.81	93.39	519.34	809.49	1,756.81	1,686.14	70.68	24.856		
7,400.00	7,011.97	7,350.04	7,027.40	39.47	33.41	91.80	518.21	762.49	1,758.86	1,688.17	70.69	24.882		
7,450.00	7,029.98	7,227.53	6,985.62	39.85	32.67	88.76	512.31	647.71	1,759.82	1,689.92	69.90	25.177		
7,500.00	7,044.34	7,183.00	6,964.25	40.26	32.48	87.50	508.67	608.83	1,759.09	1,689.00	70.08	25.100		
7,550.00	7,054.99	7,183.00	6,964.25	40.72	32.48	87.34	508.67	608.83	1,758.74	1,687.92	70.82	24.833		
7,560.76	7,056.78	7,183.00	6,964.25	40.82	32.48	87.31	508.67	608.83	1,758.73	1,687.74	70.99	24.774		
7,600.00	7,061.83	7,183.00	6,964.25	41.21	32.48	87.21	508.67	608.83	1,758.88	1,687.28	71.60	24.565		
7,646.58	7,064.76	7,147.02	6,944.54	41.69	32.34	86.44	506.36	578.83	1,758.03	1,686.05	71.98	24.424		
7,650.00	7,064.85	7,146.31	6,944.13	41.73	32.34	86.42	506.33	578.25	1,758.03	1,686.00	72.03	24.408		
7,661.89	7,065.00	7,143.83	6,942.69	41.86	32.33	86.37	506.25	576.24	1,758.04	1,685.84	72.20	24.350		
7,700.00	7,065.13	7,135.95	6,938.04	42.28	32.30	86.22	506.04	569.88	1,758.43	1,685.67	72.76	24.169		
7,800.00	7,065.47	7,091.00	6,909.68	43.53	32.15	85.29	506.69	535.05	1,763.47	1,689.43	74.04	23.817		
7,900.00	7,065.82	7,091.00	6,909.68	44.94	32.15	85.29	506.69	535.05	1,771.91	1,696.02	75.89	23.350		
8,000.00	7,066.16	7,065.01	6,892.04	46.50	32.06	84.72	508.03	516.01	1,785.57	1,708.04	77.53	23.032		
8,100.00	7,066.50	7,027.82	6,865.59	48.19	31.93	83.87	510.18	489.96	1,803.23	1,724.14	79.09	22.801		
8,200.00	7,066.85	6,997.00	6,842.64	50.00	31.83	83.14	512.18	469.49	1,824.89	1,744.20	80.69	22.616		
8,300.00	7,067.19	6,966.72	6,819.05	51.91	31.73	82.39	514.28	450.63	1,850.65	1,768.37	82.28	22.491		
8,400.00	7,067.54	6,942.51	6,799.39	53.92	31.65	81.77	516.01	436.62	1,880.55	1,796.69	83.86	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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	7,067.88	6,905.00	6,767.61	56.01	31.53	80.77	518.78	416.89	1,914.74	1,829.48	85.26	22.457		
8,600.00	7,068.22	6,905.00	6,767.61	58.16	31.53	80.77	518.78	416.89	1,952.57	1,865.71	86.86	22.480		
8,700.00	7,068.57	6,870.48	6,737.25	60.38	31.41	79.83	521.12	400.64	1,994.22	1,906.12	88.11	22.634		
8,800.00	7,068.91	6,844.62	6,713.96	62.65	31.33	79.10	522.52	389.50	2,039.32	1,950.01	89.31	22.834		
8,900.00	7,069.25	6,800.00	6,633.77	64.97	39.20	76.62	522.85	357.92	2,087.20	1,988.50	98.70	21.147		
9,000.00	7,069.60	6,690.06	6,569.56	67.34	30.78	74.64	519.85	335.06	2,137.27	2,046.77	90.50	23.617		
9,100.00	7,069.94	6,678.80	6,558.80	69.74	30.74	74.31	518.93	331.85	2,190.36	2,098.83	91.52	23.932		
9,200.00	7,070.28	6,668.75	6,549.16	72.18	30.70	74.01	518.09	329.16	2,246.51	2,154.06	92.46	24.298		
9,300.00	7,070.63	6,659.75	6,540.49	74.65	30.67	73.75	517.31	326.86	2,305.53	2,212.23	93.30	24.711		
9,400.00	7,070.97	6,625.00	6,506.76	77.15	30.54	72.71	514.13	319.14	2,367.67	2,273.88	93.79	25.243		
9,500.00	7,071.32	6,625.00	6,506.76	79.67	30.54	72.71	514.13	319.14	2,431.62	2,337.07	94.56	25.716		
9,600.00	7,071.66	6,625.00	6,506.76	82.22	30.54	72.71	514.13	319.14	2,497.94	2,402.71	95.23	26.230		
9,700.00	7,072.00	6,625.00	6,506.76	84.78	30.54	72.71	514.13	319.14	2,566.45	2,470.61	95.84	26.780		
9,800.00	7,072.35	6,625.00	6,506.76	87.37	30.54	72.71	514.13	319.14	2,636.97	2,540.60	96.37	27.364		
9,900.00	7,072.69	6,625.00	6,506.76	89.97	30.54	72.71	514.13	319.14	2,709.34	2,612.50	96.84	27.978		
10,000.00	7,073.03	6,625.00	6,506.76	92.59	30.54	72.71	514.13	319.14	2,783.42	2,686.17	97.25	28.620		
10,100.00	7,073.38	6,625.00	6,506.76	95.22	30.54	72.71	514.13	319.14	2,859.09	2,761.47	97.62	29.288		
10,200.00	7,073.72	6,625.00	6,506.76	97.86	30.54	72.71	514.13	319.14	2,936.21	2,838.26	97.94	29.979		
10,300.00	7,074.07	6,625.00	6,506.76	100.52	30.54	72.71	514.13	319.14	3,014.67	2,916.44	98.22	30.692		
10,400.00	7,074.41	6,625.00	6,506.76	103.19	30.54	72.71	514.13	319.14	3,094.38	2,995.90	98.47	31.424		
10,500.00	7,074.75	6,625.00	6,506.76	105.87	30.54	72.71	514.13	319.14	3,175.23	3,076.54	98.69	32.174		
10,600.00	7,075.10	6,625.00	6,506.76	108.55	30.54	72.71	514.13	319.14	3,257.15	3,158.27	98.88	32.941		
10,700.00	7,075.44	6,625.00	6,506.76	111.25	30.54	72.71	514.13	319.14	3,340.05	3,241.01	99.04	33.724		
10,800.00	7,075.78	6,625.00	6,506.76	113.96	30.54	72.71	514.13	319.14	3,423.87	3,324.68	99.19	34.520		
10,900.00	7,076.13	6,625.00	6,506.76	116.67	30.54	72.71	514.13	319.14	3,508.53	3,409.22	99.31	35.329		
11,000.00	7,076.47	6,625.00	6,506.76	119.39	30.54	72.71	514.13	319.14	3,593.99	3,494.57	99.42	36.151		
11,100.00	7,076.81	6,625.00	6,506.76	122.11	30.54	72.71	514.13	319.14	3,680.17	3,580.66	99.51	36.983		
11,200.00	7,077.16	6,625.00	6,506.76	124.85	30.54	72.71	514.13	319.14	3,767.04	3,667.45	99.59	37.826		
11,300.00	7,077.50	6,625.00	6,506.76	127.58	30.54	72.71	514.13	319.14	3,854.54	3,754.89	99.66	38.679		
11,400.00	7,077.85	6,625.00	6,506.76	130.33	30.54	72.71	514.13	319.14	3,942.64	3,842.93	99.71	39.540		
11,500.00	7,078.19	6,625.00	6,506.76	133.08	30.54	72.71	514.13	319.14	4,031.30	3,931.54	99.76	40.409		
11,600.00	7,078.53	6,625.00	6,506.76	135.83	30.54	72.71	514.13	319.14	4,120.47	4,020.67	99.80	41.286		
11,700.00	7,078.88	6,625.00	6,506.76	138.59	30.54	72.71	514.13	319.14	4,210.13	4,110.30	99.84	42.170		
11,800.00	7,079.22	6,625.00	6,506.76	141.35	30.54	72.71	514.13	319.14	4,300.25	4,200.39	99.86	43.061		
11,900.00	7,079.56	6,625.00	6,506.76	144.11	30.54	72.71	514.13	319.14	4,390.80	4,290.91	99.89	43.958		
12,000.00	7,079.91	6,625.00	6,506.76	146.88	30.54	72.71	514.13	319.14	4,481.74	4,381.84	99.91	44.860		
12,100.00	7,080.25	6,625.00	6,506.76	149.66	30.54	72.71	514.13	319.14	4,573.07	4,473.15	99.92	45.768		
12,200.00	7,080.60	6,625.00	6,506.76	152.43	30.54	72.71	514.13	319.14	4,664.75	4,564.82	99.93	46.680		
12,300.00	7,080.94	6,625.00	6,506.76	155.21	30.54	72.71	514.13	319.14	4,756.76	4,656.83	99.94	47.597		
12,400.00	7,081.28	6,625.00	6,506.76	157.99	30.54	72.71	514.13	319.14	4,849.10	4,749.15	99.94	48.519		
12,500.00	7,081.63	6,582.57	6,464.98	160.78	30.37	71.45	510.86	312.67	4,939.51	4,839.76	99.75	49.518		
12,600.00	7,081.97	6,581.73	6,464.14	163.57	30.37	71.42	510.81	312.58	5,032.33	4,932.58	99.75	50.449		
12,700.00	7,082.31	6,580.91	6,463.32	166.36	30.36	71.40	510.76	312.49	5,125.43	5,025.68	99.75	51.383		
12,800.00	7,082.66	6,580.11	6,462.54	169.15	30.36	71.37	510.71	312.41	5,218.78	5,119.03	99.75	52.320		
12,900.00	7,083.00	6,579.34	6,461.77	171.94	30.36	71.35	510.67	312.33	5,312.37	5,212.63	99.74	53.260		
13,000.00	7,083.35	6,578.60	6,461.03	174.74	30.35	71.33	510.63	312.25	5,406.19	5,306.45	99.74	54.203		
13,100.00	7,083.69	6,577.88	6,460.32	177.54	30.35	71.31	510.59	312.18	5,500.22	5,400.49	99.73	55.149		
13,200.00	7,084.03	6,577.18	6,459.62	180.34	30.35	71.29	510.55	312.11	5,594.46	5,494.73	99.73	56.097		
13,300.00	7,084.38	6,576.50	6,458.95	183.14	30.35	71.27	510.51	312.05	5,688.90	5,589.17	99.72	57.047		
13,400.00	7,084.72	6,575.85	6,458.30	185.95	30.34	71.25	510.48	311.98	5,783.52	5,683.80	99.72	57.999		
13,500.00	7,085.06	6,575.21	6,457.66	188.76	30.34	71.23	510.45	311.92	5,878.32	5,778.61	99.71	58.954		
13,600.00	7,085.41	6,532.00	6,414.55	191.56	30.17	69.96	508.98	309.83	5,975.48	5,875.94	99.54	60.031		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,700.00	7,085.75	6,532.00	6,414.55	194.37	30.17	69.96	508.98	309.83	6,070.54	5,971.00	99.54	60.986		
13,800.00	7,086.09	6,532.00	6,414.55	197.18	30.17	69.96	508.98	309.83	6,165.76	6,066.22	99.54	61.943		
13,900.00	7,086.44	6,532.00	6,414.55	200.00	30.17	69.96	508.98	309.83	6,261.13	6,161.59	99.54	62.902		
14,000.00	7,086.78	6,532.00	6,414.55	202.81	30.17	69.96	508.98	309.83	6,356.64	6,257.10	99.54	63.862		
14,100.00	7,087.13	6,532.00	6,414.55	205.63	30.17	69.96	508.98	309.83	6,452.29	6,352.75	99.54	64.823		
14,200.00	7,087.47	6,532.00	6,414.55	208.44	30.17	69.96	508.98	309.83	6,548.07	6,448.53	99.54	65.785		
14,300.00	7,087.81	6,532.00	6,414.55	211.26	30.17	69.96	508.98	309.83	6,643.97	6,544.43	99.54	66.748		
14,400.00	7,088.16	6,532.00	6,414.55	214.08	30.17	69.96	508.98	309.83	6,739.99	6,640.45	99.54	67.712		
14,500.00	7,088.50	6,532.00	6,414.55	216.90	30.17	69.96	508.98	309.83	6,836.12	6,736.58	99.54	68.676		
14,600.00	7,088.84	6,532.00	6,414.55	219.72	30.17	69.96	508.98	309.83	6,932.37	6,832.82	99.54	69.642		
14,700.00	7,089.19	6,532.00	6,414.55	222.54	30.17	69.96	508.98	309.83	7,028.72	6,929.17	99.55	70.607		
14,800.00	7,089.53	6,532.00	6,414.55	225.37	30.17	69.96	508.98	309.83	7,125.17	7,025.62	99.55	71.574		
14,900.00	7,089.88	6,532.00	6,414.55	228.19	30.17	69.96	508.98	309.83	7,221.71	7,122.16	99.55	72.541		
15,000.00	7,090.22	6,532.00	6,414.55	231.02	30.17	69.96	508.98	309.83	7,318.35	7,218.79	99.56	73.508		
15,100.00	7,090.56	6,532.00	6,414.55	233.84	30.17	69.96	508.98	309.83	7,415.08	7,315.51	99.56	74.475		
15,200.00	7,090.91	6,532.00	6,414.55	236.67	30.17	69.96	508.98	309.83	7,511.89	7,412.32	99.57	75.442		
15,227.29	7,091.00	6,532.00	6,414.55	237.44	30.17	69.96	508.98	309.83	7,538.33	7,438.75	99.57	75.707		
15,300.00	7,091.25	6,532.00	6,414.55	239.49	30.17	67.82	508.98	309.83	7,608.99	7,509.41	99.58	76.411		
15,326.57	7,091.35	6,532.00	6,414.55	240.24	30.17	66.91	508.98	309.83	7,634.92	7,535.34	99.58	76.670		
15,400.00	7,091.60	6,532.00	6,414.55	242.30	30.17	66.91	508.98	309.83	7,706.68	7,607.09	99.59	77.384		
15,500.00	7,091.96	6,532.00	6,414.55	245.12	30.17	66.91	508.98	309.83	7,804.44	7,704.84	99.60	78.357		
15,600.00	7,092.31	6,532.00	6,414.55	247.93	30.17	66.91	508.98	309.83	7,902.26	7,802.65	99.61	79.329		
15,700.00	7,092.66	6,532.00	6,414.55	250.75	30.17	66.91	508.98	309.83	8,000.13	7,900.51	99.63	80.301		
15,800.00	7,093.01	6,532.00	6,414.55	253.56	30.17	66.91	508.98	309.83	8,098.06	7,998.42	99.64	81.272		
15,900.00	7,093.36	6,532.00	6,414.55	256.38	30.17	66.91	508.98	309.83	8,196.04	8,096.38	99.66	82.243		
16,000.00	7,093.71	6,532.00	6,414.55	259.20	30.17	66.91	508.98	309.83	8,294.06	8,194.39	99.67	83.214		
16,100.00	7,094.07	6,532.00	6,414.55	262.02	30.17	66.91	508.98	309.83	8,392.13	8,292.44	99.69	84.184		
16,200.00	7,094.42	6,532.00	6,414.55	264.84	30.17	66.91	508.98	309.83	8,490.25	8,390.54	99.71	85.153		
16,300.00	7,094.77	6,532.00	6,414.55	267.65	30.17	66.91	508.98	309.83	8,588.41	8,488.68	99.72	86.122		
16,400.00	7,095.12	6,532.00	6,414.55	270.47	30.17	66.91	508.98	309.83	8,686.61	8,586.87	99.74	87.090		
16,500.00	7,095.47	6,532.00	6,414.55	273.30	30.17	66.91	508.98	309.83	8,784.85	8,685.09	99.76	88.057		
16,600.00	7,095.82	6,532.00	6,414.55	276.12	30.17	66.91	508.98	309.83	8,883.13	8,783.35	99.78	89.024		
16,700.00	7,096.18	6,532.00	6,414.55	278.94	30.17	66.91	508.98	309.83	8,981.45	8,881.65	99.81	89.990		
16,800.00	7,096.53	6,532.00	6,414.55	281.76	30.17	66.91	508.98	309.83	9,079.81	8,979.98	99.83	90.955		
16,900.00	7,096.88	6,532.00	6,414.55	284.58	30.17	66.91	508.98	309.83	9,178.20	9,078.35	99.85	91.919		
17,000.00	7,097.23	6,532.00	6,414.55	287.41	30.17	66.91	508.98	309.83	9,276.62	9,176.75	99.88	92.882		
17,100.00	7,097.58	6,532.00	6,414.55	290.23	30.17	66.91	508.98	309.83	9,375.08	9,275.18	99.90	93.845		
17,200.00	7,097.93	6,532.00	6,414.55	293.06	30.17	66.91	508.98	309.83	9,473.58	9,373.65	99.93	94.806		
17,300.00	7,098.29	6,532.00	6,414.55	295.88	30.17	66.91	508.98	309.83	9,572.10	9,472.15	99.95	95.766		
17,400.00	7,098.64	6,532.00	6,414.55	298.71	30.17	66.91	508.98	309.83	9,670.65	9,570.67	99.98	96.726		
17,500.00	7,098.99	6,532.00	6,414.55	301.53	30.17	66.91	508.98	309.83	9,769.23	9,669.23	100.01	97.684		
17,600.00	7,099.34	6,532.00	6,414.55	304.36	30.17	66.91	508.98	309.83	9,867.84	9,767.81	100.04	98.642		
17,700.00	7,099.69	6,532.00	6,414.55	307.19	30.17	66.91	508.98	309.83	9,966.48	9,866.42	100.07	99.598		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	136.68	-537.71	506.98	739.11					
100.00	100.00	81.29	81.29	3.28	3.29	136.68	-537.94	507.36	739.49	732.92	6.57	112.556		
200.00	200.00	177.12	177.11	3.34	3.31	136.64	-538.71	508.68	741.01	734.36	6.65	111.398		
300.00	299.98	283.98	283.95	3.44	3.41	3.61	-539.26	510.03	740.52	733.67	6.85	108.074		
400.00	399.84	397.99	397.95	3.59	3.58	3.54	-538.21	510.82	735.12	727.95	7.18	102.455		
500.00	499.45	534.16	533.97	3.80	3.85	3.31	-532.12	510.23	722.98	715.30	7.68	94.134		
600.00	598.70	675.47	674.42	4.04	4.21	2.76	-517.17	506.74	701.58	693.24	8.34	84.112		
700.00	697.47	815.88	812.26	4.32	4.64	1.55	-491.20	501.89	670.65	661.55	9.11	73.658		
800.00	795.62	928.76	921.14	4.65	5.03	-0.24	-461.66	498.60	631.83	622.05	9.79	64.552		
900.00	893.06	1,031.75	1,019.48	5.02	5.42	-2.49	-431.22	495.61	588.19	577.73	10.46	56.211		
993.00	982.91	1,119.80	1,102.92	5.39	5.78	-4.93	-403.32	491.90	543.34	532.25	11.09	48.991		
1,000.00	989.65	1,125.82	1,108.61	5.42	5.80	-5.10	-401.40	491.61	539.87	528.73	11.14	48.441		
1,100.00	1,085.84	1,207.66	1,186.23	5.86	6.16	-7.70	-375.80	487.41	490.76	478.98	11.78	41.673		
1,200.00	1,182.03	1,293.54	1,268.34	6.32	6.54	-10.62	-351.23	482.11	443.34	430.87	12.47	35.559		
1,300.00	1,278.22	1,387.03	1,357.27	6.79	6.97	-14.61	-323.25	475.06	395.42	382.20	13.22	29.904		
1,400.00	1,374.42	1,470.01	1,435.44	7.28	7.37	-19.49	-296.02	469.42	348.56	334.55	14.02	24.869		
1,500.00	1,470.61	1,547.59	1,508.12	7.79	7.76	-25.55	-269.10	465.78	305.69	290.79	14.90	20.516		
1,600.00	1,566.80	1,625.47	1,581.56	8.30	8.15	-32.81	-243.35	463.32	269.35	253.46	15.88	16.956		
1,700.00	1,663.00	1,708.32	1,660.30	8.82	8.56	-41.73	-217.63	461.47	240.82	223.85	16.96	14.197		
1,800.00	1,759.19	1,791.12	1,738.78	9.34	8.97	-52.23	-191.26	460.37	222.06	203.97	18.09	12.273		
1,897.87	1,853.33	1,872.94	1,816.11	9.86	9.39	-63.61	-164.56	459.98	215.85	196.70	19.15	11.274 CC		
1,900.00	1,855.38	1,874.81	1,817.89	9.87	9.40	-63.87	-163.94	459.97	215.85	196.68	19.17	11.261 ES		
2,000.00	1,951.58	1,962.69	1,901.01	10.41	9.85	-76.10	-135.48	458.96	221.92	201.81	20.11	11.033 SF		
2,100.00	2,047.77	2,049.44	1,983.09	10.95	10.30	-87.40	-107.49	456.69	238.99	218.11	20.88	11.445		
2,200.00	2,143.96	2,134.82	2,063.89	11.49	10.74	-97.18	-80.02	453.73	265.50	243.98	21.52	12.335		
2,300.00	2,240.16	2,221.13	2,145.63	12.04	11.20	-105.49	-52.54	450.24	298.95	276.80	22.15	13.499		
2,400.00	2,336.35	2,308.73	2,228.67	12.58	11.66	-112.52	-25.05	445.61	337.02	314.22	22.80	14.782		
2,500.00	2,432.54	2,394.25	2,309.75	13.13	12.12	-118.33	1.48	439.62	378.41	354.97	23.44	16.143		
2,600.00	2,528.74	2,474.96	2,386.17	13.69	12.55	-122.93	26.68	433.36	422.87	398.84	24.03	17.595		
2,700.00	2,624.93	2,561.04	2,467.58	14.24	13.01	-126.94	53.94	427.04	469.88	445.13	24.75	18.984		
2,800.00	2,721.12	2,652.82	2,554.72	14.80	13.51	-130.46	81.89	420.23	517.38	491.80	25.58	20.224		
2,900.00	2,817.32	2,738.01	2,636.01	15.35	13.96	-132.93	107.08	416.39	565.01	538.67	26.34	21.452		
3,000.00	2,913.51	2,820.28	2,714.34	15.91	14.39	-134.73	132.16	414.80	613.90	586.83	27.07	22.676		
3,100.00	3,009.70	2,904.62	2,794.61	16.47	14.84	-136.37	157.95	412.61	663.41	635.55	27.85	23.820		
3,200.00	3,105.90	2,986.39	2,872.36	17.03	15.27	-137.77	183.19	410.25	713.58	684.98	28.60	24.951		
3,300.00	3,202.09	3,066.65	2,948.45	17.59	15.71	-138.83	208.69	409.45	764.58	735.23	29.34	26.058		
3,400.00	3,298.28	3,157.01	3,034.08	18.15	16.19	-139.80	237.54	409.62	815.72	785.47	30.25	26.967		
3,500.00	3,394.48	3,237.30	3,110.20	18.72	16.62	-140.59	263.09	409.34	866.99	835.98	31.01	27.961		
3,600.00	3,490.67	3,319.46	3,188.01	19.28	17.06	-141.36	289.44	408.28	918.77	886.97	31.80	28.895		
3,700.00	3,586.86	3,411.78	3,275.54	19.84	17.56	-142.21	318.72	406.10	970.58	937.85	32.74	29.648		
3,800.00	3,683.06	3,518.56	3,377.23	20.41	18.13	-143.05	351.23	404.48	1,021.25	987.38	33.87	30.151		
3,900.00	3,779.25	3,620.17	3,474.45	20.97	18.67	-143.65	380.75	404.97	1,070.35	1,035.43	34.92	30.650		
4,000.00	3,875.44	3,719.59	3,569.98	21.54	19.18	-144.23	408.30	404.90	1,118.44	1,082.51	35.93	31.128		
4,100.00	3,971.64	3,792.00	3,639.51	22.11	19.55	-144.63	428.50	404.80	1,166.77	1,130.17	36.60	31.878		
4,200.00	4,067.83	3,865.92	3,710.25	22.67	19.94	-144.98	449.95	404.91	1,216.09	1,178.79	37.30	32.607		
4,300.00	4,164.02	3,940.55	3,781.40	23.24	20.34	-145.27	472.47	405.42	1,266.33	1,228.33	38.00	33.321		
4,400.00	4,260.22	4,014.91	3,852.10	23.81	20.73	-145.55	495.50	405.75	1,317.36	1,278.65	38.71	34.030		
4,500.00	4,356.41	4,087.12	3,920.54	24.37	21.12	-145.79	518.51	406.02	1,369.21	1,329.81	39.40	34.756		
4,600.00	4,452.60	4,152.81	3,982.55	24.94	21.49	-145.99	540.20	406.24	1,422.09	1,382.09	39.99	35.558		
4,700.00	4,548.79	4,220.39	4,046.04	25.51	21.86	-146.18	563.36	406.40	1,476.07	1,435.44	40.62	36.337		
4,800.00	4,644.99	4,339.26	4,157.67	26.08	22.52	-146.50	604.19	406.13	1,530.55	1,488.59	41.96	36.478		
4,900.00	4,741.18	4,480.66	4,292.52	26.65	23.28	-146.97	646.70	404.77	1,581.06	1,537.53	43.53	36.324		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,584.92	4,392.56	27.21	23.83	-147.31	676.03	403.68	1,630.15	1,585.56	44.60	36.551		
5,100.00	4,933.57	4,668.42	4,472.95	27.78	24.27	-147.59	698.54	402.35	1,678.41	1,632.99	45.42	36.951		
5,200.00	5,029.76	4,718.02	4,520.52	28.35	24.53	-147.77	712.53	400.83	1,728.15	1,682.31	45.84	37.699		
5,300.00	5,125.95	4,776.23	4,576.01	28.92	24.84	-147.99	729.91	398.33	1,779.62	1,733.26	46.36	38.389		
5,400.00	5,222.15	4,849.67	4,645.76	29.49	25.24	-148.25	752.65	395.02	1,832.15	1,785.08	47.07	38.927		
5,500.00	5,318.34	4,942.88	4,734.49	30.06	25.75	-148.58	780.85	390.46	1,884.21	1,836.18	48.03	39.233		
5,600.00	5,414.53	4,993.34	4,782.36	30.63	26.03	-148.76	796.55	387.68	1,937.25	1,888.81	48.45	39.989		
5,700.00	5,510.73	5,700.00	4,873.57	31.20	29.93	-149.10	826.73	381.57	1,990.75	1,938.19	52.56	37.873		
5,800.00	5,606.92	5,235.03	5,012.48	31.77	27.34	-149.65	868.52	371.41	2,041.92	1,990.88	51.03	40.010		
5,900.00	5,703.11	5,348.89	5,121.51	32.34	27.95	-149.99	900.81	365.88	2,092.68	2,040.47	52.22	40.076		
6,000.00	5,799.31	5,621.28	5,386.66	32.91	29.28	-151.02	959.96	348.08	2,137.53	2,082.61	54.92	38.922		
6,100.00	5,895.50	5,735.99	5,499.43	33.48	29.81	-151.38	980.47	343.61	2,178.99	2,123.00	55.99	38.917		
6,200.00	5,991.69	5,915.73	5,676.81	34.05	30.62	-151.83	1,009.26	341.03	2,217.95	2,160.39	57.56	38.531		
6,300.00	6,087.89	6,020.85	5,780.88	34.62	31.08	-152.08	1,024.04	340.53	2,255.08	2,196.55	58.52	38.532		
6,400.00	6,184.08	6,108.54	5,867.76	35.19	31.46	-152.30	1,035.96	339.36	2,292.11	2,232.75	59.36	38.616		
6,500.00	6,280.27	6,337.20	6,094.81	35.77	32.42	-152.80	1,062.61	339.92	2,327.48	2,266.37	61.11	38.084		
6,535.30	6,314.23	6,399.59	6,156.96	35.97	32.67	-152.92	1,067.77	341.26	2,338.53	2,276.95	61.58	37.976		
6,550.00	6,328.40	7,895.61	7,072.70	36.05	40.76	-137.34	1,103.54	1,256.07	2,339.88	2,270.88	69.00	33.909		
6,600.00	6,377.01	7,900.86	7,072.49	36.31	40.84	-151.85	1,103.46	1,261.31	2,333.41	2,263.53	69.87	33.395		
6,650.00	6,426.00	7,902.15	7,072.44	36.54	40.86	-172.34	1,103.44	1,262.59	2,328.02	2,257.39	70.64	32.958		
6,700.00	6,475.08	7,899.24	7,072.55	36.73	40.81	-165.10	1,103.49	1,259.69	2,323.77	2,252.49	71.29	32.597		
6,750.00	6,523.94	7,891.92	7,072.86	36.90	40.70	146.57	1,103.60	1,252.37	2,320.68	2,248.85	71.83	32.309		
6,800.00	6,572.28	7,879.96	7,073.39	37.05	40.53	133.66	1,103.77	1,240.43	2,318.72	2,246.47	72.25	32.091		
6,850.00	6,619.81	7,863.17	7,074.23	37.19	40.28	124.85	1,103.98	1,223.67	2,317.86	2,245.29	72.57	31.940		
6,867.29	6,636.01	7,856.22	7,074.60	37.23	40.17	122.45	1,104.06	1,216.72	2,317.80	2,245.14	72.65	31.902		
6,900.00	6,666.23	7,841.41	7,075.45	37.32	39.96	118.56	1,104.20	1,201.94	2,318.00	2,245.23	72.77	31.853		
6,950.00	6,711.25	7,818.22	7,076.91	37.46	39.62	113.88	1,104.37	1,178.80	2,319.05	2,246.11	72.94	31.794		
7,000.00	6,754.60	7,798.69	7,077.93	37.61	39.37	110.30	1,104.59	1,159.29	2,320.96	2,247.79	73.17	31.719		
7,050.00	6,796.01	7,777.74	7,078.69	37.77	39.09	107.37	1,104.93	1,138.36	2,323.66	2,250.29	73.38	31.668		
7,100.00	6,835.22	7,543.00	7,045.75	37.94	36.59	100.40	1,104.71	907.48	2,326.96	2,256.34	70.62	32.951		
7,150.00	6,871.99	7,543.00	7,045.75	38.12	36.59	98.87	1,104.71	907.48	2,328.72	2,257.59	71.13	32.741		
7,200.00	6,906.10	7,516.36	7,036.49	38.34	36.41	97.00	1,103.94	882.51	2,330.72	2,259.37	71.35	32.666		
7,250.00	6,937.34	7,506.38	7,032.71	38.57	36.34	95.67	1,103.78	873.28	2,333.35	2,261.57	71.77	32.510		
7,300.00	6,965.51	7,495.72	7,028.49	38.84	36.27	94.48	1,103.69	863.49	2,336.38	2,264.17	72.21	32.356		
7,350.00	6,990.44	7,484.46	7,023.82	39.14	36.21	93.38	1,103.69	853.24	2,339.78	2,267.12	72.67	32.199		
7,400.00	7,011.97	7,450.00	7,008.23	39.47	36.02	91.94	1,104.24	822.53	2,343.78	2,270.90	72.88	32.159		
7,450.00	7,029.98	7,450.00	7,008.23	39.85	36.02	91.26	1,104.24	822.53	2,347.50	2,273.97	73.53	31.926		
7,500.00	7,044.34	7,450.00	7,008.23	40.26	36.02	90.63	1,104.24	822.53	2,351.59	2,277.37	74.21	31.687		
7,550.00	7,054.99	7,423.97	6,995.41	40.72	35.90	89.64	1,105.07	799.88	2,355.76	2,281.10	74.65	31.555		
7,600.00	7,061.83	7,401.14	6,983.68	41.21	35.81	88.82	1,105.93	780.32	2,359.85	2,284.70	75.15	31.400		
7,650.00	7,064.85	7,377.79	6,971.21	41.73	35.72	88.09	1,106.94	760.61	2,363.79	2,288.12	75.67	31.240		
7,661.89	7,065.00	7,372.17	6,968.13	41.86	35.70	87.93	1,107.20	755.91	2,364.69	2,288.91	75.79	31.201		
7,700.00	7,065.13	7,348.51	6,954.91	42.28	35.62	87.61	1,108.38	736.33	2,367.75	2,291.61	76.14	31.096		
7,800.00	7,065.47	7,079.95	6,783.33	43.53	34.95	83.44	1,108.09	530.29	2,373.39	2,297.99	75.41	31.474		
7,900.00	7,065.82	7,028.74	6,746.34	44.94	34.83	82.55	1,105.48	494.98	2,378.52	2,301.75	76.78	30.980		
8,000.00	7,066.16	6,979.00	6,708.33	46.50	34.70	81.63	1,103.05	463.00	2,386.66	2,308.41	78.24	30.504		
8,100.00	7,066.50	6,954.12	6,688.48	48.19	34.63	81.15	1,101.88	448.04	2,397.90	2,317.90	79.99	29.976		
8,200.00	7,066.85	6,925.50	6,664.86	50.00	34.55	80.58	1,100.54	431.94	2,412.51	2,330.76	81.75	29.511		
8,300.00	7,067.19	8,300.00	6,636.84	51.91	39.29	79.91	1,099.27	414.20	2,430.66	2,341.32	89.35	27.205		
8,400.00	7,067.54	6,862.98	6,610.61	53.92	34.36	79.28	1,097.50	401.10	2,452.05	2,366.82	85.23	28.769		
8,500.00	7,067.88	6,805.74	6,558.24	56.01	34.18	78.02	1,092.77	378.54	2,476.42	2,389.71	86.71	28.559		
8,600.00	7,068.22	6,790.00	6,543.49	58.16	34.12	77.67	1,091.06	373.34	2,504.00	2,415.49	88.51	28.290		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,790.00	6,543.49	60.38	34.12	77.67	1,091.06	373.34	2,535.18	2,444.79	90.39	28.046		
8,800.00	7,068.91	6,790.00	6,543.49	62.65	34.12	77.67	1,091.06	373.34	2,569.88	2,477.68	92.20	27.872		
8,900.00	7,069.25	6,790.00	6,543.49	64.97	34.12	77.67	1,091.06	373.34	2,607.95	2,514.02	93.93	27.764		
9,000.00	7,069.60	6,790.00	6,543.49	67.34	34.12	77.67	1,091.06	373.34	2,649.25	2,553.68	95.57	27.719		
9,100.00	7,069.94	6,753.08	6,508.30	69.74	33.99	76.83	1,087.21	362.85	2,692.43	2,595.59	96.84	27.803		
9,200.00	7,070.28	6,748.06	6,503.46	72.18	33.97	76.71	1,086.74	361.61	2,739.37	2,641.10	98.27	27.875		
9,300.00	7,070.63	6,743.39	6,498.95	74.65	33.95	76.60	1,086.32	360.50	2,789.06	2,689.44	99.62	27.996		
9,400.00	7,070.97	6,739.03	6,494.73	77.15	33.94	76.50	1,085.94	359.50	2,841.37	2,740.48	100.89	28.163		
9,500.00	7,071.32	6,734.96	6,490.78	79.67	33.92	76.41	1,085.59	358.59	2,896.15	2,794.08	102.07	28.374		
9,600.00	7,071.66	6,695.00	6,451.61	82.22	33.78	75.48	1,082.66	351.28	2,954.52	2,851.63	102.89	28.715		
9,700.00	7,072.00	6,695.00	6,451.61	84.78	33.78	75.48	1,082.66	351.28	3,013.64	2,909.68	103.95	28.990		
9,800.00	7,072.35	6,695.00	6,451.61	87.37	33.78	75.48	1,082.66	351.28	3,074.87	2,969.93	104.94	29.302		
9,900.00	7,072.69	6,695.00	6,451.61	89.97	33.78	75.48	1,082.66	351.28	3,138.09	3,032.24	105.85	29.647		
10,000.00	7,073.03	6,695.00	6,451.61	92.59	33.78	75.48	1,082.66	351.28	3,203.19	3,096.49	106.69	30.023		
10,100.00	7,073.38	6,695.00	6,451.61	95.22	33.78	75.48	1,082.66	351.28	3,270.05	3,162.57	107.47	30.427		
10,200.00	7,073.72	6,695.00	6,451.61	97.86	33.78	75.48	1,082.66	351.28	3,338.56	3,230.37	108.19	30.858		
10,300.00	7,074.07	6,695.00	6,451.61	100.52	33.78	75.48	1,082.66	351.28	3,408.63	3,299.78	108.85	31.314		
10,400.00	7,074.41	6,695.00	6,451.61	103.19	33.78	75.48	1,082.66	351.28	3,480.17	3,370.70	109.47	31.792		
10,500.00	7,074.75	6,695.00	6,451.61	105.87	33.78	75.48	1,082.66	351.28	3,553.08	3,443.05	110.03	32.292		
10,600.00	7,075.10	6,695.00	6,451.61	108.55	33.78	75.48	1,082.66	351.28	3,627.28	3,516.73	110.55	32.811		
10,700.00	7,075.44	6,695.00	6,451.61	111.25	33.78	75.48	1,082.66	351.28	3,702.70	3,591.67	111.03	33.349		
10,800.00	7,075.78	6,695.00	6,451.61	113.96	33.78	75.48	1,082.66	351.28	3,779.26	3,667.79	111.47	33.904		
10,900.00	7,076.13	6,695.00	6,451.61	116.67	33.78	75.48	1,082.66	351.28	3,856.89	3,745.01	111.88	34.474		
11,000.00	7,076.47	6,695.00	6,451.61	119.39	33.78	75.48	1,082.66	351.28	3,935.53	3,823.28	112.25	35.060		
11,100.00	7,076.81	6,695.00	6,451.61	122.11	33.78	75.48	1,082.66	351.28	4,015.12	3,902.52	112.60	35.659		
11,200.00	7,077.16	6,695.00	6,451.61	124.85	33.78	75.48	1,082.66	351.28	4,095.60	3,982.69	112.91	36.272		
11,300.00	7,077.50	6,695.00	6,451.61	127.58	33.78	75.48	1,082.66	351.28	4,176.93	4,063.73	113.21	36.896		
11,400.00	7,077.85	6,695.00	6,451.61	130.33	33.78	75.48	1,082.66	351.28	4,259.06	4,145.58	113.48	37.532		
11,500.00	7,078.19	6,695.00	6,451.61	133.08	33.78	75.48	1,082.66	351.28	4,341.93	4,228.20	113.73	38.179		
11,600.00	7,078.53	6,695.00	6,451.61	135.83	33.78	75.48	1,082.66	351.28	4,425.51	4,311.56	113.96	38.836		
11,700.00	7,078.88	6,695.00	6,451.61	138.59	33.78	75.48	1,082.66	351.28	4,509.76	4,395.59	114.17	39.501		
11,800.00	7,079.22	6,695.00	6,451.61	141.35	33.78	75.48	1,082.66	351.28	4,594.64	4,480.28	114.36	40.176		
11,900.00	7,079.56	6,695.00	6,451.61	144.11	33.78	75.48	1,082.66	351.28	4,680.12	4,565.58	114.54	40.859		
12,000.00	7,079.91	6,695.00	6,451.61	146.88	33.78	75.48	1,082.66	351.28	4,766.17	4,651.46	114.71	41.550		
12,100.00	7,080.25	6,695.00	6,451.61	149.66	33.78	75.48	1,082.66	351.28	4,852.75	4,737.88	114.86	42.248		
12,200.00	7,080.60	6,695.00	6,451.61	152.43	33.78	75.48	1,082.66	351.28	4,939.83	4,824.82	115.01	42.952		
12,300.00	7,080.94	6,695.00	6,451.61	155.21	33.78	75.48	1,082.66	351.28	5,027.40	4,912.26	115.14	43.664		
12,400.00	7,081.28	6,695.00	6,451.61	157.99	33.78	75.48	1,082.66	351.28	5,115.42	5,000.16	115.26	44.381		
12,500.00	7,081.63	6,695.00	6,451.61	160.78	33.78	75.48	1,082.66	351.28	5,203.88	5,088.50	115.37	45.104		
12,600.00	7,081.97	6,695.00	6,451.61	163.57	33.78	75.48	1,082.66	351.28	5,292.74	5,177.26	115.48	45.832		
12,700.00	7,082.31	6,695.00	6,451.61	166.36	33.78	75.48	1,082.66	351.28	5,382.00	5,266.42	115.58	46.566		
12,800.00	7,082.66	6,695.00	6,451.61	169.15	33.78	75.48	1,082.66	351.28	5,471.63	5,355.96	115.67	47.304		
12,900.00	7,083.00	6,695.00	6,451.61	171.94	33.78	75.48	1,082.66	351.28	5,561.61	5,445.86	115.75	48.047		
13,000.00	7,083.35	6,695.00	6,451.61	174.74	33.78	75.48	1,082.66	351.28	5,651.93	5,536.10	115.83	48.794		
13,100.00	7,083.69	6,695.00	6,451.61	177.54	33.78	75.48	1,082.66	351.28	5,742.57	5,626.66	115.91	49.545		
13,200.00	7,084.03	6,695.00	6,451.61	180.34	33.78	75.48	1,082.66	351.28	5,833.52	5,717.54	115.97	50.300		
13,300.00	7,084.38	6,695.00	6,451.61	183.14	33.78	75.48	1,082.66	351.28	5,924.75	5,808.72	116.04	51.059		
13,400.00	7,084.72	6,695.00	6,451.61	185.95	33.78	75.48	1,082.66	351.28	6,016.27	5,900.17	116.10	51.821		
13,500.00	7,085.06	6,695.00	6,451.61	188.76	33.78	75.48	1,082.66	351.28	6,108.05	5,991.90	116.15	52.586		
13,600.00	7,085.41	6,695.00	6,451.61	191.56	33.78	75.48	1,082.66	351.28	6,200.09	6,083.88	116.21	53.354		
13,700.00	7,085.75	6,695.00	6,451.61	194.37	33.78	75.48	1,082.66	351.28	6,292.37	6,176.11	116.26	54.125		
13,800.00	7,086.09	6,695.00	6,451.61	197.18	33.78	75.48	1,082.66	351.28	6,384.88	6,268.58	116.30	54.899		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 140-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,695.00	6,451.61	200.00	33.78	75.48	1,082.66	351.28	6,477.61	6,361.27	116.35	55.675		
14,000.00	7,086.78	6,695.00	6,451.61	202.81	33.78	75.48	1,082.66	351.28	6,570.56	6,454.17	116.39	56.454		
14,100.00	7,087.13	6,695.00	6,451.61	205.63	33.78	75.48	1,082.66	351.28	6,663.71	6,547.29	116.43	57.235		
14,200.00	7,087.47	6,695.00	6,451.61	208.44	33.78	75.48	1,082.66	351.28	6,757.06	6,640.60	116.47	58.018		
14,300.00	7,087.81	6,695.00	6,451.61	211.26	33.78	75.48	1,082.66	351.28	6,850.60	6,734.10	116.50	58.803		
14,400.00	7,088.16	6,695.00	6,451.61	214.08	33.78	75.48	1,082.66	351.28	6,944.31	6,827.78	116.53	59.590		
14,500.00	7,088.50	6,652.26	6,409.23	216.90	33.62	74.50	1,080.28	346.36	7,036.69	6,920.28	116.41	60.447		
14,600.00	7,088.84	6,651.59	6,408.55	219.72	33.62	74.48	1,080.25	346.30	7,130.70	7,014.26	116.44	61.239		
14,700.00	7,089.19	6,650.93	6,407.90	222.54	33.62	74.47	1,080.21	346.25	7,224.87	7,108.40	116.47	62.033		
14,800.00	7,089.53	6,650.28	6,407.26	225.37	33.62	74.45	1,080.18	346.19	7,319.19	7,202.69	116.50	62.828		
14,900.00	7,089.88	6,649.65	6,406.63	228.19	33.61	74.44	1,080.15	346.14	7,413.66	7,297.13	116.52	63.624		
15,000.00	7,090.22	6,649.04	6,406.02	231.02	33.61	74.42	1,080.12	346.09	7,508.27	7,391.72	116.55	64.422		
15,100.00	7,090.56	6,648.44	6,405.42	233.84	33.61	74.41	1,080.09	346.05	7,603.02	7,486.45	116.57	65.221		
15,200.00	7,090.91	6,647.86	6,404.84	236.67	33.61	74.40	1,080.07	346.00	7,697.90	7,581.30	116.60	66.021		
15,227.29	7,091.00	6,647.70	6,404.68	237.44	33.61	74.39	1,080.06	345.99	7,723.82	7,607.21	116.60	66.239		
15,300.00	7,091.25	6,647.28	6,404.27	239.49	33.60	73.10	1,080.04	345.96	7,793.18	7,676.56	116.62	66.824		
15,326.57	7,091.35	6,647.13	6,404.12	240.24	33.60	72.57	1,080.03	345.95	7,818.67	7,702.04	116.63	67.040		
15,400.00	7,091.60	6,646.71	6,403.70	242.30	33.60	72.56	1,080.01	345.92	7,889.24	7,772.60	116.64	67.636		
15,500.00	7,091.96	6,646.16	6,403.15	245.12	33.60	72.55	1,079.99	345.87	7,985.43	7,868.77	116.66	68.448		
15,600.00	7,092.31	6,645.61	6,402.60	247.93	33.60	72.53	1,079.96	345.83	8,081.72	7,965.03	116.69	69.261		
15,700.00	7,092.66	6,645.08	6,402.07	250.75	33.60	72.52	1,079.93	345.79	8,178.09	8,061.38	116.71	70.074		
15,800.00	7,093.01	6,644.56	6,401.56	253.56	33.59	72.51	1,079.91	345.76	8,274.55	8,157.82	116.73	70.888		
15,900.00	7,093.36	6,644.05	6,401.05	256.38	33.59	72.49	1,079.89	345.72	8,371.09	8,254.34	116.75	71.702		
16,000.00	7,093.71	6,601.00	6,358.07	259.20	33.43	71.40	1,078.17	344.03	8,469.19	8,352.57	116.62	72.624		
16,100.00	7,094.07	6,601.00	6,358.07	262.02	33.43	71.40	1,078.17	344.03	8,565.85	8,449.21	116.64	73.438		
16,200.00	7,094.42	6,601.00	6,358.07	264.84	33.43	71.40	1,078.17	344.03	8,662.59	8,545.93	116.66	74.252		
16,300.00	7,094.77	6,601.00	6,358.07	267.65	33.43	71.40	1,078.17	344.03	8,759.40	8,642.71	116.69	75.066		
16,400.00	7,095.12	6,601.00	6,358.07	270.47	33.43	71.40	1,078.17	344.03	8,856.29	8,739.57	116.71	75.881		
16,500.00	7,095.47	6,601.00	6,358.07	273.30	33.43	71.40	1,078.17	344.03	8,953.24	8,836.50	116.74	76.696		
16,600.00	7,095.82	6,601.00	6,358.07	276.12	33.43	71.40	1,078.17	344.03	9,050.26	8,933.49	116.76	77.510		
16,700.00	7,096.18	6,601.00	6,358.07	278.94	33.43	71.40	1,078.17	344.03	9,147.34	9,030.55	116.79	78.325		
16,800.00	7,096.53	6,601.00	6,358.07	281.76	33.43	71.40	1,078.17	344.03	9,244.48	9,127.67	116.81	79.140		
16,900.00	7,096.88	6,601.00	6,358.07	284.58	33.43	71.40	1,078.17	344.03	9,341.69	9,224.85	116.84	79.955		
17,000.00	7,097.23	6,601.00	6,358.07	287.41	33.43	71.40	1,078.17	344.03	9,438.95	9,322.09	116.86	80.770		
17,100.00	7,097.58	6,601.00	6,358.07	290.23	33.43	71.40	1,078.17	344.03	9,536.27	9,419.38	116.89	81.584		
17,200.00	7,097.93	6,601.00	6,358.07	293.06	33.43	71.40	1,078.17	344.03	9,633.64	9,516.73	116.91	82.399		
17,300.00	7,098.29	6,601.00	6,358.07	295.88	33.43	71.40	1,078.17	344.03	9,731.07	9,614.13	116.94	83.213		
17,400.00	7,098.64	6,601.00	6,358.07	298.71	33.43	71.40	1,078.17	344.03	9,828.55	9,711.58	116.97	84.028		
17,500.00	7,098.99	6,601.00	6,358.07	301.53	33.43	71.40	1,078.17	344.03	9,926.08	9,809.08	117.00	84.842		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.73	-557.74	506.98	753.81					
100.00	100.00	96.47	96.47	3.28	3.29	137.72	-557.29	506.77	753.29	746.72	6.57	114.620		
200.00	200.00	204.84	204.82	3.34	3.31	137.68	-555.71	506.02	751.74	745.09	6.65	113.050		
300.00	299.98	313.06	313.01	3.44	3.35	4.63	-552.98	504.73	747.34	740.55	6.80	109.944		
400.00	399.84	420.88	420.74	3.59	3.41	4.58	-549.14	502.92	738.37	731.35	7.01	105.259		
500.00	499.45	540.16	539.79	3.80	3.58	4.45	-542.35	500.44	724.13	716.73	7.40	97.830		
600.00	598.70	653.14	652.24	4.04	3.81	4.08	-531.64	498.55	703.98	696.09	7.89	89.241		
700.00	697.47	767.61	765.69	4.32	4.10	3.39	-516.45	497.51	678.29	669.82	8.47	80.117		
800.00	795.62	884.39	880.65	4.65	4.45	2.29	-496.06	496.42	646.40	637.27	9.13	70.832		
900.00	893.06	1,002.03	995.43	5.02	4.83	0.72	-470.40	494.33	607.95	598.10	9.85	61.743		
993.00	982.91	1,094.85	1,085.36	5.39	5.17	-0.88	-447.63	491.34	567.09	556.61	10.48	54.120		
1,000.00	989.65	1,101.73	1,092.02	5.42	5.19	-1.01	-445.91	491.06	563.86	553.33	10.54	53.523		
1,100.00	1,085.84	1,186.58	1,174.21	5.86	5.52	-2.68	-425.13	487.57	518.30	507.14	11.16	46.424		
1,200.00	1,182.03	1,286.36	1,270.75	6.32	5.93	-4.95	-400.47	482.21	472.22	460.33	11.88	39.741		
1,300.00	1,278.22	1,385.71	1,366.10	6.79	6.36	-7.94	-373.42	475.44	424.30	411.68	12.62	33.625		
1,400.00	1,374.42	1,466.58	1,443.24	7.28	6.73	-11.30	-349.63	470.66	376.76	363.41	13.36	28.209		
1,500.00	1,470.61	1,555.43	1,527.66	7.79	7.15	-16.18	-322.35	465.79	330.52	316.35	14.16	23.339		
1,600.00	1,566.80	1,631.92	1,600.43	8.30	7.51	-21.51	-299.11	462.11	287.37	272.32	15.04	19.102		
1,700.00	1,663.00	1,713.84	1,678.89	8.82	7.90	-28.49	-275.69	459.63	249.94	233.92	16.02	15.604		
1,800.00	1,759.19	1,802.48	1,764.24	9.34	8.32	-37.61	-251.92	456.68	217.92	200.84	17.08	12.757		
1,900.00	1,855.38	1,891.19	1,850.00	9.87	8.75	-48.58	-229.61	452.77	192.31	174.07	18.24	10.544		
2,000.00	1,951.58	1,978.11	1,933.93	10.41	9.16	-61.48	-207.38	448.64	176.43	157.01	19.43	9.081		
2,064.56	2,013.68	2,033.16	1,986.88	10.76	9.43	-70.51	-192.54	446.02	173.30	153.17	20.13	8.610 CC, ES		
2,100.00	2,047.77	2,063.59	2,016.09	10.95	9.58	-75.59	-184.15	444.56	174.23	153.77	20.47	8.513 SF		
2,200.00	2,143.96	2,148.90	2,097.90	11.49	10.01	-89.24	-160.31	440.49	186.64	165.43	21.22	8.796		
2,300.00	2,240.16	2,233.07	2,178.67	12.04	10.43	-100.64	-136.83	437.35	211.30	189.53	21.77	9.706		
2,400.00	2,336.35	2,313.21	2,255.10	12.58	10.84	-109.46	-112.88	434.85	245.87	223.67	22.20	11.077		
2,500.00	2,432.54	2,406.08	2,343.72	13.13	11.31	-117.42	-85.35	431.44	285.40	262.47	22.93	12.449		
2,600.00	2,528.74	2,489.26	2,423.30	13.69	11.74	-122.86	-61.29	428.54	327.72	304.21	23.51	13.941		
2,700.00	2,624.93	2,585.08	2,515.26	14.24	12.22	-127.73	-34.56	425.28	371.35	346.97	24.38	15.235		
2,800.00	2,721.12	2,666.95	2,593.99	14.80	12.64	-130.94	-12.23	423.08	415.88	390.86	25.02	16.625		
2,900.00	2,817.32	2,748.90	2,672.55	15.35	13.06	-133.46	11.03	421.75	462.35	436.65	25.69	17.996		
3,000.00	2,913.51	2,827.34	2,747.47	15.91	13.46	-135.49	34.21	420.21	510.57	484.24	26.33	19.392		
3,100.00	3,009.70	2,909.24	2,825.33	16.47	13.89	-137.18	59.59	419.21	560.46	533.41	27.05	20.716		
3,200.00	3,105.90	2,998.39	2,910.12	17.03	14.36	-138.78	87.10	417.67	610.66	582.74	27.92	21.871		
3,300.00	3,202.09	3,102.93	3,010.04	17.59	14.90	-140.41	117.73	415.56	659.90	630.87	29.04	22.728		
3,400.00	3,298.28	3,191.25	3,095.12	18.15	15.36	-141.62	141.36	413.81	707.05	677.17	29.88	23.665		
3,500.00	3,394.48	3,265.52	3,166.35	18.72	15.74	-142.49	162.37	412.31	755.75	725.24	30.51	24.769		
3,600.00	3,490.67	3,353.00	3,249.93	19.28	16.20	-143.42	188.12	410.22	805.73	774.37	31.36	25.692		
3,700.00	3,586.86	3,464.18	3,357.06	19.84	16.77	-144.52	217.69	407.29	853.26	820.71	32.55	26.215		
3,800.00	3,683.06	3,541.33	3,431.54	20.41	17.16	-145.30	237.52	404.00	900.70	867.46	33.24	27.097		
3,900.00	3,779.25	3,609.08	3,496.61	20.97	17.51	-145.96	256.00	400.26	949.94	916.14	33.80	28.106		
4,000.00	3,875.44	3,706.46	3,590.05	21.54	18.02	-146.82	282.87	394.77	999.63	964.84	34.79	28.732		
4,100.00	3,971.64	3,804.00	3,683.99	22.11	18.53	-147.57	308.70	390.15	1,048.22	1,012.45	35.78	29.297		
4,200.00	4,067.83	3,874.86	3,752.12	22.67	18.89	-148.03	327.93	387.26	1,097.32	1,060.92	36.40	30.142		
4,300.00	4,164.02	3,927.81	3,802.71	23.24	19.18	-148.32	343.44	385.25	1,148.31	1,111.53	36.78	31.222		
4,400.00	4,260.22	3,976.00	3,848.27	23.81	19.44	-148.54	359.05	383.46	1,201.92	1,164.85	37.07	32.425		
4,500.00	4,356.41	4,033.72	3,902.33	24.37	19.77	-148.78	379.14	381.17	1,257.68	1,220.17	37.51	33.532		
4,600.00	4,452.60	4,101.70	3,965.51	24.94	20.16	-149.03	404.02	378.05	1,315.04	1,276.93	38.12	34.501		
4,700.00	4,548.79	4,199.49	4,056.57	25.51	20.72	-149.40	439.33	373.07	1,372.24	1,333.03	39.20	35.002		
4,800.00	4,644.99	4,426.50	4,272.22	26.08	21.95	-150.34	508.89	361.54	1,425.43	1,383.39	42.03	33.914		
4,900.00	4,741.18	4,514.95	4,357.76	26.65	22.41	-150.71	531.02	357.58	1,473.18	1,430.28	42.90	34.341		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.37	4,597.42	4,437.40	27.21	22.83	-151.02	552.14	354.11	1,521.39	1,477.69	43.70	34.816		
5,100.00	4,933.57	4,675.56	4,512.78	27.78	23.23	-151.28	572.55	351.17	1,569.93	1,525.48	44.45	35.321		
5,200.00	5,029.76	4,779.33	4,612.67	28.35	23.77	-151.54	600.47	348.46	1,618.89	1,573.38	45.51	35.571		
5,300.00	5,125.95	4,871.69	4,702.07	28.92	24.24	-151.81	623.51	345.35	1,666.34	1,619.91	46.43	35.888		
5,400.00	5,222.15	4,966.34	4,774.17	29.49	24.62	-152.02	642.67	342.73	1,714.49	1,667.34	47.14	36.368		
5,500.00	5,318.34	5,027.77	4,852.70	30.06	25.04	-152.23	663.95	339.61	1,763.15	1,715.22	47.94	36.781		
5,600.00	5,414.53	5,112.28	4,934.23	30.63	25.48	-152.46	685.93	336.07	1,811.86	1,763.09	48.77	37.152		
5,700.00	5,510.73	5,176.89	4,996.39	31.20	25.82	-152.60	703.39	333.64	1,861.30	1,811.93	49.36	37.705		
5,800.00	5,606.92	5,257.68	5,068.65	31.77	27.64	-153.48	780.12	326.11	1,904.22	1,851.11	53.11	35.856		
5,900.00	5,703.11	5,352.81	5,152.97	32.34	28.54	-154.15	798.50	325.25	1,935.31	1,880.52	54.80	35.319		
6,000.00	5,799.31	5,449.08	5,249.12	32.91	28.88	-154.41	803.19	325.00	1,965.11	1,909.50	55.60	35.342		
6,100.00	5,895.50	5,545.40	5,345.30	33.48	29.15	-154.63	807.46	324.14	1,995.98	1,939.68	56.31	35.449		
6,200.00	5,991.69	5,641.56	5,441.23	34.05	29.75	-155.13	815.62	322.07	2,026.05	1,968.55	57.50	35.237		
6,300.00	6,087.89	5,737.34	5,537.03	34.62	30.21	-155.49	819.73	322.22	2,053.99	1,995.52	58.48	35.126		
6,400.00	6,184.08	5,833.39	5,632.97	35.19	30.71	-155.91	821.68	321.60	2,080.50	2,021.00	59.49	34.970		
6,500.00	6,280.27	5,929.35	5,728.92	35.77	31.08	-156.25	821.97	321.09	2,106.06	2,045.69	60.37	34.886		
6,535.30	6,314.23	6,063.35	5,863.92	35.97	31.20	-156.36	822.07	321.02	2,115.07	2,054.40	60.67	34.863		
6,550.00	6,328.40	6,077.00	5,877.87	36.05	38.56	-140.64	835.57	1,155.20	2,112.66	2,047.35	65.30	32.351		
6,600.00	6,377.01	6,126.49	5,927.38	36.31	38.59	-154.92	835.61	1,157.69	2,103.07	2,036.85	66.22	31.759		
6,650.00	6,426.00	6,175.64	5,976.91	36.54	38.64	-175.05	835.67	1,160.84	2,094.46	2,027.35	67.11	31.209		
6,700.00	6,475.08	6,224.86	6,026.39	36.73	38.63	-162.74	835.65	1,160.06	2,086.90	2,019.00	67.90	30.737		
6,750.00	6,523.94	6,273.21	6,075.87	36.90	38.56	-144.57	835.57	1,155.41	2,080.44	2,011.86	68.58	30.338		
6,800.00	6,572.28	6,321.00	6,124.87	37.05	38.56	-132.25	835.57	1,155.20	2,075.12	2,005.83	69.30	29.945		
6,850.00	6,619.81	6,369.32	6,173.79	37.19	38.37	-123.76	835.35	1,141.52	2,070.93	2,001.15	69.78	29.678		
6,900.00	6,666.23	6,415.61	6,220.75	37.32	38.22	-117.98	835.20	1,130.81	2,067.89	1,997.61	70.28	29.425		
6,950.00	6,711.25	6,460.44	6,265.71	37.46	38.04	-113.74	835.06	1,117.64	2,065.94	1,995.23	70.71	29.219		
7,000.00	6,754.60	6,503.86	6,313.69	37.61	37.83	-110.45	834.95	1,102.07	2,065.03	1,993.96	71.07	29.055		
7,021.24	6,772.44	6,521.54	6,331.69	37.68	37.73	-109.25	834.92	1,094.75	2,064.95	1,993.73	71.21	28.996		
7,050.00	6,796.01	6,545.98	6,355.70	37.77	37.58	-107.77	834.89	1,084.18	2,065.10	1,993.71	71.38	28.930		
7,100.00	6,835.22	6,584.58	6,394.72	37.94	37.38	-105.62	834.88	1,069.79	2,066.04	1,994.31	71.73	28.804		
7,150.00	6,871.99	6,621.00	6,431.49	38.12	36.63	-102.84	834.85	1,008.21	2,067.53	1,996.16	71.37	28.968		
7,200.00	6,906.10	6,656.80	6,467.63	38.34	36.31	-101.01	834.78	979.02	2,069.31	1,997.77	71.54	28.924		
7,250.00	6,937.34	6,687.34	6,498.96	38.57	36.00	-99.40	834.92	950.61	2,071.57	1,999.84	71.73	28.879		
7,300.00	6,965.51	6,715.00	6,526.85	38.84	33.96	-97.32	835.56	888.73	2,074.08	2,005.65	68.43	30.308		
7,350.00	6,990.44	6,740.00	6,551.20	39.14	34.83	-95.33	836.00	821.14	2,076.61	2,005.36	71.25	29.145		
7,400.00	7,011.97	6,761.70	6,572.77	39.47	34.68	-94.28	836.02	798.74	2,078.50	2,006.85	71.65	29.011		
7,450.00	7,029.98	6,779.89	6,590.97	39.85	34.55	-93.35	836.25	778.02	2,080.67	2,008.58	72.08	28.865		
7,500.00	7,044.34	6,794.01	6,605.39	40.26	34.43	-92.51	836.70	757.51	2,083.07	2,010.52	72.55	28.713		
7,550.00	7,054.99	6,804.00	6,615.27	40.72	34.86	-91.28	838.04	712.19	2,085.53	2,011.78	73.75	28.277		
7,600.00	7,061.83	6,811.00	6,622.72	41.21	33.97	-89.89	839.57	650.39	2,087.71	2,014.86	72.85	28.659		
7,650.00	7,064.85	6,815.04	6,626.15	41.73	33.65	-87.72	837.42	558.66	2,087.41	2,014.77	72.64	28.736		
7,661.89	7,065.00	6,816.74	6,627.84	41.86	33.63	-87.60	837.21	554.07	2,087.29	2,014.51	72.78	28.680		
7,696.55	7,065.12	6,817.76	6,628.84	42.24	33.59	-87.26	836.65	541.18	2,087.11	2,013.91	73.20	28.513		
7,700.00	7,065.13	6,818.01	6,629.09	42.28	33.58	-87.23	836.59	539.95	2,087.11	2,013.87	73.24	28.497		
7,800.00	7,065.47	6,819.22	6,630.05	43.53	33.46	-86.29	835.35	507.87	2,088.81	2,014.24	74.58	28.009		
7,900.00	7,065.82	6,820.06	6,630.84	44.94	33.27	-84.89	833.53	467.03	2,093.53	2,017.64	75.89	27.586		
8,000.00	7,066.16	6,821.77	6,632.52	46.50	33.11	-83.63	831.49	436.16	2,101.35	2,024.00	77.36	27.165		
8,100.00	7,066.50	6,823.61	6,634.19	48.19	32.95	-82.47	829.24	411.29	2,112.55	2,033.64	78.91	26.770		
8,200.00	7,066.85	6,825.94	6,636.24	50.00	32.89	-82.00	828.23	402.03	2,127.51	2,046.76	80.74	26.349		
8,300.00	7,067.19	6,828.89	6,638.88	51.91	32.80	-81.29	826.79	389.14	2,146.45	2,063.96	82.49	26.022		
8,400.00	7,067.54	6,831.57	6,641.02	53.92	32.74	-80.89	826.09	382.43	2,169.56	2,085.25	84.31	25.734		
8,500.00	7,067.88	6,833.93	6,643.55	56.01	32.70	-80.52	825.53	376.71	2,196.70	2,110.61	86.09	25.516		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	7,068.22	6,872.00	6,676.86	58.16	32.58	79.66	824.46	364.65	2,228.05	2,140.41	87.65	25.421		
8,700.00	7,068.57	6,872.00	6,676.86	60.38	32.58	79.66	824.46	364.65	2,262.70	2,173.30	89.40	25.309		
8,800.00	7,068.91	6,872.00	6,676.86	62.65	32.58	79.66	824.46	364.65	2,301.17	2,210.11	91.06	25.270		
8,900.00	7,069.25	6,872.00	6,676.86	64.97	32.58	79.66	824.46	364.65	2,343.28	2,250.66	92.62	25.299		
9,000.00	7,069.60	6,872.00	6,676.86	67.34	32.58	79.66	824.46	364.65	2,388.84	2,294.76	94.08	25.392		
9,100.00	7,069.94	6,872.00	6,676.86	69.74	32.58	79.66	824.46	364.65	2,437.65	2,342.22	95.43	25.544		
9,200.00	7,070.28	6,833.91	6,640.62	72.18	32.45	78.69	823.69	352.96	2,488.47	2,392.03	96.44	25.802		
9,300.00	7,070.63	6,826.49	6,633.49	74.65	32.43	78.50	823.60	350.90	2,542.75	2,445.18	97.56	26.063		
9,400.00	7,070.97	6,819.57	6,626.83	77.15	32.40	78.32	823.53	349.05	2,599.66	2,501.07	98.59	26.368		
9,500.00	7,071.32	6,813.10	6,620.58	79.67	32.38	78.16	823.49	347.38	2,659.06	2,559.52	99.54	26.714		
9,600.00	7,071.66	6,777.00	6,585.45	82.22	32.25	77.23	823.48	339.07	2,721.46	2,621.24	100.22	27.154		
9,700.00	7,072.00	6,777.00	6,585.45	84.78	32.25	77.23	823.48	339.07	2,785.12	2,684.06	101.05	27.560		
9,800.00	7,072.35	6,777.00	6,585.45	87.37	32.25	77.23	823.48	339.07	2,850.86	2,749.05	101.81	28.001		
9,900.00	7,072.69	6,777.00	6,585.45	89.97	32.25	77.23	823.48	339.07	2,918.55	2,816.05	102.50	28.474		
10,000.00	7,073.03	6,777.00	6,585.45	92.59	32.25	77.23	823.48	339.07	2,988.06	2,884.93	103.12	28.976		
10,100.00	7,073.38	6,777.00	6,585.45	95.22	32.25	77.23	823.48	339.07	3,059.25	2,955.56	103.69	29.504		
10,200.00	7,073.72	6,777.00	6,585.45	97.86	32.25	77.23	823.48	339.07	3,132.02	3,027.82	104.20	30.058		
10,300.00	7,074.07	6,777.00	6,585.45	100.52	32.25	77.23	823.48	339.07	3,206.26	3,101.60	104.66	30.634		
10,400.00	7,074.41	6,777.00	6,585.45	103.19	32.25	77.23	823.48	339.07	3,281.86	3,176.78	105.08	31.232		
10,500.00	7,074.75	6,777.00	6,585.45	105.87	32.25	77.23	823.48	339.07	3,358.74	3,253.28	105.46	31.849		
10,600.00	7,075.10	6,777.00	6,585.45	108.55	32.25	77.23	823.48	339.07	3,436.81	3,331.01	105.80	32.484		
10,700.00	7,075.44	6,777.00	6,585.45	111.25	32.25	77.23	823.48	339.07	3,516.00	3,409.89	106.11	33.136		
10,800.00	7,075.78	6,777.00	6,585.45	113.96	32.25	77.23	823.48	339.07	3,596.21	3,489.83	106.39	33.803		
10,900.00	7,076.13	6,777.00	6,585.45	116.67	32.25	77.23	823.48	339.07	3,677.40	3,570.77	106.64	34.485		
11,000.00	7,076.47	6,777.00	6,585.45	119.39	32.25	77.23	823.48	339.07	3,759.50	3,652.64	106.86	35.181		
11,100.00	7,076.81	6,777.00	6,585.45	122.11	32.25	77.23	823.48	339.07	3,842.44	3,735.38	107.07	35.888		
11,200.00	7,077.16	6,777.00	6,585.45	124.85	32.25	77.23	823.48	339.07	3,926.18	3,818.93	107.25	36.608		
11,300.00	7,077.50	6,737.39	6,546.49	127.58	32.11	76.21	823.61	331.99	4,009.58	3,902.28	107.30	37.369		
11,400.00	7,077.85	6,734.80	6,543.92	130.33	32.10	76.14	823.61	331.60	4,094.61	3,987.17	107.44	38.111		
11,500.00	7,078.19	6,732.33	6,541.48	133.08	32.09	76.08	823.61	331.24	4,180.29	4,072.72	107.57	38.861		
11,600.00	7,078.53	6,729.98	6,539.15	135.83	32.09	76.01	823.60	330.91	4,266.59	4,158.91	107.69	39.620		
11,700.00	7,078.88	6,727.73	6,536.93	138.59	32.08	75.96	823.60	330.59	4,353.47	4,245.68	107.79	40.387		
11,800.00	7,079.22	6,725.59	6,534.80	141.35	32.07	75.90	823.60	330.30	4,440.90	4,333.01	107.89	41.162		
11,900.00	7,079.56	6,723.53	6,532.77	144.11	32.06	75.85	823.60	330.03	4,528.84	4,420.86	107.97	41.943		
12,000.00	7,079.91	6,721.57	6,530.82	146.88	32.06	75.80	823.59	329.77	4,617.26	4,509.21	108.05	42.732		
12,100.00	7,080.25	6,682.00	6,491.46	149.66	31.92	74.78	823.40	325.76	4,707.15	4,599.16	107.99	43.589		
12,200.00	7,080.60	6,682.00	6,491.46	152.43	31.92	74.78	823.40	325.76	4,796.37	4,688.31	108.06	44.386		
12,300.00	7,080.94	6,682.00	6,491.46	155.21	31.92	74.78	823.40	325.76	4,886.02	4,777.89	108.13	45.188		
12,400.00	7,081.28	6,682.00	6,491.46	157.99	31.92	74.78	823.40	325.76	4,976.05	4,867.87	108.18	45.996		
12,500.00	7,081.63	6,682.00	6,491.46	160.78	31.92	74.78	823.40	325.76	5,066.46	4,958.23	108.24	46.809		
12,600.00	7,081.97	6,682.00	6,491.46	163.57	31.92	74.78	823.40	325.76	5,157.22	5,048.94	108.28	47.627		
12,700.00	7,082.31	6,682.00	6,491.46	166.36	31.92	74.78	823.40	325.76	5,248.32	5,140.00	108.33	48.449		
12,800.00	7,082.66	6,682.00	6,491.46	169.15	31.92	74.78	823.40	325.76	5,339.74	5,231.38	108.36	49.276		
12,900.00	7,083.00	6,682.00	6,491.46	171.94	31.92	74.78	823.40	325.76	5,431.46	5,323.06	108.40	50.106		
13,000.00	7,083.35	6,682.00	6,491.46	174.74	31.92	74.78	823.40	325.76	5,523.47	5,415.04	108.43	50.940		
13,100.00	7,083.69	6,682.00	6,491.46	177.54	31.92	74.78	823.40	325.76	5,615.75	5,507.29	108.46	51.777		
13,200.00	7,084.03	6,682.00	6,491.46	180.34	31.92	74.78	823.40	325.76	5,708.29	5,599.81	108.49	52.617		
13,300.00	7,084.38	6,682.00	6,491.46	183.14	31.92	74.78	823.40	325.76	5,801.08	5,692.57	108.51	53.461		
13,400.00	7,084.72	6,682.00	6,491.46	185.95	31.92	74.78	823.40	325.76	5,894.11	5,785.57	108.53	54.307		
13,500.00	7,085.06	6,682.00	6,491.46	188.76	31.92	74.78	823.40	325.76	5,987.35	5,878.80	108.55	55.156		
13,600.00	7,085.41	6,682.00	6,491.46	191.56	31.92	74.78	823.40	325.76	6,080.82	5,972.25	108.57	56.007		
13,700.00	7,085.75	6,682.00	6,491.46	194.37	31.92	74.78	823.40	325.76	6,174.49	6,065.90	108.59	56.861		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 437-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,086.09	6,682.00	6,491.46	197.18	31.92	74.78	823.40	325.76	6,268.35	6,159.75	108.61	57.717		
13,900.00	7,086.44	6,682.00	6,491.46	200.00	31.92	74.78	823.40	325.76	6,362.40	6,253.78	108.62	58.575		
14,000.00	7,086.78	6,682.00	6,491.46	202.81	31.92	74.78	823.40	325.76	6,456.63	6,348.00	108.63	59.435		
14,100.00	7,087.13	6,682.00	6,491.46	205.63	31.92	74.78	823.40	325.76	6,551.03	6,442.39	108.65	60.296		
14,200.00	7,087.47	6,682.00	6,491.46	208.44	31.92	74.78	823.40	325.76	6,645.60	6,536.94	108.66	61.160		
14,300.00	7,087.81	6,682.00	6,491.46	211.26	31.92	74.78	823.40	325.76	6,740.32	6,631.65	108.67	62.024		
14,400.00	7,088.16	6,682.00	6,491.46	214.08	31.92	74.78	823.40	325.76	6,835.19	6,726.51	108.68	62.891		
14,500.00	7,088.50	6,682.00	6,491.46	216.90	31.92	74.78	823.40	325.76	6,930.21	6,821.51	108.70	63.758		
14,600.00	7,088.84	6,682.00	6,491.46	219.72	31.92	74.78	823.40	325.76	7,025.36	6,916.66	108.71	64.627		
14,700.00	7,089.19	6,682.00	6,491.46	222.54	31.92	74.78	823.40	325.76	7,120.65	7,011.93	108.72	65.497		
14,800.00	7,089.53	6,682.00	6,491.46	225.37	31.92	74.78	823.40	325.76	7,216.07	7,107.34	108.73	66.368		
14,900.00	7,089.88	6,682.00	6,491.46	228.19	31.92	74.78	823.40	325.76	7,311.60	7,202.87	108.74	67.240		
15,000.00	7,090.22	6,682.00	6,491.46	231.02	31.92	74.78	823.40	325.76	7,407.26	7,298.51	108.75	68.113		
15,100.00	7,090.56	6,682.00	6,491.46	233.84	31.92	74.78	823.40	325.76	7,503.03	7,394.27	108.76	68.986		
15,200.00	7,090.91	6,682.00	6,491.46	236.67	31.92	74.78	823.40	325.76	7,598.91	7,490.13	108.77	69.861		
15,227.29	7,091.00	6,682.00	6,491.46	237.44	31.92	74.78	823.40	325.76	7,625.09	7,516.31	108.78	70.100		
15,300.00	7,091.25	6,682.00	6,491.46	239.49	31.92	73.36	823.40	325.76	7,695.13	7,586.35	108.78	70.738		
15,326.57	7,091.35	6,682.00	6,491.46	240.24	31.92	72.77	823.40	325.76	7,720.85	7,612.06	108.79	70.972		
15,400.00	7,091.60	6,682.00	6,491.46	242.30	31.92	72.77	823.40	325.76	7,792.05	7,683.25	108.80	71.621		
15,500.00	7,091.96	6,682.00	6,491.46	245.12	31.92	72.77	823.40	325.76	7,889.07	7,780.26	108.81	72.504		
15,600.00	7,092.31	6,682.00	6,491.46	247.93	31.92	72.77	823.40	325.76	7,986.16	7,877.34	108.82	73.388		
15,700.00	7,092.66	6,682.00	6,491.46	250.75	31.92	72.77	823.40	325.76	8,083.33	7,974.50	108.83	74.272		
15,800.00	7,093.01	6,682.00	6,491.46	253.56	31.92	72.77	823.40	325.76	8,180.56	8,071.72	108.85	75.156		
15,900.00	7,093.36	6,682.00	6,491.46	256.38	31.92	72.77	823.40	325.76	8,277.86	8,169.00	108.86	76.040		
16,000.00	7,093.71	6,682.00	6,491.46	259.20	31.92	72.77	823.40	325.76	8,375.23	8,266.35	108.88	76.924		
16,100.00	7,094.07	6,682.00	6,491.46	262.02	31.92	72.77	823.40	325.76	8,472.65	8,363.76	108.89	77.808		
16,200.00	7,094.42	6,682.00	6,491.46	264.84	31.92	72.77	823.40	325.76	8,570.14	8,461.23	108.91	78.691		
16,300.00	7,094.77	6,682.00	6,491.46	267.65	31.92	72.77	823.40	325.76	8,667.68	8,558.76	108.92	79.575		
16,400.00	7,095.12	6,682.00	6,491.46	270.47	31.92	72.77	823.40	325.76	8,765.28	8,656.34	108.94	80.458		
16,500.00	7,095.47	6,682.00	6,491.46	273.30	31.92	72.77	823.40	325.76	8,862.93	8,753.97	108.96	81.341		
16,600.00	7,095.82	6,682.00	6,491.46	276.12	31.92	72.77	823.40	325.76	8,960.63	8,851.65	108.98	82.224		
16,700.00	7,096.18	6,682.00	6,491.46	278.94	31.92	72.77	823.40	325.76	9,058.39	8,949.39	109.00	83.106		
16,800.00	7,096.53	6,682.00	6,491.46	281.76	31.92	72.77	823.40	325.76	9,156.19	9,047.17	109.02	83.989		
16,900.00	7,096.88	6,682.00	6,491.46	284.58	31.92	72.77	823.40	325.76	9,254.04	9,145.00	109.04	84.870		
17,000.00	7,097.23	6,682.00	6,491.46	287.41	31.92	72.77	823.40	325.76	9,351.93	9,242.87	109.06	85.752		
17,100.00	7,097.58	6,682.00	6,491.46	290.23	31.92	72.77	823.40	325.76	9,449.87	9,340.79	109.08	86.633		
17,200.00	7,097.93	6,682.00	6,491.46	293.06	31.92	72.77	823.40	325.76	9,547.85	9,438.75	109.10	87.513		
17,300.00	7,098.29	6,682.00	6,491.46	295.88	31.92	72.77	823.40	325.76	9,645.87	9,536.75	109.13	88.393		
17,400.00	7,098.64	6,682.00	6,491.46	298.71	31.92	72.77	823.40	325.76	9,743.93	9,634.78	109.15	89.272		
17,500.00	7,098.99	6,682.00	6,491.46	301.53	31.92	72.77	823.40	325.76	9,842.03	9,732.86	109.17	90.151		
17,600.00	7,099.34	6,682.00	6,491.46	304.36	31.92	72.77	823.40	325.76	9,940.17	9,830.98	109.20	91.029		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	144.07	-698.00	505.88	862.11					
100.00	100.00	89.54	89.54	3.28	3.29	144.08	-698.13	505.66	862.01	855.44	6.57	131.193		
200.00	200.00	190.43	190.42	3.34	3.31	144.14	-698.55	504.89	861.91	855.26	6.65	129.594		
300.00	299.98	282.28	282.27	3.44	3.39	11.23	-699.05	504.02	860.12	853.28	6.84	125.825		
400.00	399.84	353.00	352.96	3.59	3.49	11.37	-701.11	504.09	857.43	850.34	7.09	120.893		
500.00	499.45	434.54	434.34	3.80	3.63	11.65	-706.05	504.46	854.09	846.65	7.44	114.775		
600.00	598.70	510.90	510.39	4.04	3.78	12.04	-712.94	504.83	849.82	841.96	7.86	108.121		
700.00	697.47	591.84	590.78	4.32	3.98	12.53	-722.22	506.14	844.82	836.47	8.35	101.216		
800.00	795.62	673.24	671.40	4.65	4.20	13.14	-733.35	507.54	838.48	829.59	8.89	94.312		
900.00	893.06	751.28	748.33	5.02	4.43	13.89	-746.36	508.65	831.24	821.77	9.48	87.693		
993.00	982.91	822.18	817.78	5.39	4.67	14.75	-760.63	509.10	824.03	813.97	10.06	81.896		
1,000.00	989.65	828.09	823.55	5.42	4.69	14.82	-761.92	509.11	823.48	813.37	10.11	81.443		
1,100.00	1,085.84	912.31	905.44	5.86	5.00	16.00	-781.56	508.61	816.71	805.92	10.79	75.692		
1,200.00	1,182.03	992.70	982.98	6.32	5.32	17.30	-802.69	506.82	812.31	800.82	11.49	70.668		
1,300.00	1,278.22	1,080.32	1,066.84	6.79	5.69	18.86	-827.89	503.86	810.29	798.04	12.25	66.148		
1,383.99	1,359.02	1,157.32	1,140.37	7.20	6.04	20.24	-850.61	501.39	809.82	796.91	12.92	62.702 CC		
1,400.00	1,374.42	1,172.12	1,154.49	7.28	6.10	20.51	-855.04	500.87	809.84	796.79	13.04	62.082		
1,500.00	1,470.61	1,268.34	1,246.21	7.79	6.55	22.27	-883.93	497.55	810.55	796.67	13.88	58.395 ES		
1,600.00	1,566.80	1,359.18	1,332.81	8.30	6.99	23.90	-911.23	494.80	812.27	797.55	14.71	55.203		
1,700.00	1,663.00	1,455.95	1,424.67	8.82	7.48	25.73	-941.34	490.69	815.41	799.81	15.59	52.289		
1,800.00	1,759.19	1,554.13	1,517.62	9.34	7.98	27.73	-972.27	484.16	819.14	802.64	16.50	49.642		
1,900.00	1,855.38	1,655.36	1,613.51	9.87	8.51	29.81	-1,003.90	476.85	823.53	806.09	17.44	47.220		
2,000.00	1,951.58	1,751.76	1,705.11	10.41	9.02	31.71	-1,033.29	470.58	828.35	809.99	18.36	45.106		
2,100.00	2,047.77	1,867.56	1,815.49	10.95	9.63	33.89	-1,067.65	463.96	833.55	814.14	19.41	42.943		
2,200.00	2,143.96	1,972.65	1,916.40	11.49	10.17	35.77	-1,096.47	458.65	837.42	817.02	20.40	41.048		
2,300.00	2,240.16	2,078.05	2,017.95	12.04	10.72	37.58	-1,124.32	454.05	841.18	819.78	21.40	39.308		
2,400.00	2,336.35	2,182.58	2,118.97	12.58	11.26	39.35	-1,150.77	449.31	844.54	822.14	22.40	37.701		
2,500.00	2,432.54	2,272.93	2,206.32	13.13	11.73	40.87	-1,173.51	445.27	848.53	825.20	23.33	36.372		
2,600.00	2,528.74	2,358.59	2,288.81	13.69	12.18	42.27	-1,196.37	441.97	854.73	830.50	24.23	35.272		
2,700.00	2,624.93	2,471.11	2,397.49	14.24	12.77	44.04	-1,225.23	438.15	860.54	835.23	25.31	33.996		
2,800.00	2,721.12	2,560.87	2,484.21	14.80	13.24	45.42	-1,248.22	435.43	867.02	840.77	26.25	33.025		
2,900.00	2,817.32	2,648.17	2,568.38	15.35	13.70	46.67	-1,271.35	433.78	874.95	847.77	27.18	32.191		
3,000.00	2,913.51	2,733.92	2,650.68	15.91	14.16	47.91	-1,295.35	431.74	884.93	856.83	28.10	31.495		
3,100.00	3,009.70	2,838.73	2,751.38	16.47	14.73	49.43	-1,324.21	428.52	895.03	865.86	29.17	30.686		
3,200.00	3,105.90	2,921.25	2,830.48	17.03	15.18	50.66	-1,347.47	425.05	906.48	876.42	30.07	30.148		
3,300.00	3,202.09	3,014.94	2,919.99	17.59	15.69	52.03	-1,374.81	420.83	919.55	888.49	31.07	29.601		
3,400.00	3,298.28	3,128.17	3,028.64	18.15	16.31	53.64	-1,406.31	416.06	931.72	899.49	32.23	28.908		
3,500.00	3,394.48	3,215.56	3,112.45	18.72	16.79	54.85	-1,430.80	412.31	944.71	911.53	33.18	28.470		
3,600.00	3,490.67	3,324.98	3,217.32	19.28	17.39	56.33	-1,461.64	407.54	958.46	924.13	34.33	27.922		
3,700.00	3,586.86	3,425.99	3,314.72	19.84	17.93	57.61	-1,488.16	404.24	970.48	935.08	35.40	27.415		
3,800.00	3,683.06	3,522.50	3,407.47	20.41	18.46	58.83	-1,514.59	400.44	984.25	947.81	36.44	27.011		
3,900.00	3,779.25	3,626.62	3,507.88	20.97	19.02	60.07	-1,541.95	397.34	997.11	959.56	37.54	26.559		
4,000.00	3,875.44	3,715.65	3,593.62	21.54	19.50	61.06	-1,565.85	395.45	1,010.72	972.20	38.52	26.237		
4,100.00	3,971.64	3,799.54	3,674.17	22.11	19.96	61.96	-1,589.21	393.52	1,025.71	986.25	39.46	25.996		
4,200.00	4,067.83	3,885.26	3,756.12	22.67	20.44	62.84	-1,614.30	391.57	1,042.36	1,001.96	40.41	25.798		
4,300.00	4,164.02	3,978.53	3,845.07	23.24	20.96	63.74	-1,642.26	389.66	1,059.94	1,018.51	41.43	25.584		
4,400.00	4,260.22	4,071.77	3,933.94	23.81	21.49	64.61	-1,670.44	387.83	1,078.00	1,035.54	42.46	25.390		
4,500.00	4,356.41	4,162.65	4,020.37	24.37	22.01	65.41	-1,698.48	386.17	1,096.86	1,053.40	43.46	25.237		
4,600.00	4,452.60	4,262.26	4,115.04	24.94	22.58	66.27	-1,729.38	384.04	1,116.24	1,071.68	44.56	25.048		
4,700.00	4,548.79	4,372.10	4,219.76	25.51	23.20	67.21	-1,762.44	381.71	1,134.96	1,089.19	45.77	24.797		
4,800.00	4,644.99	4,465.43	4,308.97	26.08	23.72	68.00	-1,789.78	379.47	1,153.29	1,106.49	46.81	24.640		
4,900.00	4,741.18	4,558.53	4,397.92	26.65	24.24	68.87	-1,816.88	375.04	1,172.62	1,124.78	47.84	24.510		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,664.32	4,499.19	27.21	24.83	69.88	-1,846.93	369.36	1,191.87	1,142.86	49.01	24.317		
5,100.00	4,933.57	4,790.27	4,620.30	27.78	25.52	71.05	-1,880.90	362.91	1,210.08	1,159.70	50.37	24.022		
5,200.00	5,029.76	4,880.82	4,707.78	28.35	26.01	71.89	-1,903.88	358.60	1,226.96	1,175.57	51.39	23.877		
5,300.00	5,125.95	4,981.50	4,804.89	28.92	26.55	72.84	-1,929.72	352.57	1,244.94	1,192.44	52.50	23.714		
5,400.00	5,222.15	5,078.01	4,898.17	29.49	27.07	73.73	-1,953.83	346.86	1,262.58	1,209.02	53.57	23.570		
5,500.00	5,318.34	5,176.44	4,993.23	30.06	27.60	74.60	-1,978.82	341.49	1,280.66	1,226.00	54.66	23.431		
5,600.00	5,414.53	5,280.51	5,093.80	30.63	28.16	75.47	-2,005.04	336.28	1,298.62	1,242.82	55.80	23.272		
5,700.00	5,510.73	5,457.17	5,265.60	31.20	29.08	76.86	-2,045.74	330.90	1,314.31	1,256.79	57.52	22.849		
5,800.00	5,606.92	5,610.30	5,416.35	31.77	29.82	78.13	-2,072.48	328.94	1,324.15	1,265.24	58.91	22.478		
5,900.00	5,703.11	5,748.21	5,552.82	32.34	30.45	79.28	-2,092.29	329.05	1,331.10	1,270.96	60.13	22.136		
6,000.00	5,799.31	5,881.82	5,685.71	32.91	31.02	80.53	-2,106.10	328.33	1,335.30	1,274.02	61.29	21.788		
6,100.00	5,895.50	5,991.32	5,794.87	33.48	31.48	81.67	-2,114.40	326.33	1,338.47	1,276.11	62.35	21.465		
6,200.00	5,991.69	6,102.08	5,905.39	34.05	31.93	82.86	-2,121.28	324.35	1,340.96	1,277.54	63.42	21.145		
6,300.00	6,087.89	6,241.83	6,044.98	34.62	32.48	84.37	-2,127.63	322.83	1,342.36	1,277.86	64.50	20.813		
6,400.00	6,184.08	6,350.34	6,153.47	35.19	32.89	85.60	-2,129.58	322.36	1,341.61	1,276.08	65.52	20.475		
6,500.00	6,280.27	7,945.67	7,096.29	35.77	39.10	59.88	-2,134.89	1,168.00	1,324.20	1,274.35	49.85	26.565		
6,535.30	6,314.23	7,951.97	7,096.20	35.97	39.20	59.49	-2,135.04	1,174.29	1,298.11	1,247.17	50.95	25.480		
6,550.00	6,328.40	7,954.44	7,096.16	36.05	39.24	54.52	-2,135.10	1,176.76	1,287.35	1,235.94	51.41	25.040		
6,600.00	6,377.01	7,960.50	7,096.07	36.31	39.33	34.19	-2,135.25	1,182.82	1,250.98	1,197.99	52.99	23.610		
6,650.00	6,426.00	7,962.89	7,096.04	36.54	39.37	8.44	-2,135.31	1,185.21	1,215.23	1,160.69	54.54	22.279		
6,700.00	6,475.08	7,961.60	7,096.06	36.73	39.35	-18.72	-2,135.28	1,183.92	1,180.42	1,124.34	56.08	21.049		
6,750.00	6,523.94	7,956.62	7,096.13	36.90	39.27	-41.08	-2,135.15	1,178.94	1,146.85	1,089.27	57.58	19.917		
6,800.00	6,572.28	7,947.97	7,096.25	37.05	39.13	-57.05	-2,134.95	1,170.29	1,114.79	1,055.74	59.04	18.881		
6,850.00	6,619.81	7,935.69	7,096.43	37.19	38.94	-68.15	-2,134.66	1,158.02	1,084.48	1,024.03	60.45	17.939		
6,900.00	6,666.23	7,921.00	7,096.64	37.32	38.71	-76.08	-2,134.33	1,143.33	1,056.15	994.34	61.80	17.088		
6,950.00	6,711.25	7,906.06	7,096.86	37.46	38.49	-81.98	-2,134.05	1,128.40	1,030.01	966.89	63.12	16.317		
7,000.00	6,754.60	7,889.43	7,097.12	37.61	38.25	-86.40	-2,133.86	1,111.77	1,006.30	941.93	64.37	15.634		
7,050.00	6,796.01	7,870.36	7,097.42	37.77	37.98	-89.70	-2,133.80	1,092.70	985.15	919.64	65.51	15.037		
7,100.00	6,835.22	7,848.95	7,097.76	37.94	37.67	-92.12	-2,133.94	1,071.29	966.68	900.12	66.56	14.524		
7,150.00	6,871.99	7,824.83	7,098.16	38.12	37.32	-93.84	-2,134.34	1,047.18	950.93	883.45	67.48	14.091		
7,200.00	6,906.10	7,780.66	7,098.76	38.34	36.76	-94.30	-2,135.15	1,003.02	937.54	869.31	68.24	13.740		
7,250.00	6,937.34	7,734.01	7,099.07	38.57	36.20	-94.41	-2,135.68	956.37	926.05	857.17	68.87	13.445		
7,300.00	6,965.51	7,690.33	7,099.14	38.84	35.99	-94.44	-2,135.97	912.70	916.37	846.86	69.51	13.184		
7,350.00	6,990.44	7,645.61	7,099.04	39.14	35.98	-94.31	-2,136.17	867.98	908.44	838.41	70.03	12.972		
7,400.00	7,011.97	7,594.40	7,098.32	39.47	35.98	-93.90	-2,136.26	816.77	902.01	831.44	70.57	12.782		
7,450.00	7,029.98	7,543.22	7,096.11	39.85	35.98	-93.41	-2,136.15	765.64	896.79	825.73	71.06	12.620		
7,500.00	7,044.34	7,456.95	7,087.87	40.26	35.97	-92.04	-2,134.17	679.82	891.80	820.13	71.67	12.443		
7,550.00	7,054.99	7,395.80	7,077.70	40.72	35.95	-91.22	-2,130.86	619.63	886.38	814.09	72.29	12.262		
7,600.00	7,061.83	7,361.61	7,067.74	41.21	35.92	-90.76	-2,129.33	586.99	882.42	809.51	72.91	12.104		
7,650.00	7,064.85	7,329.90	7,054.99	41.73	35.90	-90.05	-2,128.47	557.99	880.40	806.89	73.51	11.977		
7,661.89	7,065.00	7,320.00	7,050.34	41.86	35.89	-89.76	-2,128.31	549.25	880.23	806.56	73.67	11.949		
7,684.36	7,065.08	7,307.13	7,043.84	42.11	35.87	-89.33	-2,128.15	538.14	880.11	806.16	73.95	11.902		
7,700.00	7,065.13	7,296.47	7,038.06	42.28	35.85	-88.96	-2,128.05	529.18	880.17	806.01	74.16	11.869		
7,800.00	7,065.47	7,240.08	7,002.10	43.53	35.75	-86.61	-2,127.94	485.88	883.94	808.45	75.49	11.709		
7,900.00	7,065.82	7,187.43	6,961.95	44.94	35.64	-84.01	-2,128.21	451.86	894.84	818.02	76.82	11.649 SF		
8,000.00	7,066.16	7,147.78	6,929.56	46.50	35.53	-81.93	-2,128.28	429.00	913.31	835.32	77.98	11.712		
8,100.00	7,066.50	7,117.90	6,904.23	48.19	35.46	-80.32	-2,128.65	413.16	940.15	861.15	78.99	11.902		
8,200.00	7,066.85	7,074.00	6,865.74	50.00	35.34	-77.92	-2,129.78	392.11	975.42	895.55	79.87	12.212		
8,300.00	7,067.19	7,074.00	6,865.74	51.91	35.34	-77.92	-2,129.78	392.11	1,017.59	937.05	80.54	12.634		
8,400.00	7,067.54	7,043.69	6,838.37	53.92	35.25	-76.25	-2,130.73	379.13	1,066.74	985.63	81.11	13.152		
8,500.00	7,067.88	7,022.47	6,818.86	56.01	35.19	-75.07	-2,131.30	370.81	1,121.85	1,040.33	81.52	13.761		
8,600.00	7,068.22	7,004.20	6,801.84	58.16	35.13	-74.05	-2,131.73	364.16	1,182.24	1,100.42	81.82	14.449		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,979.00	6,778.09	60.38	35.06	-72.65	-2,132.24	355.77	1,247.33	1,165.31	82.01	15.209		
8,800.00	7,068.91	6,979.00	6,778.09	62.65	35.06	-72.65	-2,132.24	355.77	1,316.31	1,234.16	82.15	16.023		
8,900.00	7,069.25	6,979.00	6,778.09	64.97	35.06	-72.65	-2,132.24	355.77	1,389.07	1,306.84	82.23	16.893		
9,000.00	7,069.60	6,951.95	6,752.25	67.34	34.97	-71.14	-2,132.68	347.80	1,464.37	1,382.12	82.25	17.805		
9,100.00	7,069.94	6,942.42	6,743.07	69.74	34.94	-70.61	-2,132.82	345.25	1,542.53	1,460.29	82.24	18.756		
9,200.00	7,070.28	6,933.85	6,734.78	72.18	34.91	-70.14	-2,132.93	343.07	1,622.94	1,540.73	82.21	19.741		
9,300.00	7,070.63	6,926.09	6,727.25	74.65	34.89	-69.71	-2,133.03	341.19	1,705.31	1,623.15	82.16	20.756		
9,400.00	7,070.97	6,919.03	6,720.38	77.15	34.87	-69.32	-2,133.11	339.57	1,789.38	1,707.28	82.10	21.795		
9,500.00	7,071.32	6,886.00	6,688.03	79.67	34.76	-67.52	-2,133.42	332.95	1,875.59	1,793.57	82.01	22.870		
9,600.00	7,071.66	6,886.00	6,688.03	82.22	34.76	-67.52	-2,133.42	332.95	1,962.18	1,880.23	81.95	23.944		
9,700.00	7,072.00	6,886.00	6,688.03	84.78	34.76	-67.52	-2,133.42	332.95	2,050.00	1,968.12	81.88	25.037		
9,800.00	7,072.35	6,886.00	6,688.03	87.37	34.76	-67.52	-2,133.42	332.95	2,138.89	2,057.08	81.81	26.145		
9,900.00	7,072.69	6,886.00	6,688.03	89.97	34.76	-67.52	-2,133.42	332.95	2,228.72	2,146.98	81.73	27.268		
10,000.00	7,073.03	6,886.00	6,688.03	92.59	34.76	-67.52	-2,133.42	332.95	2,319.38	2,237.72	81.66	28.402		
10,100.00	7,073.38	6,886.00	6,688.03	95.22	34.76	-67.52	-2,133.42	332.95	2,410.78	2,329.19	81.59	29.548		
10,200.00	7,073.72	6,886.00	6,688.03	97.86	34.76	-67.52	-2,133.42	332.95	2,502.84	2,421.32	81.52	30.702		
10,300.00	7,074.07	6,886.00	6,688.03	100.52	34.76	-67.52	-2,133.42	332.95	2,595.49	2,514.04	81.45	31.865		
10,400.00	7,074.41	6,886.00	6,688.03	103.19	34.76	-67.52	-2,133.42	332.95	2,688.66	2,607.27	81.39	33.035		
10,500.00	7,074.75	6,857.85	6,660.26	105.87	34.66	-66.01	-2,133.46	328.34	2,781.90	2,700.57	81.33	34.206		
10,600.00	7,075.10	6,852.80	6,655.26	108.55	34.65	-65.74	-2,133.43	327.59	2,875.82	2,794.55	81.27	35.386		
10,700.00	7,075.44	6,848.03	6,650.54	111.25	34.63	-65.48	-2,133.40	326.89	2,970.11	2,888.90	81.22	36.570		
10,800.00	7,075.78	6,843.52	6,646.08	113.96	34.62	-65.24	-2,133.35	326.26	3,064.75	2,983.58	81.17	37.759		
10,900.00	7,076.13	6,839.25	6,641.85	116.67	34.60	-65.02	-2,133.30	325.67	3,159.69	3,078.57	81.12	38.951		
11,000.00	7,076.47	6,835.20	6,637.83	119.39	34.59	-64.80	-2,133.24	325.12	3,254.92	3,173.84	81.08	40.147		
11,100.00	7,076.81	6,831.35	6,634.02	122.11	34.57	-64.60	-2,133.18	324.62	3,350.41	3,269.38	81.03	41.346		
11,200.00	7,077.16	6,827.69	6,630.39	124.85	34.56	-64.41	-2,133.12	324.15	3,446.15	3,365.15	81.00	42.547		
11,300.00	7,077.50	6,824.21	6,626.94	127.58	34.55	-64.22	-2,133.05	323.72	3,542.11	3,461.14	80.96	43.750		
11,400.00	7,077.85	6,792.00	6,594.94	130.33	34.44	-62.55	-2,132.19	320.19	3,638.68	3,557.77	80.91	44.971		
11,500.00	7,078.19	6,792.00	6,594.94	133.08	34.44	-62.55	-2,132.19	320.19	3,734.95	3,654.07	80.89	46.176		
11,600.00	7,078.53	6,792.00	6,594.94	135.83	34.44	-62.55	-2,132.19	320.19	3,831.41	3,750.55	80.86	47.382		
11,700.00	7,078.88	6,792.00	6,594.94	138.59	34.44	-62.55	-2,132.19	320.19	3,928.05	3,847.21	80.84	48.590		
11,800.00	7,079.22	6,792.00	6,594.94	141.35	34.44	-62.55	-2,132.19	320.19	4,024.85	3,944.03	80.82	49.799		
11,900.00	7,079.56	6,792.00	6,594.94	144.11	34.44	-62.55	-2,132.19	320.19	4,121.81	4,041.00	80.81	51.008		
12,000.00	7,079.91	6,792.00	6,594.94	146.88	34.44	-62.55	-2,132.19	320.19	4,218.90	4,138.11	80.79	52.219		
12,100.00	7,080.25	6,792.00	6,594.94	149.66	34.44	-62.55	-2,132.19	320.19	4,316.13	4,235.35	80.78	53.430		
12,200.00	7,080.60	6,792.00	6,594.94	152.43	34.44	-62.55	-2,132.19	320.19	4,413.49	4,332.71	80.77	54.642		
12,300.00	7,080.94	6,792.00	6,594.94	155.21	34.44	-62.55	-2,132.19	320.19	4,510.95	4,430.19	80.76	55.853		
12,400.00	7,081.28	6,792.00	6,594.94	157.99	34.44	-62.55	-2,132.19	320.19	4,608.53	4,527.77	80.76	57.065		
12,500.00	7,081.63	6,792.00	6,594.94	160.78	34.44	-62.55	-2,132.19	320.19	4,706.21	4,625.45	80.76	58.277		
12,600.00	7,081.97	6,792.00	6,594.94	163.57	34.44	-62.55	-2,132.19	320.19	4,803.98	4,723.23	80.76	59.488		
12,700.00	7,082.31	6,792.00	6,594.94	166.36	34.44	-62.55	-2,132.19	320.19	4,901.85	4,821.09	80.76	60.699		
12,800.00	7,082.66	6,792.00	6,594.94	169.15	34.44	-62.55	-2,132.19	320.19	4,999.80	4,919.04	80.76	61.910		
12,900.00	7,083.00	6,792.00	6,594.94	171.94	34.44	-62.55	-2,132.19	320.19	5,097.83	5,017.06	80.76	63.119		
13,000.00	7,083.35	6,792.00	6,594.94	174.74	34.44	-62.55	-2,132.19	320.19	5,195.93	5,115.16	80.77	64.329		
13,100.00	7,083.69	6,792.00	6,594.94	177.54	34.44	-62.55	-2,132.19	320.19	5,294.10	5,213.32	80.78	65.537		
13,200.00	7,084.03	6,792.00	6,594.94	180.34	34.44	-62.55	-2,132.19	320.19	5,392.35	5,311.56	80.79	66.745		
13,300.00	7,084.38	6,792.00	6,594.94	183.14	34.44	-62.55	-2,132.19	320.19	5,490.65	5,409.85	80.80	67.951		
13,400.00	7,084.72	6,792.00	6,594.94	185.95	34.44	-62.55	-2,132.19	320.19	5,589.02	5,508.20	80.82	69.157		
13,500.00	7,085.06	6,792.00	6,594.94	188.76	34.44	-62.55	-2,132.19	320.19	5,687.44	5,606.61	80.83	70.361		
13,600.00	7,085.41	6,792.00	6,594.94	191.56	34.44	-62.55	-2,132.19	320.19	5,785.91	5,705.07	80.85	71.565		
13,700.00	7,085.75	6,792.00	6,594.94	194.37	34.44	-62.55	-2,132.19	320.19	5,884.44	5,803.57	80.87	72.766		
13,800.00	7,086.09	6,792.00	6,594.94	197.18	34.44	-62.55	-2,132.19	320.19	5,983.02	5,902.13	80.89	73.967		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,792.00	6,594.94	200.00	34.44	-62.55	-2,132.19	320.19	6,081.64	6,000.73	80.91	75.166		
14,000.00	7,086.78	6,792.00	6,594.94	202.81	34.44	-62.55	-2,132.19	320.19	6,180.31	6,099.38	80.93	76.364		
14,100.00	7,087.13	6,792.00	6,594.94	205.63	34.44	-62.55	-2,132.19	320.19	6,279.02	6,198.06	80.96	77.560		
14,200.00	7,087.47	6,792.00	6,594.94	208.44	34.44	-62.55	-2,132.19	320.19	6,377.77	6,296.79	80.98	78.754		
14,300.00	7,087.81	6,792.00	6,594.94	211.26	34.44	-62.55	-2,132.19	320.19	6,476.56	6,395.55	81.01	79.947		
14,400.00	7,088.16	6,792.00	6,594.94	214.08	34.44	-62.55	-2,132.19	320.19	6,575.38	6,494.34	81.04	81.138		
14,500.00	7,088.50	6,792.00	6,594.94	216.90	34.44	-62.55	-2,132.19	320.19	6,674.24	6,593.17	81.07	82.328		
14,600.00	7,088.84	6,792.00	6,594.94	219.72	34.44	-62.55	-2,132.19	320.19	6,773.13	6,692.03	81.10	83.515		
14,700.00	7,089.19	6,792.00	6,594.94	222.54	34.44	-62.55	-2,132.19	320.19	6,872.06	6,790.93	81.13	84.701		
14,800.00	7,089.53	6,792.00	6,594.94	225.37	34.44	-62.55	-2,132.19	320.19	6,971.02	6,889.85	81.17	85.884		
14,900.00	7,089.88	6,792.00	6,594.94	228.19	34.44	-62.55	-2,132.19	320.19	7,070.00	6,988.80	81.20	87.066		
15,000.00	7,090.22	6,792.00	6,594.94	231.02	34.44	-62.55	-2,132.19	320.19	7,169.01	7,087.77	81.24	88.246		
15,100.00	7,090.56	6,792.00	6,594.94	233.84	34.44	-62.55	-2,132.19	320.19	7,268.05	7,186.78	81.28	89.423		
15,200.00	7,090.91	6,792.00	6,594.94	236.67	34.44	-62.55	-2,132.19	320.19	7,367.12	7,285.80	81.32	90.599		
15,227.29	7,091.00	6,792.00	6,594.94	237.44	34.44	-62.55	-2,132.19	320.19	7,394.16	7,312.83	81.33	90.919		
15,300.00	7,091.25	6,792.00	6,594.94	239.49	34.44	-66.79	-2,132.19	320.19	7,466.10	7,384.74	81.35	91.772		
15,326.57	7,091.35	6,792.00	6,594.94	240.24	34.44	-68.05	-2,132.19	320.19	7,492.32	7,410.96	81.36	92.084		
15,400.00	7,091.60	6,792.00	6,594.94	242.30	34.44	-68.05	-2,132.19	320.19	7,564.77	7,483.38	81.39	92.944		
15,500.00	7,091.96	6,792.00	6,594.94	245.12	34.44	-68.05	-2,132.19	320.19	7,663.45	7,582.03	81.43	94.112		
15,600.00	7,092.31	6,792.00	6,594.94	247.93	34.44	-68.05	-2,132.19	320.19	7,762.18	7,680.71	81.47	95.279		
15,700.00	7,092.66	6,792.00	6,594.94	250.75	34.44	-68.05	-2,132.19	320.19	7,860.93	7,779.42	81.51	96.443		
15,800.00	7,093.01	6,792.00	6,594.94	253.56	34.44	-68.05	-2,132.19	320.19	7,959.72	7,878.16	81.55	97.605		
15,900.00	7,093.36	6,792.00	6,594.94	256.38	34.44	-68.05	-2,132.19	320.19	8,058.53	7,976.94	81.59	98.764		
16,000.00	7,093.71	6,792.00	6,594.94	259.20	34.44	-68.05	-2,132.19	320.19	8,157.37	8,075.74	81.64	99.922		
16,100.00	7,094.07	6,792.00	6,594.94	262.02	34.44	-68.05	-2,132.19	320.19	8,256.25	8,174.56	81.68	101.077		
16,200.00	7,094.42	6,792.00	6,594.94	264.84	34.44	-68.05	-2,132.19	320.19	8,355.14	8,273.42	81.73	102.230		
16,300.00	7,094.77	6,792.00	6,594.94	267.65	34.44	-68.05	-2,132.19	320.19	8,454.07	8,372.29	81.78	103.380		
16,400.00	7,095.12	6,792.00	6,594.94	270.47	34.44	-68.05	-2,132.19	320.19	8,553.02	8,471.19	81.83	104.528		
16,500.00	7,095.47	6,792.00	6,594.94	273.30	34.44	-68.05	-2,132.19	320.19	8,651.99	8,570.12	81.87	105.673		
16,600.00	7,095.82	6,792.00	6,594.94	276.12	34.44	-68.05	-2,132.19	320.19	8,750.99	8,669.06	81.93	106.816		
16,700.00	7,096.18	6,792.00	6,594.94	278.94	34.44	-68.05	-2,132.19	320.19	8,850.01	8,768.03	81.98	107.957		
16,800.00	7,096.53	6,792.00	6,594.94	281.76	34.44	-68.05	-2,132.19	320.19	8,949.05	8,867.02	82.03	109.094		
16,900.00	7,096.88	6,792.00	6,594.94	284.58	34.44	-68.05	-2,132.19	320.19	9,048.11	8,966.03	82.08	110.230		
17,000.00	7,097.23	6,792.00	6,594.94	287.41	34.44	-68.05	-2,132.19	320.19	9,147.20	9,065.06	82.14	111.362		
17,100.00	7,097.58	6,792.00	6,594.94	290.23	34.44	-68.05	-2,132.19	320.19	9,246.30	9,164.10	82.20	112.492		
17,200.00	7,097.93	6,792.00	6,594.94	293.06	34.44	-68.05	-2,132.19	320.19	9,345.42	9,263.17	82.25	113.619		
17,300.00	7,098.29	6,792.00	6,594.94	295.88	34.44	-68.05	-2,132.19	320.19	9,444.56	9,362.25	82.31	114.744		
17,400.00	7,098.64	6,792.00	6,594.94	298.71	34.44	-68.05	-2,132.19	320.19	9,543.72	9,461.35	82.37	115.866		
17,500.00	7,098.99	6,792.00	6,594.94	301.53	34.44	-68.05	-2,132.19	320.19	9,642.89	9,560.47	82.43	116.985		
17,600.00	7,099.34	6,792.00	6,594.94	304.36	34.44	-68.05	-2,132.19	320.19	9,742.09	9,659.60	82.49	118.101		
17,700.00	7,099.69	6,792.00	6,594.94	307.19	34.44	-68.05	-2,132.19	320.19	9,841.30	9,758.74	82.55	119.214		
17,800.00	7,100.04	6,792.00	6,594.94	310.01	34.44	-68.05	-2,132.19	320.19	9,940.52	9,857.91	82.61	120.325		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	143.26	-677.97	506.15	846.14					
100.00	100.00	87.03	87.02	3.28	3.29	143.29	-678.35	505.82	846.17	839.60	6.57	128.783		
200.00	200.00	184.78	184.76	3.34	3.31	143.41	-679.67	504.64	846.54	839.90	6.64	127.431		
300.00	299.98	282.45	282.38	3.44	3.34	10.63	-681.94	502.62	845.46	838.68	6.78	124.675		
400.00	399.84	379.91	379.75	3.59	3.39	11.00	-685.15	499.76	841.25	834.27	6.98	120.476		
500.00	499.45	470.65	470.32	3.80	3.47	11.49	-689.20	496.28	834.10	826.83	7.27	114.792		
600.00	598.70	554.99	554.29	4.04	3.62	12.18	-695.70	491.79	825.37	817.72	7.66	107.811		
700.00	697.47	643.72	642.35	4.32	3.81	13.15	-704.74	485.79	814.70	806.57	8.13	100.234		
800.00	795.62	725.87	723.69	4.65	4.01	14.20	-714.82	480.12	802.56	793.91	8.65	92.728		
900.00	893.06	805.63	802.37	5.02	4.25	15.40	-726.59	474.54	789.50	780.27	9.23	85.498		
993.00	982.91	876.32	871.83	5.39	4.47	16.61	-738.83	469.75	776.92	767.11	9.81	79.197		
1,000.00	989.65	881.63	877.03	5.42	4.49	16.69	-739.82	469.42	775.98	766.12	9.86	78.721		
1,100.00	1,085.84	957.19	950.99	5.86	4.75	17.97	-754.72	465.34	764.27	753.76	10.51	72.729		
1,200.00	1,182.03	1,036.47	1,028.33	6.32	5.05	19.29	-771.95	462.61	755.81	744.60	11.21	67.449		
1,300.00	1,278.22	1,121.87	1,111.33	6.79	5.38	20.74	-791.94	460.38	749.86	737.93	11.93	62.839		
1,400.00	1,374.42	1,213.47	1,200.11	7.28	5.76	22.31	-814.39	458.39	745.76	733.04	12.71	58.655		
1,500.00	1,470.61	1,309.00	1,292.48	7.79	6.17	24.08	-838.54	455.13	742.62	729.08	13.54	54.863		
1,600.00	1,566.80	1,397.30	1,377.55	8.30	6.58	25.81	-861.88	451.18	741.01	726.66	14.35	51.628		
1,623.18	1,589.10	1,416.97	1,396.43	8.42	6.67	26.21	-867.27	450.21	740.95	726.40	14.54	50.953		
1,700.00	1,663.00	1,482.84	1,459.50	8.82	6.98	27.58	-885.95	446.65	741.68	726.50	15.17	48.877		
1,800.00	1,759.19	1,576.44	1,548.85	9.34	7.45	29.58	-913.29	441.06	744.16	728.11	16.05	46.364		
1,900.00	1,855.38	1,673.67	1,641.67	9.87	7.94	31.61	-941.73	435.69	747.82	730.86	16.96	44.095		
2,000.00	1,951.58	1,771.72	1,745.23	10.41	8.48	33.74	-972.14	430.80	751.54	733.60	17.94	41.896		
2,100.00	2,047.77	1,869.60	1,849.18	10.95	9.03	35.75	-1,000.70	426.90	754.61	735.68	18.93	39.868		
2,200.00	2,143.96	1,968.92	1,955.04	11.49	9.57	37.64	-1,027.89	424.48	757.07	737.14	19.93	37.990		
2,300.00	2,240.16	2,118.80	2,071.79	12.04	10.15	39.62	-1,055.00	422.62	758.04	737.06	20.98	36.124		
2,400.00	2,336.35	2,234.26	2,184.91	12.58	10.70	41.55	-1,077.99	420.04	756.87	734.85	22.02	34.378		
2,500.00	2,432.54	2,326.18	2,275.09	13.13	11.14	43.09	-1,095.67	418.03	755.68	732.73	22.95	32.934		
2,536.68	2,467.83	2,359.16	2,307.42	13.34	11.30	43.65	-1,102.17	417.24	755.57	732.28	23.29	32.448		
2,600.00	2,528.74	2,416.48	2,363.54	13.69	11.58	44.61	-1,113.74	415.94	755.89	732.02	23.88	31.660		
2,700.00	2,624.93	2,516.26	2,461.20	14.24	12.06	46.34	-1,133.98	413.11	757.05	732.19	24.86	30.449		
2,800.00	2,721.12	2,601.31	2,544.29	14.80	12.48	47.85	-1,151.87	409.97	759.67	733.89	25.78	29.468		
2,900.00	2,817.32	2,705.68	2,646.20	15.35	13.00	49.71	-1,174.00	405.82	763.22	736.40	26.82	28.460		
3,000.00	2,913.51	2,800.47	2,738.85	15.91	13.47	51.40	-1,193.67	401.96	767.05	739.25	27.80	27.589		
3,100.00	3,009.70	2,877.86	2,814.23	16.47	13.86	52.73	-1,210.95	399.14	773.12	744.45	28.68	26.961		
3,200.00	3,105.90	2,961.69	2,895.45	17.03	14.30	54.08	-1,231.55	396.74	781.95	752.37	29.59	26.428		
3,300.00	3,202.09	3,087.91	3,017.93	17.59	14.95	56.06	-1,261.85	393.33	790.91	760.08	30.83	25.655		
3,400.00	3,298.28	3,195.31	3,122.94	18.15	15.48	57.77	-1,284.17	390.29	797.17	765.25	31.92	24.975		
3,500.00	3,394.48	3,295.95	3,221.29	18.72	15.98	59.33	-1,305.32	387.53	804.29	771.32	32.97	24.397		
3,600.00	3,490.67	3,407.07	3,330.42	19.28	16.53	60.99	-1,326.10	385.73	809.34	775.26	34.08	23.747		
3,700.00	3,586.86	3,499.15	3,420.82	19.84	16.98	62.43	-1,343.45	383.04	815.53	780.45	35.08	23.246		
3,800.00	3,683.06	3,592.25	3,512.13	20.41	17.43	63.80	-1,361.49	380.99	822.60	786.51	36.09	22.793		
3,900.00	3,779.25	3,680.64	3,598.68	20.97	17.87	65.09	-1,379.31	378.74	831.06	793.99	37.07	22.420		
4,000.00	3,875.44	3,785.57	3,701.31	21.54	18.40	66.67	-1,400.71	374.65	840.77	802.60	38.17	22.026		
4,100.00	3,971.64	3,872.93	3,786.98	22.11	18.83	67.95	-1,417.58	371.69	849.89	810.75	39.15	21.711		
4,200.00	4,067.83	3,966.33	3,858.52	22.67	19.21	69.02	-1,433.58	368.18	862.25	822.26	39.99	21.561		
4,300.00	4,164.02	4,027.53	3,937.28	23.24	19.63	70.20	-1,452.75	363.25	877.32	836.43	40.89	21.455		
4,400.00	4,260.22	4,121.29	4,027.88	23.81	20.13	71.40	-1,476.46	358.93	893.77	851.85	41.92	21.322		
4,500.00	4,356.41	4,225.80	4,128.73	24.37	20.68	72.61	-1,503.59	355.04	910.85	867.79	43.06	21.154		
4,600.00	4,452.60	4,368.53	4,267.73	24.94	21.42	74.26	-1,535.75	351.35	924.56	880.02	44.54	20.759		
4,700.00	4,548.79	4,465.44	4,362.66	25.51	21.90	75.40	-1,555.07	349.07	936.39	890.80	45.59	20.538		
4,800.00	4,644.99	4,576.80	4,471.86	26.08	22.46	76.73	-1,576.65	345.84	948.44	901.68	46.76	20.283		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,741.18	4,665.26	4,558.70	26.65	22.89	77.78	-1,593.31	343.31	960.37	912.63	47.75	20.113		
5,000.00	4,837.37	4,746.85	4,638.59	27.21	23.30	78.71	-1,609.67	340.66	973.92	925.25	48.67	20.010		
5,100.00	4,933.57	4,862.84	4,752.06	27.78	23.89	79.96	-1,633.47	337.10	988.16	938.27	49.89	19.805		
5,200.00	5,029.76	4,951.71	4,839.10	28.35	24.33	80.87	-1,651.29	335.20	1,001.77	950.89	50.88	19.688		
5,300.00	5,125.95	5,028.11	4,913.70	28.92	24.72	81.62	-1,667.65	333.16	1,017.06	965.32	51.75	19.655		
5,400.00	5,222.15	5,117.58	5,000.76	29.49	25.19	82.47	-1,687.99	329.86	1,034.26	981.53	52.73	19.614		
5,500.00	5,318.34	5,246.06	5,126.15	30.06	25.84	83.71	-1,715.55	324.93	1,050.97	996.87	54.10	19.428		
5,600.00	5,414.53	5,413.40	5,291.47	30.63	26.63	85.49	-1,740.89	321.88	1,061.04	1,005.39	55.64	19.069		
5,700.00	5,510.73	5,548.29	5,425.73	31.20	27.22	87.21	-1,753.33	318.14	1,068.41	1,011.56	56.85	18.793		
5,800.00	5,606.92	5,665.06	5,542.26	31.77	27.71	88.75	-1,760.37	316.13	1,073.24	1,015.29	57.94	18.523		
5,900.00	5,703.11	5,774.36	5,651.43	32.34	28.15	90.26	-1,765.12	313.87	1,077.76	1,018.77	58.99	18.270		
6,000.00	5,799.31	5,905.25	5,782.28	32.91	28.67	92.10	-1,768.11	312.64	1,080.76	1,020.70	60.06	17.995		
6,100.00	5,895.50	5,991.51	5,868.52	33.48	29.01	93.26	-1,770.10	313.23	1,083.23	1,022.17	61.06	17.741		
6,200.00	5,991.69	6,098.80	5,975.76	34.05	29.43	94.65	-1,772.97	314.42	1,086.23	1,024.15	62.08	17.497		
6,300.00	6,087.89	6,188.84	6,065.77	34.62	29.78	95.83	-1,775.10	315.31	1,089.67	1,026.60	63.07	17.277		
6,400.00	6,184.08	6,289.46	6,166.36	35.19	30.18	97.14	-1,777.50	316.25	1,093.73	1,029.66	64.08	17.069		
6,500.00	6,280.27	6,381.86	6,258.74	35.77	30.54	98.37	-1,779.34	316.69	1,098.47	1,033.41	65.06	16.884		
6,535.30	6,314.23	6,419.46	6,296.33	35.97	30.69	98.87	-1,779.95	316.78	1,100.26	1,034.84	65.42	16.819		
6,550.00	6,328.40	6,435.15	6,312.02	36.05	30.75	95.68	-1,780.16	316.83	1,100.86	1,035.30	65.56	16.791		
6,600.00	6,377.01	7,821.08	7,217.26	36.31	37.13	43.81	-1,799.92	1,142.09	1,091.16	1,052.25	38.91	28.045		
6,650.00	6,426.00	7,825.63	7,217.31	36.54	37.20	14.41	-1,800.22	1,146.62	1,047.46	1,007.18	40.28	26.006		
6,700.00	6,475.08	7,825.96	7,217.32	36.73	37.20	-16.35	-1,800.24	1,146.95	1,004.06	962.38	41.68	24.090		
6,750.00	6,523.94	7,822.04	7,217.27	36.90	37.14	-41.95	-1,799.98	1,143.04	961.30	918.18	43.12	22.293		
6,800.00	6,572.28	7,813.87	7,217.18	37.05	37.02	-60.64	-1,799.44	1,134.89	919.49	874.89	44.60	20.616		
6,850.00	6,619.81	7,801.47	7,217.04	37.19	36.84	-73.90	-1,798.58	1,122.52	878.94	832.82	46.12	19.059		
6,900.00	6,666.23	7,794.00	7,216.97	37.32	36.74	-84.24	-1,798.05	1,115.07	839.98	792.34	47.64	17.632		
6,950.00	6,711.25	7,774.32	7,216.76	37.46	36.48	-91.18	-1,796.78	1,095.43	802.88	753.64	49.24	16.304		
7,000.00	6,754.60	7,758.04	7,216.56	37.61	36.27	-96.79	-1,795.93	1,079.18	768.08	717.24	50.85	15.106		
7,050.00	6,796.01	7,739.25	7,216.28	37.77	36.03	-101.00	-1,795.20	1,060.40	735.87	683.42	52.46	14.028		
7,100.00	6,835.22	7,718.04	7,215.92	37.94	35.76	-104.11	-1,794.67	1,039.20	706.55	652.49	54.06	13.069		
7,150.00	6,871.99	7,672.54	7,214.35	38.12	35.23	-104.96	-1,794.33	993.73	680.27	624.47	55.81	12.189		
7,200.00	6,906.10	7,578.73	7,199.81	38.34	34.31	-101.75	-1,792.78	901.19	654.35	595.89	58.46	11.193		
7,250.00	6,937.34	7,524.25	7,185.34	38.57	33.96	-100.72	-1,791.29	848.70	629.86	569.11	60.75	10.369		
7,300.00	6,965.51	7,479.50	7,170.40	38.84	33.80	-99.95	-1,789.96	806.54	607.59	544.76	62.84	9.669		
7,350.00	6,990.44	7,440.51	7,154.70	39.14	33.70	-99.14	-1,789.18	770.87	588.14	523.40	64.74	9.085		
7,400.00	7,011.97	7,403.28	7,137.41	39.47	33.63	-98.02	-1,788.80	737.91	571.84	505.35	66.49	8.600		
7,450.00	7,029.98	7,366.45	7,118.15	39.85	33.55	-96.50	-1,788.64	706.53	558.85	490.75	68.10	8.206		
7,500.00	7,044.34	7,334.49	7,099.78	40.26	33.49	-94.98	-1,788.62	680.37	549.32	479.94	69.37	7.918		
7,550.00	7,054.99	7,295.19	7,075.17	40.72	33.40	-92.47	-1,788.77	649.75	543.37	472.72	70.65	7.691		
7,600.00	7,061.83	7,257.91	7,050.13	41.21	33.31	-89.80	-1,788.63	622.14	540.66	469.03	71.63	7.548		
7,617.50	7,063.33	7,245.26	7,041.27	41.39	33.29	-88.82	-1,788.52	613.11	540.47	468.56	71.91	7.516 CC, ES		
7,650.00	7,064.85	7,222.33	7,024.76	41.73	33.23	-86.97	-1,788.24	597.20	541.12	468.77	72.35	7.479		
7,661.89	7,065.00	7,214.31	7,018.88	41.86	33.21	-86.29	-1,788.12	591.75	541.68	469.19	72.49	7.472		
7,700.00	7,065.13	7,189.21	7,000.20	42.28	33.15	-84.31	-1,787.73	574.99	544.49	471.60	72.89	7.470 SF		
7,800.00	7,065.47	7,129.30	6,954.07	43.53	33.00	-79.48	-1,786.59	536.78	559.20	485.60	73.60	7.598		
7,900.00	7,065.82	7,078.52	6,913.25	44.94	32.86	-75.31	-1,785.41	506.62	584.94	511.02	73.92	7.913		
8,000.00	7,066.16	7,034.79	6,876.81	46.50	32.75	-71.70	-1,784.25	482.47	621.46	547.52	73.95	8.404		
8,100.00	7,066.50	6,987.88	6,836.90	48.19	32.61	-67.89	-1,782.89	457.87	667.45	593.70	73.75	9.050		
8,200.00	7,066.85	6,943.61	6,798.84	50.00	32.48	-64.42	-1,781.53	435.30	721.15	647.71	73.44	9.820		
8,300.00	7,067.19	6,915.23	6,774.11	51.91	32.40	-62.26	-1,780.70	421.39	781.63	708.35	73.27	10.667		
8,400.00	7,067.54	6,891.46	6,753.02	53.92	32.33	-60.49	-1,780.16	410.43	848.19	775.05	73.13	11.598		
8,500.00	7,067.88	6,870.28	6,733.96	56.01	32.26	-58.95	-1,779.82	401.21	919.73	846.72	73.01	12.597		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,068.22	6,846.00	6,711.81	58.16	32.19	-57.22	-1,779.56	391.28	995.37	922.51	72.85	13.662		
8,700.00	7,068.57	6,846.00	6,711.81	60.38	32.19	-57.22	-1,779.56	391.28	1,074.42	1,001.52	72.90	14.738		
8,800.00	7,068.91	6,813.24	6,681.53	62.65	32.08	-54.97	-1,779.47	378.78	1,155.78	1,083.08	72.70	15.898		
8,900.00	7,069.25	6,795.94	6,665.41	64.97	32.03	-53.83	-1,779.54	372.52	1,239.49	1,166.87	72.62	17.069		
9,000.00	7,069.60	6,779.93	6,650.40	67.34	31.98	-52.79	-1,779.68	366.94	1,325.02	1,252.46	72.55	18.263		
9,100.00	7,069.94	6,752.00	6,624.04	69.74	31.89	-51.06	-1,780.09	357.72	1,412.21	1,339.78	72.43	19.497		
9,200.00	7,070.28	6,752.00	6,624.04	72.18	31.89	-51.06	-1,780.09	357.72	1,500.44	1,427.98	72.46	20.708		
9,300.00	7,070.63	6,752.00	6,624.04	74.65	31.89	-51.06	-1,780.09	357.72	1,590.06	1,517.60	72.46	21.943		
9,400.00	7,070.97	6,724.26	6,597.64	77.15	31.79	-49.41	-1,780.53	349.21	1,680.32	1,607.94	72.38	23.216		
9,500.00	7,071.32	6,712.23	6,586.13	79.67	31.75	-48.71	-1,780.69	345.72	1,771.55	1,699.20	72.35	24.486		
9,600.00	7,071.66	6,701.02	6,575.37	82.22	31.72	-48.07	-1,780.82	342.58	1,863.51	1,791.19	72.32	25.766		
9,700.00	7,072.00	6,690.55	6,565.29	84.78	31.68	-47.48	-1,780.91	339.74	1,956.11	1,883.81	72.31	27.054		
9,800.00	7,072.35	6,657.00	6,532.82	87.37	31.57	-45.66	-1,781.12	331.30	2,049.64	1,977.41	72.23	28.376		
9,900.00	7,072.69	6,657.00	6,532.82	89.97	31.57	-45.66	-1,781.12	331.30	2,143.08	2,070.83	72.25	29.664		
10,000.00	7,073.03	6,657.00	6,532.82	92.59	31.57	-45.66	-1,781.12	331.30	2,237.08	2,164.83	72.25	30.961		
10,100.00	7,073.38	6,657.00	6,532.82	95.22	31.57	-45.66	-1,781.12	331.30	2,331.59	2,259.33	72.26	32.267		
10,200.00	7,073.72	6,657.00	6,532.82	97.86	31.57	-45.66	-1,781.12	331.30	2,426.53	2,354.27	72.26	33.579		
10,300.00	7,074.07	6,657.00	6,532.82	100.52	31.57	-45.66	-1,781.12	331.30	2,521.86	2,449.60	72.27	34.897		
10,400.00	7,074.41	6,657.00	6,532.82	103.19	31.57	-45.66	-1,781.12	331.30	2,617.54	2,545.28	72.27	36.221		
10,500.00	7,074.75	6,657.00	6,532.82	105.87	31.57	-45.66	-1,781.12	331.30	2,713.54	2,641.27	72.27	37.548		
10,600.00	7,075.10	6,657.00	6,532.82	108.55	31.57	-45.66	-1,781.12	331.30	2,809.81	2,737.54	72.27	38.880		
10,700.00	7,075.44	6,657.00	6,532.82	111.25	31.57	-45.66	-1,781.12	331.30	2,906.34	2,834.07	72.27	40.215		
10,800.00	7,075.78	6,657.00	6,532.82	113.96	31.57	-45.66	-1,781.12	331.30	3,003.09	2,930.82	72.27	41.552		
10,900.00	7,076.13	6,657.00	6,532.82	116.67	31.57	-45.66	-1,781.12	331.30	3,100.05	3,027.77	72.28	42.891		
11,000.00	7,076.47	6,657.00	6,532.82	119.39	31.57	-45.66	-1,781.12	331.30	3,197.19	3,124.91	72.28	44.233		
11,100.00	7,076.81	6,657.00	6,532.82	122.11	31.57	-45.66	-1,781.12	331.30	3,294.51	3,222.22	72.29	45.576		
11,200.00	7,077.16	6,657.00	6,532.82	124.85	31.57	-45.66	-1,781.12	331.30	3,391.98	3,319.69	72.29	46.920		
11,300.00	7,077.50	6,657.00	6,532.82	127.58	31.57	-45.66	-1,781.12	331.30	3,489.60	3,417.30	72.30	48.265		
11,400.00	7,077.85	6,657.00	6,532.82	130.33	31.57	-45.66	-1,781.12	331.30	3,587.34	3,515.03	72.31	49.610		
11,500.00	7,078.19	6,657.00	6,532.82	133.08	31.57	-45.66	-1,781.12	331.30	3,685.21	3,612.89	72.32	50.956		
11,600.00	7,078.53	6,657.00	6,532.82	135.83	31.57	-45.66	-1,781.12	331.30	3,783.19	3,710.86	72.33	52.302		
11,700.00	7,078.88	6,657.00	6,532.82	138.59	31.57	-45.66	-1,781.12	331.30	3,881.27	3,808.93	72.35	53.648		
11,800.00	7,079.22	6,615.43	6,492.05	141.35	31.42	-43.51	-1,781.21	323.32	3,977.34	3,904.97	72.37	54.957		
11,900.00	7,079.56	6,614.00	6,490.62	144.11	31.42	-43.44	-1,781.21	323.11	4,075.46	4,003.07	72.39	56.299		
12,000.00	7,079.91	6,612.62	6,489.26	146.88	31.41	-43.37	-1,781.21	322.92	4,173.67	4,101.26	72.41	57.640		
12,100.00	7,080.25	6,611.31	6,487.96	149.66	31.41	-43.30	-1,781.21	322.74	4,271.96	4,199.53	72.43	58.981		
12,200.00	7,080.60	6,610.04	6,486.71	152.43	31.40	-43.24	-1,781.21	322.56	4,370.32	4,297.86	72.45	60.321		
12,300.00	7,080.94	6,608.83	6,485.51	155.21	31.40	-43.18	-1,781.21	322.40	4,468.74	4,396.27	72.47	61.660		
12,400.00	7,081.28	6,607.67	6,484.36	157.99	31.39	-43.12	-1,781.21	322.25	4,567.24	4,494.74	72.50	62.998		
12,500.00	7,081.63	6,606.55	6,483.25	160.78	31.39	-43.07	-1,781.22	322.11	4,665.79	4,593.27	72.52	64.335		
12,600.00	7,081.97	6,605.48	6,482.18	163.57	31.39	-43.01	-1,781.22	321.97	4,764.41	4,691.86	72.55	65.670		
12,700.00	7,082.31	6,563.00	6,439.85	166.36	31.24	-40.98	-1,781.17	318.68	4,865.14	4,792.55	72.59	67.024		
12,800.00	7,082.66	6,563.00	6,439.85	169.15	31.24	-40.98	-1,781.17	318.68	4,963.76	4,891.14	72.62	68.355		
12,900.00	7,083.00	6,563.00	6,439.85	171.94	31.24	-40.98	-1,781.17	318.68	5,062.43	4,989.78	72.65	69.684		
13,000.00	7,083.35	6,563.00	6,439.85	174.74	31.24	-40.98	-1,781.17	318.68	5,161.15	5,088.47	72.68	71.012		
13,100.00	7,083.69	6,563.00	6,439.85	177.54	31.24	-40.98	-1,781.17	318.68	5,259.92	5,187.20	72.71	72.338		
13,200.00	7,084.03	6,563.00	6,439.85	180.34	31.24	-40.98	-1,781.17	318.68	5,358.73	5,285.99	72.75	73.662		
13,300.00	7,084.38	6,563.00	6,439.85	183.14	31.24	-40.98	-1,781.17	318.68	5,457.59	5,384.81	72.78	74.985		
13,400.00	7,084.72	6,563.00	6,439.85	185.95	31.24	-40.98	-1,781.17	318.68	5,556.49	5,483.67	72.82	76.306		
13,500.00	7,085.06	6,563.00	6,439.85	188.76	31.24	-40.98	-1,781.17	318.68	5,655.43	5,582.58	72.86	77.625		
13,600.00	7,085.41	6,563.00	6,439.85	191.56	31.24	-40.98	-1,781.17	318.68	5,754.41	5,681.51	72.89	78.942		
13,700.00	7,085.75	6,563.00	6,439.85	194.37	31.24	-40.98	-1,781.17	318.68	5,853.42	5,780.48	72.93	80.256		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,800.00	7,086.09	6,563.00	6,439.85	197.18	31.24	-40.98	-1,781.17	318.68	5,952.46	5,879.48	72.97	81.569		
13,900.00	7,086.44	6,563.00	6,439.85	200.00	31.24	-40.98	-1,781.17	318.68	6,051.53	5,978.52	73.02	82.879		
14,000.00	7,086.78	6,563.00	6,439.85	202.81	31.24	-40.98	-1,781.17	318.68	6,150.64	6,077.58	73.06	84.187		
14,100.00	7,087.13	6,563.00	6,439.85	205.63	31.24	-40.98	-1,781.17	318.68	6,249.77	6,176.67	73.10	85.493		
14,200.00	7,087.47	6,563.00	6,439.85	208.44	31.24	-40.98	-1,781.17	318.68	6,348.93	6,275.78	73.15	86.796		
14,300.00	7,087.81	6,563.00	6,439.85	211.26	31.24	-40.98	-1,781.17	318.68	6,448.12	6,374.92	73.19	88.097		
14,400.00	7,088.16	6,563.00	6,439.85	214.08	31.24	-40.98	-1,781.17	318.68	6,547.33	6,474.09	73.24	89.395		
14,500.00	7,088.50	6,563.00	6,439.85	216.90	31.24	-40.98	-1,781.17	318.68	6,646.56	6,573.28	73.29	90.691		
14,600.00	7,088.84	6,563.00	6,439.85	219.72	31.24	-40.98	-1,781.17	318.68	6,745.82	6,672.48	73.34	91.984		
14,700.00	7,089.19	6,563.00	6,439.85	222.54	31.24	-40.98	-1,781.17	318.68	6,845.10	6,771.71	73.39	93.274		
14,800.00	7,089.53	6,563.00	6,439.85	225.37	31.24	-40.98	-1,781.17	318.68	6,944.40	6,870.96	73.44	94.562		
14,900.00	7,089.88	6,563.00	6,439.85	228.19	31.24	-40.98	-1,781.17	318.68	7,043.72	6,970.23	73.49	95.846		
15,000.00	7,090.22	6,563.00	6,439.85	231.02	31.24	-40.98	-1,781.17	318.68	7,143.06	7,069.51	73.54	97.128		
15,100.00	7,090.56	6,563.00	6,439.85	233.84	31.24	-40.98	-1,781.17	318.68	7,242.41	7,168.82	73.60	98.407		
15,200.00	7,090.91	6,563.00	6,439.85	236.67	31.24	-40.98	-1,781.17	318.68	7,341.79	7,268.14	73.65	99.683		
15,227.29	7,091.00	6,563.00	6,439.85	237.44	31.24	-40.98	-1,781.17	318.68	7,368.91	7,295.24	73.67	100.031		
15,300.00	7,091.25	6,563.00	6,439.85	239.49	31.24	-49.55	-1,781.17	318.68	7,441.10	7,367.40	73.71	100.957		
15,326.57	7,091.35	6,563.00	6,439.85	240.24	31.24	-52.10	-1,781.17	318.68	7,467.45	7,393.73	73.72	101.295		
15,400.00	7,091.60	6,563.00	6,439.85	242.30	31.24	-52.10	-1,781.17	318.68	7,540.22	7,466.46	73.76	102.227		
15,500.00	7,091.96	6,563.00	6,439.85	245.12	31.24	-52.10	-1,781.17	318.68	7,639.35	7,565.53	73.81	103.493		
15,600.00	7,092.31	6,563.00	6,439.85	247.93	31.24	-52.10	-1,781.17	318.68	7,738.50	7,664.63	73.87	104.757		
15,700.00	7,092.66	6,563.00	6,439.85	250.75	31.24	-52.10	-1,781.17	318.68	7,837.67	7,763.74	73.93	106.018		
15,800.00	7,093.01	6,563.00	6,439.85	253.56	31.24	-52.10	-1,781.17	318.68	7,936.86	7,862.88	73.99	107.275		
15,900.00	7,093.36	6,563.00	6,439.85	256.38	31.24	-52.10	-1,781.17	318.68	8,036.08	7,962.03	74.05	108.529		
16,000.00	7,093.71	6,563.00	6,439.85	259.20	31.24	-52.10	-1,781.17	318.68	8,135.31	8,061.20	74.11	109.780		
16,100.00	7,094.07	6,563.00	6,439.85	262.02	31.24	-52.10	-1,781.17	318.68	8,234.56	8,160.39	74.17	111.028		
16,200.00	7,094.42	6,563.00	6,439.85	264.84	31.24	-52.10	-1,781.17	318.68	8,333.83	8,259.60	74.23	112.273		
16,300.00	7,094.77	6,563.00	6,439.85	267.65	31.24	-52.10	-1,781.17	318.68	8,433.11	8,358.82	74.29	113.514		
16,400.00	7,095.12	6,563.00	6,439.85	270.47	31.24	-52.10	-1,781.17	318.68	8,532.41	8,458.06	74.36	114.752		
16,500.00	7,095.47	6,563.00	6,439.85	273.30	31.24	-52.10	-1,781.17	318.68	8,631.73	8,557.31	74.42	115.987		
16,600.00	7,095.82	6,563.00	6,439.85	276.12	31.24	-52.10	-1,781.17	318.68	8,731.07	8,656.58	74.49	117.218		
16,700.00	7,096.18	6,563.00	6,439.85	278.94	31.24	-52.10	-1,781.17	318.68	8,830.42	8,755.86	74.55	118.446		
16,800.00	7,096.53	6,563.00	6,439.85	281.76	31.24	-52.10	-1,781.17	318.68	8,929.78	8,855.16	74.62	119.670		
16,900.00	7,096.88	6,563.00	6,439.85	284.58	31.24	-52.10	-1,781.17	318.68	9,029.16	8,954.47	74.69	120.891		
17,000.00	7,097.23	6,563.00	6,439.85	287.41	31.24	-52.10	-1,781.17	318.68	9,128.55	9,053.79	74.76	122.108		
17,100.00	7,097.58	6,563.00	6,439.85	290.23	31.24	-52.10	-1,781.17	318.68	9,227.95	9,153.12	74.83	123.322		
17,200.00	7,097.93	6,563.00	6,439.85	293.06	31.24	-52.10	-1,781.17	318.68	9,327.37	9,252.47	74.90	124.533		
17,300.00	7,098.29	6,563.00	6,439.85	295.88	31.24	-52.10	-1,781.17	318.68	9,426.80	9,351.83	74.97	125.739		
17,400.00	7,098.64	6,563.00	6,439.85	298.71	31.24	-52.10	-1,781.17	318.68	9,526.24	9,451.20	75.04	126.943		
17,500.00	7,098.99	6,563.00	6,439.85	301.53	31.24	-52.10	-1,781.17	318.68	9,625.69	9,550.58	75.12	128.142		
17,600.00	7,099.34	6,563.00	6,439.85	304.36	31.24	-52.10	-1,781.17	318.68	9,725.16	9,649.97	75.19	129.338		
17,700.00	7,099.69	6,563.00	6,439.85	307.19	31.24	-52.10	-1,781.17	318.68	9,824.63	9,749.37	75.27	130.531		
17,800.00	7,100.04	6,563.00	6,439.85	310.01	31.24	-52.10	-1,781.17	318.68	9,924.12	9,848.77	75.34	131.719		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	142.43	-657.93	506.15	830.17					
100.00	100.00	90.43	90.43	3.28	3.29	142.41	-657.69	506.34	830.02	823.45	6.57	126.322		
200.00	200.00	192.02	192.02	3.34	3.31	142.34	-656.84	507.00	829.75	823.11	6.64	124.887		
300.00	299.98	289.85	289.82	3.44	3.36	9.25	-655.53	508.11	827.67	820.87	6.80	121.714		
400.00	399.84	382.83	382.79	3.59	3.47	9.18	-654.58	509.81	822.82	815.76	7.06	116.477		
500.00	499.45	476.80	476.72	3.80	3.62	9.15	-654.18	512.06	815.34	807.92	7.42	109.889		
600.00	598.70	571.21	571.12	4.04	3.81	9.28	-655.10	513.52	805.02	797.17	7.85	102.524		
700.00	697.47	662.14	662.02	4.32	4.02	9.57	-657.58	514.01	792.05	783.71	8.34	94.954		
800.00	795.62	747.90	747.64	4.65	4.25	10.07	-662.16	513.40	777.02	768.15	8.88	87.540		
900.00	893.06	830.77	830.17	5.02	4.48	10.82	-669.47	511.67	760.62	751.16	9.45	80.456		
993.00	982.91	909.95	908.69	5.39	4.72	11.83	-679.14	508.50	744.01	733.98	10.04	74.126		
1,000.00	989.65	915.36	914.03	5.42	4.74	11.91	-679.90	508.23	742.73	732.64	10.09	73.646		
1,100.00	1,085.84	992.52	990.06	5.86	4.99	13.11	-692.34	503.88	725.96	715.23	10.73	67.679		
1,200.00	1,182.03	1,084.59	1,080.30	6.32	5.31	14.75	-709.59	497.92	711.45	700.01	11.44	62.168		
1,300.00	1,278.22	1,175.54	1,169.36	6.79	5.65	16.44	-727.12	492.26	698.23	686.04	12.19	57.274		
1,400.00	1,374.42	1,263.68	1,255.61	7.28	6.00	18.10	-744.69	487.52	686.70	673.74	12.96	52.991		
1,500.00	1,470.61	1,353.52	1,343.23	7.79	6.37	19.90	-763.88	482.53	677.09	663.33	13.75	49.228		
1,600.00	1,566.80	1,449.11	1,436.23	8.30	6.78	21.93	-785.18	476.76	668.96	654.37	14.59	45.844		
1,700.00	1,663.00	1,544.28	1,528.73	8.82	7.20	24.05	-806.68	470.36	661.80	646.35	15.45	42.837		
1,800.00	1,759.19	1,638.29	1,619.99	9.34	7.63	26.22	-828.29	463.88	655.98	639.66	16.32	40.200		
1,900.00	1,855.38	1,733.79	1,712.87	9.87	8.07	28.29	-849.93	459.08	651.43	634.22	17.21	37.862		
2,000.00	1,951.58	1,829.99	1,806.52	10.41	8.51	30.33	-871.59	455.16	647.93	629.82	18.11	35.782		
2,100.00	2,047.77	1,933.38	1,907.35	10.95	9.00	32.43	-894.27	452.01	644.99	625.94	19.06	33.848		
2,200.00	2,143.96	2,035.30	2,006.86	11.49	9.48	34.61	-915.84	447.73	641.90	621.89	20.01	32.079		
2,300.00	2,240.16	2,136.89	2,106.02	12.04	9.96	36.96	-937.03	441.58	639.14	618.17	20.98	30.467		
2,400.00	2,336.35	2,246.22	2,213.15	12.58	10.48	39.41	-958.09	435.79	635.93	613.94	21.99	28.916		
2,500.00	2,432.54	2,347.01	2,312.19	13.13	10.95	41.65	-976.07	430.81	632.34	609.37	22.97	27.527		
2,600.00	2,528.74	2,447.59	2,411.05	13.69	11.43	43.89	-993.96	426.04	629.68	605.72	23.96	26.282		
2,700.00	2,624.93	2,546.49	2,508.54	14.24	11.89	46.07	-1,010.06	421.81	626.46	601.52	24.95	25.113		
2,800.00	2,721.12	2,639.76	2,600.25	14.80	12.33	48.11	-1,026.59	418.03	625.57	599.66	25.91	24.142		
2,890.14	2,807.83	2,727.96	2,687.14	15.30	12.75	50.02	-1,041.42	414.81	624.74	597.93	26.81	23.301		
2,900.00	2,817.32	2,735.93	2,694.98	15.35	12.79	50.20	-1,042.80	414.47	624.75	597.85	26.90	23.224		
3,000.00	2,913.51	2,824.84	2,782.23	15.91	13.21	52.22	-1,059.31	410.01	626.62	598.76	27.86	22.495		
3,100.00	3,009.70	2,926.11	2,881.67	16.47	13.70	54.50	-1,077.80	404.99	629.19	600.29	28.90	21.773		
3,200.00	3,105.90	3,036.82	2,990.54	17.03	14.23	56.97	-1,097.17	399.75	632.01	602.01	30.00	21.066		
3,300.00	3,202.09	3,128.63	3,081.14	17.59	14.67	58.98	-1,111.52	395.98	633.81	602.82	30.99	20.451		
3,400.00	3,298.28	3,212.02	3,163.07	18.15	15.07	60.75	-1,126.64	392.47	638.88	606.96	31.92	20.014		
3,500.00	3,394.48	3,318.67	3,267.67	18.72	15.58	62.85	-1,147.25	389.28	645.66	612.63	33.03	19.550		
3,600.00	3,490.67	3,420.41	3,367.87	19.28	16.07	64.83	-1,164.66	386.67	650.88	616.78	34.09	19.091		
3,700.00	3,586.86	3,512.58	3,458.57	19.84	16.52	66.62	-1,180.83	383.84	657.43	622.33	35.09	18.733		
3,800.00	3,683.06	3,605.53	3,549.91	20.41	16.97	68.39	-1,197.75	380.73	665.43	629.32	36.10	18.432		
3,900.00	3,779.25	3,704.16	3,646.80	20.97	17.45	70.25	-1,215.85	376.99	674.45	637.29	37.16	18.150		
4,000.00	3,875.44	3,798.33	3,739.34	21.54	17.91	72.04	-1,232.71	372.81	684.08	645.90	38.18	17.917		
4,100.00	3,971.64	3,878.10	3,817.53	22.11	18.30	73.49	-1,248.08	369.17	695.70	656.64	39.06	17.811		
4,200.00	4,067.83	3,958.72	3,896.04	22.67	18.71	74.86	-1,265.94	364.95	710.70	670.77	39.93	17.801		
4,300.00	4,164.02	4,050.79	3,985.32	23.24	19.19	76.29	-1,287.88	360.16	727.69	686.77	40.92	17.784		
4,400.00	4,260.22	4,151.55	4,083.18	23.81	19.70	77.89	-1,311.04	353.90	745.03	703.01	42.02	17.731		
4,500.00	4,356.41	4,271.07	4,199.72	24.37	20.31	79.80	-1,336.44	346.30	761.65	718.32	43.33	17.580		
4,600.00	4,452.60	4,388.62	4,315.29	24.94	20.88	81.79	-1,356.63	338.98	775.37	730.80	44.57	17.395		
4,700.00	4,548.79	4,488.40	4,413.62	25.51	21.36	83.40	-1,372.71	333.65	788.40	742.76	45.64	17.274		
4,800.00	4,644.99	4,580.56	4,504.34	26.08	21.81	84.76	-1,388.44	329.59	802.14	755.50	46.64	17.200		
4,900.00	4,741.18	4,681.91	4,604.04	26.65	22.31	86.16	-1,406.21	325.74	816.35	768.63	47.72	17.108		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,778.01	4,698.73	27.21	22.77	87.56	-1,421.82	320.76	830.96	782.22	48.75	17.047		
5,100.00	4,933.57	4,892.76	4,812.15	27.78	23.31	89.30	-1,438.01	314.45	844.74	794.81	49.93	16.917		
5,200.00	5,029.76	5,000.67	4,919.10	28.35	23.81	91.01	-1,450.82	308.11	857.87	806.83	51.05	16.806		
5,300.00	5,125.95	5,109.10	5,026.82	28.92	24.30	92.71	-1,462.06	302.86	869.84	817.69	52.15	16.681		
5,400.00	5,222.15	5,219.68	5,136.83	29.49	24.79	94.44	-1,472.08	297.80	881.45	828.20	53.25	16.554		
5,500.00	5,318.34	5,358.26	5,275.13	30.06	25.37	96.82	-1,478.41	292.29	890.44	835.99	54.45	16.354		
5,600.00	5,414.53	5,466.60	5,383.42	30.63	25.79	98.78	-1,479.22	289.17	897.10	841.65	55.45	16.177		
5,700.00	5,510.73	5,567.81	5,484.60	31.20	26.18	100.59	-1,479.62	286.87	904.01	847.59	56.43	16.021		
5,800.00	5,606.92	5,664.58	5,581.35	31.77	26.55	102.31	-1,479.29	284.98	911.12	853.75	57.37	15.881		
5,900.00	5,703.11	5,767.84	5,684.59	32.34	26.93	104.14	-1,478.75	282.67	919.24	860.92	58.32	15.761		
6,000.00	5,799.31	5,881.65	5,798.38	32.91	27.35	106.12	-1,476.98	281.87	926.42	867.14	59.28	15.627		
6,100.00	5,895.50	5,978.59	5,895.31	33.48	27.70	107.72	-1,475.90	282.65	933.38	873.18	60.19	15.507		
6,200.00	5,991.69	6,070.68	5,987.39	34.05	28.03	109.21	-1,475.04	283.19	941.36	880.28	61.08	15.413		
6,300.00	6,087.89	6,160.65	6,077.36	34.62	28.35	110.67	-1,474.08	283.12	950.59	888.65	61.94	15.346		
6,400.00	6,184.08	6,259.19	6,175.89	35.19	28.72	112.27	-1,472.70	282.54	960.88	898.04	62.83	15.293		
6,500.00	6,280.27	7,698.00	7,062.61	35.77	36.93	93.85	-1,459.36	1,125.54	872.33	845.28	27.05	32.249		
6,535.30	6,314.23	7,710.82	7,063.14	35.97	37.14	92.14	-1,460.07	1,138.33	839.21	811.58	27.63	30.368		
6,550.00	6,328.40	7,715.98	7,063.34	36.05	37.22	85.34	-1,460.34	1,143.48	825.39	797.50	27.89	29.595		
6,600.00	6,377.01	7,729.40	7,063.83	36.31	37.44	56.71	-1,461.00	1,156.87	777.95	749.13	28.82	26.997		
6,650.00	6,426.00	7,736.70	7,064.08	36.54	37.56	20.24	-1,461.33	1,164.16	730.12	700.28	29.84	24.466		
6,700.00	6,475.08	7,738.25	7,064.13	36.73	37.58	-17.72	-1,461.40	1,165.71	682.29	651.30	30.98	22.021		
6,750.00	6,523.94	7,734.42	7,064.00	36.90	37.52	-48.80	-1,461.23	1,161.89	634.81	602.54	32.27	19.673		
6,800.00	6,572.28	7,725.60	7,063.70	37.05	37.38	-70.76	-1,460.82	1,153.08	588.02	554.30	33.72	17.437		
6,850.00	6,619.81	7,712.15	7,063.19	37.19	37.16	-85.54	-1,460.14	1,139.66	542.25	506.88	35.38	15.328		
6,900.00	6,666.23	7,698.00	7,062.61	37.32	36.93	-96.03	-1,459.36	1,125.54	497.82	460.65	37.17	13.394		
6,950.00	6,711.25	7,682.81	7,062.04	37.46	36.71	-103.50	-1,458.50	1,110.39	455.21	416.06	39.15	11.627		
7,000.00	6,754.60	7,666.17	7,061.62	37.61	36.47	-108.77	-1,457.62	1,093.77	415.01	373.66	41.35	10.036		
7,050.00	6,796.01	7,645.88	7,061.40	37.77	36.17	-112.13	-1,456.61	1,073.51	377.70	333.87	43.84	8.616		
7,100.00	6,835.22	7,621.88	7,061.56	37.94	35.83	-114.01	-1,455.53	1,049.53	343.80	297.21	46.59	7.379		
7,150.00	6,871.99	7,591.59	7,062.30	38.12	35.41	-114.42	-1,454.34	1,019.27	313.70	264.09	49.61	6.324		
7,200.00	6,906.10	7,553.36	7,062.68	38.34	34.92	-113.22	-1,453.18	981.06	287.11	234.14	52.97	5.420		
7,250.00	6,937.34	7,514.62	7,062.06	38.57	34.42	-111.26	-1,452.44	942.34	264.14	207.67	56.48	4.677		
7,300.00	6,965.51	7,470.99	7,059.67	38.84	33.94	-107.96	-1,452.15	898.78	244.95	184.73	60.23	4.067		
7,350.00	6,990.44	7,428.68	7,054.72	39.14	33.48	-103.94	-1,452.49	856.77	229.68	165.82	63.85	3.597		
7,400.00	7,011.97	7,387.96	7,047.50	39.47	33.09	-99.34	-1,453.43	816.72	218.93	151.90	67.03	3.266		
7,450.00	7,029.98	7,348.68	7,038.15	39.85	32.74	-94.25	-1,455.01	778.61	213.23	143.84	69.39	3.073		
7,478.29	7,038.56	7,327.57	7,032.18	40.08	32.56	-91.30	-1,456.12	758.39	212.31	142.07	70.25	3.022 CC		
7,500.00	7,044.34	7,309.84	7,026.64	40.26	32.43	-88.72	-1,457.22	741.59	212.75	141.98	70.77	3.006 ES, SF		
7,550.00	7,054.99	7,269.08	7,012.79	40.72	32.17	-82.77	-1,459.81	703.34	216.78	145.52	71.26	3.042		
7,600.00	7,061.83	7,228.45	6,997.46	41.21	31.95	-77.02	-1,462.48	665.81	224.41	153.39	71.03	3.160		
7,650.00	7,064.85	7,188.77	6,980.55	41.73	31.79	-71.59	-1,465.04	630.02	234.85	164.42	70.43	3.335		
7,661.89	7,065.00	7,179.56	6,976.25	41.86	31.76	-70.34	-1,465.59	621.89	237.70	167.44	70.26	3.383		
7,700.00	7,065.13	7,151.05	6,962.06	42.28	31.66	-67.23	-1,467.20	597.21	247.84	178.22	69.62	3.560		
7,800.00	7,065.47	7,078.24	6,919.81	43.53	31.45	-58.76	-1,469.47	538.06	282.32	214.96	67.36	4.191		
7,900.00	7,065.82	7,020.03	6,880.02	44.94	31.30	-51.59	-1,467.59	495.66	328.05	262.78	65.28	5.026		
8,000.00	7,066.16	6,975.57	6,847.31	46.50	31.18	-46.62	-1,466.79	465.58	385.48	321.14	64.34	5.991		
8,100.00	7,066.50	6,939.00	6,819.32	48.19	31.08	-43.09	-1,467.52	442.06	451.72	387.56	64.17	7.040		
8,200.00	7,066.85	6,895.10	6,784.33	50.00	30.95	-39.31	-1,468.66	415.59	523.88	460.01	63.87	8.202		
8,300.00	7,067.19	6,860.47	6,755.61	51.91	30.85	-36.54	-1,468.87	396.24	600.47	536.50	63.97	9.386		
8,400.00	7,067.54	6,845.00	6,742.49	53.92	30.80	-35.36	-1,468.77	388.05	680.87	616.28	64.59	10.542		
8,500.00	7,067.88	6,808.75	6,711.00	56.01	30.68	-32.76	-1,468.34	370.09	763.81	699.22	64.59	11.826		
8,600.00	7,068.22	6,788.32	6,692.83	58.16	30.62	-31.40	-1,468.07	360.78	849.41	784.49	64.92	13.084		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,751.00	6,658.87	60.38	30.50	-29.11	-1,467.50	345.31	937.46	872.57	64.89	14.447		
8,800.00	7,068.91	6,751.00	6,658.87	62.65	30.50	-29.11	-1,467.50	345.31	1,026.14	960.69	65.45	15.679		
8,900.00	7,069.25	6,751.00	6,658.87	64.97	30.50	-29.11	-1,467.50	345.31	1,116.74	1,050.87	65.86	16.956		
9,000.00	7,069.60	6,723.26	6,633.13	67.34	30.40	-27.57	-1,467.21	334.98	1,208.03	1,142.13	65.90	18.330		
9,100.00	7,069.94	6,709.47	6,620.22	69.74	30.35	-26.87	-1,467.20	330.15	1,300.36	1,234.28	66.08	19.679		
9,200.00	7,070.28	6,696.80	6,608.29	72.18	30.31	-26.26	-1,467.26	325.89	1,393.43	1,327.19	66.23	21.038		
9,300.00	7,070.63	6,685.12	6,597.23	74.65	30.27	-25.72	-1,467.38	322.12	1,487.13	1,420.75	66.37	22.406		
9,400.00	7,070.97	6,656.00	6,569.46	77.15	30.17	-24.48	-1,467.94	313.36	1,581.68	1,515.29	66.39	23.824		
9,500.00	7,071.32	6,656.00	6,569.46	79.67	30.17	-24.48	-1,467.94	313.36	1,676.16	1,609.59	66.57	25.179		
9,600.00	7,071.66	6,656.00	6,569.46	82.22	30.17	-24.48	-1,467.94	313.36	1,771.25	1,704.53	66.72	26.548		
9,700.00	7,072.00	6,656.00	6,569.46	84.78	30.17	-24.48	-1,467.94	313.36	1,866.85	1,800.01	66.85	27.928		
9,800.00	7,072.35	6,656.00	6,569.46	87.37	30.17	-24.48	-1,467.94	313.36	1,962.89	1,895.94	66.95	29.318		
9,900.00	7,072.69	6,656.00	6,569.46	89.97	30.17	-24.48	-1,467.94	313.36	2,059.31	1,992.27	67.04	30.716		
10,000.00	7,073.03	6,621.23	6,535.96	92.59	30.04	-23.15	-1,468.74	304.11	2,155.12	2,088.08	67.04	32.147		
10,100.00	7,073.38	6,614.11	6,529.06	95.22	30.02	-22.89	-1,468.88	302.38	2,251.75	2,184.64	67.11	33.554		
10,200.00	7,073.72	6,607.42	6,522.56	97.86	29.99	-22.65	-1,469.00	300.80	2,348.58	2,281.41	67.17	34.964		
10,300.00	7,074.07	6,601.13	6,516.44	100.52	29.97	-22.43	-1,469.11	299.35	2,445.61	2,378.38	67.23	36.376		
10,400.00	7,074.41	6,595.20	6,510.65	103.19	29.95	-22.22	-1,469.20	298.03	2,542.82	2,475.53	67.29	37.790		
10,500.00	7,074.75	6,562.00	6,478.14	105.87	29.83	-21.12	-1,469.62	291.33	2,640.75	2,573.44	67.30	39.237		
10,600.00	7,075.10	6,562.00	6,478.14	108.55	29.83	-21.12	-1,469.62	291.33	2,738.07	2,670.70	67.37	40.645		
10,700.00	7,075.44	6,562.00	6,478.14	111.25	29.83	-21.12	-1,469.62	291.33	2,835.57	2,768.15	67.43	42.055		
10,800.00	7,075.78	6,562.00	6,478.14	113.96	29.83	-21.12	-1,469.62	291.33	2,933.25	2,865.77	67.48	43.467		
10,900.00	7,076.13	6,562.00	6,478.14	116.67	29.83	-21.12	-1,469.62	291.33	3,031.07	2,963.54	67.53	44.882		
11,000.00	7,076.47	6,562.00	6,478.14	119.39	29.83	-21.12	-1,469.62	291.33	3,129.04	3,061.45	67.58	46.298		
11,100.00	7,076.81	6,562.00	6,478.14	122.11	29.83	-21.12	-1,469.62	291.33	3,227.13	3,159.49	67.63	47.715		
11,200.00	7,077.16	6,562.00	6,478.14	124.85	29.83	-21.12	-1,469.62	291.33	3,325.33	3,257.65	67.68	49.133		
11,300.00	7,077.50	6,562.00	6,478.14	127.58	29.83	-21.12	-1,469.62	291.33	3,423.64	3,355.91	67.72	50.552		
11,400.00	7,077.85	6,562.00	6,478.14	130.33	29.83	-21.12	-1,469.62	291.33	3,522.04	3,454.27	67.77	51.971		
11,500.00	7,078.19	6,562.00	6,478.14	133.08	29.83	-21.12	-1,469.62	291.33	3,620.53	3,552.71	67.81	53.390		
11,600.00	7,078.53	6,562.00	6,478.14	135.83	29.83	-21.12	-1,469.62	291.33	3,719.10	3,651.24	67.86	54.809		
11,700.00	7,078.88	6,562.00	6,478.14	138.59	29.83	-21.12	-1,469.62	291.33	3,817.74	3,749.84	67.90	56.227		
11,800.00	7,079.22	6,562.00	6,478.14	141.35	29.83	-21.12	-1,469.62	291.33	3,916.45	3,848.51	67.94	57.645		
11,900.00	7,079.56	6,562.00	6,478.14	144.11	29.83	-21.12	-1,469.62	291.33	4,015.23	3,947.25	67.98	59.062		
12,000.00	7,079.91	6,562.00	6,478.14	146.88	29.83	-21.12	-1,469.62	291.33	4,114.07	4,046.04	68.03	60.478		
12,100.00	7,080.25	6,562.00	6,478.14	149.66	29.83	-21.12	-1,469.62	291.33	4,212.96	4,144.89	68.07	61.893		
12,200.00	7,080.60	6,562.00	6,478.14	152.43	29.83	-21.12	-1,469.62	291.33	4,311.90	4,243.79	68.11	63.307		
12,300.00	7,080.94	6,562.00	6,478.14	155.21	29.83	-21.12	-1,469.62	291.33	4,410.89	4,342.74	68.15	64.719		
12,400.00	7,081.28	6,562.00	6,478.14	157.99	29.83	-21.12	-1,469.62	291.33	4,509.92	4,441.73	68.20	66.130		
12,500.00	7,081.63	6,562.00	6,478.14	160.78	29.83	-21.12	-1,469.62	291.33	4,609.00	4,540.76	68.24	67.539		
12,600.00	7,081.97	6,562.00	6,478.14	163.57	29.83	-21.12	-1,469.62	291.33	4,708.12	4,639.83	68.29	68.946		
12,700.00	7,082.31	6,562.00	6,478.14	166.36	29.83	-21.12	-1,469.62	291.33	4,807.27	4,738.93	68.33	70.352		
12,800.00	7,082.66	6,562.00	6,478.14	169.15	29.83	-21.12	-1,469.62	291.33	4,906.45	4,838.08	68.38	71.755		
12,900.00	7,083.00	6,562.00	6,478.14	171.94	29.83	-21.12	-1,469.62	291.33	5,005.67	4,937.25	68.42	73.156		
13,000.00	7,083.35	6,562.00	6,478.14	174.74	29.83	-21.12	-1,469.62	291.33	5,104.92	5,036.45	68.47	74.556		
13,100.00	7,083.69	6,562.00	6,478.14	177.54	29.83	-21.12	-1,469.62	291.33	5,204.20	5,135.68	68.52	75.953		
13,200.00	7,084.03	6,562.00	6,478.14	180.34	29.83	-21.12	-1,469.62	291.33	5,303.50	5,234.94	68.57	77.347		
13,300.00	7,084.38	6,562.00	6,478.14	183.14	29.83	-21.12	-1,469.62	291.33	5,402.83	5,334.22	68.62	78.739		
13,400.00	7,084.72	6,562.00	6,478.14	185.95	29.83	-21.12	-1,469.62	291.33	5,502.19	5,433.52	68.67	80.129		
13,500.00	7,085.06	6,562.00	6,478.14	188.76	29.83	-21.12	-1,469.62	291.33	5,601.57	5,532.85	68.72	81.516		
13,600.00	7,085.41	6,562.00	6,478.14	191.56	29.83	-21.12	-1,469.62	291.33	5,700.97	5,632.20	68.77	82.900		
13,700.00	7,085.75	6,562.00	6,478.14	194.37	29.83	-21.12	-1,469.62	291.33	5,800.39	5,731.57	68.82	84.282		
13,800.00	7,086.09	6,562.00	6,478.14	197.18	29.83	-21.12	-1,469.62	291.33	5,899.83	5,830.95	68.87	85.661		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 249-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,562.00	6,478.14	200.00	29.83	-21.12	-1,469.62	291.33	5,999.28	5,930.36	68.93	87.037		
14,000.00	7,086.78	6,562.00	6,478.14	202.81	29.83	-21.12	-1,469.62	291.33	6,098.76	6,029.78	68.98	88.410		
14,100.00	7,087.13	6,562.00	6,478.14	205.63	29.83	-21.12	-1,469.62	291.33	6,198.25	6,129.22	69.04	89.780		
14,200.00	7,087.47	6,562.00	6,478.14	208.44	29.83	-21.12	-1,469.62	291.33	6,297.76	6,228.67	69.09	91.147		
14,300.00	7,087.81	6,519.00	6,435.60	211.26	29.67	-19.83	-1,470.05	285.21	6,395.34	6,326.17	69.17	92.462		
14,400.00	7,088.16	6,518.29	6,434.89	214.08	29.67	-19.81	-1,470.06	285.14	6,494.82	6,425.59	69.23	93.821		
14,500.00	7,088.50	6,517.60	6,434.20	216.90	29.66	-19.79	-1,470.07	285.07	6,594.31	6,525.02	69.28	95.177		
14,600.00	7,088.84	6,516.93	6,433.54	219.72	29.66	-19.77	-1,470.08	285.00	6,693.81	6,624.47	69.34	96.530		
14,700.00	7,089.19	6,516.28	6,432.89	222.54	29.66	-19.75	-1,470.08	284.94	6,793.33	6,723.93	69.40	97.880		
14,800.00	7,089.53	6,515.64	6,432.25	225.37	29.66	-19.73	-1,470.09	284.88	6,892.86	6,823.40	69.47	99.227		
14,900.00	7,089.88	6,515.02	6,431.64	228.19	29.65	-19.71	-1,470.10	284.82	6,992.41	6,922.88	69.53	100.570		
15,000.00	7,090.22	6,514.42	6,431.04	231.02	29.65	-19.70	-1,470.10	284.77	7,091.96	7,022.37	69.59	101.909		
15,100.00	7,090.56	6,513.83	6,430.45	233.84	29.65	-19.68	-1,470.11	284.71	7,191.53	7,121.88	69.65	103.246		
15,200.00	7,090.91	6,513.26	6,429.88	236.67	29.65	-19.66	-1,470.11	284.66	7,291.11	7,221.39	69.72	104.579		
15,227.29	7,091.00	6,513.10	6,429.73	237.44	29.65	-19.66	-1,470.11	284.65	7,318.29	7,248.55	69.74	104.942		
15,300.00	7,091.25	6,512.70	6,429.32	239.49	29.65	-33.20	-1,470.12	284.61	7,390.67	7,320.88	69.78	105.908		
15,326.57	7,091.35	6,512.55	6,429.18	240.24	29.65	-37.36	-1,470.12	284.60	7,417.09	7,347.29	69.80	106.260		
15,400.00	7,091.60	6,512.15	6,428.78	242.30	29.64	-37.35	-1,470.12	284.56	7,490.11	7,420.26	69.85	107.232		
15,500.00	7,091.96	6,511.62	6,428.25	245.12	29.64	-37.32	-1,470.13	284.52	7,569.57	7,519.65	69.92	108.552		
15,600.00	7,092.31	6,468.00	6,384.69	247.93	29.48	-35.50	-1,470.59	282.60	7,690.97	7,620.97	70.00	109.871		
15,700.00	7,092.66	6,468.00	6,384.69	250.75	29.48	-35.50	-1,470.59	282.60	7,790.40	7,720.33	70.07	111.184		
15,800.00	7,093.01	6,468.00	6,384.69	253.56	29.48	-35.50	-1,470.59	282.60	7,889.85	7,819.71	70.14	112.493		
15,900.00	7,093.36	6,468.00	6,384.69	256.38	29.48	-35.50	-1,470.59	282.60	7,989.31	7,919.10	70.21	113.798		
16,000.00	7,093.71	6,468.00	6,384.69	259.20	29.48	-35.50	-1,470.59	282.60	8,088.79	8,018.51	70.28	115.100		
16,100.00	7,094.07	6,468.00	6,384.69	262.02	29.48	-35.50	-1,470.59	282.60	8,188.27	8,117.93	70.35	116.398		
16,200.00	7,094.42	6,468.00	6,384.69	264.84	29.48	-35.50	-1,470.59	282.60	8,287.77	8,217.35	70.42	117.692		
16,300.00	7,094.77	6,468.00	6,384.69	267.65	29.48	-35.50	-1,470.59	282.60	8,387.29	8,316.79	70.49	118.983		
16,400.00	7,095.12	6,468.00	6,384.69	270.47	29.48	-35.50	-1,470.59	282.60	8,486.81	8,416.24	70.56	120.269		
16,500.00	7,095.47	6,468.00	6,384.69	273.30	29.48	-35.50	-1,470.59	282.60	8,586.34	8,515.70	70.64	121.552		
16,600.00	7,095.82	6,468.00	6,384.69	276.12	29.48	-35.50	-1,470.59	282.60	8,685.89	8,615.17	70.71	122.831		
16,700.00	7,096.18	6,468.00	6,384.69	278.94	29.48	-35.50	-1,470.59	282.60	8,785.44	8,714.65	70.79	124.106		
16,800.00	7,096.53	6,468.00	6,384.69	281.76	29.48	-35.50	-1,470.59	282.60	8,885.01	8,814.14	70.87	125.377		
16,900.00	7,096.88	6,468.00	6,384.69	284.58	29.48	-35.50	-1,470.59	282.60	8,984.58	8,913.64	70.94	126.644		
17,000.00	7,097.23	6,468.00	6,384.69	287.41	29.48	-35.50	-1,470.59	282.60	9,084.17	9,013.15	71.02	127.907		
17,100.00	7,097.58	6,468.00	6,384.69	290.23	29.48	-35.50	-1,470.59	282.60	9,183.76	9,112.66	71.10	129.166		
17,200.00	7,097.93	6,468.00	6,384.69	293.06	29.48	-35.50	-1,470.59	282.60	9,283.37	9,212.19	71.18	130.421		
17,300.00	7,098.29	6,468.00	6,384.69	295.88	29.48	-35.50	-1,470.59	282.60	9,382.98	9,311.72	71.26	131.672		
17,400.00	7,098.64	6,468.00	6,384.69	298.71	29.48	-35.50	-1,470.59	282.60	9,482.59	9,411.25	71.34	132.919		
17,500.00	7,098.99	6,468.00	6,384.69	301.53	29.48	-35.50	-1,470.59	282.60	9,582.22	9,510.80	71.42	134.162		
17,600.00	7,099.34	6,468.00	6,384.69	304.36	29.48	-35.50	-1,470.59	282.60	9,681.86	9,610.35	71.51	135.401		
17,700.00	7,099.69	6,468.00	6,384.69	307.19	29.48	-35.50	-1,470.59	282.60	9,781.50	9,709.91	71.59	136.635		
17,800.00	7,100.04	6,468.00	6,384.69	310.01	29.48	-35.50	-1,470.59	282.60	9,881.15	9,809.48	71.67	137.865		
17,900.00	7,100.40	6,468.00	6,384.69	312.84	29.48	-35.50	-1,470.59	282.60	9,980.80	9,909.05	71.76	139.091		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	135.60	-518.04	507.26	725.12					
100.00	100.00	87.54	87.54	3.28	0.19	135.57	-517.84	507.59	725.13	721.65	3.48	208.562		
200.00	200.00	176.87	176.86	3.34	0.47	135.48	-517.35	508.80	725.73	721.91	3.82	190.159		
300.00	299.98	255.72	255.63	3.44	0.82	2.30	-517.49	512.20	727.13	722.81	4.31	168.586		
400.00	399.84	334.91	334.59	3.59	1.18	2.02	-518.23	518.16	727.89	723.03	4.86	149.634		
500.00	499.45	408.91	408.13	3.80	1.53	1.68	-519.82	526.21	728.42	722.95	5.47	133.196		
600.00	598.70	483.60	482.02	4.04	1.87	1.29	-522.83	536.59	729.02	722.90	6.12	119.131		
700.00	697.47	562.84	560.08	4.32	2.23	0.92	-528.12	549.17	729.42	722.62	6.80	107.261		
800.00	795.62	648.03	643.72	4.65	2.64	0.63	-536.20	563.18	728.76	721.25	7.51	97.030		
900.00	893.06	737.74	731.57	5.02	3.08	0.48	-547.06	577.70	726.28	718.03	8.25	88.049		
993.00	982.91	826.82	818.63	5.39	3.52	0.55	-560.51	590.94	721.89	712.92	8.97	80.476		
1,000.00	989.65	834.18	825.81	5.42	3.56	0.57	-561.74	591.91	721.45	712.42	9.03	79.915		
1,100.00	1,085.84	947.78	936.75	5.86	4.11	1.19	-583.09	603.65	714.48	704.62	9.86	72.489		
1,200.00	1,182.03	1,080.39	1,066.30	6.32	4.72	2.64	-610.89	607.97	704.21	693.45	10.76	65.440		
1,300.00	1,278.22	1,181.12	1,164.31	6.79	5.17	4.26	-633.93	605.01	691.47	679.86	11.61	59.560		
1,400.00	1,374.42	1,269.59	1,249.62	7.28	5.56	6.05	-656.79	599.92	679.78	667.34	12.45	54.611		
1,500.00	1,470.61	1,358.03	1,334.20	7.79	5.97	8.07	-681.84	593.67	670.14	656.83	13.31	50.363		
1,600.00	1,566.80	1,450.15	1,421.86	8.30	6.40	10.35	-709.28	586.58	662.41	648.22	14.19	46.669		
1,700.00	1,663.00	1,539.06	1,506.09	8.82	6.84	12.66	-736.79	579.32	656.67	641.59	15.08	43.532		
1,800.00	1,759.19	1,636.76	1,598.40	9.34	7.34	15.30	-767.67	570.86	652.63	636.61	16.02	40.731		
1,900.00	1,855.38	1,740.95	1,697.04	9.87	7.89	18.15	-799.83	561.39	649.24	632.24	17.00	38.189		
2,000.00	1,951.58	1,837.23	1,788.61	10.41	8.40	20.73	-828.39	552.98	646.35	628.41	17.95	36.014		
2,056.72	2,006.13	1,882.28	1,831.45	10.71	8.64	21.92	-841.85	549.37	645.64	627.19	18.44	35.006 CC, ES		
2,100.00	2,047.77	1,913.62	1,861.17	10.95	8.81	22.72	-851.58	547.36	646.08	627.28	18.80	34.365		
2,200.00	2,143.96	1,998.37	1,941.23	11.49	9.28	24.78	-879.12	543.74	650.02	630.33	19.69	33.013		
2,300.00	2,240.16	2,095.87	2,033.42	12.04	9.84	27.03	-910.71	540.68	655.38	634.72	20.66	31.718		
2,400.00	2,336.35	2,199.72	2,131.86	12.58	10.42	29.32	-943.68	537.97	661.29	639.60	21.68	30.495		
2,500.00	2,432.54	2,298.98	2,226.31	13.13	10.98	31.43	-974.12	535.55	667.09	644.41	22.68	29.412		
2,600.00	2,528.74	2,395.61	2,318.24	13.69	11.53	33.46	-1,003.75	533.02	673.76	650.10	23.67	28.470		
2,700.00	2,624.93	2,497.23	2,414.86	14.24	12.10	35.70	-1,034.93	528.62	681.10	656.40	24.70	27.580		
2,800.00	2,721.12	2,592.72	2,505.84	14.80	12.64	37.69	-1,063.72	525.29	688.96	663.28	25.68	26.824		
2,900.00	2,817.32	2,686.98	2,595.63	15.35	13.17	39.54	-1,092.32	522.89	697.96	671.29	26.67	26.171		
3,000.00	2,913.51	2,781.23	2,685.34	15.91	13.71	41.28	-1,121.20	521.22	708.08	680.43	27.66	25.602		
3,100.00	3,009.70	2,877.02	2,776.39	16.47	14.26	43.09	-1,150.79	518.51	719.16	690.49	28.67	25.087		
3,200.00	3,105.90	2,967.09	2,861.81	17.03	14.78	44.84	-1,179.07	514.59	731.50	701.87	29.63	24.687		
3,300.00	3,202.09	3,056.87	2,946.73	17.59	15.30	46.52	-1,207.99	510.91	745.45	714.86	30.59	24.366		
3,400.00	3,298.28	3,159.52	3,043.80	18.15	15.89	48.34	-1,241.16	507.14	760.22	728.52	31.69	23.986		
3,500.00	3,394.48	3,254.49	3,133.73	18.72	16.45	49.92	-1,271.55	504.22	775.25	742.53	32.72	23.694		
3,600.00	3,490.67	3,349.80	3,223.92	19.28	17.00	51.50	-1,302.14	500.46	791.11	757.35	33.75	23.438		
3,700.00	3,586.86	3,463.97	3,332.39	19.84	17.66	53.35	-1,337.39	495.71	806.36	771.38	34.99	23.048		
3,800.00	3,683.06	3,571.80	3,435.38	20.41	18.27	54.97	-1,369.19	492.48	820.64	784.49	36.15	22.703		
3,900.00	3,779.25	3,672.12	3,531.50	20.97	18.83	56.34	-1,397.88	490.83	834.25	797.02	37.23	22.405		
4,000.00	3,875.44	3,764.47	3,619.90	21.54	19.35	57.58	-1,424.49	488.84	848.65	810.40	38.25	22.187		
4,100.00	3,971.64	3,871.21	3,722.14	22.11	19.95	59.07	-1,455.00	485.22	863.59	824.18	39.41	21.913		
4,200.00	4,067.83	3,952.32	3,799.95	22.67	20.40	60.17	-1,477.69	482.49	878.48	838.16	40.32	21.788		
4,300.00	4,164.02	4,023.40	3,867.52	23.24	20.81	61.10	-1,499.53	479.55	896.58	855.48	41.10	21.813		
4,400.00	4,260.22	4,096.93	3,936.81	23.81	21.24	62.03	-1,523.91	476.04	917.66	875.77	41.89	21.905		
4,500.00	4,356.41	4,176.32	4,011.03	24.37	21.72	62.97	-1,551.77	472.08	941.08	898.34	42.75	22.016		
4,600.00	4,452.60	4,259.33	4,088.17	24.94	22.23	63.89	-1,582.17	467.99	966.27	922.62	43.65	22.138		
4,700.00	4,548.79	4,363.58	4,184.87	25.51	22.88	64.95	-1,620.85	463.33	992.08	947.22	44.86	22.115		
4,800.00	4,644.99	4,469.24	4,283.29	26.08	23.53	65.96	-1,659.05	459.07	1,017.07	970.98	46.09	22.068		
4,900.00	4,741.18	4,576.43	4,383.51	26.65	24.18	66.94	-1,696.87	455.11	1,041.35	994.02	47.33	22.002		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,685.63	4,486.12	27.21	24.84	67.90	-1,734.03	451.47	1,064.52	1,015.93	48.59	21.909		
5,100.00	4,933.57	4,791.54	4,585.97	27.78	25.47	68.81	-1,769.18	447.98	1,087.13	1,037.33	49.80	21.830		
5,200.00	5,029.76	4,904.25	4,692.71	28.35	26.13	69.75	-1,805.22	444.57	1,108.71	1,057.62	51.08	21.703		
5,300.00	5,125.95	5,028.76	4,811.31	28.92	26.85	70.73	-1,843.02	441.92	1,128.65	1,076.16	52.48	21.506		
5,400.00	5,222.15	5,131.48	4,909.74	29.49	27.42	71.57	-1,872.27	439.41	1,147.19	1,093.56	53.63	21.391		
5,500.00	5,318.34	5,222.57	4,997.02	30.06	27.94	72.31	-1,898.24	436.92	1,166.11	1,111.45	54.66	21.335		
5,600.00	5,414.53	5,321.24	5,091.48	30.63	28.49	73.05	-1,926.64	434.68	1,185.27	1,129.50	55.77	21.255		
5,700.00	5,510.73	5,433.76	5,199.14	31.20	29.13	73.83	-1,959.31	432.95	1,204.56	1,147.54	57.02	21.127		
5,800.00	5,606.92	5,552.85	5,313.89	31.77	29.78	74.65	-1,991.16	432.31	1,221.32	1,163.00	58.31	20.944		
5,900.00	5,703.11	5,640.37	5,398.20	32.34	30.26	75.21	-2,014.65	432.09	1,238.29	1,178.98	59.31	20.878		
6,000.00	5,799.31	5,734.79	5,488.99	32.91	30.78	75.81	-2,040.59	431.47	1,256.15	1,195.78	60.37	20.806		
6,100.00	5,895.50	5,808.48	5,559.70	33.48	31.20	76.26	-2,061.30	431.03	1,274.78	1,213.56	61.22	20.822		
6,200.00	5,991.69	5,891.29	5,638.77	34.05	31.67	76.78	-2,085.80	428.61	1,295.82	1,233.66	62.16	20.846		
6,300.00	6,087.89	5,990.91	5,734.37	34.62	32.23	77.49	-2,113.48	424.57	1,316.16	1,252.88	63.29	20.797		
6,400.00	6,184.08	6,061.25	5,801.47	35.19	32.63	77.94	-2,134.39	421.66	1,338.33	1,274.27	64.07	20.889		
6,500.00	6,280.27	6,204.60	5,937.86	35.77	33.45	78.76	-2,178.18	416.59	1,361.65	1,295.95	65.70	20.725		
6,535.30	6,314.23	6,252.23	5,983.70	35.97	33.72	79.04	-2,191.09	415.78	1,368.25	1,302.02	66.23	20.660		
6,550.00	6,328.40	6,262.32	5,993.40	36.05	33.77	75.88	-2,193.86	415.63	1,370.97	1,304.63	66.34	20.665		
6,600.00	6,377.01	6,296.88	6,026.55	36.31	33.97	61.38	-2,203.64	415.12	1,379.21	1,312.50	66.71	20.675		
6,650.00	6,426.00	6,331.95	6,060.04	36.54	34.16	40.87	-2,214.00	414.62	1,385.81	1,318.78	67.03	20.675		
6,700.00	6,475.08	6,368.21	6,094.56	36.73	34.38	18.25	-2,225.10	414.05	1,390.71	1,323.40	67.32	20.659		
6,750.00	6,523.94	6,404.27	6,128.77	36.90	34.59	-0.34	-2,236.49	413.40	1,393.90	1,326.33	67.57	20.630		
6,800.00	6,572.28	6,445.71	6,167.96	37.05	34.83	-13.39	-2,249.91	412.56	1,395.31	1,327.45	67.87	20.560		
6,850.00	6,619.81	6,490.04	6,209.84	37.19	35.09	-22.41	-2,264.40	411.63	1,394.78	1,326.58	68.19	20.453		
6,900.00	6,666.23	6,535.18	6,252.46	37.32	35.36	-28.99	-2,279.28	410.68	1,392.33	1,323.80	68.54	20.315		
6,950.00	6,711.25	6,580.43	6,295.13	37.46	35.63	-34.15	-2,294.29	409.84	1,388.02	1,319.13	68.89	20.148		
7,000.00	6,754.60	6,630.99	6,342.82	37.61	35.93	-38.59	-2,311.08	409.04	1,381.94	1,312.61	69.33	19.933		
7,050.00	6,796.01	6,686.72	6,395.55	37.77	36.26	-42.70	-2,329.10	408.21	1,373.95	1,304.10	69.85	19.670		
7,100.00	6,835.22	6,740.42	6,446.54	37.94	36.57	-46.56	-2,345.94	407.53	1,364.23	1,293.86	70.37	19.388		
7,150.00	6,871.99	6,790.73	6,494.43	38.12	36.86	-50.26	-2,361.32	407.15	1,353.08	1,282.21	70.87	19.093		
7,200.00	6,906.10	6,832.35	6,534.13	38.34	37.10	-53.67	-2,373.81	407.05	1,340.88	1,269.57	71.30	18.805		
7,250.00	6,937.34	6,869.96	6,570.04	38.57	37.31	-56.93	-2,384.99	407.13	1,328.03	1,256.30	71.74	18.513		
7,300.00	6,965.51	6,903.46	6,602.06	38.84	37.51	-60.02	-2,394.86	407.35	1,314.88	1,242.71	72.17	18.219		
7,350.00	6,990.44	6,918.75	6,616.59	39.14	37.59	-62.35	-2,399.59	407.83	1,301.96	1,229.49	72.47	17.965		
7,400.00	7,011.97	6,934.85	6,631.88	39.47	37.69	-64.59	-2,404.62	408.44	1,289.50	1,216.67	72.83	17.705		
7,450.00	7,029.98	6,947.23	6,643.59	39.85	37.76	-66.54	-2,408.56	409.04	1,277.77	1,204.56	73.21	17.454		
7,500.00	7,044.34	6,956.09	6,651.96	40.26	37.81	-68.18	-2,411.42	409.54	1,266.99	1,193.38	73.61	17.213		
7,550.00	7,054.99	6,961.67	6,657.23	40.72	37.84	-69.49	-2,413.24	409.89	1,257.34	1,183.31	74.03	16.984		
7,600.00	7,061.83	6,964.21	6,659.62	41.21	37.86	-70.48	-2,414.08	410.06	1,248.96	1,174.49	74.47	16.771		
7,650.00	7,064.85	6,963.94	6,659.37	41.73	37.85	-71.15	-2,413.99	410.04	1,241.95	1,167.01	74.94	16.573		
7,661.89	7,065.00	6,963.49	6,658.94	41.86	37.85	-71.27	-2,413.84	410.01	1,240.49	1,165.44	75.05	16.529		
7,700.00	7,065.13	6,961.84	6,657.39	42.28	37.84	-71.19	-2,413.30	409.90	1,236.53	1,161.10	75.43	16.394		
7,800.00	7,065.47	6,957.82	6,653.59	43.53	37.82	-71.00	-2,411.99	409.65	1,231.68	1,155.16	76.51	16.097		
7,810.04	7,065.51	6,957.43	6,653.23	43.67	37.82	-70.99	-2,411.86	409.62	1,231.64	1,155.00	76.64	16.071		
7,900.00	7,065.82	6,954.17	6,650.15	44.94	37.80	-70.83	-2,410.80	409.43	1,234.91	1,157.20	77.71	15.892		
8,000.00	7,066.16	6,950.85	6,647.02	46.50	37.78	-70.68	-2,409.73	409.24	1,246.17	1,167.22	78.95	15.783		
8,100.00	7,066.50	6,947.82	6,644.15	48.19	37.76	-70.54	-2,408.75	409.07	1,265.24	1,185.04	80.20	15.776 SF		
8,200.00	7,066.85	6,945.04	6,641.52	50.00	37.75	-70.41	-2,407.86	408.92	1,291.79	1,210.38	81.41	15.868		
8,300.00	7,067.19	6,942.48	6,639.10	51.91	37.73	-70.29	-2,407.04	408.79	1,325.35	1,242.82	82.53	16.058		
8,400.00	7,067.54	6,940.12	6,636.86	53.92	37.72	-70.18	-2,406.29	408.68	1,365.42	1,281.86	83.56	16.341		
8,500.00	7,067.88	6,937.93	6,634.79	56.01	37.70	-70.08	-2,405.59	408.57	1,411.44	1,326.97	84.47	16.709		
8,600.00	7,068.22	6,935.90	6,632.86	58.16	37.69	-69.98	-2,404.95	408.48	1,462.86	1,377.59	85.27	17.156		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,934.00	6,631.07	60.38	37.68	-69.90	-2,404.35	408.40	1,519.12	1,433.16	85.95	17.673		
8,800.00	7,068.91	6,932.23	6,629.39	62.65	37.67	-69.81	-2,403.80	408.32	1,579.70	1,493.17	86.54	18.255		
8,900.00	7,069.25	6,930.58	6,627.82	64.97	37.66	-69.74	-2,403.28	408.26	1,644.14	1,557.12	87.02	18.894		
9,000.00	7,069.60	6,929.03	6,626.35	67.34	37.65	-69.67	-2,402.79	408.19	1,711.99	1,624.57	87.42	19.583		
9,100.00	7,069.94	6,927.57	6,624.97	69.74	37.64	-69.60	-2,402.33	408.14	1,782.87	1,695.12	87.75	20.317		
9,200.00	7,070.28	6,926.20	6,623.67	72.18	37.64	-69.53	-2,401.91	408.09	1,856.43	1,768.41	88.02	21.090		
9,300.00	7,070.63	6,924.91	6,622.44	74.65	37.63	-69.47	-2,401.50	408.04	1,932.36	1,844.12	88.24	21.899		
9,400.00	7,070.97	6,923.68	6,621.28	77.15	37.62	-69.42	-2,401.12	407.99	2,010.40	1,921.99	88.41	22.740		
9,500.00	7,071.32	6,922.53	6,620.18	79.67	37.62	-69.36	-2,400.76	407.95	2,090.31	2,001.76	88.55	23.607		
9,600.00	7,071.66	6,921.43	6,619.14	82.22	37.61	-69.31	-2,400.42	407.92	2,171.88	2,083.23	88.65	24.500		
9,700.00	7,072.00	6,920.39	6,618.15	84.78	37.60	-69.27	-2,400.10	407.88	2,254.93	2,166.20	88.73	25.414		
9,800.00	7,072.35	6,919.40	6,617.21	87.37	37.60	-69.22	-2,399.80	407.85	2,339.31	2,250.52	88.79	26.347		
9,900.00	7,072.69	6,918.46	6,616.32	89.97	37.59	-69.18	-2,399.51	407.82	2,424.87	2,336.04	88.83	27.298		
10,000.00	7,073.03	6,917.57	6,615.47	92.59	37.59	-69.13	-2,399.23	407.79	2,511.50	2,422.65	88.86	28.264		
10,100.00	7,073.38	6,916.68	6,614.63	95.22	37.41	-67.72	-2,390.02	407.23	2,599.66	2,511.09	88.58	29.349		
10,200.00	7,073.72	6,915.83	6,613.83	97.86	37.41	-67.72	-2,390.02	407.23	2,688.08	2,599.49	88.60	30.341		
10,300.00	7,074.07	6,915.00	6,613.06	100.52	37.41	-67.72	-2,390.02	407.23	2,777.29	2,688.68	88.61	31.344		
10,400.00	7,074.41	6,914.20	6,612.32	103.19	37.41	-67.72	-2,390.02	407.23	2,867.21	2,778.59	88.61	32.357		
10,500.00	7,074.75	6,913.43	6,611.61	105.87	37.41	-67.72	-2,390.02	407.23	2,957.77	2,869.16	88.61	33.380		
10,600.00	7,075.10	6,912.68	6,610.93	108.55	37.41	-67.72	-2,390.02	407.23	3,048.93	2,960.32	88.60	34.410		
10,700.00	7,075.44	6,911.95	6,610.28	111.25	37.41	-67.72	-2,390.02	407.23	3,140.62	3,052.02	88.60	35.448		
10,800.00	7,075.78	6,911.24	6,609.65	113.96	37.41	-67.72	-2,390.02	407.23	3,232.80	3,144.22	88.59	36.493		
10,900.00	7,076.13	6,910.55	6,609.04	116.67	37.41	-67.72	-2,390.02	407.23	3,325.44	3,236.87	88.57	37.544		
11,000.00	7,076.47	6,909.88	6,608.45	119.39	37.41	-67.72	-2,390.02	407.23	3,418.49	3,329.93	88.56	38.600		
11,100.00	7,076.81	6,909.23	6,607.88	122.11	37.41	-67.72	-2,390.02	407.23	3,511.93	3,423.38	88.55	39.661		
11,200.00	7,077.16	6,908.59	6,607.33	124.85	37.41	-67.72	-2,390.02	407.23	3,605.71	3,517.18	88.53	40.726		
11,300.00	7,077.50	6,907.96	6,606.80	127.58	37.41	-67.72	-2,390.02	407.23	3,699.83	3,611.30	88.52	41.796		
11,400.00	7,077.85	6,907.34	6,606.28	130.33	37.41	-67.72	-2,390.02	407.23	3,794.24	3,705.73	88.51	42.869		
11,500.00	7,078.19	6,906.73	6,605.77	133.08	37.41	-67.72	-2,390.02	407.23	3,888.93	3,800.44	88.49	43.945		
11,600.00	7,078.53	6,906.13	6,605.27	135.83	37.41	-67.72	-2,390.02	407.23	3,983.88	3,895.40	88.48	45.024		
11,700.00	7,078.88	6,905.54	6,604.78	138.59	37.41	-67.72	-2,390.02	407.23	4,079.08	3,990.60	88.47	46.106		
11,800.00	7,079.22	6,904.96	6,604.30	141.35	37.41	-67.72	-2,390.02	407.23	4,174.49	4,086.03	88.46	47.190		
11,900.00	7,079.56	6,904.39	6,603.83	144.11	37.41	-67.72	-2,390.02	407.23	4,270.12	4,181.67	88.45	48.276		
12,000.00	7,079.91	6,903.83	6,603.37	146.88	37.41	-67.72	-2,390.02	407.23	4,365.94	4,277.50	88.44	49.364		
12,100.00	7,080.25	6,903.28	6,602.92	149.66	37.41	-67.72	-2,390.02	407.23	4,461.95	4,373.51	88.44	50.454		
12,200.00	7,080.60	6,902.73	6,602.48	152.43	37.41	-67.72	-2,390.02	407.23	4,558.13	4,469.70	88.43	51.545		
12,300.00	7,080.94	6,902.19	6,602.04	155.21	37.41	-67.72	-2,390.02	407.23	4,654.47	4,566.04	88.43	52.637		
12,400.00	7,081.28	6,901.65	6,601.61	157.99	37.41	-67.72	-2,390.02	407.23	4,750.96	4,662.54	88.42	53.730		
12,500.00	7,081.63	6,901.11	6,601.18	160.78	37.41	-67.72	-2,390.02	407.23	4,847.59	4,759.17	88.42	54.824		
12,600.00	7,081.97	6,900.58	6,600.75	163.57	37.41	-67.72	-2,390.02	407.23	4,944.36	4,855.94	88.42	55.919		
12,700.00	7,082.31	6,900.05	6,600.33	166.36	37.41	-67.72	-2,390.02	407.23	5,041.25	4,952.83	88.42	57.014		
12,800.00	7,082.66	6,899.52	6,600.00	169.15	37.41	-67.72	-2,390.02	407.23	5,138.27	5,049.84	88.42	58.110		
12,900.00	7,083.00	6,898.99	6,599.67	171.94	37.41	-67.72	-2,390.02	407.23	5,235.39	5,146.96	88.43	59.206		
13,000.00	7,083.35	6,898.46	6,599.34	174.74	37.41	-67.72	-2,390.02	407.23	5,332.62	5,244.19	88.43	60.302		
13,100.00	7,083.69	6,897.93	6,599.01	177.54	37.41	-67.72	-2,390.02	407.23	5,429.95	5,341.51	88.44	61.399		
13,200.00	7,084.03	6,897.40	6,598.68	180.34	37.41	-67.72	-2,390.02	407.23	5,527.38	5,438.93	88.45	62.495		
13,300.00	7,084.38	6,896.87	6,598.35	183.14	37.41	-67.72	-2,390.02	407.23	5,624.90	5,536.44	88.45	63.591		
13,400.00	7,084.72	6,896.34	6,598.02	185.95	37.41	-67.72	-2,390.02	407.23	5,722.50	5,634.03	88.46	64.687		
13,500.00	7,085.06	6,895.81	6,597.69	188.76	37.41	-67.72	-2,390.02	407.23	5,820.18	5,731.71	88.48	65.782		
13,600.00	7,085.41	6,895.28	6,597.36	191.56	37.41	-67.72	-2,390.02	407.23	5,917.94	5,829.46	88.49	66.878		
13,700.00	7,085.75	6,894.75	6,597.03	194.37	37.41	-67.72	-2,390.02	407.23	6,015.78	5,927.28	88.50	67.972		
13,800.00	7,086.09	6,894.22	6,596.70	197.18	37.41	-67.72	-2,390.02	407.23	6,113.69	6,025.17	88.52	69.066		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,887.00	6,586.33	200.00	37.41	-67.72	-2,390.02	407.23	6,211.66	6,123.12	88.54	70.160		
14,000.00	7,086.78	6,887.00	6,586.33	202.81	37.41	-67.72	-2,390.02	407.23	6,309.69	6,221.14	88.55	71.253		
14,100.00	7,087.13	6,887.00	6,586.33	205.63	37.41	-67.72	-2,390.02	407.23	6,407.79	6,319.22	88.57	72.345		
14,200.00	7,087.47	6,887.00	6,586.33	208.44	37.41	-67.72	-2,390.02	407.23	6,505.94	6,417.35	88.59	73.436		
14,300.00	7,087.81	6,887.00	6,586.33	211.26	37.41	-67.72	-2,390.02	407.23	6,604.15	6,515.54	88.62	74.526		
14,400.00	7,088.16	6,887.00	6,586.33	214.08	37.41	-67.72	-2,390.02	407.23	6,702.42	6,613.78	88.64	75.615		
14,500.00	7,088.50	6,887.00	6,586.33	216.90	37.41	-67.72	-2,390.02	407.23	6,800.73	6,712.07	88.66	76.703		
14,600.00	7,088.84	6,887.00	6,586.33	219.72	37.41	-67.72	-2,390.02	407.23	6,899.09	6,810.40	88.69	77.791		
14,700.00	7,089.19	6,887.00	6,586.33	222.54	37.41	-67.72	-2,390.02	407.23	6,997.50	6,908.78	88.71	78.877		
14,800.00	7,089.53	6,887.00	6,586.33	225.37	37.41	-67.72	-2,390.02	407.23	7,095.95	7,007.21	88.74	79.961		
14,900.00	7,089.88	6,887.00	6,586.33	228.19	37.41	-67.72	-2,390.02	407.23	7,194.45	7,105.68	88.77	81.045		
15,000.00	7,090.22	6,887.00	6,586.33	231.02	37.41	-67.72	-2,390.02	407.23	7,292.98	7,204.18	88.80	82.127		
15,100.00	7,090.56	6,887.00	6,586.33	233.84	37.41	-67.72	-2,390.02	407.23	7,391.56	7,302.73	88.83	83.208		
15,200.00	7,090.91	6,887.00	6,586.33	236.67	37.41	-67.72	-2,390.02	407.23	7,490.17	7,401.31	88.86	84.288		
15,227.29	7,091.00	6,887.00	6,586.33	237.44	37.41	-67.72	-2,390.02	407.23	7,517.09	7,428.22	88.87	84.582		
15,300.00	7,091.25	6,887.00	6,586.33	239.49	37.41	-70.64	-2,390.02	407.23	7,588.67	7,499.78	88.90	85.366		
15,326.57	7,091.35	6,887.00	6,586.33	240.24	37.41	-71.53	-2,390.02	407.23	7,614.76	7,525.86	88.90	85.652		
15,400.00	7,091.60	6,887.00	6,586.33	242.30	37.41	-71.53	-2,390.02	407.23	7,686.81	7,597.89	88.93	86.441		
15,500.00	7,091.96	6,887.00	6,586.33	245.12	37.41	-71.53	-2,390.02	407.23	7,784.97	7,696.02	88.96	87.514		
15,600.00	7,092.31	6,887.00	6,586.33	247.93	37.41	-71.53	-2,390.02	407.23	7,883.18	7,794.19	88.99	88.586		
15,700.00	7,092.66	6,887.00	6,586.33	250.75	37.41	-71.53	-2,390.02	407.23	7,981.43	7,892.41	89.02	89.656		
15,800.00	7,093.01	6,887.00	6,586.33	253.56	37.41	-71.53	-2,390.02	407.23	8,079.73	7,990.67	89.06	90.725		
15,900.00	7,093.36	6,887.00	6,586.33	256.38	37.41	-71.53	-2,390.02	407.23	8,178.06	8,088.97	89.09	91.793		
16,000.00	7,093.71	6,887.00	6,586.33	259.20	37.41	-71.53	-2,390.02	407.23	8,276.44	8,187.31	89.13	92.859		
16,100.00	7,094.07	6,887.00	6,586.33	262.02	37.41	-71.53	-2,390.02	407.23	8,374.85	8,285.69	89.17	93.923		
16,200.00	7,094.42	6,887.00	6,586.33	264.84	37.41	-71.53	-2,390.02	407.23	8,473.31	8,384.10	89.21	94.986		
16,300.00	7,094.77	6,887.00	6,586.33	267.65	37.41	-71.53	-2,390.02	407.23	8,571.79	8,482.55	89.25	96.047		
16,400.00	7,095.12	6,887.00	6,586.33	270.47	37.41	-71.53	-2,390.02	407.23	8,670.32	8,581.03	89.29	97.106		
16,500.00	7,095.47	6,887.00	6,586.33	273.30	37.41	-71.53	-2,390.02	407.23	8,768.87	8,679.54	89.33	98.164		
16,600.00	7,095.82	6,887.00	6,586.33	276.12	37.41	-71.53	-2,390.02	407.23	8,867.46	8,778.09	89.37	99.220		
16,700.00	7,096.18	6,887.00	6,586.33	278.94	37.41	-71.53	-2,390.02	407.23	8,966.08	8,876.66	89.42	100.274		
16,800.00	7,096.53	6,887.00	6,586.33	281.76	37.41	-71.53	-2,390.02	407.23	9,064.73	8,975.27	89.46	101.326		
16,900.00	7,096.88	6,887.00	6,586.33	284.58	37.41	-71.53	-2,390.02	407.23	9,163.41	9,073.90	89.51	102.377		
17,000.00	7,097.23	6,887.00	6,586.33	287.41	37.41	-71.53	-2,390.02	407.23	9,262.12	9,172.56	89.55	103.425		
17,100.00	7,097.58	6,887.00	6,586.33	290.23	37.41	-71.53	-2,390.02	407.23	9,360.85	9,271.25	89.60	104.472		
17,200.00	7,097.93	6,887.00	6,586.33	293.06	37.41	-71.53	-2,390.02	407.23	9,459.61	9,369.96	89.65	105.517		
17,300.00	7,098.29	6,887.00	6,586.33	295.88	37.41	-71.53	-2,390.02	407.23	9,558.40	9,468.70	89.70	106.560		
17,400.00	7,098.64	6,887.00	6,586.33	298.71	37.41	-71.53	-2,390.02	407.23	9,657.21	9,567.46	89.75	107.600		
17,500.00	7,098.99	6,887.00	6,586.33	301.53	37.41	-71.53	-2,390.02	407.23	9,756.05	9,666.24	89.80	108.639		
17,600.00	7,099.34	6,887.00	6,586.33	304.36	37.41	-71.53	-2,390.02	407.23	9,854.91	9,765.05	89.86	109.676		
17,700.00	7,099.69	6,887.00	6,586.33	307.19	37.41	-71.53	-2,390.02	407.23	9,953.79	9,863.88	89.91	110.710		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	132.04	-457.93	507.82	683.88					
100.00	100.00	85.29	85.29	3.28	3.29	132.06	-458.25	507.84	684.04	677.47	6.57	104.112		
200.00	200.00	181.11	181.10	3.34	3.30	132.13	-459.37	507.92	684.88	678.24	6.64	103.118		
300.00	299.98	284.68	284.66	3.44	3.36	-0.79	-460.93	508.11	684.30	677.49	6.80	100.560		
400.00	399.84	389.62	389.60	3.59	3.49	-0.83	-460.73	508.49	679.20	672.11	7.08	95.868		
500.00	499.45	491.65	491.63	3.80	3.66	-0.88	-460.23	508.54	670.19	662.73	7.46	89.880		
600.00	598.70	577.96	577.93	4.04	3.84	-0.93	-460.12	509.01	658.34	650.47	7.87	83.603		
700.00	697.47	663.12	663.03	4.32	4.04	-1.17	-459.81	512.25	645.26	636.90	8.36	77.194		
800.00	795.62	748.15	747.82	4.65	4.27	-1.64	-458.94	518.37	630.83	621.93	8.90	70.866		
900.00	893.06	835.54	834.75	5.02	4.53	-2.34	-457.81	527.28	615.08	605.58	9.50	64.738		
993.00	982.91	923.91	922.51	5.39	4.80	-3.18	-456.79	537.63	598.60	588.48	10.12	59.170		
1,000.00	989.65	931.00	929.55	5.42	4.83	-3.24	-456.75	538.42	597.25	587.08	10.17	58.731		
1,100.00	1,085.84	1,039.72	1,037.77	5.86	5.19	-4.06	-457.09	548.76	577.36	566.46	10.89	52.995		
1,200.00	1,182.03	1,158.39	1,156.27	6.32	5.60	-4.59	-458.47	554.71	554.61	542.93	11.68	47.498		
1,300.00	1,278.22	1,271.13	1,269.00	6.79	5.99	-4.91	-458.86	555.81	528.27	515.83	12.44	42.451		
1,400.00	1,374.42	1,370.12	1,367.99	7.28	6.34	-5.22	-458.19	555.47	500.38	487.19	13.19	37.927		
1,500.00	1,470.61	1,466.01	1,463.87	7.79	6.69	-5.51	-457.76	554.66	472.26	458.30	13.95	33.844		
1,600.00	1,566.80	1,559.81	1,557.67	8.30	7.03	-5.80	-457.57	553.93	444.34	429.62	14.73	30.169		
1,700.00	1,663.00	1,653.62	1,651.48	8.82	7.39	-6.21	-457.34	554.13	417.17	401.64	15.52	26.873		
1,800.00	1,759.19	1,751.47	1,749.33	9.34	7.77	-6.74	-456.75	554.34	389.82	373.48	16.34	23.864		
1,900.00	1,855.38	1,846.59	1,844.45	9.87	8.14	-7.36	-456.14	554.69	362.60	345.44	17.16	21.134		
2,000.00	1,951.58	1,951.28	1,949.08	10.41	8.56	-8.54	-453.04	555.36	334.37	316.40	17.97	18.604		
2,100.00	2,047.77	2,057.94	2,055.47	10.95	8.99	-10.54	-445.63	554.72	303.18	284.42	18.76	16.158		
2,200.00	2,143.96	2,160.54	2,157.44	11.49	9.40	-13.52	-434.55	552.29	269.03	249.48	19.55	13.762		
2,300.00	2,240.16	2,255.00	2,251.00	12.04	9.78	-17.42	-422.16	548.57	233.28	212.86	20.41	11.427		
2,400.00	2,336.35	2,345.61	2,340.50	12.58	10.15	-23.19	-408.17	546.63	199.55	178.15	21.40	9.324		
2,500.00	2,432.54	2,436.24	2,429.59	13.13	10.53	-31.93	-391.63	545.54	168.74	146.20	22.54	7.487		
2,600.00	2,528.74	2,525.13	2,516.43	13.69	10.90	-44.51	-372.63	545.93	144.99	121.10	23.89	6.069		
2,700.00	2,624.93	2,613.29	2,601.93	14.24	11.27	-60.93	-351.16	546.38	132.63	107.36	25.27	5.249		
2,723.28	2,647.32	2,633.11	2,621.05	14.37	11.35	-64.98	-345.97	546.54	132.12	106.58	25.54	5.174 CC, ES, SF		
2,800.00	2,721.12	2,698.72	2,684.10	14.80	11.63	-78.42	-327.84	547.45	137.73	111.57	26.16	5.264		
2,900.00	2,817.32	2,787.16	2,768.97	15.35	12.02	-94.41	-302.97	548.00	158.33	131.67	26.66	5.940		
3,000.00	2,913.51	2,871.69	2,848.82	15.91	12.39	-106.54	-278.28	547.41	190.15	163.27	26.87	7.075		
3,100.00	3,009.70	2,957.88	2,931.98	16.47	12.78	-115.93	-252.32	545.62	229.29	202.06	27.24	8.419		
3,200.00	3,105.90	3,041.84	3,011.93	17.03	13.17	-122.65	-226.78	543.52	272.85	245.21	27.64	9.871		
3,300.00	3,202.09	3,128.94	3,094.85	17.59	13.57	-127.81	-200.22	541.39	319.01	290.74	28.27	11.286		
3,400.00	3,298.28	3,214.07	3,175.99	18.15	13.97	-131.69	-174.56	538.89	366.43	337.55	28.89	12.685		
3,500.00	3,394.48	3,304.06	3,261.80	18.72	14.40	-134.59	-147.48	538.04	414.72	385.00	29.71	13.957		
3,600.00	3,490.67	3,397.14	3,350.97	19.28	14.84	-137.00	-120.82	537.01	462.34	431.70	30.63	15.094		
3,700.00	3,586.86	3,492.04	3,442.19	19.84	15.30	-138.72	-94.68	538.18	509.10	477.50	31.60	16.110		
3,800.00	3,683.06	3,577.74	3,524.84	20.41	15.70	-140.15	-72.01	538.27	555.31	522.96	32.35	17.167		
3,900.00	3,779.25	3,665.96	3,609.75	20.97	16.13	-141.53	-48.13	536.91	602.62	569.47	33.16	18.175		
4,000.00	3,875.44	3,752.16	3,693.00	21.54	16.54	-142.82	-25.91	534.45	649.29	615.37	33.93	19.138		
4,100.00	3,971.64	3,824.33	3,762.33	22.11	16.89	-143.74	-5.98	532.35	697.80	663.38	34.42	20.276		
4,200.00	4,067.83	3,901.22	3,835.74	22.67	17.27	-144.45	16.85	531.60	747.87	712.84	35.03	21.349		
4,300.00	4,164.02	3,977.29	3,907.97	23.24	17.65	-144.94	40.70	532.18	799.09	763.44	35.65	22.413		
4,400.00	4,260.22	4,069.74	3,995.57	23.81	18.12	-145.40	70.26	533.59	850.74	814.11	36.63	23.226		
4,500.00	4,356.41	4,178.36	4,099.11	24.37	18.66	-145.91	103.02	535.24	900.85	862.95	37.90	23.768		
4,600.00	4,452.60	4,277.89	4,194.70	24.94	19.15	-146.43	130.73	535.71	949.20	910.23	38.97	24.358		
4,700.00	4,548.79	4,376.27	4,289.58	25.51	19.64	-146.97	156.74	535.37	996.57	956.58	40.00	24.916		
4,800.00	4,644.99	4,444.14	4,354.99	26.08	19.98	-147.34	174.82	534.47	1,044.42	1,003.91	40.51	25.784		
4,900.00	4,741.18	4,528.40	4,435.94	26.65	20.40	-147.81	198.09	532.44	1,093.45	1,052.15	41.30	26.476		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,607.84	4,512.33	27.21	20.80	-148.26	219.74	529.71	1,142.52	1,100.50	42.01	27.195		
5,100.00	4,933.57	4,690.19	4,591.23	27.78	21.21	-148.66	243.20	527.36	1,192.52	1,149.74	42.78	27.874		
5,200.00	5,029.76	4,776.80	4,674.37	28.35	21.65	-149.06	267.31	524.66	1,242.09	1,198.47	43.63	28.470		
5,300.00	5,125.95	4,842.00	4,736.69	28.92	21.98	-149.31	286.38	522.82	1,292.81	1,248.69	44.12	29.300		
5,400.00	5,222.15	4,957.13	4,846.74	29.49	22.57	-149.63	320.17	521.71	1,343.09	1,297.64	45.45	29.552		
5,500.00	5,318.34	5,043.73	4,929.77	30.06	23.01	-149.87	344.77	520.85	1,392.63	1,346.33	46.30	30.077		
5,600.00	5,414.53	5,135.78	5,018.13	30.63	23.48	-150.13	370.51	519.29	1,442.01	1,394.78	47.24	30.526		
5,700.00	5,510.73	5,229.50	5,108.24	31.20	23.96	-150.40	396.21	517.36	1,491.05	1,442.86	48.20	30.937		
5,800.00	5,606.92	5,335.34	5,210.10	31.77	24.49	-150.65	424.92	516.14	1,539.65	1,490.32	49.33	31.211		
5,900.00	5,703.11	5,438.34	5,309.79	32.34	25.01	-150.90	450.80	515.21	1,586.33	1,535.92	50.41	31.469		
6,000.00	5,799.31	5,498.87	5,368.25	32.91	25.31	-151.06	466.41	513.89	1,634.07	1,583.18	50.89	32.113		
6,100.00	5,895.50	5,576.39	5,442.94	33.48	25.71	-151.27	487.06	511.59	1,682.80	1,631.20	51.60	32.609		
6,200.00	5,991.69	5,656.88	5,520.40	34.05	26.12	-151.49	508.74	508.75	1,731.98	1,679.62	52.37	33.073		
6,300.00	6,087.89	5,755.80	5,615.65	34.62	26.62	-151.77	535.15	504.73	1,781.17	1,727.78	53.39	33.359		
6,400.00	6,184.08	5,823.75	5,681.09	35.19	26.97	-151.94	553.25	502.23	1,830.25	1,776.27	53.99	33.903		
6,500.00	6,280.27	5,887.37	5,742.07	35.77	27.29	-152.07	571.27	500.11	1,880.57	1,826.05	54.52	34.495		
6,535.30	6,314.23	5,914.44	5,767.97	35.97	27.44	-152.12	579.11	499.26	1,898.52	1,843.74	54.77	34.662		
6,550.00	6,328.40	5,925.73	5,778.76	36.05	27.49	-156.30	582.40	498.92	1,905.96	1,851.08	54.88	34.731		
6,600.00	6,377.01	5,965.03	5,816.31	36.31	27.70	-173.89	593.93	497.76	1,930.61	1,875.37	55.24	34.950		
6,650.00	6,426.00	6,013.35	5,862.47	36.54	27.95	163.07	608.15	496.44	1,953.99	1,898.27	55.72	35.069		
6,700.00	6,475.08	6,069.25	5,915.92	36.73	28.24	138.53	624.50	495.11	1,975.89	1,919.60	56.29	35.099		
6,750.00	6,523.94	6,750.00	5,977.06	36.90	31.76	118.66	642.33	494.36	1,995.45	1,935.38	60.07	33.218		
6,800.00	6,572.28	6,206.02	6,047.38	37.05	28.94	105.05	662.16	493.56	2,013.13	1,955.36	57.77	34.849		
6,850.00	6,619.81	6,251.04	6,090.79	37.19	29.17	95.73	674.05	492.60	2,029.21	1,971.03	58.19	34.873		
6,900.00	6,666.23	6,273.46	6,112.38	37.32	29.29	89.02	680.09	492.04	2,043.98	1,985.66	58.32	35.048		
6,950.00	6,711.25	6,298.68	6,136.61	37.46	29.42	84.21	687.05	491.36	2,057.52	1,999.01	58.51	35.167		
7,000.00	6,754.60	6,335.00	6,171.41	37.61	29.61	80.83	697.39	490.31	2,069.87	2,011.00	58.87	35.158		
7,050.00	6,796.01	6,350.83	6,186.54	37.77	29.69	77.99	702.00	489.82	2,080.86	2,021.87	58.99	35.275		
7,100.00	6,835.22	6,382.40	6,216.72	37.94	29.86	76.08	711.22	488.82	2,090.54	2,031.17	59.37	35.213		
7,150.00	6,871.99	6,412.17	6,245.16	38.12	30.01	74.65	719.97	487.84	2,098.88	2,039.11	59.78	35.113		
7,200.00	6,906.10	6,467.27	6,297.82	38.34	30.30	74.19	736.10	486.28	2,105.85	2,045.25	60.60	34.750		
7,250.00	6,937.34	7,250.00	6,330.00	38.57	34.37	73.64	745.49	486.27	2,110.90	2,046.01	64.89	32.529		
7,300.00	6,965.51	6,564.38	6,391.08	38.84	30.80	74.10	763.16	485.97	2,114.80	2,052.54	62.27	33.963		
7,350.00	6,990.44	6,593.70	6,419.32	39.14	30.95	74.02	771.03	485.64	2,117.57	2,054.61	62.95	33.638		
7,400.00	7,011.97	6,620.16	6,444.84	39.47	31.09	74.08	778.01	485.12	2,119.36	2,055.68	63.68	33.281		
7,450.00	7,029.98	6,614.00	6,438.90	39.85	31.06	73.49	776.40	485.26	2,120.42	2,056.37	64.06	33.103		
7,500.00	7,044.34	6,634.82	6,458.96	40.26	31.16	73.73	781.95	484.79	2,120.64	2,055.76	64.88	32.688		
7,550.00	7,054.99	6,641.05	6,464.95	40.72	31.20	73.74	783.63	484.64	2,120.24	2,054.66	65.58	32.332		
7,600.00	7,061.83	6,645.34	6,469.08	41.21	31.22	73.82	784.80	484.54	2,119.19	2,052.87	66.32	31.953		
7,650.00	7,064.85	6,647.65	6,471.30	41.73	31.23	73.96	785.44	484.48	2,117.53	2,050.42	67.10	31.556		
7,661.89	7,065.00	6,647.90	6,471.54	41.86	31.23	74.01	785.51	484.48	2,117.04	2,049.75	67.29	31.460		
7,700.00	7,065.13	6,648.55	6,472.16	42.28	31.23	74.02	785.68	484.46	2,115.77	2,047.86	67.92	31.153		
7,751.37	7,065.31	6,649.41	6,473.00	42.92	31.24	74.05	785.92	484.44	2,115.15	2,046.34	68.81	30.739		
7,800.00	7,065.47	6,650.24	6,473.79	43.53	31.24	74.07	786.15	484.42	2,115.71	2,046.06	69.65	30.375		
7,900.00	7,065.82	6,651.95	6,475.43	44.94	31.25	74.12	786.62	484.38	2,120.36	2,048.86	71.50	29.655		
8,000.00	7,066.16	6,653.68	6,477.10	46.50	31.26	74.16	787.10	484.33	2,129.70	2,056.28	73.42	29.007		
8,100.00	7,066.50	6,655.43	6,478.77	48.19	31.27	74.21	787.58	484.29	2,143.67	2,068.29	75.38	28.438		
8,200.00	7,066.85	6,657.19	6,480.47	50.00	31.28	74.26	788.07	484.25	2,162.18	2,084.83	77.35	27.954		
8,300.00	7,067.19	6,658.97	6,482.18	51.91	31.29	74.31	788.56	484.20	2,185.11	2,105.82	79.29	27.558		
8,400.00	7,067.54	6,660.77	6,483.91	53.92	31.30	74.36	789.06	484.15	2,212.32	2,131.13	81.19	27.248		
8,500.00	7,067.88	6,662.59	6,485.65	56.01	31.31	74.40	789.57	484.11	2,243.66	2,160.63	83.03	27.022		
8,600.00	7,068.22	6,664.43	6,487.42	58.16	31.32	74.45	790.09	484.06	2,278.96	2,194.16	84.80	26.876		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,666.29	6,489.20	60.38	31.33	74.50	790.61	484.01	2,318.03	2,231.56	86.47	26.806		
8,800.00	7,068.91	6,668.16	6,491.00	62.65	31.34	74.56	791.13	483.96	2,360.70	2,272.64	88.06	26.808		
8,900.00	7,069.25	6,670.06	6,492.82	64.97	31.35	74.61	791.67	483.91	2,406.76	2,317.21	89.55	26.876		
9,000.00	7,069.60	6,671.97	6,494.66	67.34	31.36	74.66	792.21	483.86	2,456.03	2,365.09	90.94	27.006		
9,100.00	7,069.94	6,673.91	6,496.51	69.74	31.37	74.71	792.75	483.81	2,508.32	2,416.08	92.24	27.193		
9,200.00	7,070.28	6,675.87	6,498.39	72.18	31.38	74.76	793.31	483.76	2,563.45	2,470.00	93.44	27.433		
9,300.00	7,070.63	6,677.85	6,500.29	74.65	31.39	74.82	793.87	483.70	2,621.22	2,526.67	94.56	27.721		
9,400.00	7,070.97	6,679.85	6,502.20	77.15	31.40	74.87	794.44	483.65	2,681.48	2,585.90	95.58	28.054		
9,500.00	7,071.32	6,681.87	6,504.14	79.67	31.41	74.93	795.02	483.59	2,744.06	2,647.54	96.53	28.428		
9,600.00	7,071.66	6,683.91	6,506.10	82.22	31.42	74.98	795.60	483.54	2,808.81	2,711.41	97.40	28.839		
9,700.00	7,072.00	6,685.98	6,508.07	84.78	31.43	75.04	796.19	483.48	2,875.57	2,777.38	98.20	29.284		
9,800.00	7,072.35	6,688.07	6,510.07	87.37	31.44	75.09	796.79	483.42	2,944.22	2,845.29	98.93	29.761		
9,900.00	7,072.69	6,690.18	6,512.10	89.97	31.45	75.15	797.40	483.36	3,014.61	2,915.01	99.60	30.268		
10,000.00	7,073.03	6,692.31	6,514.14	92.59	31.46	75.21	798.02	483.30	3,086.64	2,986.43	100.21	30.801		
10,100.00	7,073.38	6,694.47	6,516.21	95.22	31.47	75.27	798.64	483.24	3,160.19	3,059.41	100.78	31.358		
10,200.00	7,073.72	6,696.66	6,518.30	97.86	31.48	75.33	799.28	483.18	3,235.16	3,133.86	101.29	31.939		
10,300.00	7,074.07	6,698.87	6,520.41	100.52	31.50	75.39	799.92	483.12	3,311.44	3,209.68	101.77	32.540		
10,400.00	7,074.41	6,700.90	6,530.09	103.19	31.55	75.66	802.89	482.82	3,388.98	3,286.68	102.30	33.128		
10,500.00	7,074.75	6,709.00	6,530.09	105.87	31.55	75.66	802.89	482.82	3,467.64	3,364.97	102.67	33.775		
10,600.00	7,075.10	6,709.00	6,530.09	108.55	31.55	75.66	802.89	482.82	3,547.37	3,444.36	103.01	34.438		
10,700.00	7,075.44	6,709.00	6,530.09	111.25	31.55	75.66	802.89	482.82	3,628.11	3,524.80	103.31	35.117		
10,800.00	7,075.78	6,709.00	6,530.09	113.96	31.55	75.66	802.89	482.82	3,709.79	3,606.19	103.60	35.810		
10,900.00	7,076.13	6,709.00	6,530.09	116.67	31.55	75.66	802.89	482.82	3,792.34	3,688.49	103.85	36.517		
11,000.00	7,076.47	6,709.00	6,530.09	119.39	31.55	75.66	802.89	482.82	3,875.72	3,771.64	104.09	37.236		
11,100.00	7,076.81	6,709.00	6,530.09	122.11	31.55	75.66	802.89	482.82	3,959.87	3,855.57	104.30	37.966		
11,200.00	7,077.16	6,709.00	6,530.09	124.85	31.55	75.66	802.89	482.82	4,044.74	3,940.24	104.49	38.708		
11,300.00	7,077.50	6,709.00	6,530.09	127.58	31.55	75.66	802.89	482.82	4,130.28	4,025.61	104.67	39.459		
11,400.00	7,077.85	6,709.00	6,530.09	130.33	31.55	75.66	802.89	482.82	4,216.47	4,111.63	104.84	40.220		
11,500.00	7,078.19	6,709.00	6,530.09	133.08	31.55	75.66	802.89	482.82	4,303.25	4,198.26	104.99	40.989		
11,600.00	7,078.53	6,709.00	6,530.09	135.83	31.55	75.66	802.89	482.82	4,390.59	4,285.47	105.12	41.766		
11,700.00	7,078.88	6,709.00	6,530.09	138.59	31.55	75.66	802.89	482.82	4,478.46	4,373.21	105.25	42.551		
11,800.00	7,079.22	6,709.00	6,530.09	141.35	31.55	75.66	802.89	482.82	4,566.83	4,461.47	105.36	43.344		
11,900.00	7,079.56	6,709.00	6,530.09	144.11	31.55	75.66	802.89	482.82	4,655.68	4,550.21	105.47	44.142		
12,000.00	7,079.91	6,709.00	6,530.09	146.88	31.55	75.66	802.89	482.82	4,744.96	4,639.39	105.57	44.947		
12,100.00	7,080.25	6,709.00	6,530.09	149.66	31.55	75.66	802.89	482.82	4,834.67	4,729.01	105.66	45.758		
12,200.00	7,080.60	6,709.00	6,530.09	152.43	31.55	75.66	802.89	482.82	4,924.77	4,819.03	105.74	46.574		
12,300.00	7,080.94	6,709.00	6,530.09	155.21	31.55	75.66	802.89	482.82	5,015.25	4,909.43	105.82	47.396		
12,400.00	7,081.28	6,709.00	6,530.09	157.99	31.55	75.66	802.89	482.82	5,106.08	5,000.19	105.89	48.222		
12,500.00	7,081.63	6,709.00	6,530.09	160.78	31.55	75.66	802.89	482.82	5,197.25	5,091.30	105.95	49.053		
12,600.00	7,081.97	6,709.00	6,530.09	163.57	31.55	75.66	802.89	482.82	5,288.74	5,182.72	106.01	49.887		
12,700.00	7,082.31	6,709.00	6,530.09	166.36	31.55	75.66	802.89	482.82	5,380.53	5,274.46	106.07	50.726		
12,800.00	7,082.66	6,709.00	6,530.09	169.15	31.55	75.66	802.89	482.82	5,472.61	5,366.48	106.12	51.569		
12,900.00	7,083.00	6,709.00	6,530.09	171.94	31.55	75.66	802.89	482.82	5,564.96	5,458.79	106.17	52.415		
13,000.00	7,083.35	6,709.00	6,530.09	174.74	31.55	75.66	802.89	482.82	5,657.57	5,551.35	106.22	53.264		
13,100.00	7,083.69	6,709.00	6,530.09	177.54	31.55	75.66	802.89	482.82	5,750.43	5,644.17	106.26	54.116		
13,200.00	7,084.03	6,709.00	6,530.09	180.34	31.55	75.66	802.89	482.82	5,843.53	5,737.23	106.30	54.972		
13,300.00	7,084.38	6,709.00	6,530.09	183.14	31.55	75.66	802.89	482.82	5,936.85	5,830.51	106.34	55.829		
13,400.00	7,084.72	6,709.00	6,530.09	185.95	31.55	75.66	802.89	482.82	6,030.38	5,924.00	106.38	56.690		
13,500.00	7,085.06	6,709.00	6,530.09	188.76	31.55	75.66	802.89	482.82	6,124.12	6,017.71	106.41	57.552		
13,600.00	7,085.41	6,709.00	6,530.09	191.56	31.55	75.66	802.89	482.82	6,218.05	6,111.61	106.44	58.417		
13,700.00	7,085.75	6,709.00	6,530.09	194.37	31.55	75.66	802.89	482.82	6,312.17	6,205.70	106.47	59.284		
13,800.00	7,086.09	6,709.00	6,530.09	197.18	31.55	75.66	802.89	482.82	6,406.47	6,299.97	106.50	60.153		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 226-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,709.00	6,530.09	200.00	31.55	75.66	802.89	482.82	6,500.94	6,394.41	106.53	61.024		
14,000.00	7,086.78	6,709.00	6,530.09	202.81	31.55	75.66	802.89	482.82	6,595.57	6,489.01	106.56	61.896		
14,100.00	7,087.13	6,709.00	6,530.09	205.63	31.55	75.66	802.89	482.82	6,690.36	6,583.77	106.59	62.770		
14,200.00	7,087.47	6,709.00	6,530.09	208.44	31.55	75.66	802.89	482.82	6,785.30	6,678.68	106.61	63.645		
14,300.00	7,087.81	6,709.00	6,530.09	211.26	31.55	75.66	802.89	482.82	6,880.38	6,773.74	106.64	64.522		
14,400.00	7,088.16	6,709.00	6,530.09	214.08	31.55	75.66	802.89	482.82	6,975.60	6,868.93	106.66	65.399		
14,500.00	7,088.50	6,709.00	6,530.09	216.90	31.55	75.66	802.89	482.82	7,070.95	6,964.26	106.69	66.278		
14,600.00	7,088.84	6,709.00	6,530.09	219.72	31.55	75.66	802.89	482.82	7,166.42	7,059.71	106.71	67.158		
14,700.00	7,089.19	6,709.00	6,530.09	222.54	31.55	75.66	802.89	482.82	7,262.02	7,155.29	106.73	68.039		
14,800.00	7,089.53	6,709.00	6,530.09	225.37	31.55	75.66	802.89	482.82	7,357.74	7,250.98	106.76	68.921		
14,900.00	7,089.88	6,709.00	6,530.09	228.19	31.55	75.66	802.89	482.82	7,453.57	7,346.79	106.78	69.804		
15,000.00	7,090.22	6,709.00	6,530.09	231.02	31.55	75.66	802.89	482.82	7,549.50	7,442.70	106.80	70.687		
15,100.00	7,090.56	6,709.00	6,530.09	233.84	31.55	75.66	802.89	482.82	7,645.54	7,538.72	106.82	71.571		
15,200.00	7,090.91	6,709.00	6,530.09	236.67	31.55	75.66	802.89	482.82	7,741.68	7,634.84	106.85	72.455		
15,227.29	7,091.00	6,709.00	6,530.09	237.44	31.55	75.66	802.89	482.82	7,767.94	7,661.08	106.85	72.697		
15,300.00	7,091.25	6,709.00	6,530.09	239.49	31.55	74.27	802.89	482.82	7,838.16	7,731.29	106.87	73.343		
15,326.57	7,091.35	6,709.00	6,530.09	240.24	31.55	73.69	802.89	482.82	7,863.94	7,757.06	106.88	73.580		
15,400.00	7,091.60	6,709.00	6,530.09	242.30	31.55	73.69	802.89	482.82	7,935.30	7,828.40	106.89	74.236		
15,500.00	7,091.96	6,709.00	6,530.09	245.12	31.55	73.69	802.89	482.82	8,032.53	7,925.62	106.91	75.130		
15,600.00	7,092.31	6,709.00	6,530.09	247.93	31.55	73.69	802.89	482.82	8,129.84	8,022.90	106.94	76.024		
15,700.00	7,092.66	6,709.00	6,530.09	250.75	31.55	73.69	802.89	482.82	8,227.20	8,120.24	106.96	76.918		
15,800.00	7,093.01	6,709.00	6,530.09	253.56	31.55	73.69	802.89	482.82	8,324.64	8,217.65	106.98	77.812		
15,900.00	7,093.36	6,709.00	6,530.09	256.38	31.55	73.69	802.89	482.82	8,422.13	8,315.12	107.01	78.706		
16,000.00	7,093.71	6,709.00	6,530.09	259.20	31.55	73.69	802.89	482.82	8,519.68	8,412.65	107.03	79.600		
16,100.00	7,094.07	6,709.00	6,530.09	262.02	31.55	73.69	802.89	482.82	8,617.28	8,510.23	107.06	80.494		
16,200.00	7,094.42	6,709.00	6,530.09	264.84	31.55	73.69	802.89	482.82	8,714.94	8,607.86	107.08	81.387		
16,300.00	7,094.77	6,709.00	6,530.09	267.65	31.55	73.69	802.89	482.82	8,812.65	8,705.55	107.11	82.280		
16,400.00	7,095.12	6,709.00	6,530.09	270.47	31.55	73.69	802.89	482.82	8,910.42	8,803.29	107.13	83.173		
16,500.00	7,095.47	6,709.00	6,530.09	273.30	31.55	73.69	802.89	482.82	9,008.23	8,901.07	107.16	84.065		
16,600.00	7,095.82	6,709.00	6,530.09	276.12	31.55	73.69	802.89	482.82	9,106.09	8,998.90	107.18	84.957		
16,700.00	7,096.18	6,709.00	6,530.09	278.94	31.55	73.69	802.89	482.82	9,203.99	9,096.78	107.21	85.849		
16,800.00	7,096.53	6,709.00	6,530.09	281.76	31.55	73.69	802.89	482.82	9,301.94	9,194.71	107.24	86.740		
16,900.00	7,096.88	6,709.00	6,530.09	284.58	31.55	73.69	802.89	482.82	9,399.94	9,292.67	107.27	87.630		
17,000.00	7,097.23	6,709.00	6,530.09	287.41	31.55	73.69	802.89	482.82	9,497.97	9,390.68	107.30	88.521		
17,100.00	7,097.58	6,709.00	6,530.09	290.23	31.55	73.69	802.89	482.82	9,596.05	9,488.72	107.33	89.410		
17,200.00	7,097.93	6,709.00	6,530.09	293.06	31.55	73.69	802.89	482.82	9,694.16	9,586.81	107.36	90.299		
17,300.00	7,098.29	6,709.00	6,530.09	295.88	31.55	73.69	802.89	482.82	9,792.32	9,684.93	107.39	91.187		
17,400.00	7,098.64	6,709.00	6,530.09	298.71	31.55	73.69	802.89	482.82	9,890.51	9,783.09	107.42	92.075		
17,500.00	7,098.99	6,709.00	6,530.09	301.53	31.55	73.69	802.89	482.82	9,988.73	9,881.29	107.45	92.962		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	130.77	-437.89	507.82	670.63					
100.00	100.00	96.06	96.05	3.28	3.29	130.71	-437.05	507.87	670.07	663.50	6.57	101.959		
200.00	200.00	203.91	203.87	3.34	3.31	130.52	-434.14	508.04	668.43	661.78	6.65	100.515		
300.00	299.98	299.29	299.18	3.44	3.38	-2.75	-430.61	508.41	664.59	657.77	6.82	97.427		
400.00	399.84	388.33	388.20	3.59	3.49	-2.91	-428.95	508.91	658.60	651.52	7.09	92.956		
500.00	499.45	477.31	477.17	3.80	3.64	-2.90	-429.94	509.16	650.83	643.40	7.43	87.571		
600.00	598.70	575.27	575.11	4.04	3.83	-2.91	-431.69	510.36	640.73	632.85	7.87	81.400		
700.00	697.47	670.26	670.04	4.32	4.06	-3.18	-431.48	513.19	627.23	618.85	8.38	74.865		
800.00	795.62	761.88	761.49	4.65	4.31	-3.75	-429.60	518.52	611.32	602.38	8.94	68.392		
900.00	893.06	852.28	851.45	5.02	4.58	-4.69	-425.94	526.61	593.24	583.69	9.55	62.133		
993.00	982.91	939.97	938.50	5.39	4.86	-5.87	-421.59	536.20	574.46	564.30	10.17	56.512		
1,000.00	989.65	946.72	945.21	5.42	4.88	-5.96	-421.28	536.93	572.96	562.74	10.22	56.074		
1,100.00	1,085.84	1,045.28	1,043.18	5.86	5.21	-7.23	-417.38	546.95	551.47	540.55	10.92	50.497		
1,200.00	1,182.03	1,154.25	1,151.72	6.32	5.59	-8.54	-413.93	555.89	529.13	517.44	11.68	45.294		
1,300.00	1,278.22	1,260.39	1,257.67	6.79	5.98	-9.68	-411.18	561.38	504.86	492.40	12.46	40.530		
1,400.00	1,374.42	1,373.29	1,370.54	7.28	6.39	-10.63	-409.14	562.72	477.89	464.64	13.25	36.076		
1,500.00	1,470.61	1,473.69	1,470.91	7.79	6.75	-11.19	-408.69	560.42	448.92	434.91	14.01	32.037		
1,600.00	1,566.80	1,566.88	1,564.05	8.30	7.08	-11.59	-409.32	557.36	419.77	404.99	14.78	28.397		
1,700.00	1,663.00	1,657.86	1,655.01	8.82	7.42	-12.16	-409.73	555.77	391.77	376.19	15.57	25.159		
1,800.00	1,759.19	1,753.12	1,750.27	9.34	7.78	-13.01	-409.71	555.13	364.48	348.10	16.38	22.251		
1,900.00	1,855.38	1,850.43	1,847.57	9.87	8.16	-14.16	-408.93	554.85	337.23	320.03	17.21	19.601		
2,000.00	1,951.58	1,951.19	1,948.29	10.41	8.56	-15.89	-406.10	554.28	308.99	290.95	18.04	17.130		
2,100.00	2,047.77	2,048.72	2,045.70	10.95	8.95	-18.31	-401.23	553.73	280.13	261.23	18.89	14.828		
2,200.00	2,143.96	2,146.99	2,143.65	11.49	9.35	-21.93	-393.48	553.07	250.67	230.90	19.77	12.680		
2,300.00	2,240.16	2,242.57	2,238.69	12.04	9.74	-26.99	-383.39	552.21	221.32	200.61	20.71	10.687		
2,400.00	2,336.35	2,335.71	2,330.94	12.58	10.12	-34.19	-370.58	551.85	193.96	172.19	21.76	8.913		
2,500.00	2,432.54	2,428.18	2,422.26	13.13	10.50	-43.90	-356.02	551.60	170.64	147.70	22.94	7.438		
2,600.00	2,528.74	2,519.60	2,512.22	13.69	10.88	-56.34	-339.80	551.19	154.15	129.94	24.22	6.366		
2,691.32	2,616.58	2,600.43	2,591.38	14.19	11.22	-69.47	-323.49	550.42	148.21	122.91	25.30	5.858 CC		
2,700.00	2,624.93	2,607.63	2,598.41	14.24	11.25	-70.71	-321.90	550.38	148.27	122.89	25.38	5.841 ES, SF		
2,800.00	2,721.12	2,689.12	2,677.32	14.80	11.60	-84.69	-301.63	550.81	158.58	132.57	26.01	6.096		
2,900.00	2,817.32	2,767.65	2,752.23	15.35	11.94	-96.76	-278.12	552.18	185.11	158.97	26.13	7.084		
3,000.00	2,913.51	2,841.43	2,821.27	15.91	12.27	-106.06	-252.18	553.41	224.45	198.47	25.99	8.638		
3,100.00	3,009.70	2,914.07	2,887.91	16.47	12.60	-113.25	-223.28	554.15	273.04	247.11	25.94	10.527		
3,200.00	3,105.90	2,993.04	2,959.57	17.03	12.97	-119.10	-190.09	554.68	326.88	300.55	26.34	12.411		
3,300.00	3,202.09	3,082.23	3,041.10	17.59	13.40	-124.18	-153.97	553.57	381.35	354.15	27.20	14.018		
3,400.00	3,298.28	3,168.60	3,120.80	18.15	13.82	-127.95	-120.72	551.91	435.46	407.47	27.99	15.558		
3,500.00	3,394.48	3,249.51	3,195.45	18.72	14.22	-130.76	-89.58	550.04	490.56	461.93	28.64	17.131		
3,600.00	3,490.67	3,350.30	3,289.26	19.28	14.73	-133.52	-52.81	547.83	544.59	514.74	29.85	18.243		
3,700.00	3,586.86	3,447.20	3,380.41	19.84	15.21	-135.66	-19.98	545.82	596.85	565.93	30.92	19.304		
3,800.00	3,683.06	3,548.79	3,476.78	20.41	15.72	-137.44	12.09	544.66	647.33	615.27	32.06	20.188		
3,900.00	3,779.25	3,638.86	3,562.66	20.97	16.17	-138.50	39.17	546.85	696.24	663.28	32.96	21.124		
4,000.00	3,875.44	3,708.80	3,628.95	21.54	16.52	-139.10	61.28	549.72	746.46	713.00	33.45	22.313		
4,100.00	3,971.64	3,773.26	3,689.55	22.11	16.85	-139.61	83.11	551.95	798.86	765.01	33.85	23.601		
4,200.00	4,067.83	3,831.58	3,743.91	22.67	17.15	-140.08	104.20	553.00	853.64	819.52	34.12	25.017		
4,300.00	4,164.02	3,889.00	3,796.79	23.24	17.45	-140.56	126.58	552.97	911.14	876.75	34.39	26.495		
4,400.00	4,260.22	3,938.72	3,842.04	23.81	17.73	-140.98	147.17	552.12	971.07	936.57	34.51	28.143		
4,500.00	4,356.41	3,981.00	3,880.13	24.37	17.96	-141.34	165.47	550.79	1,033.28	998.81	34.47	29.978		
4,600.00	4,452.60	4,036.29	3,929.30	24.94	18.27	-141.80	190.63	548.37	1,097.55	1,062.80	34.75	31.583		
4,700.00	4,548.79	4,082.46	3,969.73	25.51	18.53	-142.17	212.77	545.84	1,163.98	1,129.13	34.85	33.399		
4,800.00	4,644.99	4,137.10	4,017.08	26.08	18.85	-142.57	239.85	542.57	1,231.90	1,196.73	35.17	35.027		
4,900.00	4,741.18	4,212.16	4,081.68	26.65	19.29	-143.07	277.79	538.07	1,300.69	1,264.72	35.97	36.165		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,450.88	4,294.30	27.21	20.68	-144.40	385.30	526.63	1,365.31	1,325.32	39.99	34.137		
5,100.00	4,933.57	4,657.58	4,488.30	27.78	21.81	-145.48	456.06	519.28	1,418.94	1,376.08	42.86	33.106		
5,200.00	5,029.76	4,773.68	4,599.10	28.35	22.42	-146.02	490.58	516.26	1,469.56	1,425.41	44.15	33.286		
5,300.00	5,125.95	4,862.92	4,684.51	28.92	22.88	-146.42	516.34	513.96	1,519.55	1,474.51	45.04	33.735		
5,400.00	5,222.15	4,950.49	4,768.34	29.49	23.34	-146.77	541.57	511.90	1,569.49	1,523.57	45.92	34.182		
5,500.00	5,318.34	5,037.34	4,851.48	30.06	23.79	-147.09	566.63	510.26	1,619.40	1,572.62	46.78	34.617		
5,600.00	5,414.53	5,110.00	4,920.95	30.63	24.18	-147.29	587.94	509.87	1,669.44	1,621.98	47.46	35.179		
5,700.00	5,510.73	5,161.86	4,970.24	31.20	24.45	-147.40	604.05	510.20	1,720.78	1,672.93	47.85	35.966		
5,800.00	5,606.92	5,204.00	5,009.91	31.77	24.68	-147.46	618.23	510.72	1,774.14	1,726.06	48.08	36.897		
5,900.00	5,703.11	5,261.96	5,064.06	32.34	25.00	-147.53	638.88	511.58	1,829.10	1,780.54	48.56	37.668		
6,000.00	5,799.31	5,323.64	5,121.33	32.91	25.35	-147.58	661.79	512.46	1,885.30	1,836.21	49.09	38.403		
6,100.00	5,895.50	5,424.15	5,214.47	33.48	25.91	-147.66	699.51	513.95	1,941.94	1,891.71	50.23	38.664		
6,200.00	5,991.69	5,554.57	5,336.74	34.05	26.64	-147.81	744.87	515.50	1,995.96	1,944.18	51.78	38.549		
6,300.00	6,087.89	5,686.48	5,461.05	34.62	27.36	-147.94	788.92	517.71	2,049.04	1,995.74	53.30	38.440		
6,400.00	6,184.08	5,756.33	5,527.06	35.19	27.74	-148.01	811.74	518.88	2,101.37	2,047.40	53.97	38.935		
6,500.00	6,280.27	5,808.22	5,576.00	35.77	28.02	-148.07	828.98	519.39	2,154.44	2,100.04	54.39	39.609		
6,535.30	6,314.23	5,825.04	5,591.79	35.97	28.12	-148.09	834.75	519.50	2,173.51	2,118.99	54.52	39.867		
6,550.00	6,328.40	5,832.02	5,598.34	36.05	28.15	-152.35	837.17	519.54	2,181.47	2,126.90	54.57	39.975		
6,600.00	6,377.01	5,861.00	5,625.46	36.31	28.31	-170.26	847.39	519.65	2,208.20	2,153.39	54.81	40.291		
6,650.00	6,426.00	5,895.12	5,657.34	36.54	28.51	166.29	859.55	519.66	2,234.13	2,179.03	55.10	40.546		
6,700.00	6,475.08	5,939.00	5,698.36	36.73	28.75	141.27	875.11	519.49	2,258.91	2,203.38	55.52	40.683		
6,750.00	6,523.94	5,975.32	5,732.34	36.90	28.96	120.72	887.95	519.19	2,282.44	2,226.60	55.83	40.878		
6,800.00	6,572.28	6,006.46	5,761.42	37.05	29.13	106.19	899.09	518.90	2,304.80	2,248.72	56.08	41.102		
6,850.00	6,619.81	6,036.94	5,789.83	37.19	29.30	96.18	910.12	518.59	2,325.93	2,269.61	56.32	41.302		
6,900.00	6,666.23	6,072.98	5,823.39	37.32	29.51	89.16	923.28	518.16	2,345.74	2,289.09	56.65	41.407		
6,950.00	6,711.25	6,112.43	5,860.11	37.46	29.73	84.09	937.64	517.50	2,364.05	2,306.99	57.06	41.434		
7,000.00	6,754.60	6,164.58	5,908.73	37.61	30.03	80.51	956.48	516.36	2,380.80	2,323.13	57.67	41.285		
7,050.00	6,796.01	7,050.00	5,958.75	37.77	35.01	77.91	974.95	515.22	2,395.29	2,332.63	62.66	38.227		
7,100.00	6,835.22	6,277.32	6,014.55	37.94	30.66	76.13	995.28	513.76	2,408.23	2,349.13	59.10	40.748		
7,150.00	6,871.99	6,306.14	6,041.65	38.12	30.82	74.36	1,005.02	512.73	2,419.71	2,360.21	59.50	40.665		
7,200.00	6,906.10	6,333.49	6,067.37	38.34	30.97	72.98	1,014.27	511.55	2,429.82	2,369.87	59.94	40.535		
7,250.00	6,937.34	6,349.24	6,082.15	38.57	31.06	71.73	1,019.64	510.82	2,438.63	2,378.34	60.29	40.449		
7,300.00	6,965.51	6,363.94	6,095.92	38.84	31.15	70.73	1,024.73	510.17	2,446.22	2,385.53	60.69	40.306		
7,350.00	6,990.44	6,376.99	6,108.14	39.14	31.22	69.95	1,029.31	509.61	2,452.59	2,391.45	61.14	40.112		
7,400.00	7,011.97	6,388.36	6,118.75	39.47	31.29	69.34	1,033.34	509.13	2,457.78	2,396.13	61.65	39.865		
7,450.00	7,029.98	6,398.00	6,127.74	39.85	31.34	68.90	1,036.80	508.73	2,461.79	2,399.57	62.22	39.568		
7,500.00	7,044.34	6,405.88	6,135.09	40.26	31.39	68.59	1,039.64	508.41	2,464.63	2,401.80	62.84	39.224		
7,550.00	7,054.99	6,411.98	6,140.76	40.72	31.42	68.41	1,041.86	508.17	2,466.34	2,402.84	63.50	38.837		
7,600.00	7,061.83	6,433.00	6,160.30	41.21	31.54	68.73	1,049.59	507.36	2,467.03	2,402.57	64.46	38.273		
7,650.00	7,064.85	6,433.00	6,160.30	41.73	31.54	68.72	1,049.59	507.36	2,466.47	2,401.29	65.17	37.845		
7,661.89	7,065.00	6,433.00	6,160.30	41.86	31.54	68.74	1,049.59	507.36	2,466.17	2,400.82	65.35	37.737		
7,700.00	7,065.13	6,433.00	6,160.30	42.28	31.54	68.74	1,049.59	507.36	2,465.43	2,399.49	65.94	37.389		
7,728.76	7,065.23	6,433.00	6,160.30	42.64	31.54	68.74	1,049.59	507.36	2,465.27	2,398.85	66.42	37.119		
7,800.00	7,065.47	6,433.00	6,160.30	43.53	31.54	68.74	1,049.59	507.36	2,466.30	2,398.71	67.59	36.489		
7,900.00	7,065.82	6,433.00	6,160.30	44.94	31.54	68.74	1,049.59	507.36	2,471.21	2,401.85	69.36	35.629		
8,000.00	7,066.16	6,433.00	6,160.30	46.50	31.54	68.74	1,049.59	507.36	2,480.14	2,408.92	71.22	34.824		
8,100.00	7,066.50	6,433.00	6,160.30	48.19	31.54	68.74	1,049.59	507.36	2,493.06	2,419.93	73.14	34.088		
8,200.00	7,066.85	6,433.00	6,160.30	50.00	31.54	68.74	1,049.59	507.36	2,509.90	2,434.82	75.08	33.428		
8,300.00	7,067.19	6,433.00	6,160.30	51.91	31.54	68.74	1,049.59	507.36	2,530.59	2,453.55	77.04	32.849		
8,400.00	7,067.54	6,433.00	6,160.30	53.92	31.54	68.74	1,049.59	507.36	2,555.02	2,476.04	78.98	32.352		
8,500.00	7,067.88	6,433.00	6,160.30	56.01	31.54	68.74	1,049.59	507.36	2,583.09	2,502.21	80.88	31.937		
8,600.00	7,068.22	6,433.00	6,160.30	58.16	31.54	68.74	1,049.59	507.36	2,614.69	2,531.95	82.74	31.601		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	6,433.00	6,160.30	60.38	31.54	68.74	1,049.59	507.36	2,649.69	2,565.15	84.54	31.342		
8,800.00	7,068.91	6,447.14	6,173.41	62.65	31.62	69.07	1,054.85	506.85	2,687.90	2,601.41	86.48	31.080		
8,900.00	7,069.25	6,449.68	6,175.77	64.97	31.64	69.13	1,055.80	506.75	2,729.27	2,641.08	88.18	30.950		
9,000.00	7,069.60	6,452.20	6,178.10	67.34	31.65	69.18	1,056.75	506.66	2,773.63	2,683.82	89.80	30.885		
9,100.00	7,069.94	6,454.68	6,180.40	69.74	31.67	69.24	1,057.68	506.58	2,820.83	2,729.49	91.34	30.881		
9,200.00	7,070.28	6,457.14	6,182.67	72.18	31.68	69.30	1,058.60	506.49	2,870.74	2,777.94	92.80	30.934		
9,300.00	7,070.63	6,459.56	6,184.92	74.65	31.69	69.36	1,059.51	506.40	2,923.21	2,829.03	94.18	31.039		
9,400.00	7,070.97	6,461.96	6,187.14	77.15	31.71	69.41	1,060.42	506.32	2,978.12	2,882.64	95.48	31.192		
9,500.00	7,071.32	6,464.33	6,189.34	79.67	31.72	69.47	1,061.31	506.24	3,035.33	2,938.63	96.70	31.390		
9,600.00	7,071.66	6,466.68	6,191.51	82.22	31.74	69.52	1,062.19	506.16	3,094.70	2,996.86	97.84	31.630		
9,700.00	7,072.00	6,469.00	6,193.65	84.78	31.75	69.57	1,063.07	506.08	3,156.13	3,057.21	98.91	31.908		
9,800.00	7,072.35	6,471.29	6,195.77	87.37	31.76	69.63	1,063.94	506.00	3,219.49	3,119.57	99.92	32.222		
9,900.00	7,072.69	6,473.56	6,197.87	89.97	31.78	69.68	1,064.80	505.93	3,284.66	3,183.81	100.85	32.568		
10,000.00	7,073.03	6,475.80	6,199.94	92.59	31.79	69.73	1,065.64	505.85	3,351.56	3,249.83	101.73	32.946		
10,100.00	7,073.38	6,478.01	6,201.99	95.22	31.80	69.78	1,066.49	505.78	3,420.06	3,317.51	102.55	33.351		
10,200.00	7,073.72	6,480.21	6,204.02	97.86	31.81	69.83	1,067.32	505.71	3,490.09	3,386.78	103.31	33.783		
10,300.00	7,074.07	6,482.37	6,206.02	100.52	31.83	69.89	1,068.14	505.63	3,561.54	3,457.52	104.02	34.239		
10,400.00	7,074.41	6,484.52	6,208.00	103.19	31.84	69.94	1,068.96	505.56	3,634.34	3,529.65	104.68	34.717		
10,500.00	7,074.75	6,486.64	6,209.96	105.87	31.85	69.98	1,069.77	505.50	3,708.40	3,603.10	105.30	35.216		
10,600.00	7,075.10	6,488.74	6,211.90	108.55	31.86	70.03	1,070.57	505.43	3,783.65	3,677.77	105.88	35.735		
10,700.00	7,075.44	6,490.81	6,213.82	111.25	31.88	70.08	1,071.36	505.36	3,860.03	3,753.61	106.42	36.271		
10,800.00	7,075.78	6,492.87	6,215.71	113.96	31.89	70.13	1,072.15	505.30	3,937.46	3,830.54	106.92	36.825		
10,900.00	7,076.13	6,494.90	6,217.59	116.67	31.90	70.18	1,072.92	505.23	4,015.89	3,908.50	107.39	37.394		
11,000.00	7,076.47	6,496.91	6,219.44	119.39	31.91	70.22	1,073.69	505.17	4,095.26	3,987.42	107.83	37.978		
11,100.00	7,076.81	6,498.90	6,221.28	122.11	31.92	70.27	1,074.46	505.11	4,175.51	4,067.27	108.24	38.575		
11,200.00	7,077.16	6,500.87	6,223.10	124.85	31.93	70.31	1,075.21	505.05	4,256.59	4,147.97	108.63	39.185		
11,300.00	7,077.50	6,502.81	6,224.89	127.58	31.95	70.36	1,075.96	504.99	4,338.47	4,229.48	108.99	39.807		
11,400.00	7,077.85	6,504.74	6,226.67	130.33	31.96	70.40	1,076.70	504.93	4,421.09	4,311.76	109.32	40.440		
11,500.00	7,078.19	6,506.65	6,228.43	133.08	31.97	70.45	1,077.44	504.87	4,504.41	4,394.77	109.64	41.083		
11,600.00	7,078.53	6,508.54	6,230.17	135.83	31.98	70.49	1,078.17	504.81	4,588.39	4,478.46	109.94	41.736		
11,700.00	7,078.88	6,510.41	6,231.89	138.59	31.99	70.53	1,078.89	504.75	4,673.06	4,562.61	110.24	42.399		
11,800.00	7,079.22	6,512.27	6,233.60	141.35	32.00	70.57	1,079.61	504.69	4,758.26	4,647.58	110.54	43.062		
11,900.00	7,079.56	6,514.11	6,235.29	144.11	32.01	70.61	1,080.32	504.63	4,844.02	4,733.12	110.84	43.725		
12,000.00	7,079.91	6,515.94	6,236.97	146.88	32.02	70.65	1,081.03	504.57	4,930.32	4,819.22	111.14	44.388		
12,100.00	7,080.25	6,517.77	6,238.64	149.66	32.03	70.69	1,081.74	504.51	5,017.13	4,905.83	111.44	45.051		
12,200.00	7,080.60	6,519.59	6,240.30	152.43	32.04	70.73	1,082.45	504.45	5,104.43	4,992.95	111.74	45.714		
12,300.00	7,080.94	6,521.41	6,241.95	155.21	32.05	70.77	1,083.16	504.39	5,192.18	5,080.53	112.04	46.377		
12,400.00	7,081.28	6,523.23	6,243.60	157.99	32.06	70.81	1,083.87	504.33	5,280.36	5,168.56	112.34	47.040		
12,500.00	7,081.63	6,525.05	6,245.25	160.78	32.07	70.85	1,084.58	504.27	5,368.96	5,257.01	112.64	47.703		
12,600.00	7,081.97	6,526.87	6,246.90	163.57	32.08	70.89	1,085.29	504.21	5,457.96	5,345.84	112.94	48.366		
12,700.00	7,082.31	6,528.69	6,248.55	166.36	32.09	70.93	1,086.00	504.15	5,547.33	5,435.00	113.24	49.029		
12,800.00	7,082.66	6,530.51	6,250.20	169.15	32.10	70.97	1,086.71	504.09	5,637.05	5,524.53	113.54	49.692		
12,900.00	7,083.00	6,532.33	6,251.85	171.94	32.11	71.01	1,087.42	504.03	5,727.11	5,614.40	113.84	50.355		
13,000.00	7,083.35	6,534.15	6,253.50	174.74	32.12	71.05	1,088.13	503.97	5,817.49	5,704.60	114.14	51.018		
13,100.00	7,083.69	6,535.97	6,255.15	177.54	32.13	71.09	1,088.84	503.91	5,908.18	5,795.12	114.44	51.681		
13,200.00	7,084.03	6,537.79	6,256.80	180.34	32.14	71.13	1,089.55	503.85	5,999.16	5,885.94	114.74	52.344		
13,300.00	7,084.38	6,539.61	6,258.45	183.14	32.15	71.17	1,090.26	503.79	6,090.43	5,977.05	115.04	53.007		
13,400.00	7,084.72	6,541.43	6,260.10	185.95	32.16	71.21	1,090.97	503.73	6,181.96	6,068.43	115.34	53.670		
13,500.00	7,085.06	6,543.25	6,261.75	188.76	32.17	71.25	1,091.68	503.67	6,273.75	6,160.08	115.64	54.333		
13,600.00	7,085.41	6,545.07	6,263.40	191.56	32.18	71.29	1,092.39	503.61	6,365.78	6,251.98	115.94	55.000		
13,700.00	7,085.75	6,546.89	6,265.05	194.37	32.19	71.33	1,093.10	503.55	6,458.05	6,344.12	116.24	55.663		
13,800.00	7,086.09	6,548.71	6,266.70	197.18	32.20	71.37	1,093.81	503.49	6,550.54	6,436.49	116.54	56.326		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	6,582.13	6,298.19	200.00	32.40	72.19	1,106.19	502.90	6,643.26	6,529.08	114.17	58.187		
14,000.00	7,086.78	6,585.46	6,301.28	202.81	32.42	72.27	1,107.42	502.82	6,736.17	6,621.89	114.28	58.942		
14,100.00	7,087.13	6,588.68	6,304.28	205.63	32.44	72.35	1,108.60	502.76	6,829.29	6,714.90	114.39	59.699		
14,200.00	7,087.47	6,591.81	6,307.20	208.44	32.46	72.42	1,109.74	502.69	6,922.60	6,808.10	114.50	60.459		
14,300.00	7,087.81	6,594.85	6,310.02	211.26	32.48	72.49	1,110.85	502.63	7,016.09	6,901.49	114.60	61.221		
14,400.00	7,088.16	6,597.80	6,312.77	214.08	32.49	72.56	1,111.92	502.57	7,109.76	6,995.05	114.70	61.985		
14,500.00	7,088.50	6,600.67	6,315.45	216.90	32.51	72.62	1,112.96	502.52	7,203.59	7,088.80	114.80	62.751		
14,600.00	7,088.84	6,603.46	6,318.05	219.72	32.53	72.69	1,113.97	502.46	7,297.59	7,182.70	114.89	63.518		
14,700.00	7,089.19	6,606.17	6,320.58	222.54	32.54	72.75	1,114.95	502.41	7,391.75	7,276.77	114.98	64.288		
14,800.00	7,089.53	6,608.81	6,323.04	225.37	32.56	72.81	1,115.90	502.36	7,486.05	7,370.99	115.07	65.059		
14,900.00	7,089.88	6,611.38	6,325.44	228.19	32.57	72.87	1,116.82	502.31	7,580.51	7,465.36	115.15	65.832		
15,000.00	7,090.22	6,613.88	6,327.77	231.02	32.59	72.93	1,117.72	502.27	7,675.10	7,559.87	115.23	66.606		
15,100.00	7,090.56	6,616.32	6,330.05	233.84	32.60	72.98	1,118.58	502.23	7,769.82	7,654.51	115.31	67.381		
15,200.00	7,090.91	6,618.69	6,332.26	236.67	32.62	73.04	1,119.43	502.18	7,864.68	7,749.29	115.39	68.158		
15,227.29	7,091.00	6,619.33	6,332.86	237.44	32.62	73.05	1,119.66	502.17	7,890.59	7,775.18	115.41	68.370		
15,300.00	7,091.25	6,620.67	6,334.11	239.49	32.63	71.71	1,120.13	502.15	7,959.93	7,844.47	115.46	68.942		
15,326.57	7,091.35	6,620.98	6,334.41	240.24	32.63	71.15	1,120.24	502.15	7,985.41	7,869.93	115.47	69.153		
15,400.00	7,091.60	6,621.72	6,335.10	242.30	32.63	71.17	1,120.50	502.13	8,055.96	7,940.44	115.51	69.741		
15,500.00	7,091.96	6,622.71	6,336.02	245.12	32.64	71.19	1,120.85	502.12	8,152.12	8,036.55	115.57	70.541		
15,600.00	7,092.31	6,623.67	6,336.92	247.93	32.64	71.22	1,121.20	502.10	8,248.36	8,132.75	115.62	71.343		
15,700.00	7,092.66	6,624.62	6,337.80	250.75	32.65	71.24	1,121.53	502.08	8,344.70	8,229.03	115.67	72.144		
15,800.00	7,093.01	6,625.54	6,338.67	253.56	32.65	71.26	1,121.86	502.07	8,441.12	8,325.41	115.72	72.947		
15,900.00	7,093.36	6,626.45	6,339.51	256.38	32.66	71.29	1,122.17	502.05	8,537.63	8,421.86	115.77	73.749		
16,000.00	7,093.71	6,619.00	6,332.55	259.20	32.62	71.10	1,119.54	502.18	8,634.21	8,518.51	115.70	74.625		
16,100.00	7,094.07	6,619.00	6,332.55	262.02	32.62	71.10	1,119.54	502.18	8,730.88	8,615.14	115.74	75.436		
16,200.00	7,094.42	6,619.00	6,332.55	264.84	32.62	71.10	1,119.54	502.18	8,827.61	8,711.84	115.77	76.248		
16,300.00	7,094.77	6,619.00	6,332.55	267.65	32.62	71.10	1,119.54	502.18	8,924.42	8,808.61	115.81	77.060		
16,400.00	7,095.12	6,619.00	6,332.55	270.47	32.62	71.10	1,119.54	502.18	9,021.30	8,905.45	115.85	77.872		
16,500.00	7,095.47	6,619.00	6,332.55	273.30	32.62	71.10	1,119.54	502.18	9,118.24	9,002.36	115.88	78.685		
16,600.00	7,095.82	6,619.00	6,332.55	276.12	32.62	71.10	1,119.54	502.18	9,215.25	9,099.33	115.92	79.497		
16,700.00	7,096.18	6,619.00	6,332.55	278.94	32.62	71.10	1,119.54	502.18	9,312.33	9,196.37	115.96	80.310		
16,800.00	7,096.53	6,619.00	6,332.55	281.76	32.62	71.10	1,119.54	502.18	9,409.46	9,293.47	115.99	81.122		
16,900.00	7,096.88	6,619.00	6,332.55	284.58	32.62	71.10	1,119.54	502.18	9,506.65	9,390.63	116.03	81.935		
17,000.00	7,097.23	6,619.00	6,332.55	287.41	32.62	71.10	1,119.54	502.18	9,603.91	9,487.84	116.06	82.747		
17,100.00	7,097.58	6,619.00	6,332.55	290.23	32.62	71.10	1,119.54	502.18	9,701.21	9,585.11	116.10	83.559		
17,200.00	7,097.93	6,619.00	6,332.55	293.06	32.62	71.10	1,119.54	502.18	9,798.57	9,682.44	116.14	84.372		
17,300.00	7,098.29	6,619.00	6,332.55	295.88	32.62	71.10	1,119.54	502.18	9,895.99	9,779.82	116.17	85.184		
17,400.00	7,098.64	6,619.00	6,332.55	298.71	32.62	71.10	1,119.54	502.18	9,993.45	9,877.25	116.21	85.996		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.00	14.94	0.00	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	14.94	0.00	14.94	8.37	6.57	2.274		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	14.94	0.00	14.94	8.26	6.67	2.238 CC		
300.00	299.98	299.98	299.98	3.44	3.44	-137.51	14.94	0.00	16.18	9.29	6.89	2.349		
400.00	399.84	400.34	400.32	3.59	3.60	-144.09	13.93	1.44	19.05	11.85	7.20	2.648		
500.00	499.45	500.82	500.65	3.80	3.79	-147.85	10.90	5.76	22.38	14.78	7.60	2.944		
600.00	598.70	601.40	600.85	4.04	4.03	-149.69	5.85	12.98	26.04	17.94	8.10	3.216		
700.00	697.47	702.10	700.78	4.32	4.31	-150.27	-1.22	23.08	29.96	21.29	8.67	3.457		
800.00	795.62	802.91	800.33	4.65	4.62	-150.00	-10.32	36.07	34.13	24.83	9.30	3.670		
900.00	893.06	903.81	899.35	5.02	4.96	-149.15	-21.43	51.93	38.55	28.56	9.99	3.859		
993.00	982.91	997.74	990.87	5.39	5.32	-148.02	-33.56	69.26	42.89	32.21	10.68	4.016		
1,000.00	989.65	1,004.82	997.73	5.42	5.35	-147.92	-34.54	70.66	43.22	32.48	10.73	4.026		
1,100.00	1,085.84	1,104.64	1,094.59	5.86	5.76	-146.72	-48.39	90.44	47.96	36.46	11.50	4.170		
1,200.00	1,182.03	1,204.53	1,191.51	6.32	6.19	-145.73	-62.25	110.24	52.72	40.41	12.31	4.283		
1,300.00	1,278.22	1,304.41	1,288.42	6.79	6.63	-144.90	-76.11	130.03	57.49	44.34	13.15	4.372		
1,400.00	1,374.42	1,404.29	1,385.34	7.28	7.09	-144.21	-89.97	149.83	62.27	48.25	14.02	4.442		
1,500.00	1,470.61	1,504.18	1,482.26	7.79	7.57	-143.61	-103.83	169.62	67.06	52.15	14.91	4.497		
1,600.00	1,566.80	1,604.06	1,579.17	8.30	8.05	-143.09	-117.69	189.41	71.86	56.03	15.82	4.542		
1,700.00	1,663.00	1,703.94	1,676.09	8.82	8.54	-142.64	-131.55	209.21	76.66	59.91	16.75	4.577		
1,800.00	1,759.19	1,803.83	1,773.00	9.34	9.03	-142.24	-145.41	229.00	81.46	63.77	17.69	4.605		
1,900.00	1,855.38	1,903.71	1,869.92	9.87	9.53	-141.88	-159.27	248.80	86.27	67.63	18.64	4.628		
2,000.00	1,951.58	2,003.59	1,966.84	10.41	10.04	-141.56	-173.13	268.59	91.08	71.48	19.60	4.647		
2,100.00	2,047.77	2,103.47	2,063.75	10.95	10.54	-141.28	-186.99	288.38	95.90	75.33	20.57	4.662		
2,200.00	2,143.96	2,203.36	2,160.67	11.49	11.06	-141.02	-200.85	308.18	100.71	79.16	21.55	4.674		
2,300.00	2,240.16	2,303.24	2,257.58	12.04	11.57	-140.78	-214.71	327.97	105.53	83.00	22.53	4.684		
2,400.00	2,336.35	2,403.12	2,354.50	12.58	12.09	-140.57	-228.57	347.77	110.35	86.83	23.52	4.692		
2,500.00	2,432.54	2,503.01	2,451.42	13.13	12.61	-140.37	-242.43	367.56	115.17	90.66	24.51	4.698		
2,600.00	2,528.74	2,602.89	2,548.33	13.69	13.13	-140.19	-256.29	387.35	119.99	94.48	25.51	4.703		
2,700.00	2,624.93	2,702.77	2,645.25	14.24	13.66	-140.02	-270.15	407.15	124.82	98.30	26.51	4.708		
2,800.00	2,721.12	2,802.66	2,742.16	14.80	14.18	-139.87	-284.01	426.94	129.64	102.12	27.52	4.711		
2,900.00	2,817.32	2,902.54	2,839.08	15.35	14.71	-139.73	-297.87	446.73	134.47	105.94	28.53	4.714		
3,000.00	2,913.51	3,002.42	2,936.00	15.91	15.24	-139.59	-311.73	466.53	139.29	109.76	29.54	4.716		
3,100.00	3,009.70	3,102.30	3,032.91	16.47	15.77	-139.47	-325.59	486.32	144.12	113.57	30.55	4.717		
3,200.00	3,105.90	3,202.19	3,129.83	17.03	16.30	-139.35	-339.45	506.12	148.95	117.38	31.57	4.718		
3,300.00	3,202.09	3,302.07	3,226.74	17.59	16.83	-139.24	-353.31	525.91	153.78	121.19	32.59	4.719		
3,400.00	3,298.28	3,401.95	3,323.66	18.15	17.36	-139.14	-367.17	545.70	158.60	125.00	33.60	4.720		
3,500.00	3,394.48	3,501.84	3,420.58	18.72	17.89	-139.04	-381.03	565.50	163.43	128.81	34.63	4.720		
3,600.00	3,490.67	3,601.72	3,517.49	19.28	18.42	-138.95	-394.89	585.29	168.26	132.61	35.65	4.720		
3,700.00	3,586.86	3,701.60	3,614.41	19.84	18.96	-138.87	-408.75	605.09	173.09	136.42	36.67	4.720		
3,800.00	3,683.06	3,801.48	3,711.32	20.41	19.49	-138.79	-422.61	624.88	177.92	140.23	37.70	4.720		
3,900.00	3,779.25	3,901.37	3,808.24	20.97	20.03	-138.71	-436.47	644.67	182.75	144.03	38.72	4.719		
4,000.00	3,875.44	4,001.25	3,905.16	21.54	20.56	-138.64	-450.33	664.47	187.58	147.83	39.75	4.719		
4,100.00	3,971.64	4,101.13	4,002.07	22.11	21.10	-138.57	-464.19	684.26	192.42	151.64	40.78	4.718		
4,200.00	4,067.83	4,201.02	4,098.99	22.67	21.64	-138.50	-478.05	704.06	197.25	155.44	41.81	4.718		
4,300.00	4,164.02	4,300.90	4,195.90	23.24	22.17	-138.44	-491.91	723.85	202.08	159.24	42.84	4.717		
4,400.00	4,260.22	4,400.78	4,292.82	23.81	22.71	-138.38	-505.77	743.64	206.91	163.04	43.87	4.716		
4,500.00	4,356.41	4,500.67	4,389.74	24.37	23.25	-138.32	-519.63	763.44	211.74	166.84	44.90	4.716		
4,600.00	4,452.60	4,600.55	4,486.65	24.94	23.79	-138.27	-533.49	783.23	216.57	170.64	45.94	4.715		
4,700.00	4,548.79	4,700.43	4,583.57	25.51	24.32	-138.22	-547.35	803.02	221.41	174.44	46.97	4.714		
4,800.00	4,644.99	4,800.31	4,680.48	26.08	24.86	-138.17	-561.21	822.82	226.24	178.24	48.00	4.713		
4,900.00	4,741.18	4,900.20	4,777.40	26.65	25.40	-138.12	-575.07	842.61	231.07	182.04	49.04	4.712		
5,000.00	4,837.37	5,000.08	4,874.32	27.21	25.94	-138.07	-588.93	862.41	235.91	185.83	50.07	4.711		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,100.04	4,971.23	27.78	26.48	-138.03	-602.79	882.20	240.74	189.63	51.11	4.710		
5,200.00	5,029.76	5,200.15	5,068.15	28.35	27.02	-137.99	-616.65	901.99	245.57	193.43	52.15	4.709		
5,300.00	5,125.95	5,300.27	5,165.06	28.92	27.56	-137.95	-630.51	921.79	250.41	197.22	53.18	4.708		
5,400.00	5,222.15	5,400.39	5,261.98	29.49	28.10	-137.91	-644.37	941.58	255.24	201.02	54.22	4.707		
5,500.00	5,318.34	5,500.50	5,358.90	30.06	28.64	-137.87	-658.23	961.38	260.07	204.81	55.26	4.706		
5,600.00	5,414.53	5,599.38	5,455.81	30.63	29.18	-137.83	-672.09	981.17	264.91	208.61	56.29	4.706		
5,700.00	5,510.73	5,700.74	5,552.73	31.20	29.73	-137.80	-685.95	1,000.96	269.74	212.40	57.34	4.704		
5,800.00	5,606.92	5,800.86	5,649.64	31.77	30.27	-137.76	-699.81	1,020.76	274.57	216.20	58.38	4.703		
5,900.00	5,703.11	5,900.97	5,746.56	32.34	30.81	-137.73	-713.67	1,040.55	279.41	219.99	59.42	4.703		
6,000.00	5,799.31	5,998.91	5,843.48	32.91	31.34	-137.70	-727.53	1,060.35	284.24	223.80	60.45	4.702		
6,100.00	5,895.50	6,101.21	5,940.39	33.48	31.90	-137.67	-741.38	1,080.14	289.08	227.58	61.50	4.701		
6,200.00	5,991.69	6,198.68	6,037.31	34.05	32.42	-137.64	-755.24	1,099.93	293.91	231.39	62.52	4.701		
6,300.00	6,087.89	6,298.56	6,134.22	34.62	32.97	-137.61	-769.10	1,119.73	298.74	235.18	63.56	4.700		
6,400.00	6,184.08	6,401.56	6,231.14	35.19	33.52	-137.58	-782.96	1,139.52	303.58	238.96	64.62	4.698		
6,500.00	6,280.27	6,501.68	6,328.06	35.77	34.07	-137.56	-796.82	1,159.31	308.41	242.75	65.66	4.697		
6,535.30	6,314.23	6,533.58	6,362.27	35.97	34.24	-137.55	-801.72	1,166.30	310.12	244.11	66.01	4.698		
6,550.00	6,328.40	6,548.27	6,376.51	36.05	34.32	-141.00	-803.75	1,169.21	310.82	244.65	66.17	4.697		
6,600.00	6,377.01	6,601.90	6,424.87	36.31	34.61	-155.85	-810.67	1,179.09	313.04	246.28	66.76	4.689		
6,650.00	6,426.00	6,647.55	6,472.85	36.54	34.86	-175.77	-817.53	1,188.89	315.13	247.75	67.38	4.677		
6,700.00	6,475.08	6,696.29	6,520.37	36.73	35.11	162.84	-824.33	1,197.25	317.32	249.27	68.05	4.663		
6,750.00	6,523.94	6,745.64	6,568.98	36.90	35.34	145.69	-831.31	1,202.00	319.74	251.07	68.68	4.656		
6,800.00	6,572.28	6,795.74	6,618.55	37.05	35.54	134.37	-838.44	1,202.92	322.39	253.12	69.27	4.654		
6,850.00	6,619.81	6,846.65	6,668.83	37.19	35.71	127.32	-845.70	1,199.82	325.23	255.41	69.82	4.658		
6,900.00	6,666.23	6,898.38	6,719.50	37.32	35.88	122.96	-853.03	1,192.52	328.24	257.91	70.33	4.667		
6,950.00	6,711.25	6,950.97	6,770.24	37.46	36.03	120.25	-860.39	1,180.86	331.38	260.57	70.80	4.680		
7,000.00	6,754.60	7,004.45	6,820.67	37.61	36.20	118.58	-867.73	1,164.72	334.60	263.37	71.23	4.697		
7,050.00	6,796.01	7,058.82	6,870.38	37.77	36.37	117.59	-874.98	1,143.97	337.87	266.27	71.60	4.719		
7,100.00	6,835.22	7,114.10	6,918.94	37.94	36.55	117.05	-882.10	1,118.57	341.12	269.20	71.92	4.743		
7,150.00	6,871.99	7,170.28	6,965.86	38.12	36.76	116.80	-889.00	1,088.49	344.31	272.12	72.19	4.769		
7,200.00	6,906.10	7,227.34	7,010.65	38.34	36.99	116.76	-895.61	1,053.78	347.37	274.95	72.42	4.797		
7,250.00	6,937.34	7,285.26	7,052.77	38.57	37.25	116.84	-901.86	1,014.55	350.25	277.63	72.62	4.823		
7,300.00	6,965.51	7,344.00	7,091.70	38.84	37.56	117.01	-907.68	970.98	352.89	280.06	72.83	4.846		
7,350.00	6,990.44	7,403.49	7,126.91	39.14	37.90	117.21	-912.97	923.35	355.23	282.16	73.07	4.862		
7,400.00	7,011.97	7,463.66	7,157.88	39.47	38.31	117.43	-917.68	872.00	357.23	283.85	73.38	4.868		
7,450.00	7,029.98	7,524.42	7,184.15	39.85	38.77	117.64	-921.72	817.39	358.84	285.05	73.79	4.863		
7,500.00	7,044.34	7,585.66	7,205.30	40.26	39.30	117.83	-925.04	760.03	360.01	285.68	74.34	4.843		
7,550.00	7,054.99	7,647.28	7,220.96	40.72	39.88	117.97	-927.58	700.52	360.73	285.69	75.05	4.807		
7,600.00	7,061.83	7,709.13	7,230.89	41.21	40.52	118.07	-929.30	639.52	360.97	285.03	75.93	4.754		
7,650.00	7,064.85	7,771.10	7,234.91	41.73	41.21	118.12	-930.17	577.71	360.70	283.71	76.99	4.685		
7,661.89	7,065.00	7,785.83	7,234.99	41.86	41.38	118.13	-930.26	562.98	360.57	283.30	77.27	4.666		
7,700.00	7,065.13	7,822.92	7,235.09	42.28	41.83	118.15	-930.45	525.89	360.20	282.01	78.19	4.607		
7,800.00	7,065.47	7,922.92	7,235.31	43.53	43.14	118.21	-930.96	425.90	359.23	278.47	80.76	4.448		
7,900.00	7,065.82	8,022.91	7,235.52	44.94	44.61	118.27	-931.46	325.90	358.26	274.70	83.57	4.287		
8,000.00	7,066.16	8,122.91	7,235.73	46.50	46.21	118.33	-931.97	225.91	357.29	270.72	86.57	4.127		
8,100.00	7,066.50	8,222.90	7,235.95	48.19	47.94	118.39	-932.48	125.92	356.32	266.55	89.77	3.969		
8,200.00	7,066.85	8,322.90	7,236.16	50.00	49.78	118.45	-932.99	25.92	355.35	262.22	93.13	3.816		
8,300.00	7,067.19	8,422.89	7,236.37	51.91	51.71	118.52	-933.50	-74.07	354.38	257.75	96.63	3.667		
8,400.00	7,067.54	8,522.89	7,236.58	53.92	53.74	118.58	-934.01	-174.06	353.41	253.14	100.27	3.525		
8,500.00	7,067.88	8,622.88	7,236.80	56.01	55.83	118.64	-934.51	-274.05	352.44	248.42	104.02	3.388		
8,600.00	7,068.22	8,722.87	7,237.01	58.16	58.00	118.70	-935.02	-374.05	351.47	243.60	107.88	3.258		
8,700.00	7,068.57	8,822.87	7,237.22	60.38	60.23	118.76	-935.53	-474.04	350.50	238.68	111.82	3.134		
8,800.00	7,068.91	8,922.86	7,237.44	62.65	62.51	118.83	-936.04	-574.03	349.53	233.68	115.85	3.017		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	9,022.86	7,237.65	64.97	64.83	118.89	-936.55	-674.03	348.57	228.61	119.96	2.906		
9,000.00	7,069.60	9,122.85	7,237.86	67.34	67.20	118.95	-937.06	-774.02	347.60	223.48	124.12	2.800		
9,100.00	7,069.94	9,222.85	7,238.08	69.74	69.61	119.02	-937.56	-874.01	346.63	218.29	128.35	2.701		
9,200.00	7,070.28	9,322.84	7,238.29	72.18	72.05	119.08	-938.07	-974.01	345.67	213.04	132.62	2.606		
9,300.00	7,070.63	9,422.84	7,238.50	74.65	74.52	119.14	-938.58	-1,074.00	344.70	207.76	136.95	2.517		
9,400.00	7,070.97	9,522.83	7,238.71	77.15	77.01	119.21	-939.09	-1,173.99	343.74	202.43	141.31	2.433		
9,500.00	7,071.32	9,622.83	7,238.93	79.67	79.54	119.27	-939.60	-1,273.99	342.77	197.06	145.71	2.352		
9,600.00	7,071.66	9,722.82	7,239.14	82.22	82.08	119.34	-940.10	-1,373.98	341.81	191.66	150.14	2.277		
9,700.00	7,072.00	9,822.82	7,239.35	84.78	84.65	119.41	-940.61	-1,473.97	340.84	186.24	154.60	2.205		
9,800.00	7,072.35	9,922.81	7,239.57	87.37	87.23	119.47	-941.12	-1,573.96	339.88	180.79	159.09	2.136		
9,900.00	7,072.69	10,022.80	7,239.78	89.97	89.83	119.54	-941.63	-1,673.96	338.92	175.31	163.60	2.072		
10,000.00	7,073.03	10,122.80	7,239.99	92.59	92.44	119.61	-942.14	-1,773.95	337.95	169.82	168.14	2.010		
10,100.00	7,073.38	10,222.79	7,240.21	95.22	95.07	119.67	-942.65	-1,873.94	336.99	164.30	172.69	1.951		
10,200.00	7,073.72	10,322.79	7,240.42	97.86	97.72	119.74	-943.15	-1,973.94	336.03	158.77	177.26	1.896		
10,300.00	7,074.07	10,422.78	7,240.63	100.52	100.37	119.81	-943.66	-2,073.93	335.07	153.23	181.84	1.843		
10,400.00	7,074.41	10,522.78	7,240.84	103.19	103.04	119.88	-944.17	-2,173.92	334.11	147.67	186.44	1.792		
10,500.00	7,074.75	10,622.77	7,241.06	105.87	105.71	119.95	-944.68	-2,273.92	333.15	142.10	191.04	1.744		
10,600.00	7,075.10	10,722.77	7,241.27	108.55	108.40	120.02	-945.19	-2,373.91	332.19	136.53	195.66	1.698		
10,700.00	7,075.44	10,822.76	7,241.48	111.25	111.09	120.09	-945.70	-2,473.90	331.23	130.94	200.29	1.654		
10,800.00	7,075.78	10,922.76	7,241.70	113.96	113.79	120.16	-946.20	-2,573.89	330.27	125.35	204.92	1.612		
10,900.00	7,076.13	11,022.75	7,241.91	116.67	116.50	120.23	-946.71	-2,673.89	329.31	119.75	209.56	1.571		
11,000.00	7,076.47	11,122.74	7,242.12	119.39	119.22	120.30	-947.22	-2,773.88	328.35	114.14	214.21	1.533		
11,100.00	7,076.81	11,222.74	7,242.34	122.11	121.94	120.37	-947.73	-2,873.87	327.39	108.53	218.86	1.496 Level 3		
11,200.00	7,077.16	11,322.73	7,242.55	124.85	124.67	120.44	-948.24	-2,973.87	326.44	102.92	223.51	1.460 Level 3		
11,300.00	7,077.50	11,422.73	7,242.76	127.58	127.41	120.51	-948.74	-3,073.86	325.48	97.31	228.17	1.426 Level 3		
11,400.00	7,077.85	11,522.72	7,242.97	130.33	130.15	120.59	-949.25	-3,173.85	324.53	91.69	232.83	1.394 Level 3		
11,500.00	7,078.19	11,622.72	7,243.19	133.08	132.89	120.66	-949.76	-3,273.85	323.57	86.08	237.49	1.362 Level 3		
11,600.00	7,078.53	11,722.71	7,243.40	135.83	135.64	120.73	-950.27	-3,373.84	322.62	80.46	242.16	1.332 Level 3		
11,700.00	7,078.88	11,822.71	7,243.61	138.59	138.40	120.81	-950.78	-3,473.83	321.66	74.84	246.82	1.303 Level 3		
11,800.00	7,079.22	11,922.70	7,243.83	141.35	141.15	120.88	-951.29	-3,573.83	320.71	69.22	251.48	1.275 Level 3		
11,900.00	7,079.56	12,022.70	7,244.04	144.11	143.92	120.96	-951.79	-3,673.82	319.75	63.61	256.15	1.248 Level 2		
12,000.00	7,079.91	12,122.69	7,244.25	146.88	146.68	121.03	-952.30	-3,773.81	318.80	57.99	260.81	1.222 Level 2		
12,100.00	7,080.25	12,222.69	7,244.47	149.66	149.45	121.11	-952.81	-3,873.80	317.85	52.38	265.47	1.197 Level 2		
12,200.00	7,080.60	12,322.68	7,244.68	152.43	152.23	121.18	-953.32	-3,973.80	316.90	46.77	270.13	1.173 Level 2		
12,300.00	7,080.94	12,422.67	7,244.89	155.21	155.00	121.26	-953.83	-4,073.79	315.95	41.17	274.78	1.150 Level 2		
12,400.00	7,081.28	12,522.67	7,245.10	157.99	157.78	121.34	-954.34	-4,173.78	315.00	35.56	279.43	1.127 Level 2		
12,500.00	7,081.63	12,622.66	7,245.32	160.78	160.56	121.41	-954.84	-4,273.78	314.05	29.96	284.08	1.105 Level 2		
12,600.00	7,081.97	12,722.66	7,245.53	163.57	163.35	121.49	-955.35	-4,373.77	313.10	24.37	288.73	1.084 Level 2		
12,700.00	7,082.31	12,822.65	7,245.74	166.36	166.13	121.57	-955.86	-4,473.76	312.15	18.78	293.37	1.064 Level 2		
12,800.00	7,082.66	12,922.65	7,245.96	169.15	168.92	121.65	-956.37	-4,573.76	311.20	13.20	298.01	1.044 Level 2		
12,900.00	7,083.00	13,022.64	7,246.17	171.94	171.71	121.73	-956.88	-4,673.75	310.25	7.62	302.64	1.025 Level 2		
13,000.00	7,083.35	13,122.64	7,246.38	174.74	174.51	121.81	-957.38	-4,773.74	309.31	2.04	307.27	1.007 Level 2		
13,100.00	7,083.69	13,222.63	7,246.60	177.54	177.30	121.89	-957.89	-4,873.74	308.36	-3.53	311.89	0.989 Level 1		
13,200.00	7,084.03	13,322.63	7,246.81	180.34	180.10	121.97	-958.40	-4,973.73	307.42	-9.09	316.51	0.971 Level 1		
13,300.00	7,084.38	13,422.62	7,247.02	183.14	182.90	122.05	-958.91	-5,073.72	306.47	-14.65	321.12	0.954 Level 1		
13,400.00	7,084.72	13,522.61	7,247.23	185.95	185.70	122.13	-959.42	-5,173.71	305.53	-20.19	325.72	0.938 Level 1		
13,500.00	7,085.06	13,622.61	7,247.45	188.76	188.51	122.22	-959.93	-5,273.71	304.58	-25.74	330.32	0.922 Level 1		
13,600.00	7,085.41	13,722.60	7,247.66	191.56	191.31	122.30	-960.43	-5,373.70	303.64	-31.27	334.91	0.907 Level 1		
13,700.00	7,085.75	13,822.60	7,247.87	194.37	194.12	122.38	-960.94	-5,473.69	302.70	-36.80	339.50	0.892 Level 1		
13,800.00	7,086.09	13,922.59	7,248.09	197.18	196.92	122.47	-961.45	-5,573.69	301.76	-42.32	344.07	0.877 Level 1		
13,900.00	7,086.44	14,022.59	7,248.30	200.00	199.73	122.55	-961.96	-5,673.68	300.81	-47.83	348.64	0.863 Level 1		
14,000.00	7,086.78	14,122.58	7,248.51	202.81	202.54	122.64	-962.47	-5,773.67	299.87	-53.33	353.21	0.849 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	14,222.58	7,248.73	205.63	205.36	122.72	-962.98	-5,873.67	298.93	-58.83	357.76	0.836 Level 1		
14,200.00	7,087.47	14,322.57	7,248.94	208.44	208.17	122.81	-963.48	-5,973.66	297.99	-64.31	362.31	0.822 Level 1		
14,300.00	7,087.81	14,422.57	7,249.15	211.26	210.98	122.90	-963.99	-6,073.65	297.06	-69.79	366.85	0.810 Level 1		
14,400.00	7,088.16	14,522.56	7,249.36	214.08	213.80	122.98	-964.50	-6,173.65	296.12	-75.26	371.38	0.797 Level 1		
14,500.00	7,088.50	14,622.56	7,249.58	216.90	216.62	123.07	-965.01	-6,273.64	295.18	-80.72	375.90	0.785 Level 1		
14,600.00	7,088.84	14,722.55	7,249.79	219.72	219.43	123.16	-965.52	-6,373.63	294.24	-86.17	380.41	0.773 Level 1		
14,700.00	7,089.19	14,822.54	7,250.00	222.54	222.25	123.25	-966.02	-6,473.62	293.31	-91.61	384.91	0.762 Level 1		
14,800.00	7,089.53	14,922.54	7,250.22	225.37	225.07	123.34	-966.53	-6,573.62	292.37	-97.03	389.41	0.751 Level 1		
14,900.00	7,089.88	15,022.53	7,250.43	228.19	227.89	123.43	-967.04	-6,673.61	291.44	-102.45	393.89	0.740 Level 1		
15,000.00	7,090.22	15,122.53	7,250.64	231.02	230.71	123.52	-967.55	-6,773.60	290.51	-107.86	398.37	0.729 Level 1		
15,100.00	7,090.56	15,222.52	7,250.86	233.84	233.54	123.61	-968.06	-6,873.60	289.57	-113.26	402.83	0.719 Level 1		
15,200.00	7,090.91	15,322.52	7,251.07	236.67	236.36	123.70	-968.57	-6,973.59	288.64	-118.65	407.29	0.709 Level 1		
15,227.29	7,091.00	15,349.81	7,251.13	237.44	237.13	123.73	-968.70	-7,000.88	288.39	-120.11	408.50	0.706 Level 1		
15,259.43	7,091.11	15,381.94	7,251.19	238.35	238.04	123.74	-968.87	-7,033.01	288.24	-121.77	410.01	0.703 Level 1		
15,300.00	7,091.25	15,422.51	7,251.28	239.49	239.19	123.70	-969.07	-7,073.58	288.48	-123.65	412.13	0.700 Level 1		
15,326.57	7,091.35	15,449.08	7,251.34	240.24	239.94	123.64	-969.21	-7,100.15	288.89	-124.76	413.65	0.698 Level 1		
15,400.00	7,091.60	15,522.49	7,251.49	242.30	242.01	123.43	-969.58	-7,173.56	290.32	-127.68	418.01	0.695 Level 1		
15,500.00	7,091.96	15,622.46	7,251.71	245.12	244.83	123.14	-970.09	-7,273.52	292.28	-131.66	423.94	0.689 Level 1		
15,600.00	7,092.31	15,722.43	7,251.92	247.93	247.66	122.86	-970.60	-7,373.49	294.25	-135.64	429.88	0.684 Level 1		
15,700.00	7,092.66	15,822.40	7,252.13	250.75	250.49	122.58	-971.11	-7,473.46	296.22	-139.61	435.83	0.680 Level 1		
15,800.00	7,093.01	15,922.37	7,252.35	253.56	253.31	122.31	-971.61	-7,573.43	298.20	-143.58	441.78	0.675 Level 1		
15,900.00	7,093.36	16,022.34	7,252.56	256.38	256.14	122.04	-972.12	-7,673.40	300.18	-147.55	447.73	0.670 Level 1		
16,000.00	7,093.71	16,122.31	7,252.77	259.20	258.97	121.77	-972.63	-7,773.37	302.17	-151.51	453.69	0.666 Level 1		
16,100.00	7,094.07	16,222.28	7,252.98	262.02	261.80	121.51	-973.14	-7,873.34	304.17	-155.47	459.65	0.662 Level 1		
16,200.00	7,094.42	16,322.25	7,253.20	264.84	264.63	121.25	-973.65	-7,973.31	306.18	-159.43	465.61	0.658 Level 1		
16,300.00	7,094.77	16,422.22	7,253.41	267.65	267.46	120.99	-974.15	-8,073.28	308.19	-163.39	471.58	0.654 Level 1		
16,400.00	7,095.12	16,522.19	7,253.62	270.47	270.29	120.74	-974.66	-8,173.24	310.21	-167.34	477.55	0.650 Level 1		
16,500.00	7,095.47	16,622.16	7,253.84	273.30	273.12	120.49	-975.17	-8,273.21	312.23	-171.29	483.52	0.646 Level 1		
16,600.00	7,095.82	16,722.13	7,254.05	276.12	275.96	120.24	-975.68	-8,373.18	314.26	-175.23	489.49	0.642 Level 1		
16,700.00	7,096.18	16,822.10	7,254.26	278.94	278.79	120.00	-976.19	-8,473.15	316.29	-179.17	495.47	0.638 Level 1		
16,800.00	7,096.53	16,922.07	7,254.48	281.76	281.62	119.76	-976.70	-8,573.12	318.33	-183.11	501.44	0.635 Level 1		
16,900.00	7,096.88	17,022.04	7,254.69	284.58	284.46	119.52	-977.20	-8,673.09	320.38	-187.05	507.42	0.631 Level 1		
17,000.00	7,097.23	17,122.01	7,254.90	287.41	287.29	119.29	-977.71	-8,773.06	322.43	-190.98	513.40	0.628 Level 1		
17,100.00	7,097.58	17,221.98	7,255.11	290.23	290.12	119.06	-978.22	-8,873.03	324.49	-194.90	519.39	0.625 Level 1		
17,200.00	7,097.93	17,321.95	7,255.33	293.06	292.96	118.83	-978.73	-8,972.99	326.55	-198.82	525.37	0.622 Level 1		
17,300.00	7,098.29	17,421.92	7,255.54	295.88	295.79	118.60	-979.24	-9,072.96	328.61	-202.74	531.35	0.618 Level 1		
17,400.00	7,098.64	17,521.89	7,255.75	298.71	298.63	118.38	-979.74	-9,172.93	330.69	-206.65	537.34	0.615 Level 1		
17,500.00	7,098.99	17,621.86	7,255.97	301.53	301.47	118.16	-980.25	-9,272.90	332.76	-210.56	543.33	0.612 Level 1		
17,600.00	7,099.34	17,721.83	7,256.18	304.36	304.30	117.94	-980.76	-9,372.87	334.85	-214.47	549.31	0.610 Level 1		
17,700.00	7,099.69	17,821.80	7,256.39	307.19	307.14	117.73	-981.27	-9,472.84	336.93	-218.37	555.30	0.607 Level 1		
17,800.00	7,100.04	17,921.77	7,256.61	310.01	309.98	117.51	-981.78	-9,572.81	339.02	-222.27	561.29	0.604 Level 1		
17,900.00	7,100.40	18,021.74	7,256.82	312.84	312.82	117.31	-982.28	-9,672.78	341.12	-226.16	567.28	0.601 Level 1		
18,000.00	7,100.75	18,121.71	7,257.03	315.67	315.65	117.10	-982.79	-9,772.74	343.22	-230.05	573.27	0.599 Level 1		
18,100.00	7,101.10	18,221.69	7,257.24	318.50	318.49	116.89	-983.30	-9,872.71	345.32	-233.93	579.25	0.596 Level 1		
18,200.00	7,101.45	18,321.66	7,257.46	321.33	321.33	116.69	-983.81	-9,972.68	347.43	-237.81	585.24	0.594 Level 1		
18,300.00	7,101.80	18,421.63	7,257.67	324.16	324.17	116.49	-984.32	-10,072.65	349.55	-241.69	591.23	0.591 Level 1		
18,400.00	7,102.16	18,521.60	7,257.88	326.99	327.01	116.30	-984.83	-10,172.62	351.66	-245.56	597.22	0.589 Level 1		
18,500.00	7,102.51	18,621.57	7,258.10	329.82	329.85	116.10	-985.33	-10,272.59	353.79	-249.42	603.21	0.587 Level 1		
18,600.00	7,102.86	18,721.54	7,258.31	332.65	332.69	115.91	-985.84	-10,372.56	355.91	-253.28	609.20	0.584 Level 1		
18,700.00	7,103.21	18,821.51	7,258.52	335.48	335.53	115.72	-986.35	-10,472.53	358.04	-257.14	615.18	0.582 Level 1		
18,800.00	7,103.56	18,921.48	7,258.73	338.31	338.37	115.53	-986.86	-10,572.50	360.17	-261.00	621.17	0.580 Level 1		
18,900.00	7,103.91	19,021.45	7,258.95	341.14	341.21	115.35	-987.37	-10,672.46	362.31	-264.85	627.16	0.578 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	19,045.96	7,259.00	341.83	341.91	115.30	-987.49	-10,696.97	362.84	-265.79	628.62	0.577	Level 1, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-60.11	-0.56	60.11					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-60.11	-0.56	60.11	53.54	6.57	9.150		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-60.11	-0.56	60.11	53.43	6.67	9.006 CC, ES		
300.00	299.98	298.30	298.28	3.44	3.44	47.82	-61.50	0.39	60.34	53.46	6.89	8.764		
400.00	399.84	396.59	396.44	3.59	3.59	48.67	-65.69	3.22	61.06	53.86	7.20	8.480		
500.00	499.45	494.87	494.35	3.80	3.78	50.05	-72.67	7.93	62.28	54.66	7.61	8.181		
600.00	598.70	593.13	591.90	4.04	4.02	51.88	-82.42	14.53	64.04	55.93	8.11	7.898		
700.00	697.47	691.36	688.96	4.32	4.29	54.09	-94.93	22.98	66.40	57.72	8.68	7.652		
800.00	795.62	789.56	785.41	4.65	4.61	56.57	-110.19	33.30	69.40	60.09	9.31	7.453		
900.00	893.06	887.72	881.13	5.02	4.96	59.21	-128.17	45.45	73.09	63.09	10.01	7.304		
993.00	982.91	978.96	969.40	5.39	5.32	61.74	-147.31	58.38	77.19	66.48	10.71	7.205		
1,000.00	989.65	985.83	976.01	5.42	5.35	61.94	-148.84	59.42	77.53	66.76	10.77	7.200		
1,100.00	1,085.84	1,083.87	1,069.91	5.86	5.78	63.52	-172.18	75.19	83.60	72.01	11.59	7.212		
1,200.00	1,182.03	1,181.65	1,162.55	6.32	6.24	63.24	-198.09	92.71	91.84	79.39	12.46	7.373		
1,300.00	1,278.22	1,280.78	1,255.72	6.79	6.75	62.00	-226.13	111.66	101.55	88.19	13.36	7.602		
1,400.00	1,374.42	1,380.28	1,349.22	7.28	7.28	60.95	-254.33	130.72	111.33	97.04	14.29	7.792		
1,500.00	1,470.61	1,479.78	1,442.72	7.79	7.82	60.07	-282.52	149.78	121.14	105.90	15.24	7.949		
1,600.00	1,566.80	1,579.28	1,536.22	8.30	8.38	59.32	-310.72	168.83	130.98	114.77	16.21	8.080		
1,700.00	1,663.00	1,678.78	1,629.72	8.82	8.94	58.68	-338.91	187.89	140.84	123.64	17.20	8.189		
1,800.00	1,759.19	1,778.28	1,723.22	9.34	9.52	58.12	-367.11	206.95	150.71	132.51	18.20	8.282		
1,900.00	1,855.38	1,877.79	1,816.73	9.87	10.11	57.63	-395.30	226.01	160.59	141.38	19.21	8.360		
2,000.00	1,951.58	1,977.29	1,910.23	10.41	10.70	57.20	-423.50	245.06	170.49	150.26	20.23	8.428		
2,100.00	2,047.77	2,076.79	2,003.73	10.95	11.29	56.81	-451.69	264.12	180.39	159.13	21.26	8.486		
2,200.00	2,143.96	2,176.29	2,097.23	11.49	11.89	56.47	-479.89	283.18	190.30	168.01	22.29	8.536		
2,300.00	2,240.16	2,275.79	2,190.73	12.04	12.50	56.15	-508.09	302.24	200.22	176.88	23.33	8.580		
2,400.00	2,336.35	2,375.29	2,284.23	12.58	13.10	55.87	-536.28	321.29	210.14	185.76	24.38	8.619		
2,500.00	2,432.54	2,474.79	2,377.73	13.13	13.71	55.62	-564.48	340.35	220.06	194.63	25.43	8.653		
2,600.00	2,528.74	2,574.30	2,471.23	13.69	14.32	55.38	-592.67	359.41	229.99	203.51	26.49	8.683		
2,700.00	2,624.93	2,673.80	2,564.73	14.24	14.94	55.17	-620.87	378.46	239.93	212.38	27.55	8.710		
2,800.00	2,721.12	2,773.30	2,658.23	14.80	15.56	54.97	-649.06	397.52	249.86	221.26	28.61	8.734		
2,900.00	2,817.32	2,872.80	2,751.73	15.35	16.17	54.79	-677.26	416.58	259.80	230.13	29.67	8.756		
3,000.00	2,913.51	2,972.30	2,845.23	15.91	16.79	54.62	-705.45	435.64	269.75	239.00	30.74	8.775		
3,100.00	3,009.70	3,071.80	2,938.74	16.46	17.41	54.46	-733.65	454.69	279.69	247.88	31.81	8.792		
3,200.00	3,105.90	3,171.31	3,032.24	17.03	18.04	54.31	-761.84	473.75	289.64	256.75	32.88	8.808		
3,300.00	3,202.09	3,270.81	3,125.74	17.59	18.66	54.18	-790.04	492.81	299.58	265.63	33.96	8.823		
3,400.00	3,298.28	3,370.31	3,219.24	18.15	19.28	54.05	-818.23	511.87	309.53	274.50	35.03	8.836		
3,500.00	3,394.48	3,469.81	3,312.74	18.72	19.91	53.93	-846.43	530.92	319.48	283.38	36.11	8.848		
3,600.00	3,490.67	3,569.31	3,406.24	19.28	20.53	53.82	-874.62	549.98	329.44	292.25	37.19	8.859		
3,700.00	3,586.86	3,668.81	3,499.74	19.84	21.16	53.71	-902.82	569.04	339.39	301.12	38.27	8.869		
3,800.00	3,683.06	3,768.31	3,593.24	20.41	21.79	53.61	-931.01	588.09	349.34	310.00	39.35	8.878		
3,900.00	3,779.25	3,867.82	3,686.74	20.97	22.42	53.51	-959.21	607.15	359.30	318.87	40.43	8.887		
4,000.00	3,875.44	3,967.32	3,780.24	21.54	23.04	53.42	-987.40	626.21	369.26	327.74	41.51	8.895		
4,100.00	3,971.64	4,066.82	3,873.74	22.11	23.67	53.34	-1,015.60	645.27	379.21	336.62	42.60	8.902		
4,200.00	4,067.83	4,166.32	3,967.24	22.67	24.30	53.26	-1,043.79	664.32	389.17	345.49	43.68	8.909		
4,300.00	4,164.02	4,265.82	4,060.75	23.24	24.93	53.18	-1,071.99	683.38	399.13	354.36	44.77	8.915		
4,400.00	4,260.22	4,365.32	4,154.25	23.81	25.56	53.11	-1,100.18	702.44	409.09	363.23	45.86	8.921		
4,500.00	4,356.41	4,464.82	4,247.75	24.37	26.19	53.04	-1,128.38	721.50	419.05	372.11	46.94	8.927		
4,600.00	4,452.60	4,564.33	4,341.25	24.94	26.82	52.98	-1,156.57	740.55	429.01	380.98	48.03	8.932		
4,700.00	4,548.79	4,663.83	4,434.75	25.51	27.46	52.91	-1,184.77	759.61	438.97	389.85	49.12	8.937		
4,800.00	4,644.99	4,763.33	4,528.25	26.08	28.09	52.85	-1,212.96	778.67	448.93	398.72	50.21	8.941		
4,900.00	4,741.18	4,862.83	4,621.75	26.65	28.72	52.79	-1,241.16	797.72	458.89	407.60	51.30	8.946		
5,000.00	4,837.37	4,962.33	4,715.25	27.21	29.35	52.74	-1,269.35	816.78	468.86	416.47	52.39	8.950		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,061.83	4,808.75	27.78	29.98	52.69	-1,297.55	835.84	478.82	425.34	53.48	8.954		
5,200.00	5,029.76	5,161.34	4,902.25	28.35	30.62	52.64	-1,325.74	854.90	488.78	434.21	54.57	8.957		
5,300.00	5,125.95	5,260.84	4,995.75	28.92	31.25	52.59	-1,353.94	873.95	498.75	443.09	55.66	8.960		
5,400.00	5,222.15	5,360.34	5,089.25	29.49	31.88	52.54	-1,382.13	893.01	508.71	451.96	56.75	8.964		
5,500.00	5,318.34	5,459.84	5,182.76	30.06	32.52	52.50	-1,410.33	912.07	518.67	460.83	57.85	8.967		
5,600.00	5,414.53	5,559.34	5,276.26	30.63	33.15	52.45	-1,438.52	931.12	528.64	469.70	58.94	8.969		
5,700.00	5,510.73	5,658.84	5,369.76	31.20	33.78	52.41	-1,466.72	950.18	538.60	478.57	60.03	8.972		
5,800.00	5,606.92	5,758.34	5,463.26	31.77	34.42	52.37	-1,494.91	969.24	548.57	487.45	61.12	8.975		
5,900.00	5,703.11	5,857.85	5,556.76	32.34	35.05	52.33	-1,523.11	988.30	558.53	496.32	62.22	8.977		
6,000.00	5,799.31	5,957.35	5,650.26	32.91	35.68	52.29	-1,551.30	1,007.35	568.50	505.19	63.31	8.979		
6,100.00	5,895.50	6,056.85	5,743.76	33.48	36.32	52.26	-1,579.50	1,026.41	578.47	514.06	64.41	8.982		
6,200.00	5,991.69	6,156.35	5,837.26	34.05	36.95	52.22	-1,607.70	1,045.47	588.43	522.93	65.50	8.984		
6,300.00	6,087.89	6,255.85	5,930.76	34.62	37.59	52.19	-1,635.89	1,064.53	598.40	531.80	66.59	8.986		
6,400.00	6,184.08	6,355.35	6,024.26	35.19	38.22	52.16	-1,664.09	1,083.58	608.37	540.68	67.69	8.988		
6,500.00	6,280.27	6,454.86	6,117.76	35.77	38.86	52.13	-1,692.28	1,102.64	618.33	549.55	68.78	8.989		
6,535.30	6,314.23	6,489.98	6,150.77	35.97	39.08	52.11	-1,702.23	1,109.37	621.85	552.68	69.17	8.990		
6,550.00	6,328.40	6,504.61	6,164.51	36.05	39.17	48.80	-1,706.38	1,112.17	623.30	553.97	69.33	8.991		
6,600.00	6,377.01	6,554.27	6,211.18	36.31	39.49	33.69	-1,720.45	1,121.68	627.96	558.16	69.80	8.996		
6,650.00	6,426.00	6,603.56	6,257.50	36.54	39.81	12.43	-1,734.42	1,131.12	632.26	562.08	70.18	9.009		
6,700.00	6,475.08	6,652.18	6,303.19	36.73	40.12	-11.05	-1,748.20	1,140.43	636.29	565.82	70.47	9.029		
6,750.00	6,523.94	6,699.83	6,347.97	36.90	40.42	-30.58	-1,761.70	1,149.56	640.22	569.54	70.69	9.057		
6,800.00	6,572.28	6,746.21	6,391.55	37.05	40.72	-44.52	-1,774.84	1,158.44	644.28	573.45	70.83	9.096		
6,850.00	6,619.81	6,791.04	6,433.67	37.19	41.00	-54.34	-1,787.54	1,167.03	648.74	577.82	70.92	9.147		
6,900.00	6,666.23	6,834.04	6,474.08	37.32	41.28	-61.56	-1,799.73	1,175.26	653.92	582.95	70.97	9.214		
6,950.00	6,711.25	6,875.29	6,512.85	37.46	41.54	-67.13	-1,811.42	1,183.14	660.14	589.15	70.98	9.300		
7,000.00	6,754.60	6,919.00	6,554.21	37.61	41.80	-71.70	-1,823.91	1,189.67	667.57	596.52	71.05	9.396		
7,050.00	6,796.01	6,964.80	6,597.90	37.77	42.05	-75.52	-1,837.13	1,193.32	676.17	604.99	71.17	9.500		
7,100.00	6,835.22	7,013.10	6,644.11	37.94	42.28	-78.83	-1,851.15	1,193.59	685.87	614.52	71.35	9.613		
7,150.00	6,871.99	7,064.39	6,693.03	38.12	42.49	-81.78	-1,866.04	1,189.88	696.59	625.03	71.56	9.735		
7,200.00	6,906.10	7,119.27	6,744.88	38.34	42.68	-84.48	-1,881.85	1,181.37	708.19	636.42	71.78	9.867		
7,250.00	6,937.34	7,178.50	6,799.80	38.57	42.85	-86.99	-1,898.65	1,166.98	720.52	648.55	71.97	10.012		
7,300.00	6,965.51	7,242.98	6,857.83	38.84	43.01	-89.38	-1,916.47	1,145.33	733.34	661.25	72.09	10.173		
7,350.00	6,990.44	7,313.77	6,918.75	39.14	43.17	-91.69	-1,935.25	1,114.62	746.38	674.27	72.11	10.350		
7,400.00	7,011.97	7,392.11	6,981.87	39.47	43.33	-93.93	-1,954.80	1,072.64	759.29	687.25	72.03	10.541		
7,450.00	7,029.98	7,479.25	7,045.67	39.85	43.52	-96.08	-1,974.69	1,016.82	771.62	699.70	71.93	10.728		
7,500.00	7,044.34	7,576.29	7,107.36	40.26	43.77	-98.08	-1,994.10	944.59	782.87	710.91	71.96	10.879		
7,550.00	7,054.99	7,683.75	7,162.50	40.72	44.12	-99.82	-2,011.69	854.21	792.42	719.96	72.47	10.935		
7,600.00	7,061.83	7,800.97	7,205.12	41.21	44.62	-101.13	-2,025.65	746.09	799.66	725.81	73.86	10.827		
7,650.00	7,064.85	7,925.63	7,228.83	41.73	45.34	-101.86	-2,033.99	624.19	804.03	727.59	76.44	10.518		
7,661.89	7,065.00	7,955.95	7,231.11	41.86	45.54	-101.93	-2,034.97	593.97	804.60	727.37	77.23	10.418		
7,700.00	7,065.13	8,012.07	7,232.22	42.28	45.95	-101.98	-2,035.84	537.88	805.40	726.69	78.71	10.233		
7,800.00	7,065.47	8,112.05	7,233.02	43.53	46.82	-101.99	-2,037.03	437.91	807.18	725.81	81.36	9.921		
7,900.00	7,065.82	8,212.04	7,233.83	44.94	47.87	-101.99	-2,038.22	337.93	808.95	724.65	84.31	9.595		
8,000.00	7,066.16	8,312.02	7,234.64	46.50	49.10	-102.00	-2,039.41	237.96	810.73	723.22	87.51	9.264		
8,100.00	7,066.50	8,412.00	7,235.45	48.19	50.50	-102.01	-2,040.60	137.98	812.50	721.55	90.95	8.933		
8,200.00	7,066.85	8,511.99	7,236.26	50.00	52.06	-102.01	-2,041.80	38.01	814.28	719.68	94.60	8.608		
8,300.00	7,067.19	8,611.97	7,237.06	51.91	53.75	-102.02	-2,042.99	-61.96	816.05	717.63	98.42	8.291		
8,400.00	7,067.54	8,711.96	7,237.87	53.92	55.56	-102.03	-2,044.18	-161.94	817.83	715.41	102.42	7.985		
8,500.00	7,067.88	8,811.94	7,238.68	56.01	57.48	-102.03	-2,045.37	-261.91	819.60	713.05	106.56	7.692		
8,600.00	7,068.22	8,911.93	7,239.49	58.16	59.48	-102.04	-2,046.56	-361.88	821.38	710.56	110.82	7.412		
8,700.00	7,068.57	9,011.91	7,240.29	60.38	61.57	-102.05	-2,047.75	-461.86	823.15	707.95	115.20	7.145		
8,800.00	7,068.91	9,111.89	7,241.10	62.65	63.72	-102.05	-2,048.94	-561.83	824.93	705.24	119.69	6.892		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	9,211.88	7,241.91	64.97	65.94	-102.06	-2,050.13	-661.81	826.70	702.44	124.26	6.653		
9,000.00	7,069.60	9,311.86	7,242.72	67.34	68.21	-102.07	-2,051.33	-761.78	828.48	699.56	128.92	6.426		
9,100.00	7,069.94	9,411.85	7,243.52	69.74	70.52	-102.07	-2,052.52	-861.75	830.25	696.61	133.65	6.212		
9,200.00	7,070.28	9,511.83	7,244.33	72.18	72.88	-102.08	-2,053.71	-961.73	832.03	693.59	138.44	6.010		
9,300.00	7,070.63	9,611.82	7,245.14	74.65	75.28	-102.09	-2,054.90	-1,061.70	833.80	690.51	143.29	5.819		
9,400.00	7,070.97	9,711.80	7,245.95	77.15	77.71	-102.09	-2,056.09	-1,161.68	835.58	687.38	148.20	5.638		
9,500.00	7,071.32	9,811.78	7,246.76	79.67	80.17	-102.10	-2,057.28	-1,261.65	837.35	684.20	153.15	5.468		
9,600.00	7,071.66	9,911.77	7,247.56	82.22	82.65	-102.11	-2,058.47	-1,361.62	839.13	680.98	158.15	5.306		
9,700.00	7,072.00	10,011.75	7,248.37	84.78	85.17	-102.11	-2,059.66	-1,461.60	840.90	677.72	163.18	5.153		
9,800.00	7,072.35	10,111.74	7,249.18	87.37	87.70	-102.12	-2,060.86	-1,561.57	842.68	674.43	168.25	5.008		
9,900.00	7,072.69	10,211.72	7,249.99	89.97	90.25	-102.13	-2,062.05	-1,661.54	844.45	671.10	173.36	4.871		
10,000.00	7,073.03	10,311.70	7,250.79	92.59	92.83	-102.13	-2,063.24	-1,761.52	846.23	667.74	178.49	4.741		
10,100.00	7,073.38	10,411.69	7,251.60	95.22	95.41	-102.14	-2,064.43	-1,861.49	848.01	664.35	183.65	4.617		
10,200.00	7,073.72	10,511.67	7,252.41	97.86	98.02	-102.14	-2,065.62	-1,961.47	849.78	660.94	188.84	4.500		
10,300.00	7,074.07	10,611.66	7,253.22	100.52	100.64	-102.15	-2,066.81	-2,061.44	851.56	657.51	194.05	4.388		
10,400.00	7,074.41	10,711.64	7,254.02	103.19	103.27	-102.16	-2,068.00	-2,161.41	853.33	654.05	199.28	4.282		
10,500.00	7,074.75	10,811.63	7,254.83	105.87	105.91	-102.16	-2,069.20	-2,261.39	855.11	650.58	204.53	4.181		
10,600.00	7,075.10	10,911.61	7,255.64	108.55	108.57	-102.17	-2,070.39	-2,361.36	856.88	647.09	209.79	4.084		
10,700.00	7,075.44	11,011.59	7,256.45	111.25	111.23	-102.18	-2,071.58	-2,461.34	858.66	643.58	215.08	3.992		
10,800.00	7,075.78	11,111.58	7,257.26	113.96	113.91	-102.18	-2,072.77	-2,561.31	860.43	640.05	220.38	3.904		
10,900.00	7,076.13	11,211.56	7,258.06	116.67	116.59	-102.19	-2,073.96	-2,661.28	862.21	636.52	225.69	3.820		
11,000.00	7,076.47	11,311.55	7,258.87	119.39	119.28	-102.19	-2,075.15	-2,761.26	863.98	632.96	231.02	3.740		
11,100.00	7,076.81	11,411.53	7,259.68	122.11	121.98	-102.20	-2,076.34	-2,861.23	865.76	629.40	236.36	3.663		
11,200.00	7,077.16	11,511.51	7,260.49	124.85	124.69	-102.21	-2,077.53	-2,961.20	867.53	625.82	241.71	3.589		
11,300.00	7,077.50	11,611.50	7,261.29	127.58	127.40	-102.21	-2,078.73	-3,061.18	869.31	622.24	247.07	3.518		
11,400.00	7,077.85	11,711.48	7,262.10	130.33	130.12	-102.22	-2,079.92	-3,161.15	871.08	618.64	252.44	3.451		
11,500.00	7,078.19	11,811.47	7,262.91	133.08	132.85	-102.22	-2,081.11	-3,261.13	872.86	615.03	257.83	3.385		
11,600.00	7,078.53	11,911.45	7,263.72	135.83	135.58	-102.23	-2,082.30	-3,361.10	874.63	611.42	263.22	3.323		
11,700.00	7,078.88	12,011.44	7,264.52	138.59	138.31	-102.24	-2,083.49	-3,461.07	876.41	607.79	268.62	3.263		
11,800.00	7,079.22	12,111.42	7,265.33	141.35	141.05	-102.24	-2,084.68	-3,561.05	878.18	604.16	274.02	3.205		
11,900.00	7,079.56	12,211.40	7,266.14	144.11	143.80	-102.25	-2,085.87	-3,661.02	879.96	600.52	279.44	3.149		
12,000.00	7,079.91	12,311.39	7,266.95	146.88	146.55	-102.25	-2,087.07	-3,761.00	881.74	596.88	284.86	3.095		
12,100.00	7,080.25	12,411.37	7,267.75	149.66	149.30	-102.26	-2,088.26	-3,860.97	883.51	593.22	290.29	3.044		
12,200.00	7,080.60	12,511.36	7,268.56	152.43	152.06	-102.26	-2,089.45	-3,960.94	885.29	589.57	295.72	2.994		
12,300.00	7,080.94	12,611.34	7,269.37	155.21	154.82	-102.27	-2,090.64	-4,060.92	887.06	585.90	301.16	2.945		
12,400.00	7,081.28	12,711.33	7,270.18	157.99	157.59	-102.28	-2,091.83	-4,160.89	888.84	582.23	306.61	2.899		
12,500.00	7,081.63	12,811.31	7,270.99	160.78	160.35	-102.28	-2,093.02	-4,260.86	890.61	578.56	312.06	2.854		
12,600.00	7,081.97	12,911.29	7,271.79	163.57	163.12	-102.29	-2,094.21	-4,360.84	892.39	574.88	317.51	2.811		
12,700.00	7,082.31	13,011.28	7,272.60	166.36	165.90	-102.29	-2,095.40	-4,460.81	894.16	571.19	322.97	2.769		
12,800.00	7,082.66	13,111.26	7,273.41	169.15	168.67	-102.30	-2,096.60	-4,560.79	895.94	567.50	328.44	2.728		
12,900.00	7,083.00	13,211.25	7,274.22	171.94	171.45	-102.30	-2,097.79	-4,660.76	897.71	563.81	333.91	2.689		
13,000.00	7,083.35	13,311.23	7,275.02	174.74	174.24	-102.31	-2,098.98	-4,760.73	899.49	560.11	339.38	2.650		
13,100.00	7,083.69	13,411.21	7,275.83	177.54	177.02	-102.32	-2,100.17	-4,860.71	901.26	556.41	344.85	2.613		
13,200.00	7,084.03	13,511.20	7,276.64	180.34	179.81	-102.32	-2,101.36	-4,960.68	903.04	552.71	350.33	2.578		
13,300.00	7,084.38	13,555.88	7,277.00	183.14	181.05	-102.32	-2,101.89	-5,005.36	906.50	553.56	352.94	2.568 SF		
13,400.00	7,084.72	13,555.88	7,277.00	185.95	181.05	-102.32	-2,101.89	-5,005.36	919.79	569.66	350.13	2.627		
13,500.00	7,085.06	13,555.88	7,277.00	188.76	181.05	-102.32	-2,101.89	-5,005.36	943.55	599.79	343.76	2.745		
13,600.00	7,085.41	13,555.88	7,277.00	191.56	181.05	-102.32	-2,101.89	-5,005.36	977.02	642.48	334.54	2.920		
13,700.00	7,085.75	13,555.88	7,277.00	194.37	181.05	-102.32	-2,101.89	-5,005.36	1,019.23	695.91	323.32	3.152		
13,800.00	7,086.09	13,555.88	7,277.00	197.18	181.05	-102.32	-2,101.89	-5,005.36	1,069.16	758.25	310.91	3.439		
13,900.00	7,086.44	13,555.88	7,277.00	200.00	181.05	-102.32	-2,101.89	-5,005.36	1,125.78	827.79	297.99	3.778		
14,000.00	7,086.78	13,555.88	7,277.00	202.81	181.05	-102.32	-2,101.89	-5,005.36	1,188.13	903.05	285.07	4.168		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	13,555.88	7,277.00	205.63	181.05	-102.32	-2,101.89	-5,005.36	1,255.35	982.83	272.52	4.606		
14,200.00	7,087.47	13,555.88	7,277.00	208.44	181.05	-102.32	-2,101.89	-5,005.36	1,326.72	1,066.15	260.57	5.092		
14,300.00	7,087.81	13,555.88	7,277.00	211.26	181.05	-102.32	-2,101.89	-5,005.36	1,401.59	1,152.26	249.33	5.621		
14,400.00	7,088.16	13,555.88	7,277.00	214.08	181.05	-102.32	-2,101.89	-5,005.36	1,479.44	1,240.58	238.86	6.194		
14,500.00	7,088.50	13,555.88	7,277.00	216.90	181.05	-102.32	-2,101.89	-5,005.36	1,559.81	1,330.64	229.17	6.806		
14,600.00	7,088.84	13,555.88	7,277.00	219.72	181.05	-102.32	-2,101.89	-5,005.36	1,642.34	1,422.10	220.23	7.457		
14,700.00	7,089.19	13,555.88	7,277.00	222.54	181.05	-102.32	-2,101.89	-5,005.36	1,726.71	1,514.70	212.02	8.144		
14,800.00	7,089.53	13,555.88	7,277.00	225.37	181.05	-102.32	-2,101.89	-5,005.36	1,812.68	1,608.21	204.47	8.865		
14,900.00	7,089.88	13,555.88	7,277.00	228.19	181.05	-102.32	-2,101.89	-5,005.36	1,900.02	1,702.48	197.54	9.618		
15,000.00	7,090.22	13,555.88	7,277.00	231.02	181.05	-102.32	-2,101.89	-5,005.36	1,988.56	1,797.38	191.17	10.402		
15,100.00	7,090.56	13,555.88	7,277.00	233.84	181.05	-102.32	-2,101.89	-5,005.36	2,078.13	1,892.80	185.33	11.213		
15,200.00	7,090.91	13,555.88	7,277.00	236.67	181.05	-102.32	-2,101.89	-5,005.36	2,168.62	1,988.67	179.95	12.051		
15,227.29	7,091.00	13,555.88	7,277.00	237.44	181.05	-102.32	-2,101.89	-5,005.36	2,193.45	2,014.90	178.56	12.284		
15,300.00	7,091.25	13,555.88	7,277.00	239.49	181.05	-101.67	-2,101.89	-5,005.36	2,259.54	2,084.65	174.89	12.920		
15,326.57	7,091.35	13,555.88	7,277.00	240.24	181.05	-101.44	-2,101.89	-5,005.36	2,283.60	2,110.05	173.55	13.158		
15,400.00	7,091.60	13,555.88	7,277.00	242.30	181.05	-101.44	-2,101.89	-5,005.36	2,350.24	2,180.29	169.95	13.829		
15,500.00	7,091.96	13,555.88	7,277.00	245.12	181.05	-101.44	-2,101.89	-5,005.36	2,441.63	2,276.25	165.38	14.763		
15,600.00	7,092.31	13,555.88	7,277.00	247.93	181.05	-101.44	-2,101.89	-5,005.36	2,533.66	2,372.51	161.16	15.722		
15,700.00	7,092.66	13,555.88	7,277.00	250.75	181.05	-101.44	-2,101.89	-5,005.36	2,626.28	2,469.04	157.24	16.702		
15,800.00	7,093.01	13,555.88	7,277.00	253.56	181.05	-101.44	-2,101.89	-5,005.36	2,719.42	2,565.81	153.61	17.703		
15,900.00	7,093.36	13,555.88	7,277.00	256.38	181.05	-101.44	-2,101.89	-5,005.36	2,813.04	2,662.79	150.25	18.723		
16,000.00	7,093.71	13,555.88	7,277.00	259.20	181.05	-101.44	-2,101.89	-5,005.36	2,907.07	2,759.95	147.12	19.760		
16,100.00	7,094.07	13,555.88	7,277.00	262.02	181.05	-101.44	-2,101.89	-5,005.36	3,001.50	2,857.29	144.21	20.813		
16,200.00	7,094.42	13,555.88	7,277.00	264.84	181.05	-101.44	-2,101.89	-5,005.36	3,096.27	2,954.77	141.50	21.881		
16,300.00	7,094.77	13,555.88	7,277.00	267.65	181.05	-101.44	-2,101.89	-5,005.36	3,191.36	3,052.38	138.98	22.963		
16,400.00	7,095.12	13,555.88	7,277.00	270.47	181.05	-101.44	-2,101.89	-5,005.36	3,286.75	3,150.12	136.62	24.057		
16,500.00	7,095.47	13,555.88	7,277.00	273.30	181.05	-101.44	-2,101.89	-5,005.36	3,382.40	3,247.97	134.42	25.162		
16,600.00	7,095.82	13,555.88	7,277.00	276.12	181.05	-101.44	-2,101.89	-5,005.36	3,478.29	3,345.93	132.37	26.278		
16,700.00	7,096.18	13,555.88	7,277.00	278.94	181.05	-101.44	-2,101.89	-5,005.36	3,574.41	3,443.97	130.44	27.403		
16,800.00	7,096.53	13,555.88	7,277.00	281.76	181.05	-101.44	-2,101.89	-5,005.36	3,670.74	3,542.10	128.64	28.536		
16,900.00	7,096.88	13,555.88	7,277.00	284.58	181.05	-101.44	-2,101.89	-5,005.36	3,767.26	3,640.31	126.94	29.677		
17,000.00	7,097.23	13,555.88	7,277.00	287.41	181.05	-101.44	-2,101.89	-5,005.36	3,863.95	3,738.60	125.36	30.824		
17,100.00	7,097.58	13,555.88	7,277.00	290.23	181.05	-101.44	-2,101.89	-5,005.36	3,960.81	3,836.95	123.86	31.977		
17,200.00	7,097.93	13,555.88	7,277.00	293.06	181.05	-101.44	-2,101.89	-5,005.36	4,057.83	3,935.36	122.46	33.136		
17,300.00	7,098.29	13,555.88	7,277.00	295.88	181.05	-101.44	-2,101.89	-5,005.36	4,154.98	4,033.84	121.14	34.299		
17,400.00	7,098.64	13,555.88	7,277.00	298.71	181.05	-101.44	-2,101.89	-5,005.36	4,252.27	4,132.37	119.90	35.465		
17,500.00	7,098.99	13,555.88	7,277.00	301.53	181.05	-101.44	-2,101.89	-5,005.36	4,349.67	4,230.95	118.73	36.635		
17,600.00	7,099.34	13,555.88	7,277.00	304.36	181.05	-101.44	-2,101.89	-5,005.36	4,447.20	4,329.57	117.62	37.808		
17,700.00	7,099.69	13,555.88	7,277.00	307.19	181.05	-101.44	-2,101.89	-5,005.36	4,544.83	4,428.25	116.58	38.983		
17,800.00	7,100.04	13,555.88	7,277.00	310.01	181.05	-101.44	-2,101.89	-5,005.36	4,642.56	4,526.96	115.60	40.160		
17,900.00	7,100.40	13,555.88	7,277.00	312.84	181.05	-101.44	-2,101.89	-5,005.36	4,740.39	4,625.72	114.67	41.339		
18,000.00	7,100.75	13,555.88	7,277.00	315.67	181.05	-101.44	-2,101.89	-5,005.36	4,838.31	4,724.51	113.79	42.518		
18,100.00	7,101.10	13,555.88	7,277.00	318.50	181.05	-101.44	-2,101.89	-5,005.36	4,936.30	4,823.34	112.96	43.698		
18,200.00	7,101.45	13,555.88	7,277.00	321.33	181.05	-101.44	-2,101.89	-5,005.36	5,034.38	4,922.20	112.18	44.878		
18,300.00	7,101.80	13,555.88	7,277.00	324.16	181.05	-101.44	-2,101.89	-5,005.36	5,132.53	5,021.10	111.44	46.058		
18,400.00	7,102.16	13,555.88	7,277.00	326.99	181.05	-101.44	-2,101.89	-5,005.36	5,230.76	5,120.02	110.73	47.238		
18,500.00	7,102.51	13,555.88	7,277.00	329.82	181.05	-101.44	-2,101.89	-5,005.36	5,329.05	5,218.98	110.07	48.417		
18,600.00	7,102.86	13,555.88	7,277.00	332.65	181.05	-101.44	-2,101.89	-5,005.36	5,427.40	5,317.96	109.43	49.595		
18,700.00	7,103.21	13,555.88	7,277.00	335.48	181.05	-101.44	-2,101.89	-5,005.36	5,525.81	5,416.97	108.84	50.772		
18,800.00	7,103.56	13,555.88	7,277.00	338.31	181.05	-101.44	-2,101.89	-5,005.36	5,624.27	5,516.00	108.27	51.948		
18,900.00	7,103.91	13,555.88	7,277.00	341.14	181.05	-101.44	-2,101.89	-5,005.36	5,722.79	5,615.06	107.73	53.122		
18,924.52	7,104.00	13,555.88	7,277.00	341.83	181.05	-101.44	-2,101.89	-5,005.36	5,746.95	5,639.35	107.60	53.409		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-45.17	-0.56	45.18					
100.00	100.00	100.00	100.00	3.28	3.28	-179.29	-45.17	-0.56	45.18	38.61	6.57	6.877		
200.00	200.00	200.00	200.00	3.34	3.34	-179.29	-45.17	-0.56	45.18	38.50	6.67	6.769 CC, ES		
300.00	299.98	298.74	298.73	3.44	3.44	48.04	-46.56	0.44	45.39	38.51	6.89	6.592		
400.00	399.84	397.48	397.33	3.59	3.59	49.02	-50.70	3.41	46.04	38.84	7.20	6.394		
500.00	499.45	496.21	495.69	3.80	3.79	50.58	-57.61	8.36	47.16	39.54	7.61	6.194		
600.00	598.70	594.93	593.68	4.04	4.02	52.65	-67.26	15.28	48.77	40.66	8.11	6.014		
700.00	697.47	693.62	691.18	4.32	4.30	55.11	-79.64	24.17	50.94	42.26	8.68	5.869		
800.00	795.62	792.28	788.07	4.65	4.62	57.82	-94.75	35.00	53.69	44.38	9.31	5.764		
900.00	893.06	890.91	884.23	5.02	4.98	60.67	-112.55	47.77	57.08	47.07	10.01	5.700		
993.00	982.91	982.61	972.91	5.39	5.34	63.35	-131.50	61.36	60.84	50.11	10.73	5.672		
1,000.00	989.65	989.51	979.55	5.42	5.37	63.55	-133.02	62.45	61.15	50.37	10.78	5.671		
1,100.00	1,085.84	1,088.03	1,073.88	5.86	5.80	64.89	-156.12	79.02	66.73	55.11	11.61	5.746		
1,200.00	1,182.03	1,186.30	1,166.93	6.32	6.27	63.88	-181.78	97.43	74.34	61.86	12.48	5.955		
1,300.00	1,278.22	1,285.80	1,260.53	6.79	6.78	62.03	-209.21	117.10	83.15	69.76	13.39	6.211		
1,400.00	1,374.42	1,385.38	1,354.21	7.28	7.30	60.52	-236.65	136.78	92.03	77.71	14.32	6.427		
1,500.00	1,470.61	1,484.96	1,447.88	7.79	7.85	59.28	-264.10	156.47	100.96	85.69	15.27	6.612		
1,600.00	1,566.80	1,584.54	1,541.55	8.30	8.41	58.24	-291.55	176.16	109.93	93.69	16.24	6.771		
1,700.00	1,663.00	1,684.11	1,635.23	8.82	8.97	57.36	-319.00	195.85	118.93	101.71	17.22	6.907		
1,800.00	1,759.19	1,783.69	1,728.90	9.34	9.55	56.60	-346.45	215.54	127.95	109.74	18.21	7.026		
1,900.00	1,855.38	1,883.27	1,822.58	9.87	10.13	55.94	-373.90	235.22	136.99	117.78	19.22	7.129		
2,000.00	1,951.58	1,982.85	1,916.25	10.41	10.72	55.37	-401.35	254.91	146.05	125.82	20.23	7.220		
2,100.00	2,047.77	2,082.43	2,009.92	10.95	11.32	54.86	-428.80	274.60	155.13	133.87	21.25	7.300		
2,200.00	2,143.96	2,182.01	2,103.60	11.49	11.92	54.41	-456.25	294.29	164.21	141.93	22.28	7.370		
2,300.00	2,240.16	2,281.59	2,197.27	12.04	12.52	54.00	-483.70	313.98	173.30	149.99	23.31	7.434		
2,400.00	2,336.35	2,381.17	2,290.95	12.58	13.13	53.64	-511.15	333.67	182.40	158.05	24.35	7.490		
2,500.00	2,432.54	2,480.74	2,384.62	13.13	13.74	53.31	-538.60	353.35	191.51	166.11	25.39	7.541		
2,600.00	2,528.74	2,580.32	2,478.29	13.69	14.35	53.01	-566.05	373.04	200.62	174.18	26.44	7.587		
2,700.00	2,624.93	2,679.90	2,571.97	14.24	14.96	52.73	-593.50	392.73	209.74	182.24	27.49	7.629		
2,800.00	2,721.12	2,779.48	2,665.64	14.80	15.58	52.48	-620.95	412.42	218.86	190.31	28.55	7.667		
2,900.00	2,817.32	2,879.06	2,759.32	15.35	16.20	52.25	-648.40	432.11	227.98	198.38	29.60	7.702		
3,000.00	2,913.51	2,978.64	2,852.99	15.91	16.82	52.04	-675.85	451.79	237.11	206.45	30.66	7.733		
3,100.00	3,009.70	3,078.22	2,946.66	16.47	17.44	51.84	-703.30	471.48	246.24	214.52	31.72	7.762		
3,200.00	3,105.90	3,177.80	3,040.34	17.03	18.06	51.66	-730.75	491.17	255.38	222.59	32.79	7.789		
3,300.00	3,202.09	3,277.37	3,134.01	17.59	18.68	51.49	-758.20	510.86	264.51	230.66	33.85	7.814		
3,400.00	3,298.28	3,376.95	3,227.69	18.15	19.30	51.33	-785.64	530.55	273.65	238.74	34.92	7.837		
3,500.00	3,394.48	3,476.53	3,321.36	18.72	19.93	51.18	-813.09	550.23	282.79	246.81	35.99	7.859		
3,600.00	3,490.67	3,576.11	3,415.03	19.28	20.55	51.04	-840.54	569.92	291.94	254.88	37.06	7.878		
3,700.00	3,586.86	3,675.69	3,508.71	19.84	21.18	50.91	-867.99	589.61	301.08	262.95	38.13	7.897		
3,800.00	3,683.06	3,775.27	3,602.38	20.41	21.80	50.78	-895.44	609.30	310.23	271.03	39.20	7.914		
3,900.00	3,779.25	3,874.85	3,696.06	20.97	22.43	50.67	-922.89	628.99	319.37	279.10	40.27	7.930		
4,000.00	3,875.44	3,974.43	3,789.73	21.54	23.06	50.56	-950.34	648.68	328.52	287.18	41.35	7.946		
4,100.00	3,971.64	4,074.00	3,883.41	22.11	23.69	50.45	-977.79	668.36	337.67	295.25	42.42	7.960		
4,200.00	4,067.83	4,173.58	3,977.08	22.67	24.32	50.35	-1,005.24	688.05	346.82	303.32	43.50	7.973		
4,300.00	4,164.02	4,273.16	4,070.75	23.24	24.94	50.26	-1,032.69	707.74	355.97	311.40	44.57	7.986		
4,400.00	4,260.22	4,372.74	4,164.43	23.81	25.57	50.17	-1,060.14	727.43	365.13	319.47	45.65	7.998		
4,500.00	4,356.41	4,472.32	4,258.10	24.37	26.20	50.09	-1,087.59	747.12	374.28	327.55	46.73	8.009		
4,600.00	4,452.60	4,571.90	4,351.78	24.94	26.83	50.01	-1,115.04	766.80	383.43	335.62	47.81	8.020		
4,700.00	4,548.79	4,671.48	4,445.45	25.51	27.46	49.93	-1,142.49	786.49	392.59	343.70	48.89	8.030		
4,800.00	4,644.99	4,771.06	4,539.12	26.08	28.10	49.86	-1,169.94	806.18	401.74	351.77	49.97	8.040		
4,900.00	4,741.18	4,870.63	4,632.80	26.65	28.73	49.79	-1,197.39	825.87	410.90	359.85	51.05	8.049		
5,000.00	4,837.37	4,970.21	4,726.47	27.21	29.36	49.72	-1,224.84	845.56	420.06	367.92	52.13	8.058		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,069.79	4,820.15	27.78	29.99	49.66	-1,252.29	865.25	429.21	376.00	53.21	8.066		
5,200.00	5,029.76	5,169.37	4,913.82	28.35	30.62	49.60	-1,279.74	884.93	438.37	384.07	54.30	8.074		
5,300.00	5,125.95	5,268.95	5,007.49	28.92	31.25	49.54	-1,307.19	904.62	447.53	392.15	55.38	8.081		
5,400.00	5,222.15	5,368.53	5,101.17	29.49	31.89	49.48	-1,334.63	924.31	456.69	400.23	56.46	8.089		
5,500.00	5,318.34	5,468.11	5,194.84	30.06	32.52	49.43	-1,362.08	944.00	465.85	408.30	57.54	8.095		
5,600.00	5,414.53	5,567.69	5,288.52	30.63	33.15	49.38	-1,389.53	963.69	475.00	416.38	58.63	8.102		
5,700.00	5,510.73	5,667.26	5,382.19	31.20	33.78	49.33	-1,416.98	983.37	484.16	424.45	59.71	8.108		
5,800.00	5,606.92	5,766.84	5,475.86	31.77	34.42	49.28	-1,444.43	1,003.06	493.32	432.53	60.80	8.114		
5,900.00	5,703.11	5,866.42	5,569.54	32.34	35.05	49.23	-1,471.88	1,022.75	502.49	440.60	61.88	8.120		
6,000.00	5,799.31	5,966.00	5,663.21	32.91	35.68	49.19	-1,499.33	1,042.44	511.65	448.68	62.97	8.126		
6,100.00	5,895.50	6,065.58	5,756.89	33.48	36.32	49.14	-1,526.78	1,062.13	520.81	456.76	64.05	8.131		
6,200.00	5,991.69	6,165.16	5,850.56	34.05	36.95	49.10	-1,554.23	1,081.82	529.97	464.83	65.14	8.136		
6,300.00	6,087.89	6,264.74	5,944.23	34.62	37.58	49.06	-1,581.68	1,101.50	539.13	472.91	66.22	8.141		
6,400.00	6,184.08	6,364.32	6,037.91	35.19	38.22	49.02	-1,609.13	1,121.19	548.29	480.98	67.31	8.146		
6,500.00	6,280.27	6,463.89	6,131.58	35.77	38.85	48.98	-1,636.58	1,140.88	557.45	489.06	68.40	8.150		
6,535.30	6,314.23	6,500.95	6,164.65	35.97	39.09	48.97	-1,646.27	1,147.83	560.69	491.90	68.79	8.151		
6,550.00	6,328.40	6,513.68	6,178.42	36.05	39.17	45.64	-1,650.30	1,150.72	562.03	493.09	68.93	8.153		
6,600.00	6,377.01	6,563.36	6,225.15	36.31	39.48	30.48	-1,664.00	1,160.55	566.46	497.06	69.40	8.162		
6,650.00	6,426.00	6,612.65	6,271.52	36.54	39.80	9.15	-1,677.59	1,170.29	570.75	500.99	69.76	8.181		
6,700.00	6,475.08	6,661.25	6,317.23	36.73	40.11	-14.41	-1,690.98	1,179.90	575.01	504.98	70.03	8.210		
6,750.00	6,523.94	6,708.68	6,361.99	36.90	40.40	-33.96	-1,704.09	1,188.52	579.44	509.21	70.23	8.251		
6,800.00	6,572.28	6,756.68	6,407.76	37.05	40.67	-47.67	-1,717.48	1,193.89	584.16	513.74	70.42	8.296		
6,850.00	6,619.81	6,805.75	6,454.81	37.19	40.92	-57.08	-1,731.24	1,195.64	589.15	518.53	70.62	8.343		
6,900.00	6,666.23	6,855.98	6,502.98	37.32	41.13	-63.77	-1,745.30	1,193.53	594.38	523.54	70.84	8.390		
6,950.00	6,711.25	6,907.46	6,552.02	37.46	41.31	-68.76	-1,759.59	1,187.26	599.81	528.72	71.09	8.437		
7,000.00	6,754.60	6,960.27	6,601.66	37.61	41.47	-72.63	-1,774.04	1,176.57	605.39	534.02	71.37	8.482		
7,050.00	6,796.01	7,014.51	6,651.58	37.77	41.61	-75.75	-1,788.55	1,161.17	611.06	539.38	71.68	8.525		
7,100.00	6,835.22	7,070.24	6,701.38	37.94	41.75	-78.33	-1,803.01	1,140.79	616.76	544.74	72.02	8.564		
7,150.00	6,871.99	7,127.54	6,750.60	38.12	41.87	-80.51	-1,817.27	1,115.20	622.41	550.03	72.38	8.599		
7,200.00	6,906.10	7,186.46	6,798.71	38.34	42.00	-82.37	-1,831.18	1,084.20	627.94	555.15	72.79	8.627		
7,250.00	6,937.34	7,247.02	6,845.07	38.57	42.14	-83.97	-1,844.56	1,047.64	633.26	560.03	73.24	8.647		
7,300.00	6,965.51	7,309.24	6,889.02	38.84	42.30	-85.36	-1,857.20	1,005.49	638.29	564.53	73.76	8.654		
7,350.00	6,990.44	7,373.06	6,929.78	39.14	42.48	-86.54	-1,868.90	957.83	642.94	568.55	74.39	8.643		
7,400.00	7,011.97	7,438.43	6,966.58	39.47	42.70	-87.55	-1,879.41	904.86	647.12	571.96	75.16	8.610		
7,450.00	7,029.98	7,505.22	6,998.59	39.85	42.97	-88.38	-1,888.49	846.99	650.74	574.64	76.10	8.551		
7,500.00	7,044.34	7,573.24	7,025.03	40.26	43.29	-89.04	-1,895.94	784.80	653.74	576.47	77.27	8.461		
7,550.00	7,054.99	7,642.30	7,045.22	40.72	43.68	-89.53	-1,901.54	719.03	656.03	577.38	78.65	8.341		
7,600.00	7,061.83	7,712.11	7,058.55	41.21	44.14	-89.84	-1,905.13	650.64	657.57	577.31	80.26	8.193		
7,650.00	7,064.85	7,782.38	7,064.64	41.73	44.67	-89.99	-1,906.59	580.68	658.33	576.27	82.06	8.022		
7,661.89	7,065.00	7,799.12	7,065.00	41.86	44.80	-90.00	-1,906.62	563.94	658.39	575.88	82.51	7.979		
7,700.00	7,065.13	7,837.30	7,065.32	42.28	45.14	-90.02	-1,906.54	525.77	658.51	575.00	83.51	7.886		
7,800.00	7,065.47	7,937.30	7,066.14	43.53	46.13	-90.06	-1,906.33	425.77	658.83	572.55	86.28	7.636		
7,900.00	7,065.82	8,037.30	7,066.97	44.94	47.30	-90.10	-1,906.12	325.78	659.14	569.82	89.33	7.379		
8,000.00	7,066.16	8,137.30	7,067.79	46.50	48.64	-90.14	-1,905.91	225.78	659.46	566.83	92.63	7.119		
8,100.00	7,066.50	8,237.29	7,068.62	48.19	50.13	-90.18	-1,905.70	125.79	659.77	563.62	96.16	6.861		
8,200.00	7,066.85	8,337.29	7,069.45	50.00	51.78	-90.23	-1,905.49	25.79	660.09	560.20	99.89	6.608		
8,300.00	7,067.19	8,437.29	7,070.27	51.91	53.54	-90.27	-1,905.28	-74.20	660.41	556.61	103.80	6.362		
8,400.00	7,067.54	8,537.29	7,071.10	53.92	55.42	-90.31	-1,905.07	-174.20	660.73	552.85	107.87	6.125		
8,500.00	7,067.88	8,637.29	7,071.92	56.01	57.40	-90.35	-1,904.86	-274.19	661.04	548.95	112.09	5.897		
8,600.00	7,068.22	8,737.29	7,072.75	58.16	59.46	-90.39	-1,904.66	-374.19	661.36	544.93	116.44	5.680		
8,700.00	7,068.57	8,837.28	7,073.57	60.38	61.59	-90.43	-1,904.45	-474.18	661.68	540.79	120.89	5.473		
8,800.00	7,068.91	8,937.28	7,074.40	62.65	63.79	-90.48	-1,904.24	-574.18	662.00	536.55	125.45	5.277		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	9,037.28	7,075.23	64.97	66.05	-90.52	-1,904.03	-674.17	662.32	532.21	130.11	5.091		
9,000.00	7,069.60	9,137.28	7,076.05	67.34	68.35	-90.56	-1,903.82	-774.16	662.64	527.80	134.84	4.914		
9,100.00	7,069.94	9,237.28	7,076.88	69.74	70.70	-90.60	-1,903.61	-874.16	662.96	523.31	139.65	4.747		
9,200.00	7,070.28	9,337.28	7,077.70	72.18	73.09	-90.64	-1,903.40	-974.15	663.28	518.76	144.52	4.590		
9,300.00	7,070.63	9,437.27	7,078.53	74.65	75.52	-90.68	-1,903.19	-1,074.15	663.60	514.15	149.45	4.440		
9,400.00	7,070.97	9,537.27	7,079.36	77.15	77.97	-90.72	-1,902.98	-1,174.14	663.92	509.49	154.44	4.299		
9,500.00	7,071.32	9,637.27	7,080.18	79.67	80.46	-90.77	-1,902.77	-1,274.14	664.24	504.77	159.47	4.165		
9,600.00	7,071.66	9,737.27	7,081.01	82.22	82.97	-90.81	-1,902.56	-1,374.13	664.57	500.02	164.55	4.039		
9,700.00	7,072.00	9,837.27	7,081.83	84.78	85.50	-90.85	-1,902.35	-1,474.13	664.89	495.22	169.67	3.919		
9,800.00	7,072.35	9,937.27	7,082.66	87.37	88.06	-90.89	-1,902.15	-1,574.12	665.21	490.39	174.83	3.805		
9,900.00	7,072.69	10,037.26	7,083.48	89.97	90.63	-90.93	-1,901.94	-1,674.12	665.53	485.52	180.02	3.697		
10,000.00	7,073.03	10,137.26	7,084.31	92.59	93.22	-90.97	-1,901.73	-1,774.11	665.86	480.62	185.24	3.595		
10,100.00	7,073.38	10,237.26	7,085.14	95.22	95.83	-91.01	-1,901.52	-1,874.11	666.18	475.70	190.48	3.497		
10,200.00	7,073.72	10,337.26	7,085.96	97.86	98.45	-91.05	-1,901.31	-1,974.10	666.50	470.75	195.76	3.405		
10,300.00	7,074.07	10,437.26	7,086.79	100.52	101.09	-91.09	-1,901.10	-2,074.10	666.83	465.77	201.06	3.317		
10,400.00	7,074.41	10,537.26	7,087.61	103.19	103.74	-91.13	-1,900.89	-2,174.09	667.15	460.78	206.38	3.233		
10,500.00	7,074.75	10,637.25	7,088.44	105.87	106.40	-91.18	-1,900.68	-2,274.09	667.48	455.76	211.72	3.153		
10,600.00	7,075.10	10,737.25	7,089.27	108.55	109.07	-91.22	-1,900.47	-2,374.08	667.80	450.73	217.08	3.076		
10,700.00	7,075.44	10,837.25	7,090.09	111.25	111.75	-91.26	-1,900.26	-2,474.08	668.13	445.68	222.45	3.003		
10,800.00	7,075.78	10,937.25	7,090.92	113.96	114.43	-91.30	-1,900.05	-2,574.07	668.46	440.61	227.85	2.934		
10,900.00	7,076.13	11,037.25	7,091.74	116.67	117.13	-91.34	-1,899.84	-2,674.06	668.78	435.53	233.25	2.867		
11,000.00	7,076.47	11,137.25	7,092.57	119.39	119.84	-91.38	-1,899.64	-2,774.06	669.11	430.43	238.67	2.803		
11,100.00	7,076.81	11,237.24	7,093.40	122.11	122.55	-91.42	-1,899.43	-2,874.05	669.44	425.33	244.11	2.742		
11,200.00	7,077.16	11,337.24	7,094.22	124.85	125.27	-91.46	-1,899.22	-2,974.05	669.76	420.21	249.56	2.684		
11,300.00	7,077.50	11,437.24	7,095.05	127.58	127.99	-91.50	-1,899.01	-3,074.04	670.09	415.08	255.01	2.628		
11,400.00	7,077.85	11,537.24	7,095.87	130.33	130.72	-91.54	-1,898.80	-3,174.04	670.42	409.94	260.48	2.574		
11,500.00	7,078.19	11,637.24	7,096.70	133.08	133.46	-91.58	-1,898.59	-3,274.03	670.75	404.79	265.96	2.522		
11,600.00	7,078.53	11,737.24	7,097.52	135.83	136.20	-91.62	-1,898.38	-3,374.03	671.08	399.63	271.45	2.472		
11,700.00	7,078.88	11,837.23	7,098.35	138.59	138.95	-91.66	-1,898.17	-3,474.02	671.40	394.46	276.95	2.424		
11,800.00	7,079.22	11,937.23	7,099.18	141.35	141.70	-91.70	-1,897.96	-3,574.02	671.73	389.28	282.45	2.378		
11,900.00	7,079.56	12,037.23	7,100.00	144.11	144.45	-91.74	-1,897.75	-3,674.01	672.06	384.10	287.96	2.334		
12,000.00	7,079.91	12,137.23	7,100.83	146.88	147.21	-91.78	-1,897.54	-3,774.01	672.39	378.91	293.48	2.291		
12,100.00	7,080.25	12,237.23	7,101.65	149.66	149.98	-91.82	-1,897.33	-3,874.00	672.72	373.72	299.01	2.250		
12,200.00	7,080.60	12,337.23	7,102.48	152.43	152.74	-91.86	-1,897.13	-3,974.00	673.05	368.51	304.54	2.210		
12,300.00	7,080.94	12,437.22	7,103.31	155.21	155.52	-91.90	-1,896.92	-4,073.99	673.39	363.31	310.08	2.172		
12,400.00	7,081.28	12,537.22	7,104.13	157.99	158.29	-91.94	-1,896.71	-4,173.99	673.72	358.09	315.62	2.135		
12,500.00	7,081.63	12,637.22	7,104.96	160.78	161.07	-91.98	-1,896.50	-4,273.98	674.05	352.87	321.17	2.099		
12,600.00	7,081.97	12,737.22	7,105.78	163.57	163.85	-92.02	-1,896.29	-4,373.97	674.38	347.65	326.73	2.064		
12,700.00	7,082.31	12,837.22	7,106.61	166.36	166.63	-92.06	-1,896.08	-4,473.97	674.71	342.42	332.29	2.031		
12,800.00	7,082.66	12,937.22	7,107.44	169.15	169.41	-92.10	-1,895.87	-4,573.96	675.05	337.19	337.85	1.998		
12,900.00	7,083.00	13,037.21	7,108.26	171.94	172.20	-92.14	-1,895.66	-4,673.96	675.38	331.96	343.42	1.967		
13,000.00	7,083.35	13,137.21	7,109.09	174.74	174.99	-92.18	-1,895.45	-4,773.95	675.71	326.72	348.99	1.936		
13,100.00	7,083.69	13,237.21	7,109.91	177.54	177.78	-92.22	-1,895.24	-4,873.95	676.05	321.47	354.57	1.907		
13,200.00	7,084.03	13,337.21	7,110.74	180.34	180.58	-92.26	-1,895.03	-4,973.94	676.38	316.23	360.15	1.878 SF		
13,300.00	7,084.38	13,368.87	7,111.00	183.14	181.46	-92.28	-1,894.97	-5,005.60	680.16	318.92	361.24	1.883		
13,400.00	7,084.72	13,368.87	7,111.00	185.95	181.46	-92.28	-1,894.97	-5,005.60	697.66	343.37	354.29	1.969		
13,500.00	7,085.06	13,368.87	7,111.00	188.76	181.46	-92.28	-1,894.97	-5,005.60	728.60	386.99	341.61	2.133		
13,600.00	7,085.41	13,368.87	7,111.00	191.56	181.46	-92.28	-1,894.97	-5,005.60	771.35	446.13	325.21	2.372		
13,700.00	7,085.75	13,368.87	7,111.00	194.37	181.46	-92.28	-1,894.97	-5,005.60	824.07	517.01	307.06	2.684		
13,800.00	7,086.09	13,368.87	7,111.00	197.18	181.46	-92.28	-1,894.97	-5,005.60	884.99	596.33	288.67	3.066		
13,900.00	7,086.44	13,368.87	7,111.00	200.00	181.46	-92.28	-1,894.97	-5,005.60	952.54	681.56	270.98	3.515		
14,000.00	7,086.78	13,368.87	7,111.00	202.81	181.46	-92.28	-1,894.97	-5,005.60	1,025.41	770.88	254.53	4.029		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	13,480.77	7,262.00	202.81	171.24	-95.78	-2,992.34	-4,594.46	2,139.62	1,833.26	306.36	6.984		
14,100.00	7,087.13	13,480.77	7,262.00	205.63	171.24	-95.78	-2,992.34	-4,594.46	2,196.68	1,895.81	300.87	7.301		
14,200.00	7,087.47	13,480.77	7,262.00	208.44	171.24	-95.78	-2,992.34	-4,594.46	2,256.72	1,961.41	295.31	7.642		
14,300.00	7,087.81	13,480.77	7,262.00	211.26	171.24	-95.78	-2,992.34	-4,594.46	2,319.52	2,029.77	289.74	8.005		
14,400.00	7,088.16	13,480.77	7,262.00	214.08	171.24	-95.78	-2,992.34	-4,594.46	2,384.86	2,100.64	284.22	8.391		
14,500.00	7,088.50	13,480.77	7,262.00	216.90	171.24	-95.78	-2,992.34	-4,594.46	2,452.54	2,173.77	278.77	8.798		
14,600.00	7,088.84	13,480.77	7,262.00	219.72	171.24	-95.78	-2,992.34	-4,594.46	2,522.37	2,248.94	273.43	9.225		
14,700.00	7,089.19	13,480.77	7,262.00	222.54	171.24	-95.78	-2,992.34	-4,594.46	2,594.18	2,325.96	268.21	9.672		
14,800.00	7,089.53	13,480.77	7,262.00	225.37	171.24	-95.78	-2,992.34	-4,594.46	2,667.80	2,404.66	263.14	10.138		
14,900.00	7,089.88	13,480.77	7,262.00	228.19	171.24	-95.78	-2,992.34	-4,594.46	2,743.09	2,484.86	258.22	10.623		
15,000.00	7,090.22	13,480.77	7,262.00	231.02	171.24	-95.78	-2,992.34	-4,594.46	2,819.92	2,566.45	253.47	11.125		
15,100.00	7,090.56	13,480.77	7,262.00	233.84	171.24	-95.78	-2,992.34	-4,594.46	2,898.16	2,649.27	248.88	11.645		
15,200.00	7,090.91	13,480.77	7,262.00	236.67	171.24	-95.78	-2,992.34	-4,594.46	2,977.70	2,733.24	244.47	12.180		
15,227.29	7,091.00	13,480.77	7,262.00	237.44	171.24	-95.78	-2,992.34	-4,594.46	2,999.62	2,756.33	243.29	12.329		
15,300.00	7,091.25	13,480.77	7,262.00	239.49	171.24	-95.59	-2,992.34	-4,594.46	3,057.91	2,817.74	240.16	12.733		
15,326.57	7,091.35	13,480.77	7,262.00	240.24	171.24	-95.52	-2,992.34	-4,594.46	3,079.09	2,840.07	239.01	12.882		
15,400.00	7,091.60	13,480.77	7,262.00	242.30	171.24	-95.52	-2,992.34	-4,594.46	3,137.85	2,901.97	235.88	13.303		
15,500.00	7,091.96	13,480.77	7,262.00	245.12	171.24	-95.52	-2,992.34	-4,594.46	3,218.84	2,987.08	231.76	13.889		
15,600.00	7,092.31	13,480.77	7,262.00	247.93	171.24	-95.52	-2,992.34	-4,594.46	3,300.87	3,073.07	227.80	14.490		
15,700.00	7,092.66	13,480.77	7,262.00	250.75	171.24	-95.52	-2,992.34	-4,594.46	3,383.87	3,159.87	224.00	15.107		
15,800.00	7,093.01	13,480.77	7,262.00	253.56	171.24	-95.52	-2,992.34	-4,594.46	3,467.76	3,247.40	220.36	15.737		
15,900.00	7,093.36	13,480.77	7,262.00	256.38	171.24	-95.52	-2,992.34	-4,594.46	3,552.49	3,335.62	216.87	16.381		
16,000.00	7,093.71	13,480.77	7,262.00	259.20	171.24	-95.52	-2,992.34	-4,594.46	3,638.00	3,424.47	213.52	17.038		
16,100.00	7,094.07	13,480.77	7,262.00	262.02	171.24	-95.52	-2,992.34	-4,594.46	3,724.22	3,513.91	210.32	17.708		
16,200.00	7,094.42	13,480.77	7,262.00	264.84	171.24	-95.52	-2,992.34	-4,594.46	3,811.12	3,603.87	207.25	18.389		
16,300.00	7,094.77	13,480.77	7,262.00	267.65	171.24	-95.52	-2,992.34	-4,594.46	3,898.65	3,694.34	204.31	19.082		
16,400.00	7,095.12	13,480.77	7,262.00	270.47	171.24	-95.52	-2,992.34	-4,594.46	3,986.77	3,785.27	201.50	19.786		
16,500.00	7,095.47	13,480.77	7,262.00	273.30	171.24	-95.52	-2,992.34	-4,594.46	4,075.43	3,876.63	198.80	20.500		
16,600.00	7,095.82	13,480.77	7,262.00	276.12	171.24	-95.52	-2,992.34	-4,594.46	4,164.61	3,968.38	196.22	21.224		
16,700.00	7,096.18	13,480.77	7,262.00	278.94	171.24	-95.52	-2,992.34	-4,594.46	4,254.27	4,060.51	193.75	21.957		
16,800.00	7,096.53	13,480.77	7,262.00	281.76	171.24	-95.52	-2,992.34	-4,594.46	4,344.38	4,152.99	191.39	22.700		
16,900.00	7,096.88	13,480.77	7,262.00	284.58	171.24	-95.52	-2,992.34	-4,594.46	4,434.91	4,245.79	189.12	23.450		
17,000.00	7,097.23	13,480.77	7,262.00	287.41	171.24	-95.52	-2,992.34	-4,594.46	4,525.84	4,338.90	186.95	24.209		
17,100.00	7,097.58	13,480.77	7,262.00	290.23	171.24	-95.52	-2,992.34	-4,594.46	4,617.15	4,432.29	184.86	24.976		
17,200.00	7,097.93	13,480.77	7,262.00	293.06	171.24	-95.52	-2,992.34	-4,594.46	4,708.81	4,525.94	182.87	25.750		
17,300.00	7,098.29	13,480.77	7,262.00	295.88	171.24	-95.52	-2,992.34	-4,594.46	4,800.80	4,619.85	180.95	26.531		
17,400.00	7,098.64	13,480.77	7,262.00	298.71	171.24	-95.52	-2,992.34	-4,594.46	4,893.11	4,714.00	179.11	27.318		
17,500.00	7,098.99	13,480.77	7,262.00	301.53	171.24	-95.52	-2,992.34	-4,594.46	4,985.72	4,808.36	177.35	28.112		
17,600.00	7,099.34	13,480.77	7,262.00	304.36	171.24	-95.52	-2,992.34	-4,594.46	5,078.60	4,902.94	175.66	28.911		
17,700.00	7,099.69	13,480.77	7,262.00	307.19	171.24	-95.52	-2,992.34	-4,594.46	5,171.75	4,997.71	174.04	29.716		
17,800.00	7,100.04	13,480.77	7,262.00	310.01	171.24	-95.52	-2,992.34	-4,594.46	5,265.15	5,092.67	172.48	30.526		
17,900.00	7,100.40	13,480.77	7,262.00	312.84	171.24	-95.52	-2,992.34	-4,594.46	5,358.79	5,187.81	170.98	31.341		
18,000.00	7,100.75	13,480.77	7,262.00	315.67	171.24	-95.52	-2,992.34	-4,594.46	5,452.66	5,283.11	169.54	32.161		
18,100.00	7,101.10	13,480.77	7,262.00	318.50	171.24	-95.52	-2,992.34	-4,594.46	5,546.74	5,378.58	168.16	32.984		
18,200.00	7,101.45	13,480.77	7,262.00	321.33	171.24	-95.52	-2,992.34	-4,594.46	5,641.02	5,474.19	166.83	33.812		
18,300.00	7,101.80	13,480.77	7,262.00	324.16	171.24	-95.52	-2,992.34	-4,594.46	5,735.50	5,569.94	165.56	34.644		
18,400.00	7,102.16	13,480.77	7,262.00	326.99	171.24	-95.52	-2,992.34	-4,594.46	5,830.16	5,665.83	164.33	35.479		
18,500.00	7,102.51	13,480.77	7,262.00	329.82	171.24	-95.52	-2,992.34	-4,594.46	5,925.00	5,761.85	163.15	36.317		
18,600.00	7,102.86	13,480.77	7,262.00	332.65	171.24	-95.52	-2,992.34	-4,594.46	6,020.00	5,857.99	162.01	37.159		
18,700.00	7,103.21	13,480.77	7,262.00	335.48	171.24	-95.52	-2,992.34	-4,594.46	6,115.16	5,954.25	160.91	38.003		
18,800.00	7,103.56	13,480.77	7,262.00	338.31	171.24	-95.52	-2,992.34	-4,594.46	6,210.48	6,050.62	159.86	38.850		
18,900.00	7,103.91	13,480.77	7,262.00	341.14	171.24	-95.52	-2,992.34	-4,594.46	6,305.94	6,147.10	158.84	39.699		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
18,924.52	7,104.00	13,480.77	7,262.00	341.83	171.24	-95.52	-2,992.34	-4,594.46	6,329.36	6,170.76	158.60	39.908	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.55	-105.28	-0.83	105.29					
100.00	100.00	100.00	100.00	3.28	3.28	-179.55	-105.28	-0.83	105.29	98.72	6.57	16.027		
200.00	200.00	200.00	200.00	3.34	3.34	-179.55	-105.28	-0.83	105.29	98.61	6.67	15.776		
300.00	299.98	299.98	299.98	3.44	3.44	48.18	-105.28	-0.83	104.12	97.23	6.89	15.121		
400.00	399.84	396.85	396.83	3.59	3.59	49.90	-106.75	-0.10	102.17	94.98	7.19	14.211		
500.00	499.45	493.79	493.65	3.80	3.78	52.22	-111.15	2.09	101.05	93.46	7.59	13.321		
566.05	565.05	557.86	557.51	3.95	3.92	54.06	-115.66	4.34	100.83	92.93	7.90	12.770	CC	
600.00	598.70	590.80	590.30	4.04	4.00	55.09	-118.48	5.75	100.89	92.82	8.07	12.507	ES	
700.00	697.47	687.85	686.67	4.32	4.26	58.43	-128.74	10.87	101.83	93.21	8.62	11.813		
800.00	795.62	784.92	782.61	4.65	4.55	62.12	-141.92	17.44	104.01	94.78	9.24	11.260		
900.00	893.06	882.00	878.01	5.02	4.87	66.01	-158.01	25.46	107.58	97.66	9.92	10.847		
993.00	982.91	972.28	966.13	5.39	5.20	69.67	-175.55	34.21	112.21	101.61	10.60	10.583		
1,000.00	989.65	979.08	972.73	5.42	5.23	69.95	-176.97	34.92	112.62	101.96	10.66	10.568		
1,100.00	1,085.84	1,076.19	1,066.73	5.86	5.62	73.03	-198.81	45.81	119.77	108.31	11.46	10.451		
1,200.00	1,182.03	1,173.23	1,159.77	6.32	6.04	74.54	-223.46	58.11	129.14	116.83	12.31	10.492		
1,300.00	1,278.22	1,269.98	1,251.55	6.79	6.49	74.73	-250.83	71.76	140.49	127.30	13.19	10.648		
1,400.00	1,374.42	1,366.22	1,341.77	7.28	6.98	73.89	-280.80	86.71	153.78	139.67	14.10	10.902		
1,500.00	1,470.61	1,461.73	1,430.15	7.79	7.50	72.30	-313.20	102.87	169.07	154.04	15.03	11.249		
1,600.00	1,566.80	1,556.33	1,516.44	8.30	8.04	70.21	-347.87	120.17	186.54	170.58	15.96	11.688		
1,700.00	1,663.00	1,651.55	1,602.08	8.82	8.63	67.85	-385.13	138.75	206.20	189.30	16.90	12.198		
1,800.00	1,759.19	1,749.14	1,689.59	9.34	9.25	65.73	-423.78	158.03	226.57	208.68	17.90	12.661		
1,900.00	1,855.38	1,846.73	1,777.10	9.87	9.89	63.96	-462.43	177.31	247.19	228.29	18.90	13.079		
2,000.00	1,951.58	1,944.32	1,864.61	10.41	10.55	62.46	-501.08	196.59	268.00	248.08	19.91	13.458		
2,100.00	2,047.77	2,041.91	1,952.12	10.95	11.21	61.18	-539.73	215.87	288.96	268.02	20.94	13.800		
2,200.00	2,143.96	2,139.49	2,039.63	11.49	11.88	60.07	-578.38	235.15	310.04	288.07	21.97	14.111		
2,300.00	2,240.16	2,237.08	2,127.14	12.04	12.56	59.11	-617.03	254.43	331.21	308.20	23.01	14.393		
2,400.00	2,336.35	2,334.67	2,214.65	12.58	13.25	58.26	-655.69	273.71	352.47	328.41	24.06	14.651		
2,500.00	2,432.54	2,432.26	2,302.16	13.13	13.94	57.50	-694.34	292.99	373.79	348.68	25.11	14.886		
2,600.00	2,528.74	2,529.85	2,389.67	13.69	14.64	56.83	-732.99	312.26	395.17	369.00	26.17	15.101		
2,700.00	2,624.93	2,627.44	2,477.18	14.24	15.34	56.23	-771.64	331.54	416.59	389.36	27.23	15.298		
2,800.00	2,721.12	2,725.03	2,564.69	14.80	16.05	55.68	-810.29	350.82	438.05	409.75	28.30	15.480		
2,900.00	2,817.32	2,822.62	2,652.20	15.35	16.75	55.19	-848.94	370.10	459.55	430.18	29.37	15.647		
3,000.00	2,913.51	2,920.20	2,739.71	15.91	17.47	54.74	-887.59	389.38	481.08	450.64	30.44	15.803		
3,100.00	3,009.70	3,017.79	2,827.22	16.47	18.18	54.33	-926.25	408.66	502.63	471.11	31.52	15.946		
3,200.00	3,105.90	3,115.38	2,914.73	17.03	18.89	53.95	-964.90	427.94	524.21	491.61	32.60	16.080		
3,300.00	3,202.09	3,212.97	3,002.24	17.59	19.61	53.60	-1,003.55	447.22	545.80	512.12	33.68	16.204		
3,400.00	3,298.28	3,310.56	3,089.74	18.15	20.33	53.28	-1,042.20	466.50	567.42	532.65	34.77	16.321		
3,500.00	3,394.48	3,408.15	3,177.25	18.72	21.05	52.98	-1,080.85	485.78	589.05	553.19	35.85	16.429		
3,600.00	3,490.67	3,505.74	3,264.76	19.28	21.77	52.71	-1,119.50	505.06	610.69	573.75	36.94	16.531		
3,700.00	3,586.86	3,603.33	3,352.27	19.84	22.49	52.45	-1,158.16	524.34	632.35	594.31	38.03	16.626		
3,800.00	3,683.06	3,700.91	3,439.78	20.41	23.22	52.21	-1,196.81	543.62	654.01	614.89	39.13	16.716		
3,900.00	3,779.25	3,798.50	3,527.29	20.97	23.94	51.98	-1,235.46	562.90	675.69	635.47	40.22	16.800		
4,000.00	3,875.44	3,896.09	3,614.80	21.54	24.67	51.77	-1,274.11	582.18	697.38	656.06	41.31	16.880		
4,100.00	3,971.64	4,006.32	3,702.31	22.11	25.49	51.57	-1,312.76	601.45	719.07	676.59	42.49	16.924		
4,200.00	4,067.83	4,091.27	3,789.82	22.67	26.12	51.39	-1,351.41	620.73	740.78	697.27	43.51	17.026		
4,300.00	4,164.02	4,188.86	3,877.33	23.24	26.85	51.21	-1,390.06	640.01	762.49	717.88	44.61	17.094		
4,400.00	4,260.22	4,286.45	3,964.84	23.81	27.58	51.04	-1,428.72	659.29	784.21	738.50	45.71	17.157		
4,500.00	4,356.41	4,384.04	4,052.35	24.37	28.30	50.89	-1,467.37	678.57	805.93	759.12	46.81	17.218		
4,600.00	4,452.60	4,481.62	4,139.86	24.94	29.03	50.74	-1,506.02	697.85	827.66	779.75	47.91	17.276		
4,700.00	4,548.79	4,579.21	4,227.37	25.51	29.76	50.60	-1,544.67	717.13	849.39	800.38	49.01	17.331		
4,800.00	4,644.99	4,676.80	4,314.88	26.08	30.50	50.46	-1,583.32	736.41	871.13	821.01	50.11	17.383		
4,900.00	4,741.18	4,774.39	4,402.39	26.65	31.23	50.33	-1,621.97	755.69	892.87	841.65	51.22	17.433		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.37	4,871.98	4,489.90	27.21	31.96	50.21	-1,660.62	774.97	914.62	862.30	52.32	17.480		
5,100.00	4,933.57	4,969.57	4,577.41	27.78	32.69	50.09	-1,699.28	794.25	936.37	882.94	53.43	17.526		
5,200.00	5,029.76	5,067.16	4,664.92	28.35	33.42	49.98	-1,737.93	813.53	958.12	903.59	54.53	17.569		
5,300.00	5,125.95	5,164.75	4,752.43	28.92	34.15	49.88	-1,776.58	832.81	979.88	924.24	55.64	17.611		
5,400.00	5,222.15	5,262.33	4,839.94	29.49	34.89	49.78	-1,815.23	852.09	1,001.64	944.89	56.75	17.651		
5,500.00	5,318.34	5,359.92	4,927.45	30.06	35.62	49.68	-1,853.88	871.37	1,023.40	965.55	57.85	17.689		
5,600.00	5,414.53	5,457.51	5,014.96	30.63	36.35	49.59	-1,892.53	890.64	1,045.17	986.21	58.96	17.726		
5,700.00	5,510.73	5,555.10	5,102.47	31.20	37.09	49.50	-1,931.19	909.92	1,066.94	1,006.87	60.07	17.761		
5,800.00	5,606.92	5,652.69	5,189.98	31.77	37.82	49.41	-1,969.84	929.20	1,088.71	1,027.53	61.18	17.795		
5,900.00	5,703.11	5,750.28	5,277.49	32.34	38.56	49.33	-2,008.49	948.48	1,110.48	1,048.19	62.29	17.828		
6,000.00	5,799.31	5,847.87	5,364.99	32.91	39.29	49.25	-2,047.14	967.76	1,132.26	1,068.86	63.40	17.859		
6,100.00	5,895.50	5,945.46	5,452.50	33.48	40.02	49.17	-2,085.79	987.04	1,154.03	1,089.52	64.51	17.889		
6,200.00	5,991.69	6,043.04	5,540.01	34.05	40.76	49.10	-2,124.44	1,006.32	1,175.81	1,110.19	65.62	17.918		
6,300.00	6,087.89	6,140.63	5,627.52	34.62	41.49	49.03	-2,163.09	1,025.60	1,197.59	1,130.86	66.73	17.946		
6,400.00	6,184.08	6,238.22	5,715.03	35.19	42.23	48.96	-2,201.75	1,044.88	1,219.37	1,151.53	67.84	17.974		
6,500.00	6,280.27	6,335.81	5,802.54	35.77	42.97	48.90	-2,240.40	1,064.16	1,241.16	1,172.20	68.95	18.000		
6,535.30	6,314.23	6,370.26	5,833.43	35.97	43.22	48.87	-2,254.04	1,070.96	1,248.85	1,179.50	69.35	18.009		
6,550.00	6,328.40	6,384.60	5,846.30	36.05	43.33	45.72	-2,259.72	1,073.80	1,252.04	1,182.54	69.51	18.013		
6,600.00	6,377.01	6,433.28	5,889.94	36.31	43.70	31.31	-2,279.00	1,083.41	1,262.78	1,192.77	70.01	18.037		
6,650.00	6,426.00	6,481.55	5,933.23	36.54	44.06	10.92	-2,298.12	1,092.95	1,273.29	1,202.84	70.45	18.074		
6,700.00	6,475.08	6,529.12	5,975.89	36.73	44.42	-11.52	-2,316.96	1,102.35	1,283.59	1,212.76	70.82	18.123		
6,750.00	6,523.94	6,575.70	6,017.65	36.90	44.77	-29.87	-2,335.41	1,111.55	1,293.70	1,222.56	71.15	18.183		
6,800.00	6,572.28	6,620.99	6,058.27	37.05	45.11	-42.53	-2,353.35	1,120.50	1,303.70	1,232.27	71.43	18.252		
6,850.00	6,619.81	6,664.72	6,097.48	37.19	45.44	-50.99	-2,370.67	1,129.14	1,313.67	1,242.00	71.67	18.329		
6,900.00	6,666.23	6,706.62	6,135.06	37.32	45.76	-56.81	-2,387.26	1,137.42	1,323.72	1,251.83	71.89	18.414		
6,950.00	6,711.25	6,746.44	6,170.76	37.46	46.06	-60.97	-2,403.03	1,145.28	1,333.96	1,261.89	72.08	18.508		
7,000.00	6,754.60	6,783.92	6,204.37	37.61	46.34	-64.04	-2,417.88	1,152.69	1,344.54	1,272.29	72.25	18.610		
7,050.00	6,796.01	6,818.83	6,235.68	37.77	46.61	-66.34	-2,431.70	1,159.58	1,355.58	1,283.17	72.41	18.721		
7,100.00	6,835.22	6,850.96	6,264.49	37.94	46.85	-68.05	-2,444.43	1,165.93	1,367.20	1,294.64	72.56	18.843		
7,150.00	6,871.99	6,880.12	6,290.63	38.12	47.07	-69.28	-2,455.98	1,171.69	1,379.52	1,306.81	72.71	18.974		
7,200.00	6,906.10	6,906.11	6,313.94	38.34	47.27	-70.09	-2,466.27	1,176.83	1,392.64	1,319.78	72.86	19.114		
7,250.00	6,937.34	6,928.79	6,334.28	38.57	47.44	-70.51	-2,475.26	1,181.31	1,406.64	1,333.62	73.02	19.264		
7,300.00	6,965.51	6,948.01	6,351.51	38.84	47.58	-70.56	-2,482.87	1,185.10	1,421.57	1,348.38	73.19	19.422		
7,350.00	6,990.44	6,963.65	6,365.54	39.14	47.70	-70.25	-2,489.06	1,188.19	1,437.45	1,364.06	73.38	19.588		
7,400.00	7,011.97	6,984.43	6,384.20	39.47	47.85	-69.96	-2,497.30	1,192.13	1,454.24	1,380.54	73.70	19.731		
7,450.00	7,029.98	7,013.77	6,410.72	39.85	48.06	-69.84	-2,509.01	1,196.60	1,471.83	1,397.64	74.19	19.839		
7,500.00	7,044.34	7,046.23	6,440.26	40.26	48.28	-69.68	-2,522.04	1,199.99	1,490.14	1,415.39	74.75	19.934		
7,550.00	7,054.99	7,086.28	6,476.86	40.72	48.52	-69.67	-2,538.17	1,201.89	1,509.12	1,433.70	75.42	20.010		
7,600.00	7,061.83	7,154.39	6,539.12	41.21	48.89	-70.65	-2,565.59	1,199.33	1,528.67	1,452.37	76.30	20.034		
7,650.00	7,064.85	7,750.00	6,985.20	41.73	50.20	-87.25	-2,760.51	894.97	1,547.33	1,468.18	79.14	19.552		
7,661.89	7,065.00	8,101.08	7,070.03	41.86	51.37	-90.19	-2,796.13	560.75	1,547.92	1,463.05	84.87	18.239		
7,700.00	7,065.13	8,139.19	7,070.23	42.28	51.58	-90.19	-2,796.02	522.64	1,548.00	1,462.15	85.85	18.031		
7,800.00	7,065.47	8,239.18	7,070.76	43.53	52.20	-90.20	-2,795.73	422.64	1,548.24	1,459.65	88.59	17.477		
7,900.00	7,065.82	8,339.18	7,071.28	44.94	52.96	-90.20	-2,795.43	322.64	1,548.47	1,456.87	91.60	16.904		
8,000.00	7,066.16	8,439.18	7,071.80	46.50	53.87	-90.21	-2,795.14	222.64	1,548.70	1,453.84	94.87	16.325		
8,100.00	7,066.50	8,539.18	7,072.32	48.19	54.95	-90.22	-2,794.85	122.65	1,548.93	1,450.58	98.35	15.749		
8,200.00	7,066.85	8,639.18	7,072.85	50.00	56.21	-90.22	-2,794.56	22.65	1,549.17	1,447.12	102.04	15.181		
8,300.00	7,067.19	8,739.18	7,073.37	51.91	57.62	-90.23	-2,794.26	-77.35	1,549.40	1,443.48	105.91	14.629		
8,400.00	7,067.54	8,839.18	7,073.89	53.92	59.19	-90.24	-2,793.97	-177.35	1,549.63	1,439.68	109.95	14.094		
8,500.00	7,067.88	8,939.18	7,074.42	56.01	60.90	-90.24	-2,793.68	-277.34	1,549.86	1,435.74	114.12	13.581		
8,600.00	7,068.22	9,039.18	7,074.94	58.16	62.72	-90.25	-2,793.38	-377.34	1,550.10	1,431.67	118.43	13.089		
8,700.00	7,068.57	9,139.18	7,075.46	60.38	64.66	-90.26	-2,793.09	-477.34	1,550.33	1,427.48	122.85	12.620		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	9,239.18	7,075.99	62.65	66.68	-90.26	-2,792.80	-577.34	1,550.56	1,423.19	127.37	12.173		
8,900.00	7,069.25	9,339.18	7,076.51	64.97	68.78	-90.27	-2,792.51	-677.34	1,550.79	1,418.80	131.99	11.749		
9,000.00	7,069.60	9,439.18	7,077.03	67.34	70.96	-90.28	-2,792.21	-777.33	1,551.03	1,414.33	136.69	11.347		
9,100.00	7,069.94	9,539.18	7,077.56	69.74	73.19	-90.28	-2,791.92	-877.33	1,551.26	1,409.79	141.47	10.965		
9,200.00	7,070.28	9,639.18	7,078.08	72.18	75.47	-90.29	-2,791.63	-977.33	1,551.49	1,405.18	146.31	10.604		
9,300.00	7,070.63	9,739.18	7,078.60	74.65	77.80	-90.29	-2,791.34	-1,077.33	1,551.72	1,400.51	151.22	10.262		
9,400.00	7,070.97	9,839.18	7,079.12	77.15	80.18	-90.30	-2,791.04	-1,177.32	1,551.96	1,395.78	156.18	9.937		
9,500.00	7,071.32	9,939.18	7,079.65	79.67	82.58	-90.31	-2,790.75	-1,277.32	1,552.19	1,391.00	161.19	9.630		
9,600.00	7,071.66	10,039.18	7,080.17	82.22	85.03	-90.31	-2,790.46	-1,377.32	1,552.42	1,386.18	166.24	9.338		
9,700.00	7,072.00	10,139.18	7,080.69	84.78	87.50	-90.32	-2,790.16	-1,477.32	1,552.66	1,381.31	171.34	9.062		
9,800.00	7,072.35	10,239.18	7,081.22	87.37	89.99	-90.33	-2,789.87	-1,577.32	1,552.89	1,376.41	176.48	8.799		
9,900.00	7,072.69	10,339.18	7,081.74	89.97	92.51	-90.33	-2,789.58	-1,677.31	1,553.12	1,371.47	181.65	8.550		
10,000.00	7,073.03	10,439.18	7,082.26	92.59	95.05	-90.34	-2,789.29	-1,777.31	1,553.35	1,366.50	186.85	8.313		
10,100.00	7,073.38	10,539.18	7,082.79	95.22	97.62	-90.35	-2,788.99	-1,877.31	1,553.59	1,361.50	192.09	8.088		
10,200.00	7,073.72	10,639.17	7,083.31	97.86	100.20	-90.35	-2,788.70	-1,977.31	1,553.82	1,356.47	197.35	7.874		
10,300.00	7,074.07	10,739.17	7,083.83	100.52	102.79	-90.36	-2,788.41	-2,077.30	1,554.05	1,351.42	202.63	7.669		
10,400.00	7,074.41	10,839.17	7,084.36	103.19	105.40	-90.37	-2,788.12	-2,177.30	1,554.29	1,346.35	207.94	7.475		
10,500.00	7,074.75	10,939.17	7,084.88	105.87	108.03	-90.37	-2,787.82	-2,277.30	1,554.52	1,341.25	213.27	7.289		
10,600.00	7,075.10	11,039.17	7,085.40	108.55	110.66	-90.38	-2,787.53	-2,377.30	1,554.75	1,336.13	218.62	7.112		
10,700.00	7,075.44	11,139.17	7,085.92	111.25	113.31	-90.39	-2,787.24	-2,477.30	1,554.98	1,331.00	223.99	6.942		
10,800.00	7,075.78	11,239.17	7,086.45	113.96	115.97	-90.39	-2,786.94	-2,577.29	1,555.22	1,325.85	229.37	6.780		
10,900.00	7,076.13	11,339.17	7,086.97	116.67	118.64	-90.40	-2,786.65	-2,677.29	1,555.45	1,320.68	234.77	6.625		
11,000.00	7,076.47	11,439.17	7,087.49	119.39	121.32	-90.41	-2,786.36	-2,777.29	1,555.68	1,315.50	240.19	6.477		
11,100.00	7,076.81	11,539.17	7,088.02	122.11	124.01	-90.41	-2,786.07	-2,877.29	1,555.92	1,310.30	245.62	6.335		
11,200.00	7,077.16	11,639.17	7,088.54	124.85	126.70	-90.42	-2,785.77	-2,977.28	1,556.15	1,305.09	251.06	6.198		
11,300.00	7,077.50	11,739.17	7,089.06	127.58	129.40	-90.43	-2,785.48	-3,077.28	1,556.38	1,299.87	256.51	6.067		
11,400.00	7,077.85	11,839.17	7,089.59	130.33	132.11	-90.43	-2,785.19	-3,177.28	1,556.62	1,294.64	261.98	5.942		
11,500.00	7,078.19	11,939.17	7,090.11	133.08	134.83	-90.44	-2,784.90	-3,277.28	1,556.85	1,289.40	267.45	5.821		
11,600.00	7,078.53	12,039.17	7,090.63	135.83	137.55	-90.45	-2,784.60	-3,377.28	1,557.08	1,284.14	272.94	5.705		
11,700.00	7,078.88	12,139.17	7,091.16	138.59	140.28	-90.45	-2,784.31	-3,477.27	1,557.31	1,278.88	278.44	5.593		
11,800.00	7,079.22	12,239.17	7,091.68	141.35	143.01	-90.46	-2,784.02	-3,577.27	1,557.55	1,273.61	283.94	5.485		
11,900.00	7,079.56	12,339.17	7,092.20	144.11	145.75	-90.47	-2,783.72	-3,677.27	1,557.78	1,268.33	289.45	5.382		
12,000.00	7,079.91	12,439.17	7,092.72	146.88	148.50	-90.47	-2,783.43	-3,777.27	1,558.01	1,263.04	294.97	5.282		
12,100.00	7,080.25	12,539.17	7,093.25	149.66	151.25	-90.48	-2,783.14	-3,877.26	1,558.25	1,257.75	300.50	5.185		
12,200.00	7,080.60	12,639.17	7,093.77	152.43	154.00	-90.48	-2,782.85	-3,977.26	1,558.48	1,252.44	306.04	5.092		
12,300.00	7,080.94	12,739.17	7,094.29	155.21	156.75	-90.49	-2,782.55	-4,077.26	1,558.71	1,247.13	311.58	5.003		
12,400.00	7,081.28	12,839.17	7,094.82	157.99	159.51	-90.50	-2,782.26	-4,177.26	1,558.95	1,241.82	317.13	4.916		
12,500.00	7,081.63	12,939.16	7,095.34	160.78	162.28	-90.50	-2,781.97	-4,277.26	1,559.18	1,236.50	322.68	4.832		
12,600.00	7,081.97	13,039.16	7,095.86	163.57	165.04	-90.51	-2,781.68	-4,377.25	1,559.41	1,231.17	328.24	4.751		
12,700.00	7,082.31	13,139.16	7,096.39	166.36	167.82	-90.52	-2,781.38	-4,477.25	1,559.65	1,225.84	333.81	4.672		
12,800.00	7,082.66	13,239.16	7,096.91	169.15	170.59	-90.52	-2,781.09	-4,577.25	1,559.88	1,220.50	339.38	4.596		
12,900.00	7,083.00	13,256.62	7,097.00	171.94	171.07	-90.53	-2,781.04	-4,594.70	1,562.30	1,220.66	341.64	4.573 SF		
13,000.00	7,083.35	13,256.62	7,097.00	174.74	171.07	-90.53	-2,781.04	-4,594.70	1,570.99	1,228.99	342.00	4.594		
13,100.00	7,083.69	13,256.62	7,097.00	177.54	171.07	-90.53	-2,781.04	-4,594.70	1,585.95	1,244.86	341.09	4.650		
13,200.00	7,084.03	13,256.62	7,097.00	180.34	171.07	-90.53	-2,781.04	-4,594.70	1,607.01	1,268.02	338.99	4.741		
13,300.00	7,084.38	13,256.62	7,097.00	183.14	171.07	-90.53	-2,781.04	-4,594.70	1,633.93	1,298.10	335.83	4.865		
13,400.00	7,084.72	13,256.62	7,097.00	185.95	171.07	-90.53	-2,781.04	-4,594.70	1,666.42	1,334.69	331.73	5.023		
13,500.00	7,085.06	13,256.62	7,097.00	188.76	171.07	-90.53	-2,781.04	-4,594.70	1,704.17	1,377.31	326.86	5.214		
13,600.00	7,085.41	13,256.62	7,097.00	191.56	171.07	-90.53	-2,781.04	-4,594.70	1,746.83	1,425.46	321.37	5.436		
13,700.00	7,085.75	13,256.62	7,097.00	194.37	171.07	-90.53	-2,781.04	-4,594.70	1,794.06	1,478.65	315.41	5.688		
13,800.00	7,086.09	13,256.62	7,097.00	197.18	171.07	-90.53	-2,781.04	-4,594.70	1,845.51	1,536.39	309.12	5.970		
13,900.00	7,086.44	13,256.62	7,097.00	200.00	171.07	-90.53	-2,781.04	-4,594.70	1,900.83	1,598.20	302.62	6.281		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	13,256.62	7,097.00	202.81	171.07	-90.53	-2,781.04	-4,594.70	1,959.69	1,663.67	296.02	6.620		
14,100.00	7,087.13	13,256.62	7,097.00	205.63	171.07	-90.53	-2,781.04	-4,594.70	2,021.79	1,732.39	289.40	6.986		
14,200.00	7,087.47	13,256.62	7,097.00	208.44	171.07	-90.53	-2,781.04	-4,594.70	2,086.83	1,803.99	282.83	7.378		
14,300.00	7,087.81	13,256.62	7,097.00	211.26	171.07	-90.53	-2,781.04	-4,594.70	2,154.55	1,878.17	276.38	7.796		
14,400.00	7,088.16	13,256.62	7,097.00	214.08	171.07	-90.53	-2,781.04	-4,594.70	2,224.71	1,954.63	270.07	8.237		
14,500.00	7,088.50	13,256.62	7,097.00	216.90	171.07	-90.53	-2,781.04	-4,594.70	2,297.08	2,033.12	263.95	8.703		
14,600.00	7,088.84	13,256.62	7,097.00	219.72	171.07	-90.53	-2,781.04	-4,594.70	2,371.46	2,113.42	258.04	9.190		
14,700.00	7,089.19	13,256.62	7,097.00	222.54	171.07	-90.53	-2,781.04	-4,594.70	2,447.66	2,195.32	252.34	9.700		
14,800.00	7,089.53	13,256.62	7,097.00	225.37	171.07	-90.53	-2,781.04	-4,594.70	2,525.53	2,278.65	246.87	10.230		
14,900.00	7,089.88	13,256.62	7,097.00	228.19	171.07	-90.53	-2,781.04	-4,594.70	2,604.90	2,363.27	241.63	10.780		
15,000.00	7,090.22	13,256.62	7,097.00	231.02	171.07	-90.53	-2,781.04	-4,594.70	2,685.66	2,449.03	236.62	11.350		
15,100.00	7,090.56	13,256.62	7,097.00	233.84	171.07	-90.53	-2,781.04	-4,594.70	2,767.67	2,535.83	231.84	11.938		
15,200.00	7,090.91	13,256.62	7,097.00	236.67	171.07	-90.53	-2,781.04	-4,594.70	2,850.83	2,623.55	227.28	12.543		
15,227.29	7,091.00	13,256.62	7,097.00	237.44	171.07	-90.53	-2,781.04	-4,594.70	2,873.71	2,647.64	226.07	12.711		
15,300.00	7,091.25	13,256.62	7,097.00	239.49	171.07	-90.51	-2,781.04	-4,594.70	2,934.54	2,711.67	222.87	13.167		
15,326.57	7,091.35	13,256.62	7,097.00	240.24	171.07	-90.50	-2,781.04	-4,594.70	2,956.66	2,734.96	221.70	13.337		
15,400.00	7,091.60	13,256.62	7,097.00	242.30	171.07	-90.50	-2,781.04	-4,594.70	3,017.96	2,799.46	218.50	13.812		
15,500.00	7,091.96	13,256.62	7,097.00	245.12	171.07	-90.50	-2,781.04	-4,594.70	3,102.29	2,887.96	214.33	14.474		
15,600.00	7,092.31	13,256.62	7,097.00	247.93	171.07	-90.50	-2,781.04	-4,594.70	3,187.53	2,977.17	210.36	15.153		
15,700.00	7,092.66	13,256.62	7,097.00	250.75	171.07	-90.50	-2,781.04	-4,594.70	3,273.61	3,067.03	206.57	15.847		
15,800.00	7,093.01	13,256.62	7,097.00	253.56	171.07	-90.50	-2,781.04	-4,594.70	3,360.45	3,157.48	202.97	16.556		
15,900.00	7,093.36	13,256.62	7,097.00	256.38	171.07	-90.50	-2,781.04	-4,594.70	3,448.01	3,248.47	199.54	17.280		
16,000.00	7,093.71	13,256.62	7,097.00	259.20	171.07	-90.50	-2,781.04	-4,594.70	3,536.23	3,339.96	196.27	18.017		
16,100.00	7,094.07	13,256.62	7,097.00	262.02	171.07	-90.50	-2,781.04	-4,594.70	3,625.06	3,431.90	193.15	18.768		
16,200.00	7,094.42	13,256.62	7,097.00	264.84	171.07	-90.50	-2,781.04	-4,594.70	3,714.45	3,524.26	190.19	19.530		
16,300.00	7,094.77	13,256.62	7,097.00	267.65	171.07	-90.50	-2,781.04	-4,594.70	3,804.38	3,617.01	187.36	20.305		
16,400.00	7,095.12	13,256.62	7,097.00	270.47	171.07	-90.50	-2,781.04	-4,594.70	3,894.80	3,710.12	184.67	21.090		
16,500.00	7,095.47	13,256.62	7,097.00	273.30	171.07	-90.50	-2,781.04	-4,594.70	3,985.67	3,803.56	182.11	21.886		
16,600.00	7,095.82	13,256.62	7,097.00	276.12	171.07	-90.50	-2,781.04	-4,594.70	4,076.97	3,897.31	179.66	22.692		
16,700.00	7,096.18	13,256.62	7,097.00	278.94	171.07	-90.50	-2,781.04	-4,594.70	4,168.67	3,991.34	177.33	23.508		
16,800.00	7,096.53	13,256.62	7,097.00	281.76	171.07	-90.50	-2,781.04	-4,594.70	4,260.75	4,085.64	175.11	24.332		
16,900.00	7,096.88	13,256.62	7,097.00	284.58	171.07	-90.50	-2,781.04	-4,594.70	4,353.17	4,180.19	172.98	25.165		
17,000.00	7,097.23	13,256.62	7,097.00	287.41	171.07	-90.50	-2,781.04	-4,594.70	4,445.92	4,274.97	170.96	26.006		
17,100.00	7,097.58	13,256.62	7,097.00	290.23	171.07	-90.50	-2,781.04	-4,594.70	4,538.98	4,369.96	169.02	26.855		
17,200.00	7,097.93	13,256.62	7,097.00	293.06	171.07	-90.50	-2,781.04	-4,594.70	4,632.33	4,465.16	167.17	27.710		
17,300.00	7,098.29	13,256.62	7,097.00	295.88	171.07	-90.50	-2,781.04	-4,594.70	4,725.95	4,560.55	165.41	28.572		
17,400.00	7,098.64	13,256.62	7,097.00	298.71	171.07	-90.50	-2,781.04	-4,594.70	4,819.83	4,656.11	163.72	29.440		
17,500.00	7,098.99	13,256.62	7,097.00	301.53	171.07	-90.50	-2,781.04	-4,594.70	4,913.95	4,751.85	162.10	30.314		
17,600.00	7,099.34	13,256.62	7,097.00	304.36	171.07	-90.50	-2,781.04	-4,594.70	5,008.30	4,847.74	160.56	31.194		
17,700.00	7,099.69	13,256.62	7,097.00	307.19	171.07	-90.50	-2,781.04	-4,594.70	5,102.86	4,943.78	159.08	32.078		
17,800.00	7,100.04	13,256.62	7,097.00	310.01	171.07	-90.50	-2,781.04	-4,594.70	5,197.63	5,039.96	157.66	32.967		
17,900.00	7,100.40	13,256.62	7,097.00	312.84	171.07	-90.50	-2,781.04	-4,594.70	5,292.58	5,136.28	156.30	33.861		
18,000.00	7,100.75	13,256.62	7,097.00	315.67	171.07	-90.50	-2,781.04	-4,594.70	5,387.72	5,232.72	155.00	34.758		
18,100.00	7,101.10	13,256.62	7,097.00	318.50	171.07	-90.50	-2,781.04	-4,594.70	5,483.04	5,329.28	153.76	35.660		
18,200.00	7,101.45	13,256.62	7,097.00	321.33	171.07	-90.50	-2,781.04	-4,594.70	5,578.52	5,425.95	152.57	36.565		
18,300.00	7,101.80	13,256.62	7,097.00	324.16	171.07	-90.50	-2,781.04	-4,594.70	5,674.15	5,522.73	151.42	37.473		
18,400.00	7,102.16	13,256.62	7,097.00	326.99	171.07	-90.50	-2,781.04	-4,594.70	5,769.93	5,619.61	150.32	38.384		
18,500.00	7,102.51	13,256.62	7,097.00	329.82	171.07	-90.50	-2,781.04	-4,594.70	5,865.85	5,716.59	149.27	39.298		
18,600.00	7,102.86	13,256.62	7,097.00	332.65	171.07	-90.50	-2,781.04	-4,594.70	5,961.91	5,813.66	148.25	40.214		
18,700.00	7,103.21	13,256.62	7,097.00	335.48	171.07	-90.50	-2,781.04	-4,594.70	6,058.10	5,910.81	147.28	41.132		
18,800.00	7,103.56	13,256.62	7,097.00	338.31	171.07	-90.50	-2,781.04	-4,594.70	6,154.40	6,008.05	146.35	42.053		
18,900.00	7,103.91	13,256.62	7,097.00	341.14	171.07	-90.50	-2,781.04	-4,594.70	6,250.82	6,105.37	145.45	42.975		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
18,924.52	7,104.00	13,256.62	7,097.00	341.83	171.07	-90.50	-2,781.04	-4,594.70	6,274.48	6,129.24	145.24	43.202	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.47	134.79	1.11	134.79					
100.00	100.00	100.00	100.00	3.28	3.28	0.47	134.79	1.11	134.79	128.22	6.57	20.518		
200.00	200.00	200.00	200.00	3.34	3.34	0.47	134.79	1.11	134.79	128.12	6.67	20.197 CC, ES		
300.00	299.98	298.02	298.00	3.44	3.44	-132.39	135.48	2.64	136.69	129.81	6.88	19.857		
400.00	399.84	395.83	395.68	3.59	3.60	-132.00	137.56	7.20	142.39	135.20	7.19	19.791		
500.00	499.45	493.21	492.70	3.80	3.80	-131.40	140.99	14.76	151.88	144.28	7.60	19.984		
600.00	598.70	589.96	588.76	4.04	4.03	-130.67	145.75	25.24	165.14	157.05	8.09	20.418		
700.00	697.47	685.89	683.56	4.32	4.30	-129.86	151.80	38.54	182.13	173.49	8.65	21.064		
800.00	795.62	780.80	776.83	4.65	4.60	-129.03	159.06	54.53	202.82	193.55	9.27	21.886		
900.00	893.06	876.39	870.23	5.02	4.93	-128.29	167.48	73.04	226.93	216.98	9.94	22.829		
993.00	982.91	966.11	957.83	5.39	5.26	-128.14	175.50	90.69	251.37	240.76	10.62	23.678		
1,000.00	989.65	972.84	964.40	5.42	5.29	-128.18	176.10	92.02	253.28	242.61	10.67	23.734		
1,100.00	1,085.84	1,069.03	1,058.31	5.86	5.67	-128.67	184.70	110.94	280.55	269.11	11.43	24.537		
1,200.00	1,182.03	1,165.21	1,152.23	6.32	6.07	-129.06	193.30	129.87	307.83	295.60	12.23	25.168		
1,300.00	1,278.22	1,261.40	1,246.14	6.79	6.48	-129.40	201.90	148.79	335.13	322.07	13.06	25.666		
1,400.00	1,374.42	1,357.58	1,340.05	7.28	6.90	-129.68	210.50	167.71	362.43	348.52	13.91	26.060		
1,500.00	1,470.61	1,453.77	1,433.97	7.79	7.32	-129.92	219.10	186.64	389.74	374.96	14.78	26.375		
1,600.00	1,566.80	1,549.96	1,527.88	8.30	7.76	-130.14	227.70	205.56	417.06	401.39	15.66	26.628		
1,700.00	1,663.00	1,646.14	1,621.79	8.82	8.20	-130.32	236.30	224.48	444.38	427.82	16.56	26.831		
1,800.00	1,759.19	1,742.33	1,715.71	9.34	8.65	-130.48	244.90	243.41	471.70	454.23	17.47	26.996		
1,900.00	1,855.38	1,838.51	1,809.62	9.87	9.10	-130.63	253.50	262.33	499.03	480.64	18.39	27.131		
2,000.00	1,951.58	1,934.70	1,903.53	10.41	9.56	-130.76	262.10	281.25	526.36	507.04	19.32	27.241		
2,100.00	2,047.77	2,030.89	1,997.45	10.95	10.02	-130.88	270.70	300.17	553.69	533.44	20.26	27.331		
2,200.00	2,143.96	2,127.07	2,091.36	11.49	10.48	-130.99	279.30	319.10	581.03	559.83	21.20	27.406		
2,300.00	2,240.16	2,223.26	2,185.27	12.04	10.94	-131.08	287.90	338.02	608.37	586.22	22.15	27.467		
2,400.00	2,336.35	2,319.44	2,279.19	12.58	11.41	-131.17	296.50	356.94	635.70	612.60	23.10	27.518		
2,500.00	2,432.54	2,415.63	2,373.10	13.13	11.88	-131.25	305.10	375.87	663.04	638.99	24.06	27.560		
2,600.00	2,528.74	2,511.82	2,467.01	13.69	12.35	-131.33	313.70	394.79	690.38	665.37	25.02	27.595		
2,700.00	2,624.93	2,608.00	2,560.93	14.24	12.82	-131.40	322.30	413.71	717.73	691.74	25.98	27.623		
2,800.00	2,721.12	2,704.19	2,654.84	14.80	13.29	-131.46	330.90	432.64	745.07	718.12	26.95	27.647		
2,900.00	2,817.32	2,800.37	2,748.75	15.35	13.77	-131.52	339.50	451.56	772.41	744.49	27.92	27.666		
3,000.00	2,913.51	2,903.44	2,842.67	15.91	14.28	-131.58	348.10	470.48	799.76	770.83	28.92	27.650		
3,100.00	3,009.70	3,007.25	2,936.58	16.47	14.79	-131.63	356.70	489.41	827.10	797.17	29.94	27.629		
3,200.00	3,105.90	3,088.93	3,030.49	17.03	15.20	-131.68	365.30	508.33	854.45	823.61	30.84	27.705		
3,300.00	3,202.09	3,185.12	3,124.41	17.59	15.68	-131.72	373.90	527.25	881.79	849.97	31.82	27.714		
3,400.00	3,298.28	3,281.31	3,218.32	18.15	16.15	-131.77	382.50	546.18	909.14	876.34	32.80	27.720		
3,500.00	3,394.48	3,377.49	3,312.23	18.72	16.63	-131.81	391.10	565.10	936.49	902.71	33.78	27.725		
3,600.00	3,490.67	3,473.68	3,406.15	19.28	17.11	-131.85	399.70	584.02	963.83	929.07	34.76	27.728		
3,700.00	3,586.86	3,569.86	3,500.06	19.84	17.60	-131.88	408.30	602.95	991.18	955.44	35.74	27.731		
3,800.00	3,683.06	3,666.05	3,593.97	20.41	18.08	-131.92	416.90	621.87	1,018.53	981.80	36.73	27.732		
3,900.00	3,779.25	3,762.24	3,687.89	20.97	18.56	-131.95	425.50	640.79	1,045.88	1,008.16	37.71	27.733		
4,000.00	3,875.44	3,858.42	3,781.80	21.54	19.04	-131.98	434.10	659.72	1,073.23	1,034.53	38.70	27.732		
4,100.00	3,971.64	3,954.61	3,875.71	22.11	19.52	-132.01	442.70	678.64	1,100.57	1,060.89	39.69	27.732		
4,200.00	4,067.83	4,050.79	3,969.63	22.67	20.01	-132.04	451.30	697.56	1,127.92	1,087.25	40.67	27.730		
4,300.00	4,164.02	4,146.98	4,063.54	23.24	20.49	-132.06	459.90	716.48	1,155.27	1,113.61	41.66	27.729		
4,400.00	4,260.22	4,243.17	4,157.45	23.81	20.97	-132.09	468.50	735.41	1,182.62	1,139.97	42.65	27.726		
4,500.00	4,356.41	4,339.35	4,251.37	24.37	21.46	-132.11	477.10	754.33	1,209.97	1,166.33	43.64	27.724		
4,600.00	4,452.60	4,435.54	4,345.28	24.94	21.94	-132.13	485.70	773.25	1,237.32	1,192.69	44.63	27.721		
4,700.00	4,548.79	4,531.72	4,439.19	25.51	22.43	-132.16	494.30	792.18	1,264.67	1,219.05	45.63	27.718		
4,800.00	4,644.99	4,627.91	4,533.11	26.08	22.91	-132.18	502.90	811.10	1,292.02	1,245.40	46.62	27.715		
4,900.00	4,741.18	4,724.10	4,627.02	26.65	23.40	-132.20	511.50	830.02	1,319.37	1,271.76	47.61	27.712		
5,000.00	4,837.37	4,820.28	4,720.93	27.21	23.88	-132.22	520.10	848.95	1,346.72	1,298.12	48.60	27.708		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,916.47	4,814.85	27.78	24.37	-132.24	528.70	867.87	1,374.07	1,324.48	49.60	27.704		
5,200.00	5,029.76	5,012.65	4,908.76	28.35	24.85	-132.25	537.30	886.79	1,401.43	1,350.83	50.59	27.701		
5,300.00	5,125.95	5,108.84	5,002.67	28.92	25.34	-132.27	545.90	905.72	1,428.78	1,377.19	51.59	27.697		
5,400.00	5,222.15	5,205.03	5,096.59	29.49	25.83	-132.29	554.50	924.64	1,456.13	1,403.55	52.58	27.693		
5,500.00	5,318.34	5,301.21	5,190.50	30.06	26.31	-132.30	563.10	943.56	1,483.48	1,429.90	53.58	27.689		
5,600.00	5,414.53	5,402.60	5,284.41	30.63	26.83	-132.32	571.70	962.49	1,510.83	1,456.23	54.60	27.672		
5,700.00	5,510.73	5,506.42	5,378.33	31.20	27.35	-132.33	580.30	981.41	1,538.18	1,482.55	55.63	27.649		
5,800.00	5,606.92	5,589.77	5,472.24	31.77	27.77	-132.35	588.90	1,000.33	1,565.53	1,508.97	56.56	27.677		
5,900.00	5,703.11	5,685.96	5,566.15	32.34	28.26	-132.36	597.50	1,019.26	1,592.88	1,535.32	57.56	27.673		
6,000.00	5,799.31	5,782.14	5,660.07	32.91	28.75	-132.37	606.10	1,038.18	1,620.24	1,561.68	58.56	27.669		
6,100.00	5,895.50	5,878.33	5,753.98	33.48	29.23	-132.39	614.70	1,057.10	1,647.59	1,588.03	59.56	27.665		
6,200.00	5,991.69	5,974.51	5,847.89	34.05	29.72	-132.40	623.30	1,076.03	1,674.94	1,614.39	60.55	27.661		
6,300.00	6,087.89	6,070.70	5,941.81	34.62	30.21	-132.41	631.90	1,094.95	1,702.29	1,640.74	61.55	27.657		
6,400.00	6,184.08	6,166.89	6,035.72	35.19	30.70	-132.42	640.50	1,113.87	1,729.64	1,667.09	62.55	27.653		
6,500.00	6,280.27	6,263.07	6,129.63	35.77	31.18	-132.44	649.10	1,132.80	1,756.99	1,693.45	63.55	27.649		
6,535.30	6,314.23	6,302.97	6,162.79	35.97	31.39	-132.44	652.13	1,139.48	1,766.65	1,702.72	63.93	27.634		
6,550.00	6,328.40	6,311.16	6,176.59	36.05	31.43	-136.24	653.40	1,142.26	1,770.67	1,706.63	64.05	27.647		
6,600.00	6,377.01	6,359.14	6,223.43	36.31	31.67	-152.65	657.69	1,151.70	1,784.39	1,719.86	64.53	27.653		
6,650.00	6,426.00	6,406.73	6,269.89	36.54	31.91	-174.72	661.94	1,161.06	1,798.11	1,733.12	64.99	27.668		
6,700.00	6,475.08	6,453.62	6,315.68	36.73	32.15	161.47	666.13	1,170.28	1,811.79	1,746.36	65.43	27.690		
6,750.00	6,523.94	6,500.46	6,360.51	36.90	32.39	142.01	670.24	1,179.32	1,825.41	1,759.55	65.86	27.715		
6,800.00	6,572.28	6,544.20	6,404.12	37.05	32.61	128.49	674.23	1,188.10	1,838.97	1,772.69	66.28	27.745		
6,850.00	6,619.81	6,587.32	6,446.22	37.19	32.83	119.36	678.09	1,196.59	1,852.50	1,785.80	66.70	27.774		
6,900.00	6,666.23	6,628.66	6,486.58	37.32	33.04	113.00	681.78	1,204.72	1,866.02	1,798.89	67.12	27.801		
6,950.00	6,711.25	6,673.17	6,530.32	37.46	33.25	108.43	685.79	1,211.93	1,879.52	1,811.94	67.58	27.811		
7,000.00	6,754.60	6,719.73	6,576.47	37.61	33.45	105.01	690.02	1,216.17	1,892.93	1,824.86	68.07	27.810		
7,050.00	6,796.01	6,768.71	6,625.23	37.77	33.65	102.38	694.49	1,216.96	1,906.16	1,837.58	68.58	27.796		
7,100.00	6,835.22	6,820.58	6,676.77	37.94	33.84	100.33	699.22	1,213.69	1,919.14	1,850.02	69.12	27.765		
7,150.00	6,871.99	6,875.89	6,731.23	38.12	34.04	98.73	704.22	1,205.57	1,931.77	1,862.06	69.71	27.711		
7,200.00	6,906.10	6,935.30	6,788.71	38.34	34.25	97.49	709.50	1,191.61	1,943.96	1,873.61	70.35	27.633		
7,250.00	6,937.34	6,999.57	6,849.14	38.57	34.50	96.55	715.05	1,170.52	1,955.59	1,884.55	71.05	27.526		
7,300.00	6,965.51	7,069.55	6,912.16	38.84	34.80	95.88	720.85	1,140.73	1,966.53	1,894.72	71.80	27.388		
7,350.00	6,990.44	7,146.16	6,976.95	39.14	35.15	95.45	726.81	1,100.38	1,976.61	1,903.98	72.63	27.216		
7,400.00	7,011.97	7,230.24	7,041.95	39.47	35.60	95.21	732.80	1,047.47	1,985.66	1,912.12	73.55	26.999		
7,450.00	7,029.98	7,322.42	7,104.53	39.85	36.18	95.12	738.58	980.15	1,993.48	1,918.89	74.59	26.727		
7,500.00	7,044.34	7,422.77	7,160.88	40.26	36.94	95.13	743.80	897.41	1,999.83	1,924.02	75.80	26.381		
7,550.00	7,054.99	7,530.50	7,206.17	40.72	37.92	95.18	748.01	799.89	2,004.49	1,927.24	77.25	25.947		
7,600.00	7,061.83	7,643.72	7,235.43	41.21	39.13	95.20	750.76	690.71	2,007.28	1,928.33	78.96	25.423		
7,650.00	7,064.85	7,759.47	7,244.98	41.73	40.51	95.14	751.71	575.51	2,008.08	1,927.21	80.86	24.833		
7,661.89	7,065.00	7,767.86	7,245.02	41.86	40.63	95.14	751.72	567.12	2,008.04	1,926.90	81.13	24.750		
7,700.00	7,065.13	7,805.97	7,245.09	42.28	41.12	95.14	751.75	529.01	2,007.86	1,925.74	82.12	24.449		
7,800.00	7,065.47	7,905.97	7,245.27	43.53	42.52	95.14	751.83	429.01	2,007.40	1,922.46	84.94	23.632		
7,900.00	7,065.82	8,005.97	7,245.44	44.94	44.07	95.13	751.90	329.01	2,006.94	1,918.90	88.04	22.795		
8,000.00	7,066.16	8,105.97	7,245.62	46.50	45.74	95.13	751.98	229.01	2,006.48	1,915.09	91.39	21.955		
8,100.00	7,066.50	8,205.97	7,245.80	48.19	47.53	95.13	752.06	129.02	2,006.02	1,911.05	94.97	21.124		
8,200.00	7,066.85	8,305.97	7,245.98	50.00	49.42	95.12	752.14	29.02	2,005.56	1,906.82	98.74	20.312		
8,300.00	7,067.19	8,405.97	7,246.15	51.91	51.40	95.12	752.21	-70.98	2,005.10	1,902.41	102.69	19.525		
8,400.00	7,067.54	8,505.97	7,246.33	53.92	53.46	95.12	752.29	-170.98	2,004.64	1,897.84	106.80	18.770		
8,500.00	7,067.88	8,605.97	7,246.51	56.01	55.59	95.11	752.37	-270.98	2,004.18	1,893.13	111.05	18.047		
8,600.00	7,068.22	8,705.96	7,246.68	58.16	57.79	95.11	752.45	-370.98	2,003.72	1,888.29	115.43	17.359		
8,700.00	7,068.57	8,805.96	7,246.86	60.38	60.04	95.11	752.52	-470.98	2,003.26	1,883.34	119.92	16.706		
8,800.00	7,068.91	8,905.96	7,247.04	62.65	62.34	95.10	752.60	-570.98	2,002.80	1,878.30	124.50	16.086		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	9,005.96	7,247.22	64.97	64.69	95.10	752.68	-670.97	2,002.34	1,873.16	129.18	15.501		
9,000.00	7,069.60	9,105.96	7,247.39	67.34	67.07	95.09	752.76	-770.97	2,001.88	1,867.95	133.93	14.947		
9,100.00	7,069.94	9,205.96	7,247.57	69.74	69.50	95.09	752.83	-870.97	2,001.42	1,862.66	138.76	14.424		
9,200.00	7,070.28	9,305.96	7,247.75	72.18	71.95	95.09	752.91	-970.97	2,000.96	1,857.31	143.65	13.929		
9,300.00	7,070.63	9,405.96	7,247.92	74.65	74.43	95.08	752.99	-1,070.97	2,000.50	1,851.90	148.60	13.463		
9,400.00	7,070.97	9,505.96	7,248.10	77.15	76.94	95.08	753.07	-1,170.97	2,000.04	1,846.44	153.60	13.021		
9,500.00	7,071.32	9,605.95	7,248.28	79.67	79.48	95.08	753.14	-1,270.97	1,999.58	1,840.93	158.65	12.604		
9,600.00	7,071.66	9,705.95	7,248.46	82.22	82.03	95.07	753.22	-1,370.96	1,999.12	1,835.38	163.74	12.209		
9,700.00	7,072.00	9,805.95	7,248.63	84.78	84.61	95.07	753.30	-1,470.96	1,998.66	1,829.79	168.87	11.836		
9,800.00	7,072.35	9,905.95	7,248.81	87.37	87.20	95.07	753.38	-1,570.96	1,998.20	1,824.17	174.03	11.482		
9,900.00	7,072.69	10,005.95	7,248.99	89.97	89.81	95.06	753.45	-1,670.96	1,997.74	1,818.51	179.23	11.146		
10,000.00	7,073.03	10,105.95	7,249.16	92.59	92.43	95.06	753.53	-1,770.96	1,997.28	1,812.82	184.46	10.828		
10,100.00	7,073.38	10,205.95	7,249.34	95.22	95.07	95.05	753.61	-1,870.96	1,996.82	1,807.11	189.71	10.525		
10,200.00	7,073.72	10,305.95	7,249.52	97.86	97.72	95.05	753.69	-1,970.96	1,996.36	1,801.37	194.99	10.238		
10,300.00	7,074.07	10,405.95	7,249.70	100.52	100.38	95.05	753.76	-2,070.96	1,995.90	1,795.60	200.30	9.965		
10,400.00	7,074.41	10,505.94	7,249.87	103.19	103.05	95.04	753.84	-2,170.95	1,995.44	1,789.82	205.62	9.704		
10,500.00	7,074.75	10,605.94	7,250.05	105.87	105.73	95.04	753.92	-2,270.95	1,994.98	1,784.01	210.97	9.456		
10,600.00	7,075.10	10,705.94	7,250.23	108.55	108.43	95.04	754.00	-2,370.95	1,994.52	1,778.19	216.33	9.220		
10,700.00	7,075.44	10,805.94	7,250.40	111.25	111.13	95.03	754.07	-2,470.95	1,994.06	1,772.35	221.71	8.994		
10,800.00	7,075.78	10,905.94	7,250.58	113.96	113.83	95.03	754.15	-2,570.95	1,993.60	1,766.50	227.10	8.778		
10,900.00	7,076.13	11,005.94	7,250.76	116.67	116.55	95.03	754.23	-2,670.95	1,993.14	1,760.63	232.51	8.572		
11,000.00	7,076.47	11,105.94	7,250.94	119.39	119.27	95.02	754.31	-2,770.95	1,992.68	1,754.74	237.94	8.375		
11,100.00	7,076.81	11,205.94	7,251.11	122.11	122.00	95.02	754.38	-2,870.94	1,992.22	1,748.84	243.38	8.186		
11,200.00	7,077.16	11,305.93	7,251.29	124.85	124.73	95.01	754.46	-2,970.94	1,991.76	1,742.94	248.82	8.005		
11,300.00	7,077.50	11,405.93	7,251.47	127.58	127.47	95.01	754.54	-3,070.94	1,991.30	1,737.02	254.28	7.831		
11,400.00	7,077.85	11,505.93	7,251.64	130.33	130.21	95.01	754.62	-3,170.94	1,990.84	1,731.09	259.75	7.664		
11,500.00	7,078.19	11,605.93	7,251.82	133.08	132.96	95.00	754.69	-3,270.94	1,990.38	1,725.15	265.23	7.504		
11,600.00	7,078.53	11,705.93	7,252.00	135.83	135.72	95.00	754.77	-3,370.94	1,989.92	1,719.20	270.72	7.350		
11,700.00	7,078.88	11,805.93	7,252.18	138.59	138.48	95.00	754.85	-3,470.94	1,989.46	1,713.24	276.22	7.202		
11,800.00	7,079.22	11,905.93	7,252.35	141.35	141.24	94.99	754.92	-3,570.94	1,989.00	1,707.27	281.73	7.060		
11,900.00	7,079.56	12,005.93	7,252.53	144.11	144.00	94.99	755.00	-3,670.93	1,988.54	1,701.30	287.24	6.923		
12,000.00	7,079.91	12,105.93	7,252.71	146.88	146.77	94.99	755.08	-3,770.93	1,988.08	1,695.32	292.76	6.791		
12,100.00	7,080.25	12,205.92	7,252.89	149.66	149.55	94.98	755.16	-3,870.93	1,987.62	1,689.33	298.29	6.663		
12,200.00	7,080.60	12,305.92	7,253.06	152.43	152.32	94.98	755.23	-3,970.93	1,987.16	1,683.34	303.83	6.540		
12,300.00	7,080.94	12,405.92	7,253.24	155.21	155.10	94.97	755.31	-4,070.93	1,986.70	1,677.34	309.37	6.422		
12,400.00	7,081.28	12,505.92	7,253.42	157.99	157.89	94.97	755.39	-4,170.93	1,986.24	1,671.33	314.91	6.307		
12,500.00	7,081.63	12,605.92	7,253.59	160.78	160.67	94.97	755.47	-4,270.93	1,985.78	1,665.32	320.47	6.197		
12,600.00	7,081.97	12,705.92	7,253.77	163.57	163.46	94.96	755.54	-4,370.92	1,985.32	1,659.30	326.02	6.090		
12,700.00	7,082.31	12,805.92	7,253.95	166.36	166.25	94.96	755.62	-4,470.92	1,984.86	1,653.28	331.59	5.986		
12,800.00	7,082.66	12,905.92	7,254.13	169.15	169.04	94.96	755.70	-4,570.92	1,984.40	1,647.25	337.15	5.886		
12,900.00	7,083.00	13,005.92	7,254.30	171.94	171.84	94.95	755.78	-4,670.92	1,983.94	1,641.22	342.72	5.789		
13,000.00	7,083.35	13,105.91	7,254.48	174.74	174.63	94.95	755.85	-4,770.92	1,983.48	1,635.18	348.30	5.695		
13,100.00	7,083.69	13,205.91	7,254.66	177.54	177.43	94.95	755.93	-4,870.92	1,983.02	1,629.14	353.88	5.604		
13,200.00	7,084.03	13,305.91	7,254.83	180.34	180.23	94.94	756.01	-4,970.92	1,982.56	1,623.10	359.46	5.515		
13,300.00	7,084.38	13,405.91	7,255.01	183.14	183.04	94.94	756.09	-5,070.92	1,982.10	1,617.05	365.05	5.430		
13,400.00	7,084.72	13,505.91	7,255.19	185.95	185.84	94.93	756.16	-5,170.91	1,981.65	1,611.01	370.64	5.347		
13,500.00	7,085.06	13,605.91	7,255.37	188.76	188.65	94.93	756.24	-5,270.91	1,981.19	1,604.95	376.24	5.266		
13,600.00	7,085.41	13,705.91	7,255.54	191.56	191.45	94.93	756.32	-5,370.91	1,980.73	1,598.89	381.84	5.187		
13,700.00	7,085.75	13,805.91	7,255.72	194.37	194.26	94.92	756.40	-5,470.91	1,980.27	1,592.83	387.44	5.111		
13,800.00	7,086.09	13,905.91	7,255.90	197.18	197.07	94.92	756.47	-5,570.91	1,979.81	1,586.76	393.04	5.037		
13,900.00	7,086.44	14,005.90	7,256.07	200.00	199.89	94.92	756.55	-5,670.91	1,979.35	1,580.70	398.65	4.965		
14,000.00	7,086.78	14,105.90	7,256.25	202.81	202.70	94.91	756.63	-5,770.91	1,978.89	1,574.63	404.26	4.895		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	14,205.90	7,256.43	205.63	205.51	94.91	756.71	-5,870.91	1,978.43	1,568.56	409.87	4.827		
14,200.00	7,087.47	14,305.90	7,256.61	208.44	208.33	94.90	756.78	-5,970.90	1,977.97	1,562.48	415.49	4.761		
14,300.00	7,087.81	14,405.90	7,256.78	211.26	211.15	94.90	756.86	-6,070.90	1,977.51	1,556.41	421.10	4.696		
14,400.00	7,088.16	14,505.90	7,256.96	214.08	213.97	94.90	756.94	-6,170.90	1,977.05	1,550.33	426.72	4.633		
14,500.00	7,088.50	14,605.90	7,257.14	216.90	216.79	94.89	757.02	-6,270.90	1,976.59	1,544.24	432.34	4.572		
14,600.00	7,088.84	14,705.90	7,257.31	219.72	219.61	94.89	757.09	-6,370.90	1,976.13	1,538.16	437.97	4.512		
14,700.00	7,089.19	14,805.90	7,257.49	222.54	222.43	94.89	757.17	-6,470.90	1,975.67	1,532.07	443.60	4.454		
14,800.00	7,089.53	14,905.89	7,257.67	225.37	225.25	94.88	757.25	-6,570.90	1,975.21	1,525.99	449.22	4.397		
14,900.00	7,089.88	15,005.89	7,257.85	228.19	228.07	94.88	757.33	-6,670.89	1,974.75	1,519.90	454.85	4.342		
15,000.00	7,090.22	15,105.89	7,258.02	231.02	230.90	94.87	757.40	-6,770.89	1,974.29	1,513.80	460.49	4.287		
15,100.00	7,090.56	15,205.89	7,258.20	233.84	233.72	94.87	757.48	-6,870.89	1,973.83	1,507.71	466.12	4.235		
15,200.00	7,090.91	15,305.89	7,258.38	236.67	236.55	94.87	757.56	-6,970.89	1,973.37	1,501.62	471.76	4.183		
15,227.29	7,091.00	15,333.18	7,258.43	237.44	237.32	94.87	757.58	-6,998.18	1,973.25	1,499.95	473.29	4.169		
15,240.51	7,091.05	15,346.39	7,258.45	237.81	237.69	94.87	757.59	-7,011.40	1,973.22	1,499.18	474.04	4.163		
15,300.00	7,091.25	15,405.88	7,258.55	239.49	239.38	94.87	757.64	-7,070.89	1,973.83	1,496.44	477.39	4.135		
15,326.57	7,091.35	15,432.45	7,258.60	240.24	240.13	94.87	757.66	-7,097.45	1,974.50	1,495.62	478.89	4.123		
15,400.00	7,091.60	15,505.84	7,258.73	242.30	242.20	94.86	757.71	-7,170.84	1,976.70	1,493.68	483.02	4.092		
15,500.00	7,091.96	15,605.80	7,258.91	245.12	245.03	94.85	757.79	-7,270.80	1,979.69	1,491.04	488.65	4.051		
15,600.00	7,092.31	15,705.75	7,259.09	247.93	247.86	94.83	757.87	-7,370.75	1,982.69	1,488.40	494.28	4.011		
15,700.00	7,092.66	15,805.71	7,259.26	250.75	250.69	94.82	757.95	-7,470.71	1,985.68	1,485.76	499.92	3.972		
15,800.00	7,093.01	15,905.66	7,259.44	253.56	253.52	94.81	758.02	-7,570.66	1,988.67	1,483.12	505.55	3.934		
15,900.00	7,093.36	16,005.61	7,259.62	256.38	256.35	94.80	758.10	-7,670.61	1,991.66	1,480.48	511.19	3.896		
16,000.00	7,093.71	16,105.57	7,259.79	259.20	259.18	94.78	758.18	-7,770.57	1,994.66	1,477.83	516.83	3.859		
16,100.00	7,094.07	16,205.52	7,259.97	262.02	262.01	94.77	758.26	-7,870.52	1,997.65	1,475.18	522.47	3.823		
16,200.00	7,094.42	16,305.48	7,260.15	264.84	264.84	94.76	758.33	-7,970.48	2,000.64	1,472.54	528.11	3.788		
16,300.00	7,094.77	16,405.43	7,260.32	267.65	267.67	94.75	758.41	-8,070.43	2,003.64	1,469.89	533.75	3.754		
16,400.00	7,095.12	16,505.39	7,260.50	270.47	270.50	94.74	758.49	-8,170.38	2,006.63	1,467.24	539.39	3.720		
16,500.00	7,095.47	16,605.34	7,260.68	273.30	273.34	94.72	758.57	-8,270.34	2,009.62	1,464.59	545.04	3.687		
16,600.00	7,095.82	16,705.29	7,260.86	276.12	276.17	94.71	758.64	-8,370.29	2,012.62	1,461.93	550.68	3.655		
16,700.00	7,096.18	16,805.25	7,261.03	278.94	279.01	94.70	758.72	-8,470.25	2,015.61	1,459.28	556.33	3.623		
16,800.00	7,096.53	16,905.20	7,261.21	281.76	281.84	94.69	758.80	-8,570.20	2,018.60	1,456.62	561.98	3.592		
16,900.00	7,096.88	17,005.16	7,261.39	284.58	284.68	94.68	758.88	-8,670.15	2,021.60	1,453.97	567.63	3.561		
17,000.00	7,097.23	17,105.11	7,261.56	287.41	287.51	94.66	758.95	-8,770.11	2,024.59	1,451.31	573.28	3.532		
17,100.00	7,097.58	17,205.07	7,261.74	290.23	290.35	94.65	759.03	-8,870.06	2,027.59	1,448.65	578.93	3.502		
17,200.00	7,097.93	17,305.02	7,261.92	293.06	293.19	94.64	759.11	-8,970.02	2,030.58	1,445.99	584.58	3.474		
17,300.00	7,098.29	17,404.97	7,262.10	295.88	296.02	94.63	759.18	-9,069.97	2,033.57	1,443.34	590.24	3.445		
17,400.00	7,098.64	17,504.93	7,262.27	298.71	298.86	94.62	759.26	-9,169.93	2,036.57	1,440.67	595.89	3.418		
17,500.00	7,098.99	17,604.88	7,262.45	301.53	301.70	94.61	759.34	-9,269.88	2,039.56	1,438.01	601.55	3.391		
17,600.00	7,099.34	17,704.84	7,262.63	304.36	304.54	94.59	759.42	-9,369.83	2,042.56	1,435.35	607.21	3.364		
17,700.00	7,099.69	17,804.79	7,262.80	307.19	307.38	94.58	759.49	-9,469.79	2,045.55	1,432.69	612.86	3.338		
17,800.00	7,100.04	17,904.75	7,262.98	310.01	310.22	94.57	759.57	-9,569.74	2,048.55	1,430.02	618.52	3.312		
17,900.00	7,100.40	18,004.70	7,263.16	312.84	313.06	94.56	759.65	-9,669.70	2,051.54	1,427.36	624.18	3.287		
18,000.00	7,100.75	18,104.65	7,263.34	315.67	315.90	94.55	759.73	-9,769.65	2,054.53	1,424.69	629.84	3.262		
18,100.00	7,101.10	18,204.61	7,263.51	318.50	318.74	94.54	759.80	-9,869.60	2,057.53	1,422.03	635.50	3.238		
18,200.00	7,101.45	18,304.56	7,263.69	321.33	321.58	94.52	759.88	-9,969.56	2,060.52	1,419.36	641.16	3.214		
18,300.00	7,101.80	18,404.52	7,263.87	324.16	324.42	94.51	759.96	-10,069.51	2,063.52	1,416.69	646.83	3.190		
18,400.00	7,102.16	18,504.47	7,264.04	326.99	327.26	94.50	760.04	-10,169.47	2,066.51	1,414.03	652.49	3.167		
18,500.00	7,102.51	18,604.43	7,264.22	329.82	330.10	94.49	760.11	-10,269.42	2,069.51	1,411.36	658.15	3.144		
18,600.00	7,102.86	18,704.38	7,264.40	332.65	332.94	94.48	760.19	-10,369.37	2,072.50	1,408.69	663.82	3.122		
18,700.00	7,103.21	18,804.33	7,264.57	335.48	335.78	94.47	760.27	-10,469.33	2,075.50	1,406.02	669.48	3.100		
18,800.00	7,103.56	18,904.29	7,264.75	338.31	338.63	94.46	760.35	-10,569.28	2,078.50	1,403.35	675.15	3.079		
18,900.00	7,103.91	19,004.24	7,264.93	341.14	341.47	94.44	760.42	-10,669.24	2,081.49	1,400.68	680.82	3.057		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	19,028.75	7,264.97	341.83	342.17	94.44	760.44	-10,693.74	2,082.23	1,400.02	682.20	3.052 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	18,846.86	7,071.00	341.83	342.39	88.99	545.52	-10,696.26	1,861.36	1,177.25	684.11	2.721 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
18,924.52	7,104.00	19,014.77	7,257.99	341.83	342.24	101.63	-566.38	-10,692.42	764.84	92.20	672.63	1.137	Level 2, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	8,679.66	6,943.33	64.97	64.17	83.19	-186.82	-677.13	1,062.41	935.15	127.26	8.348		
9,000.00	7,069.60	8,779.66	6,943.59	67.34	66.58	83.18	-187.20	-777.12	1,061.53	929.48	132.04	8.039		
9,100.00	7,069.94	8,879.65	6,943.86	69.74	69.03	83.17	-187.58	-877.12	1,060.64	923.75	136.89	7.748		
9,200.00	7,070.28	8,979.65	6,944.13	72.18	71.52	83.16	-187.95	-977.11	1,059.76	917.95	141.80	7.473		
9,300.00	7,070.63	9,079.64	6,944.39	74.65	74.02	83.15	-188.33	-1,077.11	1,058.87	912.10	146.77	7.214		
9,400.00	7,070.97	9,179.64	6,944.66	77.15	76.56	83.14	-188.70	-1,177.10	1,057.99	906.20	151.79	6.970		
9,500.00	7,071.32	9,279.64	6,944.92	79.67	79.11	83.13	-189.08	-1,277.10	1,057.10	900.25	156.85	6.740		
9,600.00	7,071.66	9,379.63	6,945.19	82.22	81.69	83.12	-189.45	-1,377.09	1,056.22	894.27	161.95	6.522		
9,700.00	7,072.00	9,479.63	6,945.46	84.78	84.28	83.11	-189.83	-1,477.09	1,055.34	888.24	167.10	6.316		
9,800.00	7,072.35	9,579.62	6,945.72	87.37	86.89	83.10	-190.20	-1,577.08	1,054.45	882.18	172.27	6.121		
9,900.00	7,072.69	9,679.62	6,945.99	89.97	89.52	83.09	-190.58	-1,677.08	1,053.57	876.09	177.47	5.936		
10,000.00	7,073.03	9,779.62	6,946.25	92.59	92.16	83.08	-190.95	-1,777.07	1,052.68	869.98	182.71	5.762		
10,100.00	7,073.38	9,879.61	6,946.52	95.22	94.81	83.07	-191.33	-1,877.07	1,051.80	863.83	187.97	5.596		
10,200.00	7,073.72	9,979.61	6,946.79	97.86	97.47	83.06	-191.70	-1,977.06	1,050.92	857.67	193.25	5.438		
10,300.00	7,074.07	10,079.60	6,947.05	100.52	100.15	83.05	-192.08	-2,077.06	1,050.03	851.48	198.56	5.288		
10,400.00	7,074.41	10,179.60	6,947.32	103.19	102.83	83.04	-192.45	-2,177.05	1,049.15	845.27	203.88	5.146		
10,500.00	7,074.75	10,279.60	6,947.58	105.87	105.53	83.03	-192.83	-2,277.05	1,048.27	839.04	209.22	5.010		
10,600.00	7,075.10	10,379.59	6,947.85	108.55	108.23	83.02	-193.20	-2,377.04	1,047.38	832.80	214.58	4.881		
10,700.00	7,075.44	10,479.59	6,948.12	111.25	110.94	83.01	-193.58	-2,477.04	1,046.50	826.54	219.96	4.758		
10,800.00	7,075.78	10,579.58	6,948.38	113.96	113.66	83.00	-193.96	-2,577.03	1,045.61	820.26	225.35	4.640		
10,900.00	7,076.13	10,679.58	6,948.65	116.67	116.38	82.99	-194.33	-2,677.03	1,044.73	813.98	230.76	4.527		
11,000.00	7,076.47	10,779.58	6,948.91	119.39	119.11	82.98	-194.71	-2,777.02	1,043.85	807.67	236.17	4.420		
11,100.00	7,076.81	10,879.57	6,949.18	122.11	121.85	82.97	-195.08	-2,877.02	1,042.96	801.36	241.60	4.317		
11,200.00	7,077.16	10,979.57	6,949.45	124.85	124.59	82.96	-195.46	-2,977.01	1,042.08	795.04	247.04	4.218		
11,300.00	7,077.50	11,079.56	6,949.71	127.58	127.34	82.95	-195.83	-3,077.01	1,041.20	788.70	252.49	4.124		
11,400.00	7,077.85	11,179.56	6,949.98	130.33	130.09	82.94	-196.21	-3,177.00	1,040.31	782.36	257.95	4.033		
11,500.00	7,078.19	11,279.56	6,950.25	133.08	132.85	82.93	-196.58	-3,277.00	1,039.43	776.01	263.42	3.946		
11,600.00	7,078.53	11,379.55	6,950.51	135.83	135.61	82.92	-196.96	-3,376.99	1,038.55	769.65	268.90	3.862		
11,700.00	7,078.88	11,479.55	6,950.78	138.59	138.37	82.91	-197.33	-3,476.98	1,037.66	763.28	274.38	3.782		
11,800.00	7,079.22	11,579.54	6,951.04	141.35	141.14	82.90	-197.71	-3,576.98	1,036.78	756.90	279.88	3.704		
11,900.00	7,079.56	11,679.54	6,951.31	144.11	143.91	82.89	-198.08	-3,676.97	1,035.90	750.52	285.38	3.630		
12,000.00	7,079.91	11,779.53	6,951.58	146.88	146.69	82.88	-198.46	-3,776.97	1,035.01	744.13	290.88	3.558		
12,100.00	7,080.25	11,879.53	6,951.84	149.66	149.47	82.86	-198.83	-3,876.96	1,034.13	737.74	296.40	3.489		
12,200.00	7,080.60	11,979.53	6,952.11	152.43	152.25	82.85	-199.21	-3,976.96	1,033.25	731.33	301.91	3.422		
12,300.00	7,080.94	12,079.52	6,952.37	155.21	155.03	82.84	-199.58	-4,076.95	1,032.36	724.93	307.44	3.358		
12,400.00	7,081.28	12,179.52	6,952.64	157.99	157.82	82.83	-199.96	-4,176.95	1,031.48	718.51	312.97	3.296		
12,500.00	7,081.63	12,279.51	6,952.91	160.78	160.61	82.82	-200.34	-4,276.94	1,030.60	712.10	318.50	3.236		
12,600.00	7,081.97	12,379.51	6,953.17	163.57	163.40	82.81	-200.71	-4,376.94	1,029.71	705.68	324.04	3.178		
12,700.00	7,082.31	12,479.51	6,953.44	166.36	166.19	82.80	-201.09	-4,476.93	1,028.83	699.25	329.58	3.122		
12,800.00	7,082.66	12,579.50	6,953.70	169.15	168.99	82.79	-201.46	-4,576.93	1,027.95	692.82	335.13	3.067		
12,900.00	7,083.00	12,679.50	6,953.97	171.94	171.79	82.78	-201.84	-4,676.92	1,027.07	686.38	340.68	3.015		
13,000.00	7,083.35	12,779.49	6,954.24	174.74	174.59	82.77	-202.21	-4,776.92	1,026.18	679.95	346.24	2.964		
13,100.00	7,083.69	12,879.49	6,954.50	177.54	177.39	82.76	-202.59	-4,876.91	1,025.30	673.51	351.79	2.914		
13,200.00	7,084.03	12,979.49	6,954.77	180.34	180.19	82.75	-202.96	-4,976.91	1,024.42	667.06	357.36	2.867		
13,300.00	7,084.38	13,079.48	6,955.03	183.14	183.00	82.74	-203.34	-5,076.90	1,023.53	660.61	362.92	2.820		
13,400.00	7,084.72	13,179.48	6,955.30	185.95	185.81	82.73	-203.71	-5,176.90	1,022.65	654.16	368.49	2.775		
13,500.00	7,085.06	13,279.47	6,955.57	188.76	188.62	82.72	-204.09	-5,276.89	1,021.77	647.71	374.06	2.732		
13,600.00	7,085.41	13,379.47	6,955.83	191.56	191.43	82.71	-204.46	-5,376.88	1,020.89	641.25	379.63	2.689		
13,700.00	7,085.75	13,479.47	6,956.10	194.37	194.24	82.70	-204.84	-5,476.88	1,020.00	634.79	385.21	2.648		
13,800.00	7,086.09	13,579.46	6,956.36	197.18	197.05	82.68	-205.21	-5,576.88	1,019.12	628.33	390.79	2.608		
13,900.00	7,086.44	13,679.46	6,956.63	200.00	199.86	82.67	-205.59	-5,676.87	1,018.24	621.87	396.37	2.569		
14,000.00	7,086.78	13,779.45	6,956.90	202.81	202.68	82.66	-205.97	-5,776.87	1,017.36	615.40	401.96	2.531		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	13,879.45	6,957.16	205.63	205.50	82.65	-206.34	-5,876.86	1,016.47	608.93	407.54	2.494		
14,200.00	7,087.47	13,979.45	6,957.43	208.44	208.32	82.64	-206.72	-5,976.86	1,015.59	602.46	413.13	2.458		
14,300.00	7,087.81	14,079.44	6,957.69	211.26	211.13	82.63	-207.09	-6,076.85	1,014.71	595.99	418.72	2.423		
14,400.00	7,088.16	14,179.44	6,957.96	214.08	213.95	82.62	-207.47	-6,176.85	1,013.83	589.51	424.31	2.389		
14,500.00	7,088.50	14,279.43	6,958.23	216.90	216.78	82.61	-207.84	-6,276.84	1,012.94	583.04	429.90	2.356		
14,600.00	7,088.84	14,379.43	6,958.49	219.72	219.60	82.60	-208.22	-6,376.84	1,012.06	576.56	435.50	2.324		
14,700.00	7,089.19	14,479.42	6,958.76	222.54	222.42	82.59	-208.59	-6,476.83	1,011.18	570.08	441.10	2.292		
14,800.00	7,089.53	14,579.42	6,959.02	225.37	225.24	82.58	-208.97	-6,576.83	1,010.30	563.60	446.70	2.262		
14,900.00	7,089.88	14,679.42	6,959.29	228.19	228.07	82.56	-209.34	-6,676.82	1,009.41	557.12	452.30	2.232		
15,000.00	7,090.22	14,779.41	6,959.56	231.02	230.89	82.55	-209.72	-6,776.82	1,008.53	550.64	457.90	2.203		
15,100.00	7,090.56	14,879.41	6,959.82	233.84	233.72	82.54	-210.09	-6,876.81	1,007.65	544.15	463.50	2.174		
15,200.00	7,090.91	14,979.40	6,960.09	236.67	236.55	82.53	-210.47	-6,976.81	1,006.77	537.66	469.10	2.146		
15,227.29	7,091.00	15,006.69	6,960.16	237.44	237.32	82.53	-210.57	-7,004.09	1,006.53	535.89	470.63	2.139		
15,252.77	7,091.09	15,032.17	6,960.23	238.16	238.04	82.53	-210.67	-7,029.57	1,006.41	534.35	472.06	2.132		
15,300.00	7,091.25	15,079.40	6,960.36	239.49	239.38	82.53	-210.84	-7,076.80	1,006.80	532.09	474.71	2.121		
15,326.57	7,091.35	15,105.96	6,960.43	240.24	240.13	82.54	-210.94	-7,103.36	1,007.36	531.15	476.20	2.115		
15,400.00	7,091.60	15,179.37	6,960.62	242.30	242.20	82.55	-211.22	-7,176.77	1,009.23	528.90	480.33	2.101		
15,500.00	7,091.96	15,279.34	6,960.89	245.12	245.03	82.56	-211.59	-7,276.74	1,011.79	525.84	485.95	2.082		
15,600.00	7,092.31	15,379.30	6,961.15	247.93	247.86	82.57	-211.97	-7,376.70	1,014.34	522.77	491.57	2.063		
15,700.00	7,092.66	15,479.27	6,961.42	250.75	250.69	82.59	-212.34	-7,476.67	1,016.90	519.70	497.19	2.045		
15,800.00	7,093.01	15,579.24	6,961.68	253.56	253.52	82.60	-212.72	-7,576.63	1,019.45	516.63	502.82	2.027		
15,900.00	7,093.36	15,679.21	6,961.95	256.38	256.35	82.62	-213.10	-7,676.60	1,022.01	513.56	508.44	2.010		
16,000.00	7,093.71	15,779.17	6,962.22	259.20	259.18	82.63	-213.47	-7,776.57	1,024.56	510.49	514.07	1.993		
16,100.00	7,094.07	15,879.14	6,962.48	262.02	262.02	82.64	-213.85	-7,876.53	1,027.12	507.42	519.70	1.976		
16,200.00	7,094.42	15,979.11	6,962.75	264.84	264.85	82.66	-214.22	-7,976.50	1,029.67	504.34	525.33	1.960		
16,300.00	7,094.77	16,079.07	6,963.01	267.65	267.68	82.67	-214.60	-8,076.46	1,032.23	501.27	530.96	1.944		
16,400.00	7,095.12	16,179.04	6,963.28	270.47	270.52	82.68	-214.97	-8,176.43	1,034.79	498.19	536.60	1.928		
16,500.00	7,095.47	16,279.01	6,963.55	273.30	273.35	82.70	-215.35	-8,276.40	1,037.34	495.11	542.23	1.913		
16,600.00	7,095.82	16,378.98	6,963.81	276.12	276.19	82.71	-215.72	-8,376.36	1,039.90	492.03	547.86	1.898		
16,700.00	7,096.18	16,478.94	6,964.08	278.94	279.02	82.72	-216.10	-8,476.33	1,042.45	488.95	553.50	1.883		
16,800.00	7,096.53	16,578.91	6,964.34	281.76	281.86	82.74	-216.47	-8,576.29	1,045.01	485.87	559.14	1.869		
16,900.00	7,096.88	16,678.88	6,964.61	284.58	284.69	82.75	-216.85	-8,676.26	1,047.56	482.79	564.78	1.855		
17,000.00	7,097.23	16,778.84	6,964.88	287.41	287.53	82.76	-217.22	-8,776.23	1,050.12	479.70	570.42	1.841		
17,100.00	7,097.58	16,878.81	6,965.14	290.23	290.37	82.78	-217.60	-8,876.19	1,052.67	476.62	576.06	1.827		
17,200.00	7,097.93	16,978.78	6,965.41	293.06	293.20	82.79	-217.97	-8,976.16	1,055.23	473.53	581.70	1.814		
17,300.00	7,098.29	17,078.74	6,965.67	295.88	296.04	82.80	-218.35	-9,076.12	1,057.79	470.45	587.34	1.801		
17,400.00	7,098.64	17,178.71	6,965.94	298.71	298.88	82.81	-218.72	-9,176.09	1,060.34	467.36	592.98	1.788		
17,500.00	7,098.99	17,278.68	6,966.21	301.53	301.72	82.83	-219.10	-9,276.06	1,062.90	464.27	598.63	1.776		
17,600.00	7,099.34	17,378.65	6,966.47	304.36	304.56	82.84	-219.47	-9,376.02	1,065.45	461.18	604.27	1.763		
17,700.00	7,099.69	17,478.61	6,966.74	307.19	307.40	82.85	-219.85	-9,475.99	1,068.01	458.09	609.92	1.751		
17,800.00	7,100.04	17,578.58	6,967.00	310.01	310.24	82.86	-220.22	-9,575.95	1,070.57	455.00	615.57	1.739		
17,900.00	7,100.40	17,678.55	6,967.27	312.84	313.08	82.88	-220.60	-9,675.92	1,073.12	451.91	621.22	1.727		
18,000.00	7,100.75	17,778.51	6,967.54	315.67	315.92	82.89	-220.97	-9,775.89	1,075.68	448.81	626.86	1.716		
18,100.00	7,101.10	17,878.48	6,967.80	318.50	318.76	82.90	-221.35	-9,875.85	1,078.24	445.72	632.51	1.705		
18,200.00	7,101.45	17,978.45	6,968.07	321.33	321.60	82.91	-221.72	-9,975.82	1,080.79	442.63	638.16	1.694		
18,300.00	7,101.80	18,078.42	6,968.33	324.16	324.44	82.93	-222.10	-10,075.78	1,083.35	439.53	643.82	1.683		
18,400.00	7,102.16	18,178.38	6,968.60	326.99	327.28	82.94	-222.48	-10,175.75	1,085.90	436.44	649.47	1.672		
18,500.00	7,102.51	18,278.35	6,968.87	329.82	330.12	82.95	-222.85	-10,275.72	1,088.46	433.34	655.12	1.661		
18,600.00	7,102.86	18,378.32	6,969.13	332.65	332.97	82.96	-223.23	-10,375.68	1,091.02	430.24	660.77	1.651		
18,700.00	7,103.21	18,478.28	6,969.40	335.48	335.81	82.97	-223.60	-10,475.65	1,093.57	427.15	666.43	1.641		
18,800.00	7,103.56	18,578.25	6,969.66	338.31	338.65	82.99	-223.98	-10,575.61	1,096.13	424.05	672.08	1.631		
18,900.00	7,103.91	18,678.22	6,969.93	341.14	341.49	83.00	-224.35	-10,675.58	1,098.69	420.95	677.74	1.621		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9A-L - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
18,924.52	7,104.00	18,702.72	6,970.00	341.83	342.19	83.00	-224.44	-10,700.09	1,099.31	420.19	679.12	1.619 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis 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	0.43	74.68	0.56	74.68					
100.00	100.00	100.00	100.00	3.28	3.28	0.43	74.68	0.56	74.68	68.11	6.57	11.368		
200.00	200.00	200.00	200.00	3.34	3.34	0.43	74.68	0.56	74.68	68.01	6.67	11.190 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-133.53	74.68	0.56	75.87	68.99	6.89	11.019		
400.00	399.84	400.22	400.20	3.59	3.60	-134.97	74.51	2.30	79.32	72.13	7.19	11.028		
500.00	499.45	500.46	500.30	3.80	3.80	-135.55	74.01	7.53	84.80	77.21	7.59	11.173		
600.00	598.70	600.62	600.07	4.04	4.04	-135.38	73.17	16.24	92.28	84.21	8.07	11.433		
700.00	697.47	700.63	699.32	4.32	4.31	-134.63	71.99	28.39	101.75	93.12	8.63	11.793		
800.00	795.62	800.40	797.86	4.65	4.62	-133.47	70.49	43.95	113.23	103.97	9.25	12.236		
900.00	893.06	899.89	895.51	5.02	4.96	-132.07	68.67	62.85	126.73	116.79	9.95	12.743		
993.00	982.91	1,007.96	985.33	5.39	5.37	-130.66	66.69	83.33	141.14	130.43	10.71	13.179		
1,000.00	989.65	1,001.06	992.04	5.42	5.35	-130.58	66.54	84.95	142.29	131.58	10.71	13.284		
1,100.00	1,085.84	1,102.47	1,087.86	5.86	5.76	-129.57	64.31	108.06	158.79	147.27	11.53	13.776		
1,200.00	1,182.03	1,203.87	1,183.68	6.32	6.19	-128.75	62.08	131.16	175.33	162.95	12.38	14.157		
1,300.00	1,278.22	1,305.28	1,279.51	6.79	6.64	-128.07	59.85	154.27	191.90	178.63	13.28	14.455		
1,400.00	1,374.42	1,406.68	1,375.33	7.28	7.10	-127.50	57.62	177.37	208.50	194.30	14.19	14.688		
1,500.00	1,470.61	1,491.91	1,471.15	7.79	7.50	-127.02	55.40	200.48	225.10	210.04	15.06	14.947		
1,600.00	1,566.80	1,609.49	1,566.98	8.30	8.06	-126.60	53.17	223.59	241.73	225.63	16.10	15.018		
1,700.00	1,663.00	1,689.10	1,662.80	8.82	8.45	-126.23	50.94	246.69	258.36	241.40	16.96	15.229		
1,800.00	1,759.19	1,787.69	1,758.62	9.34	8.93	-125.91	48.71	269.80	275.00	257.06	17.94	15.331		
1,900.00	1,855.38	1,886.29	1,854.44	9.87	9.41	-125.63	46.48	292.90	291.65	272.73	18.92	15.414		
2,000.00	1,951.58	1,984.88	1,950.27	10.41	9.91	-125.37	44.25	316.01	308.31	288.39	19.91	15.482		
2,100.00	2,047.77	2,083.48	2,046.09	10.95	10.40	-125.15	42.02	339.12	324.97	304.05	20.92	15.537		
2,200.00	2,143.96	2,182.07	2,141.91	11.49	10.90	-124.94	39.79	362.22	341.64	319.71	21.92	15.583		
2,300.00	2,240.16	2,280.67	2,237.73	12.04	11.40	-124.75	37.57	385.33	358.31	335.37	22.94	15.621		
2,400.00	2,336.35	2,379.26	2,333.56	12.58	11.91	-124.58	35.34	408.43	374.98	351.02	23.96	15.653		
2,500.00	2,432.54	2,477.85	2,429.38	13.13	12.41	-124.43	33.11	431.54	391.65	366.68	24.98	15.679		
2,600.00	2,528.74	2,576.45	2,525.20	13.69	12.92	-124.29	30.88	454.65	408.33	382.33	26.01	15.701		
2,700.00	2,624.93	2,675.04	2,621.03	14.24	13.43	-124.15	28.65	477.75	425.01	397.98	27.04	15.719		
2,800.00	2,721.12	2,773.64	2,716.85	14.80	13.94	-124.03	26.42	500.86	441.70	413.62	28.07	15.734		
2,900.00	2,817.32	2,872.23	2,812.67	15.35	14.46	-123.92	24.19	523.96	458.38	429.27	29.11	15.747		
3,000.00	2,913.51	2,970.83	2,908.49	15.91	14.97	-123.82	21.97	547.07	475.07	444.92	30.15	15.757		
3,100.00	3,009.70	3,069.42	3,004.32	16.47	15.49	-123.72	19.74	570.18	491.76	460.57	31.19	15.766		
3,200.00	3,105.90	3,168.02	3,100.14	17.03	16.00	-123.63	17.51	593.28	508.44	476.21	32.23	15.773		
3,300.00	3,202.09	3,266.61	3,195.96	17.59	16.52	-123.54	15.28	616.39	525.13	491.85	33.28	15.779		
3,400.00	3,298.28	3,365.20	3,291.79	18.15	17.04	-123.46	13.05	639.50	541.83	507.50	34.33	15.784		
3,500.00	3,394.48	3,463.80	3,387.61	18.72	17.56	-123.39	10.82	662.60	558.52	523.14	35.38	15.788		
3,600.00	3,490.67	3,562.39	3,483.43	19.28	18.07	-123.32	8.59	685.71	575.21	538.78	36.43	15.791		
3,700.00	3,586.86	3,660.99	3,579.25	19.84	18.60	-123.25	6.37	708.81	591.91	554.43	37.48	15.793		
3,800.00	3,683.06	3,759.58	3,675.08	20.41	19.12	-123.19	4.14	731.92	608.60	570.07	38.53	15.795		
3,900.00	3,779.25	3,858.18	3,770.90	20.97	19.64	-123.13	1.91	755.03	625.30	585.71	39.59	15.796		
4,000.00	3,875.44	3,956.77	3,866.72	21.54	20.16	-123.07	-0.32	778.13	641.99	601.35	40.64	15.796		
4,100.00	3,971.64	4,055.37	3,962.54	22.11	20.68	-123.01	-2.55	801.24	658.69	616.99	41.70	15.797		
4,200.00	4,067.83	4,153.96	4,058.37	22.67	21.20	-122.96	-4.78	824.34	675.38	632.63	42.75	15.797		
4,300.00	4,164.02	4,252.55	4,154.19	23.24	21.73	-122.91	-7.01	847.45	692.08	648.27	43.81	15.797		
4,400.00	4,260.22	4,351.15	4,250.01	23.81	22.25	-122.87	-9.24	870.56	708.78	663.91	44.87	15.796		
4,500.00	4,356.41	4,449.74	4,345.84	24.37	22.77	-122.82	-11.46	893.66	725.48	679.55	45.93	15.795		
4,600.00	4,452.60	4,548.34	4,441.66	24.94	23.30	-122.78	-13.69	916.77	742.18	695.19	46.99	15.794		
4,700.00	4,548.79	4,646.93	4,537.48	25.51	23.82	-122.74	-15.92	939.87	758.88	710.83	48.05	15.793		
4,800.00	4,644.99	4,745.53	4,633.30	26.08	24.35	-122.70	-18.15	962.98	775.58	726.47	49.11	15.792		
4,900.00	4,741.18	4,844.12	4,729.13	26.65	24.87	-122.66	-20.38	986.09	792.28	742.10	50.17	15.791		
5,000.00	4,837.37	4,942.72	4,824.95	27.21	25.40	-122.63	-22.61	1,009.19	808.98	757.74	51.24	15.790		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,041.31	4,920.77	27.78	25.92	-122.60	-24.84	1,032.30	825.68	773.38	52.30	15.788		
5,200.00	5,029.76	5,139.90	5,016.60	28.35	26.45	-122.56	-27.06	1,055.41	842.38	789.02	53.36	15.787		
5,300.00	5,125.95	5,238.50	5,112.42	28.92	26.97	-122.53	-29.29	1,078.51	859.08	804.66	54.42	15.785		
5,400.00	5,222.15	5,337.09	5,208.24	29.49	27.50	-122.50	-31.52	1,101.62	875.78	820.29	55.49	15.783		
5,500.00	5,318.34	5,435.69	5,304.06	30.06	28.02	-122.47	-33.75	1,124.72	892.48	835.93	56.55	15.782		
5,600.00	5,414.53	5,535.96	5,401.76	30.63	28.55	-122.51	-35.92	1,147.19	909.11	851.50	57.62	15.779		
5,700.00	5,510.73	5,636.63	5,500.56	31.20	29.05	-122.76	-37.77	1,166.39	925.53	866.88	58.65	15.781		
5,800.00	5,606.92	5,736.97	5,599.65	31.77	29.52	-123.22	-39.28	1,182.07	941.76	882.12	59.63	15.793		
5,900.00	5,703.11	5,836.75	5,698.67	32.34	29.96	-123.88	-40.46	1,194.24	957.89	897.31	60.57	15.814		
6,000.00	5,799.31	5,935.71	5,797.25	32.91	30.38	-124.71	-41.29	1,202.91	974.02	912.56	61.46	15.848		
6,100.00	5,895.50	6,033.65	5,895.04	33.48	30.76	-125.69	-41.80	1,208.14	990.30	928.00	62.30	15.895		
6,200.00	5,991.69	6,130.35	5,991.71	34.05	31.13	-126.82	-41.98	1,210.04	1,006.88	943.78	63.10	15.957		
6,300.00	6,087.89	6,226.52	6,087.89	34.62	31.47	-128.02	-41.98	1,210.06	1,023.89	960.03	63.86	16.034		
6,400.00	6,184.08	6,322.72	6,184.08	35.19	31.82	-129.18	-41.98	1,210.06	1,041.34	976.73	64.61	16.116		
6,500.00	6,280.27	6,418.91	6,280.27	35.77	32.17	-130.30	-41.98	1,210.06	1,059.21	993.84	65.37	16.203		
6,535.30	6,314.23	6,452.87	6,314.23	35.97	32.29	-130.68	-41.98	1,210.06	1,065.62	999.98	65.64	16.234		
6,550.00	6,328.40	6,467.04	6,328.40	36.05	32.34	-134.51	-41.98	1,210.06	1,068.31	1,002.56	65.75	16.248		
6,600.00	6,377.01	6,515.64	6,377.01	36.31	32.52	-150.97	-41.98	1,210.06	1,077.60	1,011.47	66.13	16.296		
6,650.00	6,426.00	6,564.70	6,426.07	36.54	32.69	-173.00	-41.98	1,210.05	1,087.02	1,020.52	66.50	16.346		
6,700.00	6,475.08	6,614.97	6,476.27	36.73	32.87	-163.18	-41.99	1,207.86	1,096.44	1,029.57	66.87	16.397		
6,750.00	6,523.94	6,665.16	6,526.07	36.90	33.04	-143.63	-42.02	1,201.72	1,105.78	1,038.56	67.21	16.451		
6,800.00	6,572.28	6,715.29	6,575.18	37.05	33.23	-129.93	-42.08	1,191.69	1,114.97	1,047.41	67.57	16.502		
6,850.00	6,619.81	6,765.38	6,623.30	37.19	33.42	-120.56	-42.15	1,177.85	1,123.97	1,056.05	67.93	16.547		
6,900.00	6,666.23	6,815.43	6,670.15	37.32	33.63	-113.93	-42.24	1,160.28	1,132.72	1,064.41	68.31	16.582		
6,950.00	6,711.25	6,865.46	6,715.46	37.46	33.85	-109.03	-42.35	1,139.10	1,141.16	1,072.44	68.72	16.606		
7,000.00	6,754.60	6,915.48	6,758.96	37.61	34.09	-105.25	-42.48	1,114.43	1,149.23	1,080.07	69.16	16.616		
7,050.00	6,796.01	6,965.49	6,800.38	37.77	34.36	-102.26	-42.63	1,086.42	1,156.90	1,087.25	69.65	16.611		
7,100.00	6,835.22	7,015.51	6,839.48	37.94	34.65	-99.82	-42.79	1,055.25	1,164.11	1,093.93	70.18	16.588		
7,150.00	6,871.99	7,065.53	6,876.01	38.12	34.98	-97.80	-42.97	1,021.11	1,170.81	1,100.05	70.77	16.545		
7,200.00	6,906.10	7,115.55	6,909.76	38.34	35.33	-96.11	-43.16	984.20	1,176.98	1,105.56	71.42	16.481		
7,250.00	6,937.34	7,165.57	6,940.50	38.57	35.73	-94.69	-43.37	944.76	1,182.56	1,110.42	72.13	16.394		
7,300.00	6,965.51	7,215.58	6,968.04	38.84	36.16	-93.50	-43.59	903.03	1,187.52	1,114.59	72.93	16.284		
7,350.00	6,990.44	7,265.58	6,992.22	39.14	36.63	-92.50	-43.82	859.28	1,191.84	1,118.04	73.80	16.150		
7,400.00	7,011.97	7,315.55	7,012.88	39.47	37.14	-91.68	-44.06	813.79	1,195.48	1,120.73	74.75	15.993		
7,450.00	7,029.98	7,365.49	7,029.91	39.85	37.69	-91.02	-44.30	766.86	1,198.43	1,122.65	75.78	15.815		
7,500.00	7,044.34	7,415.38	7,043.19	40.26	38.28	-90.50	-44.56	718.79	1,200.66	1,123.78	76.88	15.616		
7,550.00	7,054.99	7,465.20	7,052.65	40.72	38.89	-90.12	-44.81	669.88	1,202.17	1,124.11	78.06	15.401		
7,600.00	7,061.83	7,514.95	7,058.26	41.21	39.53	-89.87	-45.07	620.47	1,202.94	1,123.65	79.29	15.172		
7,650.00	7,064.85	7,564.64	7,060.01	41.73	40.18	-89.76	-45.33	570.83	1,202.97	1,122.41	80.56	14.933		
7,661.89	7,065.00	7,576.53	7,060.04	41.86	40.35	-89.76	-45.39	558.94	1,202.86	1,121.99	80.87	14.874		
7,700.00	7,065.13	7,614.63	7,060.12	42.28	40.88	-89.76	-45.59	520.83	1,202.46	1,120.56	81.91	14.681		
7,800.00	7,065.47	7,714.63	7,060.35	43.53	42.37	-89.75	-46.12	420.84	1,201.42	1,116.60	84.82	14.165		
7,900.00	7,065.82	7,814.62	7,060.58	44.94	44.00	-89.75	-46.64	320.84	1,200.37	1,112.37	88.00	13.640		
8,000.00	7,066.16	7,914.62	7,060.81	46.50	45.75	-89.74	-47.16	220.85	1,199.32	1,107.89	91.43	13.117		
8,100.00	7,066.50	8,014.61	7,061.05	48.19	47.61	-89.74	-47.69	120.86	1,198.27	1,103.18	95.09	12.602		
8,200.00	7,066.85	8,114.61	7,061.28	50.00	49.56	-89.73	-48.21	20.87	1,197.22	1,098.29	98.94	12.101		
8,300.00	7,067.19	8,214.60	7,061.51	51.91	51.60	-89.73	-48.74	-79.13	1,196.18	1,093.22	102.96	11.618		
8,400.00	7,067.54	8,314.59	7,061.74	53.92	53.71	-89.72	-49.26	-179.12	1,195.13	1,087.99	107.14	11.155		
8,500.00	7,067.88	8,414.59	7,061.97	56.01	55.89	-89.71	-49.78	-279.11	1,194.08	1,082.63	111.45	10.714		
8,600.00	7,068.22	8,514.58	7,062.20	58.16	58.13	-89.71	-50.31	-379.11	1,193.03	1,077.15	115.89	10.295		
8,700.00	7,068.57	8,614.58	7,062.43	60.38	60.42	-89.70	-50.83	-479.10	1,191.98	1,071.55	120.43	9.898		
8,800.00	7,068.91	8,714.57	7,062.66	62.65	62.76	-89.70	-51.36	-579.09	1,190.94	1,065.86	125.07	9.522		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	8,814.57	7,062.89	64.97	65.14	89.69	-51.88	-679.08	1,189.89	1,060.09	129.80	9.167		
9,000.00	7,069.60	8,914.56	7,063.12	67.34	67.56	89.69	-52.40	-779.08	1,188.84	1,054.24	134.60	8.832		
9,100.00	7,069.94	9,014.56	7,063.35	69.74	70.01	89.68	-52.93	-879.07	1,187.79	1,048.32	139.48	8.516		
9,200.00	7,070.28	9,114.55	7,063.58	72.18	72.49	89.67	-53.45	-979.06	1,186.75	1,042.33	144.41	8.218		
9,300.00	7,070.63	9,214.54	7,063.81	74.65	74.99	89.67	-53.98	-1,079.06	1,185.70	1,036.30	149.40	7.936		
9,400.00	7,070.97	9,314.54	7,064.04	77.15	77.53	89.66	-54.50	-1,179.05	1,184.65	1,030.21	154.44	7.670		
9,500.00	7,071.32	9,414.53	7,064.27	79.67	80.08	89.66	-55.02	-1,279.04	1,183.60	1,024.07	159.53	7.419		
9,600.00	7,071.66	9,514.53	7,064.50	82.22	82.65	89.65	-55.55	-1,379.03	1,182.55	1,017.89	164.66	7.182		
9,700.00	7,072.00	9,614.52	7,064.73	84.78	85.24	89.65	-56.07	-1,479.03	1,181.51	1,011.68	169.83	6.957		
9,800.00	7,072.35	9,714.52	7,064.96	87.37	87.85	89.64	-56.60	-1,579.02	1,180.46	1,005.43	175.03	6.744		
9,900.00	7,072.69	9,814.51	7,065.19	89.97	90.48	89.63	-57.12	-1,679.01	1,179.41	999.15	180.26	6.543		
10,000.00	7,073.03	9,914.51	7,065.43	92.59	93.11	89.63	-57.64	-1,779.00	1,178.36	992.84	185.52	6.352		
10,100.00	7,073.38	10,014.50	7,065.66	95.22	95.76	89.62	-58.17	-1,879.00	1,177.32	986.51	190.81	6.170		
10,200.00	7,073.72	10,114.49	7,065.89	97.86	98.42	89.62	-58.69	-1,978.99	1,176.27	980.15	196.12	5.998		
10,300.00	7,074.07	10,214.49	7,066.12	100.52	101.10	89.61	-59.22	-2,078.98	1,175.22	973.77	201.45	5.834		
10,400.00	7,074.41	10,314.48	7,066.35	103.19	103.78	89.60	-59.74	-2,178.98	1,174.17	967.36	206.81	5.678		
10,500.00	7,074.75	10,414.48	7,066.58	105.87	106.47	89.60	-60.26	-2,278.97	1,173.12	960.94	212.18	5.529		
10,600.00	7,075.10	10,514.47	7,066.81	108.55	109.17	89.59	-60.79	-2,378.96	1,172.08	954.50	217.57	5.387		
10,700.00	7,075.44	10,614.47	7,067.04	111.25	111.88	89.59	-61.31	-2,478.95	1,171.03	948.05	222.98	5.252		
10,800.00	7,075.78	10,714.46	7,067.27	113.96	114.59	89.58	-61.84	-2,578.95	1,169.98	941.58	228.40	5.122		
10,900.00	7,076.13	10,814.46	7,067.50	116.67	117.31	89.58	-62.36	-2,678.94	1,168.93	935.09	233.84	4.999		
11,000.00	7,076.47	10,914.45	7,067.73	119.39	120.04	89.57	-62.88	-2,778.93	1,167.89	928.60	239.29	4.881		
11,100.00	7,076.81	11,014.44	7,067.96	122.11	122.78	89.56	-63.41	-2,878.93	1,166.84	922.09	244.75	4.767		
11,200.00	7,077.16	11,114.44	7,068.19	124.85	125.52	89.56	-63.93	-2,978.92	1,165.79	915.57	250.23	4.659		
11,300.00	7,077.50	11,214.43	7,068.42	127.58	128.26	89.55	-64.46	-3,078.91	1,164.74	909.03	255.71	4.555		
11,400.00	7,077.85	11,314.43	7,068.65	130.33	131.01	89.55	-64.98	-3,178.90	1,163.70	902.49	261.21	4.455		
11,500.00	7,078.19	11,414.42	7,068.88	133.08	133.76	89.54	-65.50	-3,278.90	1,162.65	895.94	266.71	4.359		
11,600.00	7,078.53	11,514.42	7,069.11	135.83	136.52	89.53	-66.03	-3,378.89	1,161.60	889.38	272.22	4.267		
11,700.00	7,078.88	11,614.41	7,069.34	138.59	139.28	89.53	-66.55	-3,478.88	1,160.55	882.81	277.74	4.179		
11,800.00	7,079.22	11,714.41	7,069.57	141.35	142.05	89.52	-67.08	-3,578.88	1,159.51	876.23	283.27	4.093		
11,900.00	7,079.56	11,814.40	7,069.81	144.11	144.82	89.52	-67.60	-3,678.87	1,158.46	869.65	288.81	4.011		
12,000.00	7,079.91	11,914.39	7,070.04	146.88	147.59	89.51	-68.12	-3,778.86	1,157.41	863.06	294.35	3.932		
12,100.00	7,080.25	12,014.39	7,070.27	149.66	150.37	89.50	-68.65	-3,878.85	1,156.36	856.46	299.90	3.856		
12,200.00	7,080.60	12,114.38	7,070.50	152.43	153.15	89.50	-69.17	-3,978.85	1,155.32	849.86	305.46	3.782		
12,300.00	7,080.94	12,214.38	7,070.73	155.21	155.93	89.49	-69.70	-4,078.84	1,154.27	843.25	311.02	3.711		
12,400.00	7,081.28	12,314.37	7,070.96	157.99	158.72	89.48	-70.22	-4,178.83	1,153.22	836.63	316.59	3.643		
12,500.00	7,081.63	12,414.37	7,071.19	160.78	161.50	89.48	-70.74	-4,278.82	1,152.17	830.01	322.16	3.576		
12,600.00	7,081.97	12,514.36	7,071.42	163.57	164.29	89.47	-71.27	-4,378.82	1,151.13	823.39	327.74	3.512		
12,700.00	7,082.31	12,614.36	7,071.65	166.36	167.09	89.47	-71.79	-4,478.81	1,150.08	816.76	333.32	3.450		
12,800.00	7,082.66	12,714.35	7,071.88	169.15	169.88	89.46	-72.32	-4,578.80	1,149.03	810.12	338.91	3.390		
12,900.00	7,083.00	12,814.34	7,072.11	171.94	172.68	89.45	-72.84	-4,678.80	1,147.98	803.48	344.50	3.332		
13,000.00	7,083.35	12,914.34	7,072.34	174.74	175.48	89.45	-73.36	-4,778.79	1,146.94	796.84	350.10	3.276		
13,100.00	7,083.69	13,014.33	7,072.57	177.54	178.28	89.44	-73.89	-4,878.78	1,145.89	790.19	355.70	3.222		
13,200.00	7,084.03	13,114.33	7,072.80	180.34	181.08	89.44	-74.41	-4,978.77	1,144.84	783.54	361.30	3.169		
13,300.00	7,084.38	13,214.32	7,073.03	183.14	183.88	89.43	-74.94	-5,078.77	1,143.79	776.89	366.91	3.117		
13,400.00	7,084.72	13,314.32	7,073.26	185.95	186.69	89.42	-75.46	-5,178.76	1,142.75	770.23	372.52	3.068		
13,500.00	7,085.06	13,414.31	7,073.49	188.76	189.50	89.42	-75.98	-5,278.75	1,141.70	763.57	378.13	3.019		
13,600.00	7,085.41	13,514.31	7,073.72	191.56	192.30	89.41	-76.51	-5,378.75	1,140.65	756.91	383.75	2.972		
13,700.00	7,085.75	13,614.30	7,073.95	194.37	195.11	89.40	-77.03	-5,478.74	1,139.61	750.24	389.37	2.927		
13,800.00	7,086.09	13,714.29	7,074.19	197.18	197.93	89.40	-77.56	-5,578.73	1,138.56	743.57	394.99	2.883		
13,900.00	7,086.44	13,814.29	7,074.42	200.00	200.74	89.39	-78.08	-5,678.72	1,137.51	736.90	400.61	2.839		
14,000.00	7,086.78	13,914.28	7,074.65	202.81	203.55	89.39	-78.60	-5,778.72	1,136.46	730.22	406.24	2.798		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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
18,924.52	7,104.00	18,837.67	7,086.00	341.83	343.01	89.15	-104.40	-10,702.02	1,211.30	526.57	684.73	1.769 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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-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									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	18,920.23	7,152.00	341.83	342.10	95.01	-767.45	-10,698.78	550.21	-131.85	682.05	0.807	Level 1, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,900.00	7,103.91	19,094.81	7,260.94	341.14	341.54	-151.96	-1,398.48	-10,670.92	177.92	-199.01	376.93	0.472	Level 1
18,924.52	7,104.00	19,119.32	7,261.00	341.83	342.24	-152.18	-1,398.43	-10,695.42	177.53	-198.49	376.02	0.472	Level 1

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-30.23	-0.28	30.23					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-30.23	-0.28	30.23	23.67	6.57	4.602		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-30.23	-0.28	30.23	23.56	6.67	4.530 CC		
300.00	299.98	299.24	299.22	3.44	3.44	47.71	-31.50	0.89	30.32	23.43	6.89	4.403		
400.00	399.84	398.47	398.32	3.59	3.59	48.27	-35.28	4.39	30.57	23.37	7.20	4.246		
500.00	499.45	497.71	497.18	3.80	3.79	49.17	-41.58	10.21	30.99	23.38	7.61	4.072		
600.00	598.70	596.95	595.68	4.04	4.03	50.38	-50.40	18.36	31.59	23.48	8.11	3.896		
700.00	697.47	696.19	693.71	4.32	4.31	51.88	-61.71	28.82	32.39	23.71	8.68	3.731		
800.00	795.62	795.42	791.14	4.65	4.63	53.60	-75.51	41.57	33.38	24.06	9.32	3.582		
900.00	893.06	894.66	887.87	5.02	4.99	55.51	-91.78	56.61	34.60	24.57	10.02	3.452		
993.00	982.91	986.95	977.09	5.39	5.36	57.39	-109.11	72.63	35.93	25.19	10.74	3.346		
1,000.00	989.65	993.89	983.77	5.42	5.39	57.52	-110.50	73.92	36.04	25.25	10.79	3.339		
1,100.00	1,085.84	1,093.48	1,079.19	5.86	5.83	57.62	-131.43	93.26	38.51	26.89	11.62	3.315		
1,200.00	1,182.03	1,206.56	1,174.84	6.32	6.36	57.20	-152.75	112.98	41.25	28.71	12.54	3.289		
1,300.00	1,278.22	1,293.40	1,270.49	6.79	6.78	56.84	-174.08	132.69	44.00	30.62	13.38	3.288		
1,400.00	1,374.42	1,393.37	1,366.14	7.28	7.28	56.52	-195.41	152.41	46.74	32.44	14.31	3.267		
1,500.00	1,470.61	1,506.67	1,461.79	7.79	7.86	56.23	-216.73	172.12	49.49	34.17	15.32	3.231		
1,600.00	1,566.80	1,593.29	1,557.44	8.30	8.32	55.97	-238.06	191.83	52.23	36.02	16.22	3.221		
1,700.00	1,663.00	1,706.75	1,653.09	8.82	8.92	55.74	-259.39	211.55	54.98	37.72	17.26	3.185		
1,800.00	1,759.19	1,806.79	1,748.74	9.34	9.46	55.53	-280.71	231.26	57.73	39.47	18.26	3.162		
1,900.00	1,855.38	1,906.82	1,844.39	9.87	10.01	55.35	-302.04	250.98	60.48	41.22	19.26	3.140		
2,000.00	1,951.58	2,006.86	1,940.04	10.41	10.56	55.17	-323.37	270.69	63.23	42.96	20.27	3.119		
2,100.00	2,047.77	2,106.90	2,035.69	10.95	11.11	55.01	-344.69	290.40	65.98	44.69	21.29	3.099		
2,200.00	2,143.96	2,206.94	2,131.34	11.49	11.67	54.87	-366.02	310.12	68.73	46.41	22.32	3.080		
2,300.00	2,240.16	2,306.98	2,226.99	12.04	12.23	54.73	-387.35	329.83	71.48	48.13	23.35	3.061		
2,400.00	2,336.35	2,407.01	2,322.64	12.58	12.79	54.61	-408.67	349.55	74.23	49.85	24.39	3.044		
2,500.00	2,432.54	2,507.05	2,418.29	13.13	13.36	54.49	-430.00	369.26	76.99	51.56	25.43	3.028		
2,600.00	2,528.74	2,607.09	2,513.94	13.69	13.93	54.38	-451.32	388.97	79.74	53.27	26.47	3.012		
2,700.00	2,624.93	2,707.13	2,609.59	14.24	14.50	54.28	-472.65	408.69	82.49	54.97	27.52	2.997		
2,800.00	2,721.12	2,792.83	2,705.24	14.80	14.99	54.19	-493.98	428.40	85.24	56.75	28.50	2.991		
2,900.00	2,817.32	2,907.20	2,800.89	15.35	15.64	54.10	-515.30	448.12	88.00	58.37	29.63	2.970		
3,000.00	2,913.51	3,007.24	2,896.54	15.91	16.22	54.02	-536.63	467.83	90.75	60.07	30.68	2.958		
3,100.00	3,009.70	3,107.28	2,992.19	16.47	16.79	53.94	-557.96	487.55	93.50	61.76	31.74	2.946		
3,200.00	3,105.90	3,192.68	3,087.84	17.03	17.28	53.87	-579.28	507.26	96.26	63.54	32.72	2.942		
3,300.00	3,202.09	3,307.36	3,183.49	17.59	17.95	53.80	-600.61	526.97	99.01	65.15	33.86	2.924		
3,400.00	3,298.28	3,392.61	3,279.14	18.15	18.44	53.73	-621.94	546.69	101.76	66.92	34.85	2.920		
3,500.00	3,394.48	3,507.43	3,374.79	18.72	19.10	53.67	-643.26	566.40	104.52	68.53	35.99	2.904		
3,600.00	3,490.67	3,607.47	3,470.44	19.28	19.68	53.61	-664.59	586.12	107.27	70.22	37.06	2.895		
3,700.00	3,586.86	3,707.51	3,566.09	19.84	20.26	53.55	-685.92	605.83	110.03	71.90	38.12	2.886		
3,800.00	3,683.06	3,807.55	3,661.74	20.41	20.84	53.50	-707.24	625.54	112.78	73.59	39.19	2.878		
3,900.00	3,779.25	3,907.58	3,757.39	20.97	21.42	53.45	-728.57	645.26	115.54	75.27	40.26	2.870		
4,000.00	3,875.44	4,007.62	3,853.04	21.54	22.01	53.40	-749.90	664.97	118.29	76.96	41.33	2.862		
4,100.00	3,971.64	4,107.66	3,948.69	22.11	22.59	53.35	-771.22	684.69	121.04	78.64	42.40	2.855		
4,200.00	4,067.83	4,192.30	4,044.34	22.67	23.08	53.31	-792.55	704.40	123.80	80.41	43.39	2.853		
4,300.00	4,164.02	4,307.74	4,139.99	23.24	23.75	53.27	-813.88	724.11	126.55	82.00	44.55	2.841		
4,400.00	4,260.22	4,407.77	4,235.64	23.81	24.34	53.23	-835.20	743.83	129.31	83.69	45.62	2.834		
4,500.00	4,356.41	4,492.19	4,331.29	24.37	24.83	53.19	-856.53	763.54	132.06	85.45	46.61	2.833		
4,600.00	4,452.60	4,607.85	4,426.94	24.94	25.50	53.15	-877.86	783.26	134.82	87.05	47.77	2.822		
4,700.00	4,548.79	4,707.89	4,522.59	25.51	26.09	53.12	-899.18	802.97	137.57	88.73	48.85	2.816		
4,800.00	4,644.99	4,792.07	4,618.24	26.08	26.58	53.08	-920.51	822.68	140.33	90.49	49.84	2.816		
4,900.00	4,741.18	4,907.96	4,713.89	26.65	27.26	53.05	-941.84	842.40	143.08	92.08	51.00	2.806		
5,000.00	4,837.37	5,008.00	4,809.54	27.21	27.84	53.02	-963.16	862.11	145.84	93.76	52.08	2.800		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,108.04	4,905.19	27.78	28.43	52.99	-984.49	881.83	148.59	95.44	53.15	2.795		
5,200.00	5,029.76	5,191.92	5,000.84	28.35	28.92	52.96	-1,005.82	901.54	151.35	97.20	54.14	2.795		
5,300.00	5,125.95	5,291.88	5,096.49	28.92	29.50	52.93	-1,027.14	921.25	154.10	98.88	55.22	2.791		
5,400.00	5,222.15	5,408.15	5,192.14	29.49	30.19	52.90	-1,048.47	940.97	156.86	100.47	56.39	2.782		
5,500.00	5,318.34	5,508.19	5,287.79	30.06	30.77	52.87	-1,069.79	960.68	159.61	102.15	57.47	2.777		
5,600.00	5,414.53	5,608.23	5,383.44	30.63	31.36	52.85	-1,091.12	980.40	162.37	103.82	58.55	2.773		
5,700.00	5,510.73	5,691.73	5,479.09	31.20	31.85	52.82	-1,112.45	1,000.11	165.13	105.59	59.54	2.774		
5,800.00	5,606.92	5,808.31	5,574.74	31.77	32.53	52.80	-1,133.77	1,019.82	167.88	107.17	60.71	2.765		
5,900.00	5,703.11	5,908.34	5,670.39	32.34	33.12	52.78	-1,155.10	1,039.54	170.64	108.85	61.79	2.762		
6,000.00	5,799.31	5,991.62	5,766.04	32.91	33.61	52.75	-1,176.43	1,059.25	173.39	110.62	62.78	2.762		
6,100.00	5,895.50	6,108.42	5,861.69	33.48	34.29	52.73	-1,197.75	1,078.97	176.15	112.20	63.95	2.755		
6,200.00	5,991.69	6,191.54	5,957.34	34.05	34.78	52.71	-1,219.08	1,098.68	178.90	113.97	64.94	2.755		
6,300.00	6,087.89	6,308.50	6,052.99	34.62	35.46	52.69	-1,240.41	1,118.40	181.66	115.55	66.11	2.748		
6,400.00	6,184.08	6,391.47	6,148.64	35.19	35.95	52.67	-1,261.73	1,138.11	184.41	117.32	67.10	2.748		
6,500.00	6,280.27	6,508.57	6,244.29	35.77	36.64	52.65	-1,283.06	1,157.82	187.17	118.90	68.27	2.742		
6,535.30	6,314.23	6,526.72	6,278.06	35.97	36.75	52.65	-1,290.59	1,164.78	188.14	119.58	68.56	2.744		
6,550.00	6,328.40	6,541.41	6,292.12	36.05	36.83	49.20	-1,293.72	1,167.68	188.53	119.82	68.71	2.744		
6,600.00	6,377.01	6,591.29	6,339.84	36.31	37.12	33.13	-1,304.36	1,177.52	189.58	120.50	69.08	2.744		
6,650.00	6,426.00	6,640.67	6,387.10	36.54	37.41	10.12	-1,314.90	1,187.24	190.41	121.18	69.23	2.750		
6,700.00	6,475.08	6,689.10	6,433.80	36.73	37.68	-15.16	-1,325.33	1,194.63	191.50	122.24	69.25	2.765		
6,750.00	6,523.94	6,738.16	6,481.52	36.90	37.92	-36.18	-1,336.03	1,198.38	193.02	123.75	69.27	2.787		
6,800.00	6,572.28	6,787.88	6,530.01	37.05	38.13	-51.33	-1,346.94	1,198.34	194.96	125.67	69.29	2.814		
6,850.00	6,619.81	6,838.29	6,579.02	37.19	38.31	-62.12	-1,358.00	1,194.33	197.31	127.98	69.34	2.846		
6,900.00	6,666.23	6,889.43	6,628.25	37.32	38.47	-70.12	-1,369.15	1,186.22	200.04	130.64	69.40	2.883		
6,950.00	6,711.25	6,941.31	6,677.37	37.46	38.61	-76.33	-1,380.31	1,173.88	203.10	133.64	69.46	2.924		
7,000.00	6,754.60	6,993.95	6,726.04	37.61	38.75	-81.33	-1,391.42	1,157.21	206.44	136.94	69.51	2.970		
7,050.00	6,796.01	7,047.37	6,773.87	37.77	38.89	-85.48	-1,402.38	1,136.14	210.01	140.49	69.52	3.021		
7,100.00	6,835.22	7,101.57	6,820.46	37.94	39.03	-88.97	-1,413.10	1,110.63	213.72	144.24	69.48	3.076		
7,150.00	6,871.99	7,156.56	6,865.38	38.12	39.18	-91.95	-1,423.48	1,080.70	217.53	148.12	69.41	3.134		
7,200.00	6,906.10	7,212.32	6,908.18	38.34	39.35	-94.50	-1,433.43	1,046.39	221.35	152.03	69.32	3.193		
7,250.00	6,937.34	7,268.83	6,948.39	38.57	39.54	-96.68	-1,442.84	1,007.84	225.12	155.87	69.25	3.251		
7,300.00	6,965.51	7,326.07	6,985.55	38.84	39.76	-98.53	-1,451.61	965.22	228.76	159.52	69.25	3.304		
7,350.00	6,990.44	7,383.99	7,019.18	39.14	40.01	-100.09	-1,459.61	918.78	232.21	162.84	69.37	3.347		
7,400.00	7,011.97	7,442.54	7,048.85	39.47	40.30	-101.37	-1,466.76	868.84	235.40	165.71	69.68	3.378		
7,450.00	7,029.98	7,501.65	7,074.13	39.85	40.64	-102.40	-1,472.95	815.79	238.27	168.03	70.24	3.392		
7,500.00	7,044.34	7,561.23	7,094.64	40.26	41.03	-103.18	-1,478.09	760.11	240.78	169.68	71.11	3.386		
7,550.00	7,054.99	7,621.21	7,110.07	40.72	41.48	-103.72	-1,482.11	702.31	242.88	170.60	72.28	3.360		
7,600.00	7,061.83	7,681.49	7,120.15	41.21	41.99	-104.04	-1,484.94	642.98	244.54	170.76	73.78	3.315		
7,650.00	7,064.85	7,741.95	7,124.72	41.73	42.55	-104.13	-1,486.53	582.73	245.74	170.17	75.56	3.252		
7,661.89	7,065.00	7,756.34	7,124.99	41.86	42.69	-104.12	-1,486.73	568.34	245.95	169.93	76.02	3.235		
7,700.00	7,065.13	7,795.00	7,125.09	42.28	43.08	-104.08	-1,487.12	529.68	246.51	169.47	77.03	3.200		
7,800.00	7,065.47	7,905.01	7,125.33	43.53	44.35	-103.97	-1,488.12	429.70	247.96	168.02	79.94	3.102		
7,900.00	7,065.82	8,005.02	7,125.57	44.94	45.68	-103.87	-1,489.12	329.71	249.42	166.41	83.01	3.005		
8,000.00	7,066.16	8,105.03	7,125.81	46.50	47.18	-103.76	-1,490.12	229.73	250.87	164.54	86.34	2.906		
8,100.00	7,066.50	8,205.04	7,126.05	48.19	48.81	-103.65	-1,491.13	129.75	252.33	162.44	89.89	2.807		
8,200.00	7,066.85	8,305.05	7,126.29	50.00	50.57	-103.55	-1,492.13	29.77	253.79	160.14	93.65	2.710		
8,300.00	7,067.19	8,405.07	7,126.53	51.91	52.44	-103.45	-1,493.13	-70.22	255.25	157.66	97.59	2.616		
8,400.00	7,067.54	8,505.08	7,126.77	53.92	54.41	-103.34	-1,494.13	-170.20	256.71	155.02	101.69	2.525		
8,500.00	7,067.88	8,605.09	7,127.01	56.01	56.46	-103.24	-1,495.13	-270.18	258.17	152.24	105.93	2.437		
8,600.00	7,068.22	8,705.10	7,127.25	58.16	58.58	-103.14	-1,496.13	-370.17	259.63	149.34	110.30	2.354		
8,700.00	7,068.57	8,805.11	7,127.49	60.38	60.77	-103.05	-1,497.13	-470.15	261.10	146.32	114.78	2.275		
8,800.00	7,068.91	8,905.13	7,127.73	62.65	63.02	-102.95	-1,498.14	-570.13	262.56	143.21	119.36	2.200		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	9,005.14	7,127.97	64.97	65.31	-102.85	-1,499.14	-670.12	264.03	140.00	124.02	2.129		
9,000.00	7,069.60	9,105.15	7,128.21	67.34	67.66	-102.76	-1,500.14	-770.10	265.49	136.72	128.77	2.062		
9,100.00	7,069.94	9,205.16	7,128.44	69.74	70.04	-102.66	-1,501.14	-870.08	266.96	133.36	133.59	1.998		
9,200.00	7,070.28	9,305.17	7,128.68	72.18	72.46	-102.57	-1,502.14	-970.06	268.42	129.94	138.48	1.938		
9,300.00	7,070.63	9,405.18	7,128.92	74.65	74.91	-102.48	-1,503.14	-1,070.05	269.89	126.47	143.42	1.882		
9,400.00	7,070.97	9,505.20	7,129.16	77.15	77.39	-102.39	-1,504.14	-1,170.03	271.36	122.94	148.42	1.828		
9,500.00	7,071.32	9,605.21	7,129.40	79.67	79.90	-102.30	-1,505.15	-1,270.01	272.83	119.36	153.46	1.778		
9,600.00	7,071.66	9,705.22	7,129.64	82.22	82.43	-102.21	-1,506.15	-1,370.00	274.30	115.75	158.55	1.730		
9,700.00	7,072.00	9,805.23	7,129.88	84.78	84.98	-102.12	-1,507.15	-1,469.98	275.77	112.09	163.68	1.685		
9,800.00	7,072.35	9,905.24	7,130.12	87.37	87.55	-102.03	-1,508.15	-1,569.96	277.24	108.40	168.84	1.642		
9,900.00	7,072.69	10,005.25	7,130.36	89.97	90.14	-101.95	-1,509.15	-1,669.95	278.71	104.67	174.03	1.601		
10,000.00	7,073.03	10,105.27	7,130.60	92.59	92.74	-101.86	-1,510.15	-1,769.93	280.18	100.92	179.26	1.563		
10,100.00	7,073.38	10,205.28	7,130.84	95.22	95.36	-101.78	-1,511.15	-1,869.91	281.65	97.14	184.51	1.526		
10,200.00	7,073.72	10,305.29	7,131.08	97.86	97.99	-101.69	-1,512.16	-1,969.89	283.12	93.33	189.79	1.492 Level 3		
10,300.00	7,074.07	10,405.30	7,131.32	100.52	100.64	-101.61	-1,513.16	-2,069.88	284.60	89.50	195.10	1.459 Level 3		
10,400.00	7,074.41	10,505.31	7,131.56	103.19	103.30	-101.53	-1,514.16	-2,169.86	286.07	85.65	200.42	1.427 Level 3		
10,500.00	7,074.75	10,605.32	7,131.80	105.87	105.96	-101.45	-1,515.16	-2,269.84	287.55	81.78	205.77	1.397 Level 3		
10,600.00	7,075.10	10,705.34	7,132.04	108.55	108.64	-101.37	-1,516.16	-2,369.83	289.02	77.89	211.13	1.369 Level 3		
10,700.00	7,075.44	10,805.35	7,132.28	111.25	111.33	-101.29	-1,517.16	-2,469.81	290.50	73.98	216.51	1.342 Level 3		
10,800.00	7,075.78	10,905.36	7,132.52	113.96	114.02	-101.21	-1,518.16	-2,569.79	291.97	70.06	221.91	1.316 Level 3		
10,900.00	7,076.13	10,994.63	7,132.76	116.67	116.44	-101.13	-1,519.17	-2,669.78	293.45	66.41	227.04	1.293 Level 3		
11,000.00	7,076.47	11,105.38	7,133.00	119.39	119.44	-101.05	-1,520.17	-2,769.76	294.93	62.17	232.75	1.267 Level 3		
11,100.00	7,076.81	11,205.39	7,133.24	122.11	122.15	-100.98	-1,521.17	-2,869.74	296.41	58.21	238.20	1.244 Level 2		
11,200.00	7,077.16	11,305.41	7,133.48	124.85	124.88	-100.90	-1,522.17	-2,969.72	297.89	54.23	243.65	1.223 Level 2		
11,300.00	7,077.50	11,405.42	7,133.72	127.58	127.61	-100.83	-1,523.17	-3,069.71	299.36	50.25	249.12	1.202 Level 2		
11,400.00	7,077.85	11,505.43	7,133.96	130.33	130.34	-100.75	-1,524.17	-3,169.69	300.84	46.25	254.59	1.182 Level 2		
11,500.00	7,078.19	11,605.44	7,134.20	133.08	133.08	-100.68	-1,525.17	-3,269.67	302.32	42.24	260.08	1.162 Level 2		
11,600.00	7,078.53	11,694.55	7,134.44	135.83	135.53	-100.61	-1,526.18	-3,369.66	303.81	38.52	265.29	1.145 Level 2		
11,700.00	7,078.88	11,805.46	7,134.68	138.59	138.58	-100.54	-1,527.18	-3,469.64	305.29	34.20	271.09	1.126 Level 2		
11,800.00	7,079.22	11,905.48	7,134.92	141.35	141.33	-100.47	-1,528.18	-3,569.62	306.77	30.16	276.61	1.109 Level 2		
11,900.00	7,079.56	12,005.49	7,135.16	144.11	144.09	-100.39	-1,529.18	-3,669.61	308.25	26.12	282.13	1.093 Level 2		
12,000.00	7,079.91	12,105.50	7,135.40	146.88	146.85	-100.32	-1,530.18	-3,769.59	309.73	22.07	287.66	1.077 Level 2		
12,100.00	7,080.25	12,205.51	7,135.64	149.66	149.62	-100.26	-1,531.18	-3,869.57	311.22	18.01	293.20	1.061 Level 2		
12,200.00	7,080.60	12,305.52	7,135.88	152.43	152.38	-100.19	-1,532.18	-3,969.55	312.70	13.95	298.75	1.047 Level 2		
12,300.00	7,080.94	12,405.53	7,136.12	155.21	155.16	-100.12	-1,533.19	-4,069.54	314.18	9.88	304.30	1.032 Level 2		
12,400.00	7,081.28	12,505.55	7,136.36	157.99	157.93	-100.05	-1,534.19	-4,169.52	315.67	5.80	309.86	1.019 Level 2		
12,500.00	7,081.63	12,605.56	7,136.60	160.78	160.71	-99.99	-1,535.19	-4,269.50	317.15	1.72	315.43	1.005 Level 2		
12,600.00	7,081.97	12,705.57	7,136.84	163.57	163.49	-99.92	-1,536.19	-4,369.49	318.64	-2.37	321.00	0.993 Level 1		
12,700.00	7,082.31	12,805.58	7,137.08	166.36	166.27	-99.85	-1,537.19	-4,469.47	320.12	-6.46	326.58	0.980 Level 1		
12,800.00	7,082.66	12,905.59	7,137.32	169.15	169.06	-99.79	-1,538.19	-4,569.45	321.61	-10.56	332.17	0.968 Level 1		
12,900.00	7,083.00	13,005.60	7,137.56	171.94	171.85	-99.73	-1,539.19	-4,669.44	323.09	-14.66	337.76	0.957 Level 1		
13,000.00	7,083.35	13,105.62	7,137.80	174.74	174.64	-99.66	-1,540.20	-4,769.42	324.58	-18.77	343.35	0.945 Level 1		
13,100.00	7,083.69	13,205.63	7,138.04	177.54	177.43	-99.60	-1,541.20	-4,869.40	326.07	-22.88	348.95	0.934 Level 1		
13,200.00	7,084.03	13,305.64	7,138.28	180.34	180.22	-99.54	-1,542.20	-4,969.38	327.56	-26.99	354.55	0.924 Level 1		
13,300.00	7,084.38	13,405.65	7,138.51	183.14	183.02	-99.47	-1,543.20	-5,069.37	329.04	-31.11	360.16	0.914 Level 1		
13,400.00	7,084.72	13,505.66	7,138.75	185.95	185.82	-99.41	-1,544.20	-5,169.35	330.53	-35.24	365.77	0.904 Level 1		
13,500.00	7,085.06	13,605.68	7,138.99	188.76	188.62	-99.35	-1,545.20	-5,269.33	332.02	-39.36	371.38	0.894 Level 1		
13,600.00	7,085.41	13,705.69	7,139.23	191.56	191.42	-99.29	-1,546.20	-5,369.32	333.51	-43.49	377.00	0.885 Level 1		
13,700.00	7,085.75	13,805.70	7,139.47	194.37	194.22	-99.23	-1,547.21	-5,469.30	335.00	-47.63	382.62	0.876 Level 1		
13,800.00	7,086.09	13,905.71	7,139.71	197.18	197.03	-99.17	-1,548.21	-5,569.28	336.49	-51.76	388.25	0.867 Level 1		
13,900.00	7,086.44	14,005.72	7,139.95	200.00	199.84	-99.11	-1,549.21	-5,669.27	337.98	-55.90	393.88	0.858 Level 1		
14,000.00	7,086.78	14,105.73	7,140.19	202.81	202.64	-99.06	-1,550.21	-5,769.25	339.47	-60.04	399.51	0.850 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	14,205.75	7,140.43	205.63	205.45	-99.00	-1,551.21	-5,869.23	340.96	-64.19	405.15	0.842	Level 1	
14,200.00	7,087.47	14,305.76	7,140.67	208.44	208.26	-98.94	-1,552.21	-5,969.21	342.45	-68.33	410.79	0.834	Level 1	
14,300.00	7,087.81	14,405.77	7,140.91	211.26	211.08	-98.89	-1,553.21	-6,069.20	343.94	-72.48	416.43	0.826	Level 1	
14,400.00	7,088.16	14,505.78	7,141.15	214.08	213.89	-98.83	-1,554.22	-6,169.18	345.43	-76.64	422.07	0.818	Level 1	
14,500.00	7,088.50	14,605.79	7,141.39	216.90	216.70	-98.77	-1,555.22	-6,269.16	346.93	-80.79	427.72	0.811	Level 1	
14,600.00	7,088.84	14,694.20	7,141.63	219.72	219.19	-98.72	-1,556.22	-6,369.15	348.42	-84.62	433.04	0.805	Level 1	
14,700.00	7,089.19	14,805.82	7,141.87	222.54	222.34	-98.66	-1,557.22	-6,469.13	349.91	-89.11	439.02	0.797	Level 1	
14,800.00	7,089.53	14,905.83	7,142.11	225.37	225.15	-98.61	-1,558.22	-6,569.11	351.41	-93.27	444.67	0.790	Level 1	
14,900.00	7,089.88	15,005.84	7,142.35	228.19	227.97	-98.56	-1,559.22	-6,669.10	352.90	-97.43	450.33	0.784	Level 1	
15,000.00	7,090.22	15,105.85	7,142.59	231.02	230.79	-98.50	-1,560.22	-6,769.08	354.39	-101.59	455.99	0.777	Level 1	
15,100.00	7,090.56	15,205.86	7,142.83	233.84	233.61	-98.45	-1,561.23	-6,869.06	355.89	-105.76	461.65	0.771	Level 1	
15,200.00	7,090.91	15,305.87	7,143.07	236.67	236.43	-98.40	-1,562.23	-6,969.04	357.38	-109.93	467.31	0.765	Level 1	
15,227.29	7,091.00	15,321.41	7,143.14	237.44	236.87	-98.38	-1,562.50	-6,996.33	357.79	-110.74	468.53	0.764	Level 1	
15,300.00	7,091.25	15,405.88	7,143.31	239.49	239.25	-98.36	-1,563.23	-7,069.03	357.96	-114.98	472.95	0.757	Level 1	
15,326.57	7,091.35	15,420.69	7,143.37	240.24	239.67	-98.36	-1,563.49	-7,095.60	357.57	-116.53	474.10	0.754	Level 1	
15,400.00	7,091.60	15,505.90	7,143.55	242.30	242.08	-98.38	-1,564.23	-7,169.01	356.15	-122.36	478.51	0.744	Level 1	
15,500.00	7,091.96	15,605.92	7,143.79	245.12	244.90	-98.41	-1,565.23	-7,268.99	354.21	-129.85	484.06	0.732	Level 1	
15,600.00	7,092.31	15,705.93	7,144.03	247.93	247.73	-98.44	-1,566.23	-7,368.96	352.28	-137.34	489.62	0.719	Level 1	
15,700.00	7,092.66	15,794.05	7,144.27	250.75	250.21	-98.47	-1,567.23	-7,468.94	350.34	-144.50	494.85	0.708	Level 1	
15,800.00	7,093.01	15,905.97	7,144.51	253.56	253.38	-98.50	-1,568.24	-7,568.91	348.41	-152.33	500.74	0.696	Level 1	
15,900.00	7,093.36	16,005.99	7,144.75	256.38	256.20	-98.53	-1,569.24	-7,668.89	346.48	-159.82	506.29	0.684	Level 1	
16,000.00	7,093.71	16,106.01	7,144.99	259.20	259.03	-98.56	-1,570.24	-7,768.87	344.54	-167.31	511.85	0.673	Level 1	
16,100.00	7,094.07	16,206.03	7,145.23	262.02	261.86	-98.59	-1,571.24	-7,868.84	342.61	-174.80	517.41	0.662	Level 1	
16,200.00	7,094.42	16,306.05	7,145.47	264.84	264.69	-98.62	-1,572.24	-7,968.82	340.67	-182.30	522.97	0.651	Level 1	
16,300.00	7,094.77	16,406.07	7,145.71	267.65	267.52	-98.65	-1,573.24	-8,068.79	338.74	-189.79	528.53	0.641	Level 1	
16,400.00	7,095.12	16,506.08	7,145.95	270.47	270.35	-98.68	-1,574.24	-8,168.77	336.80	-197.28	534.08	0.631	Level 1	
16,500.00	7,095.47	16,606.10	7,146.19	273.30	273.18	-98.71	-1,575.25	-8,268.75	334.87	-204.77	539.64	0.621	Level 1	
16,600.00	7,095.82	16,706.12	7,146.43	276.12	276.01	-98.74	-1,576.25	-8,368.72	332.94	-212.26	545.20	0.611	Level 1	
16,700.00	7,096.18	16,806.14	7,146.67	278.94	278.84	-98.77	-1,577.25	-8,468.70	331.00	-219.75	550.75	0.601	Level 1	
16,800.00	7,096.53	16,906.16	7,146.91	281.76	281.67	-98.80	-1,578.25	-8,568.67	329.07	-227.24	556.31	0.592	Level 1	
16,900.00	7,096.88	17,006.18	7,147.15	284.58	284.51	-98.84	-1,579.25	-8,668.65	327.14	-234.73	561.86	0.582	Level 1	
17,000.00	7,097.23	17,106.20	7,147.39	287.41	287.34	-98.87	-1,580.25	-8,768.62	325.20	-242.21	567.42	0.573	Level 1	
17,100.00	7,097.58	17,206.22	7,147.63	290.23	290.17	-98.90	-1,581.25	-8,868.60	323.27	-249.70	572.97	0.564	Level 1	
17,200.00	7,097.93	17,306.24	7,147.86	293.06	293.01	-98.94	-1,582.25	-8,968.58	321.34	-257.19	578.52	0.555	Level 1	
17,300.00	7,098.29	17,406.25	7,148.10	295.88	295.84	-98.97	-1,583.26	-9,068.55	319.40	-264.67	584.08	0.547	Level 1	
17,400.00	7,098.64	17,506.27	7,148.34	298.71	298.68	-99.01	-1,584.26	-9,168.53	317.47	-272.16	589.63	0.538	Level 1	
17,500.00	7,098.99	17,606.29	7,148.58	301.53	301.51	-99.04	-1,585.26	-9,268.50	315.54	-279.64	595.18	0.530	Level 1	
17,600.00	7,099.34	17,706.31	7,148.82	304.36	304.35	-99.08	-1,586.26	-9,368.48	313.60	-287.12	600.72	0.522	Level 1	
17,700.00	7,099.69	17,806.33	7,149.06	307.19	307.18	-99.11	-1,587.26	-9,468.46	311.67	-294.60	606.27	0.514	Level 1	
17,800.00	7,100.04	17,906.35	7,149.30	310.01	310.02	-99.15	-1,588.26	-9,568.43	309.74	-302.08	611.82	0.506	Level 1	
17,900.00	7,100.40	18,006.37	7,149.54	312.84	312.86	-99.19	-1,589.26	-9,668.41	307.81	-309.56	617.36	0.499	Level 1	
18,000.00	7,100.75	18,106.39	7,149.78	315.67	315.69	-99.22	-1,590.27	-9,768.38	305.87	-317.03	622.91	0.491	Level 1	
18,100.00	7,101.10	18,206.41	7,150.02	318.50	318.53	-99.26	-1,591.27	-9,868.36	303.94	-324.51	628.45	0.484	Level 1	
18,200.00	7,101.45	18,306.42	7,150.26	321.33	321.37	-99.30	-1,592.27	-9,968.33	302.01	-331.98	633.99	0.476	Level 1	
18,300.00	7,101.80	18,406.44	7,150.50	324.16	324.21	-99.34	-1,593.27	-10,068.31	300.08	-339.45	639.53	0.469	Level 1	
18,400.00	7,102.16	18,506.46	7,150.74	326.99	327.05	-99.38	-1,594.27	-10,168.29	298.15	-346.92	645.07	0.462	Level 1	
18,500.00	7,102.51	18,606.48	7,150.98	329.82	329.89	-99.42	-1,595.27	-10,268.26	296.22	-354.39	650.61	0.455	Level 1	
18,600.00	7,102.86	18,706.50	7,151.22	332.65	332.73	-99.46	-1,596.27	-10,368.24	294.28	-361.86	656.14	0.449	Level 1	
18,700.00	7,103.21	18,806.52	7,151.46	335.48	335.57	-99.50	-1,597.28	-10,468.21	292.35	-369.32	661.67	0.442	Level 1	
18,800.00	7,103.56	18,906.54	7,151.70	338.31	338.40	-99.54	-1,598.28	-10,568.19	290.42	-376.78	667.21	0.435	Level 1	
18,900.00	7,103.91	18,993.44	7,151.94	341.14	340.87	-99.58	-1,599.28	-10,668.17	288.49	-383.88	672.37	0.429	Level 1	
18,924.52	7,104.00	19,017.95	7,152.00	341.83	341.57	-99.59	-1,599.52	-10,692.67	288.02	-385.70	673.72	0.428	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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 16N-9B-L
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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													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	-179.36	-75.05	-0.83	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	-179.36	-75.05	-0.83	75.05	68.48	6.57	11.424		
200.00	200.00	200.00	200.00	3.34	3.34	-179.36	-75.05	-0.83	75.05	68.38	6.67	11.245		
300.00	299.98	299.98	299.98	3.44	3.44	48.65	-75.05	-0.83	73.89	67.00	6.89	10.731		
400.00	399.84	397.84	397.82	3.59	3.59	51.04	-76.48	0.02	71.93	64.74	7.19	10.004		
500.00	499.45	495.78	495.63	3.80	3.78	54.13	-80.80	2.57	70.77	63.18	7.59	9.327		
575.37	574.30	569.67	569.27	3.98	3.95	56.88	-85.96	5.62	70.49	62.54	7.94	8.873 CC		
600.00	598.70	593.82	593.30	4.04	4.01	57.85	-88.00	6.83	70.52	62.45	8.07	8.739 ES		
700.00	697.47	691.92	690.69	4.32	4.27	62.07	-98.09	12.79	71.33	62.70	8.62	8.272		
800.00	795.62	790.07	787.69	4.65	4.56	66.59	-111.04	20.45	73.32	64.08	9.24	7.932		
900.00	893.06	888.28	884.16	5.02	4.90	71.19	-126.85	29.80	76.60	66.67	9.93	7.714		
993.00	982.91	979.65	973.29	5.39	5.23	75.35	-144.12	40.01	80.85	70.22	10.63	7.607		
1,000.00	989.65	986.53	979.97	5.42	5.26	75.66	-145.51	40.84	81.21	70.53	10.68	7.603		
1,100.00	1,085.84	1,084.85	1,075.06	5.86	5.66	78.67	-167.01	53.55	87.55	76.05	11.50	7.612		
1,200.00	1,182.03	1,183.11	1,169.19	6.32	6.09	79.44	-191.28	67.91	95.56	83.19	12.37	7.725		
1,300.00	1,278.22	1,281.09	1,262.03	6.79	6.55	78.42	-218.24	83.85	105.12	91.84	13.28	7.917		
1,400.00	1,374.42	1,378.57	1,353.27	7.28	7.05	76.13	-247.75	101.30	116.33	102.13	14.21	8.187		
1,500.00	1,470.61	1,475.31	1,442.62	7.79	7.58	73.00	-279.67	120.18	129.50	114.35	15.15	8.548		
1,600.00	1,566.80	1,573.84	1,532.91	8.30	8.16	69.80	-313.62	140.26	144.06	127.93	16.12	8.936		
1,700.00	1,663.00	1,672.49	1,623.30	8.82	8.75	67.18	-347.61	160.36	158.97	141.87	17.11	9.292		
1,800.00	1,759.19	1,771.13	1,713.70	9.34	9.36	65.02	-381.60	180.46	174.16	156.06	18.11	9.619		
1,900.00	1,855.38	1,869.77	1,804.09	9.87	9.98	63.21	-415.59	200.56	189.55	170.44	19.11	9.918		
2,000.00	1,951.58	1,968.42	1,894.49	10.41	10.60	61.66	-449.58	220.67	205.10	184.97	20.13	10.190		
2,100.00	2,047.77	2,067.06	1,984.88	10.95	11.24	60.34	-483.58	240.77	220.78	199.63	21.15	10.438		
2,200.00	2,143.96	2,165.71	2,075.28	11.49	11.89	59.19	-517.57	260.87	236.55	214.37	22.18	10.664		
2,300.00	2,240.16	2,264.35	2,165.67	12.04	12.54	58.19	-551.56	280.97	252.41	229.19	23.22	10.871		
2,400.00	2,336.35	2,362.99	2,256.06	12.58	13.20	57.30	-585.55	301.08	268.33	244.07	24.26	11.061		
2,500.00	2,432.54	2,461.64	2,346.46	13.13	13.86	56.51	-619.54	321.18	284.31	259.00	25.31	11.234		
2,600.00	2,528.74	2,560.28	2,436.85	13.69	14.52	55.81	-653.53	341.28	300.34	273.98	26.36	11.394		
2,700.00	2,624.93	2,658.93	2,527.25	14.24	15.19	55.18	-687.52	361.38	316.40	288.99	27.41	11.542		
2,800.00	2,721.12	2,757.57	2,617.64	14.80	15.86	54.61	-721.51	381.48	332.50	304.03	28.47	11.678		
2,900.00	2,817.32	2,856.21	2,708.04	15.35	16.53	54.09	-755.50	401.59	348.63	319.09	29.53	11.804		
3,000.00	2,913.51	2,954.86	2,798.43	15.91	17.21	53.62	-789.50	421.69	364.78	334.18	30.60	11.922		
3,100.00	3,009.70	3,053.50	2,888.83	16.47	17.88	53.18	-823.49	441.79	380.96	349.29	31.67	12.031		
3,200.00	3,105.90	3,152.15	2,979.22	17.03	18.56	52.79	-857.48	461.89	397.15	364.42	32.74	12.132		
3,300.00	3,202.09	3,250.79	3,069.61	17.59	19.24	52.42	-891.47	482.00	413.36	379.56	33.81	12.227		
3,400.00	3,298.28	3,349.43	3,160.01	18.15	19.92	52.08	-925.46	502.10	429.59	394.71	34.88	12.316		
3,500.00	3,394.48	3,448.08	3,250.40	18.72	20.61	51.77	-959.45	522.20	445.83	409.87	35.96	12.399		
3,600.00	3,490.67	3,546.72	3,340.80	19.28	21.29	51.48	-993.44	542.30	462.08	425.05	37.03	12.477		
3,700.00	3,586.86	3,645.37	3,431.19	19.84	21.98	51.21	-1,027.43	562.41	478.35	440.23	38.11	12.550		
3,800.00	3,683.06	3,744.01	3,521.59	20.41	22.66	50.95	-1,061.42	582.51	494.62	455.43	39.19	12.620		
3,900.00	3,779.25	3,842.65	3,611.98	20.97	23.35	50.71	-1,095.42	602.61	510.90	470.63	40.28	12.685		
4,000.00	3,875.44	3,941.30	3,702.38	21.54	24.04	50.49	-1,129.41	622.71	527.19	485.83	41.36	12.747		
4,100.00	3,971.64	4,039.94	3,792.77	22.11	24.72	50.28	-1,163.40	642.81	543.49	501.05	42.44	12.805		
4,200.00	4,067.83	4,138.59	3,883.16	22.67	25.41	50.08	-1,197.39	662.92	559.80	516.27	43.53	12.860		
4,300.00	4,164.02	4,237.23	3,973.56	23.24	26.10	49.90	-1,231.38	683.02	576.11	531.49	44.61	12.913		
4,400.00	4,260.22	4,335.88	4,063.95	23.81	26.79	49.72	-1,265.37	703.12	592.42	546.72	45.70	12.963		
4,500.00	4,356.41	4,434.52	4,154.35	24.37	27.48	49.55	-1,299.36	723.22	608.74	561.95	46.79	13.010		
4,600.00	4,452.60	4,533.16	4,244.74	24.94	28.18	49.40	-1,333.35	743.33	625.07	577.19	47.88	13.055		
4,700.00	4,548.79	4,631.81	4,335.14	25.51	28.87	49.25	-1,367.34	763.43	641.40	592.43	48.97	13.098		
4,800.00	4,644.99	4,730.45	4,425.53	26.08	29.56	49.10	-1,401.34	783.53	657.73	607.68	50.06	13.140		
4,900.00	4,741.18	4,829.10	4,515.93	26.65	30.25	48.97	-1,435.33	803.63	674.07	622.92	51.15	13.179		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.37	4,927.74	4,606.32	27.21	30.95	48.84	-1,469.32	823.73	690.41	638.17	52.24	13.216		
5,100.00	4,933.57	5,026.38	4,696.71	27.78	31.64	48.72	-1,503.31	843.84	706.76	653.43	53.33	13.252		
5,200.00	5,029.76	5,125.03	4,787.11	28.35	32.33	48.60	-1,537.30	863.94	723.11	668.68	54.42	13.286		
5,300.00	5,125.95	5,223.67	4,877.50	28.92	33.03	48.49	-1,571.29	884.04	739.46	683.94	55.52	13.319		
5,400.00	5,222.15	5,322.32	4,967.90	29.49	33.72	48.38	-1,605.28	904.14	755.81	699.20	56.61	13.351		
5,500.00	5,318.34	5,420.96	5,058.29	30.06	34.41	48.28	-1,639.27	924.25	772.17	714.46	57.71	13.381		
5,600.00	5,414.53	5,519.60	5,148.69	30.63	35.11	48.18	-1,673.26	944.35	788.52	729.73	58.80	13.410		
5,700.00	5,510.73	5,618.25	5,239.08	31.20	35.80	48.08	-1,707.26	964.45	804.89	744.99	59.89	13.438		
5,800.00	5,606.92	5,716.89	5,329.47	31.77	36.50	47.99	-1,741.25	984.55	821.25	760.26	60.99	13.465		
5,900.00	5,703.11	5,815.54	5,419.87	32.34	37.19	47.90	-1,775.24	1,004.66	837.61	775.53	62.09	13.491		
6,000.00	5,799.31	5,914.18	5,510.26	32.91	37.89	47.82	-1,809.23	1,024.76	853.98	790.80	63.18	13.516		
6,100.00	5,895.50	6,012.82	5,600.66	33.48	38.59	47.74	-1,843.22	1,044.86	870.35	806.07	64.28	13.540		
6,200.00	5,991.69	6,111.47	5,691.05	34.05	39.28	47.66	-1,877.21	1,064.96	886.72	821.34	65.37	13.564		
6,300.00	6,087.89	6,210.11	5,781.45	34.62	39.98	47.59	-1,911.20	1,085.06	903.09	836.62	66.47	13.586		
6,400.00	6,184.08	6,308.76	5,871.84	35.19	40.67	47.51	-1,945.19	1,105.17	919.46	851.89	67.57	13.608		
6,500.00	6,280.27	6,407.40	5,962.24	35.77	41.37	47.44	-1,979.18	1,125.27	935.83	867.17	68.67	13.629		
6,535.30	6,314.23	6,442.22	5,994.15	35.97	41.62	47.42	-1,991.18	1,132.37	941.61	872.56	69.05	13.636		
6,550.00	6,328.40	6,456.72	6,007.43	36.05	41.72	44.19	-1,996.18	1,135.32	944.02	874.81	69.21	13.640		
6,600.00	6,377.01	6,505.91	6,052.51	36.31	42.07	29.48	-2,013.13	1,145.34	952.13	882.43	69.70	13.660		
6,650.00	6,426.00	6,554.68	6,097.19	36.54	42.41	8.76	-2,029.93	1,155.28	960.15	890.04	70.12	13.694		
6,700.00	6,475.08	6,602.72	6,141.22	36.73	42.75	-14.05	-2,046.49	1,165.07	968.12	897.66	70.46	13.740		
6,750.00	6,523.94	6,649.74	6,184.31	36.90	43.08	-32.80	-2,062.69	1,174.65	976.12	905.38	70.74	13.798		
6,800.00	6,572.28	6,695.45	6,226.20	37.05	43.40	-45.87	-2,078.44	1,183.97	984.26	913.29	70.97	13.868		
6,850.00	6,619.81	6,740.68	6,267.76	37.19	43.72	-54.75	-2,094.07	1,192.55	992.68	921.50	71.18	13.945		
6,900.00	6,666.23	6,787.49	6,311.23	37.32	44.01	-60.93	-2,110.40	1,198.32	1,001.40	929.98	71.42	14.021		
6,950.00	6,711.25	6,836.01	6,356.60	37.46	44.29	-65.43	-2,127.41	1,200.67	1,010.36	938.66	71.69	14.093		
7,000.00	6,754.60	6,886.47	6,403.82	37.61	44.53	-68.86	-2,145.11	1,199.20	1,019.50	947.50	72.01	14.159		
7,050.00	6,796.01	6,939.14	6,452.83	37.77	44.75	-71.57	-2,163.46	1,193.41	1,028.77	956.41	72.36	14.217		
7,100.00	6,835.22	6,994.29	6,503.50	37.94	44.93	-73.79	-2,182.40	1,182.74	1,038.08	965.31	72.77	14.266		
7,150.00	6,871.99	7,052.24	6,555.60	38.12	45.09	-75.66	-2,201.85	1,166.53	1,047.34	974.12	73.22	14.305		
7,200.00	6,906.10	7,113.31	6,608.78	38.34	45.23	-77.27	-2,221.68	1,144.05	1,056.44	982.73	73.71	14.332		
7,250.00	6,937.34	7,177.83	6,662.51	38.57	45.35	-78.69	-2,241.67	1,114.51	1,065.26	991.00	74.26	14.344		
7,300.00	6,965.51	7,246.09	6,716.01	38.84	45.48	-79.95	-2,261.54	1,077.12	1,073.66	998.79	74.88	14.339		
7,350.00	6,990.44	7,318.33	6,768.21	39.14	45.61	-81.07	-2,280.88	1,031.13	1,081.49	1,005.91	75.58	14.309		
7,400.00	7,011.97	7,394.70	6,817.72	39.47	45.76	-82.06	-2,299.16	976.01	1,088.58	1,012.16	76.42	14.245		
7,450.00	7,029.98	7,475.14	6,862.81	39.85	45.95	-82.91	-2,315.74	911.55	1,094.75	1,017.31	77.45	14.135		
7,500.00	7,044.34	7,559.39	6,901.50	40.26	46.20	-83.61	-2,329.88	838.12	1,099.84	1,021.12	78.72	13.972		
7,550.00	7,054.99	7,646.90	6,931.72	40.72	46.53	-84.13	-2,340.80	756.80	1,103.68	1,023.37	80.31	13.743		
7,600.00	7,061.83	7,736.81	6,951.61	41.21	46.97	-84.45	-2,347.81	669.47	1,106.15	1,023.93	82.22	13.454		
7,650.00	7,064.85	7,828.04	6,959.82	41.73	47.51	-84.56	-2,350.44	578.73	1,107.16	1,022.76	84.40	13.119		
7,661.89	7,065.00	7,849.79	6,959.98	41.86	47.65	-84.56	-2,350.38	556.98	1,107.18	1,022.24	84.94	13.035		
7,662.44	7,065.00	7,850.80	6,959.97	41.86	47.66	-84.56	-2,350.38	555.97	1,107.18	1,022.21	84.97	13.031		
7,700.00	7,065.13	7,884.41	6,960.11	42.28	47.90	-84.56	-2,350.26	522.36	1,107.23	1,021.39	85.84	12.899		
7,800.00	7,065.47	7,984.41	6,960.36	43.53	48.72	-84.55	-2,349.85	422.36	1,107.35	1,018.72	88.63	12.494		
7,900.00	7,065.82	8,084.41	6,960.61	44.94	49.70	-84.55	-2,349.44	322.37	1,107.48	1,015.79	91.69	12.079		
8,000.00	7,066.16	8,184.41	6,960.87	46.50	50.86	-84.55	-2,349.03	222.37	1,107.60	1,012.61	94.99	11.660		
8,100.00	7,066.50	8,284.41	6,961.12	48.19	52.19	-84.54	-2,348.62	122.37	1,107.72	1,009.21	98.51	11.245		
8,200.00	7,066.85	8,384.41	6,961.37	50.00	53.69	-84.54	-2,348.21	22.37	1,107.85	1,005.62	102.23	10.837		
8,300.00	7,067.19	8,484.41	6,961.62	51.91	55.32	-84.53	-2,347.80	-77.63	1,107.97	1,001.85	106.12	10.441		
8,400.00	7,067.54	8,584.41	6,961.87	53.92	57.09	-84.53	-2,347.39	-177.63	1,108.09	997.92	110.17	10.058		
8,500.00	7,067.88	8,684.41	6,962.13	56.01	58.97	-84.52	-2,346.98	-277.63	1,108.22	993.85	114.36	9.690		
8,600.00	7,068.22	8,784.41	6,962.38	58.16	60.95	-84.52	-2,346.57	-377.63	1,108.34	989.66	118.68	9.339		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	8,884.41	6,962.63	60.38	63.01	-84.52	-2,346.16	-477.62	1,108.46	985.36	123.11	9.004		
8,800.00	7,068.91	8,984.41	6,962.88	62.65	65.15	-84.51	-2,345.75	-577.62	1,108.59	980.95	127.64	8.686		
8,900.00	7,069.25	9,084.41	6,963.13	64.97	67.35	-84.51	-2,345.34	-677.62	1,108.71	976.45	132.26	8.383		
9,000.00	7,069.60	9,184.41	6,963.38	67.34	69.61	-84.50	-2,344.93	-777.62	1,108.83	971.88	136.96	8.096		
9,100.00	7,069.94	9,284.41	6,963.64	69.74	71.92	-84.50	-2,344.53	-877.62	1,108.96	967.22	141.73	7.824		
9,200.00	7,070.28	9,384.41	6,963.89	72.18	74.27	-84.50	-2,344.12	-977.62	1,109.08	962.51	146.57	7.567		
9,300.00	7,070.63	9,484.41	6,964.14	74.65	76.67	-84.49	-2,343.71	-1,077.62	1,109.20	957.73	151.47	7.323		
9,400.00	7,070.97	9,584.41	6,964.39	77.15	79.10	-84.49	-2,343.30	-1,177.62	1,109.33	952.90	156.42	7.092		
9,500.00	7,071.32	9,684.41	6,964.64	79.67	81.56	-84.48	-2,342.89	-1,277.61	1,109.45	948.02	161.43	6.873		
9,600.00	7,071.66	9,784.41	6,964.90	82.22	84.04	-84.48	-2,342.48	-1,377.61	1,109.57	943.10	166.47	6.665		
9,700.00	7,072.00	9,884.41	6,965.15	84.78	86.56	-84.47	-2,342.07	-1,477.61	1,109.69	938.13	171.56	6.468		
9,800.00	7,072.35	9,984.41	6,965.40	87.37	89.09	-84.47	-2,341.66	-1,577.61	1,109.82	933.13	176.69	6.281		
9,900.00	7,072.69	10,084.41	6,965.65	89.97	91.65	-84.47	-2,341.25	-1,677.61	1,109.94	928.10	181.85	6.104		
10,000.00	7,073.03	10,184.41	6,965.90	92.59	94.22	-84.46	-2,340.84	-1,777.61	1,110.06	923.03	187.04	5.935		
10,100.00	7,073.38	10,284.41	6,966.16	95.22	96.82	-84.46	-2,340.43	-1,877.61	1,110.19	917.93	192.25	5.775		
10,200.00	7,073.72	10,384.41	6,966.41	97.86	99.42	-84.45	-2,340.02	-1,977.60	1,110.31	912.81	197.50	5.622		
10,300.00	7,074.07	10,484.41	6,966.66	100.52	102.05	-84.45	-2,339.61	-2,077.60	1,110.43	907.66	202.77	5.476		
10,400.00	7,074.41	10,584.41	6,966.91	103.19	104.68	-84.45	-2,339.20	-2,177.60	1,110.56	902.50	208.06	5.338		
10,500.00	7,074.75	10,684.41	6,967.16	105.87	107.33	-84.44	-2,338.79	-2,277.60	1,110.68	897.31	213.37	5.205		
10,600.00	7,075.10	10,784.41	6,967.41	108.55	109.99	-84.44	-2,338.38	-2,377.60	1,110.80	892.10	218.71	5.079		
10,700.00	7,075.44	10,884.41	6,967.67	111.25	112.66	-84.43	-2,337.97	-2,477.60	1,110.93	886.87	224.06	4.958		
10,800.00	7,075.78	10,984.41	6,967.92	113.96	115.34	-84.43	-2,337.56	-2,577.60	1,111.05	881.63	229.42	4.843		
10,900.00	7,076.13	11,084.41	6,968.17	116.67	118.03	-84.42	-2,337.15	-2,677.60	1,111.17	876.37	234.81	4.732		
11,000.00	7,076.47	11,184.41	6,968.42	119.39	120.73	-84.42	-2,336.74	-2,777.59	1,111.30	871.10	240.20	4.627		
11,100.00	7,076.81	11,284.41	6,968.67	122.11	123.43	-84.42	-2,336.33	-2,877.59	1,111.42	865.81	245.61	4.525		
11,200.00	7,077.16	11,384.41	6,968.93	124.85	126.14	-84.41	-2,335.92	-2,977.59	1,111.54	860.51	251.03	4.428		
11,300.00	7,077.50	11,484.41	6,969.18	127.58	128.86	-84.41	-2,335.52	-3,077.59	1,111.67	855.20	256.47	4.335		
11,400.00	7,077.85	11,584.41	6,969.43	130.33	131.58	-84.40	-2,335.11	-3,177.59	1,111.79	849.88	261.91	4.245		
11,500.00	7,078.19	11,684.41	6,969.68	133.08	134.31	-84.40	-2,334.70	-3,277.59	1,111.91	844.54	267.37	4.159		
11,600.00	7,078.53	11,784.41	6,969.93	135.83	137.05	-84.40	-2,334.29	-3,377.59	1,112.04	839.20	272.84	4.076		
11,700.00	7,078.88	11,884.41	6,970.19	138.59	139.79	-84.39	-2,333.88	-3,477.59	1,112.16	833.85	278.31	3.996		
11,800.00	7,079.22	11,984.41	6,970.44	141.35	142.54	-84.39	-2,333.47	-3,577.58	1,112.28	828.49	283.79	3.919		
11,900.00	7,079.56	12,084.41	6,970.69	144.11	145.29	-84.38	-2,333.06	-3,677.58	1,112.41	823.12	289.29	3.845		
12,000.00	7,079.91	12,184.41	6,970.94	146.88	148.04	-84.38	-2,332.65	-3,777.58	1,112.53	817.75	294.78	3.774		
12,100.00	7,080.25	12,284.41	6,971.19	149.66	150.80	-84.38	-2,332.24	-3,877.58	1,112.65	812.36	300.29	3.705		
12,200.00	7,080.60	12,384.41	6,971.44	152.43	153.57	-84.37	-2,331.83	-3,977.58	1,112.78	806.97	305.80	3.639		
12,300.00	7,080.94	12,484.41	6,971.70	155.21	156.33	-84.37	-2,331.42	-4,077.58	1,112.90	801.58	311.32	3.575		
12,400.00	7,081.28	12,584.41	6,971.95	157.99	159.10	-84.36	-2,331.01	-4,177.58	1,113.02	796.17	316.85	3.513		
12,500.00	7,081.63	12,684.41	6,972.20	160.78	161.88	-84.36	-2,330.60	-4,277.58	1,113.15	790.77	322.38	3.453		
12,600.00	7,081.97	12,784.41	6,972.45	163.57	164.65	-84.35	-2,330.19	-4,377.57	1,113.27	785.35	327.92	3.395		
12,700.00	7,082.31	12,884.41	6,972.70	166.36	167.43	-84.35	-2,329.78	-4,477.57	1,113.40	779.93	333.46	3.339		
12,800.00	7,082.66	12,984.41	6,972.96	169.15	170.21	-84.35	-2,329.37	-4,577.57	1,113.52	774.51	339.01	3.285		
12,900.00	7,083.00	13,002.01	6,973.00	171.94	170.70	-84.35	-2,329.30	-4,595.17	1,116.69	775.92	340.77	3.277 SF		
13,000.00	7,083.35	13,002.01	6,973.00	174.74	170.70	-84.35	-2,329.30	-4,595.17	1,128.60	789.20	339.40	3.325		
13,100.00	7,083.69	13,002.01	6,973.00	177.54	170.70	-84.35	-2,329.30	-4,595.17	1,149.13	813.46	335.67	3.423		
13,200.00	7,084.03	13,002.01	6,973.00	180.34	170.70	-84.35	-2,329.30	-4,595.17	1,177.82	847.90	329.92	3.570		
13,300.00	7,084.38	13,002.01	6,973.00	183.14	170.70	-84.35	-2,329.30	-4,595.17	1,214.09	891.53	322.55	3.764		
13,400.00	7,084.72	13,002.01	6,973.00	185.95	170.70	-84.35	-2,329.30	-4,595.17	1,257.28	943.27	314.01	4.004		
13,500.00	7,085.06	13,002.01	6,973.00	188.76	170.70	-84.35	-2,329.30	-4,595.17	1,306.72	1,002.03	304.69	4.289		
13,600.00	7,085.41	13,002.01	6,973.00	191.56	170.70	-84.35	-2,329.30	-4,595.17	1,361.72	1,066.75	294.97	4.616		
13,700.00	7,085.75	13,002.01	6,973.00	194.37	170.70	-84.35	-2,329.30	-4,595.17	1,421.63	1,136.51	285.12	4.986		
13,800.00	7,086.09	13,002.01	6,973.00	197.18	170.70	-84.35	-2,329.30	-4,595.17	1,485.86	1,210.49	275.37	5.396		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	13,002.01	6,973.00	200.00	170.70	-84.35	-2,329.30	-4,595.17	1,553.88	1,288.00	265.88	5.844		
14,000.00	7,086.78	13,002.01	6,973.00	202.81	170.70	-84.35	-2,329.30	-4,595.17	1,625.20	1,368.45	256.75	6.330		
14,100.00	7,087.13	13,002.01	6,973.00	205.63	170.70	-84.35	-2,329.30	-4,595.17	1,699.42	1,451.37	248.06	6.851		
14,200.00	7,087.47	13,002.01	6,973.00	208.44	170.70	-84.35	-2,329.30	-4,595.17	1,776.17	1,536.34	239.83	7.406		
14,300.00	7,087.81	13,002.01	6,973.00	211.26	170.70	-84.35	-2,329.30	-4,595.17	1,855.14	1,623.06	232.08	7.993		
14,400.00	7,088.16	13,002.01	6,973.00	214.08	170.70	-84.35	-2,329.30	-4,595.17	1,936.05	1,711.24	224.82	8.612		
14,500.00	7,088.50	13,002.01	6,973.00	216.90	170.70	-84.35	-2,329.30	-4,595.17	2,018.68	1,800.66	218.02	9.259		
14,600.00	7,088.84	13,002.01	6,973.00	219.72	170.70	-84.35	-2,329.30	-4,595.17	2,102.81	1,891.15	211.66	9.935		
14,700.00	7,089.19	13,002.01	6,973.00	222.54	170.70	-84.35	-2,329.30	-4,595.17	2,188.28	1,982.55	205.73	10.636		
14,800.00	7,089.53	13,002.01	6,973.00	225.37	170.70	-84.35	-2,329.30	-4,595.17	2,274.93	2,074.73	200.20	11.363		
14,900.00	7,089.88	13,002.01	6,973.00	228.19	170.70	-84.35	-2,329.30	-4,595.17	2,362.64	2,167.60	195.04	12.113		
15,000.00	7,090.22	13,002.01	6,973.00	231.02	170.70	-84.35	-2,329.30	-4,595.17	2,451.29	2,261.06	190.23	12.886		
15,100.00	7,090.56	13,002.01	6,973.00	233.84	170.70	-84.35	-2,329.30	-4,595.17	2,540.78	2,355.04	185.74	13.679		
15,200.00	7,090.91	13,002.01	6,973.00	236.67	170.70	-84.35	-2,329.30	-4,595.17	2,631.03	2,449.49	181.55	14.492		
15,227.29	7,091.00	13,002.01	6,973.00	237.44	170.70	-84.35	-2,329.30	-4,595.17	2,655.78	2,475.33	180.45	14.717		
15,300.00	7,091.25	13,002.01	6,973.00	239.49	170.70	-84.64	-2,329.30	-4,595.17	2,721.58	2,544.03	177.55	15.328		
15,326.57	7,091.35	13,002.01	6,973.00	240.24	170.70	-84.75	-2,329.30	-4,595.17	2,745.52	2,569.03	176.49	15.556		
15,400.00	7,091.60	13,002.01	6,973.00	242.30	170.70	-84.75	-2,329.30	-4,595.17	2,811.78	2,638.16	173.61	16.196		
15,500.00	7,091.96	13,002.01	6,973.00	245.12	170.70	-84.75	-2,329.30	-4,595.17	2,902.56	2,732.64	169.92	17.082		
15,600.00	7,092.31	13,002.01	6,973.00	247.93	170.70	-84.75	-2,329.30	-4,595.17	2,993.94	2,827.48	166.46	17.986		
15,700.00	7,092.66	13,002.01	6,973.00	250.75	170.70	-84.75	-2,329.30	-4,595.17	3,085.84	2,922.64	163.21	18.907		
15,800.00	7,093.01	13,002.01	6,973.00	253.56	170.70	-84.75	-2,329.30	-4,595.17	3,178.24	3,018.08	160.16	19.844		
15,900.00	7,093.36	13,002.01	6,973.00	256.38	170.70	-84.75	-2,329.30	-4,595.17	3,271.09	3,113.78	157.30	20.795		
16,000.00	7,093.71	13,002.01	6,973.00	259.20	170.70	-84.75	-2,329.30	-4,595.17	3,364.34	3,209.72	154.62	21.759		
16,100.00	7,094.07	13,002.01	6,973.00	262.02	170.70	-84.75	-2,329.30	-4,595.17	3,457.97	3,305.88	152.09	22.736		
16,200.00	7,094.42	13,002.01	6,973.00	264.84	170.70	-84.75	-2,329.30	-4,595.17	3,551.95	3,402.24	149.72	23.725		
16,300.00	7,094.77	13,002.01	6,973.00	267.65	170.70	-84.75	-2,329.30	-4,595.17	3,646.25	3,498.77	147.48	24.724		
16,400.00	7,095.12	13,002.01	6,973.00	270.47	170.70	-84.75	-2,329.30	-4,595.17	3,740.85	3,595.47	145.37	25.733		
16,500.00	7,095.47	13,002.01	6,973.00	273.30	170.70	-84.75	-2,329.30	-4,595.17	3,835.71	3,692.33	143.38	26.752		
16,600.00	7,095.82	13,002.01	6,973.00	276.12	170.70	-84.75	-2,329.30	-4,595.17	3,930.84	3,789.33	141.51	27.778		
16,700.00	7,096.18	13,002.01	6,973.00	278.94	170.70	-84.75	-2,329.30	-4,595.17	4,026.20	3,886.46	139.74	28.813		
16,800.00	7,096.53	13,002.01	6,973.00	281.76	170.70	-84.75	-2,329.30	-4,595.17	4,121.78	3,983.72	138.06	29.854		
16,900.00	7,096.88	13,002.01	6,973.00	284.58	170.70	-84.75	-2,329.30	-4,595.17	4,217.56	4,081.08	136.48	30.902		
17,000.00	7,097.23	13,002.01	6,973.00	287.41	170.70	-84.75	-2,329.30	-4,595.17	4,313.54	4,178.55	134.98	31.956		
17,100.00	7,097.58	13,002.01	6,973.00	290.23	170.70	-84.75	-2,329.30	-4,595.17	4,409.70	4,276.13	133.57	33.015		
17,200.00	7,097.93	13,002.01	6,973.00	293.06	170.70	-84.75	-2,329.30	-4,595.17	4,506.02	4,373.79	132.23	34.078		
17,300.00	7,098.29	13,002.01	6,973.00	295.88	170.70	-84.75	-2,329.30	-4,595.17	4,602.50	4,471.54	130.95	35.146		
17,400.00	7,098.64	13,002.01	6,973.00	298.71	170.70	-84.75	-2,329.30	-4,595.17	4,699.12	4,569.38	129.75	36.217		
17,500.00	7,098.99	13,002.01	6,973.00	301.53	170.70	-84.75	-2,329.30	-4,595.17	4,795.89	4,667.28	128.60	37.292		
17,600.00	7,099.34	13,002.01	6,973.00	304.36	170.70	-84.75	-2,329.30	-4,595.17	4,892.78	4,765.27	127.52	38.370		
17,700.00	7,099.69	13,002.01	6,973.00	307.19	170.70	-84.75	-2,329.30	-4,595.17	4,989.80	4,863.32	126.49	39.450		
17,800.00	7,100.04	13,002.01	6,973.00	310.01	170.70	-84.75	-2,329.30	-4,595.17	5,086.93	4,961.43	125.50	40.532		
17,900.00	7,100.40	13,002.01	6,973.00	312.84	170.70	-84.75	-2,329.30	-4,595.17	5,184.18	5,059.60	124.57	41.616		
18,000.00	7,100.75	13,002.01	6,973.00	315.67	170.70	-84.75	-2,329.30	-4,595.17	5,281.52	5,157.84	123.69	42.701		
18,100.00	7,101.10	13,002.01	6,973.00	318.50	170.70	-84.75	-2,329.30	-4,595.17	5,378.96	5,256.12	122.84	43.788		
18,200.00	7,101.45	13,002.01	6,973.00	321.33	170.70	-84.75	-2,329.30	-4,595.17	5,476.50	5,354.46	122.04	44.875		
18,300.00	7,101.80	13,002.01	6,973.00	324.16	170.70	-84.75	-2,329.30	-4,595.17	5,574.12	5,452.85	121.27	45.963		
18,400.00	7,102.16	13,002.01	6,973.00	326.99	170.70	-84.75	-2,329.30	-4,595.17	5,671.83	5,551.28	120.54	47.052		
18,500.00	7,102.51	13,002.01	6,973.00	329.82	170.70	-84.75	-2,329.30	-4,595.17	5,769.61	5,649.76	119.85	48.140		
18,600.00	7,102.86	13,002.01	6,973.00	332.65	170.70	-84.75	-2,329.30	-4,595.17	5,867.47	5,748.28	119.19	49.229		
18,700.00	7,103.21	13,002.01	6,973.00	335.48	170.70	-84.75	-2,329.30	-4,595.17	5,965.40	5,846.84	118.56	50.317		
18,800.00	7,103.56	13,002.01	6,973.00	338.31	170.70	-84.75	-2,329.30	-4,595.17	6,063.39	5,945.44	117.95	51.404		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,900.00	7,103.91	13,002.01	6,973.00	341.14	170.70	-84.75	-2,329.30	-4,595.17	6,161.45	6,044.07	117.38	52.491	
18,924.52	7,104.00	13,002.01	6,973.00	341.83	170.70	-84.75	-2,329.30	-4,595.17	6,185.50	6,068.26	117.24	52.758	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.47	-89.98	-0.83	89.98					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-89.98	-0.83	89.98	83.41	6.57	13.697		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-89.98	-0.83	89.98	83.31	6.67	13.483 CC, ES		
300.00	299.98	297.32	297.30	3.44	3.44	47.82	-91.43	-0.05	90.29	83.41	6.89	13.115		
400.00	399.84	394.62	394.48	3.59	3.58	48.66	-95.80	2.30	91.24	84.04	7.20	12.673		
500.00	499.45	491.90	491.39	3.80	3.78	50.02	-103.06	6.21	92.86	85.25	7.61	12.200		
600.00	598.70	589.13	587.93	4.04	4.01	51.84	-113.21	11.68	95.21	87.10	8.11	11.746		
700.00	697.47	686.30	683.97	4.32	4.28	54.04	-126.23	18.70	98.36	89.69	8.67	11.343		
800.00	795.62	783.39	779.37	4.65	4.59	56.53	-142.09	27.25	102.41	93.11	9.30	11.010		
900.00	893.06	880.40	874.02	5.02	4.93	59.21	-160.77	37.32	107.42	97.43	9.99	10.753		
993.00	982.91	970.53	961.27	5.39	5.29	61.79	-180.65	48.03	113.00	102.32	10.69	10.574		
1,000.00	989.65	977.31	967.81	5.42	5.31	61.99	-182.24	48.89	113.46	102.72	10.74	10.564		
1,100.00	1,085.84	1,074.10	1,060.60	5.86	5.73	64.07	-206.46	61.94	121.45	109.90	11.55	10.516		
1,200.00	1,182.03	1,170.62	1,152.16	6.32	6.18	64.83	-233.35	76.43	131.85	119.45	12.40	10.633		
1,300.00	1,278.22	1,266.65	1,242.17	6.79	6.67	64.53	-262.78	92.28	144.54	131.26	13.28	10.883		
1,400.00	1,374.42	1,361.97	1,330.37	7.28	7.19	63.44	-294.60	109.43	159.53	145.35	14.18	11.250		
1,500.00	1,470.61	1,458.68	1,418.78	7.79	7.75	61.89	-329.10	128.03	176.56	161.46	15.11	11.686		
1,600.00	1,566.80	1,557.06	1,508.59	8.30	8.34	60.51	-364.46	147.08	193.95	177.87	16.07	12.066		
1,700.00	1,663.00	1,655.44	1,598.40	8.82	8.95	59.37	-399.82	166.14	211.42	194.37	17.06	12.395		
1,800.00	1,759.19	1,753.82	1,688.20	9.34	9.58	58.39	-435.18	185.19	228.97	210.91	18.05	12.683		
1,900.00	1,855.38	1,852.20	1,778.01	9.87	10.21	57.56	-470.54	204.25	246.57	227.50	19.06	12.934		
2,000.00	1,951.58	1,950.58	1,867.81	10.41	10.85	56.84	-505.90	223.30	264.21	244.13	20.08	13.156		
2,100.00	2,047.77	2,048.96	1,957.62	10.95	11.50	56.21	-541.26	242.36	281.89	260.78	21.11	13.352		
2,200.00	2,143.96	2,147.34	2,047.43	11.49	12.16	55.65	-576.62	261.42	299.59	277.45	22.15	13.526		
2,300.00	2,240.16	2,245.72	2,137.23	12.04	12.82	55.15	-611.99	280.47	317.33	294.13	23.19	13.682		
2,400.00	2,336.35	2,344.10	2,227.04	12.58	13.48	54.71	-647.35	299.53	335.08	310.84	24.24	13.822		
2,500.00	2,432.54	2,442.48	2,316.85	13.13	14.15	54.31	-682.71	318.58	352.85	327.55	25.30	13.948		
2,600.00	2,528.74	2,540.86	2,406.65	13.69	14.83	53.95	-718.07	337.64	370.63	344.28	26.36	14.061		
2,700.00	2,624.93	2,639.24	2,496.46	14.24	15.50	53.63	-753.43	356.69	388.43	361.01	27.42	14.165		
2,800.00	2,721.12	2,737.63	2,586.27	14.80	16.18	53.33	-788.79	375.75	406.24	377.75	28.49	14.259		
2,900.00	2,817.32	2,836.01	2,676.07	15.35	16.86	53.06	-824.15	394.81	424.06	394.50	29.56	14.345		
3,000.00	2,913.51	2,934.39	2,765.88	15.91	17.54	52.80	-859.51	413.86	441.89	411.25	30.64	14.424		
3,100.00	3,009.70	3,032.77	2,855.68	16.47	18.22	52.57	-894.87	432.92	459.72	428.01	31.71	14.496		
3,200.00	3,105.90	3,131.15	2,945.49	17.03	18.91	52.36	-930.23	451.97	477.56	444.77	32.79	14.563		
3,300.00	3,202.09	3,229.53	3,035.30	17.59	19.59	52.16	-965.59	471.03	495.41	461.54	33.87	14.625		
3,400.00	3,298.28	3,327.91	3,125.10	18.15	20.28	51.97	-1,000.95	490.09	513.27	478.31	34.96	14.682		
3,500.00	3,394.48	3,426.29	3,214.91	18.72	20.97	51.80	-1,036.32	509.14	531.12	495.08	36.04	14.735		
3,600.00	3,490.67	3,524.67	3,304.72	19.28	21.66	51.64	-1,071.68	528.20	548.99	511.85	37.13	14.785		
3,700.00	3,586.86	3,623.05	3,394.52	19.84	22.35	51.49	-1,107.04	547.25	566.85	528.63	38.22	14.831		
3,800.00	3,683.06	3,721.43	3,484.33	20.41	23.04	51.35	-1,142.40	566.31	584.72	545.41	39.31	14.875		
3,900.00	3,779.25	3,819.81	3,574.14	20.97	23.73	51.21	-1,177.76	585.36	602.60	562.19	40.40	14.915		
4,000.00	3,875.44	3,918.19	3,663.94	21.54	24.43	51.09	-1,213.12	604.42	620.47	578.98	41.49	14.953		
4,100.00	3,971.64	4,016.57	3,753.75	22.11	25.12	50.97	-1,248.48	623.48	638.35	595.76	42.59	14.989		
4,200.00	4,067.83	4,114.95	3,843.55	22.67	25.82	50.85	-1,283.84	642.53	656.23	612.55	43.68	15.023		
4,300.00	4,164.02	4,213.33	3,933.36	23.24	26.51	50.75	-1,319.20	661.59	674.12	629.34	44.78	15.054		
4,400.00	4,260.22	4,311.71	4,023.17	23.81	27.20	50.65	-1,354.56	680.64	692.00	646.13	45.88	15.084		
4,500.00	4,356.41	4,410.09	4,112.97	24.37	27.90	50.55	-1,389.92	699.70	709.89	662.92	46.97	15.113		
4,600.00	4,452.60	4,508.47	4,202.78	24.94	28.60	50.46	-1,425.28	718.75	727.78	679.71	48.07	15.140		
4,700.00	4,548.79	4,606.85	4,292.59	25.51	29.29	50.37	-1,460.65	737.81	745.67	696.50	49.17	15.165		
4,800.00	4,644.99	4,705.23	4,382.39	26.08	29.99	50.29	-1,496.01	756.87	763.56	713.29	50.27	15.189		
4,900.00	4,741.18	4,803.61	4,472.20	26.65	30.69	50.21	-1,531.37	775.92	781.46	730.09	51.37	15.212		
5,000.00	4,837.37	4,901.99	4,562.01	27.21	31.38	50.14	-1,566.73	794.98	799.35	746.88	52.47	15.234		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,000.37	4,651.81	27.78	32.08	50.06	-1,602.09	814.03	817.25	763.68	53.57	15.255		
5,200.00	5,029.76	5,101.25	4,741.62	28.35	32.80	50.00	-1,637.45	833.09	835.15	780.46	54.69	15.271		
5,300.00	5,125.95	5,197.13	4,831.42	28.92	33.48	49.93	-1,672.81	852.15	853.05	797.27	55.78	15.294		
5,400.00	5,222.15	5,304.49	4,921.23	29.49	34.24	49.87	-1,708.17	871.20	870.95	814.02	56.93	15.298		
5,500.00	5,318.34	5,393.89	5,011.04	30.06	34.87	49.81	-1,743.53	890.26	888.85	830.87	57.98	15.329		
5,600.00	5,414.53	5,507.73	5,100.84	30.63	35.68	49.75	-1,778.89	909.31	906.75	847.57	59.18	15.322		
5,700.00	5,510.73	5,609.34	5,190.65	31.20	36.41	49.69	-1,814.25	928.37	924.66	864.35	60.30	15.333		
5,800.00	5,606.92	5,689.04	5,280.46	31.77	36.97	49.64	-1,849.62	947.42	942.56	881.26	61.30	15.377		
5,900.00	5,703.11	5,787.42	5,370.26	32.34	37.67	49.58	-1,884.98	966.48	960.47	898.06	62.40	15.392		
6,000.00	5,799.31	5,885.80	5,460.07	32.91	38.37	49.53	-1,920.34	985.54	978.37	914.86	63.51	15.406		
6,100.00	5,895.50	5,984.18	5,549.87	33.48	39.07	49.49	-1,955.70	1,004.59	996.28	931.67	64.61	15.419		
6,200.00	5,991.69	6,082.56	5,639.68	34.05	39.77	49.44	-1,991.06	1,023.65	1,014.18	948.47	65.72	15.432		
6,300.00	6,087.89	6,180.94	5,729.49	34.62	40.47	49.39	-2,026.42	1,042.70	1,032.09	965.27	66.82	15.445		
6,400.00	6,184.08	6,279.32	5,819.29	35.19	41.17	49.35	-2,061.78	1,061.76	1,050.00	982.07	67.93	15.457		
6,500.00	6,280.27	6,377.70	5,909.10	35.77	41.87	49.31	-2,097.14	1,080.81	1,067.91	998.87	69.04	15.468		
6,535.30	6,314.23	6,412.43	5,940.80	35.97	42.12	49.29	-2,109.62	1,087.54	1,074.23	1,004.80	69.43	15.472		
6,550.00	6,328.40	6,426.89	5,954.00	36.05	42.22	46.09	-2,114.82	1,090.34	1,076.85	1,007.27	69.59	15.475		
6,600.00	6,377.01	6,475.98	5,998.81	36.31	42.57	31.48	-2,132.46	1,099.85	1,085.63	1,015.55	70.09	15.490		
6,650.00	6,426.00	6,524.68	6,043.27	36.54	42.92	10.87	-2,149.97	1,109.28	1,094.18	1,023.66	70.51	15.517		
6,700.00	6,475.08	6,572.70	6,087.11	36.73	43.26	-11.83	-2,167.23	1,118.59	1,102.51	1,031.64	70.88	15.555		
6,750.00	6,523.94	6,619.74	6,130.05	36.90	43.60	-30.45	-2,184.14	1,127.70	1,110.70	1,039.52	71.18	15.604		
6,800.00	6,572.28	6,665.51	6,171.82	37.05	43.92	-43.39	-2,200.59	1,136.56	1,118.84	1,047.40	71.44	15.661		
6,850.00	6,619.81	6,709.72	6,212.19	37.19	44.24	-52.15	-2,216.48	1,145.13	1,127.04	1,055.38	71.66	15.728		
6,900.00	6,666.23	6,752.11	6,250.88	37.32	44.54	-58.27	-2,231.72	1,153.34	1,135.46	1,063.62	71.85	15.804		
6,950.00	6,711.25	6,807.59	6,287.67	37.46	44.93	-62.73	-2,246.20	1,161.14	1,144.26	1,072.17	72.10	15.871		
7,000.00	6,754.60	6,830.38	6,322.33	37.61	45.10	-66.08	-2,259.85	1,168.50	1,153.61	1,081.46	72.15	15.989		
7,050.00	6,796.01	6,865.78	6,354.65	37.77	45.35	-68.65	-2,272.57	1,175.35	1,163.67	1,091.39	72.28	16.099		
7,100.00	6,835.22	6,898.39	6,384.42	37.94	45.58	-70.60	-2,284.29	1,181.67	1,174.61	1,102.21	72.40	16.224		
7,150.00	6,871.99	6,928.06	6,411.50	38.12	45.79	-72.03	-2,294.96	1,187.42	1,186.57	1,114.05	72.52	16.362		
7,200.00	6,906.10	6,968.04	6,448.20	38.34	46.06	-73.54	-2,309.40	1,193.92	1,199.53	1,126.72	72.81	16.475		
7,250.00	6,937.34	7,011.36	6,488.31	38.57	46.34	-74.89	-2,325.17	1,198.15	1,213.35	1,140.16	73.18	16.579		
7,300.00	6,965.51	7,059.28	6,532.89	38.84	46.61	-76.16	-2,342.67	1,199.40	1,227.94	1,154.30	73.64	16.675		
7,350.00	6,990.44	7,113.77	6,583.53	39.14	46.87	-77.46	-2,362.53	1,196.45	1,243.20	1,169.05	74.16	16.764		
7,400.00	7,011.97	7,178.03	6,642.70	39.47	47.12	-78.93	-2,385.70	1,187.01	1,258.97	1,184.24	74.73	16.846		
7,450.00	7,029.98	7,257.47	6,714.15	39.85	47.37	-80.74	-2,413.62	1,166.57	1,274.97	1,199.64	75.32	16.926		
7,500.00	7,044.34	7,300.00	6,781.05	40.26	47.88	-82.24	-2,439.70	1,137.14	1,290.63	1,214.18	76.45	16.881		
7,550.00	7,054.99	7,307.26	6,915.01	40.72	47.84	-86.36	-2,491.73	1,043.49	1,305.25	1,228.81	76.44	17.076		
7,600.00	7,061.83	7,300.00	7,022.14	41.21	47.99	-89.42	-2,532.99	911.33	1,316.67	1,239.70	76.97	17.106		
7,650.00	7,064.85	8,004.83	7,118.30	41.73	49.28	-92.35	-2,568.94	609.96	1,322.15	1,239.74	82.42	16.042		
7,661.89	7,065.00	7,661.89	7,119.35	41.86	47.87	-92.36	-2,569.18	582.11	1,322.18	1,243.38	78.80	16.779		
7,700.00	7,065.13	8,109.12	7,120.35	42.28	49.88	-92.39	-2,569.23	523.96	1,322.36	1,237.61	84.74	15.604		
7,800.00	7,065.47	8,209.12	7,121.16	43.53	50.60	-92.41	-2,568.96	423.97	1,322.63	1,235.13	87.50	15.116		
7,900.00	7,065.82	8,309.12	7,121.98	44.94	51.48	-92.43	-2,568.68	323.97	1,322.90	1,232.37	90.52	14.614		
8,000.00	7,066.16	8,409.13	7,122.79	46.50	52.53	-92.45	-2,568.41	223.98	1,323.17	1,229.36	93.80	14.106		
8,100.00	7,066.50	8,509.13	7,123.60	48.19	53.75	-92.47	-2,568.13	123.98	1,323.44	1,226.13	97.31	13.600		
8,200.00	7,066.85	8,609.13	7,124.42	50.00	55.14	-92.49	-2,567.86	23.99	1,323.71	1,222.69	101.02	13.104		
8,300.00	7,067.19	8,709.13	7,125.23	51.91	56.69	-92.51	-2,567.58	-76.01	1,323.98	1,219.07	104.90	12.621		
8,400.00	7,067.54	8,809.13	7,126.04	53.92	58.38	-92.53	-2,567.31	-176.00	1,324.25	1,215.30	108.95	12.155		
8,500.00	7,067.88	8,909.13	7,126.86	56.01	60.19	-92.55	-2,567.03	-276.00	1,324.52	1,211.38	113.14	11.707		
8,600.00	7,068.22	9,009.13	7,127.67	58.16	62.10	-92.57	-2,566.76	-375.99	1,324.79	1,207.33	117.46	11.279		
8,700.00	7,068.57	9,109.13	7,128.48	60.38	64.11	-92.59	-2,566.48	-475.99	1,325.06	1,203.16	121.89	10.871		
8,800.00	7,068.91	9,209.14	7,129.30	62.65	66.20	-92.61	-2,566.21	-575.98	1,325.33	1,198.90	126.43	10.483		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
8,900.00	7,069.25	9,309.14	7,130.11	64.97	68.36	-92.63	-2,565.93	-675.98	1,325.60	1,194.54	131.06	10.115		
9,000.00	7,069.60	9,409.14	7,130.93	67.34	70.58	-92.65	-2,565.66	-775.97	1,325.87	1,190.10	135.77	9.766		
9,100.00	7,069.94	9,509.14	7,131.74	69.74	72.86	-92.67	-2,565.38	-875.97	1,326.14	1,185.59	140.55	9.435		
9,200.00	7,070.28	9,609.14	7,132.55	72.18	75.18	-92.69	-2,565.11	-975.96	1,326.41	1,181.01	145.41	9.122		
9,300.00	7,070.63	9,709.14	7,133.37	74.65	77.55	-92.71	-2,564.84	-1,075.96	1,326.69	1,176.37	150.32	8.826		
9,400.00	7,070.97	9,809.14	7,134.18	77.15	79.95	-92.73	-2,564.56	-1,175.95	1,326.96	1,171.67	155.28	8.545		
9,500.00	7,071.32	9,909.15	7,134.99	79.67	82.38	-92.75	-2,564.29	-1,275.95	1,327.23	1,166.93	160.30	8.280		
9,600.00	7,071.66	10,009.15	7,135.81	82.22	84.85	-92.77	-2,564.01	-1,375.94	1,327.50	1,162.14	165.36	8.028		
9,700.00	7,072.00	10,109.15	7,136.62	84.78	87.34	-92.79	-2,563.74	-1,475.94	1,327.77	1,157.31	170.46	7.789		
9,800.00	7,072.35	10,209.15	7,137.43	87.37	89.85	-92.81	-2,563.46	-1,575.93	1,328.05	1,152.44	175.60	7.563		
9,900.00	7,072.69	10,309.15	7,138.25	89.97	92.39	-92.83	-2,563.19	-1,675.93	1,328.32	1,147.54	180.78	7.348		
10,000.00	7,073.03	10,409.15	7,139.06	92.59	94.95	-92.85	-2,562.91	-1,775.92	1,328.59	1,142.61	185.98	7.144		
10,100.00	7,073.38	10,509.15	7,139.88	95.22	97.52	-92.87	-2,562.64	-1,875.92	1,328.86	1,137.65	191.21	6.950		
10,200.00	7,073.72	10,609.16	7,140.69	97.86	100.12	-92.89	-2,562.36	-1,975.91	1,329.14	1,132.66	196.47	6.765		
10,300.00	7,074.07	10,709.16	7,141.50	100.52	102.72	-92.91	-2,562.09	-2,075.90	1,329.41	1,127.65	201.76	6.589		
10,400.00	7,074.41	10,809.16	7,142.32	103.19	105.35	-92.93	-2,561.81	-2,175.90	1,329.68	1,122.62	207.07	6.422		
10,500.00	7,074.75	10,909.16	7,143.13	105.87	107.98	-92.95	-2,561.54	-2,275.89	1,329.96	1,117.57	212.39	6.262		
10,600.00	7,075.10	11,009.16	7,143.94	108.55	110.63	-92.97	-2,561.26	-2,375.89	1,330.23	1,112.49	217.74	6.109		
10,700.00	7,075.44	11,109.16	7,144.76	111.25	113.29	-92.99	-2,560.99	-2,475.88	1,330.51	1,107.40	223.10	5.964		
10,800.00	7,075.78	11,209.16	7,145.57	113.96	115.95	-93.01	-2,560.72	-2,575.88	1,330.78	1,102.29	228.48	5.824		
10,900.00	7,076.13	11,309.17	7,146.38	116.67	118.63	-93.03	-2,560.44	-2,675.87	1,331.05	1,097.17	233.88	5.691		
11,000.00	7,076.47	11,409.17	7,147.20	119.39	121.32	-93.05	-2,560.17	-2,775.87	1,331.33	1,092.04	239.29	5.564		
11,100.00	7,076.81	11,490.83	7,148.01	122.11	123.52	-93.07	-2,559.89	-2,875.86	1,331.60	1,087.38	244.22	5.453		
11,200.00	7,077.16	11,609.17	7,148.83	124.85	126.71	-93.09	-2,559.62	-2,975.86	1,331.88	1,081.73	250.15	5.324		
11,300.00	7,077.50	11,709.17	7,149.64	127.58	129.42	-93.10	-2,559.34	-3,075.85	1,332.15	1,076.55	255.60	5.212		
11,400.00	7,077.85	11,809.17	7,150.45	130.33	132.14	-93.12	-2,559.07	-3,175.85	1,332.43	1,071.37	261.06	5.104		
11,500.00	7,078.19	11,909.17	7,151.27	133.08	134.86	-93.14	-2,558.79	-3,275.84	1,332.70	1,066.17	266.53	5.000		
11,600.00	7,078.53	12,009.18	7,152.08	135.83	137.59	-93.16	-2,558.52	-3,375.84	1,332.98	1,060.97	272.01	4.901		
11,700.00	7,078.88	12,109.18	7,152.89	138.59	140.32	-93.18	-2,558.24	-3,475.83	1,333.25	1,055.76	277.50	4.805		
11,800.00	7,079.22	12,209.18	7,153.71	141.35	143.06	-93.20	-2,557.97	-3,575.83	1,333.53	1,050.54	282.99	4.712		
11,900.00	7,079.56	12,309.18	7,154.52	144.11	145.80	-93.22	-2,557.69	-3,675.82	1,333.80	1,045.31	288.50	4.623		
12,000.00	7,079.91	12,409.18	7,155.34	146.88	148.55	-93.24	-2,557.42	-3,775.82	1,334.08	1,040.07	294.01	4.538		
12,100.00	7,080.25	12,509.18	7,156.15	149.66	151.30	-93.26	-2,557.14	-3,875.81	1,334.36	1,034.83	299.53	4.455		
12,200.00	7,080.60	12,609.18	7,156.96	152.43	154.06	-93.28	-2,556.87	-3,975.81	1,334.63	1,029.58	305.05	4.375		
12,300.00	7,080.94	12,709.19	7,157.78	155.21	156.82	-93.30	-2,556.60	-4,075.80	1,334.91	1,024.32	310.58	4.298		
12,400.00	7,081.28	12,809.19	7,158.59	157.99	159.58	-93.32	-2,556.32	-4,175.80	1,335.19	1,019.06	316.12	4.224		
12,500.00	7,081.63	12,909.19	7,159.40	160.78	162.35	-93.34	-2,556.05	-4,275.79	1,335.46	1,013.80	321.67	4.152		
12,600.00	7,081.97	13,009.19	7,160.22	163.57	165.12	-93.36	-2,555.77	-4,375.79	1,335.74	1,008.52	327.22	4.082		
12,700.00	7,082.31	13,109.19	7,161.03	166.36	167.89	-93.38	-2,555.50	-4,475.78	1,336.02	1,003.25	332.77	4.015		
12,800.00	7,082.66	13,190.81	7,161.84	169.15	170.16	-93.40	-2,555.22	-4,575.78	1,336.29	998.47	337.82	3.956		
12,900.00	7,083.00	13,210.89	7,162.01	171.94	170.72	-93.40	-2,555.17	-4,595.86	1,338.96	998.99	339.97	3.938 SF		
13,000.00	7,083.35	13,210.89	7,162.01	174.74	170.72	-93.40	-2,555.17	-4,595.86	1,348.90	1,009.22	339.68	3.971		
13,100.00	7,083.69	13,210.89	7,162.01	177.54	170.72	-93.40	-2,555.17	-4,595.86	1,366.11	1,028.42	337.69	4.045		
13,200.00	7,084.03	13,210.89	7,162.01	180.34	170.72	-93.40	-2,555.17	-4,595.86	1,390.32	1,056.14	334.18	4.160		
13,300.00	7,084.38	13,210.89	7,162.01	183.14	170.72	-93.40	-2,555.17	-4,595.86	1,421.16	1,091.82	329.35	4.315		
13,400.00	7,084.72	13,210.89	7,162.01	185.95	170.72	-93.40	-2,555.17	-4,595.86	1,458.23	1,134.79	323.44	4.509		
13,500.00	7,085.06	13,210.89	7,162.01	188.76	170.72	-93.40	-2,555.17	-4,595.86	1,501.05	1,184.35	316.70	4.740		
13,600.00	7,085.41	13,210.89	7,162.01	191.56	170.72	-93.40	-2,555.17	-4,595.86	1,549.16	1,239.78	309.37	5.007		
13,700.00	7,085.75	13,210.89	7,162.01	194.37	170.72	-93.40	-2,555.17	-4,595.86	1,602.06	1,300.39	301.67	5.311		
13,800.00	7,086.09	13,210.89	7,162.01	197.18	170.72	-93.40	-2,555.17	-4,595.86	1,659.32	1,365.54	293.77	5.648		
13,900.00	7,086.44	13,210.89	7,162.01	200.00	170.72	-93.40	-2,555.17	-4,595.86	1,720.48	1,434.65	285.84	6.019		
14,000.00	7,086.78	13,210.89	7,162.01	202.81	170.72	-93.40	-2,555.17	-4,595.86	1,785.16	1,507.18	277.97	6.422		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	13,210.89	7,162.01	205.63	170.72	-93.40	-2,555.17	-4,595.86	1,852.97	1,582.70	270.28	6.856		
14,200.00	7,087.47	13,210.89	7,162.01	208.44	170.72	-93.40	-2,555.17	-4,595.86	1,923.60	1,660.79	262.81	7.319		
14,300.00	7,087.81	13,210.89	7,162.01	211.26	170.72	-93.40	-2,555.17	-4,595.86	1,996.74	1,741.13	255.61	7.812		
14,400.00	7,088.16	13,210.89	7,162.01	214.08	170.72	-93.40	-2,555.17	-4,595.86	2,072.12	1,823.40	248.72	8.331		
14,500.00	7,088.50	13,210.89	7,162.01	216.90	170.72	-93.40	-2,555.17	-4,595.86	2,149.51	1,907.37	242.14	8.877		
14,600.00	7,088.84	13,210.89	7,162.01	219.72	170.72	-93.40	-2,555.17	-4,595.86	2,228.71	1,992.82	235.89	9.448		
14,700.00	7,089.19	13,210.89	7,162.01	222.54	170.72	-93.40	-2,555.17	-4,595.86	2,309.52	2,079.56	229.96	10.043		
14,800.00	7,089.53	13,210.89	7,162.01	225.37	170.72	-93.40	-2,555.17	-4,595.86	2,391.77	2,167.43	224.35	10.661		
14,900.00	7,089.88	13,210.89	7,162.01	228.19	170.72	-93.40	-2,555.17	-4,595.86	2,475.34	2,256.30	219.04	11.301		
15,000.00	7,090.22	13,210.89	7,162.01	231.02	170.72	-93.40	-2,555.17	-4,595.86	2,560.09	2,346.06	214.02	11.962		
15,100.00	7,090.56	13,210.89	7,162.01	233.84	170.72	-93.40	-2,555.17	-4,595.86	2,645.90	2,436.60	209.29	12.642		
15,200.00	7,090.91	13,210.89	7,162.01	236.67	170.72	-93.40	-2,555.17	-4,595.86	2,732.67	2,527.85	204.82	13.342		
15,227.29	7,091.00	13,210.89	7,162.01	237.44	170.72	-93.40	-2,555.17	-4,595.86	2,756.51	2,552.86	203.65	13.536		
15,300.00	7,091.25	13,210.89	7,162.01	239.49	170.72	-93.25	-2,555.17	-4,595.86	2,819.88	2,619.34	200.54	14.062		
15,326.57	7,091.35	13,210.89	7,162.01	240.24	170.72	-93.20	-2,555.17	-4,595.86	2,842.92	2,643.53	199.40	14.258		
15,400.00	7,091.60	13,210.89	7,162.01	242.30	170.72	-93.20	-2,555.17	-4,595.86	2,906.76	2,710.45	196.31	14.807		
15,500.00	7,091.96	13,210.89	7,162.01	245.12	170.72	-93.20	-2,555.17	-4,595.86	2,994.40	2,802.10	192.30	15.572		
15,600.00	7,092.31	13,210.89	7,162.01	247.93	170.72	-93.20	-2,555.17	-4,595.86	3,082.79	2,894.28	188.51	16.353		
15,700.00	7,092.66	13,210.89	7,162.01	250.75	170.72	-93.20	-2,555.17	-4,595.86	3,171.88	2,986.94	184.94	17.151		
15,800.00	7,093.01	13,210.89	7,162.01	253.56	170.72	-93.20	-2,555.17	-4,595.86	3,261.59	3,080.04	181.55	17.965		
15,900.00	7,093.36	13,210.89	7,162.01	256.38	170.72	-93.20	-2,555.17	-4,595.86	3,351.89	3,173.54	178.35	18.793		
16,000.00	7,093.71	13,210.89	7,162.01	259.20	170.72	-93.20	-2,555.17	-4,595.86	3,442.73	3,267.40	175.33	19.636		
16,100.00	7,094.07	13,210.89	7,162.01	262.02	170.72	-93.20	-2,555.17	-4,595.86	3,534.06	3,361.59	172.47	20.491		
16,200.00	7,094.42	13,210.89	7,162.01	264.84	170.72	-93.20	-2,555.17	-4,595.86	3,625.84	3,456.09	169.76	21.359		
16,300.00	7,094.77	13,210.89	7,162.01	267.65	170.72	-93.20	-2,555.17	-4,595.86	3,718.05	3,550.86	167.19	22.239		
16,400.00	7,095.12	13,210.89	7,162.01	270.47	170.72	-93.20	-2,555.17	-4,595.86	3,810.66	3,645.90	164.76	23.129		
16,500.00	7,095.47	13,210.89	7,162.01	273.30	170.72	-93.20	-2,555.17	-4,595.86	3,903.63	3,741.18	162.45	24.030		
16,600.00	7,095.82	13,210.89	7,162.01	276.12	170.72	-93.20	-2,555.17	-4,595.86	3,996.93	3,836.67	160.26	24.940		
16,700.00	7,096.18	13,210.89	7,162.01	278.94	170.72	-93.20	-2,555.17	-4,595.86	4,090.56	3,932.37	158.19	25.859		
16,800.00	7,096.53	13,210.89	7,162.01	281.76	170.72	-93.20	-2,555.17	-4,595.86	4,184.48	4,028.26	156.22	26.786		
16,900.00	7,096.88	13,210.89	7,162.01	284.58	170.72	-93.20	-2,555.17	-4,595.86	4,278.67	4,124.33	154.34	27.722		
17,000.00	7,097.23	13,210.89	7,162.01	287.41	170.72	-93.20	-2,555.17	-4,595.86	4,373.13	4,220.56	152.56	28.664		
17,100.00	7,097.58	13,210.89	7,162.01	290.23	170.72	-93.20	-2,555.17	-4,595.86	4,467.82	4,316.95	150.87	29.613		
17,200.00	7,097.93	13,210.89	7,162.01	293.06	170.72	-93.20	-2,555.17	-4,595.86	4,562.74	4,413.48	149.26	30.569		
17,300.00	7,098.29	13,210.89	7,162.01	295.88	170.72	-93.20	-2,555.17	-4,595.86	4,657.87	4,510.14	147.73	31.530		
17,400.00	7,098.64	13,210.89	7,162.01	298.71	170.72	-93.20	-2,555.17	-4,595.86	4,753.21	4,606.94	146.27	32.496		
17,500.00	7,098.99	13,210.89	7,162.01	301.53	170.72	-93.20	-2,555.17	-4,595.86	4,848.73	4,703.85	144.88	33.468		
17,600.00	7,099.34	13,210.89	7,162.01	304.36	170.72	-93.20	-2,555.17	-4,595.86	4,944.43	4,800.87	143.55	34.443		
17,700.00	7,099.69	13,210.89	7,162.01	307.19	170.72	-93.20	-2,555.17	-4,595.86	5,040.29	4,898.00	142.29	35.423		
17,800.00	7,100.04	13,210.89	7,162.01	310.01	170.72	-93.20	-2,555.17	-4,595.86	5,136.31	4,995.23	141.08	36.406		
17,900.00	7,100.40	13,210.89	7,162.01	312.84	170.72	-93.20	-2,555.17	-4,595.86	5,232.49	5,092.55	139.93	37.393		
18,000.00	7,100.75	13,210.89	7,162.01	315.67	170.72	-93.20	-2,555.17	-4,595.86	5,328.80	5,189.97	138.83	38.383		
18,100.00	7,101.10	13,210.89	7,162.01	318.50	170.72	-93.20	-2,555.17	-4,595.86	5,425.24	5,287.46	137.78	39.376		
18,200.00	7,101.45	13,210.89	7,162.01	321.33	170.72	-93.20	-2,555.17	-4,595.86	5,521.82	5,385.04	136.78	40.371		
18,300.00	7,101.80	13,210.89	7,162.01	324.16	170.72	-93.20	-2,555.17	-4,595.86	5,618.51	5,482.69	135.82	41.368		
18,400.00	7,102.16	13,210.89	7,162.01	326.99	170.72	-93.20	-2,555.17	-4,595.86	5,715.32	5,580.41	134.90	42.367		
18,500.00	7,102.51	13,210.89	7,162.01	329.82	170.72	-93.20	-2,555.17	-4,595.86	5,812.23	5,678.21	134.02	43.367		
18,600.00	7,102.86	13,210.89	7,162.01	332.65	170.72	-93.20	-2,555.17	-4,595.86	5,909.25	5,776.06	133.18	44.369		
18,700.00	7,103.21	13,210.89	7,162.01	335.48	170.72	-93.20	-2,555.17	-4,595.86	6,006.36	5,873.98	132.38	45.372		
18,800.00	7,103.56	13,210.89	7,162.01	338.31	170.72	-93.20	-2,555.17	-4,595.86	6,103.57	5,971.96	131.61	46.376		
18,900.00	7,103.91	13,210.89	7,162.01	341.14	170.72	-93.20	-2,555.17	-4,595.86	6,200.87	6,070.00	130.87	47.381		
18,924.52	7,104.00	13,210.89	7,162.01	341.83	170.72	-93.20	-2,555.17	-4,595.86	6,224.73	6,094.04	130.70	47.628		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	89.99	0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	89.99	0.83	89.99	83.42	6.57	13.699		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	89.99	0.83	89.99	83.32	6.67	13.484 CC, ES		
300.00	299.98	299.99	299.97	3.44	3.44	-132.16	89.97	2.58	91.17	84.28	6.88	13.245		
400.00	399.84	399.89	399.73	3.59	3.60	-131.29	89.90	7.80	94.70	87.51	7.19	13.171		
500.00	499.45	499.60	499.06	3.80	3.80	-129.97	89.79	16.49	100.62	93.03	7.59	13.253		
600.00	598.70	599.03	597.74	4.04	4.05	-128.36	89.64	28.58	108.97	100.89	8.08	13.485		
700.00	697.47	698.09	695.58	4.32	4.33	-126.61	89.45	44.02	119.77	111.12	8.65	13.850		
800.00	795.62	796.69	792.38	4.65	4.65	-124.84	89.22	62.75	133.04	123.75	9.29	14.324		
900.00	893.06	904.92	888.37	5.02	5.04	-123.26	88.95	84.38	148.72	138.69	10.03	14.822		
993.00	982.91	986.63	977.57	5.39	5.36	-122.76	88.70	104.95	165.09	154.38	10.71	15.416		
1,000.00	989.65	1,006.49	984.27	5.42	5.44	-122.78	88.68	106.49	166.39	155.57	10.82	15.379		
1,100.00	1,085.84	1,108.22	1,080.04	5.86	5.86	-123.02	88.40	128.57	184.86	173.22	11.65	15.873		
1,200.00	1,182.03	1,209.94	1,175.80	6.32	6.30	-123.21	88.13	150.65	203.34	190.83	12.51	16.253		
1,300.00	1,278.22	1,288.33	1,271.56	6.79	6.65	-123.37	87.86	172.73	221.82	208.52	13.30	16.678		
1,400.00	1,374.42	1,386.61	1,367.33	7.28	7.09	-123.51	87.58	194.81	240.30	226.10	14.20	16.921		
1,500.00	1,470.61	1,484.89	1,463.09	7.79	7.55	-123.62	87.31	216.89	258.78	243.66	15.12	17.113		
1,600.00	1,566.80	1,583.16	1,558.85	8.30	8.01	-123.72	87.04	238.97	277.26	261.20	16.06	17.265		
1,700.00	1,663.00	1,681.44	1,654.62	8.82	8.48	-123.81	86.76	261.05	295.75	278.73	17.01	17.386		
1,800.00	1,759.19	1,779.71	1,750.38	9.34	8.95	-123.89	86.49	283.13	314.23	296.26	17.97	17.484		
1,900.00	1,855.38	1,877.99	1,846.14	9.87	9.43	-123.96	86.21	305.21	332.71	313.77	18.94	17.562		
2,000.00	1,951.58	1,976.27	1,941.91	10.41	9.92	-124.02	85.94	327.29	351.20	331.27	19.93	17.626		
2,100.00	2,047.77	2,074.54	2,037.67	10.95	10.40	-124.08	85.67	349.37	369.68	348.77	20.91	17.677		
2,200.00	2,143.96	2,172.82	2,133.43	11.49	10.89	-124.13	85.39	371.45	388.17	366.26	21.91	17.719		
2,300.00	2,240.16	2,271.09	2,229.20	12.04	11.38	-124.17	85.12	393.53	406.65	383.75	22.91	17.753		
2,400.00	2,336.35	2,369.37	2,324.96	12.58	11.88	-124.22	84.85	415.61	425.14	401.23	23.91	17.781		
2,500.00	2,432.54	2,467.65	2,420.72	13.13	12.37	-124.26	84.57	437.69	443.63	418.71	24.92	17.803		
2,600.00	2,528.74	2,565.92	2,516.49	13.69	12.87	-124.29	84.30	459.77	462.11	436.18	25.93	17.822		
2,700.00	2,624.93	2,664.20	2,612.25	14.24	13.37	-124.32	84.02	481.85	480.60	453.65	26.94	17.836		
2,800.00	2,721.12	2,762.47	2,708.01	14.80	13.87	-124.35	83.75	503.93	499.09	471.12	27.96	17.848		
2,900.00	2,817.32	2,860.75	2,803.77	15.35	14.37	-124.38	83.48	526.01	517.57	488.59	28.98	17.858		
3,000.00	2,913.51	2,959.03	2,899.54	15.91	14.88	-124.41	83.20	548.09	536.06	506.05	30.01	17.865		
3,100.00	3,009.70	3,057.30	2,995.30	16.47	15.38	-124.43	82.93	570.17	554.55	523.51	31.03	17.871		
3,200.00	3,105.90	3,155.58	3,091.06	17.03	15.88	-124.45	82.66	592.25	573.03	540.98	32.06	17.875		
3,300.00	3,202.09	3,253.85	3,186.83	17.59	16.39	-124.48	82.38	614.33	591.52	558.43	33.09	17.878		
3,400.00	3,298.28	3,352.13	3,282.59	18.15	16.90	-124.50	82.11	636.41	610.01	575.89	34.12	17.881		
3,500.00	3,394.48	3,450.41	3,378.35	18.72	17.40	-124.52	81.84	658.48	628.49	593.35	35.15	17.882		
3,600.00	3,490.67	3,548.68	3,474.12	19.28	17.91	-124.53	81.56	680.56	646.98	610.80	36.18	17.882		
3,700.00	3,586.86	3,646.96	3,569.88	19.84	18.42	-124.55	81.29	702.64	665.47	628.25	37.21	17.882		
3,800.00	3,683.06	3,745.23	3,665.64	20.41	18.93	-124.57	81.01	724.72	683.96	645.71	38.25	17.882		
3,900.00	3,779.25	3,843.51	3,761.41	20.97	19.44	-124.58	80.74	746.80	702.44	663.16	39.28	17.881		
4,000.00	3,875.44	3,941.79	3,857.17	21.54	19.95	-124.60	80.47	768.88	720.93	680.61	40.32	17.879		
4,100.00	3,971.64	4,040.06	3,952.93	22.11	20.46	-124.61	80.19	790.96	739.42	698.06	41.36	17.878		
4,200.00	4,067.83	4,138.34	4,048.70	22.67	20.97	-124.62	79.92	813.04	757.91	715.51	42.40	17.876		
4,300.00	4,164.02	4,236.62	4,144.46	23.24	21.48	-124.63	79.65	835.12	776.39	732.96	43.44	17.874		
4,400.00	4,260.22	4,334.89	4,240.22	23.81	21.99	-124.65	79.37	857.20	794.88	750.40	44.48	17.872		
4,500.00	4,356.41	4,433.17	4,335.99	24.37	22.50	-124.66	79.10	879.28	813.37	767.85	45.52	17.869		
4,600.00	4,452.60	4,531.44	4,431.75	24.94	23.01	-124.67	78.82	901.36	831.86	785.30	46.56	17.867		
4,700.00	4,548.79	4,629.72	4,527.51	25.51	23.52	-124.68	78.55	923.44	850.34	802.74	47.60	17.864		
4,800.00	4,644.99	4,728.00	4,623.28	26.08	24.04	-124.69	78.28	945.52	868.83	820.19	48.64	17.861		
4,900.00	4,741.18	4,826.27	4,719.04	26.65	24.55	-124.70	78.00	967.60	887.32	837.63	49.69	17.858		
5,000.00	4,837.37	4,924.55	4,814.80	27.21	25.06	-124.71	77.73	989.68	905.81	855.08	50.73	17.855		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,022.82	4,910.57	27.78	25.58	-124.72	77.46	1,011.76	924.30	872.52	51.77	17.853		
5,200.00	5,029.76	5,121.10	5,006.33	28.35	26.09	-124.72	77.18	1,033.84	942.78	889.97	52.82	17.850		
5,300.00	5,125.95	5,219.38	5,102.09	28.92	26.60	-124.73	76.91	1,055.92	961.27	907.41	53.86	17.847		
5,400.00	5,222.15	5,317.65	5,197.86	29.49	27.12	-124.74	76.63	1,078.00	979.76	924.85	54.91	17.844		
5,500.00	5,318.34	5,415.93	5,293.62	30.06	27.63	-124.75	76.36	1,100.08	998.25	942.29	55.95	17.841		
5,600.00	5,414.53	5,514.20	5,389.38	30.63	28.14	-124.75	76.09	1,122.16	1,016.73	959.74	57.00	17.838		
5,700.00	5,510.73	5,613.70	5,486.37	31.20	28.66	-124.77	75.81	1,144.35	1,035.21	977.15	58.05	17.832		
5,800.00	5,606.92	5,716.04	5,586.71	31.77	29.17	-124.94	75.56	1,164.48	1,053.39	994.28	59.11	17.822		
5,900.00	5,703.11	5,818.19	5,687.51	32.34	29.66	-125.30	75.36	1,180.98	1,071.22	1,011.10	60.12	17.819		
6,000.00	5,799.31	5,919.88	5,788.38	32.91	30.11	-125.83	75.20	1,193.84	1,088.76	1,027.68	61.08	17.825		
6,100.00	5,895.50	6,020.86	5,888.93	33.48	30.54	-126.53	75.08	1,203.05	1,106.10	1,044.09	62.00	17.840		
6,200.00	5,991.69	6,120.90	5,988.81	34.05	30.94	-127.39	75.01	1,208.68	1,123.35	1,060.48	62.88	17.866		
6,300.00	6,087.89	6,219.76	6,087.64	34.62	31.32	-128.38	74.99	1,210.81	1,140.66	1,076.96	63.70	17.905		
6,400.00	6,184.08	6,316.20	6,184.08	35.19	31.67	-129.41	74.99	1,210.83	1,158.23	1,093.74	64.49	17.961		
6,500.00	6,280.27	6,412.39	6,280.27	35.77	32.02	-130.42	74.99	1,210.83	1,176.16	1,110.90	65.27	18.021		
6,535.30	6,314.23	6,446.35	6,314.23	35.97	32.14	-130.77	74.99	1,210.83	1,182.58	1,117.04	65.54	18.043		
6,550.00	6,328.40	6,460.52	6,328.40	36.05	32.19	-134.58	74.99	1,210.83	1,185.27	1,119.62	65.65	18.053		
6,600.00	6,377.01	6,509.13	6,377.01	36.31	32.37	-151.00	74.99	1,210.83	1,194.57	1,128.53	66.04	18.089		
6,650.00	6,426.00	6,558.12	6,426.00	36.54	32.55	-173.01	74.99	1,210.83	1,203.99	1,137.57	66.42	18.128		
6,700.00	6,475.08	6,607.20	6,475.08	36.73	32.73	163.28	74.99	1,210.83	1,213.44	1,146.65	66.79	18.168		
6,750.00	6,523.94	6,656.06	6,523.94	36.90	32.91	144.01	74.99	1,210.83	1,222.87	1,155.70	67.17	18.206		
6,800.00	6,572.28	6,704.40	6,572.28	37.05	33.09	130.76	74.99	1,210.83	1,232.28	1,164.72	67.56	18.240		
6,850.00	6,619.81	6,751.34	6,619.22	37.19	33.26	121.95	75.00	1,210.66	1,241.67	1,173.72	67.96	18.272		
6,900.00	6,666.23	6,797.25	6,665.04	37.32	33.42	115.89	75.13	1,207.94	1,251.13	1,182.77	68.35	18.304		
6,950.00	6,711.25	6,844.04	6,711.41	37.46	33.58	111.53	75.45	1,201.78	1,260.62	1,191.84	68.77	18.331		
7,000.00	6,754.60	6,891.79	6,758.14	37.61	33.76	108.28	75.94	1,192.01	1,270.09	1,200.87	69.22	18.348		
7,050.00	6,796.01	6,940.60	6,805.00	37.77	33.95	105.79	76.63	1,178.44	1,279.49	1,209.79	69.70	18.356		
7,100.00	6,835.22	6,990.56	6,851.75	37.94	34.16	103.84	77.52	1,160.87	1,288.76	1,218.54	70.23	18.352		
7,150.00	6,871.99	7,041.77	6,898.09	38.12	34.39	102.28	78.63	1,139.13	1,297.85	1,227.06	70.79	18.334		
7,200.00	6,906.10	7,094.34	6,943.67	38.34	34.64	101.03	79.95	1,113.01	1,306.69	1,235.29	71.40	18.300		
7,250.00	6,937.34	7,148.36	6,988.11	38.57	34.93	100.02	81.51	1,082.35	1,315.22	1,243.15	72.07	18.249		
7,300.00	6,965.51	7,203.92	7,030.92	38.84	35.26	99.22	83.30	1,047.02	1,323.38	1,250.58	72.80	18.178		
7,350.00	6,990.44	7,261.10	7,071.60	39.14	35.64	98.58	85.34	1,006.91	1,331.10	1,257.50	73.60	18.085		
7,400.00	7,011.97	7,319.96	7,109.52	39.47	36.08	98.08	87.62	961.98	1,338.31	1,263.83	74.48	17.969		
7,450.00	7,029.98	7,380.54	7,144.05	39.85	36.58	97.70	90.14	912.30	1,344.95	1,269.50	75.44	17.827		
7,500.00	7,044.34	7,442.82	7,174.45	40.26	37.16	97.44	92.90	858.04	1,350.94	1,274.44	76.50	17.660		
7,550.00	7,054.99	7,506.79	7,200.00	40.72	37.81	97.28	95.87	799.51	1,356.22	1,278.57	77.65	17.465		
7,600.00	7,061.83	7,572.34	7,219.95	41.21	38.55	97.20	99.03	737.18	1,360.73	1,281.82	78.91	17.244		
7,650.00	7,064.85	7,639.33	7,233.60	41.73	39.35	97.20	102.36	671.70	1,364.41	1,284.15	80.26	17.000		
7,661.89	7,065.00	7,655.46	7,235.85	41.86	39.55	97.21	103.17	655.76	1,365.16	1,284.57	80.59	16.940		
7,700.00	7,065.13	7,707.66	7,240.35	42.28	40.22	97.38	105.80	603.83	1,367.28	1,285.58	81.70	16.736		
7,800.00	7,065.47	7,815.22	7,241.13	43.53	41.70	97.37	111.26	496.42	1,371.82	1,287.28	84.54	16.227		
7,900.00	7,065.82	7,915.11	7,241.30	44.94	43.21	97.34	116.32	396.65	1,376.31	1,288.72	87.59	15.714		
8,000.00	7,066.16	8,015.01	7,241.46	46.50	44.86	97.31	121.39	296.88	1,380.79	1,289.91	90.89	15.193		
8,100.00	7,066.50	8,114.91	7,241.63	48.19	46.62	97.28	126.45	197.11	1,385.28	1,290.87	94.41	14.673		
8,200.00	7,066.85	8,214.80	7,241.80	50.00	48.49	97.25	131.52	97.35	1,389.77	1,291.62	98.14	14.160		
8,300.00	7,067.19	8,314.70	7,241.96	51.91	50.46	97.22	136.58	-2.42	1,394.26	1,292.20	102.06	13.662		
8,400.00	7,067.54	8,414.60	7,242.13	53.92	52.51	97.19	141.65	-102.19	1,398.74	1,292.61	106.13	13.179		
8,500.00	7,067.88	8,514.49	7,242.30	56.01	54.63	97.16	146.71	-201.96	1,403.23	1,292.89	110.35	12.716		
8,600.00	7,068.22	8,614.39	7,242.46	58.16	56.82	97.13	151.78	-301.72	1,407.72	1,293.03	114.69	12.274		
8,700.00	7,068.57	8,714.29	7,242.63	60.38	59.06	97.10	156.84	-401.49	1,412.21	1,293.06	119.15	11.852		
8,800.00	7,068.91	8,814.18	7,242.79	62.65	61.36	97.07	161.91	-501.26	1,416.70	1,292.99	123.71	11.451		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	8,914.08	7,242.96	64.97	63.71	97.04	166.97	-601.03	1,421.19	1,292.83	128.37	11.071		
9,000.00	7,069.60	9,013.98	7,243.13	67.34	66.09	97.01	172.04	-700.80	1,425.68	1,292.58	133.10	10.711		
9,100.00	7,069.94	9,113.87	7,243.29	69.74	68.52	96.98	177.10	-800.56	1,430.17	1,292.27	137.91	10.371		
9,200.00	7,070.28	9,213.77	7,243.46	72.18	70.97	96.95	182.17	-900.33	1,434.67	1,291.89	142.78	10.048		
9,300.00	7,070.63	9,313.66	7,243.63	74.65	73.46	96.92	187.23	-1,000.10	1,439.16	1,291.45	147.71	9.743		
9,400.00	7,070.97	9,413.56	7,243.79	77.15	75.98	96.89	192.30	-1,099.87	1,443.65	1,290.95	152.69	9.454		
9,500.00	7,071.32	9,513.46	7,243.96	79.67	78.51	96.86	197.36	-1,199.64	1,448.14	1,290.41	157.73	9.181		
9,600.00	7,071.66	9,613.35	7,244.13	82.22	81.07	96.83	202.43	-1,299.40	1,452.63	1,289.83	162.81	8.922		
9,700.00	7,072.00	9,713.25	7,244.29	84.78	83.66	96.81	207.49	-1,399.17	1,457.13	1,289.20	167.92	8.677		
9,800.00	7,072.35	9,813.15	7,244.46	87.37	86.25	96.78	212.56	-1,498.94	1,461.62	1,288.54	173.08	8.445		
9,900.00	7,072.69	9,913.04	7,244.62	89.97	88.87	96.75	217.62	-1,598.71	1,466.12	1,287.85	178.27	8.224		
10,000.00	7,073.03	10,012.94	7,244.79	92.59	91.50	96.72	222.69	-1,698.47	1,470.61	1,287.12	183.49	8.015		
10,100.00	7,073.38	10,112.84	7,244.96	95.22	94.15	96.70	227.75	-1,798.24	1,475.10	1,286.37	188.73	7.816		
10,200.00	7,073.72	10,212.73	7,245.12	97.86	96.80	96.67	232.82	-1,898.01	1,479.60	1,285.59	194.01	7.626		
10,300.00	7,074.07	10,312.63	7,245.29	100.52	99.47	96.64	237.88	-1,997.78	1,484.09	1,284.79	199.31	7.446		
10,400.00	7,074.41	10,412.53	7,245.46	103.19	102.15	96.61	242.95	-2,097.55	1,488.59	1,283.97	204.62	7.275		
10,500.00	7,074.75	10,512.42	7,245.62	105.87	104.85	96.59	248.01	-2,197.31	1,493.09	1,283.12	209.96	7.111		
10,600.00	7,075.10	10,612.32	7,245.79	108.55	107.55	96.56	253.08	-2,297.08	1,497.58	1,282.26	215.32	6.955		
10,700.00	7,075.44	10,712.21	7,245.95	111.25	110.25	96.53	258.14	-2,396.85	1,502.08	1,281.38	220.70	6.806		
10,800.00	7,075.78	10,812.11	7,246.12	113.96	112.97	96.51	263.21	-2,496.62	1,506.58	1,280.48	226.09	6.664		
10,900.00	7,076.13	10,912.01	7,246.29	116.67	115.69	96.48	268.27	-2,596.38	1,511.07	1,279.57	231.50	6.527		
11,000.00	7,076.47	11,011.90	7,246.45	119.39	118.43	96.46	273.34	-2,696.15	1,515.57	1,278.65	236.92	6.397		
11,100.00	7,076.81	11,111.80	7,246.62	122.11	121.16	96.43	278.40	-2,795.92	1,520.07	1,277.71	242.36	6.272		
11,200.00	7,077.16	11,211.70	7,246.79	124.85	123.91	96.40	283.47	-2,895.69	1,524.57	1,276.76	247.81	6.152		
11,300.00	7,077.50	11,311.59	7,246.95	127.58	126.65	96.38	288.53	-2,995.46	1,529.07	1,275.80	253.27	6.037		
11,400.00	7,077.85	11,412.20	7,247.26	130.33	131.62	96.35	293.66	-3,175.97	1,531.69	1,270.93	260.76	5.874		
11,500.00	7,078.19	11,512.10	7,247.53	133.08	134.97	96.32	298.79	-3,325.75	1,534.26	1,266.00	268.27	5.721		
11,600.00	7,078.53	11,612.00	7,247.71	135.83	138.46	96.29	303.92	-3,475.52	1,536.83	1,261.07	275.76	5.568		
11,700.00	7,078.88	11,711.90	7,247.90	138.59	141.99	96.26	309.05	-3,625.30	1,539.40	1,256.14	283.25	5.415		
11,800.00	7,079.22	11,811.80	7,248.08	141.35	145.48	96.23	314.18	-3,775.07	1,541.97	1,251.21	290.74	5.262		
11,900.00	7,079.56	11,911.70	7,248.26	144.11	148.97	96.20	319.31	-3,924.85	1,544.54	1,246.28	298.23	5.109		
12,000.00	7,079.91	12,011.60	7,248.44	146.88	152.46	96.17	324.44	-4,074.62	1,547.11	1,241.35	305.72	4.956		
12,100.00	7,080.25	12,111.50	7,248.62	149.66	155.95	96.14	329.57	-4,224.40	1,549.68	1,236.42	313.21	4.803		
12,200.00	7,080.60	12,211.40	7,248.81	152.43	159.44	96.11	334.70	-4,374.17	1,552.25	1,231.49	320.70	4.650		
12,300.00	7,080.94	12,311.30	7,248.99	155.21	162.93	96.08	339.83	-4,523.95	1,554.82	1,226.56	328.19	4.497		
12,400.00	7,081.28	12,411.20	7,249.17	157.99	166.42	96.05	344.96	-4,673.72	1,557.39	1,221.63	335.68	4.344		
12,500.00	7,081.63	12,511.10	7,249.35	160.78	169.91	96.02	350.09	-4,823.50	1,559.96	1,216.70	343.17	4.191		
12,600.00	7,081.97	12,611.00	7,249.54	163.57	173.40	96.00	355.22	-4,973.27	1,562.53	1,211.77	350.66	4.038		
12,700.00	7,082.31	12,710.90	7,249.72	166.36	176.89	95.97	360.35	-5,123.05	1,565.10	1,206.84	358.15	3.885		
12,800.00	7,082.66	12,810.80	7,249.90	169.15	180.38	95.94	365.48	-5,272.82	1,567.67	1,201.91	365.64	3.732		
12,900.00	7,083.00	12,910.70	7,250.08	171.94	183.87	95.91	370.61	-5,422.60	1,570.24	1,196.98	373.13	3.579		
13,000.00	7,083.35	13,010.60	7,250.27	174.74	187.36	95.88	375.74	-5,572.37	1,572.81	1,192.05	380.62	3.426		
13,100.00	7,083.69	13,110.50	7,250.45	177.54	190.85	95.85	380.87	-5,722.15	1,575.38	1,187.12	388.11	3.273		
13,200.00	7,084.03	13,210.40	7,250.63	180.34	194.34	95.82	386.00	-5,871.92	1,577.95	1,182.19	395.60	3.120		
13,300.00	7,084.38	13,310.30	7,250.81	183.14	197.83	95.79	391.13	-6,021.70	1,580.52	1,177.26	403.09	2.967		
13,400.00	7,084.72	13,410.20	7,250.99	185.95	201.32	95.76	396.26	-6,171.47	1,583.09	1,172.33	410.58	2.814		
13,500.00	7,085.06	13,510.10	7,251.18	188.76	204.81	95.73	401.39	-6,321.25	1,585.66	1,167.40	418.07	2.661		
13,600.00	7,085.41	13,610.00	7,251.36	191.56	208.30	95.70	406.52	-6,471.02	1,588.23	1,162.47	425.56	2.508		
13,700.00	7,085.75	13,709.90	7,251.54	194.37	211.79	95.67	411.65	-6,620.80	1,590.80	1,157.54	433.05	2.355		
13,800.00	7,086.09	13,809.80	7,251.72	197.18	215.28	95.64	416.78	-6,770.57	1,593.37	1,152.61	440.54	2.202		
13,900.00	7,086.44	13,909.70	7,251.91	200.00	218.77	95.61	421.91	-6,920.35	1,595.94	1,147.68	448.03	2.049		
14,000.00	7,086.78	14,009.60	7,252.09	202.81	222.26	95.58	427.04	-7,070.12	1,598.51	1,142.75	455.52	1.896		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	14,239.92	7,252.27	205.63	207.77	96.66	198.84	-5,922.03	1,423.77	1,012.98	410.79	3.466		
14,200.00	7,087.47	14,339.84	7,252.45	208.44	210.57	96.67	195.33	-6,021.88	1,419.75	1,003.39	416.36	3.410		
14,300.00	7,087.81	14,439.76	7,252.63	211.26	213.36	96.68	191.83	-6,121.74	1,415.73	993.79	421.93	3.355		
14,400.00	7,088.16	14,539.68	7,252.82	214.08	216.16	96.70	188.33	-6,221.60	1,411.70	984.19	427.51	3.302		
14,500.00	7,088.50	14,639.60	7,253.00	216.90	218.97	96.71	184.82	-6,321.46	1,407.68	974.59	433.09	3.250		
14,600.00	7,088.84	14,739.52	7,253.18	219.72	221.77	96.72	181.32	-6,421.31	1,403.66	964.99	438.67	3.200		
14,700.00	7,089.19	14,839.43	7,253.36	222.54	224.57	96.73	177.81	-6,521.17	1,399.64	955.39	444.25	3.151		
14,800.00	7,089.53	14,939.35	7,253.55	225.37	227.38	96.75	174.31	-6,621.03	1,395.61	945.78	449.83	3.103		
14,900.00	7,089.88	15,039.27	7,253.73	228.19	230.18	96.76	170.80	-6,720.88	1,391.59	936.18	455.41	3.056		
15,000.00	7,090.22	15,139.19	7,253.91	231.02	232.99	96.77	167.30	-6,820.74	1,387.57	926.57	461.00	3.010		
15,100.00	7,090.56	15,239.11	7,254.09	233.84	235.80	96.79	163.80	-6,920.60	1,383.55	916.96	466.59	2.965		
15,200.00	7,090.91	15,339.03	7,254.27	236.67	238.60	96.80	160.29	-7,020.45	1,379.52	907.35	472.17	2.922		
15,227.29	7,091.00	15,366.29	7,254.32	237.44	239.37	96.80	159.33	-7,047.71	1,378.43	904.73	473.70	2.910		
15,300.00	7,091.25	15,438.97	7,254.46	239.49	241.41	96.81	156.79	-7,120.34	1,376.42	898.65	477.76	2.881		
15,326.57	7,091.35	15,465.54	7,254.51	240.24	242.16	96.81	155.85	-7,146.89	1,376.14	896.89	479.25	2.871		
15,400.00	7,091.60	15,538.97	7,254.64	242.30	244.23	96.81	153.28	-7,220.28	1,375.71	892.35	483.36	2.846		
15,500.00	7,091.96	15,638.97	7,254.82	245.12	247.04	96.80	149.77	-7,320.21	1,375.13	886.17	488.96	2.812		
15,600.00	7,092.31	15,738.97	7,255.00	247.93	249.85	96.80	146.26	-7,420.15	1,374.55	879.99	494.56	2.779		
15,700.00	7,092.66	15,838.97	7,255.19	250.75	252.67	96.79	142.76	-7,520.09	1,373.96	873.80	500.16	2.747		
15,800.00	7,093.01	15,938.96	7,255.37	253.56	255.48	96.79	139.25	-7,620.02	1,373.38	867.62	505.76	2.715		
15,900.00	7,093.36	16,038.96	7,255.55	256.38	258.30	96.78	135.74	-7,719.96	1,372.80	861.43	511.37	2.685		
16,000.00	7,093.71	16,138.96	7,255.73	259.20	261.12	96.78	132.24	-7,819.90	1,372.22	855.24	516.97	2.654		
16,100.00	7,094.07	16,238.96	7,255.92	262.02	263.93	96.78	128.73	-7,919.83	1,371.63	849.05	522.58	2.625		
16,200.00	7,094.42	16,338.96	7,256.10	264.84	266.75	96.77	125.22	-8,019.77	1,371.05	842.86	528.19	2.596		
16,300.00	7,094.77	16,438.96	7,256.28	267.65	269.57	96.77	121.72	-8,119.70	1,370.47	836.67	533.80	2.567		
16,400.00	7,095.12	16,538.95	7,256.46	270.47	272.39	96.76	118.21	-8,219.64	1,369.88	830.47	539.41	2.540		
16,500.00	7,095.47	16,638.95	7,256.65	273.30	275.21	96.76	114.70	-8,319.58	1,369.30	824.28	545.02	2.512		
16,600.00	7,095.82	16,738.95	7,256.83	276.12	278.03	96.75	111.19	-8,419.51	1,368.72	818.08	550.63	2.486		
16,700.00	7,096.18	16,838.95	7,257.01	278.94	280.85	96.75	107.69	-8,519.45	1,368.14	811.89	556.25	2.460		
16,800.00	7,096.53	16,938.95	7,257.19	281.76	283.67	96.75	104.18	-8,619.39	1,367.55	805.69	561.86	2.434		
16,900.00	7,096.88	17,038.95	7,257.38	284.58	286.50	96.74	100.67	-8,719.32	1,366.97	799.49	567.48	2.409		
17,000.00	7,097.23	17,138.94	7,257.56	287.41	289.32	96.74	97.17	-8,819.26	1,366.39	793.29	573.10	2.384		
17,100.00	7,097.58	17,238.94	7,257.74	290.23	292.14	96.73	93.66	-8,919.20	1,365.80	787.09	578.72	2.360		
17,200.00	7,097.93	17,338.94	7,257.92	293.06	294.97	96.73	90.15	-9,019.13	1,365.22	780.89	584.34	2.336		
17,300.00	7,098.29	17,438.94	7,258.11	295.88	297.79	96.72	86.64	-9,119.07	1,364.64	774.68	589.96	2.313		
17,400.00	7,098.64	17,538.94	7,258.29	298.71	300.61	96.72	83.14	-9,219.01	1,364.06	768.48	595.58	2.290		
17,500.00	7,098.99	17,638.94	7,258.47	301.53	303.44	96.72	79.63	-9,318.94	1,363.47	762.27	601.20	2.268		
17,600.00	7,099.34	17,738.93	7,258.65	304.36	306.26	96.71	76.12	-9,418.88	1,362.89	756.07	606.82	2.246		
17,700.00	7,099.69	17,838.93	7,258.83	307.19	309.09	96.71	72.62	-9,518.82	1,362.31	749.86	612.45	2.224		
17,800.00	7,100.04	17,938.93	7,259.02	310.01	311.92	96.70	69.11	-9,618.75	1,361.73	743.65	618.07	2.203		
17,900.00	7,100.40	18,038.93	7,259.20	312.84	314.74	96.70	65.60	-9,718.69	1,361.14	737.44	623.70	2.182		
18,000.00	7,100.75	18,138.93	7,259.38	315.67	317.57	96.69	62.10	-9,818.63	1,360.56	731.23	629.33	2.162		
18,100.00	7,101.10	18,238.92	7,259.56	318.50	320.40	96.69	58.59	-9,918.56	1,359.98	725.02	634.95	2.142		
18,200.00	7,101.45	18,338.92	7,259.75	321.33	323.22	96.69	55.08	-10,018.50	1,359.39	718.81	640.58	2.122		
18,300.00	7,101.80	18,438.92	7,259.93	324.16	326.05	96.68	51.57	-10,118.44	1,358.81	712.60	646.21	2.103		
18,400.00	7,102.16	18,538.92	7,260.11	326.99	328.88	96.68	48.07	-10,218.37	1,358.23	706.39	651.84	2.084		
18,500.00	7,102.51	18,638.92	7,260.29	329.82	331.71	96.67	44.56	-10,318.31	1,357.65	700.18	657.47	2.065		
18,600.00	7,102.86	18,738.92	7,260.48	332.65	334.54	96.67	41.05	-10,418.25	1,357.06	693.96	663.10	2.047		
18,700.00	7,103.21	18,838.91	7,260.66	335.48	337.37	96.66	37.55	-10,518.18	1,356.48	687.75	668.73	2.028		
18,800.00	7,103.56	18,938.91	7,260.84	338.31	340.20	96.66	34.04	-10,618.12	1,355.90	681.53	674.36	2.011		
18,894.90	7,103.90	19,025.91	7,261.00	341.00	342.66	96.66	30.99	-10,705.07	1,355.37	675.76	679.61	1.994		
18,900.00	7,103.91	19,025.91	7,261.00	341.14	342.66	96.66	30.99	-10,705.07	1,355.38	675.56	679.81	1.994		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1												Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	19,025.91	7,261.00	341.83	342.66	96.66	30.99	-10,705.07	1,355.69	675.01	680.68	1.992 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.46	104.92	0.83	104.92					
100.00	100.00	100.00	100.00	3.28	3.28	0.46	104.92	0.83	104.92	98.35	6.57	15.972		
200.00	200.00	200.00	200.00	3.34	3.34	0.46	104.92	0.83	104.92	98.25	6.67	15.721 CC, ES		
300.00	299.98	299.32	299.30	3.44	3.44	-132.30	105.22	2.53	106.42	99.54	6.88	15.461		
400.00	399.84	398.49	398.33	3.59	3.60	-131.60	106.11	7.60	110.91	103.72	7.19	15.423		
500.00	499.45	497.38	496.85	3.80	3.80	-130.54	107.60	16.02	118.42	110.82	7.59	15.593		
600.00	598.70	595.85	594.59	4.04	4.04	-129.26	109.66	27.72	128.95	120.87	8.08	15.954		
700.00	697.47	693.76	691.32	4.32	4.32	-127.88	112.29	42.64	142.52	133.87	8.65	16.482		
800.00	795.62	791.08	786.89	4.65	4.63	-126.48	115.47	60.67	159.10	149.82	9.28	17.146		
900.00	893.06	889.23	883.00	5.02	4.98	-125.70	118.93	80.28	178.17	168.19	9.97	17.864		
993.00	982.91	980.14	972.02	5.39	5.32	-125.79	122.13	98.46	197.70	187.03	10.67	18.535		
1,000.00	989.65	986.97	978.71	5.42	5.35	-125.84	122.37	99.82	199.23	188.51	10.72	18.581		
1,100.00	1,085.84	1,084.50	1,074.21	5.86	5.73	-126.53	125.81	119.31	221.18	209.68	11.51	19.224		
1,200.00	1,182.03	1,182.03	1,169.71	6.32	6.14	-127.10	129.25	138.81	243.16	230.84	12.32	19.731		
1,300.00	1,278.22	1,279.56	1,265.21	6.79	6.55	-127.58	132.69	158.30	265.16	251.99	13.17	20.134		
1,400.00	1,374.42	1,377.08	1,360.70	7.28	6.98	-127.98	136.12	177.80	287.17	273.13	14.04	20.455		
1,500.00	1,470.61	1,474.61	1,456.20	7.79	7.41	-128.32	139.56	197.29	309.19	294.27	14.93	20.714		
1,600.00	1,566.80	1,572.14	1,551.70	8.30	7.85	-128.62	143.00	216.78	331.22	315.39	15.83	20.924		
1,700.00	1,663.00	1,669.67	1,647.20	8.82	8.30	-128.88	146.43	236.28	353.26	336.52	16.75	21.095		
1,800.00	1,759.19	1,767.20	1,742.70	9.34	8.75	-129.11	149.87	255.77	375.31	357.64	17.67	21.236		
1,900.00	1,855.38	1,864.73	1,838.20	9.87	9.20	-129.32	153.31	275.26	397.36	378.75	18.61	21.352		
2,000.00	1,951.58	1,962.26	1,933.70	10.41	9.66	-129.50	156.75	294.76	419.42	399.86	19.55	21.448		
2,100.00	2,047.77	2,059.79	2,029.20	10.95	10.13	-129.67	160.18	314.25	441.47	420.97	20.51	21.529		
2,200.00	2,143.96	2,157.32	2,124.70	11.49	10.59	-129.81	163.62	333.74	463.54	442.07	21.46	21.597		
2,300.00	2,240.16	2,254.85	2,220.20	12.04	11.06	-129.95	167.06	353.24	485.60	463.17	22.43	21.654		
2,400.00	2,336.35	2,352.38	2,315.70	12.58	11.53	-130.07	170.50	372.73	507.67	484.27	23.39	21.702		
2,500.00	2,432.54	2,449.91	2,411.20	13.13	12.00	-130.19	173.93	392.23	529.74	505.37	24.36	21.743		
2,600.00	2,528.74	2,547.44	2,506.70	13.69	12.47	-130.29	177.37	411.72	551.81	526.47	25.34	21.777		
2,700.00	2,624.93	2,644.96	2,602.20	14.24	12.95	-130.39	180.81	431.21	573.88	547.56	26.32	21.807		
2,800.00	2,721.12	2,742.49	2,697.70	14.80	13.43	-130.48	184.24	450.71	595.95	568.66	27.30	21.832		
2,900.00	2,817.32	2,840.02	2,793.20	15.35	13.90	-130.56	187.68	470.20	618.03	589.75	28.28	21.854		
3,000.00	2,913.51	2,937.55	2,888.70	15.91	14.38	-130.64	191.12	489.69	640.11	610.84	29.26	21.873		
3,100.00	3,009.70	3,035.08	2,984.19	16.47	14.86	-130.71	194.56	509.19	662.18	631.93	30.25	21.889		
3,200.00	3,105.90	3,132.61	3,079.69	17.03	15.34	-130.78	197.99	528.68	684.26	653.02	31.24	21.902		
3,300.00	3,202.09	3,230.14	3,175.19	17.59	15.82	-130.84	201.43	548.17	706.34	674.11	32.23	21.914		
3,400.00	3,298.28	3,327.67	3,270.69	18.15	16.30	-130.90	204.87	567.67	728.42	695.20	33.22	21.924		
3,500.00	3,394.48	3,425.20	3,366.19	18.72	16.79	-130.96	208.31	587.16	750.50	716.28	34.22	21.933		
3,600.00	3,490.67	3,522.73	3,461.69	19.28	17.27	-131.01	211.74	606.66	772.58	737.37	35.21	21.940		
3,700.00	3,586.86	3,620.26	3,557.19	19.84	17.75	-131.06	215.18	626.15	794.66	758.45	36.21	21.947		
3,800.00	3,683.06	3,717.79	3,652.69	20.41	18.24	-131.11	218.62	645.64	816.75	779.54	37.21	21.952		
3,900.00	3,779.25	3,815.32	3,748.19	20.97	18.72	-131.15	222.05	665.14	838.83	800.62	38.20	21.956		
4,000.00	3,875.44	3,912.84	3,843.69	21.54	19.21	-131.19	225.49	684.63	860.91	821.71	39.20	21.960		
4,100.00	3,971.64	4,010.37	3,939.19	22.11	19.69	-131.23	228.93	704.12	883.00	842.79	40.20	21.963		
4,200.00	4,067.83	4,107.90	4,034.69	22.67	20.18	-131.27	232.37	723.62	905.08	863.88	41.20	21.966		
4,300.00	4,164.02	4,205.43	4,130.19	23.24	20.67	-131.31	235.80	743.11	927.16	884.96	42.21	21.968		
4,400.00	4,260.22	4,302.96	4,225.69	23.81	21.15	-131.34	239.24	762.60	949.25	906.04	43.21	21.969		
4,500.00	4,356.41	4,400.49	4,321.19	24.37	21.64	-131.38	242.68	782.10	971.33	927.12	44.21	21.971		
4,600.00	4,452.60	4,501.98	4,416.69	24.94	22.15	-131.41	246.12	801.59	993.42	948.19	45.23	21.962		
4,700.00	4,548.79	4,604.45	4,512.18	25.51	22.66	-131.44	249.55	821.09	1,015.51	969.24	46.26	21.951		
4,800.00	4,644.99	4,706.92	4,607.68	26.08	23.17	-131.47	252.99	840.58	1,037.59	990.30	47.29	21.940		
4,900.00	4,741.18	4,809.39	4,703.18	26.65	23.68	-131.50	256.43	860.07	1,059.68	1,011.36	48.32	21.930		
5,000.00	4,837.37	4,888.14	4,798.68	27.21	24.08	-131.52	259.86	879.57	1,081.76	1,032.53	49.23	21.972		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,985.67	4,894.18	27.78	24.57	-131.55	263.30	899.06	1,103.85	1,053.61	50.24	21.972		
5,200.00	5,029.76	5,083.20	4,989.68	28.35	25.06	-131.57	266.74	918.55	1,125.94	1,074.69	51.24	21.972		
5,300.00	5,125.95	5,180.72	5,085.18	28.92	25.54	-131.60	270.18	938.05	1,148.03	1,095.77	52.25	21.971		
5,400.00	5,222.15	5,278.25	5,180.68	29.49	26.03	-131.62	273.61	957.54	1,170.11	1,116.85	53.26	21.970		
5,500.00	5,318.34	5,375.78	5,276.18	30.06	26.52	-131.64	277.05	977.03	1,192.20	1,137.93	54.27	21.970		
5,600.00	5,414.53	5,473.31	5,371.68	30.63	27.01	-131.66	280.49	996.53	1,214.29	1,159.01	55.27	21.969		
5,700.00	5,510.73	5,570.84	5,467.18	31.20	27.50	-131.68	283.93	1,016.02	1,236.38	1,180.09	56.28	21.968		
5,800.00	5,606.92	5,668.37	5,562.68	31.77	27.99	-131.70	287.36	1,035.52	1,258.46	1,201.17	57.29	21.966		
5,900.00	5,703.11	5,765.90	5,658.18	32.34	28.48	-131.72	290.80	1,055.01	1,280.55	1,222.25	58.30	21.965		
6,000.00	5,799.31	5,863.43	5,753.68	32.91	28.97	-131.74	294.24	1,074.50	1,302.64	1,243.33	59.31	21.964		
6,100.00	5,895.50	5,960.96	5,849.18	33.48	29.46	-131.76	297.67	1,094.00	1,324.73	1,264.41	60.32	21.963		
6,200.00	5,991.69	6,058.49	5,944.68	34.05	29.95	-131.77	301.11	1,113.49	1,346.82	1,285.49	61.33	21.961		
6,300.00	6,087.89	6,156.02	6,040.18	34.62	30.44	-131.79	304.55	1,132.98	1,368.90	1,306.57	62.34	21.960		
6,400.00	6,184.08	6,253.55	6,135.67	35.19	30.93	-131.81	307.99	1,152.48	1,390.99	1,327.65	63.35	21.959		
6,500.00	6,280.27	6,351.08	6,231.17	35.77	31.42	-131.82	311.42	1,171.97	1,413.08	1,348.73	64.36	21.957		
6,535.30	6,314.23	6,385.50	6,264.89	35.97	31.59	-131.83	312.64	1,178.85	1,420.88	1,356.17	64.71	21.957		
6,550.00	6,328.40	6,400.16	6,278.92	36.05	31.67	-135.55	313.14	1,181.72	1,424.13	1,359.27	64.86	21.956		
6,600.00	6,377.01	6,448.48	6,326.55	36.31	31.91	-151.68	314.86	1,191.44	1,435.26	1,369.91	65.35	21.962		
6,650.00	6,426.00	6,496.43	6,373.51	36.54	32.15	-173.45	316.55	1,200.99	1,446.45	1,380.63	65.82	21.975		
6,700.00	6,475.08	6,542.57	6,419.05	36.73	32.37	162.95	318.23	1,208.11	1,457.73	1,391.49	66.24	22.005		
6,750.00	6,523.94	6,589.23	6,465.52	36.90	32.57	143.61	320.02	1,211.94	1,469.06	1,402.42	66.64	22.045		
6,800.00	6,572.28	6,636.49	6,512.72	37.05	32.75	130.11	321.91	1,212.33	1,480.38	1,413.36	67.02	22.089		
6,850.00	6,619.81	6,684.39	6,560.46	37.19	32.92	120.94	323.89	1,209.15	1,491.62	1,424.22	67.40	22.132		
6,900.00	6,666.23	6,733.00	6,608.53	37.32	33.10	114.51	325.97	1,202.27	1,502.71	1,434.92	67.79	22.167		
6,950.00	6,711.25	6,782.39	6,656.68	37.46	33.28	109.80	328.12	1,191.53	1,513.59	1,445.39	68.21	22.191		
7,000.00	6,754.60	6,832.62	6,704.64	37.61	33.48	106.21	330.36	1,176.82	1,524.20	1,455.55	68.65	22.201		
7,050.00	6,796.01	6,883.75	6,752.11	37.77	33.69	103.39	332.65	1,158.01	1,534.47	1,465.33	69.13	22.195		
7,100.00	6,835.22	6,935.84	6,798.76	37.94	33.92	101.13	335.00	1,134.98	1,544.32	1,474.67	69.66	22.170		
7,150.00	6,871.99	6,988.93	6,844.21	38.12	34.18	99.28	337.39	1,107.67	1,553.71	1,483.48	70.23	22.124		
7,200.00	6,906.10	7,043.07	6,888.04	38.34	34.46	97.75	339.81	1,076.01	1,562.56	1,491.71	70.85	22.054		
7,250.00	6,937.34	7,098.28	6,929.80	38.57	34.78	96.48	342.23	1,040.01	1,570.82	1,499.28	71.54	21.958		
7,300.00	6,965.51	7,154.58	6,969.01	38.84	35.15	95.43	344.63	999.71	1,578.42	1,506.12	72.30	21.832		
7,350.00	6,990.44	7,211.95	7,005.15	39.14	35.57	94.57	347.00	955.24	1,585.31	1,512.17	73.14	21.676		
7,400.00	7,011.97	7,270.37	7,037.68	39.47	36.04	93.86	349.31	906.79	1,591.43	1,517.36	74.07	21.487		
7,450.00	7,029.98	7,329.78	7,066.07	39.85	36.57	93.30	351.52	854.67	1,596.73	1,521.65	75.08	21.266		
7,500.00	7,044.34	7,390.12	7,089.80	40.26	37.17	92.88	353.62	799.27	1,601.17	1,524.98	76.20	21.014		
7,550.00	7,054.99	7,451.26	7,108.40	40.72	37.83	92.57	355.57	741.07	1,604.72	1,527.32	77.40	20.733		
7,600.00	7,061.83	7,513.10	7,121.44	41.21	38.55	92.38	357.34	680.68	1,607.32	1,528.63	78.69	20.426		
7,650.00	7,064.85	7,575.46	7,128.60	41.73	39.31	92.30	358.90	618.78	1,608.97	1,528.93	80.05	20.100		
7,661.89	7,065.00	7,590.35	7,129.41	41.86	39.50	92.30	359.24	603.91	1,609.22	1,528.84	80.38	20.020		
7,700.00	7,065.13	7,633.74	7,130.03	42.28	40.07	92.31	360.16	560.54	1,609.84	1,528.42	81.43	19.771		
7,800.00	7,065.47	7,733.73	7,130.23	43.53	41.47	92.31	362.23	460.57	1,611.38	1,527.14	84.24	19.129		
7,900.00	7,065.82	7,833.72	7,130.42	44.94	43.01	92.30	364.29	360.60	1,612.92	1,525.59	87.33	18.470		
8,000.00	7,066.16	7,933.71	7,130.61	46.50	44.68	92.29	366.36	260.64	1,614.45	1,523.78	90.67	17.806		
8,100.00	7,066.50	8,033.70	7,130.81	48.19	46.47	92.28	368.43	160.67	1,615.99	1,521.74	94.25	17.147		
8,200.00	7,066.85	8,133.68	7,131.00	50.00	48.36	92.28	370.50	60.71	1,617.53	1,519.50	98.02	16.501		
8,300.00	7,067.19	8,233.67	7,131.19	51.91	50.34	92.27	372.57	-39.26	1,619.06	1,517.08	101.98	15.876		
8,400.00	7,067.54	8,333.66	7,131.39	53.92	52.41	92.26	374.63	-139.23	1,620.60	1,514.50	106.10	15.274		
8,500.00	7,067.88	8,433.65	7,131.58	56.01	54.55	92.25	376.70	-239.19	1,622.14	1,511.77	110.37	14.698		
8,600.00	7,068.22	8,533.64	7,131.78	58.16	56.75	92.25	378.77	-339.16	1,623.67	1,508.91	114.76	14.149		
8,700.00	7,068.57	8,633.62	7,131.97	60.38	59.01	92.24	380.84	-439.13	1,625.21	1,505.95	119.26	13.627		
8,800.00	7,068.91	8,733.61	7,132.16	62.65	61.32	92.23	382.91	-539.09	1,626.75	1,502.88	123.87	13.133		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	8,833.60	7,132.36	64.97	63.67	92.22	384.97	-639.06	1,628.28	1,499.72	128.56	12.665		
9,000.00	7,069.60	8,933.59	7,132.55	67.34	66.07	92.22	387.04	-739.03	1,629.82	1,496.48	133.34	12.223		
9,100.00	7,069.94	9,033.57	7,132.75	69.74	68.50	92.21	389.11	-838.99	1,631.36	1,493.17	138.19	11.806		
9,200.00	7,070.28	9,133.56	7,132.94	72.18	70.96	92.20	391.18	-938.96	1,632.90	1,489.80	143.10	11.411		
9,300.00	7,070.63	9,233.55	7,133.13	74.65	73.46	92.19	393.25	-1,038.92	1,634.43	1,486.36	148.07	11.038		
9,400.00	7,070.97	9,333.54	7,133.33	77.15	75.98	92.19	395.31	-1,138.89	1,635.97	1,482.88	153.09	10.686		
9,500.00	7,071.32	9,433.53	7,133.52	79.67	78.52	92.18	397.38	-1,238.86	1,637.51	1,479.35	158.16	10.353		
9,600.00	7,071.66	9,533.51	7,133.71	82.22	81.09	92.17	399.45	-1,338.82	1,639.04	1,475.77	163.28	10.039		
9,700.00	7,072.00	9,633.50	7,133.91	84.78	83.67	92.17	401.52	-1,438.79	1,640.58	1,472.15	168.43	9.741		
9,800.00	7,072.35	9,733.49	7,134.10	87.37	86.27	92.16	403.59	-1,538.76	1,642.12	1,468.50	173.62	9.458		
9,900.00	7,072.69	9,833.48	7,134.30	89.97	88.89	92.15	405.65	-1,638.72	1,643.66	1,464.82	178.84	9.191		
10,000.00	7,073.03	9,933.47	7,134.49	92.59	91.52	92.14	407.72	-1,738.69	1,645.19	1,461.10	184.09	8.937		
10,100.00	7,073.38	10,033.45	7,134.68	95.22	94.17	92.14	409.79	-1,838.66	1,646.73	1,457.36	189.37	8.696		
10,200.00	7,073.72	10,133.44	7,134.88	97.86	96.83	92.13	411.86	-1,938.62	1,648.27	1,453.59	194.67	8.467		
10,300.00	7,074.07	10,233.43	7,135.07	100.52	99.50	92.12	413.93	-2,038.59	1,649.80	1,449.80	200.00	8.249		
10,400.00	7,074.41	10,333.42	7,135.27	103.19	102.18	92.12	416.00	-2,138.56	1,651.34	1,445.99	205.35	8.042		
10,500.00	7,074.75	10,433.41	7,135.46	105.87	104.87	92.11	418.06	-2,238.52	1,652.88	1,442.16	210.72	7.844		
10,600.00	7,075.10	10,533.39	7,135.65	108.55	107.57	92.10	420.13	-2,338.49	1,654.42	1,438.31	216.10	7.656		
10,700.00	7,075.44	10,633.38	7,135.85	111.25	110.28	92.09	422.20	-2,438.45	1,655.95	1,434.45	221.51	7.476		
10,800.00	7,075.78	10,733.37	7,136.04	113.96	113.00	92.09	424.27	-2,538.42	1,657.49	1,430.56	226.93	7.304		
10,900.00	7,076.13	10,833.36	7,136.24	116.67	115.72	92.08	426.34	-2,638.39	1,659.03	1,426.67	232.36	7.140		
11,000.00	7,076.47	10,933.35	7,136.43	119.39	118.45	92.07	428.40	-2,738.35	1,660.57	1,422.76	237.81	6.983		
11,100.00	7,076.81	11,033.33	7,136.62	122.11	121.19	92.07	430.47	-2,838.32	1,662.10	1,418.84	243.27	6.832		
11,200.00	7,077.16	11,133.32	7,136.82	124.85	123.93	92.06	432.54	-2,938.29	1,663.64	1,414.90	248.74	6.688		
11,300.00	7,077.50	11,233.31	7,137.01	127.58	126.68	92.05	434.61	-3,038.25	1,665.18	1,410.96	254.22	6.550		
11,400.00	7,077.85	11,333.30	7,137.20	130.33	129.43	92.04	436.68	-3,138.22	1,666.72	1,407.00	259.72	6.417		
11,500.00	7,078.19	11,433.29	7,137.40	133.08	132.19	92.04	438.74	-3,238.19	1,668.25	1,403.03	265.22	6.290		
11,600.00	7,078.53	11,533.27	7,137.59	135.83	134.95	92.03	440.81	-3,338.15	1,669.79	1,399.06	270.73	6.168		
11,700.00	7,078.88	11,633.26	7,137.79	138.59	137.72	92.02	442.88	-3,438.12	1,671.33	1,395.07	276.25	6.050		
11,800.00	7,079.22	11,733.25	7,137.98	141.35	140.49	92.02	444.95	-3,538.08	1,672.87	1,391.08	281.78	5.937		
11,900.00	7,079.56	11,833.24	7,138.17	144.11	143.26	92.01	447.02	-3,638.05	1,674.40	1,387.08	287.32	5.828		
12,000.00	7,079.91	11,933.23	7,138.37	146.88	146.04	92.00	449.08	-3,738.02	1,675.94	1,383.08	292.86	5.723		
12,100.00	7,080.25	12,033.21	7,138.56	149.66	148.82	92.00	451.15	-3,837.98	1,677.48	1,379.06	298.42	5.621		
12,200.00	7,080.60	12,133.20	7,138.76	152.43	151.61	91.99	453.22	-3,937.95	1,679.02	1,375.04	303.97	5.524		
12,300.00	7,080.94	12,233.19	7,138.95	155.21	154.39	91.98	455.29	-4,037.92	1,680.55	1,371.02	309.54	5.429		
12,400.00	7,081.28	12,333.18	7,139.14	157.99	157.18	91.97	457.36	-4,137.88	1,682.09	1,366.99	315.11	5.338		
12,500.00	7,081.63	12,433.17	7,139.34	160.78	159.98	91.97	459.42	-4,237.85	1,683.63	1,362.95	320.68	5.250		
12,600.00	7,081.97	12,533.15	7,139.53	163.57	162.77	91.96	461.49	-4,337.82	1,685.17	1,358.91	326.26	5.165		
12,700.00	7,082.31	12,633.14	7,139.72	166.36	165.57	91.95	463.56	-4,437.78	1,686.71	1,354.86	331.85	5.083		
12,800.00	7,082.66	12,733.13	7,139.92	169.15	168.37	91.95	465.63	-4,537.75	1,688.24	1,350.81	337.44	5.003		
12,900.00	7,083.00	12,833.12	7,140.11	171.94	171.17	91.94	467.70	-4,637.72	1,689.78	1,346.75	343.03	4.926		
13,000.00	7,083.35	12,933.11	7,140.31	174.74	173.98	91.93	469.76	-4,737.68	1,691.32	1,342.69	348.63	4.851		
13,100.00	7,083.69	13,033.09	7,140.50	177.54	176.78	91.93	471.83	-4,837.65	1,692.86	1,338.62	354.23	4.779		
13,200.00	7,084.03	13,133.08	7,140.69	180.34	179.59	91.92	473.90	-4,937.61	1,694.40	1,334.56	359.84	4.709		
13,300.00	7,084.38	13,233.07	7,140.89	183.14	182.40	91.91	475.97	-5,037.58	1,695.93	1,330.48	365.45	4.641		
13,400.00	7,084.72	13,333.06	7,141.08	185.95	185.21	91.91	478.04	-5,137.55	1,697.47	1,326.41	371.06	4.575		
13,500.00	7,085.06	13,433.05	7,141.28	188.76	188.03	91.90	480.10	-5,237.51	1,699.01	1,322.33	376.68	4.510		
13,600.00	7,085.41	13,533.03	7,141.47	191.56	190.84	91.89	482.17	-5,337.48	1,700.55	1,318.25	382.30	4.448		
13,700.00	7,085.75	13,633.02	7,141.66	194.37	193.66	91.89	484.24	-5,437.45	1,702.09	1,314.16	387.93	4.388		
13,800.00	7,086.09	13,733.01	7,141.86	197.18	196.48	91.88	486.31	-5,537.41	1,703.62	1,310.07	393.55	4.329		
13,900.00	7,086.44	13,833.00	7,142.05	200.00	199.29	91.87	488.38	-5,637.38	1,705.16	1,305.98	399.18	4.272		
14,000.00	7,086.78	13,932.99	7,142.24	202.81	202.11	91.87	490.44	-5,737.35	1,706.70	1,301.89	404.81	4.216		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	14,032.97	7,142.44	205.63	204.94	91.86	492.51	-5,837.31	1,708.24	1,297.79	410.45	4.162		
14,200.00	7,087.47	14,132.96	7,142.63	208.44	207.76	91.85	494.58	-5,937.28	1,709.78	1,293.69	416.08	4.109		
14,300.00	7,087.81	14,232.95	7,142.83	211.26	210.58	91.85	496.65	-6,037.24	1,711.32	1,289.59	421.72	4.058		
14,400.00	7,088.16	14,332.94	7,143.02	214.08	213.41	91.84	498.72	-6,137.21	1,712.85	1,285.49	427.37	4.008		
14,500.00	7,088.50	14,432.93	7,143.21	216.90	216.23	91.83	500.79	-6,237.18	1,714.39	1,281.38	433.01	3.959		
14,600.00	7,088.84	14,532.91	7,143.41	219.72	219.06	91.83	502.85	-6,337.14	1,715.93	1,277.27	438.66	3.912		
14,700.00	7,089.19	14,632.90	7,143.60	222.54	221.89	91.82	504.92	-6,437.11	1,717.47	1,273.16	444.30	3.866		
14,800.00	7,089.53	14,732.89	7,143.80	225.37	224.72	91.81	506.99	-6,537.08	1,719.01	1,269.05	449.96	3.820		
14,900.00	7,089.88	14,832.88	7,143.99	228.19	227.55	91.81	509.06	-6,637.04	1,720.55	1,264.94	455.61	3.776		
15,000.00	7,090.22	15,046.56	7,144.41	231.02	233.57	91.80	505.97	-6,850.66	1,718.34	1,254.78	463.56	3.707		
15,100.00	7,090.56	15,146.43	7,144.60	233.84	236.37	91.80	501.43	-6,950.42	1,713.27	1,244.09	469.18	3.652		
15,200.00	7,090.91	15,246.30	7,144.80	236.67	239.17	91.80	496.89	-7,050.19	1,708.20	1,233.39	474.81	3.598		
15,227.29	7,091.00	15,273.56	7,144.85	237.44	239.93	91.80	495.66	-7,077.42	1,706.81	1,230.47	476.34	3.583		
15,300.00	7,091.25	15,346.21	7,145.00	239.49	241.97	91.80	492.35	-7,150.00	1,704.05	1,223.61	480.43	3.547		
15,326.57	7,091.35	15,372.78	7,145.05	240.24	242.72	91.80	491.15	-7,176.54	1,703.50	1,221.57	481.93	3.535		
15,400.00	7,091.60	15,446.20	7,145.19	242.30	244.78	91.80	487.81	-7,249.88	1,702.32	1,216.26	486.06	3.502		
15,500.00	7,091.96	15,546.19	7,145.39	245.12	247.59	91.80	483.27	-7,349.76	1,700.71	1,209.02	491.68	3.459		
15,600.00	7,092.31	15,646.17	7,145.59	247.93	250.39	91.79	478.72	-7,449.65	1,699.10	1,201.79	497.31	3.417		
15,700.00	7,092.66	15,746.16	7,145.78	250.75	253.20	91.79	474.18	-7,549.53	1,697.49	1,194.55	502.94	3.375		
15,800.00	7,093.01	15,846.15	7,145.98	253.56	256.01	91.79	469.63	-7,649.41	1,695.88	1,187.31	508.57	3.335		
15,900.00	7,093.36	15,946.13	7,146.18	256.38	258.82	91.78	465.09	-7,749.30	1,694.27	1,180.07	514.20	3.295		
16,000.00	7,093.71	16,046.12	7,146.37	259.20	261.63	91.78	460.55	-7,849.18	1,692.66	1,172.83	519.84	3.256		
16,100.00	7,094.07	16,146.11	7,146.57	262.02	264.44	91.78	456.00	-7,949.07	1,691.05	1,165.58	525.47	3.218		
16,200.00	7,094.42	16,246.09	7,146.77	264.84	267.26	91.77	451.46	-8,048.95	1,689.44	1,158.34	531.11	3.181		
16,300.00	7,094.77	16,346.08	7,146.96	267.65	270.07	91.77	446.92	-8,148.83	1,687.84	1,151.09	536.74	3.145		
16,400.00	7,095.12	16,446.07	7,147.16	270.47	272.88	91.77	442.37	-8,248.72	1,686.23	1,143.85	542.38	3.109		
16,500.00	7,095.47	16,546.06	7,147.36	273.30	275.69	91.76	437.83	-8,348.60	1,684.62	1,136.60	548.02	3.074		
16,600.00	7,095.82	16,646.04	7,147.55	276.12	278.51	91.76	433.28	-8,448.48	1,683.01	1,129.35	553.66	3.040		
16,700.00	7,096.18	16,746.03	7,147.75	278.94	281.32	91.75	428.74	-8,548.37	1,681.40	1,122.10	559.30	3.006		
16,800.00	7,096.53	16,846.02	7,147.95	281.76	284.14	91.75	424.20	-8,648.25	1,679.79	1,114.85	564.94	2.973		
16,900.00	7,096.88	16,946.00	7,148.14	284.58	286.96	91.75	419.65	-8,748.13	1,678.18	1,107.60	570.58	2.941		
17,000.00	7,097.23	17,045.99	7,148.34	287.41	289.77	91.74	415.11	-8,848.02	1,676.57	1,100.35	576.23	2.910		
17,100.00	7,097.58	17,145.98	7,148.54	290.23	292.59	91.74	410.57	-8,947.90	1,674.96	1,093.09	581.87	2.879		
17,200.00	7,097.93	17,245.96	7,148.73	293.06	295.41	91.74	406.02	-9,047.78	1,673.36	1,085.84	587.52	2.848		
17,300.00	7,098.29	17,345.95	7,148.93	295.88	298.23	91.73	401.48	-9,147.67	1,671.75	1,078.58	593.16	2.818		
17,400.00	7,098.64	17,445.94	7,149.13	298.71	301.04	91.73	396.93	-9,247.55	1,670.14	1,071.33	598.81	2.789		
17,500.00	7,098.99	17,545.93	7,149.32	301.53	303.86	91.73	392.39	-9,347.43	1,668.53	1,064.07	604.46	2.760		
17,600.00	7,099.34	17,645.91	7,149.52	304.36	306.68	91.72	387.85	-9,447.32	1,666.92	1,056.81	610.11	2.732		
17,700.00	7,099.69	17,745.90	7,149.72	307.19	309.50	91.72	383.30	-9,547.20	1,665.31	1,049.55	615.76	2.704		
17,800.00	7,100.04	17,845.89	7,149.91	310.01	312.32	91.71	378.76	-9,647.09	1,663.70	1,042.29	621.41	2.677		
17,900.00	7,100.40	17,945.87	7,150.11	312.84	315.14	91.71	374.22	-9,746.97	1,662.09	1,035.03	627.06	2.651		
18,000.00	7,100.75	18,045.86	7,150.31	315.67	317.97	91.71	369.67	-9,846.85	1,660.49	1,027.77	632.71	2.624		
18,100.00	7,101.10	18,145.85	7,150.50	318.50	320.79	91.70	365.13	-9,946.74	1,658.88	1,020.51	638.37	2.599		
18,200.00	7,101.45	18,245.83	7,150.70	321.33	323.61	91.70	360.58	-10,046.62	1,657.27	1,013.25	644.02	2.573		
18,300.00	7,101.80	18,345.82	7,150.90	324.16	326.43	91.70	356.04	-10,146.50	1,655.66	1,005.98	649.67	2.548		
18,400.00	7,102.16	18,445.81	7,151.09	326.99	329.25	91.69	351.50	-10,246.39	1,654.05	998.72	655.33	2.524		
18,500.00	7,102.51	18,545.80	7,151.29	329.82	332.08	91.69	346.95	-10,346.27	1,652.44	991.46	660.98	2.500		
18,600.00	7,102.86	18,645.78	7,151.49	332.65	334.90	91.69	342.41	-10,446.15	1,650.83	984.19	666.64	2.476		
18,700.00	7,103.21	18,745.77	7,151.68	335.48	337.72	91.68	337.87	-10,546.04	1,649.22	976.93	672.30	2.453		
18,800.00	7,103.56	18,845.76	7,151.88	338.31	340.55	91.68	333.32	-10,645.92	1,647.62	969.66	677.95	2.430		
18,887.00	7,103.87	18,906.26	7,152.00	340.77	342.26	91.68	330.57	-10,706.36	1,646.43	963.90	682.53	2.412		
18,900.00	7,103.91	18,906.26	7,152.00	341.14	342.26	91.68	330.57	-10,706.36	1,646.48	963.45	683.03	2.411		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	18,906.26	7,152.00	341.83	342.26	91.68	330.57	-10,706.36	1,646.86	962.99	683.86	2.408 SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-47.65	1,546.90	-1,697.13	2,296.33					
100.00	100.00	104.00	96.00	3.28	3.78	-47.65	1,546.90	-1,697.13	2,296.33	2,289.26	7.07	324.899		
200.00	200.00	204.00	196.00	3.34	6.30	-47.65	1,546.90	-1,697.13	2,296.33	2,286.70	9.63	238.338 CC		
300.00	299.98	304.02	295.98	3.44	9.46	179.35	1,546.90	-1,697.13	2,298.08	2,285.18	12.90	178.201 ES		
400.00	399.84	404.16	395.84	3.59	12.79	179.35	1,546.90	-1,697.13	2,303.31	2,286.92	16.39	140.564		
500.00	499.45	504.55	495.45	3.80	16.20	179.35	1,546.90	-1,697.13	2,312.02	2,292.02	20.00	115.600		
600.00	598.70	605.30	594.70	4.04	19.66	179.35	1,546.90	-1,697.13	2,324.21	2,300.51	23.70	98.065		
700.00	697.47	706.53	693.47	4.32	23.15	179.35	1,546.90	-1,697.13	2,339.85	2,312.38	27.47	85.173		
800.00	795.62	808.38	791.62	4.65	26.68	179.35	1,546.90	-1,697.13	2,358.93	2,327.63	31.31	75.353		
900.00	893.06	889.06	889.06	5.02	29.47	179.35	1,546.90	-1,697.13	2,381.42	2,346.99	34.44	69.151		
993.00	982.91	978.91	978.91	5.39	32.59	179.35	1,546.90	-1,697.13	2,405.38	2,367.49	37.89	63.484		
1,000.00	989.65	985.65	985.65	5.42	32.83	179.35	1,546.90	-1,697.13	2,407.29	2,369.14	38.15	63.093		
1,100.00	1,085.84	1,081.84	1,081.84	5.86	36.17	179.36	1,546.90	-1,697.13	2,434.62	2,392.76	41.86	58.159		
1,200.00	1,182.03	1,178.03	1,178.03	6.32	39.52	179.37	1,546.90	-1,697.13	2,461.95	2,416.36	45.59	54.006		
1,300.00	1,278.22	1,274.22	1,274.22	6.79	42.86	179.38	1,546.90	-1,697.13	2,489.28	2,439.95	49.33	50.464		
1,400.00	1,374.42	1,370.42	1,370.42	7.28	46.21	179.38	1,546.90	-1,697.13	2,516.60	2,463.52	53.08	47.410		
1,500.00	1,470.61	1,466.61	1,466.61	7.79	49.56	179.39	1,546.90	-1,697.13	2,543.93	2,487.08	56.85	44.752		
1,600.00	1,566.80	1,562.80	1,562.80	8.30	52.91	179.40	1,546.90	-1,697.13	2,571.26	2,510.64	60.62	42.417		
1,700.00	1,663.00	1,659.00	1,659.00	8.82	56.27	179.40	1,546.90	-1,697.13	2,598.58	2,534.19	64.40	40.351		
1,800.00	1,759.19	1,755.19	1,755.19	9.34	59.62	179.41	1,546.90	-1,697.13	2,625.91	2,557.73	68.19	38.511		
1,900.00	1,855.38	1,851.38	1,851.38	9.87	62.97	179.41	1,546.90	-1,697.13	2,653.24	2,581.26	71.98	36.862		
2,000.00	1,951.58	1,947.58	1,947.58	10.41	66.33	179.42	1,546.90	-1,697.13	2,680.57	2,604.79	75.77	35.375		
2,100.00	2,047.77	2,043.77	2,043.77	10.95	69.68	179.43	1,546.90	-1,697.13	2,707.89	2,628.32	79.58	34.029		
2,200.00	2,143.96	2,139.96	2,139.96	11.49	73.03	179.43	1,546.90	-1,697.13	2,735.22	2,651.84	83.38	32.804		
2,300.00	2,240.16	2,236.16	2,236.16	12.04	76.39	179.44	1,546.90	-1,697.13	2,762.55	2,675.36	87.19	31.685		
2,400.00	2,336.35	2,332.35	2,332.35	12.58	79.74	179.44	1,546.90	-1,697.13	2,789.88	2,698.88	91.00	30.659		
2,500.00	2,432.54	2,428.54	2,428.54	13.13	83.10	179.45	1,546.90	-1,697.13	2,817.20	2,722.40	94.81	29.714		
2,600.00	2,528.74	2,524.74	2,524.74	13.69	86.46	179.45	1,546.90	-1,697.13	2,844.53	2,745.91	98.62	28.842		
2,700.00	2,624.93	2,620.93	2,620.93	14.24	89.81	179.46	1,546.90	-1,697.13	2,871.86	2,769.42	102.44	28.034		
2,800.00	2,721.12	2,717.12	2,717.12	14.80	93.17	179.46	1,546.90	-1,697.13	2,899.19	2,792.93	106.26	27.284		
2,900.00	2,817.32	2,813.32	2,813.32	15.35	96.52	179.47	1,546.90	-1,697.13	2,926.52	2,816.44	110.08	26.586		
3,000.00	2,913.51	2,909.51	2,909.51	15.91	99.88	179.47	1,546.90	-1,697.13	2,953.84	2,839.94	113.90	25.934		
3,100.00	3,009.70	3,005.70	3,005.70	16.47	103.24	179.48	1,546.90	-1,697.13	2,981.17	2,863.45	117.72	25.324		
3,200.00	3,105.90	3,101.90	3,101.90	17.03	106.59	179.48	1,546.90	-1,697.13	3,008.50	2,886.95	121.54	24.752		
3,300.00	3,202.09	3,201.91	3,198.09	17.59	110.08	179.49	1,546.90	-1,697.13	3,035.83	2,910.33	125.50	24.190		
3,400.00	3,298.28	3,305.72	3,294.28	18.15	113.70	179.49	1,546.90	-1,697.13	3,063.15	2,933.56	129.59	23.637		
3,500.00	3,394.48	3,409.52	3,390.48	18.72	117.33	179.50	1,546.90	-1,697.13	3,090.48	2,956.80	133.68	23.118		
3,600.00	3,490.67	3,486.67	3,486.67	19.28	120.02	179.50	1,546.90	-1,697.13	3,117.81	2,980.96	136.85	22.783		
3,700.00	3,586.86	3,582.86	3,582.86	19.84	123.38	179.51	1,546.90	-1,697.13	3,145.14	3,004.46	140.67	22.358		
3,800.00	3,683.06	3,679.06	3,679.06	20.41	126.73	179.51	1,546.90	-1,697.13	3,172.47	3,027.96	144.50	21.955		
3,900.00	3,779.25	3,775.25	3,775.25	20.97	130.09	179.51	1,546.90	-1,697.13	3,199.79	3,051.46	148.33	21.572		
4,000.00	3,875.44	3,871.44	3,871.44	21.54	133.45	179.52	1,546.90	-1,697.13	3,227.12	3,074.96	152.16	21.209		
4,100.00	3,971.64	3,967.64	3,967.64	22.11	136.80	179.52	1,546.90	-1,697.13	3,254.45	3,098.46	155.99	20.863		
4,200.00	4,067.83	4,063.83	4,063.83	22.67	140.16	179.53	1,546.90	-1,697.13	3,281.78	3,121.96	159.82	20.534		
4,300.00	4,164.02	4,160.02	4,160.02	23.24	143.52	179.53	1,546.90	-1,697.13	3,309.10	3,145.46	163.65	20.221		
4,400.00	4,260.22	4,256.22	4,256.22	23.81	146.88	179.53	1,546.90	-1,697.13	3,336.43	3,168.95	167.48	19.921		
4,500.00	4,356.41	4,352.41	4,352.41	24.37	150.23	179.54	1,546.90	-1,697.13	3,363.76	3,192.45	171.31	19.635		
4,600.00	4,452.60	4,448.60	4,448.60	24.94	153.59	179.54	1,546.90	-1,697.13	3,391.09	3,215.95	175.14	19.362		
4,700.00	4,548.79	4,544.79	4,544.79	25.51	156.95	179.55	1,546.90	-1,697.13	3,418.42	3,239.44	178.98	19.100		
4,800.00	4,644.99	4,640.99	4,640.99	26.08	160.31	179.55	1,546.90	-1,697.13	3,445.74	3,262.94	182.81	18.849		
4,900.00	4,741.18	4,737.18	4,737.18	26.65	163.66	179.55	1,546.90	-1,697.13	3,473.07	3,286.43	186.64	18.608		
5,000.00	4,837.37	4,833.37	4,833.37	27.21	167.02	179.56	1,546.90	-1,697.13	3,500.40	3,309.93	190.47	18.377		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,929.57	4,929.57	27.78	170.38	179.56	1,546.90	-1,697.13	3,527.73	3,333.42	194.31	18.155		
5,200.00	5,029.76	5,025.76	5,025.76	28.35	173.74	179.56	1,546.90	-1,697.13	3,555.06	3,356.92	198.14	17.942		
5,300.00	5,125.95	5,121.95	5,121.95	28.92	177.09	179.57	1,546.90	-1,697.13	3,582.38	3,380.41	201.97	17.737		
5,400.00	5,222.15	5,218.15	5,218.15	29.49	180.45	179.57	1,546.90	-1,697.13	3,609.71	3,403.90	205.81	17.539		
5,500.00	5,318.34	5,314.34	5,314.34	30.06	183.81	179.57	1,546.90	-1,697.13	3,637.04	3,427.40	209.64	17.349		
5,600.00	5,414.53	5,410.53	5,410.53	30.63	187.17	179.58	1,546.90	-1,697.13	3,664.37	3,450.89	213.48	17.165		
5,700.00	5,510.73	5,506.73	5,506.73	31.20	190.52	179.58	1,546.90	-1,697.13	3,691.70	3,474.38	217.31	16.988		
5,800.00	5,606.92	5,602.92	5,602.92	31.77	193.88	179.58	1,546.90	-1,697.13	3,719.02	3,497.88	221.15	16.817		
5,900.00	5,703.11	5,700.89	5,699.11	32.34	197.30	179.58	1,546.90	-1,697.13	3,746.35	3,521.31	225.05	16.647		
6,000.00	5,799.31	5,804.69	5,795.31	32.91	200.92	179.59	1,546.90	-1,697.13	3,773.68	3,544.53	229.15	16.468		
6,100.00	5,895.50	5,908.50	5,891.50	33.48	204.55	179.59	1,546.90	-1,697.13	3,801.01	3,567.76	233.25	16.296		
6,200.00	5,991.69	5,987.69	5,987.69	34.05	207.31	179.59	1,546.90	-1,697.13	3,828.34	3,591.85	236.49	16.188		
6,300.00	6,087.89	6,083.89	6,083.89	34.62	210.67	179.60	1,546.90	-1,697.13	3,855.67	3,615.34	240.33	16.043		
6,400.00	6,184.08	6,180.08	6,180.08	35.19	214.03	179.60	1,546.90	-1,697.13	3,882.99	3,638.83	244.16	15.903		
6,500.00	6,280.27	6,276.27	6,276.27	35.77	217.38	179.60	1,546.90	-1,697.13	3,910.32	3,662.32	248.00	15.767		
6,535.30	6,314.23	6,310.23	6,310.23	35.97	218.57	179.60	1,546.90	-1,697.13	3,919.97	3,670.62	249.35	15.721		
6,550.00	6,328.40	6,324.40	6,324.40	36.05	219.06	175.93	1,546.90	-1,697.13	3,923.87	3,673.95	249.92	15.701		
6,600.00	6,377.01	6,373.01	6,373.01	36.31	220.76	160.02	1,546.90	-1,697.13	3,935.32	3,683.48	251.85	15.626		
6,650.00	6,426.00	6,422.00	6,422.00	36.54	222.47	138.55	1,546.90	-1,697.13	3,943.95	3,690.17	253.78	15.541		
6,700.00	6,475.08	6,471.08	6,471.08	36.73	224.18	115.44	1,546.90	-1,697.13	3,949.69	3,694.00	255.69	15.447		
6,750.00	6,523.94	6,519.94	6,519.94	36.90	225.89	96.78	1,546.90	-1,697.13	3,952.54	3,694.95	257.59	15.344		
6,800.00	6,572.28	6,568.28	6,568.28	37.05	227.58	84.17	1,546.90	-1,697.13	3,952.49	3,693.05	259.44	15.234		
6,850.00	6,619.81	6,615.81	6,615.81	37.19	229.24	76.06	1,546.90	-1,697.13	3,949.58	3,688.32	261.26	15.118		
6,900.00	6,666.23	6,662.23	6,662.23	37.32	230.86	70.88	1,546.90	-1,697.13	3,943.84	3,680.82	263.01	14.995		
6,950.00	6,711.25	6,707.25	6,707.25	37.46	232.43	67.60	1,546.90	-1,697.13	3,935.34	3,670.63	264.71	14.867		
7,000.00	6,754.60	6,750.60	6,750.60	37.61	233.94	65.62	1,546.90	-1,697.13	3,924.17	3,657.84	266.33	14.734		
7,050.00	6,796.01	6,807.99	6,792.01	37.77	235.94	64.60	1,546.90	-1,697.13	3,910.44	3,642.00	268.44	14.567		
7,100.00	6,835.22	6,831.22	6,831.22	37.94	236.76	64.32	1,546.90	-1,697.13	3,894.27	3,624.91	269.36	14.457		
7,150.00	6,871.99	6,867.99	6,867.99	38.12	238.04	64.64	1,546.90	-1,697.13	3,875.80	3,605.05	270.75	14.315		
7,200.00	6,906.10	6,902.10	6,902.10	38.34	239.23	65.48	1,546.90	-1,697.13	3,855.19	3,583.13	272.07	14.170		
7,250.00	6,937.34	6,933.34	6,933.34	38.57	240.32	66.78	1,546.90	-1,697.13	3,832.60	3,559.31	273.29	14.024		
7,300.00	6,965.51	6,961.51	6,961.51	38.84	241.30	68.49	1,546.90	-1,697.13	3,808.21	3,533.77	274.44	13.876		
7,350.00	6,990.44	6,986.44	6,986.44	39.14	242.17	70.58	1,546.90	-1,697.13	3,782.21	3,506.71	275.50	13.728		
7,400.00	7,011.97	7,007.97	7,007.97	39.47	242.93	73.01	1,546.90	-1,697.13	3,754.80	3,478.31	276.48	13.580		
7,450.00	7,029.98	7,025.98	7,025.98	39.85	243.55	75.75	1,546.90	-1,697.13	3,726.16	3,448.78	277.38	13.433		
7,500.00	7,044.34	7,040.34	7,040.34	40.26	244.06	78.76	1,546.90	-1,697.13	3,696.51	3,418.31	278.20	13.287		
7,550.00	7,054.99	7,050.99	7,050.99	40.72	244.43	82.01	1,546.90	-1,697.13	3,666.05	3,387.12	278.93	13.143		
7,600.00	7,061.83	7,057.83	7,057.83	41.21	244.67	85.43	1,546.90	-1,697.13	3,634.99	3,355.41	279.58	13.002		
7,650.00	7,064.85	7,060.85	7,060.85	41.73	244.77	88.98	1,546.90	-1,697.13	3,603.51	3,323.38	280.13	12.864		
7,661.89	7,065.00	7,061.00	7,061.00	41.86	244.78	89.84	1,546.90	-1,697.13	3,595.99	3,315.73	280.25	12.831		
7,700.00	7,065.13	7,061.13	7,061.13	42.28	244.78	89.84	1,546.90	-1,697.13	3,571.98	3,291.34	280.63	12.728		
7,800.00	7,065.47	7,061.47	7,061.47	43.53	244.79	89.85	1,546.90	-1,697.13	3,510.16	3,228.39	281.77	12.458		
7,900.00	7,065.82	7,061.82	7,061.82	44.94	244.80	89.86	1,546.90	-1,697.13	3,450.14	3,167.05	283.09	12.187		
8,000.00	7,066.16	7,062.16	7,062.16	46.50	244.82	89.86	1,546.90	-1,697.13	3,392.00	3,107.41	284.60	11.919		
8,100.00	7,066.50	7,062.50	7,062.50	48.19	244.83	89.87	1,546.90	-1,697.13	3,335.85	3,049.57	286.28	11.652		
8,200.00	7,066.85	7,062.85	7,062.85	50.00	244.84	89.88	1,546.90	-1,697.13	3,281.79	2,993.64	288.14	11.389		
8,300.00	7,067.19	7,063.19	7,063.19	51.91	244.85	89.88	1,546.90	-1,697.13	3,229.91	2,939.74	290.17	11.131		
8,400.00	7,067.54	7,063.54	7,063.54	53.92	244.86	89.89	1,546.90	-1,697.13	3,180.34	2,887.98	292.36	10.878		
8,500.00	7,067.88	7,063.88	7,063.88	56.01	244.88	89.90	1,546.90	-1,697.13	3,133.17	2,838.48	294.69	10.632		
8,600.00	7,068.22	7,064.22	7,064.22	58.16	244.89	89.91	1,546.90	-1,697.13	3,088.53	2,791.37	297.16	10.393		
8,700.00	7,068.57	7,064.57	7,064.57	60.38	244.90	89.91	1,546.90	-1,697.13	3,046.51	2,746.76	299.75	10.163		
8,800.00	7,068.91	7,064.91	7,064.91	62.65	244.91	89.92	1,546.90	-1,697.13	3,007.23	2,704.78	302.45	9.943		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,065.25	7,065.25	64.97	244.92	89.93	1,546.90	-1,697.13	2,970.80	2,665.55	305.25	9.732		
9,000.00	7,069.60	7,065.60	7,065.60	67.34	244.94	89.93	1,546.90	-1,697.13	2,937.33	2,629.20	308.12	9.533		
9,100.00	7,069.94	7,065.94	7,065.94	69.74	244.95	89.94	1,546.90	-1,697.13	2,906.91	2,595.84	311.06	9.345		
9,200.00	7,070.28	7,066.28	7,066.28	72.18	244.96	89.95	1,546.90	-1,697.13	2,879.64	2,565.59	314.05	9.169		
9,300.00	7,070.63	7,066.63	7,066.63	74.65	244.97	89.95	1,546.90	-1,697.13	2,855.62	2,538.55	317.07	9.006		
9,400.00	7,070.97	7,066.97	7,066.97	77.15	244.98	89.96	1,546.90	-1,697.13	2,834.92	2,514.82	320.10	8.856		
9,500.00	7,071.32	7,067.32	7,067.32	79.67	245.00	89.97	1,546.90	-1,697.13	2,817.62	2,494.50	323.12	8.720		
9,600.00	7,071.66	7,067.66	7,067.66	82.22	245.01	89.98	1,546.90	-1,697.13	2,803.78	2,477.65	326.13	8.597		
9,700.00	7,072.00	7,068.00	7,068.00	84.78	245.02	89.98	1,546.90	-1,697.13	2,793.46	2,464.36	329.10	8.488		
9,800.00	7,072.35	7,068.35	7,068.35	87.37	245.03	89.99	1,546.90	-1,697.13	2,786.69	2,454.68	332.01	8.393		
9,900.00	7,072.69	7,068.69	7,068.69	89.97	245.04	90.00	1,546.90	-1,697.13	2,783.50	2,448.64	334.86	8.313		
9,938.91	7,072.82	7,068.82	7,068.82	90.99	245.05	90.00	1,546.90	-1,697.13	2,783.22	2,447.28	335.94	8.285		
10,000.00	7,073.03	7,069.03	7,069.03	92.59	245.06	90.00	1,546.90	-1,697.13	2,783.90	2,446.28	337.62	8.246		
10,100.00	7,073.38	7,069.38	7,069.38	95.22	245.07	90.01	1,546.90	-1,697.13	2,787.88	2,447.60	340.28	8.193		
10,200.00	7,073.72	7,069.72	7,069.72	97.86	245.08	90.02	1,546.90	-1,697.13	2,795.44	2,452.61	342.84	8.154		
10,300.00	7,074.07	7,070.07	7,070.07	100.52	245.09	90.03	1,546.90	-1,697.13	2,806.55	2,461.28	345.27	8.128		
10,400.00	7,074.41	7,070.41	7,070.41	103.19	245.10	90.03	1,546.90	-1,697.13	2,821.16	2,473.58	347.58	8.116 SF		
10,500.00	7,074.75	7,070.75	7,070.75	105.87	245.12	90.04	1,546.90	-1,697.13	2,839.22	2,489.45	349.76	8.118		
10,600.00	7,075.10	7,071.10	7,071.10	108.55	245.13	90.05	1,546.90	-1,697.13	2,860.66	2,508.85	351.81	8.131		
10,700.00	7,075.44	7,071.44	7,071.44	111.25	245.14	90.05	1,546.90	-1,697.13	2,885.41	2,531.70	353.71	8.158		
10,800.00	7,075.78	7,071.78	7,071.78	113.96	245.15	90.06	1,546.90	-1,697.13	2,913.38	2,557.91	355.47	8.196		
10,900.00	7,076.13	7,072.13	7,072.13	116.67	245.16	90.07	1,546.90	-1,697.13	2,944.49	2,587.39	357.10	8.246		
11,000.00	7,076.47	7,072.47	7,072.47	119.39	245.18	90.08	1,546.90	-1,697.13	2,978.63	2,620.04	358.58	8.307		
11,100.00	7,076.81	7,072.81	7,072.81	122.11	245.19	90.08	1,546.90	-1,697.13	3,015.70	2,655.76	359.94	8.378		
11,200.00	7,077.16	7,073.16	7,073.16	124.85	245.20	90.09	1,546.90	-1,697.13	3,055.60	2,694.43	361.16	8.460		
11,300.00	7,077.50	7,073.50	7,073.50	127.58	245.21	90.10	1,546.90	-1,697.13	3,098.21	2,735.94	362.26	8.552		
11,400.00	7,077.85	7,073.85	7,073.85	130.33	245.22	90.10	1,546.90	-1,697.13	3,143.42	2,780.17	363.25	8.654		
11,500.00	7,078.19	7,074.19	7,074.19	133.08	245.24	90.11	1,546.90	-1,697.13	3,191.13	2,827.01	364.12	8.764		
11,600.00	7,078.53	7,074.53	7,074.53	135.83	245.25	90.12	1,546.90	-1,697.13	3,241.22	2,876.34	364.88	8.883		
11,700.00	7,078.88	7,074.88	7,074.88	138.59	245.26	90.12	1,546.90	-1,697.13	3,293.59	2,928.04	365.55	9.010		
11,800.00	7,079.22	7,075.22	7,075.22	141.35	245.27	90.13	1,546.90	-1,697.13	3,348.13	2,982.00	366.12	9.145		
11,900.00	7,079.56	7,075.56	7,075.56	144.11	245.28	90.14	1,546.90	-1,697.13	3,404.73	3,038.11	366.61	9.287		
12,000.00	7,079.91	7,075.91	7,075.91	146.88	245.30	90.15	1,546.90	-1,697.13	3,463.29	3,096.27	367.02	9.436		
12,100.00	7,080.25	7,076.25	7,076.25	149.66	245.31	90.15	1,546.90	-1,697.13	3,523.72	3,156.36	367.36	9.592		
12,200.00	7,080.60	7,076.60	7,076.60	152.43	245.32	90.16	1,546.90	-1,697.13	3,585.92	3,218.28	367.63	9.754		
12,300.00	7,080.94	7,076.94	7,076.94	155.21	245.33	90.17	1,546.90	-1,697.13	3,649.80	3,281.95	367.84	9.922		
12,400.00	7,081.28	7,077.28	7,077.28	157.99	245.34	90.17	1,546.90	-1,697.13	3,715.27	3,347.27	368.00	10.096		
12,500.00	7,081.63	7,077.63	7,077.63	160.78	245.36	90.18	1,546.90	-1,697.13	3,782.25	3,414.14	368.11	10.275		
12,600.00	7,081.97	7,077.97	7,077.97	163.57	245.37	90.19	1,546.90	-1,697.13	3,850.67	3,482.50	368.17	10.459		
12,700.00	7,082.31	7,078.31	7,078.31	166.36	245.38	90.20	1,546.90	-1,697.13	3,920.44	3,552.25	368.19	10.648		
12,800.00	7,082.66	7,078.66	7,078.66	169.15	245.39	90.20	1,546.90	-1,697.13	3,991.50	3,623.32	368.18	10.841		
12,900.00	7,083.00	7,079.00	7,079.00	171.94	245.40	90.21	1,546.90	-1,697.13	4,063.78	3,695.64	368.13	11.039		
13,000.00	7,083.35	7,079.35	7,079.35	174.74	245.42	90.22	1,546.90	-1,697.13	4,137.21	3,769.15	368.06	11.241		
13,100.00	7,083.69	7,079.69	7,079.69	177.54	245.43	90.22	1,546.90	-1,697.13	4,211.73	3,843.77	367.96	11.446		
13,200.00	7,084.03	7,080.03	7,080.03	180.34	245.44	90.23	1,546.90	-1,697.13	4,287.30	3,919.46	367.84	11.655		
13,300.00	7,084.38	7,080.38	7,080.38	183.14	245.45	90.24	1,546.90	-1,697.13	4,363.84	3,996.15	367.70	11.868		
13,400.00	7,084.72	7,080.72	7,080.72	185.95	245.46	90.24	1,546.90	-1,697.13	4,441.32	4,073.79	367.54	12.084		
13,500.00	7,085.06	7,081.06	7,081.06	188.76	245.48	90.25	1,546.90	-1,697.13	4,519.68	4,152.32	367.36	12.303		
13,600.00	7,085.41	7,081.41	7,081.41	191.56	245.49	90.26	1,546.90	-1,697.13	4,598.89	4,231.71	367.17	12.525		
13,700.00	7,085.75	7,081.75	7,081.75	194.37	245.50	90.27	1,546.90	-1,697.13	4,678.88	4,311.91	366.97	12.750		
13,800.00	7,086.09	7,082.09	7,082.09	197.18	245.51	90.27	1,546.90	-1,697.13	4,759.64	4,392.87	366.76	12.977		
13,900.00	7,086.44	7,082.44	7,082.44	200.00	245.52	90.28	1,546.90	-1,697.13	4,841.11	4,474.57	366.55	13.207		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,082.78	7,082.78	202.81	245.54	90.29	1,546.90	-1,697.13	4,923.27	4,556.95	366.32	13.440		
14,100.00	7,087.13	7,083.13	7,083.13	205.63	245.55	90.29	1,546.90	-1,697.13	5,006.08	4,639.98	366.09	13.674		
14,200.00	7,087.47	7,083.47	7,083.47	208.44	245.56	90.30	1,546.90	-1,697.13	5,089.50	4,723.64	365.86	13.911		
14,300.00	7,087.81	7,083.81	7,083.81	211.26	245.57	90.31	1,546.90	-1,697.13	5,173.51	4,807.89	365.62	14.150		
14,400.00	7,088.16	7,084.16	7,084.16	214.08	245.58	90.32	1,546.90	-1,697.13	5,258.08	4,892.70	365.38	14.391		
14,500.00	7,088.50	7,084.50	7,084.50	216.90	245.60	90.32	1,546.90	-1,697.13	5,343.18	4,978.04	365.14	14.633		
14,600.00	7,088.84	7,084.84	7,084.84	219.72	245.61	90.33	1,546.90	-1,697.13	5,428.80	5,063.90	364.90	14.878		
14,700.00	7,089.19	7,085.19	7,085.19	222.54	245.62	90.34	1,546.90	-1,697.13	5,514.89	5,150.24	364.66	15.124		
14,800.00	7,089.53	7,085.53	7,085.53	225.37	245.63	90.34	1,546.90	-1,697.13	5,601.45	5,237.04	364.41	15.371		
14,900.00	7,089.88	7,085.88	7,085.88	228.19	245.64	90.35	1,546.90	-1,697.13	5,688.45	5,324.28	364.17	15.620		
15,000.00	7,090.22	7,086.22	7,086.22	231.02	245.66	90.36	1,546.90	-1,697.13	5,775.87	5,411.94	363.93	15.871		
15,100.00	7,090.56	7,086.56	7,086.56	233.84	245.67	90.37	1,546.90	-1,697.13	5,863.69	5,500.00	363.69	16.123		
15,200.00	7,090.91	7,086.91	7,086.91	236.67	245.68	90.37	1,546.90	-1,697.13	5,951.90	5,588.45	363.45	16.376		
15,227.29	7,091.00	7,087.00	7,087.00	237.44	245.68	90.37	1,546.90	-1,697.13	5,976.03	5,612.65	363.38	16.446		
15,300.00	7,091.25	7,087.25	7,087.25	239.49	245.69	90.41	1,546.90	-1,697.13	6,040.89	5,677.67	363.21	16.632		
15,326.57	7,091.35	7,087.35	7,087.35	240.24	245.70	90.43	1,546.90	-1,697.13	6,064.83	5,701.68	363.15	16.700		
15,400.00	7,091.60	7,087.60	7,087.60	242.30	245.71	90.43	1,546.90	-1,697.13	6,131.27	5,768.28	362.99	16.891		
15,500.00	7,091.96	7,087.96	7,087.96	245.12	245.72	90.44	1,546.90	-1,697.13	6,222.01	5,859.24	362.77	17.151		
15,600.00	7,092.31	7,088.31	7,088.31	247.93	245.73	90.45	1,546.90	-1,697.13	6,313.02	5,950.47	362.56	17.413		
15,700.00	7,092.66	7,088.66	7,088.66	250.75	245.74	90.45	1,546.90	-1,697.13	6,404.30	6,041.96	362.34	17.675		
15,800.00	7,093.01	7,089.01	7,089.01	253.56	245.75	90.46	1,546.90	-1,697.13	6,495.84	6,133.71	362.13	17.938		
15,900.00	7,093.36	7,089.36	7,089.36	256.38	245.77	90.47	1,546.90	-1,697.13	6,587.62	6,225.70	361.93	18.202		
16,000.00	7,093.71	7,089.71	7,089.71	259.20	245.78	90.48	1,546.90	-1,697.13	6,679.64	6,317.92	361.72	18.466		
16,100.00	7,094.07	7,109.93	7,090.07	262.02	246.48	90.49	1,546.90	-1,697.13	6,771.89	6,409.67	362.22	18.696		
16,200.00	7,094.42	7,109.58	7,090.42	264.84	246.47	90.49	1,546.90	-1,697.13	6,864.35	6,502.35	362.00	18.962		
16,300.00	7,094.77	7,109.23	7,090.77	267.65	246.46	90.50	1,546.90	-1,697.13	6,957.02	6,595.24	361.78	19.230		
16,400.00	7,095.12	7,108.88	7,091.12	270.47	246.45	90.51	1,546.90	-1,697.13	7,049.90	6,688.33	361.57	19.498		
16,500.00	7,095.47	7,108.53	7,091.47	273.30	246.44	90.52	1,546.90	-1,697.13	7,142.96	6,781.60	361.36	19.767		
16,600.00	7,095.82	7,108.18	7,091.82	276.12	246.42	90.52	1,546.90	-1,697.13	7,236.21	6,875.06	361.15	20.036		
16,700.00	7,096.18	7,107.82	7,092.18	278.94	246.41	90.53	1,546.90	-1,697.13	7,329.64	6,968.69	360.95	20.306		
16,800.00	7,096.53	7,107.47	7,092.53	281.76	246.40	90.54	1,546.90	-1,697.13	7,423.24	7,062.48	360.75	20.577		
16,900.00	7,096.88	7,107.12	7,092.88	284.58	246.39	90.55	1,546.90	-1,697.13	7,517.00	7,156.44	360.56	20.848		
17,000.00	7,097.23	7,106.77	7,093.23	287.41	246.37	90.56	1,546.90	-1,697.13	7,610.92	7,250.56	360.37	21.120		
17,100.00	7,097.58	7,106.42	7,093.58	290.23	246.36	90.56	1,546.90	-1,697.13	7,705.00	7,344.82	360.18	21.392		
17,200.00	7,097.93	7,106.07	7,093.93	293.06	246.35	90.57	1,546.90	-1,697.13	7,799.22	7,439.23	359.99	21.665		
17,300.00	7,098.29	7,105.71	7,094.29	295.88	246.34	90.58	1,546.90	-1,697.13	7,893.58	7,533.77	359.81	21.938		
17,400.00	7,098.64	7,105.36	7,094.64	298.71	246.33	90.59	1,546.90	-1,697.13	7,988.09	7,628.45	359.63	22.212		
17,500.00	7,098.99	7,105.01	7,094.99	301.53	246.31	90.59	1,546.90	-1,697.13	8,082.72	7,723.26	359.46	22.486		
17,600.00	7,099.34	7,104.66	7,095.34	304.36	246.30	90.60	1,546.90	-1,697.13	8,177.48	7,818.19	359.29	22.760		
17,700.00	7,099.69	7,104.31	7,095.69	307.19	246.29	90.61	1,546.90	-1,697.13	8,272.37	7,913.25	359.12	23.035		
17,800.00	7,100.04	7,103.96	7,096.04	310.01	246.28	90.62	1,546.90	-1,697.13	8,367.37	8,008.42	358.96	23.310		
17,900.00	7,100.40	7,103.60	7,096.40	312.84	246.26	90.63	1,546.90	-1,697.13	8,462.49	8,103.70	358.80	23.586		
18,000.00	7,100.75	7,103.25	7,096.75	315.67	246.25	90.63	1,546.90	-1,697.13	8,557.72	8,199.08	358.64	23.862		
18,100.00	7,101.10	7,102.90	7,097.10	318.50	246.24	90.64	1,546.90	-1,697.13	8,653.06	8,294.58	358.48	24.138		
18,200.00	7,101.45	7,102.55	7,097.45	321.33	246.23	90.65	1,546.90	-1,697.13	8,748.50	8,390.17	358.33	24.415		
18,300.00	7,101.80	7,102.20	7,097.80	324.16	246.21	90.66	1,546.90	-1,697.13	8,844.05	8,485.86	358.18	24.691		
18,400.00	7,102.16	7,101.84	7,098.16	326.99	246.20	90.66	1,546.90	-1,697.13	8,939.69	8,581.65	358.04	24.969		
18,500.00	7,102.51	7,101.49	7,098.51	329.82	246.19	90.67	1,546.90	-1,697.13	9,035.42	8,677.53	357.89	25.246		
18,600.00	7,102.86	7,101.14	7,098.86	332.65	246.18	90.68	1,546.90	-1,697.13	9,131.25	8,773.49	357.75	25.524		
18,700.00	7,103.21	7,100.79	7,099.21	335.48	246.17	90.69	1,546.90	-1,697.13	9,227.16	8,869.54	357.62	25.802		
18,800.00	7,103.56	7,100.44	7,099.56	338.31	246.15	90.69	1,546.90	-1,697.13	9,323.16	8,965.68	357.48	26.080		
18,900.00	7,103.91	7,100.09	7,099.91	341.14	246.14	90.70	1,546.90	-1,697.13	9,419.25	9,061.89	357.35	26.358		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	7,100.00	7,100.00	341.83	246.14	90.70	1,546.90	-1,697.13	9,442.81	9,085.49	357.32	26.427	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-106.23	-2,078.78	-7,142.72	7,439.08					
100.00	100.00	85.97	85.97	3.28	3.29	-106.23	-2,079.00	-7,142.68	7,439.10	7,432.53	6.57	1,132.259		
200.00	200.00	175.40	175.40	3.34	3.31	-106.23	-2,079.67	-7,142.58	7,439.20	7,432.55	6.65	1,119.048		
300.00	299.98	259.74	259.73	3.44	3.38	120.75	-2,080.51	-7,142.63	7,440.42	7,433.60	6.82	1,090.689		
400.00	399.84	357.90	357.88	3.59	3.51	120.72	-2,081.64	-7,142.70	7,443.49	7,436.39	7.10	1,047.908		
500.00	499.45	448.79	448.77	3.80	3.67	120.69	-2,082.27	-7,143.01	7,448.47	7,441.00	7.46	997.936		
600.00	598.70	552.14	552.12	4.04	3.89	120.65	-2,082.70	-7,143.43	7,455.23	7,447.30	7.93	939.982		
700.00	697.47	637.12	637.10	4.32	4.11	120.58	-2,083.31	-7,143.72	7,463.81	7,455.38	8.43	885.520		
800.00	795.62	708.04	708.02	4.65	4.30	120.49	-2,083.74	-7,144.24	7,474.51	7,465.57	8.95	835.573		
900.00	893.06	791.47	791.44	5.02	4.54	120.39	-2,084.09	-7,145.12	7,487.27	7,477.73	9.55	784.300		
993.00	982.91	876.10	876.06	5.39	4.80	120.30	-2,084.59	-7,146.09	7,500.88	7,490.70	10.17	737.267		
1,000.00	989.65	882.44	882.41	5.42	4.82	120.31	-2,084.64	-7,146.16	7,501.96	7,491.74	10.22	733.745		
1,100.00	1,085.84	970.94	970.90	5.86	5.11	120.47	-2,085.20	-7,147.24	7,517.56	7,506.63	10.93	687.616		
1,200.00	1,182.03	1,015.28	1,015.23	6.32	5.26	120.55	-2,085.17	-7,148.05	7,533.60	7,522.09	11.52	654.089		
1,300.00	1,278.22	1,061.00	1,060.93	6.79	5.42	120.64	-2,084.67	-7,149.33	7,550.38	7,538.25	12.12	622.715		
1,400.00	1,374.42	1,101.04	1,100.93	7.28	5.55	120.72	-2,083.90	-7,150.84	7,567.89	7,555.17	12.72	594.740		
1,500.00	1,470.61	1,153.00	1,152.81	7.79	5.73	120.83	-2,082.46	-7,153.33	7,586.19	7,572.81	13.38	567.105		
1,600.00	1,566.80	1,183.30	1,183.04	8.30	5.84	120.89	-2,081.36	-7,155.07	7,605.21	7,591.25	13.96	544.713		
1,700.00	1,663.00	1,224.52	1,224.12	8.82	5.99	120.99	-2,079.52	-7,157.78	7,625.01	7,610.42	14.59	522.544		
1,800.00	1,759.19	1,248.00	1,247.51	9.34	6.07	121.04	-2,078.29	-7,159.50	7,645.61	7,630.44	15.16	504.277		
1,900.00	1,855.38	1,290.57	1,289.86	9.87	6.23	121.14	-2,075.81	-7,163.02	7,667.00	7,651.19	15.81	485.038		
2,000.00	1,951.58	1,343.00	1,341.94	10.41	6.42	121.27	-2,072.46	-7,168.13	7,689.42	7,672.92	16.49	466.184		
2,100.00	2,047.77	1,343.00	1,341.94	10.95	6.42	121.27	-2,072.46	-7,168.13	7,712.51	7,695.53	16.98	454.237		
2,200.00	2,143.96	1,399.49	1,397.93	11.49	6.64	121.41	-2,068.39	-7,174.38	7,736.41	7,718.72	17.69	437.360		
2,300.00	2,240.16	1,449.32	1,447.24	12.04	6.84	121.54	-2,064.35	-7,180.34	7,761.00	7,742.62	18.38	422.340		
2,400.00	2,336.35	1,520.67	1,517.77	12.58	7.13	121.72	-2,058.20	-7,189.20	7,786.06	7,766.90	19.16	406.393		
2,500.00	2,432.54	1,606.89	1,602.95	13.13	7.49	121.95	-2,050.53	-7,200.11	7,811.43	7,791.41	20.01	390.289		
2,600.00	2,528.74	1,680.77	1,675.95	13.69	7.82	122.14	-2,044.15	-7,209.49	7,837.02	7,816.20	20.82	376.364		
2,700.00	2,624.93	1,810.56	1,804.31	14.24	8.39	122.46	-2,034.08	-7,225.81	7,862.86	7,840.96	21.89	359.157		
2,800.00	2,721.12	1,879.93	1,872.99	14.80	8.71	122.63	-2,029.04	-7,234.24	7,888.48	7,865.79	22.69	347.643		
2,900.00	2,817.32	1,999.17	1,991.11	15.35	9.26	122.91	-2,021.52	-7,248.69	7,914.39	7,890.67	23.73	333.577		
3,000.00	2,913.51	2,089.76	2,080.90	15.91	9.68	123.12	-2,015.86	-7,259.34	7,940.07	7,915.44	24.63	322.360		
3,100.00	3,009.70	2,167.76	2,158.13	16.47	10.04	123.31	-2,010.33	-7,268.73	7,965.97	7,940.49	25.48	312.622		
3,200.00	3,105.90	2,283.66	2,272.84	17.03	10.60	123.59	-2,001.51	-7,282.81	7,992.03	7,965.51	26.52	301.363		
3,300.00	3,202.09	2,417.10	2,404.94	17.59	11.24	123.91	-1,991.05	-7,298.44	8,017.76	7,990.11	27.65	289.968		
3,400.00	3,298.28	2,536.35	2,523.06	18.15	11.82	124.19	-1,981.53	-7,311.81	8,043.11	8,014.39	28.72	280.085		
3,500.00	3,394.48	2,624.88	2,610.71	18.72	12.25	124.40	-1,974.12	-7,321.70	8,068.51	8,038.87	29.63	272.288		
3,600.00	3,490.67	2,699.94	2,685.07	19.28	12.62	124.58	-1,968.23	-7,330.10	8,094.12	8,063.64	30.48	265.548		
3,700.00	3,586.86	2,767.00	2,751.49	19.84	12.95	124.74	-1,963.10	-7,337.80	8,120.14	8,088.85	31.29	259.528		
3,800.00	3,683.06	2,825.74	2,809.64	20.41	13.24	124.87	-1,958.57	-7,344.76	8,146.59	8,114.53	32.05	254.159		
3,900.00	3,779.25	2,895.47	2,878.62	20.97	13.59	125.04	-1,953.04	-7,353.28	8,173.47	8,140.59	32.87	248.627		
4,000.00	3,875.44	2,993.71	2,975.79	21.54	14.08	125.26	-1,945.06	-7,365.44	8,200.59	8,166.75	33.84	242.301		
4,100.00	3,971.64	3,115.66	3,096.52	22.11	14.69	125.54	-1,935.88	-7,379.98	8,227.47	8,192.53	34.94	235.487		
4,200.00	4,067.83	3,181.50	3,161.69	22.67	15.02	125.69	-1,930.81	-7,387.81	8,254.45	8,218.71	35.74	230.965		
4,300.00	4,164.02	3,241.00	3,220.55	23.24	15.33	125.83	-1,926.17	-7,395.21	8,281.98	8,245.47	36.51	226.870		
4,400.00	4,260.22	3,300.00	3,279.57	23.81	15.64	126.00	-1,919.77	-7,402.76	8,309.30	8,266.89	37.28	223.028		
4,500.00	4,356.41	3,359.00	3,338.57	24.37	15.95	126.15	-1,913.63	-7,409.00	8,335.04	8,292.61	38.03	219.363		
4,600.00	4,452.60	3,418.00	3,397.57	24.94	16.26	126.29	-1,907.89	-7,415.00	8,360.61	8,318.15	38.77	215.861		
4,700.00	4,548.79	3,477.00	3,456.57	25.51	16.57	126.43	-1,902.51	-7,420.76	8,386.13	8,343.45	39.50	212.507		
4,800.00	4,644.99	3,536.00	3,515.57	26.08	16.88	126.57	-1,897.47	-7,426.25	8,411.29	8,368.80	40.22	209.294		
4,900.00	4,741.18	3,595.00	3,574.57	26.65	17.19	126.71	-1,892.66	-7,431.47	8,436.04	8,393.82	40.94	206.222		
5,000.00	4,837.37	3,654.00	3,633.57	27.21	17.50	126.85	-1,888.06	-7,436.40	8,460.34	8,418.41	41.66	203.294		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,123.33	4,095.44	27.78	19.71	127.74	-1,859.83	-7,487.26	8,490.16	8,445.39	44.77	189.650		
5,200.00	5,029.76	4,247.43	4,218.27	28.35	20.34	128.02	-1,847.95	-7,500.46	8,516.80	8,470.91	45.89	185.604		
5,300.00	5,125.95	4,347.71	4,317.67	28.92	20.85	128.23	-1,839.79	-7,510.86	8,543.49	8,496.61	46.87	182.276		
5,400.00	5,222.15	4,400.00	4,478.64	29.49	25.97	128.56	-1,828.75	-7,526.98	8,570.13	8,517.89	52.24	164.053		
5,500.00	5,318.34	4,636.30	4,604.42	30.06	22.26	128.80	-1,822.51	-7,538.16	8,595.87	8,546.59	49.28	174.427		
5,600.00	5,414.53	5,267.83	5,234.77	30.63	25.01	129.81	-1,811.29	-7,570.78	8,617.89	8,565.10	52.79	163.247		
5,700.00	5,510.73	5,363.03	5,329.95	31.20	25.40	129.95	-1,810.76	-7,572.74	8,637.81	8,584.10	53.71	160.827		
5,800.00	5,606.92	5,480.47	5,447.36	31.77	25.88	130.12	-1,810.23	-7,575.03	8,657.70	8,602.97	54.73	158.198		
5,900.00	5,703.11	5,581.05	5,547.93	32.34	26.28	130.26	-1,810.43	-7,576.66	8,677.37	8,621.71	55.67	155.883		
6,000.00	5,799.31	5,666.42	5,633.29	32.91	26.63	130.38	-1,810.63	-7,578.13	8,697.20	8,640.66	56.54	153.834		
6,100.00	5,895.50	5,762.68	5,729.53	33.48	27.02	130.52	-1,810.42	-7,579.91	8,717.15	8,659.69	57.46	151.712		
6,200.00	5,991.69	5,866.45	5,833.29	34.05	27.45	130.66	-1,810.31	-7,581.73	8,737.07	8,678.66	58.42	149.565		
6,300.00	6,087.89	5,952.89	5,919.71	34.62	27.80	130.79	-1,810.10	-7,583.24	8,757.03	8,697.73	59.29	147.687		
6,400.00	6,184.08	6,047.67	6,014.48	35.19	28.19	130.92	-1,810.18	-7,585.01	8,777.17	8,716.96	60.21	145.775		
6,500.00	6,280.27	6,224.33	6,191.11	35.77	28.90	131.16	-1,810.92	-7,587.23	8,796.74	8,735.24	61.50	143.024		
6,535.30	6,314.23	6,249.32	6,216.11	35.97	29.00	131.19	-1,811.06	-7,587.46	8,803.57	8,741.79	61.78	142.497		
6,550.00	6,328.40	6,259.75	6,226.54	36.05	29.04	127.80	-1,811.11	-7,587.56	8,806.25	8,744.36	61.90	142.271		
6,600.00	6,377.01	6,306.77	6,273.55	36.31	29.23	112.68	-1,811.37	-7,588.05	8,812.94	8,750.60	62.34	141.374		
6,650.00	6,426.00	6,372.84	6,339.62	36.54	29.49	91.78	-1,811.78	-7,588.66	8,815.68	8,752.83	62.84	140.279		
6,700.00	6,475.08	6,445.20	6,411.96	36.73	29.77	68.97	-1,813.25	-7,589.08	8,814.41	8,751.06	63.34	139.153		
6,750.00	6,523.94	6,482.98	6,449.66	36.90	29.91	50.33	-1,815.60	-7,589.17	8,809.22	8,745.57	63.65	138.397		
6,800.00	6,572.28	6,524.31	6,490.73	37.05	30.05	37.49	-1,820.21	-7,589.12	8,800.18	8,736.24	63.94	137.627		
6,850.00	6,619.81	6,546.66	6,512.82	37.19	30.13	28.90	-1,823.62	-7,589.06	8,787.43	8,723.30	64.13	137.030		
6,900.00	6,666.23	6,569.00	6,534.79	37.32	30.20	22.98	-1,827.68	-7,589.05	8,771.10	8,706.81	64.29	136.428		
6,950.00	6,711.25	6,569.00	6,534.79	37.46	30.20	18.73	-1,827.68	-7,589.05	8,751.30	8,686.95	64.35	136.003		
7,000.00	6,754.60	6,600.00	6,565.05	37.61	30.30	15.51	-1,834.39	-7,589.17	8,728.13	8,663.62	64.51	135.306		
7,050.00	6,796.01	6,600.00	6,565.05	37.77	30.30	12.98	-1,834.39	-7,589.17	8,701.70	8,637.17	64.53	134.846		
7,100.00	6,835.22	6,600.00	6,565.05	37.94	30.30	10.90	-1,834.39	-7,589.17	8,672.23	8,607.69	64.54	134.367		
7,150.00	6,871.99	6,620.31	6,584.71	38.12	30.36	9.09	-1,839.45	-7,589.36	8,639.77	8,575.15	64.62	133.699		
7,200.00	6,906.10	6,632.00	6,595.97	38.34	30.40	7.46	-1,842.61	-7,589.52	8,604.59	8,539.93	64.66	133.076		
7,250.00	6,937.34	6,632.00	6,595.97	38.57	30.40	5.93	-1,842.61	-7,589.52	8,566.86	8,502.21	64.64	132.524		
7,300.00	6,965.51	6,648.93	6,612.18	38.84	30.45	4.33	-1,847.48	-7,589.79	8,526.75	8,462.06	64.69	131.808		
7,350.00	6,990.44	6,664.00	6,626.51	39.14	30.49	2.58	-1,852.13	-7,590.05	8,484.51	8,419.79	64.73	131.079		
7,400.00	7,011.97	6,664.00	6,626.51	39.47	30.49	0.58	-1,852.13	-7,590.05	8,440.38	8,375.67	64.71	130.443		
7,450.00	7,029.98	6,677.25	6,639.02	39.85	30.53	-2.05	-1,856.47	-7,590.30	8,394.60	8,329.86	64.74	129.675		
7,500.00	7,044.34	6,685.45	6,646.73	40.26	30.55	-5.77	-1,859.28	-7,590.44	8,347.44	8,282.69	64.75	128.919		
7,550.00	7,054.99	6,695.00	6,655.66	40.72	30.58	-11.75	-1,862.67	-7,590.62	8,299.19	8,234.42	64.77	128.125		
7,600.00	7,061.83	6,695.00	6,655.66	41.21	30.58	-22.76	-1,862.67	-7,590.62	8,250.13	8,185.36	64.77	127.382		
7,650.00	7,064.85	6,695.00	6,655.66	41.73	30.58	-47.45	-1,862.67	-7,590.62	8,200.55	8,135.78	64.77	126.614		
7,661.89	7,065.00	6,695.00	6,655.66	41.86	30.58	-56.97	-1,862.67	-7,590.62	8,188.72	8,123.95	64.77	126.426		
7,700.00	7,065.13	6,695.00	6,655.66	42.28	30.58	-56.97	-1,862.67	-7,590.62	8,150.79	8,086.01	64.78	125.830		
7,800.00	7,065.47	6,695.00	6,655.66	43.53	30.58	-56.97	-1,862.67	-7,590.62	8,051.26	7,986.46	64.79	124.261		
7,900.00	7,065.82	6,695.00	6,655.66	44.94	30.58	-56.97	-1,862.67	-7,590.62	7,951.74	7,886.92	64.81	122.686		
8,000.00	7,066.16	6,695.00	6,655.66	46.50	30.58	-56.97	-1,862.67	-7,590.62	7,852.23	7,787.39	64.84	121.106		
8,100.00	7,066.50	6,695.00	6,655.66	48.19	30.58	-56.97	-1,862.67	-7,590.62	7,752.74	7,687.87	64.87	119.521		
8,200.00	7,066.85	6,695.00	6,655.66	50.00	30.58	-56.97	-1,862.67	-7,590.62	7,653.26	7,588.36	64.90	117.929		
8,300.00	7,067.19	6,695.00	6,655.66	51.91	30.58	-56.97	-1,862.67	-7,590.62	7,553.79	7,488.86	64.93	116.333		
8,400.00	7,067.54	6,695.00	6,655.66	53.92	30.58	-56.97	-1,862.67	-7,590.62	7,454.34	7,389.36	64.97	114.730		
8,500.00	7,067.88	6,703.74	6,663.79	56.01	30.60	-57.59	-1,865.88	-7,590.77	7,354.89	7,289.83	65.06	113.053		
8,600.00	7,068.22	6,704.54	6,664.52	58.16	30.61	-57.65	-1,866.18	-7,590.79	7,255.46	7,190.35	65.11	111.432		
8,700.00	7,068.57	6,705.33	6,665.26	60.38	30.61	-57.71	-1,866.48	-7,590.80	7,156.05	7,090.88	65.17	109.805		
8,800.00	7,068.91	6,706.13	6,666.00	62.65	30.61	-57.77	-1,866.78	-7,590.82	7,056.66	6,991.42	65.24	108.173		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	6,706.93	6,666.74	64.97	30.61	-57.82	-1,867.08	-7,590.83	6,957.28	6,891.98	65.31	106.534		
9,000.00	7,069.60	6,707.73	6,667.48	67.34	30.61	-57.88	-1,867.38	-7,590.85	6,857.93	6,792.54	65.38	104.889		
9,100.00	7,069.94	6,708.54	6,668.23	69.74	30.62	-57.94	-1,867.69	-7,590.86	6,758.59	6,693.12	65.47	103.237		
9,200.00	7,070.28	6,709.35	6,668.98	72.18	30.62	-58.00	-1,868.00	-7,590.88	6,659.27	6,593.71	65.56	101.580		
9,300.00	7,070.63	6,710.16	6,669.72	74.65	30.62	-58.06	-1,868.31	-7,590.89	6,559.97	6,494.31	65.65	99.916		
9,400.00	7,070.97	6,710.97	6,670.47	77.15	30.62	-58.11	-1,868.62	-7,590.91	6,460.69	6,394.93	65.76	98.245		
9,500.00	7,071.32	6,711.78	6,671.23	79.67	30.63	-58.17	-1,868.93	-7,590.92	6,361.44	6,295.56	65.87	96.569		
9,600.00	7,071.66	6,712.60	6,671.98	82.22	30.63	-58.23	-1,869.25	-7,590.94	6,262.20	6,196.21	66.00	94.885		
9,700.00	7,072.00	6,713.42	6,672.74	84.78	30.63	-58.29	-1,869.56	-7,590.95	6,163.00	6,096.87	66.13	93.195		
9,800.00	7,072.35	6,714.25	6,673.50	87.37	30.63	-58.35	-1,869.88	-7,590.97	6,063.81	5,997.54	66.27	91.498		
9,900.00	7,072.69	6,715.07	6,674.26	89.97	30.63	-58.41	-1,870.20	-7,590.98	5,964.66	5,898.23	66.43	89.794		
10,000.00	7,073.03	6,715.90	6,675.02	92.59	30.64	-58.47	-1,870.53	-7,591.00	5,865.53	5,798.94	66.59	88.084		
10,100.00	7,073.38	6,716.73	6,675.78	95.22	30.64	-58.53	-1,870.85	-7,591.01	5,766.44	5,699.67	66.77	86.367		
10,200.00	7,073.72	6,717.56	6,676.55	97.86	30.64	-58.59	-1,871.18	-7,591.03	5,667.37	5,600.42	66.96	84.642		
10,300.00	7,074.07	6,718.40	6,677.32	100.52	30.64	-58.65	-1,871.51	-7,591.04	5,568.34	5,501.18	67.16	82.911		
10,400.00	7,074.41	6,722.00	6,685.20	103.19	30.67	-59.28	-1,874.95	-7,591.21	5,469.36	5,401.92	67.44	81.103		
10,500.00	7,074.75	6,727.00	6,685.20	105.87	30.67	-59.28	-1,874.95	-7,591.21	5,370.40	5,302.73	67.67	79.365		
10,600.00	7,075.10	6,727.00	6,685.20	108.55	30.67	-59.28	-1,874.95	-7,591.21	5,271.47	5,203.56	67.91	77.620		
10,700.00	7,075.44	6,727.00	6,685.20	111.25	30.67	-59.28	-1,874.95	-7,591.21	5,172.59	5,104.41	68.18	75.869		
10,800.00	7,075.78	6,727.00	6,685.20	113.96	30.67	-59.28	-1,874.95	-7,591.21	5,073.75	5,005.29	68.46	74.111		
10,900.00	7,076.13	6,727.00	6,685.20	116.67	30.67	-59.28	-1,874.95	-7,591.21	4,974.96	4,906.20	68.77	72.347		
11,000.00	7,076.47	6,727.00	6,685.20	119.39	30.67	-59.28	-1,874.95	-7,591.21	4,876.22	4,807.13	69.09	70.576		
11,100.00	7,076.81	6,727.00	6,685.20	122.11	30.67	-59.28	-1,874.95	-7,591.21	4,777.53	4,708.09	69.44	68.799		
11,200.00	7,077.16	6,727.00	6,685.20	124.85	30.67	-59.28	-1,874.95	-7,591.21	4,678.90	4,609.08	69.82	67.016		
11,300.00	7,077.50	6,727.00	6,685.20	127.58	30.67	-59.28	-1,874.95	-7,591.21	4,580.32	4,510.10	70.22	65.228		
11,400.00	7,077.85	6,727.00	6,685.20	130.33	30.67	-59.28	-1,874.95	-7,591.21	4,481.81	4,411.16	70.65	63.434		
11,500.00	7,078.19	6,727.00	6,685.20	133.08	30.67	-59.28	-1,874.95	-7,591.21	4,383.37	4,312.25	71.12	61.635		
11,600.00	7,078.53	6,727.00	6,685.20	135.83	30.67	-59.28	-1,874.95	-7,591.21	4,284.99	4,213.37	71.62	59.831		
11,700.00	7,078.88	6,731.92	6,689.69	138.59	30.68	-59.64	-1,876.97	-7,591.30	4,186.69	4,114.48	72.22	57.974		
11,800.00	7,079.22	6,733.12	6,690.78	141.35	30.68	-59.73	-1,877.47	-7,591.32	4,088.48	4,015.67	72.81	56.151		
11,900.00	7,079.56	6,734.30	6,691.85	144.11	30.68	-59.82	-1,877.96	-7,591.34	3,990.35	3,916.90	73.45	54.325		
12,000.00	7,079.91	6,735.46	6,692.90	146.88	30.69	-59.90	-1,878.44	-7,591.37	3,892.32	3,818.17	74.14	52.497		
12,100.00	7,080.25	6,736.59	6,693.93	149.66	30.69	-59.98	-1,878.92	-7,591.39	3,794.39	3,719.50	74.89	50.668		
12,200.00	7,080.60	6,737.71	6,694.94	152.43	30.69	-60.06	-1,879.39	-7,591.41	3,696.57	3,620.88	75.69	48.838		
12,300.00	7,080.94	6,738.80	6,695.93	155.21	30.70	-60.14	-1,879.85	-7,591.42	3,598.87	3,522.31	76.55	47.011		
12,400.00	7,081.28	6,739.87	6,696.90	157.99	30.70	-60.22	-1,880.30	-7,591.44	3,501.30	3,423.81	77.49	45.185		
12,500.00	7,081.63	6,740.92	6,697.85	160.78	30.70	-60.30	-1,880.75	-7,591.46	3,403.86	3,325.37	78.50	43.364		
12,600.00	7,081.97	6,741.95	6,698.78	163.57	30.70	-60.38	-1,881.19	-7,591.48	3,306.59	3,227.00	79.59	41.547		
12,700.00	7,082.31	6,742.96	6,699.69	166.36	30.71	-60.45	-1,881.62	-7,591.50	3,209.47	3,128.71	80.77	39.738		
12,800.00	7,082.66	6,743.95	6,700.59	169.15	30.71	-60.52	-1,882.05	-7,591.51	3,112.55	3,030.50	82.04	37.938		
12,900.00	7,083.00	6,744.93	6,701.47	171.94	30.71	-60.60	-1,882.47	-7,591.53	3,015.82	2,932.39	83.43	36.149		
13,000.00	7,083.35	6,745.89	6,702.33	174.74	30.71	-60.67	-1,882.89	-7,591.54	2,919.31	2,834.38	84.93	34.373		
13,100.00	7,083.69	6,746.83	6,703.18	177.54	30.72	-60.73	-1,883.30	-7,591.56	2,823.04	2,736.48	86.56	32.613		
13,200.00	7,084.03	6,747.75	6,704.01	180.34	30.72	-60.80	-1,883.70	-7,591.58	2,727.04	2,638.70	88.34	30.870		
13,300.00	7,084.38	6,748.66	6,704.82	183.14	30.72	-60.87	-1,884.10	-7,591.59	2,631.34	2,541.07	90.27	29.149		
13,400.00	7,084.72	6,749.55	6,705.62	185.95	30.72	-60.94	-1,884.49	-7,591.60	2,535.97	2,443.59	92.38	27.451		
13,500.00	7,085.06	6,750.43	6,706.41	188.76	30.72	-61.00	-1,884.88	-7,591.62	2,440.97	2,346.28	94.68	25.780		
13,600.00	7,085.41	6,751.29	6,707.18	191.56	30.73	-61.06	-1,885.26	-7,591.63	2,346.38	2,249.18	97.20	24.139		
13,700.00	7,085.75	6,752.13	6,707.94	194.37	30.73	-61.13	-1,885.63	-7,591.64	2,252.26	2,152.30	99.96	22.532		
13,800.00	7,086.09	6,752.97	6,708.70	197.18	30.73	-61.19	-1,886.00	-7,591.65	2,158.34	2,058.47	103.22	20.914		
13,900.00	7,086.44	6,753.80	6,709.45	200.00	30.73	-61.25	-1,886.37	-7,591.66	2,064.42	1,964.54	106.53	19.392		
14,000.00	7,086.78	6,754.63	6,710.20	202.81	30.73	-61.31	-1,886.74	-7,591.67	1,970.50	1,870.61	110.16	17.913		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	6,759.00	6,714.08	205.63	30.75	-61.63	-1,888.71	-7,591.75	1,881.87	1,767.69	114.17	16.482		
14,200.00	7,087.47	6,759.00	6,714.08	208.44	30.75	-61.63	-1,888.71	-7,591.75	1,791.25	1,672.65	118.60	15.103		
14,300.00	7,087.81	6,759.00	6,714.08	211.26	30.75	-61.63	-1,888.71	-7,591.75	1,701.69	1,578.19	123.50	13.779		
14,400.00	7,088.16	6,759.00	6,714.08	214.08	30.75	-61.63	-1,888.71	-7,591.75	1,613.35	1,484.43	128.93	12.514		
14,500.00	7,088.50	6,759.00	6,714.08	216.90	30.75	-61.63	-1,888.71	-7,591.75	1,526.46	1,391.52	134.94	11.312		
14,600.00	7,088.84	6,759.00	6,714.08	219.72	30.75	-61.63	-1,888.71	-7,591.75	1,441.26	1,299.65	141.61	10.178		
14,700.00	7,089.19	6,759.00	6,714.08	222.54	30.75	-61.63	-1,888.71	-7,591.75	1,358.08	1,209.08	149.01	9.114		
14,800.00	7,089.53	6,759.00	6,714.08	225.37	30.75	-61.63	-1,888.71	-7,591.75	1,277.32	1,120.13	157.19	8.126		
14,900.00	7,089.88	6,759.00	6,714.08	228.19	30.75	-61.63	-1,888.71	-7,591.75	1,199.46	1,033.25	166.22	7.216		
15,000.00	7,090.22	6,759.00	6,714.08	231.02	30.75	-61.63	-1,888.71	-7,591.75	1,125.11	949.01	176.11	6.389		
15,100.00	7,090.56	6,759.00	6,714.08	233.84	30.75	-61.63	-1,888.71	-7,591.75	1,055.01	868.17	186.83	5.647		
15,200.00	7,090.91	6,759.00	6,714.08	236.67	30.75	-61.63	-1,888.71	-7,591.75	990.05	791.77	198.28	4.993		
15,227.29	7,091.00	6,759.00	6,714.08	237.44	30.75	-61.63	-1,888.71	-7,591.75	973.35	771.86	201.50	4.831		
15,300.00	7,091.25	6,759.00	6,714.08	239.49	30.75	-61.12	-1,888.71	-7,591.75	930.65	720.58	210.07	4.430		
15,326.57	7,091.35	6,759.00	6,714.08	240.24	30.75	-60.94	-1,888.71	-7,591.75	915.65	702.49	213.16	4.296		
15,400.00	7,091.60	6,759.00	6,714.08	242.30	30.75	-60.94	-1,888.71	-7,591.75	876.80	655.19	221.61	3.956		
15,500.00	7,091.96	6,766.79	6,721.00	245.12	30.76	-61.53	-1,892.30	-7,591.85	831.34	597.67	233.67	3.558		
15,600.00	7,092.31	6,768.11	6,722.16	247.93	30.77	-61.63	-1,892.91	-7,591.87	795.98	552.38	243.59	3.268		
15,700.00	7,092.66	6,769.40	6,723.31	250.75	30.77	-61.72	-1,893.52	-7,591.89	772.02	520.79	251.23	3.073		
15,800.00	7,093.01	6,770.68	6,724.43	253.56	30.77	-61.82	-1,894.12	-7,591.90	760.56	504.83	255.73	2.974		
15,837.87	7,093.14	6,771.16	6,724.85	254.63	30.77	-61.86	-1,894.34	-7,591.91	759.62	503.13	256.49	2.962	CC, ES, SF	
15,900.00	7,093.36	6,771.94	6,725.54	256.38	30.78	-61.92	-1,894.71	-7,591.92	762.15	505.58	256.58	2.970		
16,000.00	7,093.71	6,773.18	6,726.63	259.20	30.78	-62.01	-1,895.30	-7,591.93	776.72	522.94	253.79	3.061		
16,100.00	7,094.07	6,774.40	6,727.71	262.02	30.78	-62.10	-1,895.88	-7,591.94	803.56	555.67	247.89	3.242		
16,200.00	7,094.42	6,775.61	6,728.77	264.84	30.78	-62.19	-1,896.46	-7,591.96	841.49	601.77	239.72	3.510		
16,300.00	7,094.77	6,776.80	6,729.81	267.65	30.79	-62.28	-1,897.03	-7,591.97	889.10	658.91	230.19	3.862		
16,400.00	7,095.12	6,777.97	6,730.84	270.47	30.79	-62.37	-1,897.59	-7,591.98	944.93	724.86	220.07	4.294		
16,500.00	7,095.47	6,779.12	6,731.85	273.30	30.79	-62.46	-1,898.15	-7,591.99	1,007.61	797.66	209.95	4.799		
16,600.00	7,095.82	6,780.26	6,732.85	276.12	30.79	-62.54	-1,898.70	-7,592.01	1,075.95	875.75	200.20	5.374		
16,700.00	7,096.18	6,781.39	6,733.83	278.94	30.80	-62.63	-1,899.25	-7,592.02	1,148.93	957.90	191.03	6.014		
16,800.00	7,096.53	6,790.00	6,741.32	281.76	30.82	-63.28	-1,903.50	-7,592.09	1,225.78	1,042.48	183.30	6.687		
16,900.00	7,096.88	6,790.00	6,741.32	284.58	30.82	-63.28	-1,903.50	-7,592.09	1,305.70	1,130.33	175.38	7.445		
17,000.00	7,097.23	6,790.00	6,741.32	287.41	30.82	-63.28	-1,903.50	-7,592.09	1,388.23	1,220.07	168.16	8.255		
17,100.00	7,097.58	6,790.00	6,741.32	290.23	30.82	-63.28	-1,903.50	-7,592.09	1,472.92	1,311.32	161.61	9.114		
17,200.00	7,097.93	6,790.00	6,741.32	293.06	30.82	-63.28	-1,903.50	-7,592.09	1,559.43	1,403.76	155.67	10.018		
17,300.00	7,098.29	6,790.00	6,741.32	295.88	30.82	-63.28	-1,903.50	-7,592.09	1,647.47	1,497.18	150.29	10.962		
17,400.00	7,098.64	6,790.00	6,741.32	298.71	30.82	-63.28	-1,903.50	-7,592.09	1,736.80	1,591.40	145.40	11.945		
17,500.00	7,098.99	6,790.00	6,741.32	301.53	30.82	-63.28	-1,903.50	-7,592.09	1,827.24	1,686.27	140.97	12.962		
17,600.00	7,099.34	6,790.00	6,741.32	304.36	30.82	-63.28	-1,903.50	-7,592.09	1,918.62	1,781.69	136.93	14.012		
17,700.00	7,099.69	6,790.00	6,741.32	307.19	30.82	-63.28	-1,903.50	-7,592.09	2,010.83	1,877.58	133.25	15.090		
17,800.00	7,100.04	6,790.00	6,741.32	310.01	30.82	-63.28	-1,903.50	-7,592.09	2,103.75	1,973.85	129.90	16.196		
17,900.00	7,100.40	6,790.00	6,741.32	312.84	30.82	-63.28	-1,903.50	-7,592.09	2,197.29	2,070.47	126.82	17.326		
18,000.00	7,100.75	6,790.00	6,741.32	315.67	30.82	-63.28	-1,903.50	-7,592.09	2,291.38	2,167.37	124.01	18.478		
18,100.00	7,101.10	6,790.00	6,741.32	318.50	30.82	-63.28	-1,903.50	-7,592.09	2,385.95	2,264.52	121.42	19.650		
18,200.00	7,101.45	6,790.00	6,741.32	321.33	30.82	-63.28	-1,903.50	-7,592.09	2,480.94	2,361.90	119.04	20.841		
18,300.00	7,101.80	6,798.65	6,748.78	324.16	30.83	-63.93	-1,907.87	-7,592.16	2,576.28	2,459.01	117.27	21.969		
18,400.00	7,102.16	6,799.70	6,749.68	326.99	30.84	-64.01	-1,908.40	-7,592.16	2,671.98	2,556.71	115.28	23.179		
18,500.00	7,102.51	6,800.74	6,750.58	329.82	30.84	-64.08	-1,908.94	-7,592.17	2,767.99	2,654.55	113.43	24.402		
18,600.00	7,102.86	6,801.77	6,751.46	332.65	30.84	-64.16	-1,909.46	-7,592.18	2,864.27	2,752.54	111.73	25.637		
18,700.00	7,103.21	6,802.78	6,752.33	335.48	30.84	-64.24	-1,909.99	-7,592.18	2,960.79	2,850.65	110.14	26.882		
18,800.00	7,103.56	6,803.79	6,753.20	338.31	30.85	-64.31	-1,910.51	-7,592.19	3,057.54	2,948.87	108.67	28.136		
18,900.00	7,103.91	6,804.79	6,754.05	341.14	30.85	-64.39	-1,911.02	-7,592.20	3,154.49	3,047.19	107.30	29.399		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
18,924.52	7,104.00	6,805.03	6,754.26	341.83	30.85	-64.41	-1,911.15	-7,592.20	3,178.28	3,071.31	106.98	29.710		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-106.28	-2,077.34	-7,111.57	7,408.77					
100.00	100.00	113.17	113.17	3.28	3.29	-106.29	-2,077.53	-7,111.33	7,408.62	7,402.05	6.57	1,126.933		
200.00	200.00	204.09	204.09	3.34	3.33	-106.29	-2,078.01	-7,110.89	7,408.31	7,401.64	6.67	1,111.174		
209.18	209.18	211.30	211.30	3.34	3.34	-120.71	-2,078.06	-7,110.86	7,408.30	7,401.62	6.68	1,109.010		
300.00	299.98	262.85	262.84	3.44	3.38	120.70	-2,078.54	-7,110.73	7,409.23	7,402.41	6.82	1,085.725		
400.00	399.84	306.49	306.48	3.59	3.43	120.65	-2,078.92	-7,110.96	7,412.65	7,405.62	7.03	1,054.698		
500.00	499.45	453.81	453.79	3.80	3.67	120.64	-2,080.39	-7,112.09	7,418.23	7,410.76	7.47	993.542		
600.00	598.70	581.84	581.80	4.04	3.96	120.61	-2,082.16	-7,111.86	7,424.67	7,416.67	8.00	928.576		
700.00	697.47	713.59	713.55	4.32	4.31	120.60	-2,083.66	-7,111.29	7,432.61	7,423.98	8.63	861.092		
800.00	795.62	796.44	796.38	4.65	4.55	120.53	-2,084.90	-7,110.79	7,442.26	7,433.06	9.20	808.938		
900.00	893.06	938.64	938.57	5.02	5.01	120.53	-2,086.94	-7,109.66	7,453.57	7,443.55	10.01	744.332		
993.00	982.91	1,035.31	1,035.22	5.39	5.33	120.49	-2,088.03	-7,108.46	7,465.20	7,454.49	10.71	697.251		
1,000.00	989.65	1,041.10	1,041.01	5.42	5.35	120.50	-2,088.07	-7,108.40	7,466.14	7,455.38	10.76	694.103		
1,100.00	1,085.84	1,122.77	1,122.68	5.86	5.64	120.64	-2,088.44	-7,107.68	7,479.70	7,468.24	11.46	652.577		
1,200.00	1,182.03	1,219.88	1,219.79	6.32	5.98	120.81	-2,088.74	-7,107.01	7,493.46	7,481.21	12.25	611.660		
1,300.00	1,278.22	1,305.66	1,305.56	6.79	6.30	120.96	-2,089.05	-7,106.38	7,507.28	7,494.25	13.02	576.406		
1,400.00	1,374.42	1,406.59	1,406.49	7.28	6.68	121.14	-2,089.43	-7,105.81	7,521.32	7,507.45	13.87	542.120		
1,500.00	1,470.61	1,511.94	1,511.84	7.79	7.08	121.33	-2,089.44	-7,105.09	7,535.23	7,520.47	14.75	510.693		
1,600.00	1,566.80	1,619.91	1,619.81	8.30	7.49	121.52	-2,089.41	-7,104.27	7,549.13	7,533.47	15.66	482.040		
1,700.00	1,663.00	1,698.53	1,698.42	8.82	7.80	121.66	-2,089.39	-7,103.67	7,563.10	7,546.63	16.46	459.379		
1,800.00	1,759.19	1,796.93	1,796.82	9.34	8.19	121.83	-2,089.58	-7,103.06	7,577.31	7,559.96	17.36	436.540		
1,900.00	1,855.38	1,860.72	1,860.60	9.87	8.44	121.94	-2,089.85	-7,102.64	7,591.66	7,573.55	18.11	419.141		
2,000.00	1,951.58	1,917.00	1,916.89	10.41	8.66	122.04	-2,089.73	-7,102.76	7,606.66	7,587.82	18.84	403.798		
2,100.00	2,047.77	1,965.99	1,965.87	10.95	8.84	122.14	-2,089.28	-7,103.23	7,622.27	7,602.74	19.53	390.300		
2,200.00	2,143.96	2,025.43	2,025.29	11.49	9.06	122.25	-2,088.31	-7,104.21	7,638.45	7,618.19	20.26	376.946		
2,300.00	2,240.16	2,097.11	2,096.93	12.04	9.34	122.39	-2,086.31	-7,105.85	7,655.07	7,634.02	21.05	363.644		
2,400.00	2,336.35	2,206.53	2,206.18	12.58	9.76	122.62	-2,081.25	-7,108.94	7,671.88	7,649.89	22.00	348.792		
2,500.00	2,432.54	2,348.29	2,347.60	13.13	10.32	122.94	-2,072.10	-7,112.84	7,688.32	7,665.23	23.08	333.061		
2,600.00	2,528.74	2,427.84	2,426.89	13.69	10.63	123.13	-2,066.11	-7,114.99	7,704.63	7,680.71	23.92	322.073		
2,700.00	2,624.93	2,487.00	2,485.82	14.24	10.87	123.26	-2,061.33	-7,116.94	7,721.47	7,696.79	24.68	312.905		
2,800.00	2,721.12	2,599.15	2,597.46	14.80	11.33	123.53	-2,051.36	-7,120.92	7,738.52	7,712.86	25.66	301.535		
2,900.00	2,817.32	2,687.16	2,684.98	15.35	11.70	123.75	-2,042.70	-7,124.13	7,755.59	7,729.04	26.55	292.086		
3,000.00	2,913.51	2,753.91	2,751.29	15.91	11.98	123.92	-2,035.51	-7,126.84	7,773.01	7,745.65	27.35	284.188		
3,100.00	3,009.70	2,822.50	2,819.35	16.47	12.27	124.09	-2,027.66	-7,129.95	7,790.86	7,762.70	28.16	276.651		
3,200.00	3,105.90	2,896.71	2,893.00	17.03	12.59	124.28	-2,019.25	-7,133.52	7,809.13	7,780.14	29.00	269.295		
3,300.00	3,202.09	2,963.00	2,958.83	17.59	12.88	124.45	-2,012.12	-7,136.72	7,827.71	7,797.91	29.80	262.671		
3,400.00	3,298.28	3,026.73	3,022.13	18.15	13.16	124.61	-2,005.45	-7,140.00	7,846.75	7,816.16	30.59	256.502		
3,500.00	3,394.48	3,092.60	3,087.52	18.72	13.44	124.77	-1,998.52	-7,143.75	7,866.38	7,834.98	31.39	250.582		
3,600.00	3,490.67	3,200.50	3,194.67	19.28	13.92	125.04	-1,987.45	-7,149.95	7,886.25	7,853.86	32.39	243.443		
3,700.00	3,586.86	3,370.05	3,363.22	19.84	14.67	125.44	-1,970.99	-7,158.25	7,905.52	7,871.83	33.70	234.618		
3,800.00	3,683.06	3,465.94	3,458.51	20.41	15.10	125.67	-1,961.20	-7,162.65	7,924.60	7,889.96	34.65	228.717		
3,900.00	3,779.25	3,571.90	3,563.79	20.97	15.58	125.93	-1,950.14	-7,167.29	7,943.58	7,907.92	35.65	222.804		
4,000.00	3,875.44	3,642.15	3,633.58	21.54	15.90	126.10	-1,942.84	-7,170.45	7,962.81	7,926.32	36.48	218.251		
4,100.00	3,971.64	3,698.85	3,689.91	22.11	16.16	126.23	-1,937.01	-7,173.22	7,982.53	7,945.28	37.25	214.300		
4,200.00	4,067.83	3,778.70	3,769.24	22.67	16.52	126.42	-1,928.91	-7,177.40	8,002.71	7,964.59	38.13	209.893		
4,300.00	4,164.02	3,848.68	3,838.77	23.24	16.84	126.59	-1,921.91	-7,181.09	8,023.11	7,984.15	38.96	205.946		
4,400.00	4,260.22	3,913.00	3,902.60	23.81	17.14	126.74	-1,914.99	-7,184.91	8,044.09	8,004.33	39.76	202.324		
4,500.00	4,356.41	3,970.83	3,959.94	24.37	17.41	126.89	-1,908.46	-7,188.62	8,065.54	8,025.01	40.53	199.013		
4,600.00	4,452.60	4,058.48	4,046.81	24.94	17.82	127.10	-1,898.32	-7,194.39	8,087.29	8,045.84	41.45	195.104		
4,700.00	4,548.79	4,237.91	4,224.61	25.51	18.67	127.54	-1,876.82	-7,205.25	8,108.62	8,065.76	42.86	189.209		
4,800.00	4,644.99	4,327.44	4,313.43	26.08	19.10	127.76	-1,866.71	-7,210.19	8,129.70	8,085.91	43.79	185.648		
4,900.00	4,741.18	4,546.12	4,530.63	26.65	20.13	128.27	-1,843.31	-7,220.10	8,149.96	8,104.57	45.39	179.548		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.37	4,685.06	4,668.73	27.21	20.78	128.58	-1,828.84	-7,225.05	8,169.62	8,123.04	46.58	175.395		
5,100.00	4,933.57	4,762.11	4,745.41	27.78	21.13	128.75	-1,821.79	-7,227.51	8,189.17	8,141.73	47.45	172.600		
5,200.00	5,029.76	4,879.63	4,862.54	28.35	21.67	128.99	-1,812.90	-7,230.93	8,208.73	8,160.22	48.51	169.221		
5,300.00	5,125.95	4,950.75	4,933.50	28.92	21.99	129.13	-1,808.49	-7,232.92	8,228.43	8,179.10	49.34	166.785		
5,400.00	5,222.15	5,020.45	5,193.00	29.49	23.10	129.58	-1,799.89	-7,236.39	8,246.71	8,195.66	51.05	161.538		
5,500.00	5,318.34	5,278.52	5,261.07	30.06	23.39	129.69	-1,799.02	-7,236.76	8,264.95	8,213.10	51.85	159.404		
5,600.00	5,414.53	5,338.00	5,320.54	30.63	23.64	129.78	-1,798.47	-7,237.25	8,283.57	8,230.97	52.60	157.468		
5,700.00	5,510.73	5,400.79	5,383.32	31.20	23.89	129.88	-1,798.09	-7,238.01	8,302.65	8,249.28	53.37	155.564		
5,800.00	5,606.92	5,455.56	5,438.08	31.77	24.12	129.96	-1,797.93	-7,238.94	8,322.25	8,268.15	54.10	153.836		
5,900.00	5,703.11	5,500.00	5,544.95	32.34	25.92	130.12	-1,798.24	-7,241.17	8,342.36	8,285.93	56.43	147.845		
6,000.00	5,799.31	5,776.81	5,759.26	32.91	25.41	130.40	-1,802.22	-7,242.75	8,361.16	8,304.65	56.51	147.962		
6,100.00	5,895.50	5,871.54	5,853.98	33.48	25.79	130.53	-1,803.80	-7,242.93	8,379.64	8,322.23	57.41	145.955		
6,200.00	5,991.69	5,954.74	5,937.17	34.05	26.12	130.64	-1,804.79	-7,243.21	8,398.26	8,339.99	58.27	144.137		
6,300.00	6,087.89	6,037.79	6,020.21	34.62	26.46	130.76	-1,805.55	-7,243.66	8,417.10	8,357.98	59.12	142.373		
6,400.00	6,184.08	6,127.31	6,109.72	35.19	26.82	130.88	-1,806.29	-7,244.24	8,436.08	8,376.08	60.00	140.590		
6,500.00	6,280.27	6,214.62	6,197.03	35.77	27.17	131.00	-1,807.09	-7,244.89	8,455.20	8,394.32	60.88	138.884		
6,535.30	6,314.23	6,244.38	6,226.79	35.97	27.29	131.04	-1,807.36	-7,245.13	8,461.99	8,400.80	61.18	138.304		
6,550.00	6,328.40	6,256.80	6,239.20	36.05	27.35	127.65	-1,807.47	-7,245.24	8,464.65	8,403.34	61.31	138.064		
6,600.00	6,377.01	6,297.50	6,279.90	36.31	27.51	112.53	-1,807.80	-7,245.61	8,471.25	8,409.53	61.72	137.254		
6,650.00	6,426.00	6,333.29	6,315.69	36.54	27.66	91.60	-1,808.01	-7,245.99	8,474.04	8,411.95	62.09	136.486		
6,700.00	6,475.08	6,369.14	6,351.54	36.73	27.81	68.75	-1,808.13	-7,246.43	8,473.00	8,410.57	62.43	135.725		
6,750.00	6,523.94	6,428.14	6,410.54	36.90	28.05	50.16	-1,808.22	-7,247.19	8,468.08	8,405.23	62.85	134.738		
6,800.00	6,572.28	6,456.92	6,439.31	37.05	28.17	37.33	-1,808.30	-7,247.55	8,459.30	8,396.21	63.10	134.069		
6,850.00	6,619.81	6,477.00	6,459.39	37.19	28.25	28.76	-1,808.64	-7,247.86	8,446.87	8,383.59	63.28	133.487		
6,900.00	6,666.23	6,491.00	6,473.38	37.32	28.31	22.86	-1,809.10	-7,248.10	8,430.86	8,367.45	63.41	132.960		
6,950.00	6,711.25	6,509.00	6,491.35	37.46	28.38	18.62	-1,810.01	-7,248.46	8,411.37	8,347.83	63.54	132.379		
7,000.00	6,754.60	6,509.00	6,491.35	37.61	28.38	15.41	-1,810.01	-7,248.46	8,388.53	8,324.97	63.57	131.959		
7,050.00	6,796.01	6,529.39	6,511.68	37.77	28.46	12.89	-1,811.51	-7,248.95	8,362.42	8,298.74	63.68	131.322		
7,100.00	6,835.22	6,541.00	6,523.23	37.94	28.51	10.82	-1,812.59	-7,249.28	8,333.22	8,269.49	63.74	130.746		
7,150.00	6,871.99	6,541.00	6,523.23	38.12	28.51	9.04	-1,812.59	-7,249.28	8,301.10	8,237.37	63.73	130.260		
7,200.00	6,906.10	6,561.52	6,543.62	38.34	28.58	7.43	-1,814.90	-7,249.92	8,266.17	8,202.36	63.81	129.550		
7,250.00	6,937.34	6,572.00	6,554.00	38.57	28.62	5.90	-1,816.26	-7,250.28	8,228.67	8,164.84	63.83	128.909		
7,300.00	6,965.51	6,582.91	6,564.78	38.84	28.66	4.34	-1,817.82	-7,250.68	8,188.79	8,124.93	63.86	128.236		
7,350.00	6,990.44	6,593.53	6,575.27	39.14	28.70	2.65	-1,819.46	-7,251.07	8,146.75	8,082.88	63.88	127.537		
7,400.00	7,011.97	6,604.00	6,585.59	39.47	28.74	0.68	-1,821.21	-7,251.47	8,102.80	8,038.90	63.90	126.808		
7,450.00	7,029.98	6,620.35	6,601.65	39.85	28.80	-1.88	-1,824.18	-7,252.09	8,057.16	7,993.21	63.95	125.999		
7,500.00	7,044.34	6,635.90	6,616.88	40.26	28.85	-5.49	-1,827.27	-7,252.66	8,010.10	7,946.11	64.00	125.167		
7,550.00	7,054.99	6,648.39	6,629.08	40.72	28.90	-11.25	-1,829.95	-7,253.11	7,961.92	7,897.88	64.04	124.336		
7,600.00	7,061.83	6,656.95	6,637.41	41.21	28.93	-21.94	-1,831.88	-7,253.40	7,912.90	7,848.83	64.06	123.514		
7,650.00	7,064.85	6,661.59	6,641.92	41.73	28.94	-45.72	-1,832.96	-7,253.56	7,863.35	7,799.26	64.09	122.701		
7,661.89	7,065.00	6,662.12	6,642.43	41.86	28.94	-54.93	-1,833.09	-7,253.57	7,851.52	7,787.43	64.09	122.508		
7,700.00	7,065.13	6,663.45	6,643.73	42.28	28.95	-55.02	-1,833.40	-7,253.62	7,813.59	7,749.49	64.10	121.896		
7,800.00	7,065.47	6,666.91	6,647.08	43.53	28.96	-55.26	-1,834.23	-7,253.73	7,714.07	7,649.94	64.13	120.286		
7,900.00	7,065.82	6,669.52	6,649.61	44.94	28.97	-55.45	-1,834.87	-7,253.82	7,614.57	7,550.41	64.16	118.680		
8,000.00	7,066.16	6,672.08	6,652.09	46.50	28.98	-55.63	-1,835.49	-7,253.91	7,515.08	7,450.88	64.19	117.068		
8,100.00	7,066.50	6,674.62	6,654.55	48.19	28.99	-55.81	-1,836.13	-7,253.99	7,415.60	7,351.37	64.23	115.451		
8,200.00	7,066.85	6,677.14	6,656.99	50.00	29.00	-55.98	-1,836.76	-7,254.07	7,316.13	7,251.86	64.27	113.829		
8,300.00	7,067.19	6,679.64	6,659.40	51.91	29.00	-56.16	-1,837.39	-7,254.15	7,216.68	7,152.36	64.32	112.201		
8,400.00	7,067.54	6,682.11	6,661.79	53.92	29.01	-56.34	-1,838.03	-7,254.23	7,117.24	7,052.87	64.37	110.568		
8,500.00	7,067.88	6,684.57	6,664.16	56.01	29.02	-56.52	-1,838.66	-7,254.31	7,017.82	6,953.39	64.43	108.930		
8,600.00	7,068.22	6,687.00	6,666.51	58.16	29.03	-56.69	-1,839.30	-7,254.39	6,918.41	6,853.92	64.49	107.286		
8,700.00	7,068.57	6,689.41	6,668.83	60.38	29.04	-56.86	-1,839.94	-7,254.47	6,819.02	6,754.46	64.55	105.636		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	6,691.80	6,671.14	62.65	29.04	-57.04	-1,840.58	-7,254.54	6,719.64	6,655.02	64.62	103.980		
8,900.00	7,069.25	6,694.18	6,673.42	64.97	29.05	-57.21	-1,841.22	-7,254.62	6,620.28	6,555.58	64.70	102.319		
9,000.00	7,069.60	6,696.00	6,677.09	67.34	29.07	-57.49	-1,842.27	-7,254.74	6,520.94	6,456.15	64.80	100.639		
9,100.00	7,069.94	6,698.00	6,677.09	69.74	29.07	-57.49	-1,842.27	-7,254.74	6,421.62	6,356.75	64.87	98.986		
9,200.00	7,070.28	6,698.00	6,677.09	72.18	29.07	-57.49	-1,842.27	-7,254.74	6,322.32	6,257.36	64.96	97.326		
9,300.00	7,070.63	6,703.09	6,681.98	74.65	29.08	-57.86	-1,843.68	-7,254.90	6,223.04	6,157.96	65.08	95.617		
9,400.00	7,070.97	6,705.22	6,684.02	77.15	29.09	-58.02	-1,844.28	-7,254.97	6,123.79	6,058.59	65.20	93.926		
9,500.00	7,071.32	6,707.34	6,686.06	79.67	29.10	-58.17	-1,844.89	-7,255.03	6,024.55	5,959.23	65.32	92.230		
9,600.00	7,071.66	6,709.45	6,688.08	82.22	29.10	-58.33	-1,845.49	-7,255.10	5,925.34	5,859.89	65.45	90.526		
9,700.00	7,072.00	6,711.55	6,690.08	84.78	29.11	-58.48	-1,846.10	-7,255.16	5,826.16	5,760.56	65.60	88.816		
9,800.00	7,072.35	6,713.64	6,692.08	87.37	29.12	-58.64	-1,846.70	-7,255.23	5,727.01	5,661.25	65.75	87.100		
9,900.00	7,072.69	6,715.71	6,694.06	89.97	29.12	-58.79	-1,847.31	-7,255.29	5,627.88	5,561.96	65.92	85.376		
10,000.00	7,073.03	6,717.78	6,696.04	92.59	29.13	-58.94	-1,847.92	-7,255.36	5,528.78	5,462.69	66.10	83.646		
10,100.00	7,073.38	6,719.84	6,698.00	95.22	29.14	-59.10	-1,848.53	-7,255.42	5,429.72	5,363.43	66.29	81.909		
10,200.00	7,073.72	6,721.88	6,699.95	97.86	29.14	-59.25	-1,849.15	-7,255.48	5,330.69	5,264.19	66.50	80.166		
10,300.00	7,074.07	6,723.92	6,701.89	100.52	29.15	-59.40	-1,849.76	-7,255.54	5,231.69	5,164.97	66.72	78.415		
10,400.00	7,074.41	6,725.94	6,703.82	103.19	29.16	-59.55	-1,850.38	-7,255.61	5,132.74	5,065.78	66.96	76.657		
10,500.00	7,074.75	6,730.00	6,707.68	105.87	29.17	-59.86	-1,851.62	-7,255.73	5,033.82	4,966.59	67.23	74.874		
10,600.00	7,075.10	6,730.00	6,707.68	108.55	29.17	-59.86	-1,851.62	-7,255.73	4,934.94	4,867.45	67.49	73.121		
10,700.00	7,075.44	6,730.00	6,707.68	111.25	29.17	-59.86	-1,851.62	-7,255.73	4,836.11	4,768.34	67.77	71.360		
10,800.00	7,075.78	6,730.00	6,707.68	113.96	29.17	-59.86	-1,851.62	-7,255.73	4,737.33	4,669.26	68.07	69.593		
10,900.00	7,076.13	6,730.00	6,707.68	116.67	29.17	-59.86	-1,851.62	-7,255.73	4,638.60	4,570.21	68.40	67.820		
11,000.00	7,076.47	6,736.45	6,713.81	119.39	29.19	-60.34	-1,853.64	-7,255.93	4,539.92	4,471.11	68.81	65.981		
11,100.00	7,076.81	6,738.09	6,715.35	122.11	29.20	-60.47	-1,854.16	-7,255.98	4,441.30	4,372.10	69.20	64.180		
11,200.00	7,077.16	6,739.72	6,716.90	124.85	29.20	-60.59	-1,854.68	-7,256.03	4,342.75	4,273.12	69.63	62.373		
11,300.00	7,077.50	6,741.36	6,718.45	127.58	29.21	-60.72	-1,855.21	-7,256.08	4,244.25	4,174.17	70.08	60.560		
11,400.00	7,077.85	6,743.01	6,720.01	130.33	29.21	-60.84	-1,855.74	-7,256.13	4,145.84	4,075.26	70.58	58.741		
11,500.00	7,078.19	6,744.65	6,721.57	133.08	29.22	-60.96	-1,856.27	-7,256.18	4,047.49	3,976.38	71.11	56.918		
11,600.00	7,078.53	6,746.31	6,723.13	135.83	29.22	-61.09	-1,856.81	-7,256.23	3,949.23	3,877.54	71.69	55.090		
11,700.00	7,078.88	6,747.96	6,724.69	138.59	29.23	-61.22	-1,857.36	-7,256.28	3,851.06	3,778.75	72.31	53.259		
11,800.00	7,079.22	6,749.62	6,726.26	141.35	29.23	-61.34	-1,857.91	-7,256.33	3,752.98	3,680.00	72.98	51.425		
11,900.00	7,079.56	6,751.29	6,727.83	144.11	29.24	-61.47	-1,858.46	-7,256.38	3,655.00	3,581.30	73.71	49.589		
12,000.00	7,079.91	6,752.96	6,729.40	146.88	29.24	-61.60	-1,859.02	-7,256.44	3,557.14	3,482.64	74.49	47.752		
12,100.00	7,080.25	6,754.63	6,730.98	149.66	29.25	-61.73	-1,859.58	-7,256.49	3,459.39	3,384.05	75.34	45.915		
12,200.00	7,080.60	6,761.00	6,736.96	152.43	29.27	-62.21	-1,861.75	-7,256.69	3,361.79	3,285.44	76.34	44.036		
12,300.00	7,080.94	6,761.00	6,736.96	155.21	29.27	-62.21	-1,861.75	-7,256.69	3,264.31	3,186.99	77.32	42.219		
12,400.00	7,081.28	6,761.00	6,736.96	157.99	29.27	-62.21	-1,861.75	-7,256.69	3,166.99	3,088.62	78.38	40.406		
12,500.00	7,081.63	6,761.59	6,737.52	160.78	29.27	-62.26	-1,861.95	-7,256.71	3,069.85	2,990.31	79.54	38.594		
12,600.00	7,081.97	6,764.27	6,740.02	163.57	29.28	-62.46	-1,862.87	-7,256.79	2,972.89	2,892.05	80.85	36.772		
12,700.00	7,082.31	6,766.85	6,742.44	166.36	29.29	-62.66	-1,863.78	-7,256.87	2,876.14	2,793.88	82.27	34.962		
12,800.00	7,082.66	6,769.34	6,744.77	169.15	29.29	-62.85	-1,864.65	-7,256.94	2,779.62	2,695.81	83.81	33.165		
12,900.00	7,083.00	6,771.75	6,747.02	171.94	29.30	-63.04	-1,865.50	-7,257.01	2,683.35	2,597.85	85.50	31.385		
13,000.00	7,083.35	6,774.07	6,749.20	174.74	29.31	-63.22	-1,866.33	-7,257.08	2,587.35	2,500.01	87.34	29.623		
13,100.00	7,083.69	6,776.32	6,751.30	177.54	29.32	-63.39	-1,867.14	-7,257.14	2,491.67	2,402.32	89.36	27.885		
13,200.00	7,084.03	6,778.50	6,753.32	180.34	29.32	-63.56	-1,867.93	-7,257.20	2,396.34	2,304.78	91.56	26.171		
13,300.00	7,084.38	6,780.61	6,755.29	183.14	29.33	-63.72	-1,868.70	-7,257.26	2,301.41	2,207.42	93.99	24.487		
13,400.00	7,084.72	6,782.65	6,757.18	185.95	29.34	-63.88	-1,869.45	-7,257.32	2,206.92	2,110.27	96.65	22.835		
13,500.00	7,085.06	6,784.63	6,759.02	188.76	29.34	-64.03	-1,870.17	-7,257.37	2,112.93	2,013.35	99.58	21.219		
13,600.00	7,085.41	6,786.54	6,760.80	191.56	29.35	-64.18	-1,870.89	-7,257.42	2,019.52	1,916.71	102.81	19.643		
13,700.00	7,085.75	6,788.40	6,762.53	194.37	29.35	-64.33	-1,871.58	-7,257.47	1,926.76	1,820.38	106.38	18.112		
13,800.00	7,086.09	6,793.00	6,766.78	197.18	29.37	-64.68	-1,873.31	-7,257.58	1,834.77	1,724.32	110.45	16.612		
13,900.00	7,086.44	6,793.00	6,766.78	200.00	29.37	-64.68	-1,873.31	-7,257.58	1,743.65	1,628.89	114.76	15.193		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	6,793.00	6,766.78	202.81	29.37	-64.68	-1,873.31	-7,257.58	1,653.56	1,534.00	119.56	13.830		
14,100.00	7,087.13	6,793.00	6,766.78	205.63	29.37	-64.68	-1,873.31	-7,257.58	1,564.67	1,439.77	124.90	12.527		
14,200.00	7,087.47	6,793.00	6,766.78	208.44	29.37	-64.68	-1,873.31	-7,257.58	1,477.21	1,346.35	130.86	11.289		
14,300.00	7,087.81	6,798.15	6,771.54	211.26	29.38	-65.08	-1,875.27	-7,257.71	1,391.41	1,253.62	137.80	10.098		
14,400.00	7,088.16	6,799.61	6,772.89	214.08	29.39	-65.20	-1,875.83	-7,257.74	1,307.65	1,162.33	145.32	8.999		
14,500.00	7,088.50	6,801.03	6,774.20	216.90	29.39	-65.31	-1,876.39	-7,257.78	1,226.31	1,072.62	153.70	7.979		
14,600.00	7,088.84	6,802.44	6,775.49	219.72	29.40	-65.42	-1,876.93	-7,257.81	1,147.93	984.92	163.01	7.042		
14,700.00	7,089.19	6,803.81	6,776.76	222.54	29.40	-65.52	-1,877.47	-7,257.84	1,073.14	899.86	173.28	6.193		
14,800.00	7,089.53	6,805.16	6,778.00	225.37	29.40	-65.63	-1,878.00	-7,257.87	1,002.75	818.26	184.49	5.435		
14,900.00	7,089.88	6,806.49	6,779.22	228.19	29.41	-65.73	-1,878.52	-7,257.90	937.76	741.23	196.52	4.772		
15,000.00	7,090.22	6,807.79	6,780.42	231.02	29.41	-65.83	-1,879.03	-7,257.93	879.35	670.26	209.09	4.206		
15,100.00	7,090.56	6,809.07	6,781.60	233.84	29.42	-65.93	-1,879.54	-7,257.96	828.93	607.24	221.69	3.739		
15,200.00	7,090.91	6,810.33	6,782.75	236.67	29.42	-66.03	-1,880.04	-7,257.99	788.03	554.48	233.54	3.374		
15,227.29	7,091.00	6,810.67	6,783.06	237.44	29.42	-66.06	-1,880.17	-7,257.99	778.72	542.20	236.52	3.292		
15,300.00	7,091.25	6,811.77	6,784.06	239.49	29.42	-65.96	-1,880.61	-7,258.02	757.36	513.74	243.62	3.109		
15,326.57	7,091.35	6,812.26	6,784.52	240.24	29.43	-65.94	-1,880.81	-7,258.03	750.75	504.90	245.85	3.054		
15,400.00	7,091.60	6,813.70	6,785.83	242.30	29.43	-66.05	-1,881.38	-7,258.06	736.86	486.01	250.86	2.937		
15,500.00	7,091.96	6,815.63	6,787.60	245.12	29.44	-66.20	-1,882.16	-7,258.10	729.49	474.97	254.52	2.866		
15,504.08	7,091.97	6,815.71	6,787.68	245.23	29.44	-66.21	-1,882.19	-7,258.10	729.48	474.89	254.59	2.865	CC, ES, SF	
15,600.00	7,092.31	6,817.54	6,789.35	247.93	29.44	-66.35	-1,882.94	-7,258.14	735.76	481.55	254.21	2.894		
15,700.00	7,092.66	6,825.00	6,796.15	250.75	29.46	-66.94	-1,886.00	-7,258.29	755.36	504.51	250.85	3.011		
15,800.00	7,093.01	6,825.00	6,796.15	253.56	29.46	-66.94	-1,886.00	-7,258.29	787.20	543.72	243.48	3.233		
15,900.00	7,093.36	6,825.00	6,796.15	256.38	29.46	-66.94	-1,886.00	-7,258.29	829.94	595.84	234.10	3.545		
16,000.00	7,093.71	6,825.00	6,796.15	259.20	29.46	-66.94	-1,886.00	-7,258.29	882.00	658.31	223.69	3.943		
16,100.00	7,094.07	6,825.00	6,796.15	262.02	29.46	-66.94	-1,886.00	-7,258.29	941.83	728.82	213.00	4.422		
16,200.00	7,094.42	6,825.00	6,796.15	264.84	29.46	-66.94	-1,886.00	-7,258.29	1,008.05	805.47	202.57	4.976		
16,300.00	7,094.77	6,825.00	6,796.15	267.65	29.46	-66.94	-1,886.00	-7,258.29	1,079.48	886.76	192.72	5.601		
16,400.00	7,095.12	6,831.91	6,802.43	270.47	29.48	-67.48	-1,888.88	-7,258.42	1,155.12	970.94	184.18	6.272		
16,500.00	7,095.47	6,833.60	6,803.96	273.30	29.49	-67.61	-1,889.60	-7,258.45	1,234.25	1,058.33	175.92	7.016		
16,600.00	7,095.82	6,835.26	6,805.46	276.12	29.49	-67.74	-1,890.30	-7,258.48	1,316.21	1,147.81	168.40	7.816		
16,700.00	7,096.18	6,836.90	6,806.95	278.94	29.50	-67.87	-1,891.00	-7,258.51	1,400.52	1,238.92	161.60	8.667		
16,800.00	7,096.53	6,838.52	6,808.41	281.76	29.50	-68.00	-1,891.70	-7,258.54	1,486.77	1,331.32	155.45	9.564		
16,900.00	7,096.88	6,840.12	6,809.85	284.58	29.51	-68.12	-1,892.38	-7,258.57	1,574.65	1,424.75	149.89	10.505		
17,000.00	7,097.23	6,841.69	6,811.27	287.41	29.51	-68.24	-1,893.06	-7,258.60	1,663.89	1,519.02	144.87	11.485		
17,100.00	7,097.58	6,843.25	6,812.67	290.23	29.52	-68.37	-1,893.74	-7,258.62	1,754.29	1,613.96	140.33	12.502		
17,200.00	7,097.93	6,844.78	6,814.05	293.06	29.52	-68.49	-1,894.40	-7,258.65	1,845.67	1,709.47	136.20	13.551		
17,300.00	7,098.29	6,846.30	6,815.42	295.88	29.53	-68.60	-1,895.07	-7,258.67	1,937.91	1,805.45	132.46	14.630		
17,400.00	7,098.64	6,847.79	6,816.76	298.71	29.53	-68.72	-1,895.72	-7,258.70	2,030.88	1,901.83	129.05	15.737		
17,500.00	7,098.99	6,849.27	6,818.08	301.53	29.54	-68.84	-1,896.37	-7,258.72	2,124.48	1,998.54	125.94	16.869		
17,600.00	7,099.34	6,857.00	6,825.01	304.36	29.56	-69.44	-1,899.81	-7,258.83	2,218.66	2,095.26	123.40	17.979		
17,700.00	7,099.69	6,857.00	6,825.01	307.19	29.56	-69.44	-1,899.81	-7,258.83	2,313.30	2,192.58	120.72	19.162		
17,800.00	7,100.04	6,857.00	6,825.01	310.01	29.56	-69.44	-1,899.81	-7,258.83	2,408.38	2,290.12	118.26	20.365		
17,900.00	7,100.40	6,857.00	6,825.01	312.84	29.56	-69.44	-1,899.81	-7,258.83	2,503.84	2,387.84	116.00	21.585		
18,000.00	7,100.75	6,857.00	6,825.01	315.67	29.56	-69.44	-1,899.81	-7,258.83	2,599.63	2,485.72	113.91	22.821		
18,100.00	7,101.10	6,857.00	6,825.01	318.50	29.56	-69.44	-1,899.81	-7,258.83	2,695.74	2,583.75	111.99	24.072		
18,200.00	7,101.45	6,857.00	6,825.01	321.33	29.56	-69.44	-1,899.81	-7,258.83	2,792.12	2,681.91	110.21	25.335		
18,300.00	7,101.80	6,857.00	6,825.01	324.16	29.56	-69.44	-1,899.81	-7,258.83	2,888.74	2,780.18	108.56	26.609		
18,400.00	7,102.16	6,857.00	6,825.01	326.99	29.56	-69.44	-1,899.81	-7,258.83	2,985.59	2,878.55	107.04	27.894		
18,500.00	7,102.51	6,857.00	6,825.01	329.82	29.56	-69.44	-1,899.81	-7,258.83	3,082.64	2,977.02	105.62	29.187		
18,600.00	7,102.86	6,857.00	6,825.01	332.65	29.56	-69.44	-1,899.81	-7,258.83	3,179.87	3,075.57	104.30	30.489		
18,700.00	7,103.21	6,857.00	6,825.01	335.48	29.56	-69.44	-1,899.81	-7,258.83	3,277.26	3,174.20	103.07	31.797		
18,800.00	7,103.56	6,865.74	6,832.80	338.31	29.58	-70.12	-1,903.78	-7,258.95	3,374.78	3,272.58	102.21	33.020		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	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)	(ft)						
18,900.00	7,103.91	6,866.83	6,833.76	341.14	29.59	-70.20	-1,904.28	-7,258.96	3,472.47	3,371.30	101.16	34.326						
18,924.52	7,104.00	6,867.10	6,834.00	341.83	29.59	-70.22	-1,904.41	-7,258.97	3,496.43	3,395.51	100.92	34.646						

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	232.89	232.81	3.28	3.36	-106.37	-2,078.88	-7,079.33	7,382.25					
100.00	100.00	319.25	319.13	3.28	3.46	-106.37	-2,078.31	-7,076.62	7,379.05	7,372.31	6.74	1,094.150		
200.00	200.00	368.45	368.30	3.34	3.53	-106.37	-2,078.20	-7,075.21	7,376.26	7,369.40	6.87	1,074.234		
300.00	299.98	422.00	421.84	3.44	3.62	120.66	-2,077.15	-7,074.42	7,375.13	7,368.07	7.06	1,044.659		
300.25	300.23	422.00	421.84	3.44	3.62	120.66	-2,077.15	-7,074.42	7,375.13	7,368.07	7.06	1,044.611		
400.00	399.84	458.46	458.29	3.59	3.69	120.66	-2,076.24	-7,074.23	7,376.50	7,369.22	7.28	1,013.276		
500.00	499.45	513.00	512.82	3.80	3.81	120.63	-2,075.37	-7,074.20	7,380.39	7,372.80	7.59	971.954		
600.00	598.70	603.29	603.11	4.04	4.02	120.61	-2,074.76	-7,074.24	7,386.48	7,378.43	8.05	917.638		
700.00	697.47	767.61	767.41	4.32	4.47	120.66	-2,073.19	-7,073.23	7,393.52	7,384.74	8.79	841.418		
800.00	795.62	866.37	866.16	4.65	4.77	120.64	-2,071.89	-7,072.50	7,402.30	7,392.89	9.41	786.231		
900.00	893.06	938.81	938.60	5.02	5.01	120.57	-2,071.25	-7,071.98	7,413.04	7,403.03	10.01	740.554		
993.00	982.91	1,061.40	1,061.17	5.39	5.43	120.59	-2,069.69	-7,071.36	7,424.79	7,414.00	10.79	687.865		
1,000.00	989.65	1,074.71	1,074.48	5.42	5.47	120.62	-2,069.45	-7,071.26	7,425.71	7,414.84	10.87	683.103		
1,100.00	1,085.84	1,139.66	1,139.42	5.86	5.70	120.74	-2,068.26	-7,070.92	7,439.02	7,427.50	11.52	645.661		
1,200.00	1,182.03	1,197.17	1,196.92	6.32	5.91	120.86	-2,067.22	-7,070.83	7,452.79	7,440.62	12.17	612.475		
1,300.00	1,278.22	2,059.36	2,056.50	6.79	9.35	122.59	-2,031.14	-7,033.05	7,463.13	7,447.13	16.00	466.406		
1,400.00	1,374.42	2,107.00	2,103.80	7.28	9.56	122.70	-2,026.89	-7,029.22	7,467.88	7,451.21	16.68	447.776		
1,500.00	1,470.61	2,327.34	2,322.40	7.79	10.55	123.19	-2,007.76	-7,009.39	7,471.77	7,453.68	18.09	413.059		
1,600.00	1,566.80	2,393.00	2,387.57	8.30	10.85	123.33	-2,002.92	-7,003.06	7,475.66	7,456.80	18.86	396.277		
1,700.00	1,663.00	2,448.99	2,443.18	8.82	11.10	123.45	-1,999.00	-6,997.87	7,480.09	7,460.49	19.61	381.487		
1,800.00	1,759.19	2,567.45	2,560.83	9.34	11.64	123.70	-1,990.21	-6,987.16	7,484.82	7,464.20	20.62	362.948		
1,900.00	1,855.38	2,752.58	2,744.42	9.87	12.51	124.10	-1,974.73	-6,969.06	7,488.66	7,466.73	21.93	341.453		
2,000.00	1,951.58	2,868.00	2,858.84	10.41	13.06	124.34	-1,966.46	-6,956.41	7,491.78	7,468.84	22.95	326.471		
2,100.00	2,047.77	2,935.56	2,925.86	10.95	13.38	124.48	-1,962.47	-6,948.83	7,495.15	7,471.39	23.76	315.412		
2,200.00	2,143.96	2,963.00	2,953.10	11.49	13.50	124.53	-1,960.84	-6,945.92	7,499.31	7,474.90	24.41	307.213		
2,300.00	2,240.16	3,012.31	3,002.08	12.04	13.74	124.63	-1,957.86	-6,941.09	7,504.25	7,479.10	25.15	298.339		
2,400.00	2,336.35	3,400.00	3,078.10	12.58	10.90	124.79	-1,953.11	-6,934.45	7,510.09	7,487.06	23.03	326.129		
2,500.00	2,432.54	3,246.00	3,234.26	13.13	14.84	125.11	-1,942.59	-6,919.54	7,515.04	7,487.81	27.23	275.982		
2,600.00	2,528.74	3,297.81	3,285.71	13.69	15.08	125.22	-1,938.96	-6,914.57	7,520.27	7,492.28	27.99	268.664		
2,700.00	2,624.93	3,341.00	3,328.65	14.24	15.29	125.30	-1,936.17	-6,910.91	7,526.50	7,497.78	28.72	262.108		
2,800.00	2,721.12	3,458.68	3,445.69	14.80	15.84	125.54	-1,928.78	-6,901.15	7,533.17	7,503.40	29.77	253.086		
2,900.00	2,817.32	3,577.51	3,563.79	15.35	16.40	125.79	-1,921.03	-6,890.56	7,539.24	7,508.42	30.82	244.597		
3,000.00	2,913.51	3,752.37	3,737.51	15.91	17.24	126.14	-1,909.11	-6,874.49	7,545.25	7,513.12	32.13	234.844		
3,100.00	3,009.70	4,054.76	4,036.98	16.47	18.74	126.76	-1,886.98	-6,839.16	7,547.73	7,513.74	33.99	222.056		
3,200.00	3,105.90	4,102.00	4,083.69	17.03	18.98	126.87	-1,882.77	-6,833.47	7,550.75	7,516.00	34.75	217.290		
3,300.00	3,202.09	4,147.91	4,129.10	17.59	19.21	126.97	-1,878.57	-6,828.26	7,554.50	7,518.99	35.50	212.785		
3,400.00	3,298.28	4,197.00	4,177.73	18.15	19.45	127.07	-1,874.13	-6,823.15	7,559.11	7,522.84	36.27	208.416		
3,500.00	3,394.48	4,197.00	4,177.73	18.72	19.45	127.07	-1,874.13	-6,823.15	7,564.64	7,527.83	36.81	205.484		
3,600.00	3,490.67	4,253.77	4,234.03	19.28	19.73	127.20	-1,869.18	-6,817.90	7,570.87	7,533.26	37.61	201.302		
3,700.00	3,586.86	4,292.00	4,272.01	19.84	19.92	127.28	-1,866.02	-6,814.78	7,578.12	7,539.80	38.32	197.759		
3,800.00	3,683.06	4,343.78	4,323.47	20.41	20.16	127.39	-1,861.78	-6,810.91	7,586.12	7,547.03	39.09	194.070		
3,900.00	3,779.25	4,411.48	4,390.76	20.97	20.49	127.54	-1,856.05	-6,806.16	7,594.66	7,554.72	39.93	190.193		
4,000.00	3,875.44	4,573.14	4,551.42	21.54	21.26	127.89	-1,842.25	-6,794.80	7,603.45	7,562.25	41.21	184.520		
4,100.00	3,971.64	4,626.44	4,604.37	22.11	21.52	128.00	-1,837.63	-6,790.81	7,611.76	7,569.78	41.98	181.301		
4,200.00	4,067.83	4,694.62	4,672.15	22.67	21.84	128.15	-1,831.81	-6,786.15	7,620.74	7,577.91	42.83	177.935		
4,300.00	4,164.02	4,798.20	4,775.13	23.24	22.34	128.37	-1,823.63	-6,778.64	7,629.56	7,585.72	43.84	174.047		
4,400.00	4,260.22	4,862.00	4,838.62	23.81	22.64	128.50	-1,818.94	-6,774.45	7,639.11	7,594.45	44.66	171.060		
4,500.00	4,356.41	4,927.71	4,904.04	24.37	22.95	128.64	-1,814.50	-6,770.33	7,649.15	7,603.67	45.48	168.171		
4,600.00	4,452.60	5,004.65	4,980.71	24.94	23.30	128.79	-1,810.22	-6,765.31	7,659.31	7,612.95	46.36	165.218		
4,700.00	4,548.79	5,053.00	5,028.92	25.51	23.53	128.88	-1,808.42	-6,762.22	7,669.98	7,622.89	47.10	162.851		
4,800.00	4,644.99	5,053.00	5,028.92	26.08	23.53	128.88	-1,808.42	-6,762.22	7,681.71	7,634.10	47.61	161.354		
4,900.00	4,741.18	5,103.76	5,079.58	26.65	23.75	128.97	-1,806.90	-6,759.56	7,694.00	7,645.66	48.35	159.140		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	4,837.37	5,148.00	5,123.78	27.21	23.94	129.04	-1,805.55	-6,758.13	7,707.63	7,658.58	49.05	157.126		
5,100.00	4,933.57	5,148.00	5,123.78	27.78	23.94	129.04	-1,805.55	-6,758.13	7,721.99	7,672.45	49.54	155.861		
5,200.00	5,029.76	5,215.59	5,191.33	28.35	24.23	129.17	-1,803.42	-6,756.73	7,737.18	7,686.83	50.35	153.654		
5,300.00	5,125.95	5,242.00	5,217.72	28.92	24.35	129.21	-1,802.57	-6,756.27	7,752.98	7,702.01	50.96	152.133		
5,400.00	5,222.15	5,281.87	5,257.57	29.49	24.50	129.28	-1,801.63	-6,755.86	7,769.57	7,717.95	51.62	150.515		
5,500.00	5,318.34	5,337.00	5,312.70	30.06	24.72	129.37	-1,801.58	-6,756.09	7,787.37	7,735.02	52.35	148.766		
5,600.00	5,414.53	5,337.00	5,312.70	30.63	24.72	129.37	-1,801.58	-6,756.09	7,805.67	7,752.86	52.81	147.820		
5,700.00	5,510.73	5,442.03	5,417.72	31.20	25.10	129.53	-1,802.70	-6,757.27	7,824.68	7,770.94	53.74	145.601		
5,800.00	5,606.92	5,553.36	5,529.04	31.77	25.51	129.70	-1,803.62	-6,758.20	7,843.42	7,788.71	54.71	143.367		
5,900.00	5,703.11	5,634.81	5,610.49	32.34	25.81	129.82	-1,804.26	-6,758.91	7,862.25	7,806.71	55.54	141.562		
6,000.00	5,799.31	5,705.46	5,681.12	32.91	26.07	129.93	-1,804.95	-6,759.70	7,881.39	7,825.07	56.32	139.941		
6,100.00	5,895.50	5,775.45	5,751.11	33.48	26.34	130.03	-1,805.64	-6,760.71	7,900.89	7,843.79	57.10	138.379		
6,200.00	5,991.69	5,855.30	5,830.94	34.05	26.63	130.15	-1,806.18	-6,762.13	7,920.73	7,862.81	57.92	136.755		
6,300.00	6,087.89	5,945.83	5,921.46	34.62	26.97	130.29	-1,807.00	-6,763.81	7,940.71	7,881.92	58.79	135.059		
6,400.00	6,184.08	6,029.02	6,004.62	35.19	27.29	130.41	-1,807.63	-6,765.44	7,960.84	7,901.20	59.63	133.494		
6,500.00	6,280.27	6,194.00	6,169.57	35.77	27.91	130.65	-1,808.96	-6,768.63	7,981.19	7,920.32	60.87	131.115		
6,535.30	6,314.23	6,220.43	6,195.99	35.97	28.01	130.69	-1,809.23	-6,768.95	7,988.08	7,926.92	61.16	130.619		
6,550.00	6,328.40	6,230.26	6,205.82	36.05	28.05	127.30	-1,809.31	-6,769.08	7,990.79	7,929.53	61.27	130.426		
6,600.00	6,377.01	6,263.98	6,239.53	36.31	28.18	112.18	-1,809.55	-6,769.56	7,997.60	7,935.96	61.64	129.755		
6,650.00	6,426.00	6,297.86	6,273.41	36.54	28.31	91.25	-1,809.71	-6,770.12	8,000.62	7,938.63	61.99	129.072		
6,700.00	6,475.08	6,330.28	6,305.82	36.73	28.43	68.41	-1,809.86	-6,770.72	7,999.84	7,937.54	62.30	128.408		
6,750.00	6,523.94	6,352.00	6,327.54	36.90	28.52	49.77	-1,810.16	-6,771.15	7,995.28	7,932.75	62.53	127.861		
6,800.00	6,572.28	6,370.29	6,345.81	37.05	28.58	36.92	-1,810.70	-6,771.55	7,987.04	7,924.32	62.71	127.355		
6,850.00	6,619.81	6,384.00	6,359.51	37.19	28.64	28.34	-1,811.35	-6,771.90	7,975.18	7,912.33	62.85	126.889		
6,900.00	6,666.23	6,384.00	6,359.51	37.32	28.64	22.42	-1,811.35	-6,771.90	7,959.82	7,896.92	62.90	126.547		
6,950.00	6,711.25	6,415.00	6,390.40	37.46	28.75	18.18	-1,813.65	-6,772.92	7,940.98	7,877.90	63.08	125.887		
7,000.00	6,754.60	6,415.00	6,390.40	37.61	28.75	14.96	-1,813.65	-6,772.92	7,918.74	7,855.65	63.09	125.508		
7,050.00	6,796.01	6,415.00	6,390.40	37.77	28.75	12.42	-1,813.65	-6,772.92	7,893.32	7,830.23	63.09	125.107		
7,100.00	6,835.22	6,699.85	6,667.49	37.94	29.66	10.06	-1,875.73	-6,777.14	7,863.64	7,799.26	64.38	122.143		
7,150.00	6,871.99	6,730.18	6,695.69	38.12	29.74	8.13	-1,886.89	-6,776.77	7,830.79	7,766.29	64.50	121.411		
7,200.00	6,906.10	6,749.72	6,713.54	38.34	29.79	6.35	-1,894.84	-6,776.48	7,795.16	7,730.60	64.56	120.740		
7,250.00	6,937.34	6,764.00	6,726.41	38.57	29.83	4.63	-1,901.02	-6,776.25	7,756.99	7,692.39	64.60	120.081		
7,300.00	6,965.51	6,775.58	6,736.73	38.84	29.86	2.84	-1,906.26	-6,776.07	7,716.50	7,651.88	64.62	119.414		
7,350.00	6,990.44	6,784.14	6,744.30	39.14	29.88	0.86	-1,910.26	-6,775.95	7,673.93	7,609.31	64.63	118.741		
7,400.00	7,011.97	6,796.00	6,754.70	39.47	29.91	-1.57	-1,915.96	-6,775.78	7,629.53	7,564.88	64.65	118.011		
7,450.00	7,029.98	6,796.00	6,754.70	39.85	29.91	-4.62	-1,915.96	-6,775.78	7,583.55	7,518.92	64.63	117.346		
7,500.00	7,044.34	6,796.00	6,754.70	40.26	29.91	-8.99	-1,915.96	-6,775.78	7,536.25	7,471.65	64.60	116.651		
7,550.00	7,054.99	6,796.00	6,754.70	40.72	29.91	-16.02	-1,915.96	-6,775.78	7,487.92	7,423.33	64.59	115.929		
7,600.00	7,061.83	6,796.00	6,754.70	41.21	29.91	-29.03	-1,915.96	-6,775.78	7,438.83	7,374.24	64.58	115.181		
7,650.00	7,064.85	6,796.00	6,754.70	41.73	29.91	-55.92	-1,915.96	-6,775.78	7,389.27	7,324.68	64.59	114.408		
7,661.89	7,065.00	6,796.00	6,754.70	41.86	29.91	-65.25	-1,915.96	-6,775.78	7,377.45	7,312.86	64.59	114.220		
7,700.00	7,065.13	6,796.00	6,754.70	42.28	29.91	-65.25	-1,915.96	-6,775.78	7,339.55	7,274.96	64.60	113.618		
7,800.00	7,065.47	6,796.00	6,754.70	43.53	29.91	-65.25	-1,915.96	-6,775.78	7,240.12	7,175.50	64.62	112.036		
7,900.00	7,065.82	6,796.00	6,754.70	44.94	29.91	-65.25	-1,915.96	-6,775.78	7,140.71	7,076.06	64.65	110.448		
8,000.00	7,066.16	6,796.00	6,754.70	46.50	29.91	-65.25	-1,915.96	-6,775.78	7,041.31	6,976.63	64.69	108.853		
8,100.00	7,066.50	6,796.00	6,754.70	48.19	29.91	-65.25	-1,915.96	-6,775.78	6,941.93	6,877.21	64.73	107.252		
8,200.00	7,066.85	6,796.00	6,754.70	50.00	29.91	-65.25	-1,915.96	-6,775.78	6,842.57	6,777.80	64.77	105.644		
8,300.00	7,067.19	6,796.00	6,754.70	51.91	29.91	-65.25	-1,915.96	-6,775.78	6,743.23	6,678.41	64.82	104.030		
8,400.00	7,067.54	6,796.00	6,754.70	53.92	29.91	-65.25	-1,915.96	-6,775.78	6,643.91	6,579.03	64.88	102.409		
8,500.00	7,067.88	6,796.00	6,754.70	56.01	29.91	-65.25	-1,915.96	-6,775.78	6,544.61	6,479.67	64.94	100.782		
8,600.00	7,068.22	6,796.00	6,754.70	58.16	29.91	-65.25	-1,915.96	-6,775.78	6,445.33	6,380.32	65.01	99.147		
8,700.00	7,068.57	6,796.00	6,754.70	60.38	29.91	-65.25	-1,915.96	-6,775.78	6,346.07	6,280.98	65.08	97.506		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	6,796.00	6,754.70	62.65	29.91	-65.25	-1,915.96	-6,775.78	6,246.83	6,181.66	65.17	95.857		
8,900.00	7,069.25	6,796.00	6,754.70	64.97	29.91	-65.25	-1,915.96	-6,775.78	6,147.62	6,082.36	65.26	94.202		
9,000.00	7,069.60	6,796.00	6,754.70	67.34	29.91	-65.25	-1,915.96	-6,775.78	6,048.44	5,983.08	65.36	92.539		
9,100.00	7,069.94	6,796.00	6,754.70	69.74	29.91	-65.25	-1,915.96	-6,775.78	5,949.28	5,883.81	65.47	90.869		
9,200.00	7,070.28	6,796.00	6,754.70	72.18	29.91	-65.25	-1,915.96	-6,775.78	5,850.16	5,784.57	65.59	89.192		
9,300.00	7,070.63	6,796.00	6,754.70	74.65	29.91	-65.25	-1,915.96	-6,775.78	5,751.06	5,685.34	65.72	87.507		
9,400.00	7,070.97	6,796.00	6,754.70	77.15	29.91	-65.25	-1,915.96	-6,775.78	5,651.99	5,586.13	65.86	85.814		
9,500.00	7,071.32	6,796.00	6,754.70	79.67	29.91	-65.25	-1,915.96	-6,775.78	5,552.96	5,486.94	66.02	84.114		
9,600.00	7,071.66	6,796.00	6,754.70	82.22	29.91	-65.25	-1,915.96	-6,775.78	5,453.96	5,387.78	66.18	82.406		
9,700.00	7,072.00	6,796.00	6,754.70	84.78	29.91	-65.25	-1,915.96	-6,775.78	5,355.01	5,288.64	66.37	80.690		
9,800.00	7,072.35	6,796.00	6,754.70	87.37	29.91	-65.25	-1,915.96	-6,775.78	5,256.09	5,189.52	66.56	78.966		
9,900.00	7,072.69	6,796.00	6,754.70	89.97	29.91	-65.25	-1,915.96	-6,775.78	5,157.21	5,090.43	66.77	77.235		
10,000.00	7,073.03	6,796.00	6,754.70	92.59	29.91	-65.25	-1,915.96	-6,775.78	5,058.37	4,991.37	67.00	75.495		
10,100.00	7,073.38	6,796.00	6,754.70	95.22	29.91	-65.25	-1,915.96	-6,775.78	4,959.59	4,892.34	67.25	73.748		
10,200.00	7,073.72	6,796.00	6,754.70	97.86	29.91	-65.25	-1,915.96	-6,775.78	4,860.85	4,793.33	67.52	71.993		
10,300.00	7,074.07	6,796.00	6,754.70	100.52	29.91	-65.25	-1,915.96	-6,775.78	4,762.16	4,694.35	67.81	70.230		
10,400.00	7,074.41	6,796.00	6,754.70	103.19	29.91	-65.25	-1,915.96	-6,775.78	4,663.53	4,595.41	68.12	68.459		
10,500.00	7,074.75	6,796.00	6,754.70	105.87	29.91	-65.25	-1,915.96	-6,775.78	4,564.96	4,496.50	68.46	66.681		
10,600.00	7,075.10	6,796.00	6,754.70	108.55	29.91	-65.25	-1,915.96	-6,775.78	4,466.46	4,397.63	68.83	64.895		
10,700.00	7,075.44	6,796.00	6,754.70	111.25	29.91	-65.25	-1,915.96	-6,775.78	4,368.02	4,298.80	69.22	63.103		
10,800.00	7,075.78	6,796.00	6,754.70	113.96	29.91	-65.25	-1,915.96	-6,775.78	4,269.65	4,200.01	69.65	61.303		
10,900.00	7,076.13	6,796.00	6,754.70	116.67	29.91	-65.25	-1,915.96	-6,775.78	4,171.37	4,101.26	70.11	59.497		
11,000.00	7,076.47	6,796.00	6,754.70	119.39	29.91	-65.25	-1,915.96	-6,775.78	4,073.16	4,002.55	70.61	57.686		
11,100.00	7,076.81	6,796.00	6,754.70	122.11	29.91	-65.25	-1,915.96	-6,775.78	3,975.05	3,903.90	71.15	55.868		
11,200.00	7,077.16	6,796.00	6,754.70	124.85	29.91	-65.25	-1,915.96	-6,775.78	3,877.03	3,805.29	71.74	54.046		
11,300.00	7,077.50	6,796.00	6,754.70	127.58	29.91	-65.25	-1,915.96	-6,775.78	3,779.11	3,706.75	72.37	52.220		
11,400.00	7,077.85	6,796.00	6,754.70	130.33	29.91	-65.25	-1,915.96	-6,775.78	3,681.31	3,608.26	73.05	50.391		
11,500.00	7,078.19	6,796.00	6,754.70	133.08	29.91	-65.25	-1,915.96	-6,775.78	3,583.63	3,509.83	73.80	48.560		
11,600.00	7,078.53	6,796.00	6,754.70	135.83	29.91	-65.25	-1,915.96	-6,775.78	3,486.08	3,411.48	74.61	46.727		
11,700.00	7,078.88	6,796.00	6,754.70	138.59	29.91	-65.25	-1,915.96	-6,775.78	3,388.67	3,313.19	75.48	44.895		
11,800.00	7,079.22	6,796.00	6,754.70	141.35	29.91	-65.25	-1,915.96	-6,775.78	3,291.42	3,214.99	76.43	43.064		
11,900.00	7,079.56	6,787.46	6,747.22	144.11	29.89	-64.63	-1,911.83	-6,775.90	3,194.31	3,117.03	77.29	41.331		
12,000.00	7,079.91	6,786.90	6,746.73	146.88	29.89	-64.58	-1,911.56	-6,775.91	3,097.41	3,019.02	78.39	39.514		
12,100.00	7,080.25	6,786.33	6,746.24	149.66	29.89	-64.54	-1,911.30	-6,775.91	3,000.72	2,921.13	79.59	37.704		
12,200.00	7,080.60	6,785.77	6,745.74	152.43	29.89	-64.50	-1,911.03	-6,775.92	2,904.24	2,823.35	80.89	35.903		
12,300.00	7,080.94	6,785.20	6,745.24	155.21	29.88	-64.46	-1,910.76	-6,775.93	2,808.01	2,725.70	82.32	34.112		
12,400.00	7,081.28	6,784.62	6,744.73	157.99	29.88	-64.42	-1,910.48	-6,775.94	2,712.06	2,628.19	83.87	32.336		
12,500.00	7,081.63	6,784.05	6,744.22	160.78	29.88	-64.37	-1,910.21	-6,775.95	2,616.41	2,530.84	85.57	30.576		
12,600.00	7,081.97	6,783.47	6,743.71	163.57	29.88	-64.33	-1,909.94	-6,775.96	2,521.09	2,433.66	87.43	28.836		
12,700.00	7,082.31	6,782.88	6,743.19	166.36	29.88	-64.29	-1,909.66	-6,775.96	2,426.15	2,336.69	89.47	27.118		
12,800.00	7,082.66	6,782.29	6,742.68	169.15	29.88	-64.25	-1,909.39	-6,775.97	2,331.64	2,239.94	91.70	25.427		
12,900.00	7,083.00	6,781.70	6,742.15	171.94	29.88	-64.20	-1,909.11	-6,775.98	2,237.60	2,143.44	94.16	23.765		
13,000.00	7,083.35	6,781.11	6,741.63	174.74	29.87	-64.16	-1,908.83	-6,775.99	2,144.10	2,047.24	96.86	22.137		
13,100.00	7,083.69	6,780.51	6,741.10	177.54	29.87	-64.11	-1,908.55	-6,776.00	2,051.21	1,951.38	99.83	20.546		
13,200.00	7,084.03	6,779.91	6,740.57	180.34	29.87	-64.07	-1,908.27	-6,776.01	1,959.02	1,855.90	103.12	18.997		
13,300.00	7,084.38	6,779.30	6,740.03	183.14	29.87	-64.02	-1,907.98	-6,776.02	1,867.64	1,760.89	106.75	17.495		
13,400.00	7,084.72	6,778.69	6,739.49	185.95	29.87	-63.98	-1,907.70	-6,776.03	1,777.19	1,666.41	110.78	16.043		
13,500.00	7,085.06	6,778.08	6,738.95	188.76	29.87	-63.93	-1,907.42	-6,776.04	1,687.81	1,572.57	115.24	14.646		
13,600.00	7,085.41	6,777.46	6,738.40	191.56	29.86	-63.89	-1,907.13	-6,776.04	1,599.68	1,479.49	120.20	13.309		
13,700.00	7,085.75	6,776.84	6,737.85	194.37	29.86	-63.84	-1,906.84	-6,776.05	1,513.04	1,387.34	125.70	12.037		
13,800.00	7,086.09	6,776.21	6,737.30	197.18	29.86	-63.80	-1,906.55	-6,776.06	1,428.14	1,296.32	131.83	10.834		
13,900.00	7,086.44	6,775.58	6,736.74	200.00	29.86	-63.75	-1,906.26	-6,776.07	1,345.32	1,206.69	138.63	9.705		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	6,774.95	6,736.18	202.81	29.86	-63.70	-1,905.97	-6,776.08	1,264.98	1,118.81	146.17	8.654		
14,100.00	7,087.13	6,774.31	6,735.61	205.63	29.86	-63.66	-1,905.68	-6,776.09	1,187.63	1,033.12	154.51	7.686		
14,200.00	7,087.47	6,773.67	6,735.04	208.44	29.86	-63.61	-1,905.38	-6,776.10	1,113.89	950.23	163.66	6.806		
14,300.00	7,087.81	6,773.03	6,734.47	211.26	29.85	-63.56	-1,905.09	-6,776.11	1,044.53	870.93	173.60	6.017		
14,400.00	7,088.16	6,772.38	6,733.89	214.08	29.85	-63.51	-1,904.79	-6,776.12	980.48	796.26	184.22	5.322		
14,500.00	7,088.50	6,771.73	6,733.31	216.90	29.85	-63.47	-1,904.49	-6,776.13	922.83	727.55	195.28	4.726		
14,600.00	7,088.84	6,764.00	6,726.41	219.72	29.83	-62.90	-1,901.02	-6,776.25	872.94	667.39	205.55	4.247		
14,700.00	7,089.19	6,764.00	6,726.41	222.54	29.83	-62.90	-1,901.02	-6,776.25	832.03	615.94	216.09	3.850		
14,800.00	7,089.53	6,764.00	6,726.41	225.37	29.83	-62.90	-1,901.02	-6,776.25	801.58	576.27	225.31	3.558		
14,900.00	7,089.88	6,764.00	6,726.41	228.19	29.83	-62.90	-1,901.02	-6,776.25	782.81	550.46	232.36	3.369		
14,998.70	7,090.21	6,764.00	6,726.41	230.98	29.83	-62.90	-1,901.02	-6,776.25	776.57	540.06	236.50	3.284 CC		
15,000.00	7,090.22	6,764.00	6,726.41	231.02	29.83	-62.90	-1,901.02	-6,776.25	776.57	540.03	236.54	3.283 ES, SF		
15,100.00	7,090.56	6,764.00	6,726.41	233.84	29.83	-62.90	-1,901.02	-6,776.25	783.15	545.66	237.49	3.298		
15,200.00	7,090.91	6,764.00	6,726.41	236.67	29.83	-62.90	-1,901.02	-6,776.25	802.23	566.92	235.31	3.409		
15,227.29	7,091.00	6,764.00	6,726.41	237.44	29.83	-62.90	-1,901.02	-6,776.25	809.51	575.28	234.23	3.456		
15,300.00	7,091.25	6,764.00	6,726.41	239.49	29.83	-63.11	-1,901.02	-6,776.25	832.20	601.77	230.44	3.611		
15,326.57	7,091.35	6,764.00	6,726.41	240.24	29.83	-63.20	-1,901.02	-6,776.25	841.53	612.79	228.74	3.679		
15,400.00	7,091.60	6,764.00	6,726.41	242.30	29.83	-63.20	-1,901.02	-6,776.25	870.73	647.31	223.42	3.897		
15,500.00	7,091.96	6,764.00	6,726.41	245.12	29.83	-63.20	-1,901.02	-6,776.25	918.49	703.32	215.17	4.269		
15,600.00	7,092.31	6,764.00	6,726.41	247.93	29.83	-63.20	-1,901.02	-6,776.25	974.20	767.85	206.35	4.721		
15,700.00	7,092.66	6,764.00	6,726.41	250.75	29.83	-63.20	-1,901.02	-6,776.25	1,036.59	839.12	197.46	5.250		
15,800.00	7,093.01	6,764.00	6,726.41	253.56	29.83	-63.20	-1,901.02	-6,776.25	1,104.52	915.68	188.83	5.849		
15,900.00	7,093.36	6,764.00	6,726.41	256.38	29.83	-63.20	-1,901.02	-6,776.25	1,177.03	996.36	180.67	6.515		
16,000.00	7,093.71	6,764.00	6,726.41	259.20	29.83	-63.20	-1,901.02	-6,776.25	1,253.33	1,080.27	173.06	7.242		
16,100.00	7,094.07	6,764.00	6,726.41	262.02	29.83	-63.20	-1,901.02	-6,776.25	1,332.77	1,166.72	166.05	8.026		
16,200.00	7,094.42	6,764.00	6,726.41	264.84	29.83	-63.20	-1,901.02	-6,776.25	1,414.83	1,255.19	159.64	8.863		
16,300.00	7,094.77	6,764.00	6,726.41	267.65	29.83	-63.20	-1,901.02	-6,776.25	1,499.06	1,345.27	153.79	9.748		
16,400.00	7,095.12	6,764.00	6,726.41	270.47	29.83	-63.20	-1,901.02	-6,776.25	1,585.12	1,436.67	148.46	10.677		
16,500.00	7,095.47	6,764.00	6,726.41	273.30	29.83	-63.20	-1,901.02	-6,776.25	1,672.74	1,529.13	143.61	11.648		
16,600.00	7,095.82	6,764.00	6,726.41	276.12	29.83	-63.20	-1,901.02	-6,776.25	1,761.68	1,622.48	139.20	12.656		
16,700.00	7,096.18	6,764.00	6,726.41	278.94	29.83	-63.20	-1,901.02	-6,776.25	1,851.74	1,716.56	135.18	13.698		
16,800.00	7,096.53	6,764.00	6,726.41	281.76	29.83	-63.20	-1,901.02	-6,776.25	1,942.78	1,811.26	131.52	14.772		
16,900.00	7,096.88	6,764.00	6,726.41	284.58	29.83	-63.20	-1,901.02	-6,776.25	2,034.66	1,906.49	128.17	15.874		
17,000.00	7,097.23	6,764.00	6,726.41	287.41	29.83	-63.20	-1,901.02	-6,776.25	2,127.27	2,002.16	125.11	17.003		
17,100.00	7,097.58	6,764.00	6,726.41	290.23	29.83	-63.20	-1,901.02	-6,776.25	2,220.53	2,098.22	122.31	18.156		
17,200.00	7,097.93	6,764.00	6,726.41	293.06	29.83	-63.20	-1,901.02	-6,776.25	2,314.34	2,194.61	119.73	19.330		
17,300.00	7,098.29	6,764.00	6,726.41	295.88	29.83	-63.20	-1,901.02	-6,776.25	2,408.66	2,291.30	117.36	20.524		
17,400.00	7,098.64	6,764.00	6,726.41	298.71	29.83	-63.20	-1,901.02	-6,776.25	2,503.41	2,388.24	115.17	21.736		
17,500.00	7,098.99	6,764.00	6,726.41	301.53	29.83	-63.20	-1,901.02	-6,776.25	2,598.56	2,485.40	113.16	22.964		
17,600.00	7,099.34	6,764.00	6,726.41	304.36	29.83	-63.20	-1,901.02	-6,776.25	2,694.06	2,582.76	111.30	24.206		
17,700.00	7,099.69	6,764.00	6,726.41	307.19	29.83	-63.20	-1,901.02	-6,776.25	2,789.87	2,680.30	109.57	25.462		
17,800.00	7,100.04	6,764.00	6,726.41	310.01	29.83	-63.20	-1,901.02	-6,776.25	2,885.97	2,778.00	107.97	26.729		
17,900.00	7,100.40	6,764.00	6,726.41	312.84	29.83	-63.20	-1,901.02	-6,776.25	2,982.33	2,875.84	106.49	28.006		
18,000.00	7,100.75	6,764.00	6,726.41	315.67	29.83	-63.20	-1,901.02	-6,776.25	3,078.92	2,973.81	105.11	29.293		
18,100.00	7,101.10	6,764.00	6,726.41	318.50	29.83	-63.20	-1,901.02	-6,776.25	3,175.72	3,071.90	103.82	30.589		
18,200.00	7,101.45	6,764.00	6,726.41	321.33	29.83	-63.20	-1,901.02	-6,776.25	3,272.71	3,170.09	102.62	31.891		
18,300.00	7,101.80	6,764.00	6,726.41	324.16	29.83	-63.20	-1,901.02	-6,776.25	3,369.88	3,268.37	101.50	33.200		
18,400.00	7,102.16	6,764.00	6,726.41	326.99	29.83	-63.20	-1,901.02	-6,776.25	3,467.20	3,366.75	100.46	34.514		
18,500.00	7,102.51	6,764.00	6,726.41	329.82	29.83	-63.20	-1,901.02	-6,776.25	3,564.68	3,465.20	99.48	35.833		
18,600.00	7,102.86	6,764.00	6,726.41	332.65	29.83	-63.20	-1,901.02	-6,776.25	3,662.29	3,563.73	98.57	37.156		
18,700.00	7,103.21	6,764.00	6,726.41	335.48	29.83	-63.20	-1,901.02	-6,776.25	3,760.03	3,662.32	97.71	38.482		
18,800.00	7,103.56	6,764.00	6,726.41	338.31	29.83	-63.20	-1,901.02	-6,776.25	3,857.89	3,760.98	96.90	39.811		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,900.00	7,103.91	6,764.00	6,726.41	341.14	29.83	-63.20	-1,901.02	-6,776.25	3,955.85	3,859.70	96.15	41.142	
18,924.52	7,104.00	6,764.00	6,726.41	341.83	29.83	-63.20	-1,901.02	-6,776.25	3,979.88	3,883.91	95.97	41.469	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-110.28	-2,093.02	-5,662.84	6,037.26					
100.00	100.00	85.00	85.00	3.28	3.29	-110.28	-2,093.02	-5,662.84	6,037.26	6,030.69	6.57	918.913		
200.00	200.00	185.00	185.00	3.34	3.31	-110.28	-2,093.02	-5,662.84	6,037.26	6,030.62	6.64	908.943		
300.00	299.98	284.98	284.98	3.44	3.34	116.72	-2,093.02	-5,662.84	6,038.04	6,031.26	6.78	890.629		
400.00	399.84	384.84	384.84	3.59	3.39	116.72	-2,093.02	-5,662.84	6,040.40	6,033.42	6.98	865.506		
500.00	499.45	484.45	484.45	3.80	3.45	116.72	-2,093.02	-5,662.84	6,044.33	6,037.09	7.24	834.813		
600.00	598.70	583.70	583.70	4.04	3.52	116.73	-2,093.02	-5,662.84	6,049.84	6,042.28	7.56	800.406		
700.00	697.47	682.47	682.47	4.32	3.61	116.73	-2,093.02	-5,662.84	6,056.95	6,049.02	7.93	763.907		
800.00	795.62	780.62	780.62	4.65	3.70	116.73	-2,093.02	-5,662.84	6,065.66	6,057.31	8.35	726.598		
900.00	893.06	878.06	878.06	5.02	3.80	116.73	-2,093.02	-5,662.84	6,075.99	6,067.18	8.81	689.425		
993.00	982.91	967.91	967.91	5.39	3.91	116.73	-2,093.02	-5,662.84	6,087.06	6,077.78	9.29	655.556		
1,000.00	989.65	974.65	974.65	5.42	3.92	116.74	-2,093.02	-5,662.84	6,087.95	6,078.63	9.32	652.979		
1,100.00	1,085.84	1,070.84	1,070.84	5.86	4.03	116.97	-2,093.02	-5,662.84	6,100.68	6,090.81	9.87	618.302		
1,200.00	1,182.03	1,167.03	1,167.03	6.32	4.16	117.19	-2,093.02	-5,662.84	6,113.51	6,103.07	10.44	585.680		
1,300.00	1,278.22	1,263.22	1,263.22	6.79	4.29	117.41	-2,093.02	-5,662.84	6,126.43	6,115.39	11.03	555.288		
1,400.00	1,374.42	1,268.01	1,268.00	7.28	4.40	117.43	-2,092.58	-5,663.52	6,140.63	6,129.02	11.60	529.163		
1,500.00	1,470.61	1,300.00	1,299.98	7.79	4.49	117.51	-2,092.07	-5,664.31	6,155.62	6,143.44	12.18	505.519		
1,600.00	1,566.80	1,348.78	1,348.71	8.30	4.64	117.63	-2,090.93	-5,666.09	6,171.54	6,158.73	12.81	481.770		
1,700.00	1,663.00	1,400.00	1,399.84	8.82	4.80	117.77	-2,089.24	-5,668.71	6,188.47	6,175.01	13.46	459.730		
1,800.00	1,759.19	1,428.05	1,427.81	9.34	4.89	117.85	-2,088.11	-5,670.47	6,206.31	6,192.26	14.04	441.915		
1,900.00	1,855.38	1,467.09	1,466.71	9.87	5.02	117.96	-2,086.29	-5,673.31	6,225.13	6,210.47	14.67	424.405		
2,000.00	1,951.58	1,500.00	1,499.45	10.41	5.13	118.06	-2,084.53	-5,676.04	6,244.93	6,229.66	15.27	408.869		
2,100.00	2,047.77	1,543.96	1,543.14	10.95	5.29	118.19	-2,081.87	-5,680.19	6,265.68	6,249.76	15.92	393.483		
2,200.00	2,143.96	1,589.82	1,588.62	11.49	5.45	118.33	-2,078.72	-5,685.09	6,287.39	6,270.81	16.58	379.123		
2,300.00	2,240.16	1,681.66	1,679.67	12.04	5.80	118.62	-2,072.22	-5,695.21	6,309.56	6,292.13	17.43	361.931		
2,400.00	2,336.35	1,773.51	1,770.73	12.58	6.17	118.91	-2,065.72	-5,705.33	6,331.90	6,313.61	18.30	346.076		
2,500.00	2,432.54	1,865.35	1,861.78	13.13	6.55	119.19	-2,059.22	-5,715.45	6,354.41	6,335.24	19.17	331.422		
2,600.00	2,528.74	1,957.19	1,952.83	13.69	6.94	119.47	-2,052.71	-5,725.56	6,377.09	6,357.02	20.06	317.894		
2,700.00	2,624.93	2,049.04	2,043.89	14.24	7.34	119.76	-2,046.21	-5,735.68	6,399.92	6,378.97	20.96	305.392		
2,800.00	2,721.12	2,140.88	2,134.94	14.80	7.75	120.03	-2,039.71	-5,745.80	6,422.92	6,401.06	21.86	293.826		
2,900.00	2,817.32	2,232.73	2,225.99	15.35	8.17	120.31	-2,033.21	-5,755.92	6,446.08	6,423.31	22.77	283.108		
3,000.00	2,913.51	2,324.57	2,317.05	15.91	8.59	120.59	-2,026.71	-5,766.03	6,469.40	6,445.72	23.68	273.162		
3,100.00	3,009.70	2,416.41	2,408.10	16.47	9.01	120.86	-2,020.21	-5,776.15	6,492.88	6,468.28	24.60	263.917		
3,200.00	3,105.90	2,508.26	2,499.15	17.03	9.44	121.13	-2,013.71	-5,786.27	6,516.51	6,490.99	25.52	255.307		
3,300.00	3,202.09	2,600.10	2,590.21	17.59	9.88	121.40	-2,007.21	-5,796.39	6,540.30	6,513.85	26.45	247.277		
3,400.00	3,298.28	2,708.05	2,681.26	18.15	10.39	121.67	-2,000.71	-5,806.50	6,564.24	6,536.79	27.45	239.141		
3,500.00	3,394.48	2,783.79	2,772.31	18.72	10.76	121.94	-1,994.21	-5,816.62	6,588.33	6,560.02	28.31	232.749		
3,600.00	3,490.67	2,875.63	2,863.37	19.28	11.20	122.20	-1,987.71	-5,826.74	6,612.56	6,583.33	29.24	226.165		
3,700.00	3,586.86	2,967.48	2,954.42	19.84	11.65	122.46	-1,981.20	-5,836.86	6,636.95	6,606.78	30.17	219.982		
3,800.00	3,683.06	3,059.32	3,045.47	20.41	12.10	122.73	-1,974.70	-5,846.97	6,661.48	6,630.37	31.10	214.168		
3,900.00	3,779.25	3,151.17	3,136.53	20.97	12.55	122.99	-1,968.20	-5,857.09	6,686.15	6,654.11	32.04	208.691		
4,000.00	3,875.44	3,243.01	3,227.58	21.54	13.00	123.24	-1,961.70	-5,867.21	6,710.97	6,678.00	32.97	203.525		
4,100.00	3,971.64	3,334.85	3,318.63	22.11	13.45	123.50	-1,955.20	-5,877.33	6,735.93	6,702.02	33.91	198.645		
4,200.00	4,067.83	3,426.70	3,409.69	22.67	13.90	123.75	-1,948.70	-5,887.45	6,761.03	6,726.18	34.85	194.029		
4,300.00	4,164.02	3,518.54	3,500.74	23.24	14.36	124.01	-1,942.20	-5,897.56	6,786.26	6,750.48	35.78	189.658		
4,400.00	4,260.22	3,610.39	3,591.79	23.81	14.81	124.26	-1,935.70	-5,907.68	6,811.63	6,774.91	36.72	185.513		
4,500.00	4,356.41	3,702.23	3,682.85	24.37	15.27	124.51	-1,929.20	-5,917.80	6,837.14	6,799.48	37.65	181.578		
4,600.00	4,452.60	3,805.93	3,773.90	24.94	15.79	124.75	-1,922.70	-5,927.92	6,862.78	6,824.13	38.65	177.584		
4,700.00	4,548.79	3,885.92	3,864.95	25.51	16.19	125.00	-1,916.20	-5,938.03	6,888.55	6,849.02	39.53	174.278		
4,800.00	4,644.99	3,977.76	3,956.00	26.08	16.65	125.24	-1,909.69	-5,948.15	6,914.45	6,873.99	40.46	170.888		
4,900.00	4,741.18	4,069.61	4,047.06	26.65	17.11	125.49	-1,903.19	-5,958.27	6,940.48	6,899.08	41.40	167.656		
5,000.00	4,837.37	4,161.45	4,138.11	27.21	17.57	125.73	-1,896.69	-5,968.39	6,966.64	6,924.30	42.33	164.571		

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 (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,253.29	4,229.16	27.78	18.03	125.97	-1,890.19	-5,978.50	6,992.92	6,949.65	43.27	161.623		
5,200.00	5,029.76	4,345.14	4,320.22	28.35	18.49	126.21	-1,883.69	-5,988.62	7,019.33	6,975.13	44.20	158.805		
5,300.00	5,125.95	4,436.98	4,411.27	28.92	18.96	126.44	-1,877.19	-5,998.74	7,045.86	7,000.72	45.13	156.107		
5,400.00	5,222.15	4,528.83	4,502.32	29.49	19.42	126.68	-1,870.69	-6,008.86	7,072.51	7,026.44	46.07	153.524		
5,500.00	5,318.34	4,620.67	4,593.38	30.06	19.88	126.91	-1,864.19	-6,018.97	7,099.28	7,052.28	47.00	151.047		
5,600.00	5,414.53	4,712.51	4,684.43	30.63	20.35	127.14	-1,857.69	-6,029.09	7,126.17	7,078.24	47.93	148.671		
5,700.00	5,510.73	4,804.36	4,775.48	31.20	20.81	127.37	-1,851.19	-6,039.21	7,153.18	7,104.32	48.86	146.390		
5,800.00	5,606.92	4,896.20	4,866.54	31.77	21.28	127.60	-1,844.68	-6,049.33	7,180.31	7,130.51	49.79	144.198		
5,900.00	5,703.11	4,988.05	4,957.59	32.34	21.74	127.83	-1,838.18	-6,059.45	7,207.55	7,156.82	50.73	142.090		
6,000.00	5,799.31	5,079.91	5,048.31	32.91	22.20	128.06	-1,831.68	-6,069.57	7,234.77	7,183.00	51.66	139.982		
6,100.00	5,895.50	5,171.74	5,140.14	33.48	22.66	128.29	-1,825.18	-6,079.69	7,261.99	7,209.18	52.59	137.874		
6,200.00	5,991.69	5,263.57	5,231.57	34.05	23.12	128.52	-1,818.68	-6,089.81	7,289.21	7,236.40	53.52	135.766		
6,300.00	6,087.89	5,355.40	5,323.40	34.62	23.58	128.75	-1,812.18	-6,099.93	7,316.43	7,263.62	54.45	133.658		
6,400.00	6,184.08	5,447.23	5,415.23	35.19	24.04	128.98	-1,805.68	-6,110.05	7,343.65	7,290.84	55.38	131.550		
6,500.00	6,280.27	5,539.06	5,507.06	35.76	24.50	129.21	-1,799.18	-6,120.17	7,370.87	7,318.06	56.31	129.442		
6,535.30	6,314.23	5,573.02	5,541.02	35.97	24.70	130.37	-1,812.91	-6,098.79	7,320.36	7,260.16	60.20	121.600		
6,550.00	6,328.40	5,587.89	5,555.89	36.05	27.45	126.99	-1,812.91	-6,098.79	7,322.86	7,262.53	60.33	121.373		
6,600.00	6,377.01	5,636.50	5,604.50	36.31	27.64	111.89	-1,812.91	-6,098.79	7,328.85	7,268.07	60.78	120.585		
6,650.00	6,426.00	5,685.11	5,653.11	36.54	27.83	90.98	-1,812.91	-6,098.79	7,330.96	7,269.76	61.20	119.783		
6,700.00	6,475.08	5,733.72	5,701.72	36.73	28.03	68.16	-1,812.91	-6,098.79	7,329.18	7,267.58	61.60	118.980		
6,750.00	6,523.94	5,782.33	5,750.33	36.90	28.04	49.48	-1,814.48	-6,098.79	7,323.78	7,262.01	61.77	118.572		
6,800.00	6,572.28	5,830.94	5,798.94	37.05	28.13	36.62	-1,816.56	-6,098.79	7,314.61	7,252.63	61.98	118.012		
6,850.00	6,619.81	5,879.55	5,847.55	37.19	28.21	28.02	-1,819.53	-6,098.79	7,301.79	7,239.61	62.17	117.441		
6,900.00	6,666.23	5,928.16	5,896.16	37.32	28.29	22.09	-1,823.29	-6,098.78	7,285.37	7,223.03	62.34	116.856		
6,950.00	6,711.25	5,976.77	5,944.77	37.46	28.37	17.79	-1,827.40	-6,098.78	7,265.46	7,202.97	62.49	116.269		
7,000.00	6,754.60	6,025.38	5,993.38	37.61	28.44	14.53	-1,832.74	-6,098.78	7,242.16	7,179.54	62.62	115.661		
7,050.00	6,796.01	6,073.99	6,041.99	37.77	28.50	11.93	-1,838.19	-6,098.78	7,215.60	7,152.88	62.72	115.046		
7,100.00	6,835.22	6,122.60	6,090.60	37.94	28.56	9.75	-1,843.91	-6,098.78	7,185.92	7,123.12	62.81	114.412		
7,150.00	6,871.99	6,171.21	6,139.21	38.12	28.65	7.81	-1,853.14	-6,098.78	7,153.33	7,090.40	62.92	113.686		
7,200.00	6,906.10	6,219.82	6,187.82	38.34	28.65	6.09	-1,853.14	-6,098.78	7,117.95	7,055.03	62.91	113.139		
7,250.00	6,937.34	6,268.43	6,236.43	38.57	28.71	4.33	-1,861.25	-6,098.78	7,080.01	7,017.02	62.98	112.410		
7,300.00	6,965.51	6,317.04	6,285.04	38.84	28.74	2.52	-1,866.60	-6,098.78	7,039.74	6,976.72	63.02	111.708		
7,350.00	6,990.44	6,365.65	6,333.65	39.14	28.77	0.50	-1,871.52	-6,098.77	6,997.36	6,934.31	63.05	110.988		
7,400.00	7,011.97	6,414.26	6,382.26	39.47	28.80	-1.93	-1,875.91	-6,098.77	6,953.11	6,890.05	63.07	110.250		
7,450.00	7,029.98	6,462.87	6,430.87	39.85	28.82	-5.09	-1,879.66	-6,098.77	6,907.26	6,844.18	63.08	109.494		
7,500.00	7,044.34	6,511.48	6,479.48	40.26	28.84	-9.59	-1,882.71	-6,098.77	6,860.07	6,796.97	63.10	108.723		
7,550.00	7,054.99	6,560.09	6,528.09	40.72	28.89	-17.10	-1,891.26	-6,098.77	6,811.84	6,748.68	63.16	107.845		
7,600.00	7,061.83	6,608.70	6,576.70	41.21	28.89	-30.13	-1,891.26	-6,098.77	6,762.80	6,699.64	63.16	107.070		
7,650.00	7,064.85	6,657.31	6,625.31	41.73	28.89	-56.08	-1,891.26	-6,098.77	6,713.28	6,650.11	63.17	106.272		
7,661.89	7,065.00	6,660.00	6,628.00	41.86	28.89	-64.88	-1,891.26	-6,098.77	6,701.47	6,638.30	63.17	106.079		
7,700.00	7,065.13	6,708.61	6,676.61	42.28	28.89	-64.88	-1,891.26	-6,098.77	6,663.60	6,600.41	63.19	105.460		
7,800.00	7,065.47	6,757.22	6,725.22	43.53	28.89	-64.88	-1,891.26	-6,098.77	6,564.24	6,501.02	63.22	103.833		
7,900.00	7,065.82	6,805.83	6,773.83	44.94	28.89	-64.88	-1,891.26	-6,098.77	6,464.91	6,401.65	63.26	102.199		
8,000.00	7,066.16	6,854.44	6,822.44	46.50	28.89	-64.88	-1,891.26	-6,098.77	6,365.59	6,302.29	63.30	100.559		
8,100.00	7,066.50	6,903.05	6,871.05	48.19	28.89	-64.88	-1,891.26	-6,098.77	6,266.29	6,202.94	63.35	98.913		
8,200.00	7,066.85	6,951.66	6,919.66	50.00	28.89	-64.88	-1,891.26	-6,098.77	6,167.02	6,103.62	63.41	97.259		
8,300.00	7,067.19	7,000.27	6,968.27	51.91	28.89	-64.88	-1,891.26	-6,098.77	6,067.78	6,004.30	63.47	95.599		
8,400.00	7,067.54	7,048.88	7,016.88	53.92	28.89	-64.88	-1,891.26	-6,098.77	5,968.55	5,905.01	63.54	93.932		
8,500.00	7,067.88	7,097.49	7,065.49	56.01	28.89	-64.88	-1,891.26	-6,098.77	5,869.36	5,805.74	63.62	92.257		
8,600.00	7,068.22	7,146.10	7,114.10	58.16	28.89	-64.88	-1,891.26	-6,098.77	5,770.19	5,706.48	63.71	90.576		
8,700.00	7,068.57	7,194.71	7,162.71	60.38	28.89	-64.88	-1,891.26	-6,098.77	5,671.05	5,607.25	63.80	88.887		
8,800.00	7,068.91	7,243.32	7,211.32	62.65	28.89	-64.88	-1,891.26	-6,098.77	5,571.94	5,508.03	63.91	87.191		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	6,800.00	6,755.00	64.97	28.89	-64.88	-1,891.26	-6,098.77	5,472.86	5,408.84	64.02	85.487		
9,000.00	7,069.60	6,800.00	6,755.00	67.34	28.89	-64.88	-1,891.26	-6,098.77	5,373.82	5,309.67	64.15	83.775		
9,100.00	7,069.94	6,800.00	6,755.00	69.74	28.89	-64.88	-1,891.26	-6,098.77	5,274.81	5,210.53	64.28	82.056		
9,200.00	7,070.28	6,800.00	6,755.00	72.18	28.89	-64.88	-1,891.26	-6,098.77	5,175.85	5,111.41	64.43	80.329		
9,300.00	7,070.63	6,800.00	6,755.00	74.65	28.89	-64.88	-1,891.26	-6,098.77	5,076.92	5,012.32	64.60	78.594		
9,400.00	7,070.97	6,800.00	6,755.00	77.15	28.89	-64.88	-1,891.26	-6,098.77	4,978.03	4,913.26	64.78	76.850		
9,500.00	7,071.32	6,800.00	6,755.00	79.67	28.89	-64.88	-1,891.26	-6,098.77	4,879.20	4,814.22	64.97	75.099		
9,600.00	7,071.66	6,800.00	6,755.00	82.22	28.89	-64.88	-1,891.26	-6,098.77	4,780.40	4,715.22	65.18	73.339		
9,700.00	7,072.00	6,800.00	6,755.00	84.78	28.89	-64.88	-1,891.26	-6,098.77	4,681.67	4,616.25	65.41	71.571		
9,800.00	7,072.35	6,800.00	6,755.00	87.37	28.89	-64.88	-1,891.26	-6,098.77	4,582.98	4,517.32	65.66	69.794		
9,900.00	7,072.69	6,800.00	6,755.00	89.97	28.89	-64.88	-1,891.26	-6,098.77	4,484.35	4,418.42	65.94	68.010		
10,000.00	7,073.03	6,800.00	6,755.00	92.59	28.89	-64.88	-1,891.26	-6,098.77	4,385.79	4,319.56	66.23	66.217		
10,100.00	7,073.38	6,800.00	6,755.00	95.22	28.89	-64.88	-1,891.26	-6,098.77	4,287.29	4,220.74	66.56	64.416		
10,200.00	7,073.72	6,800.00	6,755.00	97.86	28.89	-64.88	-1,891.26	-6,098.77	4,188.87	4,121.96	66.91	62.606		
10,300.00	7,074.07	6,800.00	6,755.00	100.52	28.89	-64.88	-1,891.26	-6,098.77	4,090.52	4,023.23	67.29	60.789		
10,400.00	7,074.41	6,800.00	6,755.00	103.19	28.89	-64.88	-1,891.26	-6,098.77	3,992.25	3,924.54	67.71	58.965		
10,500.00	7,074.75	6,800.00	6,755.00	105.87	28.89	-64.88	-1,891.26	-6,098.77	3,894.07	3,825.91	68.16	57.133		
10,600.00	7,075.10	6,800.00	6,755.00	108.55	28.89	-64.88	-1,891.26	-6,098.77	3,795.98	3,727.33	68.65	55.294		
10,700.00	7,075.44	6,800.00	6,755.00	111.25	28.89	-64.88	-1,891.26	-6,098.77	3,698.00	3,628.81	69.19	53.449		
10,800.00	7,075.78	6,800.00	6,755.00	113.96	28.89	-64.88	-1,891.26	-6,098.77	3,600.13	3,530.36	69.77	51.599		
10,900.00	7,076.13	6,800.00	6,755.00	116.67	28.89	-64.88	-1,891.26	-6,098.77	3,502.38	3,431.97	70.41	49.744		
11,000.00	7,076.47	6,800.00	6,755.00	119.39	28.89	-64.88	-1,891.26	-6,098.77	3,404.76	3,333.65	71.10	47.884		
11,100.00	7,076.81	6,800.00	6,755.00	122.11	28.89	-64.88	-1,891.26	-6,098.77	3,307.28	3,235.41	71.86	46.022		
11,200.00	7,077.16	6,800.00	6,755.00	124.85	28.89	-64.88	-1,891.26	-6,098.77	3,209.95	3,137.26	72.69	44.159		
11,300.00	7,077.50	6,800.00	6,755.00	127.58	28.89	-64.88	-1,891.26	-6,098.77	3,112.80	3,039.20	73.60	42.295		
11,400.00	7,077.85	6,800.00	6,755.00	130.33	28.89	-64.88	-1,891.26	-6,098.77	3,015.83	2,941.24	74.59	40.433		
11,500.00	7,078.19	6,800.00	6,755.00	133.08	28.89	-64.88	-1,891.26	-6,098.77	2,919.07	2,843.40	75.67	38.574		
11,600.00	7,078.53	6,800.00	6,755.00	135.83	28.89	-64.88	-1,891.26	-6,098.77	2,822.53	2,745.67	76.86	36.721		
11,700.00	7,078.88	6,800.00	6,755.00	138.59	28.89	-64.88	-1,891.26	-6,098.77	2,726.24	2,648.07	78.17	34.876		
11,800.00	7,079.22	6,800.00	6,755.00	141.35	28.89	-64.88	-1,891.26	-6,098.77	2,630.23	2,550.63	79.60	33.041		
11,900.00	7,079.56	6,800.00	6,755.00	144.11	28.89	-64.88	-1,891.26	-6,098.77	2,534.53	2,453.35	81.18	31.221		
12,000.00	7,079.91	6,800.00	6,755.00	146.88	28.89	-64.88	-1,891.26	-6,098.77	2,439.17	2,356.26	82.92	29.417		
12,100.00	7,080.25	6,800.00	6,755.00	149.66	28.89	-64.88	-1,891.26	-6,098.77	2,344.20	2,259.37	84.83	27.634		
12,200.00	7,080.60	6,800.00	6,755.00	152.43	28.89	-64.88	-1,891.26	-6,098.77	2,249.67	2,162.73	86.94	25.875		
12,300.00	7,080.94	6,800.00	6,755.00	155.21	28.89	-64.88	-1,891.26	-6,098.77	2,155.63	2,066.35	89.28	24.144		
12,400.00	7,081.28	6,800.00	6,755.00	157.99	28.89	-64.88	-1,891.26	-6,098.77	2,062.15	1,970.28	91.87	22.447		
12,500.00	7,081.63	6,800.00	6,755.00	160.78	28.89	-64.88	-1,891.26	-6,098.77	1,969.31	1,874.57	94.73	20.788		
12,600.00	7,081.97	6,800.00	6,755.00	163.57	28.89	-64.88	-1,891.26	-6,098.77	1,877.21	1,779.29	97.92	19.171		
12,700.00	7,082.31	6,800.00	6,755.00	166.36	28.89	-64.88	-1,891.26	-6,098.77	1,785.95	1,684.49	101.46	17.602		
12,800.00	7,082.66	6,800.00	6,755.00	169.15	28.89	-64.88	-1,891.26	-6,098.77	1,695.68	1,590.27	105.41	16.086		
12,900.00	7,083.00	6,800.00	6,755.00	171.94	28.89	-64.88	-1,891.26	-6,098.77	1,606.57	1,496.75	109.81	14.630		
13,000.00	7,083.35	6,800.00	6,755.00	174.74	28.89	-64.88	-1,891.26	-6,098.77	1,518.81	1,404.08	114.73	13.238		
13,100.00	7,083.69	6,800.00	6,755.00	177.54	28.89	-64.88	-1,891.26	-6,098.77	1,432.66	1,312.43	120.23	11.916		
13,200.00	7,084.03	6,800.00	6,755.00	180.34	28.89	-64.88	-1,891.26	-6,098.77	1,348.42	1,222.05	126.37	10.670		
13,300.00	7,084.38	6,800.00	6,755.00	183.14	28.89	-64.88	-1,891.26	-6,098.77	1,266.47	1,133.25	133.22	9.506		
13,400.00	7,084.72	6,800.00	6,755.00	185.95	28.89	-64.88	-1,891.26	-6,098.77	1,187.30	1,046.45	140.85	8.430		
13,500.00	7,085.06	6,800.00	6,755.00	188.76	28.89	-64.88	-1,891.26	-6,098.77	1,111.48	962.20	149.28	7.445		
13,600.00	7,085.41	6,800.00	6,755.00	191.56	28.89	-64.88	-1,891.26	-6,098.77	1,039.77	881.23	158.53	6.559		
13,700.00	7,085.75	6,800.00	6,755.00	194.37	28.89	-64.88	-1,891.26	-6,098.77	973.05	804.53	168.52	5.774		
13,800.00	7,086.09	6,800.00	6,755.00	197.18	28.89	-64.88	-1,891.26	-6,098.77	912.44	733.39	179.05	5.096		
13,900.00	7,086.44	6,800.00	6,755.00	200.00	28.89	-64.88	-1,891.26	-6,098.77	859.23	669.45	189.78	4.527		
14,000.00	7,086.78	6,800.00	6,755.00	202.81	28.89	-64.88	-1,891.26	-6,098.77	814.86	614.72	200.14	4.071		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1200-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	6,800.00	6,755.00	205.63	28.89	-64.88	-1,891.26	-6,098.77	780.84	571.48	209.36	3.730		
14,200.00	7,087.47	6,800.00	6,755.00	208.44	28.89	-64.88	-1,891.26	-6,098.77	758.58	542.00	216.58	3.503		
14,300.00	7,087.81	6,800.00	6,755.00	211.26	28.89	-64.88	-1,891.26	-6,098.77	749.11	528.09	221.02	3.389		
14,321.39	7,087.89	6,800.00	6,755.00	211.86	28.89	-64.88	-1,891.26	-6,098.77	748.80	527.25	221.55	3.380 CC, ES, SF		
14,400.00	7,088.16	6,800.00	6,755.00	214.08	28.89	-64.88	-1,891.26	-6,098.77	752.91	530.68	222.23	3.388		
14,500.00	7,088.50	6,800.00	6,755.00	216.90	28.89	-64.88	-1,891.26	-6,098.77	769.81	549.53	220.27	3.495		
14,600.00	7,088.84	6,800.00	6,755.00	219.72	28.89	-64.88	-1,891.26	-6,098.77	798.95	583.32	215.63	3.705		
14,700.00	7,089.19	6,800.00	6,755.00	222.54	28.89	-64.88	-1,891.26	-6,098.77	839.07	630.00	209.07	4.013		
14,800.00	7,089.53	6,800.00	6,755.00	225.37	28.89	-64.88	-1,891.26	-6,098.77	888.69	687.33	201.36	4.413		
14,900.00	7,089.88	6,800.00	6,755.00	228.19	28.89	-64.88	-1,891.26	-6,098.77	946.30	753.13	193.18	4.899		
15,000.00	7,090.22	6,800.00	6,755.00	231.02	28.89	-64.88	-1,891.26	-6,098.77	1,010.55	825.56	184.99	5.463		
15,100.00	7,090.56	6,800.00	6,755.00	233.84	28.89	-64.88	-1,891.26	-6,098.77	1,080.24	903.14	177.11	6.099		
15,200.00	7,090.91	6,800.00	6,755.00	236.67	28.89	-64.88	-1,891.26	-6,098.77	1,154.40	984.70	169.70	6.803		
15,227.29	7,091.00	6,800.00	6,755.00	237.44	28.89	-64.88	-1,891.26	-6,098.77	1,175.31	1,007.53	167.78	7.005		
15,300.00	7,091.25	6,800.00	6,755.00	239.49	28.89	-65.63	-1,891.26	-6,098.77	1,231.71	1,068.95	162.76	7.568		
15,326.57	7,091.35	6,800.00	6,755.00	240.24	28.89	-65.90	-1,891.26	-6,098.77	1,252.48	1,091.53	160.95	7.782		
15,400.00	7,091.60	6,800.00	6,755.00	242.30	28.89	-65.90	-1,891.26	-6,098.77	1,310.80	1,154.66	156.14	8.395		
15,500.00	7,091.96	6,800.00	6,755.00	245.12	28.89	-65.90	-1,891.26	-6,098.77	1,392.52	1,242.44	150.08	9.279		
15,600.00	7,092.31	6,800.00	6,755.00	247.93	28.89	-65.90	-1,891.26	-6,098.77	1,476.49	1,331.92	144.57	10.213		
15,700.00	7,092.66	6,800.00	6,755.00	250.75	28.89	-65.90	-1,891.26	-6,098.77	1,562.35	1,422.79	139.56	11.195		
15,800.00	7,093.01	6,800.00	6,755.00	253.56	28.89	-65.90	-1,891.26	-6,098.77	1,649.81	1,514.79	135.02	12.219		
15,900.00	7,093.36	6,800.00	6,755.00	256.38	28.89	-65.90	-1,891.26	-6,098.77	1,738.61	1,607.72	130.89	13.283		
16,000.00	7,093.71	6,800.00	6,755.00	259.20	28.89	-65.90	-1,891.26	-6,098.77	1,828.58	1,701.43	127.14	14.382		
16,100.00	7,094.07	6,800.00	6,755.00	262.02	28.89	-65.90	-1,891.26	-6,098.77	1,919.53	1,795.80	123.73	15.514		
16,200.00	7,094.42	6,800.00	6,755.00	264.84	28.89	-65.90	-1,891.26	-6,098.77	2,011.35	1,890.73	120.62	16.675		
16,300.00	7,094.77	6,800.00	6,755.00	267.65	28.89	-65.90	-1,891.26	-6,098.77	2,103.91	1,986.13	117.78	17.863		
16,400.00	7,095.12	6,800.00	6,755.00	270.47	28.89	-65.90	-1,891.26	-6,098.77	2,197.12	2,081.94	115.18	19.075		
16,500.00	7,095.47	6,800.00	6,755.00	273.30	28.89	-65.90	-1,891.26	-6,098.77	2,290.91	2,178.11	112.80	20.309		
16,600.00	7,095.82	6,800.00	6,755.00	276.12	28.89	-65.90	-1,891.26	-6,098.77	2,385.20	2,274.59	110.61	21.563		
16,700.00	7,096.18	6,800.00	6,755.00	278.94	28.89	-65.90	-1,891.26	-6,098.77	2,479.94	2,371.34	108.60	22.835		
16,800.00	7,096.53	6,800.00	6,755.00	281.76	28.89	-65.90	-1,891.26	-6,098.77	2,575.08	2,468.32	106.75	24.122		
16,900.00	7,096.88	6,800.00	6,755.00	284.58	28.89	-65.90	-1,891.26	-6,098.77	2,670.57	2,565.53	105.04	25.424		
17,000.00	7,097.23	6,800.00	6,755.00	287.41	28.89	-65.90	-1,891.26	-6,098.77	2,766.38	2,662.92	103.46	26.738		
17,100.00	7,097.58	6,800.00	6,755.00	290.23	28.89	-65.90	-1,891.26	-6,098.77	2,862.47	2,760.48	102.00	28.064		
17,200.00	7,097.93	6,800.00	6,755.00	293.06	28.89	-65.90	-1,891.26	-6,098.77	2,958.83	2,858.19	100.64	29.400		
17,300.00	7,098.29	6,800.00	6,755.00	295.88	28.89	-65.90	-1,891.26	-6,098.77	3,055.42	2,956.04	99.38	30.744		
17,400.00	7,098.64	6,800.00	6,755.00	298.71	28.89	-65.90	-1,891.26	-6,098.77	3,152.22	3,054.01	98.21	32.097		
17,500.00	7,098.99	6,800.00	6,755.00	301.53	28.89	-65.90	-1,891.26	-6,098.77	3,249.22	3,152.10	97.12	33.456		
17,600.00	7,099.34	6,800.00	6,755.00	304.36	28.89	-65.90	-1,891.26	-6,098.77	3,346.39	3,250.29	96.10	34.820		
17,700.00	7,099.69	6,800.00	6,755.00	307.19	28.89	-65.90	-1,891.26	-6,098.77	3,443.73	3,348.57	95.16	36.190		
17,800.00	7,100.04	6,800.00	6,755.00	310.01	28.89	-65.90	-1,891.26	-6,098.77	3,541.21	3,446.94	94.27	37.564		
17,900.00	7,100.40	6,800.00	6,755.00	312.84	28.89	-65.90	-1,891.26	-6,098.77	3,638.83	3,545.39	93.44	38.941		
18,000.00	7,100.75	6,800.00	6,755.00	315.67	28.89	-65.90	-1,891.26	-6,098.77	3,736.58	3,643.91	92.67	40.321		
18,100.00	7,101.10	6,800.00	6,755.00	318.50	28.89	-65.90	-1,891.26	-6,098.77	3,834.44	3,742.49	91.95	41.703		
18,200.00	7,101.45	6,800.00	6,755.00	321.33	28.89	-65.90	-1,891.26	-6,098.77	3,932.41	3,841.14	91.27	43.087		
18,300.00	7,101.80	6,818.70	6,771.67	324.16	28.92	-67.27	-1,899.71	-6,098.77	4,030.40	3,939.33	91.06	44.260		
18,400.00	7,102.16	6,819.58	6,772.45	326.99	28.93	-67.34	-1,900.12	-6,098.77	4,128.55	4,038.08	90.47	45.633		
18,500.00	7,102.51	6,820.46	6,773.24	329.82	28.93	-67.40	-1,900.53	-6,098.77	4,226.79	4,136.87	89.92	47.005		
18,600.00	7,102.86	6,821.35	6,774.02	332.65	28.93	-67.47	-1,900.94	-6,098.77	4,325.12	4,235.71	89.40	48.378		
18,700.00	7,103.21	6,822.24	6,774.81	335.48	28.93	-67.53	-1,901.36	-6,098.77	4,423.51	4,334.60	88.92	49.749		
18,800.00	7,103.56	6,823.13	6,775.60	338.31	28.93	-67.60	-1,901.78	-6,098.77	4,521.98	4,433.52	88.46	51.119		
18,900.00	7,103.91	6,824.03	6,776.39	341.14	28.93	-67.66	-1,902.20	-6,098.77	4,620.51	4,532.49	88.03	52.488		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
18,924.52	7,104.00	6,824.25	6,776.58	341.83	28.93	-67.68	-1,902.30	-6,098.77	4,644.68	4,556.75	87.93	52.824	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-110.18	-2,093.01	-5,693.43	6,065.96					
100.00	100.00	85.00	85.00	3.28	3.29	-110.18	-2,093.01	-5,693.43	6,065.96	6,059.39	6.57	923.282		
200.00	200.00	185.00	185.00	3.34	3.31	-110.18	-2,093.01	-5,693.43	6,065.96	6,059.32	6.64	913.265		
300.00	299.98	284.98	284.98	3.44	3.34	116.82	-2,093.01	-5,693.43	6,066.75	6,059.97	6.78	894.864		
400.00	399.84	384.84	384.84	3.59	3.39	116.82	-2,093.01	-5,693.43	6,069.11	6,062.13	6.98	869.621		
500.00	499.45	484.45	484.45	3.80	3.45	116.82	-2,093.01	-5,693.43	6,073.06	6,065.82	7.24	838.781		
600.00	598.70	583.70	583.70	4.04	3.52	116.82	-2,093.01	-5,693.43	6,078.59	6,071.03	7.56	804.211		
700.00	697.47	682.47	682.47	4.32	3.61	116.83	-2,093.01	-5,693.43	6,085.72	6,077.79	7.93	767.538		
800.00	795.62	780.62	780.62	4.65	3.70	116.83	-2,093.01	-5,693.43	6,094.46	6,086.11	8.35	730.053		
900.00	893.06	878.06	878.06	5.02	3.80	116.83	-2,093.01	-5,693.43	6,104.82	6,096.01	8.81	692.704		
993.00	982.91	863.77	863.76	5.39	3.86	116.59	-2,092.76	-5,694.10	6,117.36	6,108.13	9.24	662.385		
1,000.00	989.65	866.31	866.30	5.42	3.86	116.59	-2,092.74	-5,694.15	6,118.37	6,109.10	9.27	659.935		
1,100.00	1,085.84	900.00	899.98	5.86	3.94	116.68	-2,092.39	-5,695.07	6,133.31	6,123.54	9.77	627.634		
1,200.00	1,182.03	938.35	938.29	6.32	4.04	116.77	-2,091.82	-5,696.56	6,149.29	6,138.98	10.31	596.598		
1,300.00	1,278.22	1,000.00	999.84	6.79	4.20	116.94	-2,090.53	-5,699.96	6,166.44	6,155.51	10.92	564.514		
1,400.00	1,374.42	1,000.00	999.84	7.28	4.20	116.94	-2,090.53	-5,699.96	6,184.34	6,172.95	11.39	543.044		
1,500.00	1,470.61	1,044.27	1,043.98	7.79	4.33	117.06	-2,089.31	-5,703.16	6,203.38	6,191.40	11.99	517.539		
1,600.00	1,566.80	1,100.00	1,099.45	8.30	4.49	117.22	-2,087.43	-5,708.10	6,223.56	6,210.93	12.63	492.757		
1,700.00	1,663.00	1,100.00	1,099.45	8.82	4.49	117.22	-2,087.43	-5,708.10	6,244.61	6,231.50	13.11	476.308		
1,800.00	1,759.19	1,147.48	1,146.62	9.34	4.65	117.35	-2,085.52	-5,713.10	6,266.69	6,252.95	13.74	455.930		
1,900.00	1,855.38	1,200.00	1,198.70	9.87	4.82	117.51	-2,083.09	-5,719.49	6,289.90	6,275.50	14.40	436.687		
2,000.00	1,951.58	1,214.69	1,213.24	10.41	4.87	117.56	-2,082.35	-5,721.43	6,313.97	6,299.03	14.94	422.704		
2,100.00	2,047.77	1,256.99	1,255.06	10.95	5.03	117.69	-2,080.08	-5,727.39	6,339.11	6,323.54	15.57	407.143		
2,200.00	2,143.96	1,348.14	1,345.13	11.49	5.38	117.97	-2,075.09	-5,740.50	6,364.71	6,348.32	16.39	388.223		
2,300.00	2,240.16	1,439.30	1,435.19	12.04	5.75	118.25	-2,070.10	-5,753.61	6,390.47	6,373.23	17.24	370.732		
2,400.00	2,336.35	1,530.45	1,525.26	12.58	6.14	118.53	-2,065.11	-5,766.72	6,416.39	6,398.30	18.10	354.574		
2,500.00	2,432.54	1,621.60	1,615.33	13.13	6.54	118.81	-2,060.12	-5,779.83	6,442.47	6,423.51	18.97	339.668		
2,600.00	2,528.74	1,712.75	1,705.40	13.69	6.96	119.08	-2,055.13	-5,792.94	6,468.71	6,448.86	19.85	325.910		
2,700.00	2,624.93	1,803.91	1,795.46	14.24	7.39	119.36	-2,050.14	-5,806.05	6,495.10	6,474.36	20.74	313.202		
2,800.00	2,721.12	1,904.94	1,895.53	14.80	7.87	119.63	-2,045.15	-5,819.16	6,521.65	6,499.97	21.68	300.861		
2,900.00	2,817.32	1,986.21	1,975.60	15.35	8.26	119.90	-2,040.16	-5,832.26	6,548.34	6,525.80	22.54	290.560		
3,000.00	2,913.51	2,077.36	2,065.66	15.91	8.71	120.17	-2,035.17	-5,845.37	6,575.18	6,551.74	23.44	280.459		
3,100.00	3,009.70	2,168.52	2,155.73	16.47	9.16	120.43	-2,030.18	-5,858.48	6,602.17	6,577.82	24.36	271.073		
3,200.00	3,105.90	2,259.67	2,245.80	17.03	9.62	120.69	-2,025.19	-5,871.59	6,629.31	6,604.04	25.27	262.334		
3,300.00	3,202.09	2,350.82	2,335.86	17.59	10.07	120.96	-2,020.20	-5,884.70	6,656.59	6,630.40	26.19	254.185		
3,400.00	3,298.28	2,441.98	2,425.93	18.15	10.54	121.21	-2,015.21	-5,897.81	6,684.01	6,656.90	27.11	246.572		
3,500.00	3,394.48	2,533.13	2,516.00	18.72	11.00	121.47	-2,010.22	-5,910.92	6,711.57	6,683.54	28.03	239.448		
3,600.00	3,490.67	2,624.28	2,606.07	19.28	11.47	121.73	-2,005.22	-5,924.03	6,739.27	6,710.31	28.95	232.769		
3,700.00	3,586.86	2,715.43	2,696.13	19.84	11.94	121.98	-2,000.23	-5,937.14	6,767.10	6,737.23	29.88	226.499		
3,800.00	3,683.06	2,806.59	2,786.20	20.41	12.42	122.23	-1,995.24	-5,950.25	6,795.07	6,764.27	30.80	220.602		
3,900.00	3,779.25	2,897.74	2,876.27	20.97	12.89	122.48	-1,990.25	-5,963.35	6,823.18	6,791.45	31.73	215.049		
4,000.00	3,875.44	2,988.89	2,966.33	21.54	13.37	122.73	-1,985.26	-5,976.46	6,851.41	6,818.76	32.66	209.811		
4,100.00	3,971.64	3,080.04	3,056.40	22.11	13.84	122.98	-1,980.27	-5,989.57	6,879.78	6,846.19	33.58	204.863		
4,200.00	4,067.83	3,171.20	3,146.47	22.67	14.32	123.22	-1,975.28	-6,002.68	6,908.27	6,873.76	34.51	200.183		
4,300.00	4,164.02	3,262.35	3,236.53	23.24	14.80	123.47	-1,970.29	-6,015.79	6,936.89	6,901.45	35.44	195.751		
4,400.00	4,260.22	3,353.50	3,326.60	23.81	15.28	123.71	-1,965.30	-6,028.90	6,965.63	6,929.27	36.36	191.548		
4,500.00	4,356.41	3,444.65	3,416.67	24.37	15.76	123.95	-1,960.31	-6,042.01	6,994.50	6,957.21	37.29	187.558		
4,600.00	4,452.60	3,535.81	3,506.73	24.94	16.25	124.18	-1,955.32	-6,055.12	7,023.49	6,985.27	38.22	183.765		
4,700.00	4,548.79	3,626.96	3,596.80	25.51	16.73	124.42	-1,950.33	-6,068.23	7,052.61	7,013.46	39.15	180.156		
4,800.00	4,644.99	3,718.11	3,686.87	26.08	17.21	124.65	-1,945.34	-6,081.34	7,081.84	7,041.76	40.07	176.718		
4,900.00	4,741.18	3,809.27	3,776.94	26.65	17.70	124.88	-1,940.35	-6,094.44	7,111.18	7,070.18	41.00	173.439		
5,000.00	4,837.37	3,900.42	3,867.00	27.21	18.18	125.11	-1,935.35	-6,107.55	7,140.65	7,098.72	41.93	170.310		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,008.43	3,957.07	27.78	18.76	125.34	-1,930.36	-6,120.66	7,170.23	7,127.30	42.93	167.014		
5,200.00	5,029.76	4,082.72	4,047.14	28.35	19.15	125.57	-1,925.37	-6,133.77	7,199.92	7,156.14	43.78	164.461		
5,300.00	5,125.95	4,173.88	4,137.20	28.92	19.64	125.79	-1,920.38	-6,146.88	7,229.73	7,185.02	44.70	161.725		
5,400.00	5,222.15	4,265.03	4,227.27	29.49	20.13	126.02	-1,915.39	-6,159.99	7,259.64	7,214.01	45.63	159.103		
5,500.00	5,318.34	4,356.18	4,317.34	30.06	20.62	126.24	-1,910.40	-6,173.10	7,289.67	7,243.11	46.55	156.590		
5,600.00	5,414.53	4,447.33	4,407.40	30.63	21.10	126.46	-1,905.41	-6,186.21	7,319.80	7,272.32	47.48	154.178		
5,700.00	5,510.73	4,538.49	4,497.47	31.20	21.59	126.68	-1,900.42	-6,199.32	7,350.04	7,301.64	48.40	151.862		
5,800.00	5,606.92	4,629.64	4,587.54	31.77	22.08	126.89	-1,895.43	-6,212.42	7,380.38	7,331.06	49.32	149.637		
5,900.00	5,703.11	4,720.79	4,677.60	32.34	22.57	127.11	-1,890.44	-6,225.53	7,410.83	7,360.59	50.24	147.497		
6,000.00	5,799.31	4,811.94	4,767.67	32.91	23.06	127.32	-1,885.45	-6,238.64	7,441.38	7,390.21	51.17	145.438		
6,100.00	5,895.50	4,903.10	4,857.74	33.48	23.55	127.54	-1,880.46	-6,251.75	7,472.03	7,419.95	52.09	143.455		
6,200.00	5,991.69	5,005.75	4,947.81	34.05	24.10	127.75	-1,875.47	-6,264.86	7,502.78	7,449.72	53.06	141.401		
6,300.00	6,087.89	5,085.40	5,037.87	34.62	24.53	127.95	-1,870.48	-6,277.97	7,533.64	7,479.71	53.93	139.702		
6,400.00	6,184.08	5,176.55	5,127.94	35.19	25.02	128.16	-1,865.49	-6,291.08	7,564.59	7,509.74	54.85	137.925		
6,500.00	6,280.27	5,267.71	5,218.01	35.77	25.51	128.37	-1,860.49	-6,304.19	7,595.63	7,539.87	55.76	136.210		
6,535.30	6,314.23	5,300.12	5,249.80	35.97	25.68	128.44	-1,858.73	-6,308.81	7,606.61	7,550.52	56.09	135.616		
6,550.00	6,328.40	5,313.34	5,263.09	36.05	25.75	125.10	-1,858.00	-6,310.75	7,611.03	7,554.81	56.22	135.374		
6,600.00	6,377.01	5,359.86	5,309.06	36.31	26.00	110.13	-1,855.45	-6,317.44	7,623.64	7,566.97	56.67	134.522		
6,650.00	6,426.00	5,407.31	5,355.95	36.54	26.26	89.32	-1,852.85	-6,324.26	7,632.48	7,575.37	57.11	133.651		
6,700.00	6,475.08	5,455.42	5,403.49	36.73	26.52	66.59	-1,850.22	-6,331.18	7,637.48	7,579.96	57.52	132.778		
6,750.00	6,523.94	5,503.88	5,451.37	36.90	26.78	48.06	-1,847.56	-6,338.15	7,638.62	7,580.71	57.91	131.912		
6,800.00	6,572.28	5,552.40	5,499.30	37.05	27.04	35.32	-1,844.91	-6,345.13	7,635.87	7,577.61	58.27	131.050		
6,850.00	6,619.81	5,600.67	5,547.00	37.19	27.30	26.84	-1,842.26	-6,352.07	7,629.27	7,570.67	58.60	130.185		
6,900.00	6,666.23	5,637.72	5,578.35	37.32	31.97	22.42	-1,817.70	-6,429.40	7,613.81	7,549.85	63.96	119.049		
6,950.00	6,711.25	5,662.53	5,602.95	37.46	32.05	18.14	-1,820.90	-6,429.39	7,593.69	7,529.58	64.11	118.451		
7,000.00	6,754.60	5,690.00	5,639.88	37.61	32.16	14.90	-1,827.24	-6,429.39	7,570.19	7,505.90	64.29	117.742		
7,050.00	6,796.01	5,700.00	5,639.88	37.77	32.16	12.33	-1,827.24	-6,429.39	7,543.41	7,479.09	64.32	117.272		
7,100.00	6,835.22	5,731.02	5,670.18	37.94	32.24	10.18	-1,833.85	-6,429.39	7,513.52	7,449.07	64.45	116.584		
7,150.00	6,871.99	5,751.27	5,689.80	38.12	32.29	8.31	-1,838.83	-6,429.39	7,480.69	7,416.17	64.52	115.936		
7,200.00	6,906.10	5,769.97	5,707.81	38.34	32.34	6.58	-1,843.89	-6,429.39	7,445.11	7,380.53	64.59	115.270		
7,250.00	6,937.34	5,780.00	5,736.45	38.57	32.42	4.86	-1,852.93	-6,429.39	7,407.01	7,342.32	64.69	114.503		
7,300.00	6,965.51	5,800.00	5,736.45	38.84	32.42	3.16	-1,852.93	-6,429.39	7,366.52	7,301.85	64.68	113.899		
7,350.00	6,990.44	5,800.00	5,736.45	39.14	32.42	1.27	-1,852.93	-6,429.39	7,323.99	7,259.33	64.66	113.268		
7,400.00	7,011.97	5,827.25	5,762.11	39.47	32.48	-1.15	-1,862.10	-6,429.39	7,279.55	7,214.82	64.74	112.450		
7,450.00	7,029.98	5,836.84	5,771.05	39.85	32.50	-4.20	-1,865.54	-6,429.39	7,233.55	7,168.79	64.75	111.707		
7,500.00	7,044.34	5,844.44	5,778.12	40.26	32.52	-8.60	-1,868.35	-6,429.39	7,186.22	7,121.45	64.77	110.951		
7,550.00	7,054.99	5,850.03	5,783.30	40.72	32.53	-15.72	-1,870.47	-6,429.39	7,137.85	7,073.07	64.78	110.182		
7,600.00	7,061.83	5,853.60	5,786.59	41.21	32.54	-29.02	-1,871.83	-6,429.39	7,088.73	7,023.93	64.79	109.403		
7,650.00	7,064.85	5,855.13	5,788.00	41.73	32.54	-56.92	-1,872.43	-6,429.39	7,039.15	6,974.34	64.81	108.615		
7,661.89	7,065.00	5,855.20	5,788.06	41.86	32.54	-66.60	-1,872.45	-6,429.39	7,027.32	6,962.51	64.81	108.425		
7,700.00	7,065.13	5,855.22	5,788.08	42.28	32.54	-66.60	-1,872.46	-6,429.39	6,989.41	6,924.59	64.82	107.822		
7,800.00	7,065.47	5,855.28	5,788.14	43.53	32.54	-66.61	-1,872.48	-6,429.39	6,889.95	6,825.10	64.86	106.234		
7,900.00	7,065.82	5,855.34	5,788.19	44.94	32.54	-66.61	-1,872.51	-6,429.39	6,790.51	6,725.62	64.89	104.641		
8,000.00	7,066.16	5,855.40	5,788.25	46.50	32.54	-66.62	-1,872.53	-6,429.39	6,691.08	6,626.15	64.94	103.041		
8,100.00	7,066.50	5,855.45	5,788.30	48.19	32.54	-66.62	-1,872.55	-6,429.39	6,591.67	6,526.69	64.98	101.436		
8,200.00	7,066.85	5,855.51	5,788.35	50.00	32.54	-66.63	-1,872.57	-6,429.39	6,492.28	6,427.24	65.04	99.825		
8,300.00	7,067.19	5,855.57	5,788.41	51.91	32.54	-66.63	-1,872.60	-6,429.39	6,392.91	6,327.81	65.10	98.208		
8,400.00	7,067.54	5,855.63	5,788.46	53.92	32.54	-66.64	-1,872.62	-6,429.39	6,293.55	6,228.39	65.16	96.584		
8,500.00	7,067.88	5,855.69	5,788.51	56.01	32.55	-66.64	-1,872.64	-6,429.39	6,194.22	6,128.99	65.23	94.955		
8,600.00	7,068.22	5,855.74	5,788.57	58.16	32.55	-66.65	-1,872.66	-6,429.39	6,094.91	6,029.60	65.31	93.319		
8,700.00	7,068.57	5,855.80	5,788.62	60.38	32.55	-66.65	-1,872.68	-6,429.39	5,995.62	5,930.22	65.40	91.677		
8,800.00	7,068.91	5,855.86	5,788.67	62.65	32.55	-66.66	-1,872.71	-6,429.39	5,896.36	5,830.86	65.49	90.028		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	6,855.92	6,788.73	64.97	32.55	-66.66	-1,872.73	-6,429.39	5,797.12	5,731.52	65.60	88.373		
9,000.00	7,069.60	6,855.97	6,788.78	67.34	32.55	-66.66	-1,872.75	-6,429.39	5,697.91	5,632.20	65.71	86.711		
9,100.00	7,069.94	6,856.03	6,788.83	69.74	32.55	-66.67	-1,872.77	-6,429.39	5,598.72	5,532.89	65.83	85.042		
9,200.00	7,070.28	6,856.09	6,788.88	72.18	32.55	-66.67	-1,872.80	-6,429.39	5,499.57	5,433.60	65.97	83.367		
9,300.00	7,070.63	6,856.15	6,788.94	74.65	32.55	-66.68	-1,872.82	-6,429.39	5,400.45	5,334.33	66.11	81.684		
9,400.00	7,070.97	6,856.20	6,788.99	77.15	32.55	-66.68	-1,872.84	-6,429.39	5,301.36	5,235.08	66.27	79.994		
9,500.00	7,071.32	6,856.26	6,789.04	79.67	32.55	-66.69	-1,872.86	-6,429.39	5,202.30	5,135.86	66.44	78.298		
9,600.00	7,071.66	6,856.32	6,789.10	82.22	32.55	-66.69	-1,872.89	-6,429.39	5,103.28	5,036.65	66.63	76.594		
9,700.00	7,072.00	6,856.38	6,789.15	84.78	32.55	-66.70	-1,872.91	-6,429.39	5,004.30	4,937.47	66.83	74.883		
9,800.00	7,072.35	6,856.43	6,789.20	87.37	32.55	-66.70	-1,872.93	-6,429.39	4,905.36	4,838.32	67.05	73.164		
9,900.00	7,072.69	6,856.49	6,789.25	89.97	32.55	-66.71	-1,872.95	-6,429.39	4,806.47	4,739.19	67.28	71.439		
10,000.00	7,073.03	6,856.55	6,789.31	92.59	32.55	-66.71	-1,872.97	-6,429.39	4,707.62	4,640.09	67.54	69.706		
10,100.00	7,073.38	6,856.60	6,789.36	95.22	32.55	-66.71	-1,873.00	-6,429.39	4,608.82	4,541.01	67.81	67.965		
10,200.00	7,073.72	6,856.66	6,789.41	97.86	32.55	-66.72	-1,873.02	-6,429.39	4,510.08	4,441.97	68.11	66.218		
10,300.00	7,074.07	6,856.72	6,789.46	100.52	32.55	-66.72	-1,873.04	-6,429.39	4,411.39	4,342.96	68.43	64.463		
10,400.00	7,074.41	6,856.78	6,789.52	103.19	32.55	-66.73	-1,873.06	-6,429.39	4,312.76	4,243.98	68.78	62.702		
10,500.00	7,074.75	6,856.83	6,789.57	105.87	32.55	-66.73	-1,873.09	-6,429.39	4,214.20	4,145.04	69.16	60.933		
10,600.00	7,075.10	6,856.89	6,789.62	108.55	32.55	-66.74	-1,873.11	-6,429.39	4,115.71	4,046.13	69.57	59.158		
10,700.00	7,075.44	6,856.95	6,789.67	111.25	32.55	-66.74	-1,873.13	-6,429.39	4,017.29	3,947.27	70.02	57.376		
10,800.00	7,075.78	6,857.00	6,789.73	113.96	32.55	-66.75	-1,873.15	-6,429.39	3,918.95	3,848.45	70.50	55.589		
10,900.00	7,076.13	6,857.06	6,789.78	116.67	32.55	-66.75	-1,873.17	-6,429.39	3,820.69	3,749.67	71.02	53.796		
11,000.00	7,076.47	6,857.12	6,789.83	119.39	32.55	-66.76	-1,873.20	-6,429.39	3,722.53	3,650.94	71.59	51.998		
11,100.00	7,076.81	6,857.17	6,789.88	122.11	32.55	-66.76	-1,873.22	-6,429.39	3,624.47	3,552.27	72.21	50.195		
11,200.00	7,077.16	6,857.23	6,789.93	124.85	32.55	-66.76	-1,873.24	-6,429.39	3,526.52	3,453.65	72.88	48.389		
11,300.00	7,077.50	6,857.29	6,789.99	127.58	32.55	-66.77	-1,873.26	-6,429.39	3,428.69	3,355.08	73.61	46.580		
11,400.00	7,077.85	6,857.34	6,790.04	130.33	32.55	-66.77	-1,873.28	-6,429.39	3,330.99	3,256.59	74.40	44.770		
11,500.00	7,078.19	6,857.40	6,790.09	133.08	32.55	-66.78	-1,873.31	-6,429.39	3,233.43	3,158.16	75.27	42.959		
11,600.00	7,078.53	6,857.45	6,790.14	135.83	32.55	-66.78	-1,873.33	-6,429.39	3,136.02	3,059.80	76.21	41.149		
11,700.00	7,078.88	6,857.51	6,790.19	138.59	32.55	-66.79	-1,873.35	-6,429.39	3,038.77	2,961.53	77.24	39.341		
11,800.00	7,079.22	6,857.57	6,790.25	141.35	32.55	-66.79	-1,873.37	-6,429.39	2,941.72	2,863.35	78.37	37.538		
11,900.00	7,079.56	6,857.62	6,790.30	144.11	32.55	-66.80	-1,873.39	-6,429.39	2,844.87	2,765.27	79.60	35.741		
12,000.00	7,079.91	6,857.68	6,790.35	146.88	32.55	-66.80	-1,873.42	-6,429.39	2,748.24	2,667.29	80.95	33.952		
12,100.00	7,080.25	6,857.74	6,790.40	149.66	32.55	-66.80	-1,873.44	-6,429.39	2,651.86	2,569.44	82.42	32.174		
12,200.00	7,080.60	6,857.79	6,790.45	152.43	32.55	-66.81	-1,873.46	-6,429.39	2,555.76	2,471.72	84.05	30.409		
12,300.00	7,080.94	6,857.85	6,790.50	155.21	32.55	-66.81	-1,873.48	-6,429.39	2,459.98	2,374.15	85.83	28.662		
12,400.00	7,081.28	6,857.90	6,790.56	157.99	32.55	-66.82	-1,873.50	-6,429.39	2,364.54	2,276.75	87.79	26.933		
12,500.00	7,081.63	6,857.96	6,790.61	160.78	32.55	-66.82	-1,873.53	-6,429.39	2,269.49	2,179.54	89.96	25.229		
12,600.00	7,081.97	6,858.02	6,790.66	163.57	32.55	-66.83	-1,873.55	-6,429.39	2,174.89	2,082.54	92.35	23.551		
12,700.00	7,082.31	6,858.07	6,790.71	166.36	32.55	-66.83	-1,873.57	-6,429.39	2,080.79	1,985.80	94.99	21.905		
12,800.00	7,082.66	6,858.13	6,790.76	169.15	32.55	-66.84	-1,873.59	-6,429.39	1,987.27	1,889.35	97.92	20.294		
12,900.00	7,083.00	6,858.18	6,790.81	171.94	32.55	-66.84	-1,873.61	-6,429.39	1,894.42	1,793.24	101.18	18.723		
13,000.00	7,083.35	6,858.24	6,790.86	174.74	32.55	-66.84	-1,873.63	-6,429.39	1,802.32	1,697.52	104.80	17.198		
13,100.00	7,083.69	6,858.29	6,790.91	177.54	32.55	-66.85	-1,873.66	-6,429.39	1,711.12	1,602.28	108.84	15.722		
13,200.00	7,084.03	6,858.35	6,790.97	180.34	32.55	-66.85	-1,873.68	-6,429.39	1,620.95	1,507.61	113.34	14.301		
13,300.00	7,084.38	6,858.40	6,791.02	183.14	32.55	-66.86	-1,873.70	-6,429.39	1,532.00	1,413.62	118.38	12.941		
13,400.00	7,084.72	6,858.46	6,791.07	185.95	32.55	-66.86	-1,873.72	-6,429.39	1,444.50	1,320.48	124.02	11.647		
13,500.00	7,085.06	6,858.52	6,791.12	188.76	32.55	-66.87	-1,873.74	-6,429.39	1,358.73	1,228.38	130.35	10.424		
13,600.00	7,085.41	6,858.57	6,791.17	191.56	32.55	-66.87	-1,873.76	-6,429.39	1,275.03	1,137.60	137.43	9.278		
13,700.00	7,085.75	6,858.63	6,791.22	194.37	32.55	-66.88	-1,873.79	-6,429.39	1,193.84	1,048.49	145.35	8.213		
13,800.00	7,086.09	6,858.68	6,791.27	197.18	32.55	-66.88	-1,873.81	-6,429.39	1,115.71	961.53	154.18	7.236		
13,900.00	7,086.44	6,858.74	6,791.32	200.00	32.55	-66.88	-1,873.83	-6,429.39	1,041.33	877.39	163.94	6.352		
14,000.00	7,086.78	6,858.79	6,791.37	202.81	32.55	-66.89	-1,873.85	-6,429.39	971.56	796.95	174.61	5.564		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	6,858.85	6,791.42	205.63	32.55	-66.89	-1,873.87	-6,429.39	907.46	721.43	186.03	4.878		
14,200.00	7,087.47	6,858.90	6,791.47	208.44	32.55	-66.90	-1,873.89	-6,429.39	850.32	652.43	197.89	4.297		
14,300.00	7,087.81	6,858.96	6,791.53	211.26	32.55	-66.90	-1,873.92	-6,429.39	801.62	591.99	209.63	3.824		
14,400.00	7,088.16	6,859.01	6,791.58	214.08	32.55	-66.91	-1,873.94	-6,429.39	762.99	542.58	220.41	3.462		
14,500.00	7,088.50	6,859.07	6,791.63	216.90	32.55	-66.91	-1,873.96	-6,429.39	736.01	506.79	229.21	3.211		
14,600.00	7,088.84	6,859.12	6,791.68	219.72	32.55	-66.91	-1,873.98	-6,429.39	721.98	486.96	235.02	3.072		
14,652.22	7,089.02	6,859.15	6,791.70	221.20	32.55	-66.92	-1,873.99	-6,429.39	720.09	483.48	236.61	3.043	CC, ES	
14,700.00	7,089.19	6,859.18	6,791.73	222.54	32.55	-66.92	-1,874.00	-6,429.39	721.67	484.53	237.14	3.043	SF	
14,800.00	7,089.53	6,859.23	6,791.78	225.37	32.55	-66.92	-1,874.02	-6,429.39	735.10	499.64	235.46	3.122		
14,900.00	7,089.88	6,859.29	6,791.83	228.19	32.55	-66.93	-1,874.04	-6,429.39	761.53	531.04	230.48	3.304		
15,000.00	7,090.22	6,859.34	6,791.88	231.02	32.55	-66.93	-1,874.07	-6,429.39	799.68	576.57	223.10	3.584		
15,100.00	7,090.56	6,859.40	6,791.93	233.84	32.55	-66.94	-1,874.09	-6,429.39	847.96	633.66	214.30	3.957		
15,200.00	7,090.91	6,859.45	6,791.98	236.67	32.55	-66.94	-1,874.11	-6,429.39	904.76	699.85	204.91	4.415		
15,227.29	7,091.00	6,859.47	6,791.99	237.44	32.55	-66.94	-1,874.11	-6,429.39	921.54	719.21	202.33	4.555		
15,300.00	7,091.25	6,859.69	6,792.20	239.49	32.55	-67.43	-1,874.20	-6,429.39	967.94	772.49	195.45	4.952		
15,326.57	7,091.35	6,859.87	6,792.36	240.24	32.55	-67.61	-1,874.27	-6,429.39	985.38	792.44	192.94	5.107		
15,400.00	7,091.60	6,860.43	6,792.88	242.30	32.56	-67.66	-1,874.49	-6,429.39	1,035.36	849.23	186.14	5.562		
15,500.00	7,091.96	6,861.19	6,793.58	245.12	32.56	-67.72	-1,874.79	-6,429.39	1,107.64	930.25	177.39	6.244		
15,600.00	7,092.31	6,861.95	6,794.28	247.93	32.56	-67.78	-1,875.09	-6,429.39	1,183.96	1,014.64	169.32	6.992		
15,700.00	7,092.66	6,862.72	6,794.98	250.75	32.56	-67.84	-1,875.40	-6,429.39	1,263.58	1,101.62	161.96	7.802		
15,800.00	7,093.01	6,863.49	6,795.69	253.56	32.56	-67.89	-1,875.70	-6,429.39	1,345.93	1,190.64	155.29	8.667		
15,900.00	7,093.36	6,864.26	6,796.40	256.38	32.56	-67.95	-1,876.01	-6,429.39	1,430.53	1,281.27	149.26	9.584		
16,000.00	7,093.71	6,865.03	6,797.11	259.20	32.57	-68.01	-1,876.32	-6,429.39	1,517.00	1,373.18	143.82	10.548		
16,100.00	7,094.07	6,865.81	6,797.82	262.02	32.57	-68.07	-1,876.63	-6,429.39	1,605.05	1,466.13	138.91	11.554		
16,200.00	7,094.42	6,866.59	6,798.53	264.84	32.57	-68.13	-1,876.94	-6,429.39	1,694.42	1,559.94	134.48	12.600		
16,300.00	7,094.77	6,867.37	6,799.25	267.65	32.57	-68.20	-1,877.26	-6,429.39	1,784.91	1,654.44	130.47	13.680		
16,400.00	7,095.12	6,868.16	6,799.97	270.47	32.57	-68.26	-1,877.57	-6,429.39	1,876.38	1,749.54	126.84	14.793		
16,500.00	7,095.47	6,868.95	6,800.69	273.30	32.57	-68.32	-1,877.89	-6,429.39	1,968.67	1,845.13	123.54	15.935		
16,600.00	7,095.82	6,869.74	6,801.41	276.12	32.58	-68.38	-1,878.21	-6,429.39	2,061.68	1,941.14	120.54	17.103		
16,700.00	7,096.18	6,870.53	6,802.14	278.94	32.58	-68.44	-1,878.53	-6,429.39	2,155.32	2,037.51	117.81	18.295		
16,800.00	7,096.53	6,871.33	6,802.86	281.76	32.58	-68.50	-1,878.85	-6,429.39	2,249.50	2,134.19	115.31	19.508		
16,900.00	7,096.88	6,872.12	6,803.59	284.58	32.58	-68.56	-1,879.18	-6,429.39	2,344.16	2,231.14	113.02	20.740		
17,000.00	7,097.23	6,872.93	6,804.33	287.41	32.58	-68.63	-1,879.51	-6,429.39	2,439.26	2,328.33	110.93	21.990		
17,100.00	7,097.58	6,873.73	6,805.06	290.23	32.59	-68.69	-1,879.84	-6,429.39	2,534.72	2,425.72	109.00	23.254		
17,200.00	7,097.93	6,874.54	6,805.80	293.06	32.59	-68.75	-1,880.17	-6,429.39	2,630.53	2,523.30	107.23	24.532		
17,300.00	7,098.29	6,875.35	6,806.54	295.88	32.59	-68.81	-1,880.50	-6,429.39	2,726.63	2,621.04	105.59	25.823		
17,400.00	7,098.64	6,876.16	6,807.28	298.71	32.59	-68.88	-1,880.83	-6,429.39	2,823.01	2,718.93	104.08	27.124		
17,500.00	7,098.99	6,876.98	6,808.02	301.53	32.59	-68.94	-1,881.17	-6,429.39	2,919.63	2,816.94	102.68	28.434		
17,600.00	7,099.34	6,877.80	6,808.77	304.36	32.59	-69.00	-1,881.51	-6,429.39	3,016.46	2,915.08	101.39	29.752		
17,700.00	7,099.69	6,878.62	6,809.51	307.19	32.60	-69.07	-1,881.85	-6,429.39	3,113.50	3,013.32	100.18	31.078		
17,800.00	7,100.04	6,879.44	6,810.26	310.01	32.60	-69.13	-1,882.19	-6,429.39	3,210.72	3,111.65	99.07	32.409		
17,900.00	7,100.40	6,880.27	6,811.02	312.84	32.60	-69.19	-1,882.54	-6,429.39	3,308.11	3,210.08	98.03	33.746		
18,000.00	7,100.75	6,881.10	6,811.77	315.67	32.60	-69.26	-1,882.89	-6,429.39	3,405.64	3,308.58	97.06	35.087		
18,100.00	7,101.10	6,881.94	6,812.53	318.50	32.60	-69.32	-1,883.24	-6,429.39	3,503.32	3,407.16	96.16	36.432		
18,200.00	7,101.45	6,900.00	6,828.84	321.33	32.64	-70.71	-1,891.00	-6,429.39	3,601.19	3,505.42	95.77	37.603		
18,300.00	7,101.80	6,900.00	6,828.84	324.16	32.64	-70.71	-1,891.00	-6,429.39	3,699.10	3,604.15	94.95	38.958		
18,400.00	7,102.16	6,900.00	6,828.84	326.99	32.64	-70.71	-1,891.00	-6,429.39	3,797.12	3,702.94	94.18	40.316		
18,500.00	7,102.51	6,900.00	6,828.84	329.82	32.64	-70.71	-1,891.00	-6,429.39	3,895.24	3,801.77	93.47	41.675		
18,600.00	7,102.86	6,900.00	6,828.84	332.65	32.64	-70.71	-1,891.00	-6,429.39	3,993.45	3,900.66	92.80	43.035		
18,700.00	7,103.21	6,900.00	6,828.84	335.48	32.64	-70.71	-1,891.00	-6,429.39	4,091.75	3,999.59	92.17	44.396		
18,800.00	7,103.56	6,900.00	6,828.84	338.31	32.64	-70.71	-1,891.00	-6,429.39	4,190.13	4,098.56	91.57	45.757		
18,900.00	7,103.91	6,900.00	6,828.84	341.14	32.64	-70.71	-1,891.00	-6,429.39	4,288.59	4,197.57	91.02	47.117		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
18,924.52	7,104.00	6,900.00	6,828.84	341.83	32.64	-70.71	-1,891.00	-6,429.39	4,312.74	4,221.85	90.89	47.451		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-110.49	-2,093.03	-5,601.65	5,979.91					
100.00	100.00	85.00	85.00	3.28	3.29	-110.49	-2,093.03	-5,601.65	5,979.91	5,973.34	6.57	910.184		
200.00	200.00	185.00	185.00	3.34	3.31	-110.49	-2,093.03	-5,601.65	5,979.91	5,973.27	6.64	900.308		
300.00	299.98	284.98	284.98	3.44	3.34	116.51	-2,093.03	-5,601.65	5,980.69	5,973.91	6.78	882.168		
400.00	399.84	384.84	384.84	3.59	3.39	116.52	-2,093.03	-5,601.65	5,983.03	5,976.05	6.98	857.286		
500.00	499.45	484.45	484.45	3.80	3.45	116.52	-2,093.03	-5,601.65	5,986.93	5,979.69	7.24	826.886		
600.00	598.70	583.70	583.70	4.04	3.52	116.53	-2,093.03	-5,601.65	5,992.41	5,984.85	7.56	792.808		
700.00	697.47	682.47	682.47	4.32	3.61	116.53	-2,093.03	-5,601.65	5,999.46	5,991.53	7.93	756.655		
800.00	795.62	780.62	780.62	4.65	3.70	116.54	-2,093.03	-5,601.65	6,008.11	5,999.77	8.35	719.700		
900.00	893.06	878.06	878.06	5.02	3.80	116.54	-2,093.03	-5,601.65	6,018.38	6,009.56	8.81	682.877		
993.00	982.91	1,608.23	1,591.23	5.39	5.00	118.01	-2,087.17	-5,593.73	6,052.14	6,041.76	10.38	582.994		
1,000.00	989.65	1,598.50	1,597.93	5.42	4.97	118.03	-2,086.73	-5,593.15	6,052.32	6,041.94	10.38	583.134		
1,100.00	1,085.84	1,705.33	1,693.54	5.86	5.33	118.28	-2,080.58	-5,584.83	6,055.02	6,043.86	11.16	542.560		
1,200.00	1,182.03	1,809.16	1,789.15	6.32	5.71	118.52	-2,074.42	-5,576.51	6,057.85	6,045.88	11.97	506.104		
1,300.00	1,278.22	1,887.01	1,884.76	6.79	6.01	118.77	-2,068.26	-5,568.19	6,060.79	6,048.08	12.71	476.678		
1,400.00	1,374.42	1,983.18	1,980.37	7.28	6.39	119.02	-2,062.10	-5,559.87	6,063.86	6,050.31	13.55	447.510		
1,500.00	1,470.61	2,079.35	2,075.98	7.79	6.78	119.27	-2,055.94	-5,551.56	6,067.05	6,052.65	14.41	421.173		
1,600.00	1,566.80	2,175.52	2,171.59	8.30	7.18	119.51	-2,049.78	-5,543.24	6,070.37	6,055.09	15.28	397.366		
1,700.00	1,663.00	2,271.69	2,267.20	8.82	7.59	119.76	-2,043.62	-5,534.92	6,073.80	6,057.64	16.16	375.816		
1,800.00	1,759.19	2,367.86	2,362.81	9.34	8.00	120.01	-2,037.46	-5,526.60	6,077.36	6,060.30	17.06	356.269		
1,900.00	1,855.38	2,464.02	2,458.43	9.87	8.43	120.26	-2,031.30	-5,518.28	6,081.04	6,063.07	17.96	338.498		
2,000.00	1,951.58	2,560.19	2,554.04	10.41	8.85	120.50	-2,025.14	-5,509.96	6,084.84	6,065.96	18.88	322.298		
2,100.00	2,047.77	2,656.36	2,649.65	10.95	9.28	120.75	-2,018.98	-5,501.64	6,088.76	6,068.96	19.80	307.491		
2,200.00	2,143.96	2,752.53	2,745.26	11.49	9.72	120.99	-2,012.82	-5,493.32	6,092.80	6,072.07	20.73	293.921		
2,300.00	2,240.16	2,848.70	2,840.87	12.04	10.15	121.24	-2,006.66	-5,485.00	6,096.96	6,075.30	21.66	281.452		
2,400.00	2,336.35	2,944.87	2,936.48	12.58	10.59	121.48	-2,000.50	-5,476.68	6,101.24	6,078.64	22.60	269.962		
2,500.00	2,432.54	3,041.04	3,032.09	13.13	11.03	121.73	-1,994.34	-5,468.36	6,105.64	6,082.10	23.54	259.350		
2,600.00	2,528.74	3,137.21	3,127.70	13.69	11.48	121.97	-1,988.18	-5,460.04	6,110.17	6,085.68	24.49	249.524		
2,700.00	2,624.93	3,233.38	3,223.31	14.24	11.93	122.22	-1,982.02	-5,451.73	6,114.81	6,089.37	25.44	240.404		
2,800.00	2,721.12	3,329.55	3,318.92	14.80	12.37	122.46	-1,975.86	-5,443.41	6,119.57	6,093.18	26.39	231.920		
2,900.00	2,817.32	3,425.72	3,414.54	15.35	12.82	122.70	-1,969.70	-5,435.09	6,124.45	6,097.11	27.34	224.012		
3,000.00	2,913.51	3,521.89	3,510.15	15.91	13.27	122.95	-1,963.55	-5,426.77	6,129.45	6,101.15	28.30	216.626		
3,100.00	3,009.70	3,618.06	3,605.76	16.47	13.73	123.19	-1,957.39	-5,418.45	6,134.57	6,105.31	29.25	209.712		
3,200.00	3,105.90	3,714.23	3,701.37	17.03	14.18	123.43	-1,951.23	-5,410.13	6,139.80	6,109.59	30.21	203.230		
3,300.00	3,202.09	3,810.40	3,796.98	17.59	14.63	123.67	-1,945.07	-5,401.81	6,145.15	6,113.98	31.17	197.142		
3,400.00	3,298.28	3,906.57	3,892.59	18.15	15.09	123.92	-1,938.91	-5,393.49	6,150.62	6,118.49	32.13	191.413		
3,500.00	3,394.48	4,002.74	3,988.20	18.72	15.55	124.16	-1,932.75	-5,385.17	6,156.21	6,123.12	33.10	186.015		
3,600.00	3,490.67	4,101.09	4,083.81	19.28	16.01	124.40	-1,926.59	-5,376.85	6,161.92	6,127.85	34.07	180.869		
3,700.00	3,586.86	4,204.92	4,179.42	19.84	16.51	124.64	-1,920.43	-5,368.53	6,167.74	6,132.67	35.07	175.885		
3,800.00	3,683.06	4,308.75	4,275.03	20.41	17.00	124.88	-1,914.27	-5,360.21	6,173.68	6,137.61	36.07	171.177		
3,900.00	3,779.25	4,387.42	4,370.64	20.97	17.38	125.12	-1,908.11	-5,351.90	6,179.73	6,142.77	36.95	167.226		
4,000.00	3,875.44	4,483.59	4,466.26	21.54	17.84	125.36	-1,901.95	-5,343.58	6,185.90	6,147.98	37.92	163.127		
4,100.00	3,971.64	4,579.76	4,561.87	22.11	18.30	125.59	-1,895.79	-5,335.26	6,192.18	6,153.29	38.89	159.232		
4,200.00	4,067.83	4,675.93	4,657.48	22.67	18.76	125.83	-1,889.63	-5,326.94	6,198.58	6,158.73	39.86	155.527		
4,300.00	4,164.02	4,772.10	4,753.09	23.24	19.22	126.07	-1,883.47	-5,318.62	6,205.09	6,164.27	40.82	152.000		
4,400.00	4,260.22	4,868.27	4,848.70	23.81	19.68	126.31	-1,877.31	-5,310.30	6,211.72	6,169.93	41.79	148.637		
4,500.00	4,356.41	4,964.44	4,944.31	24.37	20.14	126.54	-1,871.15	-5,301.98	6,218.46	6,175.70	42.76	145.428		
4,600.00	4,452.60	5,060.61	5,039.92	24.94	20.60	126.78	-1,864.99	-5,293.66	6,225.32	6,181.59	43.73	142.364		
4,700.00	4,548.79	5,156.77	5,135.53	25.51	21.07	127.01	-1,858.83	-5,285.34	6,232.29	6,187.59	44.70	139.434		
4,800.00	4,644.99	5,252.94	5,231.14	26.08	21.53	127.25	-1,852.68	-5,277.02	6,239.37	6,193.70	45.67	136.630		
4,900.00	4,741.18	5,349.11	5,326.75	26.65	21.99	127.48	-1,846.52	-5,268.70	6,246.56	6,199.92	46.64	133.945		
5,000.00	4,837.37	5,445.28	5,422.37	27.21	22.46	127.72	-1,840.36	-5,260.38	6,253.86	6,206.26	47.60	131.371		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	5,541.45	5,517.98	27.78	22.92	127.95	-1,834.20	-5,252.06	6,261.28	6,212.70	48.57	128.902		
5,200.00	5,029.76	5,637.62	5,613.59	28.35	23.38	128.19	-1,828.04	-5,243.75	6,268.81	6,219.26	49.54	126.532		
5,300.00	5,125.95	5,716.15	5,691.66	28.92	23.76	128.38	-1,823.01	-5,236.95	6,276.47	6,226.04	50.43	124.456		
5,400.00	5,222.15	5,754.88	5,730.19	29.49	23.94	128.47	-1,820.68	-5,233.81	6,284.87	6,233.74	51.13	122.915		
5,500.00	5,318.34	5,800.00	5,775.14	30.06	24.16	128.57	-1,818.36	-5,230.68	6,294.40	6,242.54	51.86	121.379		
5,600.00	5,414.53	5,800.00	5,775.14	30.63	24.16	128.57	-1,818.36	-5,230.68	6,305.02	6,252.66	52.36	120.414		
5,700.00	5,510.73	5,853.24	5,828.25	31.20	24.39	128.69	-1,816.17	-5,227.72	6,316.55	6,263.44	53.11	118.935		
5,800.00	5,606.92	5,900.00	5,874.95	31.77	24.60	128.79	-1,814.73	-5,225.77	6,329.28	6,275.45	53.82	117.596		
5,900.00	5,703.11	5,900.00	5,874.95	32.34	24.60	128.79	-1,814.73	-5,225.77	6,343.05	6,288.75	54.30	116.822		
6,000.00	5,799.31	5,951.64	5,926.56	32.91	24.82	128.90	-1,813.66	-5,224.33	6,357.75	6,302.74	55.02	115.560		
6,100.00	5,895.50	6,000.00	5,974.91	33.48	25.02	129.00	-1,813.17	-5,223.67	6,373.63	6,317.92	55.72	114.395		
6,200.00	5,991.69	6,048.40	5,976.69	34.05	25.21	129.00	-1,813.10	-5,223.58	6,390.40	6,334.04	56.36	113.379		
6,300.00	6,087.89	6,097.98	6,072.89	34.62	25.41	129.19	-1,813.10	-5,223.58	6,408.04	6,350.94	57.10	112.231		
6,400.00	6,184.08	6,194.17	6,169.08	35.19	25.79	129.37	-1,813.10	-5,223.58	6,425.74	6,367.72	58.02	110.744		
6,500.00	6,280.27	6,290.36	6,265.27	35.77	26.18	129.56	-1,813.10	-5,223.58	6,443.51	6,384.56	58.95	109.306		
6,535.30	6,314.23	6,324.32	6,299.23	35.97	26.31	129.62	-1,813.10	-5,223.58	6,449.80	6,390.53	59.28	108.810		
6,550.00	6,328.40	6,338.49	6,313.40	36.05	26.37	126.25	-1,813.10	-5,223.58	6,452.26	6,392.85	59.41	108.604		
6,600.00	6,377.01	6,387.10	6,362.01	36.31	26.56	111.17	-1,813.10	-5,223.58	6,458.12	6,398.26	59.86	107.884		
6,650.00	6,426.00	6,400.00	6,374.90	36.54	26.61	90.20	-1,813.97	-5,223.58	6,460.30	6,400.20	60.10	107.493		
6,700.00	6,475.08	6,427.94	6,402.77	36.73	26.70	67.34	-1,815.82	-5,223.58	6,458.75	6,398.37	60.38	106.974		
6,750.00	6,523.94	6,454.18	6,428.88	36.90	26.79	48.67	-1,818.47	-5,223.58	6,453.49	6,392.87	60.62	106.467		
6,800.00	6,572.28	6,480.28	6,454.73	37.05	26.87	35.79	-1,822.00	-5,223.58	6,444.54	6,383.72	60.82	105.953		
6,850.00	6,619.81	6,500.00	6,474.19	37.19	26.94	27.17	-1,825.26	-5,223.58	6,431.97	6,370.99	60.98	105.476		
6,900.00	6,666.23	6,531.11	6,504.68	37.32	27.03	21.20	-1,831.40	-5,223.58	6,415.82	6,354.66	61.16	104.905		
6,950.00	6,711.25	6,555.42	6,528.32	37.46	27.10	16.86	-1,837.07	-5,223.58	6,396.19	6,334.90	61.29	104.360		
7,000.00	6,754.60	6,578.73	6,550.80	37.61	27.16	13.55	-1,843.21	-5,223.58	6,373.20	6,311.80	61.40	103.794		
7,050.00	6,796.01	6,600.00	6,571.15	37.77	27.23	10.89	-1,849.40	-5,223.58	6,346.96	6,285.46	61.49	103.213		
7,100.00	6,835.22	6,621.68	6,591.70	37.94	27.28	8.64	-1,856.30	-5,223.58	6,317.62	6,256.05	61.57	102.607		
7,150.00	6,871.99	6,641.04	6,609.88	38.12	27.32	6.64	-1,862.94	-5,223.58	6,285.35	6,223.72	61.63	101.984		
7,200.00	6,906.10	6,658.83	6,626.44	38.34	27.37	4.77	-1,869.46	-5,223.59	6,250.32	6,188.65	61.68	101.338		
7,250.00	6,937.34	6,674.97	6,641.33	38.57	27.41	2.91	-1,875.70	-5,223.59	6,212.74	6,151.03	61.71	100.669		
7,300.00	6,965.51	6,700.00	6,664.14	38.84	27.47	0.88	-1,886.00	-5,223.59	6,172.83	6,111.04	61.79	99.901		
7,350.00	6,990.44	6,700.00	6,664.14	39.14	27.47	-1.24	-1,886.00	-5,223.59	6,130.76	6,069.01	61.75	99.278		
7,400.00	7,011.97	6,700.00	6,664.14	39.47	27.47	-3.77	-1,886.00	-5,223.59	6,086.86	6,025.14	61.72	98.623		
7,450.00	7,029.98	6,721.81	6,683.73	39.85	27.51	-7.33	-1,895.58	-5,223.59	6,041.27	5,979.49	61.79	97.776		
7,500.00	7,044.34	6,728.90	6,690.05	40.26	27.53	-12.13	-1,898.81	-5,223.59	5,994.35	5,932.55	61.80	97.003		
7,550.00	7,054.99	6,734.11	6,694.66	40.72	27.54	-19.49	-1,901.23	-5,223.59	5,946.33	5,884.53	61.80	96.214		
7,600.00	7,061.83	6,737.43	6,697.59	41.21	27.54	-31.95	-1,902.78	-5,223.59	5,897.50	5,835.69	61.81	95.409		
7,650.00	7,064.85	6,738.85	6,698.84	41.73	27.55	-54.34	-1,903.45	-5,223.59	5,848.16	5,786.33	61.83	94.592		
7,661.89	7,065.00	6,738.91	6,698.89	41.86	27.55	-61.58	-1,903.47	-5,223.59	5,836.38	5,774.55	61.83	94.395		
7,700.00	7,065.13	6,738.92	6,698.91	42.28	27.55	-61.58	-1,903.48	-5,223.59	5,798.61	5,736.77	61.84	93.767		
7,800.00	7,065.47	6,738.95	6,698.93	43.53	27.55	-61.58	-1,903.49	-5,223.59	5,699.54	5,637.66	61.87	92.115		
7,900.00	7,065.82	6,738.98	6,698.96	44.94	27.55	-61.59	-1,903.51	-5,223.59	5,600.49	5,538.58	61.91	90.456		
8,000.00	7,066.16	6,739.01	6,698.99	46.50	27.55	-61.59	-1,903.52	-5,223.59	5,501.48	5,439.52	61.96	88.789		
8,100.00	7,066.50	6,739.05	6,699.02	48.19	27.55	-61.59	-1,903.54	-5,223.59	5,402.51	5,340.49	62.02	87.114		
8,200.00	7,066.85	6,739.08	6,699.05	50.00	27.55	-61.59	-1,903.55	-5,223.59	5,303.58	5,241.50	62.08	85.431		
8,300.00	7,067.19	6,739.11	6,699.07	51.91	27.55	-61.60	-1,903.57	-5,223.59	5,204.68	5,142.53	62.15	83.740		
8,400.00	7,067.54	6,739.14	6,699.10	53.92	27.55	-61.60	-1,903.58	-5,223.59	5,105.83	5,043.60	62.24	82.041		
8,500.00	7,067.88	6,739.17	6,699.13	56.01	27.55	-61.60	-1,903.60	-5,223.59	5,007.03	4,944.70	62.33	80.333		
8,600.00	7,068.22	6,739.20	6,699.16	58.16	27.55	-61.60	-1,903.61	-5,223.59	4,908.27	4,845.84	62.43	78.616		
8,700.00	7,068.57	6,739.24	6,699.19	60.38	27.55	-61.61	-1,903.63	-5,223.59	4,809.57	4,747.02	62.55	76.890		
8,800.00	7,068.91	6,739.27	6,699.21	62.65	27.55	-61.61	-1,903.64	-5,223.59	4,710.92	4,648.24	62.68	75.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	6,739.30	6,699.24	64.97	27.55	-61.61	-1,903.66	-5,223.59	4,612.33	4,549.50	62.83	73.409		
9,000.00	7,069.60	6,739.33	6,699.27	67.34	27.55	-61.61	-1,903.67	-5,223.59	4,513.80	4,450.80	62.99	71.655		
9,100.00	7,069.94	6,739.36	6,699.30	69.74	27.55	-61.62	-1,903.69	-5,223.59	4,415.33	4,352.16	63.17	69.891		
9,200.00	7,070.28	6,739.39	6,699.32	72.18	27.55	-61.62	-1,903.70	-5,223.59	4,316.94	4,253.57	63.38	68.117		
9,300.00	7,070.63	6,739.43	6,699.35	74.65	27.55	-61.62	-1,903.72	-5,223.59	4,218.62	4,155.03	63.60	66.332		
9,400.00	7,070.97	6,739.46	6,699.38	77.15	27.55	-61.62	-1,903.73	-5,223.59	4,120.39	4,056.54	63.84	64.538		
9,500.00	7,071.32	6,739.49	6,699.41	79.67	27.55	-61.62	-1,903.75	-5,223.59	4,022.24	3,958.12	64.12	62.733		
9,600.00	7,071.66	6,739.52	6,699.44	82.22	27.55	-61.63	-1,903.76	-5,223.59	3,924.18	3,859.76	64.42	60.919		
9,700.00	7,072.00	6,739.55	6,699.46	84.78	27.55	-61.63	-1,903.78	-5,223.59	3,826.23	3,761.48	64.75	59.094		
9,800.00	7,072.35	6,739.58	6,699.49	87.37	27.55	-61.63	-1,903.79	-5,223.59	3,728.38	3,663.26	65.11	57.259		
9,900.00	7,072.69	6,739.61	6,699.52	89.97	27.55	-61.63	-1,903.81	-5,223.59	3,630.65	3,565.13	65.52	55.414		
10,000.00	7,073.03	6,739.65	6,699.55	92.59	27.55	-61.64	-1,903.82	-5,223.59	3,533.05	3,467.08	65.96	53.559		
10,100.00	7,073.38	6,739.68	6,699.57	95.22	27.55	-61.64	-1,903.84	-5,223.59	3,435.58	3,369.12	66.46	51.696		
10,200.00	7,073.72	6,739.71	6,699.60	97.86	27.55	-61.64	-1,903.85	-5,223.59	3,338.27	3,271.27	67.00	49.825		
10,300.00	7,074.07	6,739.74	6,699.63	100.52	27.55	-61.64	-1,903.87	-5,223.59	3,241.12	3,173.52	67.60	47.946		
10,400.00	7,074.41	6,739.77	6,699.66	103.19	27.55	-61.65	-1,903.88	-5,223.59	3,144.14	3,075.88	68.26	46.060		
10,500.00	7,074.75	6,739.80	6,699.68	105.87	27.55	-61.65	-1,903.90	-5,223.59	3,047.37	2,978.37	68.99	44.169		
10,600.00	7,075.10	6,739.83	6,699.71	108.55	27.55	-61.65	-1,903.91	-5,223.59	2,950.80	2,881.00	69.80	42.274		
10,700.00	7,075.44	6,739.86	6,699.74	111.25	27.55	-61.65	-1,903.93	-5,223.59	2,854.48	2,783.78	70.70	40.376		
10,800.00	7,075.78	6,739.89	6,699.77	113.96	27.55	-61.65	-1,903.94	-5,223.59	2,758.42	2,686.73	71.69	38.479		
10,900.00	7,076.13	6,739.93	6,699.79	116.67	27.55	-61.66	-1,903.95	-5,223.59	2,662.64	2,589.86	72.78	36.584		
11,000.00	7,076.47	6,739.96	6,699.82	119.39	27.55	-61.66	-1,903.97	-5,223.59	2,567.19	2,493.19	74.00	34.693		
11,100.00	7,076.81	6,739.99	6,699.85	122.11	27.55	-61.66	-1,903.98	-5,223.59	2,472.10	2,396.75	75.34	32.811		
11,200.00	7,077.16	6,740.02	6,699.88	124.85	27.55	-61.66	-1,904.00	-5,223.59	2,377.41	2,300.57	76.84	30.940		
11,300.00	7,077.50	6,740.05	6,699.90	127.58	27.55	-61.67	-1,904.01	-5,223.59	2,283.17	2,204.67	78.50	29.085		
11,400.00	7,077.85	6,740.08	6,699.93	130.33	27.55	-61.67	-1,904.03	-5,223.59	2,189.45	2,109.10	80.35	27.250		
11,500.00	7,078.19	6,740.11	6,699.96	133.08	27.55	-61.67	-1,904.04	-5,223.59	2,096.30	2,013.90	82.40	25.439		
11,600.00	7,078.53	6,740.14	6,699.99	135.83	27.55	-61.67	-1,904.06	-5,223.59	2,003.82	1,919.12	84.70	23.659		
11,700.00	7,078.88	6,740.17	6,700.01	138.59	27.55	-61.67	-1,904.07	-5,223.59	1,912.09	1,824.84	87.26	21.914		
11,800.00	7,079.22	6,740.20	6,700.04	141.35	27.55	-61.68	-1,904.09	-5,223.59	1,821.24	1,731.12	90.11	20.211		
11,900.00	7,079.56	6,740.24	6,700.07	144.11	27.55	-61.68	-1,904.10	-5,223.59	1,731.39	1,638.08	93.31	18.556		
12,000.00	7,079.91	6,740.27	6,700.09	146.88	27.55	-61.68	-1,904.12	-5,223.59	1,642.72	1,545.83	96.88	16.956		
12,100.00	7,080.25	6,740.30	6,700.12	149.66	27.55	-61.68	-1,904.13	-5,223.59	1,555.42	1,454.53	100.89	15.418		
12,200.00	7,080.60	6,740.33	6,700.15	152.43	27.55	-61.69	-1,904.15	-5,223.59	1,469.74	1,364.37	105.37	13.948		
12,300.00	7,080.94	6,740.36	6,700.18	155.21	27.55	-61.69	-1,904.16	-5,223.59	1,385.98	1,275.59	110.39	12.556		
12,400.00	7,081.28	6,740.39	6,700.20	157.99	27.55	-61.69	-1,904.17	-5,223.59	1,304.50	1,188.51	115.99	11.246		
12,500.00	7,081.63	6,740.42	6,700.23	160.78	27.55	-61.69	-1,904.19	-5,223.59	1,225.78	1,103.54	122.24	10.027		
12,600.00	7,081.97	6,740.45	6,700.26	163.57	27.55	-61.70	-1,904.20	-5,223.59	1,150.37	1,021.20	129.17	8.906		
12,700.00	7,082.31	6,740.48	6,700.28	166.36	27.55	-61.70	-1,904.22	-5,223.59	1,078.96	942.18	136.77	7.889		
12,800.00	7,082.66	6,740.51	6,700.31	169.15	27.55	-61.70	-1,904.23	-5,223.59	1,012.40	867.37	145.02	6.981		
12,900.00	7,083.00	6,740.54	6,700.34	171.94	27.55	-61.70	-1,904.25	-5,223.59	951.71	797.92	153.79	6.188		
13,000.00	7,083.35	6,740.57	6,700.36	174.74	27.55	-61.70	-1,904.26	-5,223.59	898.09	735.26	162.82	5.516		
13,100.00	7,083.69	6,740.60	6,700.39	177.54	27.55	-61.71	-1,904.28	-5,223.59	852.86	681.12	171.74	4.966		
13,200.00	7,084.03	6,740.63	6,700.42	180.34	27.55	-61.71	-1,904.29	-5,223.59	817.42	637.44	179.98	4.542		
13,300.00	7,084.38	6,740.67	6,700.45	183.14	27.55	-61.71	-1,904.30	-5,223.59	793.08	606.18	186.89	4.243		
13,400.00	7,084.72	6,740.70	6,700.47	185.95	27.55	-61.71	-1,904.32	-5,223.59	780.88	589.04	191.84	4.070		
13,445.98	7,084.88	6,740.71	6,700.48	187.24	27.55	-61.71	-1,904.33	-5,223.59	779.53	586.21	193.32	4.032 CC, ES		
13,500.00	7,085.06	6,740.73	6,700.50	188.76	27.55	-61.72	-1,904.34	-5,223.59	781.40	587.03	194.37	4.020 SF		
13,600.00	7,085.41	6,740.76	6,700.53	191.56	27.55	-61.72	-1,904.35	-5,223.59	794.60	600.25	194.34	4.089		
13,700.00	7,085.75	6,740.79	6,700.55	194.37	27.55	-61.72	-1,904.36	-5,223.59	819.87	627.88	191.99	4.270		
13,800.00	7,086.09	6,740.82	6,700.58	197.18	27.55	-61.72	-1,904.38	-5,223.59	856.15	668.35	187.80	4.559		
13,900.00	7,086.44	6,740.85	6,700.61	200.00	27.55	-61.72	-1,904.39	-5,223.59	902.11	719.76	182.35	4.947		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 1500-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	6,740.88	6,700.63	202.81	27.55	-61.73	-1,904.41	-5,223.59	956.35	780.15	176.21	5.427		
14,100.00	7,087.13	6,740.91	6,700.66	205.63	27.55	-61.73	-1,904.42	-5,223.59	1,017.55	847.76	169.80	5.993		
14,200.00	7,087.47	6,740.94	6,700.69	208.44	27.55	-61.73	-1,904.43	-5,223.59	1,084.54	921.10	163.44	6.636		
14,300.00	7,087.81	6,740.97	6,700.71	211.26	27.55	-61.73	-1,904.45	-5,223.59	1,156.30	998.97	157.33	7.350		
14,400.00	7,088.16	6,741.00	6,700.74	214.08	27.55	-61.74	-1,904.46	-5,223.59	1,232.00	1,080.42	151.58	8.128		
14,500.00	7,088.50	6,741.03	6,700.77	216.90	27.55	-61.74	-1,904.48	-5,223.59	1,310.97	1,164.72	146.24	8.964		
14,600.00	7,088.84	6,741.06	6,700.79	219.72	27.55	-61.74	-1,904.49	-5,223.59	1,392.64	1,251.30	141.33	9.854		
14,700.00	7,089.19	6,741.09	6,700.82	222.54	27.55	-61.74	-1,904.51	-5,223.59	1,476.56	1,339.73	136.83	10.791		
14,800.00	7,089.53	6,741.12	6,700.85	225.37	27.55	-61.74	-1,904.52	-5,223.59	1,562.38	1,429.66	132.72	11.772		
14,900.00	7,089.88	6,741.15	6,700.87	228.19	27.55	-61.75	-1,904.53	-5,223.59	1,649.80	1,520.83	128.98	12.791		
15,000.00	7,090.22	6,741.18	6,700.90	231.02	27.55	-61.75	-1,904.55	-5,223.59	1,738.58	1,613.02	125.56	13.847		
15,100.00	7,090.56	6,741.21	6,700.93	233.84	27.55	-61.75	-1,904.56	-5,223.59	1,828.51	1,706.07	122.44	14.934		
15,200.00	7,090.91	6,741.24	6,700.95	236.67	27.55	-61.75	-1,904.58	-5,223.59	1,919.44	1,799.85	119.60	16.049		
15,227.29	7,091.00	6,741.25	6,700.96	237.44	27.55	-61.75	-1,904.58	-5,223.59	1,944.41	1,825.55	118.86	16.359		
15,300.00	7,091.25	6,741.49	6,701.17	239.49	27.55	-63.29	-1,904.69	-5,223.59	2,010.91	1,893.98	116.94	17.196		
15,326.57	7,091.35	6,741.68	6,701.34	240.24	27.55	-63.83	-1,904.79	-5,223.59	2,035.16	1,918.92	116.24	17.509		
15,400.00	7,091.60	6,742.30	6,701.89	242.30	27.55	-63.87	-1,905.08	-5,223.59	2,102.33	1,987.96	114.37	18.382		
15,500.00	7,091.96	6,743.15	6,702.63	245.12	27.55	-63.93	-1,905.48	-5,223.59	2,194.45	2,082.45	112.00	19.593		
15,600.00	7,092.31	6,744.00	6,703.37	247.93	27.56	-63.99	-1,905.89	-5,223.59	2,287.24	2,177.41	109.83	20.826		
15,700.00	7,092.66	6,744.85	6,704.12	250.75	27.56	-64.05	-1,906.30	-5,223.59	2,380.60	2,272.78	107.83	22.078		
15,800.00	7,093.01	6,745.70	6,704.87	253.56	27.56	-64.11	-1,906.71	-5,223.59	2,474.49	2,368.51	105.98	23.348		
15,900.00	7,093.36	6,746.56	6,705.62	256.38	27.56	-64.17	-1,907.12	-5,223.59	2,568.83	2,464.56	104.28	24.634		
16,000.00	7,093.71	6,747.42	6,706.38	259.20	27.56	-64.22	-1,907.53	-5,223.59	2,663.59	2,560.89	102.70	25.935		
16,100.00	7,094.07	6,748.28	6,707.13	262.02	27.56	-64.28	-1,907.95	-5,223.59	2,758.72	2,657.47	101.24	27.248		
16,200.00	7,094.42	6,749.14	6,707.89	264.84	27.57	-64.34	-1,908.36	-5,223.59	2,854.18	2,754.29	99.89	28.573		
16,300.00	7,094.77	6,750.01	6,708.65	267.65	27.57	-64.40	-1,908.78	-5,223.59	2,949.94	2,851.30	98.64	29.907		
16,400.00	7,095.12	6,750.88	6,709.41	270.47	27.57	-64.46	-1,909.21	-5,223.59	3,045.97	2,948.50	97.47	31.250		
16,500.00	7,095.47	6,751.76	6,710.17	273.30	27.57	-64.52	-1,909.63	-5,223.59	3,142.25	3,045.87	96.38	32.601		
16,600.00	7,095.82	6,752.63	6,710.94	276.12	27.57	-64.58	-1,910.06	-5,223.59	3,238.76	3,143.39	95.37	33.959		
16,700.00	7,096.18	6,753.51	6,711.71	278.94	27.57	-64.64	-1,910.49	-5,223.59	3,335.47	3,241.04	94.43	35.323		
16,800.00	7,096.53	6,754.39	6,712.47	281.76	27.58	-64.70	-1,910.92	-5,223.59	3,432.36	3,338.82	93.55	36.692		
16,900.00	7,096.88	6,755.28	6,713.24	284.58	27.58	-64.76	-1,911.35	-5,223.59	3,529.44	3,436.71	92.72	38.065		
17,000.00	7,097.23	6,756.16	6,714.02	287.41	27.58	-64.82	-1,911.79	-5,223.59	3,626.67	3,534.71	91.95	39.441		
17,100.00	7,097.58	6,757.05	6,714.79	290.23	27.58	-64.88	-1,912.22	-5,223.59	3,724.04	3,632.81	91.23	40.821		
17,200.00	7,097.93	6,757.95	6,715.57	293.06	27.58	-64.94	-1,912.66	-5,223.59	3,821.55	3,731.00	90.55	42.203		
17,300.00	7,098.29	6,758.84	6,716.35	295.88	27.59	-65.01	-1,913.11	-5,223.59	3,919.19	3,829.27	89.92	43.586		
17,400.00	7,098.64	6,759.74	6,717.13	298.71	27.59	-65.07	-1,913.55	-5,223.59	4,016.94	3,927.62	89.32	44.971		
17,500.00	7,098.99	6,760.64	6,717.91	301.53	27.59	-65.13	-1,914.00	-5,223.59	4,114.80	4,026.04	88.76	46.357		
17,600.00	7,099.34	6,761.55	6,718.69	304.36	27.59	-65.19	-1,914.45	-5,223.59	4,212.76	4,124.52	88.24	47.743		
17,700.00	7,099.69	6,762.45	6,719.48	307.19	27.59	-65.25	-1,914.90	-5,223.59	4,310.81	4,223.07	87.75	49.129		
17,800.00	7,100.04	6,763.36	6,720.27	310.01	27.59	-65.31	-1,915.35	-5,223.59	4,408.95	4,321.67	87.28	50.514		
17,900.00	7,100.40	6,764.27	6,721.06	312.84	27.60	-65.38	-1,915.81	-5,223.59	4,507.17	4,420.33	86.85	51.899		
18,000.00	7,100.75	6,765.19	6,721.85	315.67	27.60	-65.44	-1,916.27	-5,223.59	4,605.47	4,519.04	86.43	53.283		
18,100.00	7,101.10	6,766.11	6,722.65	318.50	27.60	-65.50	-1,916.73	-5,223.59	4,703.84	4,617.79	86.05	54.665		
18,200.00	7,101.45	6,767.03	6,723.44	321.33	27.60	-65.56	-1,917.20	-5,223.59	4,802.28	4,716.59	85.68	56.046		
18,300.00	7,101.80	6,767.96	6,724.24	324.16	27.60	-65.63	-1,917.66	-5,223.59	4,900.78	4,815.43	85.34	57.426		
18,400.00	7,102.16	6,768.88	6,725.04	326.99	27.61	-65.69	-1,918.13	-5,223.59	4,999.33	4,914.32	85.02	58.803		
18,500.00	7,102.51	6,769.81	6,725.84	329.82	27.61	-65.75	-1,918.60	-5,223.59	5,097.95	5,013.23	84.72	60.177		
18,600.00	7,102.86	6,770.75	6,726.65	332.65	27.61	-65.82	-1,919.08	-5,223.59	5,196.62	5,112.19	84.43	61.550		
18,700.00	7,103.21	6,771.68	6,727.45	335.48	27.61	-65.88	-1,919.55	-5,223.59	5,295.33	5,211.17	84.16	62.920		
18,800.00	7,103.56	6,772.62	6,728.26	338.31	27.61	-65.94	-1,920.03	-5,223.59	5,394.10	5,310.19	83.91	64.287		
18,900.00	7,103.91	6,773.57	6,729.07	341.14	27.62	-66.01	-1,920.51	-5,223.59	5,492.90	5,409.23	83.67	65.651		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #15U-203(PR) - OH - OH											Offset Site Error:	0.00 ft
Survey Program:	1500-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
18,924.52	7,104.00	6,773.80	6,729.27	341.83	27.62	-66.02	-1,920.63	-5,223.59	5,517.13	5,433.52	83.61	65.985	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-110.39	-2,093.03	-5,632.25	6,008.58					
100.00	100.00	85.00	85.00	3.28	3.29	-110.39	-2,093.03	-5,632.25	6,008.58	6,002.01	6.57	914.547		
200.00	200.00	185.00	185.00	3.34	3.31	-110.39	-2,093.03	-5,632.25	6,008.58	6,001.93	6.64	904.624		
300.00	299.98	284.98	284.98	3.44	3.34	116.62	-2,093.03	-5,632.25	6,009.36	6,002.58	6.78	886.397		
400.00	399.84	384.84	384.84	3.59	3.39	116.62	-2,093.03	-5,632.25	6,011.70	6,004.73	6.98	861.394		
500.00	499.45	484.45	484.45	3.80	3.45	116.62	-2,093.03	-5,632.25	6,015.62	6,008.38	7.24	830.847		
600.00	598.70	583.70	583.70	4.04	3.52	116.63	-2,093.03	-5,632.25	6,021.12	6,013.56	7.56	796.605		
700.00	697.47	682.47	682.47	4.32	3.61	116.63	-2,093.03	-5,632.25	6,028.20	6,020.27	7.93	760.278		
800.00	795.62	780.62	780.62	4.65	3.70	116.63	-2,093.03	-5,632.25	6,036.88	6,028.53	8.35	723.146		
900.00	893.06	878.06	878.06	5.02	3.80	116.64	-2,093.03	-5,632.25	6,047.18	6,038.36	8.81	686.148		
993.00	982.91	967.91	967.91	5.39	3.91	116.63	-2,093.03	-5,632.25	6,058.21	6,048.93	9.29	652.438		
1,000.00	989.65	974.65	974.65	5.42	3.92	116.65	-2,093.03	-5,632.25	6,059.10	6,049.78	9.32	649.874		
1,100.00	1,085.84	1,070.84	1,070.84	5.86	4.03	116.87	-2,093.03	-5,632.25	6,071.79	6,061.92	9.87	615.358		
1,200.00	1,182.03	1,167.03	1,167.03	6.32	4.16	117.10	-2,093.03	-5,632.25	6,084.57	6,074.14	10.44	582.889		
1,300.00	1,278.22	1,263.22	1,263.22	6.79	4.29	117.32	-2,093.03	-5,632.25	6,097.46	6,086.42	11.03	552.639		
1,400.00	1,374.42	1,359.42	1,359.42	7.28	4.43	117.54	-2,093.03	-5,632.25	6,110.43	6,098.79	11.65	524.624		
1,500.00	1,470.61	1,455.61	1,455.61	7.79	4.58	117.76	-2,093.03	-5,632.25	6,123.50	6,111.23	12.28	498.766		
1,600.00	1,566.80	1,551.80	1,551.80	8.30	4.73	117.98	-2,093.03	-5,632.25	6,136.67	6,123.75	12.92	474.938		
1,700.00	1,663.00	1,648.00	1,648.00	8.82	4.88	118.20	-2,093.03	-5,632.25	6,149.93	6,136.35	13.58	452.992		
1,800.00	1,759.19	1,744.19	1,744.19	9.34	5.04	118.41	-2,093.03	-5,632.25	6,163.28	6,149.04	14.24	432.772		
1,900.00	1,855.38	1,840.38	1,840.38	9.87	5.20	118.63	-2,093.03	-5,632.25	6,176.72	6,161.81	14.92	414.125		
2,000.00	1,951.58	1,936.58	1,936.58	10.41	5.37	118.85	-2,093.03	-5,632.25	6,190.25	6,174.66	15.60	396.907		
2,100.00	2,047.77	2,043.36	2,043.36	10.95	5.63	119.09	-2,092.70	-5,632.31	6,203.85	6,187.47	16.38	378.729		
2,200.00	2,143.96	2,168.75	2,168.65	11.49	6.09	119.41	-2,088.14	-5,633.15	6,217.18	6,199.82	17.36	358.118		
2,300.00	2,240.16	2,291.02	2,290.52	12.04	6.55	119.76	-2,078.51	-5,634.94	6,230.21	6,211.86	18.35	339.586		
2,400.00	2,336.35	2,381.78	2,380.86	12.58	6.90	120.04	-2,069.87	-5,636.54	6,243.23	6,224.01	19.22	324.764		
2,500.00	2,432.54	2,475.39	2,474.02	13.13	7.27	120.33	-2,060.94	-5,638.20	6,256.43	6,236.30	20.12	310.912		
2,600.00	2,528.74	2,569.00	2,567.19	13.69	7.65	120.61	-2,052.01	-5,639.85	6,269.79	6,248.76	21.03	298.126		
2,700.00	2,624.93	2,662.61	2,660.36	14.24	8.04	120.89	-2,043.08	-5,641.51	6,283.32	6,261.38	21.95	286.306		
2,800.00	2,721.12	2,756.21	2,753.52	14.80	8.43	121.17	-2,034.15	-5,643.17	6,297.02	6,274.15	22.87	275.361		
2,900.00	2,817.32	2,849.82	2,846.69	15.35	8.83	121.45	-2,025.22	-5,644.82	6,310.89	6,287.09	23.80	265.209		
3,000.00	2,913.51	2,943.43	2,939.85	15.91	9.23	121.73	-2,016.29	-5,646.48	6,324.92	6,300.19	24.73	255.777		
3,100.00	3,009.70	3,037.04	3,033.02	16.47	9.64	122.01	-2,007.36	-5,648.14	6,339.12	6,313.45	25.66	246.996		
3,200.00	3,105.90	3,130.64	3,126.19	17.03	10.05	122.29	-1,998.43	-5,649.79	6,353.47	6,326.87	26.60	238.809		
3,300.00	3,202.09	3,224.25	3,219.35	17.59	10.46	122.56	-1,989.50	-5,651.45	6,368.00	6,340.45	27.55	231.160		
3,400.00	3,298.28	3,317.86	3,312.52	18.15	10.88	122.84	-1,980.57	-5,653.11	6,382.68	6,354.18	28.49	224.003		
3,500.00	3,394.48	3,411.47	3,405.68	18.72	11.30	123.11	-1,971.64	-5,654.76	6,397.52	6,368.08	29.44	217.295		
3,600.00	3,490.67	3,505.08	3,498.85	19.28	11.72	123.39	-1,962.71	-5,656.42	6,412.52	6,382.13	30.39	210.997		
3,700.00	3,586.86	3,601.32	3,592.02	19.84	12.15	123.66	-1,953.78	-5,658.07	6,427.68	6,396.32	31.35	204.998		
3,800.00	3,683.06	3,707.71	3,685.18	20.41	12.64	123.93	-1,944.85	-5,659.73	6,442.99	6,410.62	32.37	199.067		
3,900.00	3,779.25	3,785.90	3,778.35	20.97	12.99	124.20	-1,935.92	-5,661.39	6,458.46	6,425.21	33.25	194.239		
4,000.00	3,875.44	3,879.51	3,871.51	21.54	13.42	124.47	-1,926.99	-5,663.04	6,474.08	6,439.88	34.21	189.273		
4,100.00	3,971.64	3,973.11	3,964.68	22.11	13.85	124.73	-1,918.06	-5,664.70	6,489.86	6,454.70	35.16	184.576		
4,200.00	4,067.83	4,066.72	4,057.85	22.67	14.28	125.00	-1,909.13	-5,666.36	6,505.79	6,469.67	36.12	180.128		
4,300.00	4,164.02	4,160.33	4,151.01	23.24	14.71	125.26	-1,900.20	-5,668.01	6,521.87	6,484.79	37.07	175.912		
4,400.00	4,260.22	4,253.94	4,244.18	23.81	15.14	125.53	-1,891.27	-5,669.67	6,538.10	6,500.07	38.03	171.910		
4,500.00	4,356.41	4,347.54	4,337.34	24.37	15.57	125.79	-1,882.34	-5,671.33	6,554.48	6,515.49	38.99	168.106		
4,600.00	4,452.60	4,441.15	4,430.51	24.94	16.00	126.05	-1,873.41	-5,672.98	6,571.00	6,531.05	39.95	164.488		
4,700.00	4,548.79	4,534.76	4,523.68	25.51	16.44	126.31	-1,864.48	-5,674.64	6,587.67	6,546.77	40.91	161.043		
4,800.00	4,644.99	4,628.37	4,616.84	26.08	16.87	126.57	-1,855.55	-5,676.30	6,604.49	6,562.63	41.86	157.758		
4,900.00	4,741.18	4,721.97	4,710.01	26.65	17.31	126.82	-1,846.62	-5,677.95	6,621.45	6,578.63	42.82	154.624		
5,000.00	4,837.37	4,815.58	4,803.17	27.21	17.74	127.08	-1,837.69	-5,679.61	6,638.56	6,594.77	43.78	151.630		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,909.19	4,896.34	27.78	18.18	127.34	-1,828.76	-5,681.26	6,655.80	6,611.06	44.74	148.768		
5,200.00	5,029.76	5,009.56	4,996.32	28.35	18.64	127.60	-1,820.13	-5,682.86	6,673.16	6,627.43	45.73	145.932		
5,300.00	5,125.95	5,114.45	5,101.06	28.92	19.10	127.84	-1,814.69	-5,683.87	6,690.50	6,643.78	46.72	143.211		
5,400.00	5,222.15	5,220.56	5,207.15	29.49	19.55	128.06	-1,813.01	-5,684.19	6,707.78	6,660.08	47.70	140.634		
5,500.00	5,318.34	5,316.75	5,303.34	30.06	19.95	128.24	-1,813.01	-5,684.19	6,725.07	6,676.44	48.62	138.308		
5,600.00	5,414.53	5,412.94	5,399.53	30.63	20.35	128.41	-1,813.01	-5,684.19	6,742.42	6,692.86	49.55	136.070		
5,700.00	5,510.73	5,509.14	5,495.73	31.20	20.75	128.59	-1,813.01	-5,684.19	6,759.83	6,709.35	50.48	133.917		
5,800.00	5,606.92	5,605.33	5,591.92	31.77	21.15	128.77	-1,813.01	-5,684.19	6,777.31	6,725.91	51.40	131.842		
5,900.00	5,703.11	5,701.52	5,688.11	32.34	21.55	128.94	-1,813.01	-5,684.19	6,794.86	6,742.53	52.33	129.843		
6,000.00	5,799.31	5,797.72	5,784.31	32.91	21.95	129.12	-1,813.01	-5,684.19	6,812.47	6,759.21	53.26	127.915		
6,100.00	5,895.50	5,893.91	5,880.50	33.48	22.35	129.29	-1,813.01	-5,684.19	6,830.15	6,775.96	54.18	126.054		
6,200.00	5,991.69	5,990.10	5,976.69	34.05	22.76	129.46	-1,813.01	-5,684.19	6,847.89	6,792.78	55.11	124.257		
6,300.00	6,087.89	6,086.30	6,072.89	34.62	23.16	129.64	-1,813.01	-5,684.19	6,865.69	6,809.65	56.04	122.522		
6,400.00	6,184.08	6,182.49	6,169.08	35.19	23.56	129.81	-1,813.01	-5,684.19	6,883.55	6,826.59	56.96	120.844		
6,500.00	6,280.27	6,278.68	6,265.27	35.77	23.96	129.98	-1,813.01	-5,684.19	6,901.48	6,843.59	57.89	119.221		
6,535.30	6,314.23	6,312.64	6,299.23	35.97	24.10	130.04	-1,813.01	-5,684.19	6,907.82	6,849.61	58.21	118.661		
6,550.00	6,328.40	6,326.81	6,313.40	36.05	24.16	126.66	-1,813.01	-5,684.19	6,910.30	6,851.95	58.35	118.429		
6,600.00	6,377.01	6,375.42	6,362.01	36.31	24.37	111.57	-1,813.01	-5,684.19	6,916.23	6,857.43	58.80	117.622		
6,650.00	6,426.00	6,424.41	6,411.00	36.54	24.57	90.67	-1,813.01	-5,684.19	6,918.29	6,859.06	59.23	116.799		
6,700.00	6,475.08	6,473.49	6,460.08	36.73	24.78	67.85	-1,813.01	-5,684.19	6,916.46	6,856.82	59.64	115.976		
6,750.00	6,523.94	6,522.35	6,509.94	36.90	24.98	49.24	-1,813.01	-5,684.19	6,910.74	6,850.73	60.01	115.160		
6,800.00	6,572.28	6,570.69	6,557.28	37.05	25.18	36.42	-1,813.01	-5,684.19	6,901.18	6,840.83	60.35	114.348		
6,850.00	6,619.81	6,618.22	6,604.81	37.19	25.14	27.78	-1,815.43	-5,684.19	6,888.25	6,827.86	60.39	114.059		
6,900.00	6,666.23	6,664.64	6,651.23	37.32	25.27	21.85	-1,818.83	-5,684.19	6,871.61	6,811.00	60.61	113.380		
6,950.00	6,711.25	6,709.66	6,696.25	37.46	25.27	17.55	-1,818.83	-5,684.19	6,851.51	6,790.86	60.65	112.971		
7,000.00	6,754.60	6,753.01	6,739.60	37.61	25.40	14.29	-1,824.93	-5,684.18	6,827.97	6,767.13	60.84	112.230		
7,050.00	6,796.01	6,794.42	6,781.01	37.77	25.47	11.68	-1,829.29	-5,684.18	6,801.22	6,740.27	60.95	111.595		
7,100.00	6,835.22	6,833.63	6,820.22	37.94	25.58	9.47	-1,837.61	-5,684.18	6,771.40	6,710.30	61.10	110.830		
7,150.00	6,871.99	6,870.40	6,857.99	38.12	25.58	7.57	-1,837.61	-5,684.18	6,738.60	6,677.51	61.09	110.309		
7,200.00	6,906.10	6,904.51	6,891.10	38.34	25.65	5.77	-1,844.08	-5,684.18	6,703.08	6,641.92	61.17	109.589		
7,250.00	6,937.34	6,935.75	6,922.34	38.57	25.70	4.01	-1,849.07	-5,684.18	6,665.02	6,603.81	61.21	108.886		
7,300.00	6,965.51	6,963.92	6,950.51	38.84	25.74	2.15	-1,853.85	-5,684.18	6,624.64	6,563.39	61.25	108.163		
7,350.00	6,990.44	6,988.85	6,975.44	39.14	25.78	0.07	-1,858.30	-5,684.18	6,582.16	6,520.88	61.27	107.420		
7,400.00	7,011.97	7,010.38	6,997.97	39.47	25.81	-2.44	-1,862.30	-5,684.18	6,537.83	6,476.53	61.30	106.659		
7,450.00	7,029.98	7,028.39	7,015.98	39.85	25.86	-5.83	-1,869.04	-5,684.18	6,491.92	6,430.57	61.35	105.818		
7,500.00	7,044.34	7,042.75	7,029.34	40.26	25.86	-10.46	-1,869.04	-5,684.18	6,444.66	6,383.33	61.33	105.077		
7,550.00	7,054.99	7,053.40	7,040.99	40.72	25.86	-17.83	-1,869.04	-5,684.18	6,396.38	6,335.06	61.32	104.309		
7,600.00	7,061.83	7,060.24	7,047.83	41.21	25.86	-31.14	-1,869.04	-5,684.18	6,347.33	6,286.02	61.32	103.514		
7,650.00	7,064.85	7,063.26	7,050.85	41.73	25.86	-57.21	-1,869.04	-5,684.18	6,297.83	6,236.50	61.33	102.695		
7,661.89	7,065.00	7,063.41	7,050.00	41.86	25.86	-65.92	-1,869.04	-5,684.18	6,286.02	6,224.69	61.33	102.496		
7,700.00	7,065.13	7,063.54	7,051.13	42.28	25.86	-65.92	-1,869.04	-5,684.18	6,248.16	6,186.82	61.34	101.860		
7,800.00	7,065.47	7,063.88	7,051.47	43.53	25.86	-65.92	-1,869.04	-5,684.18	6,148.83	6,087.45	61.37	100.187		
7,900.00	7,065.82	7,064.23	7,051.82	44.94	25.86	-65.92	-1,869.04	-5,684.18	6,049.52	5,988.10	61.41	98.508		
8,000.00	7,066.16	7,064.57	7,052.16	46.50	25.86	-65.92	-1,869.04	-5,684.18	5,950.23	5,888.77	61.46	96.821		
8,100.00	7,066.50	7,064.91	7,052.50	48.19	25.86	-65.92	-1,869.04	-5,684.18	5,850.97	5,789.46	61.51	95.128		
8,200.00	7,066.85	7,065.26	7,052.85	50.00	25.86	-65.92	-1,869.04	-5,684.18	5,751.73	5,690.17	61.56	93.427		
8,300.00	7,067.19	7,065.60	7,053.19	51.91	25.86	-65.92	-1,869.04	-5,684.18	5,652.53	5,590.90	61.63	91.720		
8,400.00	7,067.54	7,065.95	7,053.54	53.92	25.86	-65.92	-1,869.04	-5,684.18	5,553.34	5,491.64	61.70	90.005		
8,500.00	7,067.88	7,066.29	7,053.88	56.01	25.86	-65.92	-1,869.04	-5,684.18	5,454.19	5,392.41	61.78	88.282		
8,600.00	7,068.22	7,066.63	7,054.22	58.16	25.86	-65.92	-1,869.04	-5,684.18	5,355.08	5,293.20	61.87	86.552		
8,700.00	7,068.57	7,066.98	7,054.57	60.38	25.86	-65.92	-1,869.04	-5,684.18	5,255.99	5,194.02	61.97	84.814		
8,800.00	7,068.91	7,067.32	7,054.91	62.65	25.86	-65.92	-1,869.04	-5,684.18	5,156.94	5,094.86	62.08	83.069		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	6,800.00	6,779.36	64.97	25.86	-65.92	-1,869.04	-5,684.18	5,057.93	4,995.73	62.20	81.315		
9,000.00	7,069.60	6,800.00	6,779.36	67.34	25.86	-65.92	-1,869.04	-5,684.18	4,958.95	4,896.62	62.34	79.553		
9,100.00	7,069.94	6,800.00	6,779.36	69.74	25.86	-65.92	-1,869.04	-5,684.18	4,860.02	4,797.54	62.48	77.782		
9,200.00	7,070.28	6,800.00	6,779.36	72.18	25.86	-65.92	-1,869.04	-5,684.18	4,761.14	4,698.49	62.64	76.003		
9,300.00	7,070.63	6,800.00	6,779.36	74.65	25.86	-65.92	-1,869.04	-5,684.18	4,662.30	4,599.48	62.82	74.216		
9,400.00	7,070.97	6,800.00	6,779.36	77.15	25.86	-65.92	-1,869.04	-5,684.18	4,563.51	4,500.49	63.01	72.420		
9,500.00	7,071.32	6,800.00	6,779.36	79.67	25.86	-65.92	-1,869.04	-5,684.18	4,464.78	4,401.55	63.23	70.614		
9,600.00	7,071.66	6,800.00	6,779.36	82.22	25.86	-65.92	-1,869.04	-5,684.18	4,366.10	4,302.64	63.46	68.800		
9,700.00	7,072.00	6,800.00	6,779.36	84.78	25.86	-65.92	-1,869.04	-5,684.18	4,267.48	4,203.77	63.72	66.978		
9,800.00	7,072.35	6,800.00	6,779.36	87.37	25.86	-65.92	-1,869.04	-5,684.18	4,168.93	4,104.94	63.99	65.146		
9,900.00	7,072.69	6,800.00	6,779.36	89.97	25.86	-65.92	-1,869.04	-5,684.18	4,070.46	4,006.16	64.30	63.305		
10,000.00	7,073.03	6,800.00	6,779.36	92.59	25.86	-65.92	-1,869.04	-5,684.18	3,972.05	3,907.42	64.63	61.455		
10,100.00	7,073.38	6,800.00	6,779.36	95.22	25.86	-65.92	-1,869.04	-5,684.18	3,873.73	3,808.73	65.00	59.597		
10,200.00	7,073.72	6,800.00	6,779.36	97.86	25.86	-65.92	-1,869.04	-5,684.18	3,775.50	3,710.10	65.40	57.730		
10,300.00	7,074.07	6,800.00	6,779.36	100.52	25.86	-65.92	-1,869.04	-5,684.18	3,677.36	3,611.53	65.84	55.855		
10,400.00	7,074.41	6,800.00	6,779.36	103.19	25.86	-65.92	-1,869.04	-5,684.18	3,579.33	3,513.01	66.32	53.973		
10,500.00	7,074.75	6,800.00	6,779.36	105.87	25.86	-65.92	-1,869.04	-5,684.18	3,481.41	3,414.56	66.84	52.083		
10,600.00	7,075.10	6,800.00	6,779.36	108.55	25.86	-65.92	-1,869.04	-5,684.18	3,383.61	3,316.19	67.42	50.186		
10,700.00	7,075.44	6,800.00	6,779.36	111.25	25.86	-65.92	-1,869.04	-5,684.18	3,285.94	3,217.89	68.05	48.284		
10,800.00	7,075.78	6,800.00	6,779.36	113.96	25.86	-65.92	-1,869.04	-5,684.18	3,188.42	3,119.67	68.75	46.378		
10,900.00	7,076.13	6,800.00	6,779.36	116.67	25.86	-65.92	-1,869.04	-5,684.18	3,091.05	3,021.54	69.51	44.467		
11,000.00	7,076.47	6,800.00	6,779.36	119.39	25.86	-65.92	-1,869.04	-5,684.18	2,993.86	2,923.51	70.35	42.555		
11,100.00	7,076.81	6,800.00	6,779.36	122.11	25.86	-65.92	-1,869.04	-5,684.18	2,896.86	2,825.58	71.28	40.642		
11,200.00	7,077.16	6,800.00	6,779.36	124.85	25.86	-65.92	-1,869.04	-5,684.18	2,800.07	2,727.77	72.30	38.731		
11,300.00	7,077.50	6,800.00	6,779.36	127.58	25.86	-65.92	-1,869.04	-5,684.18	2,703.51	2,630.09	73.42	36.823		
11,400.00	7,077.85	6,800.00	6,779.36	130.33	25.86	-65.92	-1,869.04	-5,684.18	2,607.22	2,532.56	74.66	34.922		
11,500.00	7,078.19	6,800.00	6,779.36	133.08	25.86	-65.92	-1,869.04	-5,684.18	2,511.21	2,435.18	76.03	33.029		
11,600.00	7,078.53	6,800.00	6,779.36	135.83	25.86	-65.92	-1,869.04	-5,684.18	2,415.53	2,337.98	77.55	31.149		
11,700.00	7,078.88	6,800.00	6,779.36	138.59	25.86	-65.92	-1,869.04	-5,684.18	2,320.21	2,240.98	79.23	29.285		
11,800.00	7,079.22	6,800.00	6,779.36	141.35	25.86	-65.92	-1,869.04	-5,684.18	2,225.30	2,144.21	81.09	27.442		
11,900.00	7,079.56	6,800.00	6,779.36	144.11	25.86	-65.92	-1,869.04	-5,684.18	2,130.86	2,047.70	83.17	25.622		
12,000.00	7,079.91	6,800.00	6,779.36	146.88	25.86	-65.92	-1,869.04	-5,684.18	2,036.95	1,951.48	85.47	23.832		
12,100.00	7,080.25	6,800.00	6,779.36	149.66	25.86	-65.92	-1,869.04	-5,684.18	1,943.65	1,855.60	88.04	22.076		
12,200.00	7,080.60	6,800.00	6,779.36	152.43	25.86	-65.92	-1,869.04	-5,684.18	1,851.05	1,760.13	90.92	20.360		
12,300.00	7,080.94	6,800.00	6,779.36	155.21	25.86	-65.92	-1,869.04	-5,684.18	1,759.25	1,665.12	94.13	18.690		
12,400.00	7,081.28	6,800.00	6,779.36	157.99	25.86	-65.92	-1,869.04	-5,684.18	1,668.40	1,570.67	97.73	17.072		
12,500.00	7,081.63	6,800.00	6,779.36	160.78	25.86	-65.92	-1,869.04	-5,684.18	1,578.66	1,476.89	101.77	15.512		
12,600.00	7,081.97	6,800.00	6,779.36	163.57	25.86	-65.92	-1,869.04	-5,684.18	1,490.22	1,383.92	106.31	14.018		
12,700.00	7,082.31	6,800.00	6,779.36	166.36	25.86	-65.92	-1,869.04	-5,684.18	1,403.34	1,291.93	111.41	12.596		
12,800.00	7,082.66	6,800.00	6,779.36	169.15	25.86	-65.92	-1,869.04	-5,684.18	1,318.32	1,201.17	117.15	11.253		
12,900.00	7,083.00	6,800.00	6,779.36	171.94	25.86	-65.92	-1,869.04	-5,684.18	1,235.54	1,111.94	123.60	9.996		
13,000.00	7,083.35	6,800.00	6,779.36	174.74	25.86	-65.92	-1,869.04	-5,684.18	1,155.49	1,024.65	130.84	8.831		
13,100.00	7,083.69	6,800.00	6,779.36	177.54	25.86	-65.92	-1,869.04	-5,684.18	1,078.78	939.87	138.91	7.766		
13,200.00	7,084.03	6,800.00	6,779.36	180.34	25.86	-65.92	-1,869.04	-5,684.18	1,006.16	858.34	147.82	6.807		
13,300.00	7,084.38	6,800.00	6,779.36	183.14	25.86	-65.92	-1,869.04	-5,684.18	938.59	781.05	157.54	5.958		
13,400.00	7,084.72	6,800.00	6,779.36	185.95	25.86	-65.92	-1,869.04	-5,684.18	877.24	709.37	167.87	5.226		
13,500.00	7,085.06	6,800.00	6,779.36	188.76	25.86	-65.92	-1,869.04	-5,684.18	823.50	645.02	178.48	4.614		
13,600.00	7,085.41	6,800.00	6,779.36	191.56	25.86	-65.92	-1,869.04	-5,684.18	778.94	590.17	188.77	4.126		
13,700.00	7,085.75	6,800.00	6,779.36	194.37	25.86	-65.92	-1,869.04	-5,684.18	745.22	547.27	197.95	3.765		
13,800.00	7,086.09	6,800.00	6,779.36	197.18	25.86	-65.92	-1,869.04	-5,684.18	723.84	518.77	205.07	3.530		
13,900.00	7,086.44	6,800.00	6,779.36	200.00	25.86	-65.92	-1,869.04	-5,684.18	715.92	506.59	209.33	3.420		
13,907.01	7,086.46	6,800.00	6,779.36	200.19	25.86	-65.92	-1,869.04	-5,684.18	715.89	506.38	209.50	3.417	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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 2000-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	6,800.00	6,779.36	202.81	25.86	-65.92	-1,869.04	-5,684.18	721.90	511.64	210.26	3.433		
14,100.00	7,087.13	6,800.00	6,779.36	205.63	25.86	-65.92	-1,869.04	-5,684.18	741.44	533.45	207.99	3.565		
14,200.00	7,087.47	6,800.00	6,779.36	208.44	25.86	-65.92	-1,869.04	-5,684.18	773.52	570.43	203.09	3.809		
14,300.00	7,087.81	6,800.00	6,779.36	211.26	25.86	-65.92	-1,869.04	-5,684.18	816.66	620.28	196.38	4.158		
14,400.00	7,088.16	6,800.00	6,779.36	214.08	25.86	-65.92	-1,869.04	-5,684.18	869.21	680.52	188.69	4.607		
14,500.00	7,088.50	6,800.00	6,779.36	216.90	25.86	-65.92	-1,869.04	-5,684.18	929.59	748.93	180.66	5.146		
14,600.00	7,088.84	6,800.00	6,779.36	219.72	25.86	-65.92	-1,869.04	-5,684.18	996.36	823.62	172.74	5.768		
14,700.00	7,089.19	6,800.00	6,779.36	222.54	25.86	-65.92	-1,869.04	-5,684.18	1,068.33	903.12	165.21	6.466		
14,800.00	7,089.53	6,800.00	6,779.36	225.37	25.86	-65.92	-1,869.04	-5,684.18	1,144.52	986.31	158.21	7.234		
14,900.00	7,089.88	6,800.00	6,779.36	228.19	25.86	-65.92	-1,869.04	-5,684.18	1,224.14	1,072.36	151.78	8.065		
15,000.00	7,090.22	6,800.00	6,779.36	231.02	25.86	-65.92	-1,869.04	-5,684.18	1,306.57	1,160.64	145.93	8.953		
15,100.00	7,090.56	6,800.00	6,779.36	233.84	25.86	-65.92	-1,869.04	-5,684.18	1,391.30	1,250.67	140.63	9.893		
15,200.00	7,090.91	6,800.00	6,779.36	236.67	25.86	-65.92	-1,869.04	-5,684.18	1,477.94	1,342.10	135.84	10.880		
15,227.29	7,091.00	6,800.00	6,779.36	237.44	25.86	-65.92	-1,869.04	-5,684.18	1,501.88	1,367.26	134.62	11.157		
15,300.00	7,091.25	6,800.00	6,779.36	239.49	25.86	-66.99	-1,869.04	-5,684.18	1,565.79	1,434.36	131.43	11.913		
15,326.57	7,091.35	6,800.00	6,779.36	240.24	25.86	-67.37	-1,869.04	-5,684.18	1,589.13	1,458.85	130.28	12.198		
15,400.00	7,091.60	6,800.00	6,779.36	242.30	25.86	-67.37	-1,869.04	-5,684.18	1,654.02	1,526.79	127.23	13.000		
15,500.00	7,091.96	6,800.00	6,779.36	245.12	25.86	-67.37	-1,869.04	-5,684.18	1,743.47	1,620.06	123.41	14.127		
15,600.00	7,092.31	6,800.00	6,779.36	247.93	25.86	-67.37	-1,869.04	-5,684.18	1,834.01	1,714.06	119.95	15.290		
15,700.00	7,092.66	6,800.00	6,779.36	250.75	25.86	-67.37	-1,869.04	-5,684.18	1,925.49	1,808.69	116.80	16.485		
15,800.00	7,093.01	6,800.00	6,779.36	253.56	25.86	-67.37	-1,869.04	-5,684.18	2,017.78	1,903.84	113.94	17.709		
15,900.00	7,093.36	6,800.00	6,779.36	256.38	25.86	-67.37	-1,869.04	-5,684.18	2,110.77	1,999.44	111.33	18.960		
16,000.00	7,093.71	6,819.17	6,797.02	259.20	25.91	-68.82	-1,876.47	-5,684.18	2,204.21	2,094.63	109.58	20.115		
16,100.00	7,094.07	6,819.94	6,797.73	262.02	25.91	-68.87	-1,876.78	-5,684.18	2,298.35	2,190.96	107.39	21.402		
16,200.00	7,094.42	6,820.72	6,798.45	264.84	25.91	-68.93	-1,877.09	-5,684.18	2,392.96	2,287.57	105.38	22.707		
16,300.00	7,094.77	6,821.50	6,799.16	267.65	25.91	-68.99	-1,877.40	-5,684.17	2,487.99	2,384.45	103.54	24.029		
16,400.00	7,095.12	6,822.28	6,799.88	270.47	25.92	-69.05	-1,877.72	-5,684.17	2,583.40	2,481.55	101.84	25.367		
16,500.00	7,095.47	6,823.07	6,800.60	273.30	25.92	-69.11	-1,878.03	-5,684.17	2,679.14	2,578.86	100.28	26.717		
16,600.00	7,095.82	6,823.86	6,801.32	276.12	25.92	-69.17	-1,878.35	-5,684.17	2,775.18	2,676.35	98.83	28.080		
16,700.00	7,096.18	6,824.65	6,802.04	278.94	25.92	-69.23	-1,878.67	-5,684.17	2,871.49	2,774.00	97.50	29.452		
16,800.00	7,096.53	6,825.44	6,802.77	281.76	25.92	-69.29	-1,879.00	-5,684.17	2,968.05	2,871.79	96.26	30.834		
16,900.00	7,096.88	6,826.24	6,803.50	284.58	25.93	-69.35	-1,879.32	-5,684.17	3,064.82	2,969.71	95.11	32.224		
17,000.00	7,097.23	6,827.04	6,804.23	287.41	25.93	-69.41	-1,879.65	-5,684.17	3,161.80	3,067.76	94.04	33.621		
17,100.00	7,097.58	6,827.84	6,804.96	290.23	25.93	-69.47	-1,879.97	-5,684.17	3,258.96	3,165.91	93.05	35.023		
17,200.00	7,097.93	6,828.65	6,805.69	293.06	25.93	-69.53	-1,880.30	-5,684.17	3,356.28	3,264.16	92.13	36.431		
17,300.00	7,098.29	6,829.46	6,806.43	295.88	25.94	-69.59	-1,880.64	-5,684.17	3,453.76	3,362.49	91.27	37.842		
17,400.00	7,098.64	6,830.27	6,807.17	298.71	25.94	-69.65	-1,880.97	-5,684.17	3,551.38	3,460.91	90.46	39.257		
17,500.00	7,098.99	6,831.08	6,807.91	301.53	25.94	-69.71	-1,881.31	-5,684.17	3,649.12	3,559.41	89.72	40.675		
17,600.00	7,099.34	6,831.90	6,808.66	304.36	25.94	-69.77	-1,881.64	-5,684.17	3,746.99	3,657.97	89.01	42.094		
17,700.00	7,099.69	6,832.72	6,809.40	307.19	25.94	-69.84	-1,881.98	-5,684.17	3,844.96	3,756.60	88.36	43.515		
17,800.00	7,100.04	6,833.54	6,810.15	310.01	25.95	-69.90	-1,882.33	-5,684.17	3,943.04	3,855.29	87.75	44.937		
17,900.00	7,100.40	6,834.37	6,810.90	312.84	25.95	-69.96	-1,882.67	-5,684.17	4,041.21	3,954.04	87.17	46.359		
18,000.00	7,100.75	6,835.20	6,811.65	315.67	25.95	-70.02	-1,883.02	-5,684.17	4,139.47	4,052.83	86.63	47.781		
18,100.00	7,101.10	6,836.03	6,812.41	318.50	25.95	-70.08	-1,883.36	-5,684.17	4,237.80	4,151.67	86.13	49.203		
18,200.00	7,101.45	6,836.86	6,813.17	321.33	25.95	-70.15	-1,883.71	-5,684.17	4,336.22	4,250.56	85.66	50.623		
18,300.00	7,101.80	6,837.70	6,813.93	324.16	25.96	-70.21	-1,884.07	-5,684.17	4,434.70	4,349.49	85.21	52.043		
18,400.00	7,102.16	6,838.54	6,814.69	326.99	25.96	-70.27	-1,884.42	-5,684.17	4,533.25	4,448.46	84.80	53.461		
18,500.00	7,102.51	6,839.38	6,815.45	329.82	25.96	-70.34	-1,884.78	-5,684.17	4,631.87	4,547.46	84.40	54.877		
18,600.00	7,102.86	6,840.23	6,816.22	332.65	25.96	-70.40	-1,885.14	-5,684.17	4,730.54	4,646.50	84.04	56.291		
18,700.00	7,103.21	6,841.08	6,816.99	335.48	25.96	-70.46	-1,885.50	-5,684.17	4,829.26	4,745.57	83.69	57.703		
18,800.00	7,103.56	6,841.93	6,817.76	338.31	25.97	-70.53	-1,885.86	-5,684.17	4,928.04	4,844.67	83.37	59.112		
18,900.00	7,103.91	6,842.79	6,818.53	341.14	25.97	-70.59	-1,886.22	-5,684.17	5,026.86	4,943.80	83.06	60.518		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #15U-443(PR) - OH - OH												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	
18,924.52	7,104.00	6,843.00	6,818.72	341.83	25.97	-70.61	-1,886.31	-5,684.17	5,051.09	4,968.10	82.99	60.863	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-10.71	1,463.42	-276.69	1,492.31					
100.00	100.00	6.00	6.00	3.28	3.28	-10.71	1,463.42	-276.69	1,489.34	1,482.78	6.57	226.814		
200.00	200.00	106.00	106.00	3.34	3.82	-10.71	1,463.42	-276.69	1,489.34	1,482.19	7.16	208.141 CC		
300.00	299.98	205.98	205.98	3.44	6.36	-143.73	1,463.42	-276.69	1,490.75	1,480.95	9.80	152.154 ES		
400.00	399.84	305.84	305.84	3.59	9.51	-143.80	1,463.42	-276.69	1,494.97	1,481.87	13.11	114.048		
500.00	499.45	405.45	405.45	3.80	12.84	-143.91	1,463.42	-276.69	1,502.02	1,485.39	16.63	90.322		
600.00	598.70	504.70	504.70	4.04	16.21	-144.07	1,463.42	-276.69	1,511.91	1,491.66	20.25	74.675		
700.00	697.47	603.47	603.47	4.32	19.60	-144.26	1,463.42	-276.69	1,524.64	1,500.73	23.92	63.751		
800.00	795.62	701.62	701.62	4.65	22.98	-144.49	1,463.42	-276.69	1,540.25	1,512.63	27.61	55.778		
900.00	893.06	800.94	799.06	5.02	26.42	-144.75	1,463.42	-276.69	1,558.75	1,527.35	31.39	49.653		
993.00	982.91	888.91	888.91	5.39	29.47	-145.01	1,463.42	-276.69	1,578.56	1,543.78	34.78	45.381		
1,000.00	989.65	904.35	895.65	5.42	30.01	-145.05	1,463.42	-276.69	1,580.15	1,544.80	35.35	44.699		
1,100.00	1,085.84	1,008.16	991.84	5.86	33.61	-145.60	1,463.42	-276.69	1,602.90	1,563.57	39.34	40.749		
1,200.00	1,182.03	1,088.03	1,088.03	6.32	36.39	-146.14	1,463.42	-276.69	1,625.80	1,583.29	42.51	38.245		
1,300.00	1,278.22	1,184.22	1,184.22	6.79	39.73	-146.67	1,463.42	-276.69	1,648.83	1,602.56	46.27	35.637		
1,400.00	1,374.42	1,280.42	1,280.42	7.28	43.08	-147.17	1,463.42	-276.69	1,671.98	1,621.95	50.04	33.415		
1,500.00	1,470.61	1,376.61	1,376.61	7.79	46.43	-147.67	1,463.42	-276.69	1,695.27	1,641.45	53.82	31.501		
1,600.00	1,566.80	1,472.80	1,472.80	8.30	49.78	-148.15	1,463.42	-276.69	1,718.67	1,661.06	57.61	29.835		
1,700.00	1,663.00	1,569.00	1,569.00	8.82	53.13	-148.62	1,463.42	-276.69	1,742.18	1,680.78	61.40	28.374		
1,800.00	1,759.19	1,665.19	1,665.19	9.34	56.48	-149.08	1,463.42	-276.69	1,765.81	1,700.61	65.20	27.083		
1,900.00	1,855.38	1,761.38	1,761.38	9.87	59.83	-149.52	1,463.42	-276.69	1,789.54	1,720.54	69.01	25.933		
2,000.00	1,951.58	1,857.58	1,857.58	10.41	63.19	-149.96	1,463.42	-276.69	1,813.37	1,740.56	72.82	24.904		
2,100.00	2,047.77	1,953.77	1,953.77	10.95	66.54	-150.38	1,463.42	-276.69	1,837.30	1,760.68	76.63	23.977		
2,200.00	2,143.96	2,049.96	2,049.96	11.49	69.90	-150.79	1,463.42	-276.69	1,861.33	1,780.89	80.44	23.139		
2,300.00	2,240.16	2,146.16	2,146.16	12.04	73.25	-151.19	1,463.42	-276.69	1,885.44	1,801.18	84.26	22.376		
2,400.00	2,336.35	2,242.35	2,242.35	12.58	76.61	-151.59	1,463.42	-276.69	1,909.64	1,821.56	88.08	21.681		
2,500.00	2,432.54	2,338.54	2,338.54	13.13	79.96	-151.97	1,463.42	-276.69	1,933.93	1,842.02	91.90	21.044		
2,600.00	2,528.74	2,434.74	2,434.74	13.69	83.32	-152.34	1,463.42	-276.69	1,958.29	1,862.57	95.72	20.458		
2,700.00	2,624.93	2,530.93	2,530.93	14.24	86.67	-152.70	1,463.42	-276.69	1,982.73	1,883.18	99.55	19.917		
2,800.00	2,721.12	2,627.12	2,627.12	14.80	90.03	-153.06	1,463.42	-276.69	2,007.25	1,903.87	103.37	19.418		
2,900.00	2,817.32	2,723.32	2,723.32	15.35	93.38	-153.41	1,463.42	-276.69	2,031.83	1,924.64	107.20	18.954		
3,000.00	2,913.51	2,819.51	2,819.51	15.91	96.74	-153.74	1,463.42	-276.69	2,056.49	1,945.47	111.02	18.523		
3,100.00	3,009.70	2,915.70	2,915.70	16.47	100.10	-154.08	1,463.42	-276.69	2,081.21	1,966.36	114.85	18.121		
3,200.00	3,105.90	3,011.90	3,011.90	17.03	103.45	-154.40	1,463.42	-276.69	2,106.00	1,987.32	118.68	17.745		
3,300.00	3,202.09	3,108.09	3,108.09	17.59	106.81	-154.71	1,463.42	-276.69	2,130.85	2,008.34	122.51	17.393		
3,400.00	3,298.28	3,204.28	3,204.28	18.15	110.17	-155.02	1,463.42	-276.69	2,155.76	2,029.42	126.34	17.063		
3,500.00	3,394.48	3,300.48	3,300.48	18.72	113.52	-155.32	1,463.42	-276.69	2,180.73	2,050.56	130.17	16.753		
3,600.00	3,490.67	3,403.33	3,396.67	19.28	117.11	-155.62	1,463.42	-276.69	2,205.75	2,071.52	134.23	16.433		
3,700.00	3,586.86	3,507.14	3,492.86	19.84	120.73	-155.91	1,463.42	-276.69	2,230.83	2,092.50	138.33	16.127		
3,800.00	3,683.06	3,589.06	3,589.06	20.41	123.59	-156.19	1,463.42	-276.69	2,255.96	2,114.30	141.66	15.925		
3,900.00	3,779.25	3,685.25	3,685.25	20.97	126.95	-156.46	1,463.42	-276.69	2,281.14	2,135.65	145.49	15.679		
4,000.00	3,875.44	3,781.44	3,781.44	21.54	130.31	-156.73	1,463.42	-276.69	2,306.37	2,157.05	149.32	15.446		
4,100.00	3,971.64	3,877.64	3,877.64	22.11	133.66	-157.00	1,463.42	-276.69	2,331.65	2,178.50	153.15	15.224		
4,200.00	4,067.83	3,973.83	3,973.83	22.67	137.02	-157.25	1,463.42	-276.69	2,356.97	2,199.99	156.98	15.014		
4,300.00	4,164.02	4,070.02	4,070.02	23.24	140.38	-157.51	1,463.42	-276.69	2,382.34	2,221.52	160.82	14.814		
4,400.00	4,260.22	4,166.22	4,166.22	23.81	143.73	-157.75	1,463.42	-276.69	2,407.75	2,243.10	164.65	14.624		
4,500.00	4,356.41	4,262.41	4,262.41	24.37	147.09	-158.00	1,463.42	-276.69	2,433.20	2,264.72	168.48	14.442		
4,600.00	4,452.60	4,358.60	4,358.60	24.94	150.45	-158.23	1,463.42	-276.69	2,458.69	2,286.38	172.31	14.269		
4,700.00	4,548.79	4,454.79	4,454.79	25.51	153.81	-158.47	1,463.42	-276.69	2,484.22	2,308.08	176.15	14.103		
4,800.00	4,644.99	4,550.99	4,550.99	26.08	157.16	-158.69	1,463.42	-276.69	2,509.79	2,329.81	179.98	13.945		
4,900.00	4,741.18	4,647.18	4,647.18	26.65	160.52	-158.92	1,463.42	-276.69	2,535.40	2,351.59	183.81	13.794		
5,000.00	4,837.37	4,743.37	4,743.37	27.21	163.88	-159.14	1,463.42	-276.69	2,561.04	2,373.39	187.64	13.648		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,839.57	4,839.57	27.78	167.24	-159.35	1,463.42	-276.69	2,586.71	2,395.24	191.48	13.509		
5,200.00	5,029.76	4,935.76	4,935.76	28.35	170.59	-159.56	1,463.42	-276.69	2,612.42	2,417.11	195.31	13.376		
5,300.00	5,125.95	5,031.95	5,031.95	28.92	173.95	-159.77	1,463.42	-276.69	2,638.17	2,439.02	199.14	13.248		
5,400.00	5,222.15	5,128.15	5,128.15	29.49	177.31	-159.97	1,463.42	-276.69	2,663.94	2,460.96	202.98	13.124		
5,500.00	5,318.34	5,224.34	5,224.34	30.06	180.67	-160.17	1,463.42	-276.69	2,689.74	2,482.93	206.81	13.006		
5,600.00	5,414.53	5,320.53	5,320.53	30.63	184.02	-160.36	1,463.42	-276.69	2,715.58	2,504.93	210.64	12.892		
5,700.00	5,510.73	5,416.73	5,416.73	31.20	187.38	-160.55	1,463.42	-276.69	2,741.44	2,526.96	214.48	12.782		
5,800.00	5,606.92	5,512.92	5,512.92	31.77	190.74	-160.74	1,463.42	-276.69	2,767.33	2,549.02	218.31	12.676		
5,900.00	5,703.11	5,609.11	5,609.11	32.34	194.10	-160.93	1,463.42	-276.69	2,793.25	2,571.10	222.15	12.574		
6,000.00	5,799.31	5,705.31	5,705.31	32.91	197.45	-161.11	1,463.42	-276.69	2,819.19	2,593.21	225.98	12.475		
6,100.00	5,895.50	5,801.50	5,801.50	33.48	200.81	-161.28	1,463.42	-276.69	2,845.17	2,615.35	229.81	12.380		
6,200.00	5,991.69	5,902.31	5,902.31	34.05	204.33	-161.46	1,463.42	-276.69	2,871.16	2,637.35	233.81	12.280		
6,300.00	6,087.89	6,006.11	6,006.11	34.62	207.95	-161.63	1,463.42	-276.69	2,897.18	2,659.27	237.91	12.178		
6,400.00	6,184.08	6,109.92	6,109.92	35.19	211.58	-161.80	1,463.42	-276.69	2,923.23	2,681.22	242.01	12.079		
6,500.00	6,280.27	6,186.27	6,186.27	35.77	214.24	-161.96	1,463.42	-276.69	2,949.30	2,704.14	245.15	12.030		
6,535.30	6,314.23	6,220.23	6,220.23	35.97	215.43	-162.02	1,463.42	-276.69	2,958.50	2,712.00	246.51	12.002		
6,550.00	6,328.40	6,234.40	6,234.40	36.05	215.92	-165.78	1,463.42	-276.69	2,962.26	2,715.19	247.07	11.990		
6,600.00	6,377.01	6,283.01	6,283.01	36.31	217.62	178.03	1,463.42	-276.69	2,973.85	2,724.86	249.00	11.943		
6,650.00	6,426.00	6,332.00	6,332.00	36.54	219.33	156.30	1,463.42	-276.69	2,983.55	2,732.63	250.92	11.890		
6,700.00	6,475.08	6,381.08	6,381.08	36.73	221.04	132.91	1,463.42	-276.69	2,991.31	2,738.47	252.84	11.831		
6,750.00	6,523.94	6,429.94	6,429.94	36.90	222.75	114.00	1,463.42	-276.69	2,997.10	2,742.36	254.74	11.765		
6,800.00	6,572.28	6,478.28	6,478.28	37.05	224.44	101.14	1,463.42	-276.69	3,000.91	2,744.30	256.62	11.694		
6,850.00	6,619.81	6,525.81	6,525.81	37.19	226.09	92.78	1,463.42	-276.69	3,002.76	2,744.30	258.46	11.618		
6,900.00	6,666.23	6,572.23	6,572.23	37.32	227.72	87.34	1,463.42	-276.69	3,002.68	2,742.42	260.26	11.537		
6,950.00	6,711.25	6,617.25	6,617.25	37.46	229.29	83.78	1,463.42	-276.69	3,000.74	2,738.73	262.01	11.453		
7,000.00	6,754.60	6,660.60	6,660.60	37.61	230.80	81.49	1,463.42	-276.69	2,997.01	2,733.30	263.71	11.365		
7,050.00	6,796.01	6,702.01	6,702.01	37.77	232.25	80.11	1,463.42	-276.69	2,991.59	2,726.23	265.36	11.274		
7,100.00	6,835.22	6,741.22	6,741.22	37.94	233.61	79.39	1,463.42	-276.69	2,984.58	2,717.64	266.94	11.181		
7,150.00	6,871.99	6,777.99	6,777.99	38.12	234.90	79.19	1,463.42	-276.69	2,976.11	2,707.65	268.46	11.086		
7,200.00	6,906.10	6,812.10	6,812.10	38.34	236.09	79.39	1,463.42	-276.69	2,966.32	2,696.40	269.92	10.990		
7,250.00	6,937.34	6,843.34	6,843.34	38.57	237.18	79.92	1,463.42	-276.69	2,955.54	2,684.03	271.31	10.893		
7,300.00	6,965.51	6,871.51	6,871.51	38.84	238.16	80.70	1,463.42	-276.69	2,943.34	2,670.70	272.64	10.796		
7,350.00	6,990.44	6,903.56	6,896.44	39.14	239.28	81.68	1,463.42	-276.69	2,930.45	2,656.30	274.15	10.689		
7,400.00	7,011.97	6,917.97	6,917.97	39.47	239.78	82.82	1,463.42	-276.69	2,916.83	2,641.73	275.10	10.603		
7,450.00	7,029.98	6,935.98	6,935.98	39.85	240.41	84.07	1,463.42	-276.69	2,902.64	2,626.41	276.23	10.508		
7,500.00	7,044.34	6,950.34	6,950.34	40.26	240.91	85.41	1,463.42	-276.69	2,888.02	2,610.73	277.29	10.415		
7,550.00	7,054.99	6,960.99	6,960.99	40.72	241.29	86.79	1,463.42	-276.69	2,873.11	2,594.84	278.27	10.325		
7,600.00	7,061.83	6,967.83	6,967.83	41.21	241.52	88.20	1,463.42	-276.69	2,858.05	2,578.88	279.17	10.238		
7,650.00	7,064.85	6,970.85	6,970.85	41.73	241.63	89.60	1,463.42	-276.69	2,842.93	2,562.96	279.98	10.154		
7,661.89	7,065.00	6,971.00	6,971.00	41.86	241.63	89.94	1,463.42	-276.69	2,839.35	2,559.19	280.15	10.135		
7,700.00	7,065.13	6,971.13	6,971.13	42.28	241.64	89.94	1,463.42	-276.69	2,828.09	2,547.36	280.72	10.074		
7,800.00	7,065.47	6,971.47	6,971.47	43.53	241.65	89.95	1,463.42	-276.69	2,800.80	2,518.44	282.36	9.919		
7,900.00	7,065.82	6,971.82	6,971.82	44.94	241.66	89.96	1,463.42	-276.69	2,776.85	2,492.68	284.17	9.772		
8,000.00	7,066.16	6,972.16	6,972.16	46.50	241.68	89.96	1,463.42	-276.69	2,756.31	2,470.18	286.13	9.633		
8,100.00	7,066.50	6,972.50	6,972.50	48.19	241.69	89.97	1,463.42	-276.69	2,739.28	2,451.06	288.22	9.504		
8,200.00	7,066.85	6,972.85	6,972.85	50.00	241.70	89.98	1,463.42	-276.69	2,725.81	2,435.40	290.41	9.386		
8,300.00	7,067.19	6,973.19	6,973.19	51.91	241.71	89.98	1,463.42	-276.69	2,715.96	2,423.28	292.68	9.280		
8,400.00	7,067.54	6,973.54	6,973.54	53.92	241.72	89.99	1,463.42	-276.69	2,709.77	2,414.76	295.01	9.185		
8,500.00	7,067.88	6,973.88	6,973.88	56.01	241.74	90.00	1,463.42	-276.69	2,707.25	2,409.89	297.36	9.104		
8,518.05	7,067.94	6,973.94	6,973.94	56.39	241.74	90.00	1,463.42	-276.69	2,707.19	2,409.40	297.79	9.091		
8,600.00	7,068.22	6,974.22	6,974.22	58.16	241.75	90.01	1,463.42	-276.69	2,708.43	2,408.70	299.73	9.036		
8,700.00	7,068.57	6,974.57	6,974.57	60.38	241.76	90.01	1,463.42	-276.69	2,713.30	2,411.21	302.09	8.982		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	6,974.91	6,974.91	62.65	241.77	90.02	1,463.42	-276.69	2,721.84	2,417.41	304.42	8.941		
8,900.00	7,069.25	6,975.25	6,975.25	64.97	241.78	90.03	1,463.42	-276.69	2,734.00	2,427.29	306.71	8.914		
9,000.00	7,069.60	6,975.60	6,975.60	67.34	241.80	90.04	1,463.42	-276.69	2,749.76	2,440.81	308.95	8.900		
9,100.00	7,069.94	6,975.94	6,975.94	69.74	241.81	90.04	1,463.42	-276.69	2,769.04	2,457.92	311.12	8.900 SF		
9,200.00	7,070.28	6,976.28	6,976.28	72.18	241.82	90.05	1,463.42	-276.69	2,791.76	2,478.56	313.21	8.913		
9,300.00	7,070.63	6,976.63	6,976.63	74.65	241.83	90.06	1,463.42	-276.69	2,817.86	2,502.65	315.21	8.940		
9,400.00	7,070.97	6,976.97	6,976.97	77.15	241.84	90.06	1,463.42	-276.69	2,847.23	2,530.11	317.12	8.978		
9,500.00	7,071.32	6,977.32	6,977.32	79.67	241.86	90.07	1,463.42	-276.69	2,879.78	2,560.83	318.94	9.029		
9,600.00	7,071.66	6,977.66	6,977.66	82.22	241.87	90.08	1,463.42	-276.69	2,915.39	2,594.73	320.66	9.092		
9,700.00	7,072.00	6,978.00	6,978.00	84.78	241.88	90.09	1,463.42	-276.69	2,953.96	2,631.68	322.28	9.166		
9,800.00	7,072.35	6,978.35	6,978.35	87.37	241.89	90.09	1,463.42	-276.69	2,995.38	2,671.57	323.80	9.251		
9,900.00	7,072.69	6,978.69	6,978.69	89.97	241.90	90.10	1,463.42	-276.69	3,039.52	2,714.29	325.23	9.346		
10,000.00	7,073.03	6,979.03	6,979.03	92.59	241.92	90.11	1,463.42	-276.69	3,086.27	2,759.71	326.55	9.451		
10,100.00	7,073.38	6,979.38	6,979.38	95.22	241.93	90.12	1,463.42	-276.69	3,135.51	2,807.72	327.79	9.566		
10,200.00	7,073.72	6,979.72	6,979.72	97.86	241.94	90.12	1,463.42	-276.69	3,187.13	2,858.20	328.93	9.689		
10,300.00	7,074.07	6,980.07	6,980.07	100.52	241.95	90.13	1,463.42	-276.69	3,241.02	2,911.02	329.99	9.821		
10,400.00	7,074.41	6,980.41	6,980.41	103.19	241.96	90.14	1,463.42	-276.69	3,297.06	2,966.08	330.97	9.962		
10,500.00	7,074.75	6,980.75	6,980.75	105.87	241.98	90.14	1,463.42	-276.69	3,355.14	3,023.27	331.88	10.110		
10,600.00	7,075.10	6,981.10	6,981.10	108.55	241.99	90.15	1,463.42	-276.69	3,415.17	3,082.46	332.70	10.265		
10,700.00	7,075.44	6,981.44	6,981.44	111.25	242.00	90.16	1,463.42	-276.69	3,477.03	3,143.57	333.46	10.427		
10,800.00	7,075.78	6,981.78	6,981.78	113.96	242.01	90.17	1,463.42	-276.69	3,540.64	3,206.48	334.16	10.596		
10,900.00	7,076.13	6,982.13	6,982.13	116.67	242.02	90.17	1,463.42	-276.69	3,605.90	3,271.10	334.80	10.770		
11,000.00	7,076.47	6,982.47	6,982.47	119.39	242.04	90.18	1,463.42	-276.69	3,672.72	3,337.34	335.38	10.951		
11,100.00	7,076.81	6,982.81	6,982.81	122.11	242.05	90.19	1,463.42	-276.69	3,741.03	3,405.12	335.91	11.137		
11,200.00	7,077.16	6,983.16	6,983.16	124.85	242.06	90.20	1,463.42	-276.69	3,810.73	3,474.34	336.39	11.328		
11,300.00	7,077.50	6,983.50	6,983.50	127.58	242.07	90.20	1,463.42	-276.69	3,881.76	3,544.93	336.83	11.524		
11,400.00	7,077.85	6,983.85	6,983.85	130.33	242.08	90.21	1,463.42	-276.69	3,954.04	3,616.81	337.23	11.725		
11,500.00	7,078.19	6,984.19	6,984.19	133.08	242.10	90.22	1,463.42	-276.69	4,027.51	3,689.91	337.59	11.930		
11,600.00	7,078.53	6,984.53	6,984.53	135.83	242.11	90.22	1,463.42	-276.69	4,102.10	3,764.18	337.92	12.139		
11,700.00	7,078.88	6,984.88	6,984.88	138.59	242.12	90.23	1,463.42	-276.69	4,177.75	3,839.53	338.21	12.352		
11,800.00	7,079.22	6,985.22	6,985.22	141.35	242.13	90.24	1,463.42	-276.69	4,254.41	3,915.93	338.48	12.569		
11,900.00	7,079.56	6,985.56	6,985.56	144.11	242.14	90.25	1,463.42	-276.69	4,332.01	3,993.29	338.72	12.789		
12,000.00	7,079.91	6,985.91	6,985.91	146.88	242.16	90.25	1,463.42	-276.69	4,410.53	4,071.59	338.94	13.013		
12,100.00	7,080.25	6,986.25	6,986.25	149.66	242.17	90.26	1,463.42	-276.69	4,489.89	4,150.76	339.13	13.240		
12,200.00	7,080.60	6,986.60	6,986.60	152.43	242.18	90.27	1,463.42	-276.69	4,570.07	4,230.77	339.30	13.469		
12,300.00	7,080.94	6,986.94	6,986.94	155.21	242.19	90.28	1,463.42	-276.69	4,651.01	4,311.55	339.45	13.701		
12,400.00	7,081.28	6,987.28	6,987.28	157.99	242.20	90.28	1,463.42	-276.69	4,732.68	4,393.09	339.59	13.936		
12,500.00	7,081.63	6,987.63	6,987.63	160.78	242.22	90.29	1,463.42	-276.69	4,815.04	4,475.33	339.71	14.174		
12,600.00	7,081.97	6,987.97	6,987.97	163.57	242.23	90.30	1,463.42	-276.69	4,898.06	4,558.24	339.82	14.414		
12,700.00	7,082.31	6,988.31	6,988.31	166.36	242.24	90.30	1,463.42	-276.69	4,981.71	4,641.79	339.91	14.656		
12,800.00	7,082.66	6,988.66	6,988.66	169.15	242.25	90.31	1,463.42	-276.69	5,065.94	4,725.95	339.99	14.900		
12,900.00	7,083.00	6,989.00	6,989.00	171.94	242.26	90.32	1,463.42	-276.69	5,150.74	4,810.68	340.07	15.146		
13,000.00	7,083.35	6,989.35	6,989.35	174.74	242.28	90.33	1,463.42	-276.69	5,236.08	4,895.95	340.13	15.394		
13,100.00	7,083.69	6,989.69	6,989.69	177.54	242.29	90.33	1,463.42	-276.69	5,321.93	4,981.75	340.18	15.644		
13,200.00	7,084.03	7,009.97	6,990.03	180.34	243.00	90.34	1,463.42	-276.69	5,408.26	5,067.34	340.92	15.864		
13,300.00	7,084.38	7,009.62	6,990.38	183.14	242.98	90.35	1,463.42	-276.69	5,495.06	5,154.12	340.94	16.118		
13,400.00	7,084.72	7,009.28	6,990.72	185.95	242.97	90.36	1,463.42	-276.69	5,582.30	5,241.36	340.94	16.373		
13,500.00	7,085.06	7,008.94	6,991.06	188.76	242.96	90.36	1,463.42	-276.69	5,669.96	5,329.01	340.94	16.630		
13,600.00	7,085.41	7,008.59	6,991.41	191.56	242.95	90.37	1,463.42	-276.69	5,758.02	5,417.08	340.94	16.889		
13,700.00	7,085.75	7,008.25	6,991.75	194.37	242.94	90.38	1,463.42	-276.69	5,846.47	5,505.54	340.93	17.149		
13,800.00	7,086.09	7,007.91	6,992.09	197.18	242.92	90.38	1,463.42	-276.69	5,935.28	5,594.36	340.92	17.410		
13,900.00	7,086.44	7,007.56	6,992.44	200.00	242.91	90.39	1,463.42	-276.69	6,024.45	5,683.54	340.90	17.672		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,007.22	6,992.78	202.81	242.90	90.40	1,463.42	-276.69	6,113.95	5,773.06	340.88	17.936		
14,100.00	7,087.13	7,006.87	6,993.13	205.63	242.89	90.41	1,463.42	-276.69	6,203.77	5,862.91	340.86	18.200		
14,200.00	7,087.47	7,006.53	6,993.47	208.44	242.88	90.41	1,463.42	-276.69	6,293.89	5,953.06	340.83	18.466		
14,300.00	7,087.81	7,006.19	6,993.81	211.26	242.86	90.42	1,463.42	-276.69	6,384.31	6,043.51	340.80	18.733		
14,400.00	7,088.16	7,005.84	6,994.16	214.08	242.85	90.43	1,463.42	-276.69	6,475.02	6,134.25	340.77	19.001		
14,500.00	7,088.50	7,005.50	6,994.50	216.90	242.84	90.44	1,463.42	-276.69	6,565.99	6,225.25	340.74	19.270		
14,600.00	7,088.84	7,005.16	6,994.84	219.72	242.83	90.44	1,463.42	-276.69	6,657.22	6,316.52	340.70	19.540		
14,700.00	7,089.19	7,004.81	6,995.19	222.54	242.82	90.45	1,463.42	-276.69	6,748.70	6,408.03	340.67	19.810		
14,800.00	7,089.53	7,004.47	6,995.53	225.37	242.80	90.46	1,463.42	-276.69	6,840.42	6,499.79	340.63	20.082		
14,900.00	7,089.88	7,004.13	6,995.88	228.19	242.79	90.46	1,463.42	-276.69	6,932.37	6,591.78	340.59	20.354		
15,000.00	7,090.22	7,003.78	6,996.22	231.02	242.78	90.47	1,463.42	-276.69	7,024.53	6,683.98	340.55	20.627		
15,100.00	7,090.56	7,003.44	6,996.56	233.84	242.77	90.48	1,463.42	-276.69	7,116.91	6,776.40	340.51	20.901		
15,200.00	7,090.91	7,003.09	6,996.91	236.67	242.76	90.49	1,463.42	-276.69	7,209.50	6,869.03	340.47	21.175		
15,227.29	7,091.00	7,003.00	6,997.00	237.44	242.75	90.49	1,463.42	-276.69	7,234.80	6,894.34	340.46	21.250		
15,300.00	7,091.25	7,002.75	6,997.25	239.49	242.74	90.54	1,463.42	-276.69	7,302.61	6,962.18	340.43	21.451		
15,326.57	7,091.35	7,002.65	6,997.35	240.24	242.74	90.56	1,463.42	-276.69	7,327.57	6,987.16	340.42	21.525		
15,400.00	7,091.60	7,002.40	6,997.60	242.30	242.73	90.57	1,463.42	-276.69	7,396.74	7,056.35	340.39	21.730		
15,500.00	7,091.96	7,002.04	6,997.96	245.12	242.72	90.58	1,463.42	-276.69	7,491.07	7,150.72	340.35	22.010		
15,600.00	7,092.31	7,001.69	6,998.31	247.93	242.71	90.58	1,463.42	-276.69	7,585.54	7,245.24	340.31	22.290		
15,700.00	7,092.66	7,001.34	6,998.66	250.75	242.69	90.59	1,463.42	-276.69	7,680.16	7,339.89	340.27	22.571		
15,800.00	7,093.01	7,000.99	6,999.01	253.56	242.68	90.60	1,463.42	-276.69	7,774.90	7,434.68	340.23	22.852		
15,900.00	7,093.36	7,000.64	6,999.36	256.38	242.67	90.61	1,463.42	-276.69	7,869.78	7,529.59	340.19	23.134		
16,000.00	7,093.71	7,000.29	6,999.71	259.20	242.66	90.62	1,463.42	-276.69	7,964.78	7,624.64	340.15	23.416		
16,100.00	7,094.07	7,000.07	7,000.07	262.02	242.65	90.63	1,463.42	-276.69	8,059.91	7,719.79	340.11	23.698		
16,200.00	7,094.42	7,000.42	7,000.42	264.84	242.66	90.63	1,463.42	-276.69	8,155.15	7,815.05	340.10	23.979		
16,300.00	7,094.77	7,000.77	7,000.77	267.65	242.67	90.64	1,463.42	-276.69	8,250.50	7,910.41	340.08	24.260		
16,400.00	7,095.12	7,001.12	7,001.12	270.47	242.69	90.65	1,463.42	-276.69	8,345.96	8,005.89	340.07	24.542		
16,500.00	7,095.47	7,001.47	7,001.47	273.30	242.70	90.66	1,463.42	-276.69	8,441.53	8,101.47	340.06	24.824		
16,600.00	7,095.82	7,001.82	7,001.82	276.12	242.71	90.67	1,463.42	-276.69	8,537.19	8,197.15	340.05	25.106		
16,700.00	7,096.18	7,002.18	7,002.18	278.94	242.72	90.67	1,463.42	-276.69	8,632.96	8,292.92	340.04	25.388		
16,800.00	7,096.53	7,002.53	7,002.53	281.76	242.74	90.68	1,463.42	-276.69	8,728.82	8,388.79	340.03	25.671		
16,900.00	7,096.88	7,002.88	7,002.88	284.58	242.75	90.69	1,463.42	-276.69	8,824.77	8,484.76	340.02	25.954		
17,000.00	7,097.23	7,003.23	7,003.23	287.41	242.76	90.70	1,463.42	-276.69	8,920.82	8,580.81	340.01	26.237		
17,100.00	7,097.58	7,003.58	7,003.58	290.23	242.77	90.71	1,463.42	-276.69	9,016.94	8,676.94	340.00	26.520		
17,200.00	7,097.93	7,003.93	7,003.93	293.06	242.78	90.72	1,463.42	-276.69	9,113.16	8,773.16	340.00	26.804		
17,300.00	7,098.29	7,004.29	7,004.29	295.88	242.80	90.72	1,463.42	-276.69	9,209.45	8,869.46	339.99	27.087		
17,400.00	7,098.64	7,004.64	7,004.64	298.71	242.81	90.73	1,463.42	-276.69	9,305.82	8,965.83	339.99	27.371		
17,500.00	7,098.99	7,004.99	7,004.99	301.53	242.82	90.74	1,463.42	-276.69	9,402.26	9,062.28	339.98	27.655		
17,600.00	7,099.34	7,005.34	7,005.34	304.36	242.83	90.75	1,463.42	-276.69	9,498.78	9,158.81	339.98	27.939		
17,700.00	7,099.69	7,005.69	7,005.69	307.19	242.85	90.76	1,463.42	-276.69	9,595.37	9,255.40	339.98	28.224		
17,800.00	7,100.04	7,006.04	7,006.04	310.01	242.86	90.76	1,463.42	-276.69	9,692.03	9,352.06	339.97	28.508		
17,900.00	7,100.40	7,006.40	7,006.40	312.84	242.87	90.77	1,463.42	-276.69	9,788.76	9,448.79	339.97	28.793		
18,000.00	7,100.75	7,006.75	7,006.75	315.67	242.88	90.78	1,463.42	-276.69	9,885.55	9,545.58	339.97	29.078		
18,100.00	7,101.10	7,007.10	7,007.10	318.50	242.89	90.79	1,463.42	-276.69	9,982.41	9,642.43	339.97	29.362		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-126.71	-2,280.37	-3,057.97	3,814.64					
100.00	100.00	77.54	77.54	3.28	3.28	-126.71	-2,280.49	-3,057.99	3,814.71	3,808.14	6.57	580.719		
200.00	200.00	218.52	218.52	3.34	3.36	-126.72	-2,280.70	-3,057.29	3,814.40	3,807.71	6.70	569.624		
283.81	283.79	289.75	289.74	3.42	3.44	100.30	-2,280.38	-3,056.92	3,814.04	3,807.19	6.86	556.206		
300.00	299.98	303.24	303.24	3.44	3.45	100.31	-2,280.28	-3,056.91	3,814.06	3,807.16	6.89	553.172		
400.00	399.84	381.83	381.83	3.59	3.57	100.36	-2,279.94	-3,056.99	3,814.83	3,807.66	7.17	532.392		
500.00	499.45	519.43	519.42	3.80	3.85	100.51	-2,279.45	-3,056.61	3,815.95	3,808.31	7.64	499.652		
600.00	598.70	588.18	588.17	4.04	4.01	100.61	-2,279.15	-3,056.40	3,817.71	3,809.66	8.04	474.681		
700.00	697.47	721.76	721.74	4.32	4.36	100.87	-2,278.38	-3,055.94	3,820.00	3,811.32	8.68	439.945		
800.00	795.62	793.14	793.13	4.65	4.57	101.02	-2,277.82	-3,055.77	3,823.03	3,813.82	9.22	414.824		
900.00	893.06	910.04	910.02	5.02	4.93	101.33	-2,277.36	-3,055.37	3,826.99	3,817.05	9.94	384.902		
993.00	982.91	991.81	991.79	5.39	5.19	101.55	-2,277.29	-3,054.76	3,831.26	3,820.68	10.58	362.015		
1,000.00	989.65	998.13	998.11	5.42	5.22	101.58	-2,277.28	-3,054.72	3,831.62	3,820.98	10.63	360.331		
1,100.00	1,085.84	1,088.34	1,088.31	5.86	5.52	101.93	-2,277.24	-3,054.19	3,836.87	3,825.49	11.37	337.343		
1,200.00	1,182.03	1,178.50	1,178.47	6.32	5.83	102.29	-2,277.24	-3,053.81	3,842.46	3,830.31	12.14	316.388		
1,300.00	1,278.22	1,268.61	1,268.59	6.79	6.16	102.65	-2,277.27	-3,053.58	3,848.38	3,835.44	12.94	297.389		
1,400.00	1,374.42	1,358.69	1,358.66	7.28	6.49	103.00	-2,277.34	-3,053.49	3,854.64	3,840.88	13.76	280.205		
1,500.00	1,470.61	1,448.71	1,448.68	7.79	6.82	103.36	-2,277.45	-3,053.56	3,861.23	3,846.64	14.59	264.669		
1,600.00	1,566.80	1,547.92	1,547.89	8.30	7.20	103.75	-2,277.50	-3,053.80	3,868.12	3,852.64	15.47	250.029		
1,700.00	1,663.00	1,665.78	1,665.75	8.82	7.65	104.23	-2,276.66	-3,054.17	3,874.85	3,858.41	16.44	235.716		
1,800.00	1,759.19	1,769.83	1,769.80	9.34	8.05	104.64	-2,275.88	-3,053.92	3,881.29	3,863.93	17.36	223.525		
1,900.00	1,855.38	1,865.36	1,865.32	9.87	8.43	105.02	-2,275.34	-3,053.55	3,887.90	3,869.63	18.26	212.871		
2,000.00	1,951.58	1,960.68	1,960.64	10.41	8.80	105.40	-2,274.64	-3,053.30	3,894.71	3,875.54	19.17	203.160		
2,100.00	2,047.77	2,052.47	2,052.43	10.95	9.17	105.76	-2,274.00	-3,053.09	3,901.74	3,881.68	20.07	194.422		
2,200.00	2,143.96	2,144.49	2,144.45	11.49	9.54	106.12	-2,273.63	-3,052.87	3,909.10	3,888.13	20.97	186.395		
2,300.00	2,240.16	2,254.55	2,254.50	12.04	9.98	106.56	-2,272.17	-3,053.15	3,916.61	3,894.66	21.96	178.389		
2,400.00	2,336.35	2,394.16	2,394.08	12.58	10.55	107.13	-2,269.20	-3,052.83	3,923.54	3,900.47	23.07	170.090		
2,500.00	2,432.54	2,497.42	2,497.31	13.13	10.97	107.55	-2,266.82	-3,051.88	3,929.97	3,905.94	24.03	163.535		
2,600.00	2,528.74	2,573.34	2,573.20	13.69	11.28	107.85	-2,265.17	-3,051.27	3,936.77	3,911.89	24.88	158.211		
2,700.00	2,624.93	2,658.18	2,658.01	14.24	11.63	108.20	-2,263.11	-3,051.14	3,944.19	3,918.42	25.77	153.031		
2,800.00	2,721.12	2,758.49	2,758.30	14.80	12.04	108.60	-2,260.99	-3,050.93	3,951.89	3,925.16	26.73	147.833		
2,900.00	2,817.32	2,847.26	2,847.06	15.35	12.41	108.96	-2,259.17	-3,050.57	3,959.67	3,932.03	27.64	143.247		
3,000.00	2,913.51	2,933.04	2,932.82	15.91	12.76	109.30	-2,257.72	-3,050.47	3,968.02	3,939.48	28.54	139.032		
3,100.00	3,009.70	3,024.31	3,024.09	16.47	13.14	109.64	-2,257.03	-3,049.89	3,976.52	3,947.06	29.46	134.968		
3,200.00	3,105.90	3,089.00	3,088.78	17.03	13.41	109.88	-2,256.97	-3,049.69	3,985.76	3,955.49	30.27	131.684		
3,300.00	3,202.09	3,174.41	3,174.19	17.59	13.76	110.20	-2,256.96	-3,049.95	3,995.71	3,964.55	31.16	128.219		
3,400.00	3,298.28	3,246.47	3,246.24	18.15	14.06	110.47	-2,256.86	-3,050.45	4,006.14	3,974.15	32.00	125.200		
3,500.00	3,394.48	3,325.26	3,325.02	18.72	14.39	110.75	-2,257.73	-3,051.20	4,017.43	3,984.56	32.86	122.250		
3,600.00	3,490.67	3,430.20	3,429.96	19.28	14.82	111.13	-2,258.75	-3,051.94	4,028.61	3,994.76	33.85	119.022		
3,700.00	3,586.86	3,500.00	3,499.75	19.84	15.11	111.38	-2,259.48	-3,052.82	4,040.45	4,005.78	34.67	116.541		
3,800.00	3,683.06	3,646.91	3,646.64	20.41	15.73	111.89	-2,261.30	-3,053.96	4,052.13	4,016.28	35.85	113.025		
3,900.00	3,779.25	3,748.64	3,748.37	20.97	16.15	112.26	-2,261.33	-3,054.32	4,063.09	4,026.27	36.82	110.339		
4,000.00	3,875.44	3,838.44	3,838.17	21.54	16.53	112.58	-2,261.58	-3,054.77	4,074.45	4,036.71	37.74	107.957		
4,100.00	3,971.64	3,945.71	3,945.44	22.11	16.98	112.96	-2,261.95	-3,055.12	4,085.83	4,047.08	38.74	105.467		
4,200.00	4,067.83	4,053.09	4,052.81	22.67	17.43	113.34	-2,262.26	-3,055.18	4,097.09	4,057.35	39.74	103.097		
4,300.00	4,164.02	4,160.56	4,160.29	23.24	17.88	113.71	-2,262.52	-3,054.94	4,108.24	4,067.50	40.74	100.839		
4,400.00	4,260.22	4,268.14	4,267.86	23.81	18.33	114.08	-2,262.72	-3,054.40	4,119.28	4,077.54	41.74	98.686		
4,500.00	4,356.41	4,375.81	4,375.54	24.37	18.78	114.45	-2,262.87	-3,053.57	4,130.20	4,087.46	42.74	96.630		
4,600.00	4,452.60	4,454.88	4,454.59	24.94	19.11	114.72	-2,262.93	-3,052.96	4,141.25	4,097.64	43.61	94.960		
4,700.00	4,548.79	4,550.12	4,549.84	25.51	19.51	115.05	-2,262.84	-3,052.81	4,152.92	4,108.37	44.55	93.212		
4,800.00	4,644.99	4,634.80	4,634.52	26.08	19.87	115.34	-2,262.69	-3,052.42	4,164.48	4,119.03	45.45	91.636		
4,900.00	4,741.18	4,700.00	4,699.72	26.65	20.15	115.57	-2,262.72	-3,052.78	4,177.05	4,130.80	46.24	90.329		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,818.70	4,818.42	27.21	20.65	115.98	-2,262.39	-3,053.69	4,189.98	4,142.69	47.30	88.590		
5,100.00	4,933.57	4,886.71	4,886.41	27.78	20.93	116.22	-2,261.74	-3,054.37	4,202.96	4,154.86	48.10	87.373		
5,200.00	5,029.76	5,016.48	5,016.17	28.35	21.48	116.67	-2,260.62	-3,055.23	4,215.84	4,166.62	49.21	85.668		
5,300.00	5,125.95	5,080.71	5,080.40	28.92	21.75	116.89	-2,260.39	-3,055.56	4,228.91	4,178.91	50.00	84.580		
5,400.00	5,222.15	5,209.57	5,209.26	29.49	22.30	117.33	-2,260.17	-3,056.25	4,242.24	4,191.14	51.10	83.014		
5,500.00	5,318.34	5,277.35	5,277.04	30.06	22.58	117.55	-2,259.95	-3,056.55	4,255.53	4,203.63	51.91	81.986		
5,600.00	5,414.53	5,411.14	5,410.82	30.63	23.15	118.01	-2,258.99	-3,057.29	4,269.00	4,215.97	53.03	80.497		
5,700.00	5,510.73	5,482.66	5,482.33	31.20	23.45	118.25	-2,258.19	-3,057.59	4,282.33	4,228.48	53.85	79.518		
5,800.00	5,606.92	5,574.71	5,574.37	31.77	23.84	118.57	-2,256.87	-3,058.43	4,296.17	4,241.40	54.77	78.435		
5,900.00	5,703.11	5,659.78	5,659.43	32.34	24.21	118.86	-2,255.69	-3,059.26	4,310.23	4,254.57	55.66	77.442		
6,000.00	5,799.31	5,762.53	5,762.17	32.91	24.64	119.21	-2,254.75	-3,060.33	4,324.64	4,268.01	56.63	76.366		
6,100.00	5,895.50	5,896.40	5,896.03	33.48	25.21	119.66	-2,253.05	-3,061.01	4,338.60	4,280.84	57.76	75.117		
6,200.00	5,991.69	5,978.07	5,977.69	34.05	25.56	119.92	-2,252.24	-3,061.09	4,352.38	4,293.76	58.62	74.242		
6,300.00	6,087.89	6,082.84	6,082.45	34.62	26.00	120.27	-2,251.31	-3,061.32	4,366.46	4,306.86	59.61	73.256		
6,400.00	6,184.08	6,208.18	6,207.80	35.19	26.53	120.66	-2,250.90	-3,060.77	4,380.20	4,319.51	60.69	72.173		
6,500.00	6,280.27	6,263.32	6,262.94	35.77	26.77	120.83	-2,250.57	-3,060.69	4,394.22	4,332.80	61.42	71.542		
6,535.30	6,314.23	6,284.28	6,283.90	35.97	26.85	120.90	-2,250.46	-3,060.76	4,399.39	4,337.71	61.69	71.320		
6,550.00	6,328.40	6,300.00	6,299.61	36.05	26.92	117.57	-2,250.39	-3,060.86	4,401.43	4,339.60	61.83	71.186		
6,600.00	6,377.01	6,367.42	6,367.03	36.31	27.21	102.64	-2,249.98	-3,061.14	4,405.84	4,343.46	62.38	70.629		
6,650.00	6,426.00	6,422.33	6,421.94	36.54	27.44	81.80	-2,249.53	-3,061.10	4,406.19	4,343.35	62.84	70.115		
6,700.00	6,475.08	6,457.76	6,457.37	36.73	27.59	58.92	-2,249.35	-3,061.12	4,402.88	4,339.71	63.18	69.693		
6,750.00	6,523.94	6,493.10	6,492.71	36.90	27.74	40.21	-2,249.31	-3,061.22	4,395.97	4,332.49	63.48	69.252		
6,800.00	6,572.28	6,558.08	6,557.69	37.05	28.02	27.28	-2,249.32	-3,061.39	4,385.34	4,321.44	63.91	68.621		
6,850.00	6,619.81	6,614.66	6,614.27	37.19	28.26	18.53	-2,249.18	-3,061.32	4,370.84	4,306.57	64.27	68.006		
6,900.00	6,666.23	6,649.73	6,649.33	37.32	28.41	12.34	-2,249.18	-3,061.30	4,352.82	4,288.31	64.51	67.474		
6,950.00	6,711.25	6,721.35	6,678.26	37.46	28.71	7.70	-2,249.27	-3,061.31	4,331.44	4,266.55	64.89	66.753		
7,000.00	6,754.60	6,722.12	6,721.73	37.61	28.71	4.02	-2,249.60	-3,061.42	4,306.83	4,241.87	64.97	66.292		
7,050.00	6,796.01	6,763.65	6,763.26	37.77	28.89	0.87	-2,249.93	-3,061.53	4,279.03	4,213.82	65.21	65.619		
7,100.00	6,835.22	6,803.00	6,802.60	37.94	29.06	-1.99	-2,250.24	-3,061.63	4,248.20	4,182.76	65.44	64.920		
7,150.00	6,871.99	6,839.91	6,839.51	38.12	29.21	-4.76	-2,250.52	-3,061.72	4,214.54	4,148.89	65.65	64.199		
7,200.00	6,906.10	6,874.16	6,873.76	38.34	29.36	-7.63	-2,250.79	-3,061.81	4,178.25	4,112.40	65.84	63.457		
7,250.00	6,937.34	6,905.54	6,905.14	38.57	29.49	-10.77	-2,251.03	-3,061.89	4,139.56	4,073.53	66.02	62.697		
7,300.00	6,965.51	6,933.85	6,933.45	38.84	29.61	-14.38	-2,251.26	-3,061.96	4,098.71	4,032.52	66.19	61.922		
7,350.00	6,990.44	6,958.92	6,958.52	39.14	29.72	-18.73	-2,251.45	-3,062.03	4,055.96	3,989.61	66.35	61.132		
7,400.00	7,011.97	6,980.60	6,980.20	39.47	29.81	-24.21	-2,251.62	-3,062.08	4,011.58	3,945.09	66.49	60.333		
7,450.00	7,029.98	6,998.75	6,998.35	39.85	29.88	-31.31	-2,251.76	-3,062.13	3,965.85	3,899.22	66.62	59.526		
7,500.00	7,044.34	7,013.26	7,012.86	40.26	29.95	-40.72	-2,251.87	-3,062.17	3,919.05	3,852.30	66.75	58.714		
7,550.00	7,054.99	7,024.04	7,023.64	40.72	29.99	-53.03	-2,251.96	-3,062.19	3,871.49	3,804.63	66.86	57.901		
7,600.00	7,061.83	7,031.02	7,030.62	41.21	30.02	-68.17	-2,252.01	-3,062.21	3,823.47	3,756.49	66.97	57.090		
7,650.00	7,064.85	7,034.16	7,033.76	41.73	30.04	-84.55	-2,252.04	-3,062.22	3,775.28	3,708.21	67.08	56.283		
7,661.89	7,065.00	7,034.34	7,033.94	41.86	30.04	-88.35	-2,252.04	-3,062.22	3,763.84	3,696.74	67.10	56.093		
7,700.00	7,065.13	7,034.57	7,034.17	42.28	30.04	-88.36	-2,252.04	-3,062.22	3,727.18	3,660.00	67.18	55.482		
7,800.00	7,065.47	7,035.16	7,034.76	43.53	30.04	-88.39	-2,252.05	-3,062.22	3,631.12	3,563.71	67.41	53.868		
7,900.00	7,065.82	7,035.76	7,035.36	44.94	30.04	-88.43	-2,252.05	-3,062.22	3,535.29	3,467.61	67.67	52.240		
8,000.00	7,066.16	7,036.35	7,035.95	46.50	30.04	-88.46	-2,252.05	-3,062.22	3,439.69	3,371.71	67.98	50.597		
8,100.00	7,066.50	7,036.95	7,036.54	48.19	30.05	-88.49	-2,252.06	-3,062.23	3,344.35	3,276.01	68.34	48.940		
8,200.00	7,066.85	7,037.54	7,037.14	50.00	30.05	-88.53	-2,252.06	-3,062.23	3,249.29	3,180.55	68.74	47.268		
8,300.00	7,067.19	7,038.13	7,037.73	51.91	30.05	-88.56	-2,252.07	-3,062.23	3,154.53	3,085.33	69.21	45.582		
8,400.00	7,067.54	7,038.73	7,038.33	53.92	30.05	-88.59	-2,252.07	-3,062.23	3,060.11	2,990.38	69.73	43.883		
8,500.00	7,067.88	7,039.32	7,038.92	56.01	30.06	-88.63	-2,252.08	-3,062.23	2,966.05	2,895.72	70.33	42.171		
8,600.00	7,068.22	7,039.92	7,039.51	58.16	30.06	-88.66	-2,252.08	-3,062.23	2,872.40	2,801.38	71.02	40.447		
8,700.00	7,068.57	7,040.51	7,040.11	60.38	30.06	-88.69	-2,252.09	-3,062.23	2,779.19	2,707.40	71.79	38.714		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,041.10	7,040.70	62.65	30.06	-88.73	-2,252.09	-3,062.24	2,686.46	2,613.80	72.66	36.973		
8,900.00	7,069.25	7,041.70	7,041.30	64.97	30.07	-88.76	-2,252.10	-3,062.24	2,594.28	2,520.63	73.64	35.227		
9,000.00	7,069.60	7,042.29	7,041.89	67.34	30.07	-88.79	-2,252.10	-3,062.24	2,502.69	2,427.94	74.75	33.479		
9,100.00	7,069.94	7,042.89	7,042.48	69.74	30.07	-88.83	-2,252.11	-3,062.24	2,411.78	2,335.77	76.00	31.733		
9,200.00	7,070.28	7,043.48	7,043.08	72.18	30.07	-88.86	-2,252.11	-3,062.24	2,321.61	2,244.20	77.41	29.993		
9,300.00	7,070.63	7,044.07	7,043.67	74.65	30.08	-88.89	-2,252.12	-3,062.24	2,232.28	2,153.30	78.98	28.263		
9,400.00	7,070.97	7,044.67	7,044.27	77.15	30.08	-88.93	-2,252.12	-3,062.25	2,143.89	2,063.14	80.75	26.550		
9,500.00	7,071.32	7,045.26	7,044.86	79.67	30.08	-88.96	-2,252.12	-3,062.25	2,056.56	1,973.84	82.73	24.860		
9,600.00	7,071.66	7,045.86	7,045.45	82.22	30.08	-88.99	-2,252.13	-3,062.25	1,970.44	1,885.51	84.94	23.199		
9,700.00	7,072.00	7,046.45	7,046.05	84.78	30.09	-89.03	-2,252.13	-3,062.25	1,885.69	1,798.29	87.40	21.575		
9,800.00	7,072.35	7,047.04	7,046.64	87.37	30.09	-89.06	-2,252.14	-3,062.25	1,802.51	1,712.36	90.15	19.995		
9,900.00	7,072.69	7,047.64	7,047.23	89.97	30.09	-89.09	-2,252.14	-3,062.25	1,721.11	1,627.91	93.20	18.467		
10,000.00	7,073.03	7,048.23	7,047.83	92.59	30.09	-89.13	-2,252.15	-3,062.25	1,641.77	1,545.19	96.58	16.999		
10,100.00	7,073.38	7,048.83	7,048.42	95.22	30.10	-89.16	-2,252.15	-3,062.26	1,564.80	1,464.49	100.31	15.600		
10,200.00	7,073.72	7,049.42	7,049.02	97.86	30.10	-89.19	-2,252.16	-3,062.26	1,490.57	1,386.17	104.40	14.278		
10,300.00	7,074.07	7,050.01	7,049.61	100.52	30.10	-89.23	-2,252.16	-3,062.26	1,419.50	1,310.64	108.86	13.039		
10,400.00	7,074.41	7,050.61	7,050.20	103.19	30.10	-89.26	-2,252.17	-3,062.26	1,352.10	1,238.41	113.69	11.893		
10,500.00	7,074.75	7,051.20	7,050.80	105.87	30.11	-89.29	-2,252.17	-3,062.26	1,288.93	1,170.08	118.86	10.844		
10,600.00	7,075.10	7,051.80	7,051.39	108.55	30.11	-89.32	-2,252.18	-3,062.26	1,230.67	1,106.36	124.31	9.900		
10,700.00	7,075.44	7,052.39	7,051.99	111.25	30.11	-89.36	-2,252.18	-3,062.26	1,178.02	1,048.07	129.94	9.066		
10,800.00	7,075.78	7,052.98	7,052.58	113.96	30.11	-89.39	-2,252.18	-3,062.27	1,131.77	996.14	135.63	8.344		
10,900.00	7,076.13	7,053.58	7,053.17	116.67	30.12	-89.42	-2,252.19	-3,062.27	1,092.75	951.55	141.20	7.739		
11,000.00	7,076.47	7,054.17	7,053.77	119.39	30.12	-89.46	-2,252.19	-3,062.27	1,061.73	915.32	146.41	7.252		
11,100.00	7,076.81	7,054.77	7,054.36	122.11	30.12	-89.49	-2,252.20	-3,062.27	1,039.45	888.42	151.03	6.882		
11,200.00	7,077.16	7,055.36	7,054.96	124.85	30.12	-89.52	-2,252.20	-3,062.27	1,026.47	871.64	154.83	6.629		
11,284.09	7,077.45	7,055.86	7,055.46	127.15	30.13	-89.55	-2,252.21	-3,062.27	1,023.02	865.76	157.26	6.505 CC		
11,300.00	7,077.50	7,055.95	7,055.55	127.58	30.13	-89.56	-2,252.21	-3,062.27	1,023.14	865.51	157.63	6.491 ES		
11,400.00	7,077.85	7,056.55	7,056.14	130.33	30.13	-89.59	-2,252.21	-3,062.28	1,029.57	870.25	159.31	6.463 SF		
11,500.00	7,078.19	7,057.14	7,056.74	133.08	30.13	-89.62	-2,252.22	-3,062.28	1,045.56	885.68	159.88	6.540		
11,600.00	7,078.53	7,057.74	7,057.33	135.83	30.14	-89.66	-2,252.22	-3,062.28	1,070.68	911.29	159.40	6.717		
11,700.00	7,078.88	7,058.33	7,057.93	138.59	30.14	-89.69	-2,252.23	-3,062.28	1,104.33	946.30	158.03	6.988		
11,800.00	7,079.22	7,058.92	7,058.52	141.35	30.14	-89.72	-2,252.23	-3,062.28	1,145.74	989.78	155.96	7.346		
11,900.00	7,079.56	7,059.52	7,059.11	144.11	30.14	-89.76	-2,252.24	-3,062.28	1,194.11	1,040.72	153.39	7.785		
12,000.00	7,079.91	7,060.11	7,059.71	146.88	30.15	-89.79	-2,252.24	-3,062.28	1,248.63	1,098.15	150.48	8.298		
12,100.00	7,080.25	7,060.71	7,060.30	149.66	30.15	-89.82	-2,252.24	-3,062.29	1,308.53	1,161.15	147.39	8.878		
12,200.00	7,080.60	7,061.30	7,060.90	152.43	30.15	-89.86	-2,252.25	-3,062.29	1,373.11	1,228.88	144.22	9.521		
12,300.00	7,080.94	7,061.89	7,061.49	155.21	30.15	-89.89	-2,252.25	-3,062.29	1,441.74	1,300.66	141.08	10.219		
12,400.00	7,081.28	7,062.49	7,062.08	157.99	30.16	-89.92	-2,252.26	-3,062.29	1,513.86	1,375.85	138.01	10.969		
12,500.00	7,081.63	7,063.08	7,062.68	160.78	30.16	-89.96	-2,252.26	-3,062.29	1,589.01	1,453.94	135.07	11.765		
12,600.00	7,081.97	7,063.68	7,063.27	163.57	30.16	-89.99	-2,252.27	-3,062.29	1,666.77	1,534.51	132.26	12.602		
12,700.00	7,082.31	7,064.27	7,063.87	166.36	30.16	-90.02	-2,252.27	-3,062.29	1,746.80	1,617.19	129.60	13.478		
12,800.00	7,082.66	7,064.86	7,064.46	169.15	30.17	-90.06	-2,252.28	-3,062.30	1,828.79	1,701.69	127.10	14.388		
12,900.00	7,083.00	7,065.46	7,065.05	171.94	30.17	-90.09	-2,252.28	-3,062.30	1,912.49	1,787.73	124.76	15.329		
13,000.00	7,083.35	7,066.05	7,065.65	174.74	30.17	-90.12	-2,252.29	-3,062.30	1,997.70	1,875.13	122.57	16.299		
13,100.00	7,083.69	7,066.65	7,066.24	177.54	30.17	-90.16	-2,252.29	-3,062.30	2,084.22	1,963.70	120.52	17.294		
13,200.00	7,084.03	7,067.24	7,066.84	180.34	30.18	-90.19	-2,252.30	-3,062.30	2,171.90	2,053.29	118.61	18.312		
13,300.00	7,084.38	7,067.83	7,067.43	183.14	30.18	-90.22	-2,252.30	-3,062.30	2,260.60	2,143.77	116.82	19.350		
13,400.00	7,084.72	7,068.43	7,068.02	185.95	30.18	-90.26	-2,252.31	-3,062.31	2,350.21	2,235.05	115.16	20.408		
13,500.00	7,085.06	7,069.02	7,068.62	188.76	30.18	-90.29	-2,252.31	-3,062.31	2,440.62	2,327.02	113.61	21.483		
13,600.00	7,085.41	7,069.62	7,069.21	191.56	30.19	-90.32	-2,252.31	-3,062.31	2,531.76	2,419.60	112.15	22.574		
13,700.00	7,085.75	7,070.21	7,069.81	194.37	30.19	-90.36	-2,252.32	-3,062.31	2,623.54	2,512.74	110.80	23.678		
13,800.00	7,086.09	7,070.80	7,070.40	197.18	30.19	-90.39	-2,252.32	-3,062.31	2,715.90	2,606.37	109.53	24.796		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,071.40	7,070.99	200.00	30.19	-90.42	-2,252.33	-3,062.31	2,808.79	2,700.45	108.34	25.925		
14,000.00	7,086.78	7,071.99	7,071.59	202.81	30.20	-90.46	-2,252.33	-3,062.31	2,902.15	2,794.92	107.23	27.065		
14,100.00	7,087.13	7,072.59	7,072.18	205.63	30.20	-90.49	-2,252.34	-3,062.32	2,995.93	2,889.75	106.19	28.214		
14,200.00	7,087.47	7,073.18	7,072.78	208.44	30.20	-90.52	-2,252.34	-3,062.32	3,090.11	2,984.90	105.21	29.371		
14,300.00	7,087.81	7,073.77	7,073.37	211.26	30.20	-90.56	-2,252.35	-3,062.32	3,184.64	3,080.35	104.29	30.537		
14,400.00	7,088.16	7,074.37	7,073.96	214.08	30.21	-90.59	-2,252.35	-3,062.32	3,279.50	3,176.07	103.42	31.709		
14,500.00	7,088.50	7,074.96	7,074.56	216.90	30.21	-90.62	-2,252.36	-3,062.32	3,374.65	3,272.04	102.61	32.888		
14,600.00	7,088.84	7,075.56	7,075.15	219.72	30.21	-90.66	-2,252.36	-3,062.32	3,470.08	3,368.23	101.84	34.073		
14,700.00	7,089.19	7,076.15	7,075.75	222.54	30.21	-90.69	-2,252.37	-3,062.33	3,565.75	3,464.63	101.12	35.262		
14,800.00	7,089.53	7,076.74	7,076.34	225.37	30.22	-90.72	-2,252.37	-3,062.33	3,661.66	3,561.22	100.44	36.457		
14,900.00	7,089.88	7,077.34	7,076.93	228.19	30.22	-90.76	-2,252.37	-3,062.33	3,757.78	3,657.98	99.80	37.655		
15,000.00	7,090.22	7,077.93	7,077.53	231.02	30.22	-90.79	-2,252.38	-3,062.33	3,854.10	3,754.91	99.19	38.857		
15,100.00	7,090.56	7,078.53	7,078.12	233.84	30.22	-90.82	-2,252.38	-3,062.33	3,950.60	3,851.98	98.61	40.062		
15,200.00	7,090.91	7,079.12	7,078.72	236.67	30.23	-90.85	-2,252.39	-3,062.33	4,047.27	3,949.20	98.07	41.270		
15,227.29	7,091.00	7,079.28	7,078.88	237.44	30.23	-90.86	-2,252.39	-3,062.33	4,073.67	3,975.75	97.92	41.600		
15,300.00	7,091.25	7,079.72	7,079.32	239.49	30.23	-90.82	-2,252.39	-3,062.33	4,143.86	4,046.33	97.53	42.487		
15,326.57	7,091.35	7,079.89	7,079.48	240.24	30.23	-90.80	-2,252.39	-3,062.33	4,169.40	4,072.02	97.38	42.815		
15,400.00	7,091.60	7,080.35	7,079.95	242.30	30.23	-90.82	-2,252.40	-3,062.34	4,239.98	4,143.01	96.97	43.723		
15,500.00	7,091.96	7,080.98	7,080.58	245.12	30.23	-90.85	-2,252.40	-3,062.34	4,336.24	4,239.80	96.44	44.962		
15,600.00	7,092.31	7,081.61	7,081.20	247.93	30.24	-90.89	-2,252.41	-3,062.34	4,432.67	4,336.74	95.94	46.204		
15,700.00	7,092.66	7,082.24	7,081.83	250.75	30.24	-90.92	-2,252.41	-3,062.34	4,529.26	4,433.80	95.46	47.448		
15,800.00	7,093.01	7,082.87	7,082.46	253.56	30.24	-90.95	-2,252.42	-3,062.34	4,625.99	4,530.99	95.00	48.693		
15,900.00	7,093.36	7,083.49	7,083.09	256.38	30.24	-90.98	-2,252.42	-3,062.34	4,722.85	4,628.28	94.57	49.940		
16,000.00	7,093.71	7,084.12	7,083.72	259.20	30.25	-91.01	-2,252.43	-3,062.35	4,819.85	4,725.69	94.16	51.189		
16,100.00	7,094.07	7,084.75	7,084.35	262.02	30.25	-91.04	-2,252.43	-3,062.35	4,916.96	4,823.19	93.77	52.438		
16,200.00	7,094.42	7,085.38	7,084.98	264.84	30.25	-91.07	-2,252.44	-3,062.35	5,014.19	4,920.79	93.40	53.687		
16,300.00	7,094.77	7,086.01	7,085.61	267.65	30.25	-91.10	-2,252.44	-3,062.35	5,111.52	5,018.48	93.04	54.937		
16,400.00	7,095.12	7,086.64	7,086.24	270.47	30.26	-91.13	-2,252.45	-3,062.35	5,208.96	5,116.25	92.71	56.188		
16,500.00	7,095.47	7,087.27	7,086.86	273.30	30.26	-91.16	-2,252.45	-3,062.35	5,306.49	5,214.10	92.39	57.438		
16,600.00	7,095.82	7,087.90	7,087.49	276.12	30.26	-91.20	-2,252.46	-3,062.36	5,404.11	5,312.03	92.08	58.688		
16,700.00	7,096.18	7,088.53	7,088.12	278.94	30.27	-91.23	-2,252.46	-3,062.36	5,501.81	5,410.02	91.79	59.938		
16,800.00	7,096.53	7,089.16	7,088.75	281.76	30.27	-91.26	-2,252.47	-3,062.36	5,599.60	5,508.09	91.52	61.187		
16,900.00	7,096.88	7,089.78	7,089.38	284.58	30.27	-91.29	-2,252.47	-3,062.36	5,697.46	5,606.21	91.25	62.436		
17,000.00	7,097.23	7,090.41	7,090.01	287.41	30.27	-91.32	-2,252.48	-3,062.36	5,795.40	5,704.40	91.00	63.683		
17,100.00	7,097.58	7,091.04	7,090.64	290.23	30.28	-91.35	-2,252.48	-3,062.36	5,893.41	5,802.64	90.77	64.930		
17,200.00	7,097.93	7,091.67	7,091.27	293.06	30.28	-91.38	-2,252.49	-3,062.36	5,991.48	5,900.94	90.54	66.176		
17,300.00	7,098.29	7,092.30	7,091.90	295.88	30.28	-91.41	-2,252.49	-3,062.37	6,089.61	5,999.29	90.32	67.420		
17,400.00	7,098.64	7,092.93	7,092.52	298.71	30.28	-91.44	-2,252.50	-3,062.37	6,187.81	6,097.69	90.12	68.663		
17,500.00	7,098.99	7,093.56	7,093.15	301.53	30.29	-91.47	-2,252.50	-3,062.37	6,286.06	6,196.14	89.92	69.905		
17,600.00	7,099.34	7,094.19	7,093.78	304.36	30.29	-91.51	-2,252.51	-3,062.37	6,384.36	6,294.63	89.74	71.145		
17,700.00	7,099.69	7,094.82	7,094.41	307.19	30.29	-91.54	-2,252.51	-3,062.37	6,482.72	6,393.16	89.56	72.383		
17,800.00	7,100.04	7,095.44	7,095.04	310.01	30.29	-91.57	-2,252.52	-3,062.37	6,581.13	6,491.73	89.39	73.620		
17,900.00	7,100.40	7,096.07	7,095.67	312.84	30.30	-91.60	-2,252.52	-3,062.38	6,679.58	6,590.35	89.23	74.855		
18,000.00	7,100.75	7,096.70	7,096.30	315.67	30.30	-91.63	-2,252.53	-3,062.38	6,778.08	6,689.00	89.08	76.087		
18,100.00	7,101.10	7,097.33	7,096.93	318.50	30.30	-91.66	-2,252.53	-3,062.38	6,876.62	6,787.68	88.94	77.318		
18,200.00	7,101.45	7,097.96	7,097.56	321.33	30.31	-91.69	-2,252.54	-3,062.38	6,975.20	6,886.40	88.80	78.547		
18,300.00	7,101.80	7,098.59	7,098.18	324.16	30.31	-91.72	-2,252.54	-3,062.38	7,073.83	6,985.15	88.67	79.773		
18,400.00	7,102.16	7,099.22	7,098.81	326.99	30.31	-91.75	-2,252.55	-3,062.38	7,172.49	7,083.94	88.55	80.997		
18,500.00	7,102.51	7,099.85	7,099.44	329.82	30.31	-91.78	-2,252.55	-3,062.39	7,271.19	7,182.75	88.44	82.219		
18,600.00	7,102.86	7,100.48	7,100.07	332.65	30.32	-91.82	-2,252.55	-3,062.39	7,369.92	7,281.59	88.33	83.438		
18,700.00	7,103.21	7,101.11	7,100.70	335.48	30.32	-91.85	-2,252.56	-3,062.39	7,468.69	7,380.46	88.23	84.655		
18,800.00	7,103.56	7,101.73	7,101.33	338.31	30.32	-91.88	-2,252.56	-3,062.39	7,567.49	7,479.36	88.13	85.869		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - Jeff #1 - 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	
18,900.00	7,103.91	7,102.36	7,101.96	341.14	30.32	-91.91	-2,252.57	-3,062.39	7,666.32	7,578.28	88.04	87.081	
18,924.52	7,104.00	7,102.52	7,102.11	341.83	30.32	-91.92	-2,252.57	-3,062.39	7,690.55	7,602.53	88.02	87.378	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	5.49	5.49	3.28	3.28	-120.11	-983.93	-1,696.47	1,961.15					
100.00	100.00	115.34	115.34	3.28	3.29	-120.11	-983.63	-1,696.29	1,960.88	1,954.30	6.57	298.267		
200.00	200.00	213.93	213.93	3.34	3.35	-120.11	-983.55	-1,695.81	1,960.41	1,953.72	6.69	292.966		
238.94	238.94	251.68	251.68	3.37	3.39	106.89	-983.60	-1,695.60	1,960.32	1,953.56	6.76	289.839		
300.00	299.98	310.69	310.68	3.44	3.47	106.92	-983.70	-1,695.30	1,960.54	1,953.64	6.91	283.909		
400.00	399.84	406.32	406.31	3.59	3.62	107.02	-983.95	-1,694.97	1,961.90	1,954.69	7.21	272.126		
500.00	499.45	508.63	508.63	3.80	3.82	107.22	-984.12	-1,694.70	1,964.33	1,956.72	7.61	257.966		
600.00	598.70	605.29	605.29	4.04	4.05	107.48	-984.11	-1,694.55	1,967.85	1,959.77	8.09	243.302		
700.00	697.47	692.26	692.26	4.32	4.28	107.76	-984.07	-1,694.81	1,972.88	1,964.27	8.60	229.316		
800.00	795.62	787.06	787.05	4.65	4.55	108.14	-984.22	-1,695.40	1,979.49	1,970.29	9.20	215.194		
900.00	893.06	890.81	890.80	5.02	4.87	108.64	-984.40	-1,695.95	1,987.32	1,977.44	9.88	201.168		
993.00	982.91	981.59	981.58	5.39	5.16	109.13	-984.24	-1,696.37	1,995.63	1,985.08	10.54	189.273		
1,000.00	989.65	988.35	988.34	5.42	5.18	109.18	-984.23	-1,696.40	1,996.30	1,985.70	10.60	188.408		
1,100.00	1,085.84	1,090.23	1,090.22	5.86	5.53	109.94	-984.17	-1,696.65	2,005.96	1,994.59	11.37	176.436		
1,200.00	1,182.03	1,180.52	1,180.51	6.32	5.84	110.59	-984.42	-1,696.67	2,015.91	2,003.78	12.13	166.134		
1,300.00	1,278.22	1,265.06	1,265.05	6.79	6.14	111.20	-984.94	-1,696.97	2,026.60	2,013.69	12.90	157.083		
1,400.00	1,374.42	1,358.10	1,358.08	7.28	6.48	111.88	-985.23	-1,697.94	2,038.07	2,024.35	13.72	148.557		
1,500.00	1,470.61	1,466.24	1,466.22	7.79	6.89	112.63	-986.05	-1,698.55	2,049.62	2,035.00	14.61	140.263		
1,600.00	1,566.80	1,577.12	1,577.10	8.30	7.31	113.40	-986.71	-1,698.37	2,060.74	2,045.21	15.53	132.672		
1,700.00	1,663.00	1,682.19	1,682.16	8.82	7.71	114.11	-987.12	-1,697.64	2,071.60	2,055.16	16.44	125.999		
1,800.00	1,759.19	1,760.58	1,760.55	9.34	8.01	114.65	-987.20	-1,697.28	2,082.89	2,065.64	17.25	120.751		
1,900.00	1,855.38	1,846.24	1,846.21	9.87	8.35	115.24	-987.29	-1,697.81	2,095.38	2,077.29	18.09	115.813		
2,000.00	1,951.58	1,946.14	1,946.10	10.41	8.74	115.91	-987.83	-1,698.22	2,108.14	2,089.14	19.00	110.939		
2,100.00	2,047.77	2,048.52	2,048.48	10.95	9.15	116.58	-988.34	-1,698.47	2,121.01	2,101.08	19.93	106.427		
2,200.00	2,143.96	2,146.77	2,146.73	11.49	9.55	117.22	-988.81	-1,698.36	2,133.82	2,112.98	20.84	102.380		
2,300.00	2,240.16	2,237.07	2,237.03	12.04	9.91	117.81	-988.88	-1,698.57	2,147.09	2,125.36	21.72	98.840		
2,400.00	2,336.35	2,331.82	2,331.78	12.58	10.29	118.42	-989.20	-1,698.94	2,160.83	2,138.21	22.63	95.502		
2,500.00	2,432.54	2,433.20	2,433.16	13.13	10.70	119.06	-989.69	-1,699.10	2,174.67	2,151.11	23.56	92.295		
2,600.00	2,528.74	2,531.05	2,531.01	13.69	11.10	119.66	-990.18	-1,699.12	2,188.64	2,164.15	24.48	89.391		
2,700.00	2,624.93	2,630.17	2,630.12	14.24	11.51	120.27	-990.57	-1,699.08	2,202.75	2,177.34	25.41	86.678		
2,800.00	2,721.12	2,727.57	2,727.52	14.80	11.91	120.86	-990.92	-1,698.90	2,216.97	2,190.64	26.34	84.182		
2,900.00	2,817.32	2,822.80	2,822.75	15.35	12.30	121.42	-991.57	-1,698.77	2,231.54	2,204.30	27.25	81.896		
3,000.00	2,913.51	2,927.58	2,927.53	15.91	12.74	122.03	-992.23	-1,698.24	2,245.98	2,217.78	28.21	79.622		
3,100.00	3,009.70	3,016.51	3,016.46	16.47	13.10	122.55	-992.60	-1,697.98	2,260.79	2,231.70	29.09	77.712		
3,200.00	3,105.90	3,114.41	3,114.35	17.03	13.51	123.12	-992.88	-1,697.75	2,275.85	2,245.83	30.02	75.814		
3,300.00	3,202.09	3,199.45	3,199.40	17.59	13.86	123.61	-993.16	-1,697.76	2,291.38	2,260.50	30.88	74.197		
3,400.00	3,298.28	3,287.88	3,287.83	18.15	14.23	124.11	-993.43	-1,698.16	2,307.52	2,275.76	31.76	72.651		
3,500.00	3,394.48	3,389.20	3,389.14	18.72	14.65	124.67	-993.82	-1,698.70	2,323.97	2,291.26	32.71	71.055		
3,600.00	3,490.67	3,483.76	3,483.70	19.28	15.05	125.19	-994.29	-1,699.05	2,340.49	2,306.87	33.62	69.623		
3,700.00	3,586.86	3,572.05	3,571.99	19.84	15.42	125.67	-994.58	-1,699.58	2,357.41	2,322.92	34.49	68.343		
3,800.00	3,683.06	3,674.36	3,674.29	20.41	15.85	126.22	-995.34	-1,700.29	2,374.68	2,339.23	35.44	66.998		
3,900.00	3,779.25	3,773.79	3,773.72	20.97	16.26	126.72	-996.48	-1,700.57	2,391.80	2,355.42	36.38	65.746		
4,000.00	3,875.44	3,863.65	3,863.57	21.54	16.64	127.18	-997.49	-1,700.89	2,409.17	2,371.91	37.26	64.653		
4,100.00	3,971.64	3,949.86	3,949.77	22.11	17.00	127.61	-998.31	-1,701.55	2,427.08	2,388.95	38.13	63.659		
4,200.00	4,067.83	4,039.16	4,039.07	22.67	17.38	128.06	-998.77	-1,702.65	2,445.55	2,406.54	39.00	62.700		
4,300.00	4,164.02	4,133.72	4,133.62	23.24	17.78	128.54	-999.13	-1,703.94	2,464.30	2,424.39	39.91	61.747		
4,400.00	4,260.22	4,234.09	4,233.98	23.81	18.20	129.05	-999.24	-1,705.39	2,483.28	2,442.43	40.85	60.795		
4,500.00	4,356.41	4,352.26	4,352.14	24.37	18.69	129.66	-998.08	-1,706.49	2,501.83	2,459.95	41.88	59.737		
4,600.00	4,452.60	4,467.02	4,466.88	24.94	19.18	130.25	-996.81	-1,706.59	2,519.75	2,476.85	42.89	58.743		
4,700.00	4,548.79	4,564.83	4,564.69	25.51	19.58	130.74	-995.84	-1,706.21	2,537.41	2,493.59	43.81	57.913		
4,800.00	4,644.99	4,654.47	4,654.33	26.08	19.96	131.17	-995.44	-1,705.96	2,555.40	2,510.71	44.69	57.181		
4,900.00	4,741.18	4,760.59	4,760.45	26.65	20.41	131.68	-994.43	-1,705.83	2,573.68	2,528.03	45.65	56.373		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,856.50	4,856.35	27.21	20.81	132.14	-993.59	-1,705.19	2,591.61	2,545.04	46.56	55.659		
5,100.00	4,933.57	4,955.02	4,954.87	27.78	21.22	132.59	-993.32	-1,704.79	2,609.98	2,562.50	47.48	54.964		
5,200.00	5,029.76	5,048.06	5,047.90	28.35	21.62	133.02	-992.96	-1,704.12	2,628.21	2,579.83	48.38	54.328		
5,300.00	5,125.95	5,130.13	5,129.97	28.92	21.96	133.39	-992.44	-1,704.00	2,647.12	2,597.91	49.20	53.799		
5,400.00	5,222.15	5,220.99	5,220.83	29.49	22.34	133.80	-991.80	-1,704.16	2,666.49	2,616.41	50.08	53.244		
5,500.00	5,318.34	5,314.34	5,314.18	30.06	22.74	134.21	-991.09	-1,704.46	2,686.14	2,635.17	50.97	52.701		
5,600.00	5,414.53	5,409.34	5,409.18	30.63	23.14	134.63	-990.45	-1,704.81	2,706.00	2,654.13	51.87	52.171		
5,700.00	5,510.73	5,500.11	5,499.94	31.20	23.52	135.02	-989.97	-1,705.26	2,726.12	2,673.38	52.74	51.689		
5,800.00	5,606.92	5,606.31	5,606.14	31.77	23.97	135.47	-989.49	-1,705.68	2,746.29	2,692.58	53.71	51.136		
5,900.00	5,703.11	5,691.36	5,691.19	32.34	24.33	135.82	-989.12	-1,706.06	2,766.63	2,712.09	54.54	50.724		
6,000.00	5,799.31	5,793.43	5,793.26	32.91	24.76	136.24	-988.61	-1,706.60	2,787.19	2,731.71	55.48	50.236		
6,100.00	5,895.50	5,892.28	5,892.11	33.48	25.18	136.64	-988.09	-1,706.93	2,807.70	2,751.30	56.40	49.781		
6,200.00	5,991.69	5,978.60	5,978.42	34.05	25.55	136.98	-987.81	-1,707.32	2,828.43	2,771.19	57.24	49.411		
6,300.00	6,087.89	6,113.14	6,112.96	34.62	26.12	137.50	-987.60	-1,707.48	2,849.03	2,790.65	58.38	48.804		
6,400.00	6,184.08	6,181.62	6,181.44	35.19	26.41	137.76	-987.59	-1,707.45	2,869.48	2,810.36	59.11	48.542		
6,500.00	6,280.27	6,265.67	6,265.49	35.77	26.76	138.06	-987.91	-1,707.90	2,890.62	2,830.68	59.94	48.225		
6,535.30	6,314.23	6,296.40	6,296.21	35.97	26.90	138.17	-988.17	-1,708.14	2,898.18	2,837.94	60.24	48.112		
6,550.00	6,328.40	6,307.90	6,307.71	36.05	26.94	134.77	-988.28	-1,708.24	2,901.18	2,840.83	60.35	48.070		
6,600.00	6,377.01	6,345.52	6,345.33	36.31	27.10	119.65	-988.62	-1,708.66	2,909.02	2,848.30	60.72	47.906		
6,650.00	6,426.00	6,383.44	6,383.25	36.54	27.27	98.77	-988.92	-1,709.22	2,913.19	2,852.11	61.08	47.697		
6,700.00	6,475.08	6,424.85	6,424.65	36.73	27.44	76.04	-989.15	-1,709.98	2,913.63	2,852.20	61.43	47.433		
6,750.00	6,523.94	6,468.68	6,468.47	36.90	27.63	57.59	-989.13	-1,710.85	2,910.27	2,848.51	61.76	47.121		
6,800.00	6,572.28	6,512.16	6,511.94	37.05	27.81	45.00	-988.82	-1,711.78	2,903.14	2,841.07	62.07	46.775		
6,850.00	6,619.81	6,555.27	6,555.04	37.19	28.00	36.74	-988.32	-1,712.76	2,892.26	2,829.92	62.34	46.393		
6,900.00	6,666.23	6,597.44	6,597.19	37.32	28.17	31.23	-987.67	-1,713.77	2,877.71	2,815.12	62.59	45.976		
6,950.00	6,711.25	6,696.55	6,696.26	37.46	28.60	27.75	-985.71	-1,715.29	2,859.13	2,795.93	63.19	45.244		
7,000.00	6,754.60	6,739.45	6,739.16	37.61	28.78	25.16	-984.82	-1,715.52	2,836.56	2,773.15	63.41	44.731		
7,050.00	6,796.01	6,778.66	6,778.35	37.77	28.94	23.34	-984.17	-1,715.77	2,810.65	2,747.05	63.60	44.195		
7,100.00	6,835.22	6,816.66	6,816.35	37.94	29.11	22.12	-983.69	-1,716.05	2,781.54	2,717.78	63.76	43.625		
7,150.00	6,871.99	6,853.27	6,852.96	38.12	29.26	21.37	-983.20	-1,716.33	2,749.38	2,685.48	63.90	43.023		
7,200.00	6,906.10	6,887.26	6,886.94	38.34	29.41	21.04	-982.69	-1,716.59	2,714.38	2,650.35	64.03	42.394		
7,250.00	6,937.34	6,920.30	6,919.98	38.57	29.55	21.11	-982.15	-1,716.83	2,676.73	2,612.59	64.14	41.733		
7,300.00	6,965.51	6,951.22	6,950.90	38.84	29.68	21.61	-981.57	-1,717.02	2,636.64	2,572.41	64.24	41.045		
7,350.00	6,990.44	6,978.52	6,978.18	39.14	29.79	22.61	-981.00	-1,717.16	2,594.37	2,530.05	64.32	40.338		
7,400.00	7,011.97	7,002.02	7,001.68	39.47	29.89	24.26	-980.47	-1,717.25	2,550.18	2,485.80	64.37	39.615		
7,450.00	7,029.98	7,020.70	7,020.35	39.85	29.97	26.82	-980.03	-1,717.32	2,504.34	2,439.93	64.41	38.881		
7,500.00	7,044.34	7,035.69	7,035.34	40.26	30.04	30.93	-979.68	-1,717.37	2,457.15	2,392.71	64.43	38.135		
7,550.00	7,054.99	7,046.82	7,046.47	40.72	30.08	37.88	-979.42	-1,717.40	2,408.88	2,344.44	64.44	37.380		
7,600.00	7,061.83	7,054.04	7,053.69	41.21	30.11	50.82	-979.25	-1,717.42	2,359.85	2,295.40	64.44	36.618		
7,650.00	7,064.85	7,057.30	7,056.95	41.73	30.13	76.66	-979.18	-1,717.43	2,310.33	2,245.90	64.44	35.854		
7,661.89	7,065.00	7,057.49	7,057.14	41.86	30.13	85.39	-979.17	-1,717.43	2,298.52	2,234.09	64.44	35.672		
7,700.00	7,065.13	7,057.75	7,057.39	42.28	30.13	85.45	-979.17	-1,717.43	2,260.66	2,196.23	64.43	35.089		
7,800.00	7,065.47	7,058.41	7,058.06	43.53	30.13	85.60	-979.15	-1,717.44	2,161.34	2,096.93	64.41	33.558		
7,900.00	7,065.82	7,059.08	7,058.72	44.94	30.14	85.75	-979.14	-1,717.44	2,062.09	1,997.70	64.39	32.024		
8,000.00	7,066.16	7,059.74	7,059.38	46.50	30.14	85.89	-979.12	-1,717.44	1,962.91	1,898.53	64.38	30.488		
8,100.00	7,066.50	7,060.40	7,060.04	48.19	30.14	86.04	-979.11	-1,717.44	1,863.83	1,799.44	64.39	28.948		
8,200.00	7,066.85	7,061.05	7,060.70	50.00	30.14	86.18	-979.09	-1,717.44	1,764.84	1,700.44	64.40	27.404		
8,300.00	7,067.19	7,061.71	7,061.35	51.91	30.15	86.33	-979.08	-1,717.45	1,665.98	1,601.54	64.43	25.855		
8,400.00	7,067.54	7,062.36	7,062.01	53.92	30.15	86.48	-979.06	-1,717.45	1,567.26	1,502.77	64.49	24.302		
8,500.00	7,067.88	7,063.02	7,062.66	56.01	30.15	86.62	-979.05	-1,717.45	1,468.71	1,404.13	64.58	22.743		
8,600.00	7,068.22	7,063.67	7,063.31	58.16	30.16	86.77	-979.03	-1,717.45	1,370.37	1,305.66	64.71	21.176		
8,700.00	7,068.57	7,064.32	7,063.96	60.38	30.16	86.91	-979.02	-1,717.45	1,272.29	1,207.39	64.91	19.602		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,064.96	7,064.61	62.65	30.16	87.05	-979.00	-1,717.46	1,174.54	1,109.35	65.19	18.017		
8,900.00	7,069.25	7,065.61	7,065.25	64.97	30.16	87.20	-978.99	-1,717.46	1,077.20	1,011.60	65.59	16.422		
9,000.00	7,069.60	7,066.25	7,065.89	67.34	30.17	87.34	-978.97	-1,717.46	980.39	914.21	66.18	14.814		
9,100.00	7,069.94	7,066.89	7,066.53	69.74	30.17	87.48	-978.96	-1,717.46	884.29	817.26	67.03	13.192		
9,200.00	7,070.28	7,067.53	7,067.17	72.18	30.17	87.62	-978.94	-1,717.46	789.17	720.88	68.28	11.558		
9,300.00	7,070.63	7,068.17	7,067.81	74.65	30.17	87.77	-978.93	-1,717.46	695.41	625.27	70.14	9.915		
9,400.00	7,070.97	7,068.80	7,068.45	77.15	30.18	87.91	-978.91	-1,717.47	603.65	530.71	72.94	8.276		
9,500.00	7,071.32	7,069.44	7,069.08	79.67	30.18	88.05	-978.90	-1,717.47	514.98	437.78	77.20	6.671		
9,600.00	7,071.66	7,070.07	7,069.71	82.22	30.18	88.19	-978.88	-1,717.47	431.28	347.60	83.68	5.154		
9,700.00	7,072.00	7,070.70	7,070.34	84.78	30.19	88.33	-978.87	-1,717.47	356.10	262.84	93.27	3.818		
9,800.00	7,072.35	7,071.33	7,070.97	87.37	30.19	88.47	-978.85	-1,717.47	296.00	190.03	105.96	2.793		
9,900.00	7,072.69	7,071.96	7,071.60	89.97	30.19	88.61	-978.84	-1,717.47	261.57	143.54	118.03	2.216		
9,945.99	7,072.85	7,072.24	7,071.89	91.17	30.19	88.67	-978.83	-1,717.48	257.49	136.38	121.11	2.126 CC, ES, SF		
10,000.00	7,073.03	7,072.58	7,072.22	92.59	30.19	88.75	-978.82	-1,717.48	263.09	141.44	121.65	2.163		
10,100.00	7,073.38	7,073.20	7,072.85	95.22	30.20	88.89	-978.81	-1,717.48	300.03	184.43	115.60	2.595		
10,200.00	7,073.72	7,126.25	7,073.39	97.86	30.42	89.01	-978.80	-1,717.48	361.69	255.00	106.68	3.390		
10,300.00	7,074.07	7,125.66	7,073.98	100.52	30.42	89.14	-978.78	-1,717.49	437.74	339.10	98.64	4.438		
10,400.00	7,074.41	7,125.08	7,074.56	103.19	30.42	89.27	-978.77	-1,717.49	521.93	429.45	92.48	5.644		
10,500.00	7,074.75	7,124.49	7,075.15	105.87	30.41	89.40	-978.76	-1,717.49	610.91	523.00	87.91	6.949		
10,600.00	7,075.10	7,123.90	7,075.74	108.55	30.41	89.53	-978.74	-1,717.49	702.86	618.35	84.50	8.317		
10,700.00	7,075.44	7,123.32	7,076.32	111.25	30.41	89.66	-978.73	-1,717.49	796.75	714.83	81.92	9.726		
10,800.00	7,075.78	7,122.73	7,076.91	113.96	30.41	89.79	-978.72	-1,717.49	891.96	812.05	79.92	11.161		
10,900.00	7,076.13	7,122.15	7,077.49	116.67	30.40	89.92	-978.70	-1,717.49	988.13	909.78	78.34	12.613		
11,000.00	7,076.47	7,121.56	7,078.08	119.39	30.40	90.05	-978.69	-1,717.49	1,084.98	1,007.90	77.08	14.076		
11,100.00	7,076.81	7,120.97	7,078.67	122.11	30.40	90.18	-978.67	-1,717.50	1,182.36	1,106.31	76.06	15.546		
11,200.00	7,077.16	7,120.39	7,079.25	124.85	30.40	90.31	-978.66	-1,717.50	1,280.15	1,204.93	75.21	17.021		
11,300.00	7,077.50	7,119.80	7,079.84	127.58	30.39	90.44	-978.65	-1,717.50	1,378.25	1,303.74	74.51	18.498		
11,400.00	7,077.85	7,119.22	7,080.42	130.33	30.39	90.57	-978.63	-1,717.50	1,476.60	1,402.69	73.91	19.977		
11,500.00	7,078.19	7,118.63	7,081.01	133.08	30.39	90.70	-978.62	-1,717.50	1,575.17	1,501.75	73.41	21.457		
11,600.00	7,078.53	7,118.04	7,081.59	135.83	30.39	90.83	-978.61	-1,717.50	1,673.90	1,600.92	72.98	22.936		
11,700.00	7,078.88	7,117.46	7,082.18	138.59	30.38	90.96	-978.59	-1,717.50	1,772.77	1,700.16	72.61	24.415		
11,800.00	7,079.22	7,116.87	7,082.77	141.35	30.38	91.09	-978.58	-1,717.51	1,871.77	1,799.48	72.29	25.892		
11,900.00	7,079.56	7,116.29	7,083.35	144.11	30.38	91.22	-978.57	-1,717.51	1,970.86	1,898.85	72.01	27.369		
12,000.00	7,079.91	7,115.70	7,083.94	146.88	30.38	91.35	-978.55	-1,717.51	2,070.05	1,998.28	71.77	28.844		
12,100.00	7,080.25	7,115.11	7,084.52	149.66	30.37	91.48	-978.54	-1,717.51	2,169.30	2,097.75	71.55	30.317		
12,200.00	7,080.60	7,114.53	7,085.11	152.43	30.37	91.61	-978.53	-1,717.51	2,268.62	2,197.26	71.37	31.788		
12,300.00	7,080.94	7,113.94	7,085.70	155.21	30.37	91.74	-978.51	-1,717.51	2,368.00	2,296.80	71.20	33.258		
12,400.00	7,081.28	7,113.36	7,086.28	157.99	30.37	91.87	-978.50	-1,717.51	2,467.43	2,396.38	71.06	34.725		
12,500.00	7,081.63	7,112.77	7,086.87	160.78	30.36	92.00	-978.49	-1,717.52	2,566.91	2,495.98	70.93	36.190		
12,600.00	7,081.97	7,112.18	7,087.45	163.57	30.36	92.13	-978.47	-1,717.52	2,666.42	2,595.60	70.82	37.653		
12,700.00	7,082.31	7,111.60	7,088.04	166.36	30.36	92.26	-978.46	-1,717.52	2,765.97	2,695.25	70.72	39.113		
12,800.00	7,082.66	7,111.01	7,088.63	169.15	30.36	92.39	-978.44	-1,717.52	2,865.55	2,794.92	70.63	40.571		
12,900.00	7,083.00	7,110.43	7,089.21	171.94	30.35	92.52	-978.43	-1,717.52	2,965.15	2,894.60	70.55	42.027		
13,000.00	7,083.35	7,109.84	7,089.80	174.74	30.35	92.65	-978.42	-1,717.52	3,064.79	2,994.30	70.49	43.480		
13,100.00	7,083.69	7,109.25	7,090.38	177.54	30.35	92.78	-978.40	-1,717.52	3,164.44	3,094.01	70.43	44.930		
13,200.00	7,084.03	7,108.67	7,090.97	180.34	30.35	92.91	-978.39	-1,717.52	3,264.12	3,193.74	70.38	46.378		
13,300.00	7,084.38	7,108.08	7,091.55	183.14	30.34	93.04	-978.38	-1,717.53	3,363.82	3,293.48	70.34	47.823		
13,400.00	7,084.72	7,107.50	7,092.14	185.95	30.34	93.17	-978.36	-1,717.53	3,463.53	3,393.22	70.30	49.265		
13,500.00	7,085.06	7,106.91	7,092.73	188.76	30.34	93.30	-978.35	-1,717.53	3,563.26	3,492.98	70.27	50.705		
13,600.00	7,085.41	7,106.32	7,093.31	191.56	30.34	93.43	-978.34	-1,717.53	3,663.00	3,592.75	70.25	52.141		
13,700.00	7,085.75	7,105.74	7,093.90	194.37	30.33	93.56	-978.32	-1,717.53	3,762.76	3,692.53	70.23	53.575		
13,800.00	7,086.09	7,105.15	7,094.48	197.18	30.33	93.69	-978.31	-1,717.53	3,862.53	3,792.31	70.22	55.006		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,104.57	7,095.07	200.00	30.33	93.82	-978.30	-1,717.53	3,962.31	3,892.10	70.21	56.433		
14,000.00	7,086.78	7,103.98	7,095.66	202.81	30.33	93.95	-978.28	-1,717.54	4,062.10	3,991.89	70.21	57.858		
14,100.00	7,087.13	7,103.39	7,096.24	205.63	30.32	94.08	-978.27	-1,717.54	4,161.90	4,091.70	70.21	59.279		
14,200.00	7,087.47	7,102.81	7,096.83	208.44	30.32	94.21	-978.26	-1,717.54	4,261.72	4,191.50	70.21	60.698		
14,300.00	7,087.81	7,102.22	7,097.41	211.26	30.32	94.34	-978.24	-1,717.54	4,361.54	4,291.32	70.22	62.113		
14,400.00	7,088.16	7,101.64	7,098.00	214.08	30.32	94.47	-978.23	-1,717.54	4,461.36	4,391.13	70.23	63.525		
14,500.00	7,088.50	7,101.05	7,098.58	216.90	30.31	94.59	-978.21	-1,717.54	4,561.20	4,490.96	70.24	64.934		
14,600.00	7,088.84	7,100.46	7,099.17	219.72	30.31	94.72	-978.20	-1,717.54	4,661.04	4,590.78	70.26	66.340		
14,700.00	7,089.19	7,100.12	7,099.76	222.54	30.31	94.85	-978.19	-1,717.54	4,760.89	4,690.61	70.28	67.741		
14,800.00	7,089.53	7,100.71	7,100.34	225.37	30.31	94.98	-978.17	-1,717.55	4,860.74	4,790.44	70.31	69.135		
14,900.00	7,089.88	7,101.29	7,100.93	228.19	30.32	95.11	-978.16	-1,717.55	4,960.61	4,890.27	70.34	70.525		
15,000.00	7,090.22	7,101.88	7,101.51	231.02	30.32	95.24	-978.15	-1,717.55	5,060.47	4,990.10	70.37	71.912		
15,100.00	7,090.56	7,102.47	7,102.10	233.84	30.32	95.37	-978.13	-1,717.55	5,160.34	5,089.94	70.41	73.295		
15,200.00	7,090.91	7,103.05	7,102.69	236.67	30.32	95.50	-978.12	-1,717.55	5,260.22	5,189.78	70.44	74.674		
15,227.29	7,091.00	7,103.21	7,102.85	237.44	30.32	95.53	-978.12	-1,717.55	5,287.48	5,217.02	70.45	75.050		
15,300.00	7,091.25	7,103.62	7,103.25	239.49	30.33	101.81	-978.11	-1,717.55	5,360.14	5,289.65	70.49	76.044		
15,326.57	7,091.35	7,103.76	7,103.39	240.24	30.33	109.53	-978.10	-1,717.55	5,386.70	5,316.20	70.50	76.404		
15,400.00	7,091.60	7,104.14	7,103.77	242.30	30.33	109.79	-978.09	-1,717.55	5,460.12	5,389.58	70.55	77.395		
15,500.00	7,091.96	7,104.65	7,104.28	245.12	30.33	110.14	-978.08	-1,717.56	5,560.11	5,489.50	70.61	78.743		
15,600.00	7,092.31	7,105.16	7,104.80	247.93	30.33	110.49	-978.07	-1,717.56	5,660.10	5,589.43	70.68	80.086		
15,700.00	7,092.66	7,105.68	7,105.31	250.75	30.33	110.84	-978.06	-1,717.56	5,760.09	5,689.35	70.74	81.426		
15,800.00	7,093.01	7,106.19	7,105.82	253.56	30.34	111.18	-978.05	-1,717.56	5,860.09	5,789.28	70.81	82.763		
15,900.00	7,093.36	7,106.71	7,106.34	256.38	30.34	111.53	-978.04	-1,717.56	5,960.08	5,889.20	70.87	84.095		
16,000.00	7,093.71	7,107.22	7,106.85	259.20	30.34	111.87	-978.02	-1,717.56	6,060.07	5,989.13	70.94	85.424		
16,100.00	7,094.07	7,107.73	7,107.37	262.02	30.34	112.21	-978.01	-1,717.56	6,160.06	6,089.05	71.01	86.749		
16,200.00	7,094.42	7,108.25	7,107.88	264.84	30.35	112.55	-978.00	-1,717.56	6,260.05	6,188.97	71.08	88.070		
16,300.00	7,094.77	7,108.76	7,108.39	267.65	30.35	112.89	-977.99	-1,717.56	6,360.04	6,288.89	71.15	89.388		
16,400.00	7,095.12	7,109.28	7,108.91	270.47	30.35	113.23	-977.98	-1,717.57	6,460.04	6,388.81	71.22	90.701		
16,500.00	7,095.47	7,109.79	7,109.42	273.30	30.35	113.56	-977.96	-1,717.57	6,560.03	6,488.73	71.30	92.011		
16,600.00	7,095.82	7,110.30	7,109.93	276.12	30.35	113.89	-977.95	-1,717.57	6,660.02	6,588.65	71.37	93.317		
16,700.00	7,096.18	7,110.82	7,110.45	278.94	30.36	114.22	-977.94	-1,717.57	6,760.01	6,688.57	71.45	94.618		
16,800.00	7,096.53	7,111.33	7,110.96	281.76	30.36	114.55	-977.93	-1,717.57	6,860.01	6,788.49	71.52	95.916		
16,900.00	7,096.88	7,111.85	7,111.48	284.58	30.36	114.88	-977.92	-1,717.57	6,960.00	6,888.40	71.60	97.210		
17,000.00	7,097.23	7,112.36	7,111.99	287.41	30.36	115.20	-977.90	-1,717.57	7,059.99	6,988.32	71.67	98.500		
17,100.00	7,097.58	7,112.87	7,112.50	290.23	30.36	115.53	-977.89	-1,717.57	7,159.99	7,088.23	71.75	99.786		
17,200.00	7,097.93	7,113.39	7,113.02	293.06	30.37	115.85	-977.88	-1,717.58	7,259.98	7,188.15	71.83	101.068		
17,300.00	7,098.29	7,113.90	7,113.53	295.88	30.37	116.17	-977.87	-1,717.58	7,359.97	7,288.06	71.91	102.346		
17,400.00	7,098.64	7,114.41	7,114.04	298.71	30.37	116.49	-977.86	-1,717.58	7,459.97	7,387.97	71.99	103.619		
17,500.00	7,098.99	7,114.93	7,114.56	301.53	30.37	116.80	-977.85	-1,717.58	7,559.96	7,487.89	72.08	104.889		
17,600.00	7,099.34	7,115.44	7,115.07	304.36	30.38	117.12	-977.83	-1,717.58	7,659.96	7,587.80	72.16	106.155		
17,700.00	7,099.69	7,115.96	7,115.59	307.19	30.38	117.43	-977.82	-1,717.58	7,759.95	7,687.71	72.24	107.416		
17,800.00	7,100.04	7,116.47	7,116.10	310.01	30.38	117.74	-977.81	-1,717.58	7,859.94	7,787.62	72.33	108.673		
17,900.00	7,100.40	7,116.98	7,116.61	312.84	30.38	118.05	-977.80	-1,717.58	7,959.94	7,887.53	72.41	109.927		
18,000.00	7,100.75	7,117.50	7,117.13	315.67	30.38	118.36	-977.79	-1,717.58	8,059.93	7,987.44	72.50	111.176		
18,100.00	7,101.10	7,118.01	7,117.64	318.50	30.39	118.66	-977.77	-1,717.59	8,159.93	8,087.34	72.58	112.420		
18,200.00	7,101.45	7,118.53	7,118.15	321.33	30.39	118.96	-977.76	-1,717.59	8,259.92	8,187.25	72.67	113.661		
18,300.00	7,101.80	7,119.04	7,118.67	324.16	30.39	119.26	-977.75	-1,717.59	8,359.92	8,287.16	72.76	114.897		
18,400.00	7,102.16	7,119.55	7,119.18	326.99	30.39	119.56	-977.74	-1,717.59	8,459.91	8,387.06	72.85	116.130		
18,500.00	7,102.51	7,120.07	7,119.70	329.82	30.40	119.86	-977.73	-1,717.59	8,559.91	8,486.97	72.94	117.358		
18,600.00	7,102.86	7,120.58	7,120.21	332.65	30.40	120.16	-977.71	-1,717.59	8,659.90	8,586.87	73.03	118.581		
18,700.00	7,103.21	7,121.10	7,120.72	335.48	30.40	120.45	-977.70	-1,717.59	8,759.90	8,686.78	73.12	119.801		
18,800.00	7,103.56	7,121.61	7,121.24	338.31	30.40	120.74	-977.69	-1,717.59	8,859.89	8,786.68	73.21	121.016		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
18,900.00	7,103.91	7,122.12	7,121.75	341.14	30.40	121.03	-977.68	-1,717.60	8,959.89	8,886.58	73.31	122.227	
18,924.52	7,104.00	7,122.25	7,121.88	341.83	30.40	121.10	-977.68	-1,717.60	8,984.40	8,911.07	73.33	122.523	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-135.67	-754.84	-737.26	1,055.32					
100.00	100.00	81.00	81.00	3.28	3.57	-135.67	-754.84	-737.26	1,055.14	1,048.29	6.86	153.891		
200.00	200.00	181.00	181.00	3.34	5.63	-135.67	-754.84	-737.26	1,055.14	1,046.18	8.96	117.698		
300.00	299.98	280.98	280.98	3.44	8.71	91.42	-754.84	-737.26	1,055.19	1,043.04	12.15	86.879		
400.00	399.84	380.84	380.84	3.59	12.01	91.70	-754.84	-737.26	1,055.33	1,039.73	15.60	67.659		
500.00	499.45	480.45	480.45	3.80	15.38	92.16	-754.84	-737.26	1,055.62	1,036.45	19.17	55.060		
600.00	598.70	579.70	579.70	4.04	18.78	92.81	-754.84	-737.26	1,056.16	1,033.34	22.82	46.289		
700.00	697.47	678.47	678.47	4.32	22.18	93.63	-754.84	-737.26	1,057.05	1,030.54	26.51	39.879		
800.00	795.62	776.62	776.62	4.65	25.58	94.61	-754.84	-737.26	1,058.44	1,028.22	30.23	35.017		
900.00	893.06	874.06	874.06	5.02	28.95	95.75	-754.84	-737.26	1,060.53	1,026.56	33.97	31.220		
993.00	982.91	963.91	963.91	5.39	32.07	96.94	-754.84	-737.26	1,063.27	1,025.81	37.46	28.382		
1,000.00	989.65	970.65	970.65	5.42	32.31	97.04	-754.84	-737.26	1,063.51	1,025.79	37.73	28.190		
1,100.00	1,085.84	1,066.84	1,066.84	5.86	35.65	98.44	-754.84	-737.26	1,067.34	1,025.83	41.51	25.716		
1,200.00	1,182.03	1,163.03	1,163.03	6.32	38.99	99.83	-754.84	-737.26	1,071.84	1,026.53	45.31	23.657		
1,300.00	1,278.22	1,259.22	1,259.22	6.79	42.34	101.21	-754.84	-737.26	1,077.02	1,027.89	49.13	21.923		
1,400.00	1,374.42	1,355.42	1,355.42	7.28	45.69	102.58	-754.84	-737.26	1,082.87	1,029.91	52.96	20.446		
1,500.00	1,470.61	1,451.61	1,451.61	7.79	49.04	103.93	-754.84	-737.26	1,089.37	1,032.56	56.81	19.176		
1,600.00	1,566.80	1,547.80	1,547.80	8.30	52.39	105.27	-754.84	-737.26	1,096.51	1,035.85	60.66	18.075		
1,700.00	1,663.00	1,644.00	1,644.00	8.82	55.74	106.59	-754.84	-737.26	1,104.29	1,039.76	64.52	17.114		
1,800.00	1,759.19	1,740.19	1,740.19	9.34	59.10	107.89	-754.84	-737.26	1,112.68	1,044.29	68.39	16.270		
1,900.00	1,855.38	1,836.38	1,836.38	9.87	62.45	109.17	-754.84	-737.26	1,121.67	1,049.41	72.26	15.523		
2,000.00	1,951.58	1,932.58	1,932.58	10.41	65.80	110.44	-754.84	-737.26	1,131.25	1,055.13	76.13	14.860		
2,100.00	2,047.77	2,028.77	2,028.77	10.95	69.16	111.68	-754.84	-737.26	1,141.41	1,061.41	80.00	14.268		
2,200.00	2,143.96	2,124.96	2,124.96	11.49	72.51	112.90	-754.84	-737.26	1,152.13	1,068.25	83.87	13.737		
2,300.00	2,240.16	2,221.16	2,221.16	12.04	75.87	114.10	-754.84	-737.26	1,163.39	1,075.64	87.75	13.259		
2,400.00	2,336.35	2,317.35	2,317.35	12.58	79.22	115.28	-754.84	-737.26	1,175.17	1,083.55	91.62	12.827		
2,500.00	2,432.54	2,413.54	2,413.54	13.13	82.58	116.44	-754.84	-737.26	1,187.47	1,091.98	95.49	12.435		
2,600.00	2,528.74	2,509.74	2,509.74	13.69	85.93	117.57	-754.84	-737.26	1,200.27	1,100.91	99.36	12.080		
2,700.00	2,624.93	2,605.93	2,605.93	14.24	89.29	118.68	-754.84	-737.26	1,213.54	1,110.31	103.23	11.756		
2,800.00	2,721.12	2,702.12	2,702.12	14.80	92.64	119.77	-754.84	-737.26	1,227.28	1,120.18	107.10	11.459		
2,900.00	2,817.32	2,801.68	2,798.32	15.35	96.12	120.84	-754.84	-737.26	1,241.47	1,130.39	111.09	11.176		
3,000.00	2,913.51	2,905.49	2,894.51	15.91	99.74	121.88	-754.84	-737.26	1,256.10	1,140.88	115.22	10.902		
3,100.00	3,009.70	3,009.30	2,990.70	16.47	103.36	122.89	-754.84	-737.26	1,271.14	1,151.80	119.35	10.651		
3,200.00	3,105.90	3,086.90	3,086.90	17.03	106.07	123.89	-754.84	-737.26	1,286.59	1,164.03	122.56	10.498		
3,300.00	3,202.09	3,183.09	3,183.09	17.59	109.43	124.86	-754.84	-737.26	1,302.43	1,176.01	126.42	10.302		
3,400.00	3,298.28	3,279.28	3,279.28	18.15	112.78	125.81	-754.84	-737.26	1,318.65	1,188.37	130.28	10.122		
3,500.00	3,394.48	3,375.48	3,375.48	18.72	116.14	126.74	-754.84	-737.26	1,335.22	1,201.09	134.14	9.954		
3,600.00	3,490.67	3,471.67	3,471.67	19.28	119.50	127.65	-754.84	-737.26	1,352.15	1,214.16	137.99	9.799		
3,700.00	3,586.86	3,567.86	3,567.86	19.84	122.85	128.53	-754.84	-737.26	1,369.41	1,227.57	141.85	9.654		
3,800.00	3,683.06	3,664.06	3,664.06	20.41	126.21	129.39	-754.84	-737.26	1,387.00	1,241.30	145.70	9.519		
3,900.00	3,779.25	3,760.25	3,760.25	20.97	129.57	130.24	-754.84	-737.26	1,404.90	1,255.35	149.55	9.394		
4,000.00	3,875.44	3,856.44	3,856.44	21.54	132.92	131.06	-754.84	-737.26	1,423.10	1,269.69	153.40	9.277		
4,100.00	3,971.64	3,952.64	3,952.64	22.11	136.28	131.86	-754.84	-737.26	1,441.58	1,284.33	157.25	9.167		
4,200.00	4,067.83	4,048.83	4,048.83	22.67	139.64	132.64	-754.84	-737.26	1,460.35	1,299.25	161.10	9.065		
4,300.00	4,164.02	4,145.02	4,145.02	23.24	143.00	133.41	-754.84	-737.26	1,479.38	1,314.43	164.95	8.969		
4,400.00	4,260.22	4,241.22	4,241.22	23.81	146.35	134.15	-754.84	-737.26	1,498.67	1,329.88	168.79	8.879		
4,500.00	4,356.41	4,337.41	4,337.41	24.37	149.71	134.88	-754.84	-737.26	1,518.20	1,345.57	172.63	8.794		
4,600.00	4,452.60	4,433.60	4,433.60	24.94	153.07	135.58	-754.84	-737.26	1,537.97	1,361.50	176.48	8.715		
4,700.00	4,548.79	4,529.79	4,529.79	25.51	156.42	136.28	-754.84	-737.26	1,557.97	1,377.65	180.32	8.640		
4,800.00	4,644.99	4,625.99	4,625.99	26.08	159.78	136.95	-754.84	-737.26	1,578.19	1,394.03	184.16	8.570		
4,900.00	4,741.18	4,722.18	4,722.18	26.65	163.14	137.61	-754.84	-737.26	1,598.62	1,410.63	188.00	8.503		
5,000.00	4,837.37	4,818.37	4,818.37	27.21	166.50	138.25	-754.84	-737.26	1,619.26	1,427.42	191.84	8.441		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH)		Offset Site Error: 0.00 ft	
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,100.00	4,933.57	4,914.57	4,914.57	27.78	169.85	138.87	-754.84	-737.26	1,640.09	1,444.41	195.68	8.382				
5,200.00	5,029.76	5,010.76	5,010.76	28.35	173.21	139.48	-754.84	-737.26	1,661.11	1,461.60	199.51	8.326				
5,300.00	5,125.95	5,106.95	5,106.95	28.92	176.57	140.08	-754.84	-737.26	1,682.31	1,478.96	203.35	8.273				
5,400.00	5,222.15	5,203.15	5,203.15	29.49	179.93	140.66	-754.84	-737.26	1,703.69	1,496.50	207.19	8.223				
5,500.00	5,318.34	5,300.66	5,299.34	30.06	183.33	141.23	-754.84	-737.26	1,725.23	1,514.16	211.07	8.174				
5,600.00	5,414.53	5,404.47	5,395.53	30.63	186.95	141.78	-754.84	-737.26	1,746.93	1,531.76	215.17	8.119				
5,700.00	5,510.73	5,508.27	5,491.73	31.20	190.58	142.32	-754.84	-737.26	1,768.79	1,549.52	219.27	8.067				
5,800.00	5,606.92	5,587.92	5,587.92	31.77	193.36	142.85	-754.84	-737.26	1,790.81	1,568.28	222.53	8.048				
5,900.00	5,703.11	5,684.11	5,684.11	32.34	196.71	143.36	-754.84	-737.26	1,812.96	1,586.60	226.36	8.009				
6,000.00	5,799.31	5,780.31	5,780.31	32.91	200.07	143.86	-754.84	-737.26	1,835.26	1,605.06	230.19	7.973				
6,100.00	5,895.50	5,876.50	5,876.50	33.48	203.43	144.35	-754.84	-737.26	1,857.69	1,623.66	234.03	7.938				
6,200.00	5,991.69	5,972.69	5,972.69	34.05	206.79	144.83	-754.84	-737.26	1,880.25	1,642.39	237.86	7.905				
6,300.00	6,087.89	6,068.89	6,068.89	34.62	210.15	145.30	-754.84	-737.26	1,902.93	1,661.24	241.69	7.873				
6,400.00	6,184.08	6,165.08	6,165.08	35.19	213.50	145.76	-754.84	-737.26	1,925.74	1,680.21	245.53	7.843				
6,500.00	6,280.27	6,261.27	6,261.27	35.77	216.86	146.21	-754.84	-737.26	1,948.66	1,699.30	249.36	7.815				
6,535.30	6,314.23	6,304.77	6,295.23	35.97	218.38	146.36	-754.84	-737.26	1,956.78	1,705.73	251.04	7.795				
6,550.00	6,328.40	6,309.40	6,309.40	36.05	218.54	142.95	-754.84	-737.26	1,960.00	1,708.72	251.27	7.800				
6,600.00	6,377.01	6,358.01	6,358.01	36.31	220.24	127.82	-754.84	-737.26	1,968.52	1,715.32	253.20	7.775				
6,650.00	6,426.00	6,407.00	6,407.00	36.54	221.95	106.98	-754.84	-737.26	1,973.25	1,718.14	255.12	7.735				
6,700.00	6,475.08	6,456.08	6,456.08	36.73	223.66	84.36	-754.84	-737.26	1,974.17	1,717.16	257.02	7.681				
6,750.00	6,523.94	6,504.94	6,504.94	36.90	225.37	66.07	-754.84	-737.26	1,971.28	1,712.41	258.88	7.615				
6,800.00	6,572.28	6,553.28	6,553.28	37.05	227.05	53.70	-754.84	-737.26	1,964.62	1,703.93	260.69	7.536				
6,850.00	6,619.81	6,600.81	6,600.81	37.19	228.71	45.74	-754.84	-737.26	1,954.22	1,691.78	262.45	7.446				
6,900.00	6,666.23	6,647.23	6,647.23	37.32	230.33	40.60	-754.84	-737.26	1,940.18	1,676.04	264.14	7.345				
6,950.00	6,711.25	6,707.75	6,692.25	37.46	232.45	37.29	-754.84	-737.26	1,922.58	1,656.28	266.30	7.220				
7,000.00	6,754.60	6,735.60	6,735.60	37.61	233.42	35.22	-754.84	-737.26	1,901.54	1,634.25	267.30	7.114				
7,050.00	6,796.01	6,777.01	6,777.01	37.77	234.86	34.06	-754.84	-737.26	1,877.22	1,608.47	268.75	6.985				
7,100.00	6,835.22	6,816.22	6,816.22	37.94	236.23	33.64	-754.84	-737.26	1,849.76	1,579.66	270.10	6.848				
7,150.00	6,871.99	6,852.99	6,852.99	38.12	237.52	33.85	-754.84	-737.26	1,819.36	1,548.00	271.36	6.705				
7,200.00	6,906.10	6,887.10	6,887.10	38.34	238.71	34.67	-754.84	-737.26	1,786.21	1,513.70	272.51	6.555				
7,250.00	6,937.34	6,918.34	6,918.34	38.57	239.80	36.12	-754.84	-737.26	1,750.52	1,476.97	273.55	6.399				
7,300.00	6,965.51	6,946.51	6,946.51	38.84	240.78	38.27	-754.84	-737.26	1,712.54	1,438.05	274.48	6.239				
7,350.00	6,990.44	6,971.44	6,971.44	39.14	241.65	41.23	-754.84	-737.26	1,672.49	1,397.19	275.30	6.075				
7,400.00	7,011.97	7,007.03	6,992.97	39.47	242.89	45.17	-754.84	-737.26	1,630.65	1,354.15	276.49	5.898				
7,450.00	7,029.98	7,010.98	7,010.98	39.85	243.03	50.33	-754.84	-737.26	1,587.26	1,310.67	276.59	5.739				
7,500.00	7,044.34	7,025.34	7,025.34	40.26	243.53	56.96	-754.84	-737.26	1,542.62	1,265.56	277.07	5.568				
7,550.00	7,054.99	7,035.99	7,035.99	40.72	243.90	65.27	-754.84	-737.26	1,497.00	1,219.58	277.43	5.396				
7,600.00	7,061.83	7,042.83	7,042.83	41.21	244.14	75.30	-754.84	-737.26	1,450.69	1,173.01	277.68	5.224				
7,650.00	7,064.85	7,045.85	7,045.85	41.73	244.25	86.66	-754.84	-737.26	1,403.97	1,126.15	277.82	5.054				
7,661.89	7,065.00	7,046.00	7,046.00	41.86	244.25	89.47	-754.84	-737.26	1,392.83	1,114.99	277.84	5.013				
7,700.00	7,065.13	7,046.13	7,046.13	42.28	244.26	89.49	-754.84	-737.26	1,357.19	1,079.30	277.89	4.884				
7,800.00	7,065.47	7,046.47	7,046.47	43.53	244.27	89.53	-754.84	-737.26	1,264.34	986.24	278.10	4.546				
7,900.00	7,065.82	7,046.82	7,046.82	44.94	244.28	89.57	-754.84	-737.26	1,172.68	894.23	278.45	4.211				
8,000.00	7,066.16	7,047.16	7,047.16	46.50	244.29	89.61	-754.84	-737.26	1,082.49	803.49	278.99	3.880				
8,100.00	7,066.50	7,047.50	7,047.50	48.19	244.31	89.65	-754.84	-737.26	994.17	714.37	279.80	3.553				
8,200.00	7,066.85	7,047.85	7,047.85	50.00	244.32	89.69	-754.84	-737.26	908.29	627.30	280.99	3.232				
8,300.00	7,067.19	7,048.19	7,048.19	51.91	244.33	89.73	-754.84	-737.26	825.59	542.90	282.68	2.921				
8,400.00	7,067.54	7,048.54	7,048.54	53.92	244.34	89.77	-754.84	-737.26	747.13	462.07	285.06	2.621				
8,500.00	7,067.88	7,048.88	7,048.88	56.01	244.35	89.81	-754.84	-737.26	674.39	386.12	288.28	2.339				
8,600.00	7,068.22	7,049.22	7,049.22	58.16	244.37	89.85	-754.84	-737.26	609.43	316.98	292.45	2.084				
8,700.00	7,068.57	7,049.57	7,049.57	60.38	244.38	89.89	-754.84	-737.26	554.99	257.48	297.51	1.865				
8,800.00	7,068.91	7,049.91	7,049.91	62.65	244.39	89.93	-754.84	-737.26	514.41	211.39	303.02	1.698				

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,050.25	7,050.25	64.97	244.40	89.97	-754.84	-737.26	491.14	183.03	308.11	1.594		
8,966.98	7,069.48	7,050.48	7,050.48	66.56	244.41	90.00	-754.84	-737.26	486.56	175.80	310.76	1.566 CC, ES		
9,000.00	7,069.60	7,050.60	7,050.60	67.34	244.41	90.01	-754.84	-737.26	487.68	175.94	311.74	1.564 SF		
9,100.00	7,069.94	7,050.94	7,050.94	69.74	244.43	90.05	-754.84	-737.26	504.41	191.12	313.29	1.610		
9,200.00	7,070.28	7,051.28	7,051.28	72.18	244.44	90.09	-754.84	-737.26	539.48	226.57	312.91	1.724		
9,300.00	7,070.63	7,051.63	7,051.63	74.65	244.45	90.13	-754.84	-737.26	589.61	278.34	311.27	1.894		
9,400.00	7,070.97	7,051.97	7,051.97	77.15	244.46	90.18	-754.84	-737.26	651.34	342.30	309.04	2.108		
9,500.00	7,071.32	7,052.32	7,052.32	79.67	244.47	90.22	-754.84	-737.26	721.69	415.00	306.69	2.353		
9,600.00	7,071.66	7,052.66	7,052.66	82.22	244.49	90.26	-754.84	-737.26	798.40	493.94	304.46	2.622		
9,700.00	7,072.00	7,053.00	7,053.00	84.78	244.50	90.30	-754.84	-737.26	879.80	577.35	302.45	2.909		
9,800.00	7,072.35	7,053.35	7,053.35	87.37	244.51	90.34	-754.84	-737.26	964.70	664.02	300.69	3.208		
9,900.00	7,072.69	7,053.69	7,053.69	89.97	244.52	90.38	-754.84	-737.26	1,052.26	753.11	299.15	3.518		
10,000.00	7,073.03	7,054.03	7,054.03	92.59	244.53	90.42	-754.84	-737.26	1,141.86	844.05	297.81	3.834		
10,100.00	7,073.38	7,054.38	7,054.38	95.22	244.55	90.46	-754.84	-737.26	1,233.07	936.41	296.66	4.157		
10,200.00	7,073.72	7,054.72	7,054.72	97.86	244.56	90.50	-754.84	-737.26	1,325.54	1,029.89	295.65	4.483		
10,300.00	7,074.07	7,055.07	7,055.07	100.52	244.57	90.54	-754.84	-737.26	1,419.03	1,124.26	294.78	4.814		
10,400.00	7,074.41	7,055.41	7,055.41	103.19	244.58	90.58	-754.84	-737.26	1,513.36	1,219.35	294.01	5.147		
10,500.00	7,074.75	7,055.75	7,055.75	105.87	244.59	90.62	-754.84	-737.26	1,608.37	1,315.03	293.34	5.483		
10,600.00	7,075.10	7,056.10	7,056.10	108.55	244.61	90.66	-754.84	-737.26	1,703.95	1,411.21	292.75	5.821		
10,700.00	7,075.44	7,056.44	7,056.44	111.25	244.62	90.70	-754.84	-737.26	1,800.02	1,507.79	292.22	6.160		
10,800.00	7,075.78	7,056.78	7,056.78	113.96	244.63	90.74	-754.84	-737.26	1,896.49	1,604.73	291.76	6.500		
10,900.00	7,076.13	7,057.13	7,057.13	116.67	244.64	90.78	-754.84	-737.26	1,993.30	1,701.96	291.34	6.842		
11,000.00	7,076.47	7,057.47	7,057.47	119.39	244.65	90.82	-754.84	-737.26	2,090.42	1,799.45	290.97	7.184		
11,100.00	7,076.81	7,057.81	7,057.81	122.11	244.67	90.86	-754.84	-737.26	2,187.80	1,897.16	290.64	7.528		
11,200.00	7,077.16	7,058.16	7,058.16	124.85	244.68	90.90	-754.84	-737.26	2,285.40	1,995.06	290.34	7.872		
11,300.00	7,077.50	7,058.50	7,058.50	127.58	244.69	90.94	-754.84	-737.26	2,383.20	2,093.13	290.07	8.216		
11,400.00	7,077.85	7,058.85	7,058.85	130.33	244.70	90.98	-754.84	-737.26	2,481.18	2,191.35	289.83	8.561		
11,500.00	7,078.19	7,059.19	7,059.19	133.08	244.71	91.03	-754.84	-737.26	2,579.31	2,289.71	289.61	8.906		
11,600.00	7,078.53	7,059.53	7,059.53	135.83	244.73	91.07	-754.84	-737.26	2,677.58	2,388.18	289.41	9.252		
11,700.00	7,078.88	7,059.88	7,059.88	138.59	244.74	91.11	-754.84	-737.26	2,775.98	2,486.75	289.23	9.598		
11,800.00	7,079.22	7,060.22	7,060.22	141.35	244.75	91.15	-754.84	-737.26	2,874.48	2,585.42	289.07	9.944		
11,900.00	7,079.56	7,060.56	7,060.56	144.11	244.76	91.19	-754.84	-737.26	2,973.09	2,684.17	288.92	10.290		
12,000.00	7,079.91	7,060.91	7,060.91	146.88	244.77	91.23	-754.84	-737.26	3,071.78	2,783.00	288.79	10.637		
12,100.00	7,080.25	7,061.25	7,061.25	149.66	244.79	91.27	-754.84	-737.26	3,170.56	2,881.89	288.67	10.983		
12,200.00	7,080.60	7,061.60	7,061.60	152.43	244.80	91.31	-754.84	-737.26	3,269.41	2,980.85	288.56	11.330		
12,300.00	7,080.94	7,061.94	7,061.94	155.21	244.81	91.35	-754.84	-737.26	3,368.33	3,079.87	288.46	11.677		
12,400.00	7,081.28	7,062.28	7,062.28	157.99	244.82	91.39	-754.84	-737.26	3,467.31	3,178.94	288.37	12.024		
12,500.00	7,081.63	7,062.63	7,062.63	160.78	244.83	91.43	-754.84	-737.26	3,566.35	3,278.05	288.29	12.371		
12,600.00	7,081.97	7,062.97	7,062.97	163.57	244.85	91.47	-754.84	-737.26	3,665.43	3,377.21	288.22	12.717		
12,700.00	7,082.31	7,063.31	7,063.31	166.36	244.86	91.51	-754.84	-737.26	3,764.57	3,476.41	288.16	13.064		
12,800.00	7,082.66	7,063.66	7,063.66	169.15	244.87	91.55	-754.84	-737.26	3,863.76	3,575.65	288.10	13.411		
12,900.00	7,083.00	7,064.00	7,064.00	171.94	244.88	91.59	-754.84	-737.26	3,962.98	3,674.92	288.05	13.758		
13,000.00	7,083.35	7,064.35	7,064.35	174.74	244.89	91.63	-754.84	-737.26	4,062.24	3,774.23	288.01	14.104		
13,100.00	7,083.69	7,064.69	7,064.69	177.54	244.91	91.67	-754.84	-737.26	4,161.54	3,873.56	287.98	14.451		
13,200.00	7,084.03	7,065.03	7,065.03	180.34	244.92	91.71	-754.84	-737.26	4,260.87	3,972.92	287.94	14.798		
13,300.00	7,084.38	7,065.38	7,065.38	183.14	244.93	91.75	-754.84	-737.26	4,360.23	4,072.31	287.92	15.144		
13,400.00	7,084.72	7,065.72	7,065.72	185.95	244.94	91.79	-754.84	-737.26	4,459.62	4,171.72	287.90	15.490		
13,500.00	7,085.06	7,066.06	7,066.06	188.76	244.95	91.83	-754.84	-737.26	4,559.03	4,271.15	287.88	15.837		
13,600.00	7,085.41	7,066.41	7,066.41	191.56	244.97	91.87	-754.84	-737.26	4,658.47	4,370.60	287.87	16.183		
13,700.00	7,085.75	7,066.75	7,066.75	194.37	244.98	91.91	-754.84	-737.26	4,757.94	4,470.07	287.86	16.529		
13,800.00	7,086.09	7,067.09	7,067.09	197.18	244.99	91.96	-754.84	-737.26	4,857.42	4,569.56	287.86	16.874		
13,900.00	7,086.44	7,067.44	7,067.44	200.00	245.00	92.00	-754.84	-737.26	4,956.93	4,669.07	287.86	17.220		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,067.78	7,067.78	202.81	245.01	92.04	-754.84	-737.26	5,056.45	4,768.59	287.86	17.566		
14,100.00	7,087.13	7,068.13	7,068.13	205.63	245.03	92.08	-754.84	-737.26	5,156.00	4,868.13	287.87	17.911		
14,200.00	7,087.47	7,068.47	7,068.47	208.44	245.04	92.12	-754.84	-737.26	5,255.56	4,967.68	287.88	18.256		
14,300.00	7,087.81	7,068.81	7,068.81	211.26	245.05	92.16	-754.84	-737.26	5,355.14	5,067.25	287.89	18.601		
14,400.00	7,088.16	7,069.16	7,069.16	214.08	245.06	92.20	-754.84	-737.26	5,454.73	5,166.83	287.90	18.946		
14,500.00	7,088.50	7,069.50	7,069.50	216.90	245.07	92.24	-754.84	-737.26	5,554.34	5,266.42	287.92	19.291		
14,600.00	7,088.84	7,069.84	7,069.84	219.72	245.09	92.28	-754.84	-737.26	5,653.96	5,366.02	287.94	19.636		
14,700.00	7,089.19	7,070.19	7,070.19	222.54	245.10	92.32	-754.84	-737.26	5,753.60	5,465.63	287.97	19.980		
14,800.00	7,089.53	7,070.53	7,070.53	225.37	245.11	92.36	-754.84	-737.26	5,853.24	5,565.25	288.00	20.324		
14,900.00	7,089.88	7,070.88	7,070.88	228.19	245.12	92.40	-754.84	-737.26	5,952.90	5,664.88	288.02	20.668		
15,000.00	7,090.22	7,071.22	7,071.22	231.02	245.13	92.44	-754.84	-737.26	6,052.57	5,764.52	288.06	21.012		
15,100.00	7,090.56	7,071.56	7,071.56	233.84	245.15	92.48	-754.84	-737.26	6,152.25	5,864.16	288.09	21.355		
15,200.00	7,090.91	7,071.91	7,071.91	236.67	245.16	92.52	-754.84	-737.26	6,251.94	5,963.82	288.13	21.699		
15,227.29	7,091.00	7,072.00	7,072.00	237.44	245.16	92.53	-754.84	-737.26	6,279.15	5,991.02	288.14	21.792		
15,300.00	7,091.25	7,072.25	7,072.25	239.49	245.17	93.88	-754.84	-737.26	6,351.71	6,063.54	288.17	22.042		
15,326.57	7,091.35	7,072.35	7,072.35	240.24	245.17	94.79	-754.84	-737.26	6,378.25	6,090.07	288.18	22.133		
15,400.00	7,091.60	7,072.60	7,072.60	242.30	245.18	94.84	-754.84	-737.26	6,451.62	6,163.39	288.22	22.384		
15,500.00	7,091.96	7,072.96	7,072.96	245.12	245.19	94.92	-754.84	-737.26	6,551.53	6,263.25	288.28	22.726		
15,600.00	7,092.31	7,073.31	7,073.31	247.93	245.21	94.99	-754.84	-737.26	6,651.45	6,363.11	288.34	23.068		
15,700.00	7,092.66	7,073.66	7,073.66	250.75	245.22	95.07	-754.84	-737.26	6,751.37	6,462.97	288.40	23.410		
15,800.00	7,093.01	7,074.01	7,074.01	253.56	245.23	95.14	-754.84	-737.26	6,851.29	6,562.83	288.46	23.751		
15,900.00	7,093.36	7,074.36	7,074.36	256.38	245.24	95.22	-754.84	-737.26	6,951.21	6,662.69	288.52	24.092		
16,000.00	7,093.71	7,074.71	7,074.71	259.20	245.26	95.29	-754.84	-737.26	7,051.14	6,762.55	288.59	24.433		
16,100.00	7,094.07	7,075.07	7,075.07	262.02	245.27	95.37	-754.84	-737.26	7,151.07	6,862.42	288.65	24.774		
16,200.00	7,094.42	7,075.42	7,075.42	264.84	245.28	95.44	-754.84	-737.26	7,251.00	6,962.28	288.72	25.114		
16,300.00	7,094.77	7,075.77	7,075.77	267.65	245.29	95.51	-754.84	-737.26	7,350.93	7,062.14	288.79	25.455		
16,400.00	7,095.12	7,076.12	7,076.12	270.47	245.30	95.59	-754.84	-737.26	7,450.86	7,162.01	288.85	25.795		
16,500.00	7,095.47	7,076.47	7,076.47	273.30	245.32	95.66	-754.84	-737.26	7,550.80	7,261.88	288.92	26.134		
16,600.00	7,095.82	7,076.82	7,076.82	276.12	245.33	95.74	-754.84	-737.26	7,650.74	7,361.74	288.99	26.474		
16,700.00	7,096.18	7,077.18	7,077.18	278.94	245.34	95.81	-754.84	-737.26	7,750.68	7,461.61	289.07	26.813		
16,800.00	7,096.53	7,077.53	7,077.53	281.76	245.35	95.89	-754.84	-737.26	7,850.62	7,561.48	289.14	27.152		
16,900.00	7,096.88	7,077.88	7,077.88	284.58	245.37	95.96	-754.84	-737.26	7,950.56	7,661.34	289.21	27.490		
17,000.00	7,097.23	7,078.23	7,078.23	287.41	245.38	96.04	-754.84	-737.26	8,050.50	7,761.21	289.29	27.828		
17,100.00	7,097.58	7,078.58	7,078.58	290.23	245.39	96.11	-754.84	-737.26	8,150.45	7,861.08	289.37	28.166		
17,200.00	7,097.93	7,078.93	7,078.93	293.06	245.40	96.18	-754.84	-737.26	8,250.39	7,960.95	289.44	28.504		
17,300.00	7,098.29	7,079.29	7,079.29	295.88	245.41	96.26	-754.84	-737.26	8,350.34	8,060.82	289.52	28.842		
17,400.00	7,098.64	7,079.64	7,079.64	298.71	245.43	96.33	-754.84	-737.26	8,450.29	8,160.69	289.60	29.179		
17,500.00	7,098.99	7,079.99	7,079.99	301.53	245.44	96.41	-754.84	-737.26	8,550.24	8,260.56	289.68	29.516		
17,600.00	7,099.34	7,080.34	7,080.34	304.36	245.45	96.48	-754.84	-737.26	8,650.19	8,360.42	289.76	29.852		
17,700.00	7,099.69	7,080.69	7,080.69	307.19	245.46	96.56	-754.84	-737.26	8,750.14	8,460.29	289.85	30.189		
17,800.00	7,100.04	7,081.04	7,081.04	310.01	245.48	96.63	-754.84	-737.26	8,850.09	8,560.16	289.93	30.525		
17,900.00	7,100.40	7,081.40	7,081.40	312.84	245.49	96.71	-754.84	-737.26	8,950.05	8,660.03	290.01	30.861		
18,000.00	7,100.75	7,081.75	7,081.75	315.67	245.50	96.78	-754.84	-737.26	9,050.00	8,759.90	290.10	31.196		
18,100.00	7,101.10	7,082.10	7,082.10	318.50	245.51	96.85	-754.84	-737.26	9,149.96	8,859.77	290.19	31.531		
18,200.00	7,101.45	7,082.45	7,082.45	321.33	245.53	96.93	-754.84	-737.26	9,249.92	8,959.64	290.27	31.866		
18,300.00	7,101.80	7,082.80	7,082.80	324.16	245.54	97.00	-754.84	-737.26	9,349.87	9,059.51	290.36	32.201		
18,400.00	7,102.16	7,083.16	7,083.16	326.99	245.55	97.08	-754.84	-737.26	9,449.83	9,159.38	290.45	32.535		
18,500.00	7,102.51	7,083.51	7,083.51	329.82	245.56	97.15	-754.84	-737.26	9,549.79	9,259.25	290.54	32.869		
18,600.00	7,102.86	7,083.86	7,083.86	332.65	245.57	97.22	-754.84	-737.26	9,649.75	9,359.12	290.63	33.203		
18,700.00	7,103.21	7,084.21	7,084.21	335.48	245.59	97.30	-754.84	-737.26	9,749.72	9,458.99	290.72	33.536		
18,800.00	7,103.56	7,084.56	7,084.56	338.31	245.60	97.37	-754.84	-737.26	9,849.68	9,558.86	290.81	33.869		
18,900.00	7,103.91	7,084.91	7,084.91	341.14	245.61	97.45	-754.84	-737.26	9,949.64	9,658.73	290.91	34.202		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
18,924.52	7,104.00	7,085.00	7,085.00	341.83	245.61	97.46	-754.84	-737.26	9,974.15	9,683.21	290.93	34.284	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-59.62	242.26	-413.25	479.33					
100.00	100.00	79.64	79.64	3.28	3.28	-59.57	242.73	-413.30	479.32	472.75	6.57	72.959 CC, ES		
200.00	200.00	180.30	180.29	3.34	3.33	-59.45	244.01	-413.40	480.05	473.39	6.67	72.019		
300.00	299.98	280.88	280.87	3.44	3.43	167.67	244.89	-413.44	482.23	475.36	6.87	70.206		
400.00	399.84	380.06	380.05	3.59	3.57	167.85	245.63	-413.56	487.83	480.66	7.17	68.049		
500.00	499.45	480.41	480.39	3.80	3.76	168.09	246.41	-413.71	496.88	489.32	7.56	65.714		
600.00	598.70	579.62	579.59	4.04	3.99	168.38	247.05	-413.77	509.21	501.18	8.03	63.412		
700.00	697.47	677.09	677.06	4.32	4.24	168.70	247.60	-414.02	525.05	516.49	8.56	61.328		
800.00	795.62	775.41	775.39	4.65	4.52	169.05	248.20	-414.41	544.44	535.29	9.15	59.500		
900.00	893.06	871.41	871.38	5.02	4.82	169.41	248.67	-414.86	567.20	557.42	9.78	58.000		
993.00	982.91	960.59	960.56	5.39	5.10	169.74	249.08	-415.56	591.60	581.20	10.40	56.887		
1,000.00	989.65	967.32	967.29	5.42	5.12	169.77	249.12	-415.61	593.55	583.09	10.45	56.783		
1,100.00	1,085.84	1,064.59	1,064.55	5.86	5.45	170.23	249.57	-416.27	621.29	610.14	11.15	55.744		
1,200.00	1,182.03	1,159.05	1,159.01	6.32	5.78	170.62	249.87	-416.88	648.95	637.09	11.85	54.742		
1,300.00	1,278.22	1,255.64	1,255.60	6.79	6.12	170.98	250.25	-417.81	676.93	664.34	12.60	53.745		
1,400.00	1,374.42	1,352.28	1,352.23	7.28	6.48	171.30	250.29	-418.57	704.60	691.25	13.36	52.757		
1,500.00	1,470.61	1,447.30	1,447.25	7.79	6.83	171.60	250.61	-419.33	732.47	718.34	14.12	51.860		
1,600.00	1,566.80	1,545.71	1,545.66	8.30	7.20	171.88	250.76	-420.16	760.28	745.36	14.92	50.946		
1,700.00	1,663.00	1,645.21	1,645.15	8.82	7.59	172.17	250.82	-420.45	787.63	771.89	15.74	50.039		
1,800.00	1,759.19	1,742.50	1,742.44	9.34	7.96	172.42	250.69	-420.57	814.75	798.20	16.55	49.217		
1,900.00	1,855.38	1,839.32	1,839.27	9.87	8.34	172.65	250.50	-420.63	841.80	824.43	17.37	48.455		
2,000.00	1,951.58	1,935.78	1,935.72	10.41	8.72	172.86	250.14	-420.72	868.79	850.60	18.20	47.745		
2,100.00	2,047.77	2,032.32	2,032.26	10.95	9.10	173.04	249.65	-420.96	895.83	876.80	19.03	47.080		
2,200.00	2,143.96	2,131.27	2,131.20	11.49	9.49	173.17	248.41	-421.48	922.67	902.79	19.88	46.411		
2,300.00	2,240.16	2,228.71	2,228.62	12.04	9.89	173.24	246.52	-422.19	949.28	928.55	20.73	45.793		
2,400.00	2,336.35	2,323.49	2,323.37	12.58	10.27	173.30	244.50	-423.11	975.96	954.39	21.57	45.251		
2,500.00	2,432.54	2,417.43	2,417.29	13.13	10.65	173.34	242.45	-424.24	1,002.80	980.39	22.40	44.760		
2,600.00	2,528.74	2,507.55	2,507.37	13.69	11.02	173.36	240.55	-425.81	1,030.09	1,006.87	23.22	44.365		
2,700.00	2,624.93	2,601.68	2,601.47	14.24	11.41	173.39	238.80	-427.72	1,057.75	1,033.69	24.06	43.959		
2,800.00	2,721.12	2,695.43	2,695.19	14.80	11.80	173.42	237.33	-429.65	1,085.60	1,060.70	24.90	43.590		
2,900.00	2,817.32	2,791.00	2,790.72	15.35	12.19	173.45	235.94	-431.69	1,113.58	1,087.82	25.76	43.225		
3,000.00	2,913.51	2,888.29	2,887.98	15.91	12.59	173.49	234.58	-433.70	1,141.52	1,114.89	26.63	42.860		
3,100.00	3,009.70	2,983.80	2,983.47	16.47	12.99	173.54	233.42	-435.47	1,169.42	1,141.93	27.49	42.534		
3,200.00	3,105.90	3,080.78	3,080.43	17.03	13.39	173.61	232.57	-437.03	1,197.32	1,168.96	28.37	42.210		
3,300.00	3,202.09	3,181.55	3,181.19	17.59	13.81	173.69	231.73	-438.33	1,225.01	1,195.75	29.27	41.858		
3,400.00	3,298.28	3,273.85	3,273.48	18.15	14.19	173.76	230.91	-439.41	1,252.58	1,222.47	30.11	41.604		
3,500.00	3,394.48	3,370.68	3,370.30	18.72	14.60	173.84	230.33	-440.66	1,280.40	1,249.42	30.98	41.327		
3,600.00	3,490.67	3,469.34	3,468.95	19.28	15.01	173.93	229.85	-441.58	1,308.02	1,276.15	31.87	41.040		
3,700.00	3,586.86	3,559.78	3,559.39	19.84	15.39	174.00	229.43	-442.44	1,335.67	1,302.97	32.70	40.843		
3,800.00	3,683.06	3,651.30	3,650.91	20.41	15.77	174.08	229.30	-443.73	1,363.85	1,330.31	33.54	40.662		
3,900.00	3,779.25	3,747.11	3,746.70	20.97	16.17	174.17	229.54	-444.89	1,392.12	1,357.71	34.41	40.453		
4,000.00	3,875.44	3,841.62	3,841.21	21.54	16.57	174.28	230.04	-445.86	1,420.42	1,385.14	35.28	40.266		
4,100.00	3,971.64	3,935.02	3,934.60	22.11	16.96	174.39	230.89	-446.75	1,448.88	1,412.75	36.13	40.101		
4,200.00	4,067.83	4,028.79	4,028.36	22.67	17.36	174.48	231.58	-447.92	1,477.47	1,440.48	36.99	39.943		
4,300.00	4,164.02	4,123.94	4,123.50	23.24	17.76	174.57	232.36	-449.27	1,506.24	1,468.38	37.86	39.785		
4,400.00	4,260.22	4,228.59	4,228.14	23.81	18.20	174.67	232.90	-450.48	1,534.64	1,495.84	38.80	39.549		
4,500.00	4,356.41	4,327.02	4,326.57	24.37	18.61	174.75	233.21	-451.32	1,562.69	1,522.99	39.70	39.363		
4,600.00	4,452.60	4,421.48	4,421.02	24.94	19.01	174.82	233.37	-452.25	1,590.76	1,550.19	40.57	39.213		
4,700.00	4,548.79	4,518.16	4,517.69	25.51	19.42	174.90	233.66	-453.15	1,618.87	1,577.42	41.45	39.055		
4,800.00	4,644.99	4,619.33	4,618.86	26.08	19.85	174.96	233.44	-454.22	1,646.77	1,604.40	42.37	38.866		
4,900.00	4,741.18	4,717.29	4,716.81	26.65	20.26	175.00	232.84	-455.30	1,674.47	1,631.20	43.27	38.702		
5,000.00	4,837.37	4,813.48	4,812.99	27.21	20.67	175.03	232.05	-456.47	1,702.13	1,657.98	44.15	38.555		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,910.78	4,910.28	27.78	21.08	175.06	231.01	-457.76	1,729.73	1,684.69	45.04	38.404		
5,200.00	5,029.76	5,004.56	5,004.04	28.35	21.48	175.07	229.88	-459.18	1,757.39	1,711.49	45.91	38.283		
5,300.00	5,125.95	5,105.98	5,105.44	28.92	21.91	175.09	228.65	-460.60	1,784.96	1,738.13	46.83	38.116		
5,400.00	5,222.15	5,209.11	5,208.55	29.49	22.34	175.10	226.97	-461.93	1,812.21	1,764.44	47.77	37.939		
5,500.00	5,318.34	5,313.38	5,312.80	30.06	22.78	175.12	225.26	-462.74	1,839.05	1,790.34	48.71	37.754		
5,600.00	5,414.53	5,407.40	5,406.82	30.63	23.18	175.15	224.11	-463.03	1,865.79	1,816.21	49.58	37.633		
5,700.00	5,510.73	5,504.67	5,504.08	31.20	23.59	175.19	222.96	-463.31	1,892.54	1,842.06	50.47	37.498		
5,800.00	5,606.92	5,612.73	5,612.13	31.77	24.05	175.22	221.31	-463.44	1,918.96	1,867.51	51.44	37.302		
5,900.00	5,703.11	5,704.66	5,704.05	32.34	24.44	175.26	219.96	-463.35	1,945.25	1,892.95	52.30	37.196		
6,000.00	5,799.31	5,800.45	5,799.83	32.91	24.84	175.29	218.57	-463.35	1,971.62	1,918.44	53.18	37.075		
6,100.00	5,895.50	5,907.53	5,906.89	33.48	25.30	175.33	216.94	-463.07	1,997.75	1,943.60	54.14	36.897		
6,200.00	5,991.69	5,992.12	5,991.47	34.05	25.65	175.37	216.01	-462.64	2,023.95	1,969.00	54.94	36.838		
6,300.00	6,087.89	6,098.42	6,097.77	34.62	26.10	175.43	215.18	-461.91	2,050.21	1,994.30	55.90	36.674		
6,400.00	6,184.08	6,191.80	6,191.14	35.19	26.50	175.48	214.25	-461.17	2,076.26	2,019.49	56.77	36.575		
6,500.00	6,280.27	6,294.11	6,293.44	35.77	26.93	175.53	213.09	-460.41	2,102.28	2,044.58	57.70	36.436		
6,535.30	6,314.23	6,325.77	6,325.10	35.97	27.06	175.55	212.76	-460.12	2,111.43	2,053.43	57.99	36.408		
6,550.00	6,328.40	6,338.59	6,337.91	36.05	27.12	171.92	212.63	-460.00	2,115.12	2,057.01	58.11	36.396		
6,600.00	6,377.01	6,382.50	6,381.82	36.31	27.30	156.14	212.27	-459.65	2,125.85	2,067.33	58.51	36.330		
6,650.00	6,426.00	6,430.30	6,429.62	36.54	27.50	134.84	211.96	-459.32	2,133.65	2,074.72	58.93	36.206		
6,700.00	6,475.08	6,480.53	6,479.85	36.73	27.72	111.91	211.61	-458.96	2,138.41	2,079.06	59.35	36.031		
6,750.00	6,523.94	6,527.86	6,527.18	36.90	27.92	93.44	211.25	-458.64	2,140.12	2,080.39	59.73	35.831		
6,800.00	6,572.28	6,573.03	6,572.34	37.05	28.11	81.02	210.88	-458.43	2,138.88	2,078.81	60.07	35.606		
6,850.00	6,619.81	6,619.58	6,618.90	37.19	28.30	73.14	210.47	-458.32	2,134.73	2,074.32	60.41	35.339		
6,900.00	6,666.23	6,668.27	6,667.58	37.32	28.51	68.23	209.97	-458.23	2,127.66	2,066.91	60.75	35.025		
6,950.00	6,711.25	6,713.02	6,712.32	37.46	28.70	65.22	209.43	-458.17	2,117.75	2,056.71	61.05	34.691		
7,000.00	6,754.60	6,751.16	6,750.47	37.61	28.86	63.48	209.05	-458.13	2,105.24	2,043.95	61.29	34.349		
7,050.00	6,796.01	6,787.58	6,786.89	37.77	29.02	62.71	208.79	-458.12	2,090.30	2,028.78	61.52	33.978		
7,100.00	6,835.22	6,822.77	6,822.08	37.94	29.17	62.70	208.64	-458.13	2,073.06	2,011.31	61.75	33.573		
7,150.00	6,871.99	6,856.21	6,855.51	38.12	29.31	63.31	208.53	-458.18	2,053.69	1,991.71	61.98	33.136		
7,200.00	6,906.10	6,887.29	6,886.59	38.34	29.44	64.45	208.46	-458.27	2,032.36	1,970.15	62.21	32.668		
7,250.00	6,937.34	6,916.88	6,916.18	38.57	29.57	66.07	208.42	-458.39	2,009.28	1,946.81	62.47	32.164		
7,300.00	6,965.51	6,944.35	6,943.66	38.84	29.68	68.11	208.39	-458.51	1,984.62	1,921.87	62.76	31.625		
7,350.00	6,990.44	6,968.71	6,968.01	39.14	29.79	70.51	208.38	-458.61	1,958.62	1,895.55	63.07	31.055		
7,400.00	7,011.97	6,989.80	6,989.10	39.47	29.88	73.20	208.37	-458.71	1,931.51	1,868.09	63.42	30.457		
7,450.00	7,029.98	7,008.39	7,007.70	39.85	29.96	76.15	208.37	-458.80	1,903.53	1,839.71	63.82	29.828		
7,500.00	7,044.34	7,024.26	7,023.56	40.26	30.03	79.31	208.36	-458.87	1,874.89	1,810.62	64.27	29.172		
7,550.00	7,054.99	7,036.05	7,035.35	40.72	30.08	82.56	208.35	-458.92	1,845.86	1,781.09	64.77	28.498		
7,600.00	7,061.83	7,043.70	7,043.01	41.21	30.11	85.83	208.34	-458.95	1,816.66	1,751.34	65.32	27.812		
7,650.00	7,064.85	7,047.18	7,046.48	41.73	30.12	89.06	208.33	-458.96	1,787.51	1,721.60	65.91	27.120		
7,661.89	7,065.00	7,047.39	7,046.70	41.86	30.12	89.81	208.33	-458.96	1,780.61	1,714.55	66.06	26.955		
7,700.00	7,065.13	7,047.69	7,046.99	42.28	30.13	89.82	208.33	-458.96	1,758.80	1,692.25	66.55	26.427		
7,800.00	7,065.47	7,048.47	7,047.78	43.53	30.13	89.85	208.33	-458.96	1,704.30	1,636.26	68.05	25.046		
7,900.00	7,065.82	7,049.25	7,048.55	44.94	30.13	89.88	208.33	-458.97	1,654.06	1,584.24	69.82	23.690		
8,000.00	7,066.16	7,050.03	7,049.33	46.50	30.13	89.91	208.33	-458.97	1,608.46	1,536.60	71.86	22.382		
8,100.00	7,066.50	7,050.80	7,050.10	48.19	30.14	89.94	208.33	-458.97	1,567.93	1,493.78	74.15	21.145		
8,200.00	7,066.85	7,051.57	7,050.87	50.00	30.14	89.97	208.32	-458.98	1,532.86	1,456.21	76.65	19.999		
8,300.00	7,067.19	7,052.33	7,051.63	51.91	30.14	90.00	208.32	-458.98	1,503.63	1,424.33	79.30	18.961		
8,400.00	7,067.54	7,053.09	7,052.40	53.92	30.15	90.03	208.32	-458.98	1,480.59	1,398.54	82.06	18.044		
8,500.00	7,067.88	7,053.85	7,053.15	56.01	30.15	90.06	208.32	-458.98	1,464.04	1,379.19	84.85	17.255		
8,600.00	7,068.22	7,054.61	7,053.91	58.16	30.15	90.09	208.32	-458.99	1,454.18	1,366.58	87.60	16.600		
8,693.77	7,068.54	7,055.31	7,054.62	60.24	30.16	90.12	208.32	-458.99	1,451.16	1,361.05	90.11	16.105		
8,700.00	7,068.57	7,055.36	7,054.66	60.38	30.16	90.12	208.32	-458.99	1,451.17	1,360.91	90.27	16.077		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,056.11	7,055.41	62.65	30.16	90.15	208.32	-458.99	1,455.04	1,362.27	92.77	15.684		
8,900.00	7,069.25	7,056.85	7,056.16	64.97	30.16	90.18	208.31	-459.00	1,465.74	1,370.66	95.08	15.416		
9,000.00	7,069.60	7,057.60	7,056.90	67.34	30.17	90.21	208.31	-459.00	1,483.12	1,385.96	97.15	15.266		
9,100.00	7,069.94	7,058.34	7,057.64	69.74	30.17	90.24	208.31	-459.00	1,506.94	1,407.98	98.97	15.227 SF		
9,200.00	7,070.28	7,059.07	7,058.37	72.18	30.17	90.27	208.31	-459.00	1,536.92	1,436.40	100.52	15.290		
9,300.00	7,070.63	7,059.81	7,059.11	74.65	30.18	90.30	208.31	-459.01	1,572.69	1,470.88	101.81	15.448		
9,400.00	7,070.97	7,060.54	7,059.84	77.15	30.18	90.33	208.31	-459.01	1,613.87	1,511.02	102.85	15.691		
9,500.00	7,071.32	7,061.26	7,060.57	79.67	30.18	90.36	208.30	-459.01	1,660.07	1,556.40	103.67	16.013		
9,600.00	7,071.66	7,061.99	7,061.29	82.22	30.19	90.38	208.30	-459.01	1,710.87	1,606.58	104.29	16.405		
9,700.00	7,072.00	7,062.71	7,062.01	84.78	30.19	90.41	208.30	-459.02	1,765.87	1,661.14	104.73	16.862		
9,800.00	7,072.35	7,063.43	7,062.73	87.37	30.19	90.44	208.30	-459.02	1,824.70	1,719.69	105.01	17.376		
9,900.00	7,072.69	7,064.14	7,063.44	89.97	30.20	90.47	208.30	-459.02	1,887.00	1,781.82	105.17	17.942		
10,000.00	7,073.03	7,064.86	7,064.16	92.59	30.20	90.50	208.30	-459.02	1,952.43	1,847.21	105.23	18.554		
10,100.00	7,073.38	7,065.56	7,064.87	95.22	30.20	90.53	208.29	-459.03	2,020.70	1,915.51	105.19	19.209		
10,200.00	7,073.72	7,066.27	7,065.57	97.86	30.20	90.55	208.29	-459.03	2,091.52	1,986.43	105.09	19.902		
10,300.00	7,074.07	7,066.97	7,066.28	100.52	30.21	90.58	208.29	-459.03	2,164.65	2,059.71	104.93	20.629		
10,400.00	7,074.41	7,067.68	7,066.98	103.19	30.21	90.61	208.29	-459.03	2,239.85	2,135.12	104.73	21.387		
10,500.00	7,074.75	7,068.37	7,067.67	105.87	30.21	90.64	208.29	-459.04	2,316.93	2,212.44	104.49	22.174		
10,600.00	7,075.10	7,069.07	7,068.37	108.55	30.22	90.66	208.28	-459.04	2,395.70	2,291.47	104.23	22.985		
10,700.00	7,075.44	7,069.76	7,069.06	111.25	30.22	90.69	208.28	-459.04	2,476.00	2,372.06	103.95	23.820		
10,800.00	7,075.78	7,070.45	7,069.75	113.96	30.22	90.72	208.28	-459.04	2,557.70	2,454.04	103.66	24.675		
10,900.00	7,076.13	7,071.14	7,070.44	116.67	30.22	90.75	208.28	-459.05	2,640.65	2,537.30	103.36	25.549		
11,000.00	7,076.47	7,071.82	7,071.12	119.39	30.23	90.77	208.28	-459.05	2,724.75	2,621.70	103.05	26.440		
11,100.00	7,076.81	7,072.50	7,071.80	122.11	30.23	90.80	208.28	-459.05	2,809.89	2,707.15	102.75	27.348		
11,200.00	7,077.16	7,073.18	7,072.48	124.85	30.23	90.83	208.27	-459.05	2,895.98	2,793.54	102.44	28.269		
11,300.00	7,077.50	7,073.85	7,073.16	127.58	30.24	90.85	208.27	-459.05	2,982.94	2,880.80	102.14	29.204		
11,400.00	7,077.85	7,074.53	7,073.83	130.33	30.24	90.88	208.27	-459.06	3,070.69	2,968.85	101.85	30.150		
11,500.00	7,078.19	7,075.20	7,074.50	133.08	30.24	90.91	208.27	-459.06	3,159.17	3,057.62	101.56	31.107		
11,600.00	7,078.53	7,075.87	7,075.17	135.83	30.25	90.93	208.27	-459.06	3,248.32	3,147.05	101.27	32.075		
11,700.00	7,078.88	7,076.53	7,075.83	138.59	30.25	90.96	208.26	-459.06	3,338.08	3,237.09	101.00	33.052		
11,800.00	7,079.22	7,077.19	7,076.49	141.35	30.25	90.98	208.26	-459.06	3,428.41	3,327.69	100.73	34.037		
11,900.00	7,079.56	7,077.85	7,077.15	144.11	30.25	91.01	208.26	-459.07	3,519.27	3,418.80	100.47	35.029		
12,000.00	7,079.91	7,078.51	7,077.81	146.88	30.26	91.04	208.26	-459.07	3,610.60	3,510.39	100.21	36.029		
12,100.00	7,080.25	7,079.16	7,078.46	149.66	30.26	91.06	208.26	-459.07	3,702.39	3,602.42	99.97	37.036		
12,200.00	7,080.60	7,079.82	7,079.12	152.43	30.26	91.09	208.25	-459.07	3,794.59	3,694.85	99.73	38.048		
12,300.00	7,080.94	7,080.46	7,079.77	155.21	30.26	91.11	208.25	-459.08	3,887.17	3,787.67	99.50	39.066		
12,400.00	7,081.28	7,081.11	7,080.41	157.99	30.27	91.14	208.25	-459.08	3,980.11	3,880.83	99.28	40.089		
12,500.00	7,081.63	7,081.76	7,081.06	160.78	30.27	91.17	208.25	-459.08	4,073.39	3,974.32	99.07	41.116		
12,600.00	7,081.97	7,082.40	7,081.70	163.57	30.27	91.19	208.25	-459.08	4,166.98	4,068.11	98.86	42.148		
12,700.00	7,082.31	7,083.04	7,082.34	166.36	30.28	91.22	208.24	-459.08	4,260.86	4,162.19	98.67	43.184		
12,800.00	7,082.66	7,083.67	7,082.97	169.15	30.28	91.24	208.24	-459.09	4,355.01	4,256.54	98.48	44.223		
12,900.00	7,083.00	7,084.31	7,083.61	171.94	30.28	91.27	208.24	-459.09	4,449.42	4,351.13	98.29	45.266		
13,000.00	7,083.35	7,084.94	7,084.24	174.74	30.28	91.29	208.24	-459.09	4,544.07	4,445.95	98.12	46.312		
13,100.00	7,083.69	7,085.57	7,084.87	177.54	30.29	91.32	208.24	-459.09	4,638.94	4,540.99	97.95	47.360		
13,200.00	7,084.03	7,086.19	7,085.50	180.34	30.29	91.34	208.23	-459.09	4,734.02	4,636.23	97.79	48.411		
13,300.00	7,084.38	7,086.82	7,086.12	183.14	30.29	91.36	208.23	-459.10	4,829.30	4,731.67	97.63	49.465		
13,400.00	7,084.72	7,087.44	7,086.74	185.95	30.29	91.39	208.23	-459.10	4,924.77	4,827.29	97.48	50.520		
13,500.00	7,085.06	7,088.06	7,087.36	188.76	30.30	91.41	208.23	-459.10	5,020.41	4,923.08	97.34	51.577		
13,600.00	7,085.41	7,088.68	7,087.98	191.56	30.30	91.44	208.23	-459.10	5,116.23	5,019.03	97.20	52.636		
13,700.00	7,085.75	7,089.29	7,088.59	194.37	30.30	91.46	208.22	-459.10	5,212.19	5,115.13	97.07	53.696		
13,800.00	7,086.09	7,089.91	7,089.21	197.18	30.30	91.49	208.22	-459.10	5,308.31	5,211.37	96.94	54.758		
13,900.00	7,086.44	7,090.52	7,089.82	200.00	30.31	91.51	208.22	-459.11	5,404.57	5,307.75	96.82	55.821		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,091.12	7,090.42	202.81	30.31	91.53	208.22	-459.11	5,500.96	5,404.26	96.70	56.885		
14,100.00	7,087.13	7,091.73	7,091.03	205.63	30.31	91.56	208.21	-459.11	5,597.48	5,500.89	96.59	57.950		
14,200.00	7,087.47	7,092.33	7,091.63	208.44	30.32	91.58	208.21	-459.11	5,694.12	5,597.63	96.48	59.016		
14,300.00	7,087.81	7,092.93	7,092.23	211.26	30.32	91.61	208.21	-459.11	5,790.87	5,694.49	96.38	60.082		
14,400.00	7,088.16	7,093.53	7,092.83	214.08	30.32	91.63	208.21	-459.11	5,887.73	5,791.44	96.28	61.149		
14,500.00	7,088.50	7,094.13	7,093.43	216.90	30.32	91.65	208.21	-459.12	5,984.69	5,888.50	96.19	62.217		
14,600.00	7,088.84	7,094.72	7,094.02	219.72	30.33	91.68	208.20	-459.12	6,081.75	5,985.65	96.10	63.284		
14,700.00	7,089.19	7,095.31	7,094.62	222.54	30.33	91.70	208.20	-459.12	6,178.91	6,082.89	96.02	64.352		
14,800.00	7,089.53	7,095.90	7,095.20	225.37	30.33	91.72	208.20	-459.12	6,276.15	6,180.22	95.94	65.420		
14,900.00	7,089.88	7,096.49	7,095.79	228.19	30.33	91.75	208.20	-459.12	6,373.48	6,277.63	95.86	66.488		
15,000.00	7,090.22	7,097.08	7,096.38	231.02	30.34	91.77	208.20	-459.13	6,470.90	6,375.11	95.79	67.556		
15,100.00	7,090.56	7,097.66	7,096.96	233.84	30.34	91.79	208.19	-459.13	6,568.39	6,472.67	95.72	68.624		
15,200.00	7,090.91	7,098.24	7,097.54	236.67	30.34	91.82	208.19	-459.13	6,665.95	6,570.30	95.65	69.692		
15,227.29	7,091.00	7,098.40	7,097.70	237.44	30.34	91.82	208.19	-459.13	6,692.59	6,596.96	95.63	69.983		
15,300.00	7,091.25	7,098.82	7,098.13	239.49	30.34	92.10	208.19	-459.13	6,763.77	6,668.18	95.59	70.758		
15,326.57	7,091.35	7,098.98	7,098.28	240.24	30.34	92.22	208.19	-459.13	6,789.88	6,694.31	95.58	71.041		
15,400.00	7,091.60	7,099.42	7,098.72	242.30	30.35	92.24	208.19	-459.13	6,862.13	6,766.58	95.54	71.822		
15,500.00	7,091.96	7,100.02	7,099.32	245.12	30.35	92.27	208.18	-459.13	6,960.55	6,865.05	95.50	72.885		
15,600.00	7,092.31	7,100.98	7,100.29	247.93	30.35	92.32	208.18	-459.14	7,059.01	6,963.55	95.46	73.946		
15,700.00	7,092.66	7,101.96	7,101.26	250.75	30.36	92.36	208.18	-459.14	7,157.52	7,062.10	95.43	75.006		
15,800.00	7,093.01	7,102.96	7,102.26	253.56	30.36	92.41	208.17	-459.14	7,256.07	7,160.68	95.39	76.066		
15,900.00	7,093.36	7,103.97	7,103.27	256.38	30.36	92.46	208.17	-459.14	7,354.66	7,259.30	95.36	77.124		
16,000.00	7,093.71	7,105.00	7,104.30	259.20	30.37	92.50	208.17	-459.15	7,453.29	7,357.95	95.33	78.181		
16,100.00	7,094.07	7,106.05	7,105.35	262.02	30.37	92.55	208.16	-459.15	7,551.95	7,456.64	95.31	79.238		
16,200.00	7,094.42	7,107.11	7,106.41	264.84	30.38	92.60	208.16	-459.15	7,650.64	7,555.36	95.28	80.293		
16,300.00	7,094.77	7,108.20	7,107.50	267.65	30.38	92.65	208.15	-459.16	7,749.37	7,654.11	95.26	81.347		
16,400.00	7,095.12	7,109.30	7,108.61	270.47	30.39	92.71	208.15	-459.16	7,848.14	7,752.89	95.24	82.399		
16,500.00	7,095.47	7,110.43	7,109.73	273.30	30.39	92.76	208.15	-459.17	7,946.93	7,851.70	95.23	83.451		
16,600.00	7,095.82	7,111.58	7,110.88	276.12	30.40	92.81	208.14	-459.17	8,045.75	7,950.54	95.21	84.501		
16,700.00	7,096.18	7,112.75	7,112.05	278.94	30.40	92.87	208.14	-459.17	8,144.60	8,049.40	95.20	85.550		
16,800.00	7,096.53	7,113.94	7,113.24	281.76	30.41	92.92	208.13	-459.18	8,243.48	8,148.29	95.19	86.597		
16,900.00	7,096.88	7,115.15	7,114.45	284.58	30.41	92.98	208.13	-459.18	8,342.39	8,247.20	95.19	87.643		
17,000.00	7,097.23	7,116.39	7,115.69	287.41	30.42	93.04	208.13	-459.19	8,441.32	8,346.14	95.18	88.688		
17,100.00	7,097.58	7,117.65	7,116.95	290.23	30.42	93.10	208.12	-459.19	8,540.27	8,445.10	95.18	89.731		
17,200.00	7,097.93	7,118.93	7,118.23	293.06	30.43	93.16	208.12	-459.20	8,639.25	8,544.08	95.18	90.772		
17,300.00	7,098.29	7,120.24	7,119.54	295.88	30.43	93.22	208.12	-459.20	8,738.26	8,643.08	95.18	91.812		
17,400.00	7,098.64	7,121.58	7,120.88	298.71	30.44	93.28	208.11	-459.21	8,837.28	8,742.10	95.18	92.850		
17,500.00	7,098.99	7,122.94	7,122.25	301.53	30.45	93.34	208.11	-459.21	8,936.33	8,841.15	95.18	93.887		
17,600.00	7,099.34	7,124.34	7,123.64	304.36	30.45	93.41	208.10	-459.22	9,035.40	8,940.21	95.19	94.922		
17,700.00	7,099.69	7,125.76	7,125.06	307.19	30.46	93.47	208.10	-459.22	9,134.48	9,039.29	95.20	95.955		
17,800.00	7,100.04	7,127.21	7,126.51	310.01	30.46	93.54	208.10	-459.23	9,233.59	9,138.39	95.20	96.987		
17,900.00	7,100.40	7,128.69	7,127.99	312.84	30.47	93.61	208.09	-459.24	9,332.72	9,237.50	95.22	98.017		
18,000.00	7,100.75	7,130.20	7,129.50	315.67	30.48	93.68	208.09	-459.24	9,431.86	9,336.63	95.23	99.045		
18,100.00	7,101.10	7,131.75	7,131.05	318.50	30.48	93.75	208.09	-459.25	9,531.03	9,435.78	95.24	100.071		
18,200.00	7,101.45	7,133.33	7,132.63	321.33	30.49	93.83	208.08	-459.26	9,630.21	9,534.95	95.26	101.095		
18,300.00	7,101.80	7,134.94	7,134.24	324.16	30.50	93.90	208.08	-459.27	9,729.40	9,634.13	95.28	102.117		
18,400.00	7,102.16	7,136.59	7,135.89	326.99	30.50	93.98	208.07	-459.27	9,828.61	9,733.32	95.30	103.138		
18,500.00	7,102.51	7,138.28	7,137.58	329.82	30.51	94.06	208.07	-459.28	9,927.84	9,832.53	95.32	104.156		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-117.82	-2,261.97	-4,287.28	4,847.42					
100.00	100.00	106.66	106.66	3.28	3.29	-117.82	-2,261.88	-4,287.07	4,847.22	4,840.64	6.57	737.467		
193.29	193.29	179.30	179.30	3.33	3.33	-117.81	-2,261.70	-4,287.02	4,847.04	4,840.38	6.66	727.983		
200.00	200.00	184.68	184.68	3.34	3.33	-117.81	-2,261.68	-4,287.03	4,847.04	4,840.37	6.67	726.977		
300.00	299.98	319.35	319.35	3.44	3.48	109.22	-2,260.76	-4,287.13	4,847.39	4,840.47	6.92	700.728		
400.00	399.84	417.52	417.51	3.59	3.64	109.26	-2,260.14	-4,286.66	4,848.40	4,841.17	7.23	670.600		
500.00	499.45	485.05	485.04	3.80	3.77	109.28	-2,259.99	-4,286.50	4,850.97	4,843.40	7.56	641.360		
600.00	598.70	585.47	585.47	4.04	4.00	109.34	-2,259.75	-4,286.70	4,855.10	4,847.06	8.04	604.073		
700.00	697.47	722.72	722.71	4.32	4.36	109.50	-2,258.68	-4,286.58	4,859.90	4,851.21	8.69	559.471		
800.00	795.62	818.29	818.28	4.65	4.64	109.60	-2,258.13	-4,285.97	4,865.55	4,856.26	9.29	523.609		
900.00	893.06	895.47	895.45	5.02	4.88	109.65	-2,257.99	-4,285.57	4,872.73	4,862.83	9.90	492.414		
993.00	982.91	965.84	965.82	5.39	5.11	109.70	-2,258.00	-4,285.46	4,880.92	4,870.42	10.49	465.114		
1,000.00	989.65	971.11	971.09	5.42	5.13	109.71	-2,258.00	-4,285.46	4,881.59	4,871.05	10.54	463.106		
1,100.00	1,085.84	1,057.71	1,057.69	5.86	5.42	109.98	-2,257.91	-4,285.74	4,891.43	4,880.17	11.26	434.407		
1,200.00	1,182.03	1,177.76	1,177.74	6.32	5.83	110.35	-2,257.30	-4,286.23	4,901.34	4,889.21	12.13	404.122		
1,300.00	1,278.22	1,275.45	1,275.43	6.79	6.18	110.65	-2,256.79	-4,286.17	4,910.95	4,898.01	12.95	379.322		
1,400.00	1,374.42	1,361.48	1,361.46	7.28	6.50	110.91	-2,256.78	-4,286.05	4,920.84	4,907.10	13.74	358.075		
1,500.00	1,470.61	1,440.98	1,440.95	7.79	6.79	111.14	-2,256.99	-4,286.05	4,931.11	4,916.58	14.53	339.407		
1,600.00	1,566.80	1,518.26	1,518.24	8.30	7.08	111.37	-2,257.27	-4,286.37	4,941.90	4,926.58	15.32	322.622		
1,700.00	1,663.00	1,603.71	1,603.68	8.82	7.41	111.62	-2,257.63	-4,286.97	4,953.08	4,936.93	16.15	306.707		
1,800.00	1,759.19	1,688.24	1,688.20	9.34	7.73	111.87	-2,258.19	-4,287.67	4,964.61	4,947.62	16.99	292.274		
1,900.00	1,855.38	1,773.12	1,773.08	9.87	8.06	112.11	-2,258.94	-4,288.51	4,976.48	4,958.65	17.83	279.075		
2,000.00	1,951.58	1,910.15	1,910.10	10.41	8.60	112.51	-2,259.90	-4,289.70	4,988.35	4,969.45	18.90	263.956		
2,100.00	2,047.77	2,034.58	2,034.52	10.95	9.10	112.87	-2,260.66	-4,289.83	4,999.61	4,979.69	19.92	250.957		
2,200.00	2,143.96	2,157.08	2,157.03	11.49	9.59	113.22	-2,260.65	-4,289.31	5,010.24	4,989.30	20.94	239.213		
2,300.00	2,240.16	2,244.06	2,244.01	12.04	9.93	113.46	-2,260.82	-4,288.77	5,020.92	4,999.10	21.82	230.056		
2,400.00	2,336.35	2,318.24	2,318.18	12.58	10.23	113.67	-2,261.45	-4,288.37	5,032.04	5,009.38	22.65	222.125		
2,500.00	2,432.54	2,381.28	2,381.22	13.13	10.49	113.84	-2,262.14	-4,288.36	5,043.83	5,020.39	23.44	215.203		
2,600.00	2,528.74	2,466.00	2,465.93	13.69	10.83	114.08	-2,263.02	-4,288.85	5,056.23	5,031.91	24.31	207.948		
2,700.00	2,624.93	2,577.77	2,577.70	14.24	11.29	114.39	-2,263.93	-4,289.53	5,068.70	5,043.39	25.31	200.253		
2,800.00	2,721.12	2,684.51	2,684.43	14.80	11.73	114.68	-2,264.82	-4,289.79	5,080.96	5,054.67	26.29	193.272		
2,900.00	2,817.32	2,779.69	2,779.61	15.35	12.12	114.94	-2,265.75	-4,289.88	5,093.25	5,066.03	27.22	187.123		
3,000.00	2,913.51	2,851.82	2,851.73	15.91	12.42	115.14	-2,266.59	-4,290.05	5,105.86	5,077.82	28.05	182.039		
3,100.00	3,009.70	2,938.66	2,938.56	16.47	12.77	115.37	-2,267.51	-4,290.81	5,119.09	5,090.15	28.94	176.868		
3,200.00	3,105.90	3,067.23	3,067.13	17.03	13.31	115.72	-2,268.27	-4,291.55	5,132.01	5,101.99	30.02	170.925		
3,300.00	3,202.09	3,153.53	3,153.42	17.59	13.66	115.96	-2,268.98	-4,291.74	5,144.81	5,113.89	30.92	166.391		
3,400.00	3,298.28	3,228.91	3,228.80	18.15	13.98	116.16	-2,269.92	-4,292.11	5,158.10	5,126.33	31.77	162.377		
3,500.00	3,394.48	3,312.41	3,312.29	18.72	14.32	116.38	-2,270.99	-4,292.84	5,171.85	5,139.20	32.65	158.407		
3,600.00	3,490.67	3,442.28	3,442.15	19.28	14.87	116.73	-2,271.87	-4,293.76	5,185.33	5,151.59	33.74	153.669		
3,700.00	3,586.86	3,539.92	3,539.79	19.84	15.27	116.99	-2,272.24	-4,294.30	5,198.73	5,164.04	34.69	149.854		
3,800.00	3,683.06	3,637.54	3,637.41	20.41	15.68	117.25	-2,272.56	-4,294.84	5,212.21	5,176.57	35.64	146.242		
3,900.00	3,779.25	3,735.14	3,735.01	20.97	16.09	117.51	-2,272.82	-4,295.36	5,225.77	5,189.18	36.59	142.819		
4,000.00	3,875.44	3,832.73	3,832.59	21.54	16.50	117.77	-2,273.02	-4,295.87	5,239.41	5,201.87	37.54	139.569		
4,100.00	3,971.64	3,930.29	3,930.15	22.11	16.91	118.03	-2,273.16	-4,296.38	5,253.14	5,214.65	38.49	136.482		
4,200.00	4,067.83	4,027.84	4,027.70	22.67	17.32	118.29	-2,273.24	-4,296.87	5,266.95	5,227.51	39.44	133.545		
4,300.00	4,164.02	4,125.36	4,125.22	23.24	17.73	118.55	-2,273.27	-4,297.36	5,280.85	5,240.46	40.39	130.748		
4,400.00	4,260.22	4,224.77	4,224.63	23.81	18.15	118.81	-2,273.22	-4,297.84	5,294.82	5,253.47	41.35	128.055		
4,500.00	4,356.41	4,328.56	4,328.42	24.37	18.58	119.09	-2,272.87	-4,298.31	5,308.77	5,266.45	42.33	125.423		
4,600.00	4,452.60	4,426.20	4,426.06	24.94	19.00	119.35	-2,272.21	-4,298.75	5,322.76	5,279.48	43.28	122.994		
4,700.00	4,548.79	4,513.63	4,513.48	25.51	19.36	119.59	-2,271.55	-4,299.19	5,336.88	5,292.70	44.18	120.803		
4,800.00	4,644.99	4,579.57	4,579.42	26.08	19.64	119.76	-2,270.99	-4,299.82	5,351.50	5,306.53	44.98	118.982		
4,900.00	4,741.18	4,680.92	4,680.76	26.65	20.07	120.04	-2,270.02	-4,301.17	5,366.56	5,320.61	45.94	116.806		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,787.83	4,787.65	27.21	20.52	120.32	-2,268.92	-4,302.31	5,381.46	5,334.52	46.94	114.652		
5,100.00	4,933.57	4,914.84	4,914.66	27.78	21.06	120.65	-2,268.54	-4,302.94	5,396.13	5,348.11	48.03	112.358		
5,200.00	5,029.76	4,995.68	4,995.49	28.35	21.40	120.85	-2,269.16	-4,303.02	5,410.80	5,361.90	48.90	110.660		
5,300.00	5,125.95	5,073.09	5,072.90	28.92	21.73	121.03	-2,269.92	-4,303.25	5,425.80	5,376.06	49.75	109.067		
5,400.00	5,222.15	5,161.52	5,161.32	29.49	22.10	121.25	-2,270.56	-4,303.84	5,441.18	5,390.53	50.65	107.423		
5,500.00	5,318.34	5,253.67	5,253.47	30.06	22.49	121.48	-2,270.87	-4,304.60	5,456.71	5,405.14	51.57	105.804		
5,600.00	5,414.53	5,389.94	5,389.73	30.63	23.07	121.81	-2,271.48	-4,305.45	5,472.23	5,419.52	52.71	103.817		
5,700.00	5,510.73	5,485.90	5,485.69	31.20	23.47	122.04	-2,272.37	-4,305.39	5,487.25	5,433.60	53.65	102.277		
5,800.00	5,606.92	5,596.90	5,596.67	31.77	23.94	122.29	-2,274.17	-4,305.05	5,502.30	5,447.63	54.66	100.657		
5,900.00	5,703.11	5,680.16	5,679.93	32.34	24.30	122.48	-2,275.38	-4,304.79	5,517.38	5,461.84	55.54	99.337		
6,000.00	5,799.31	5,748.23	5,747.99	32.91	24.59	122.63	-2,276.30	-4,304.83	5,532.89	5,476.55	56.34	98.198		
6,100.00	5,895.50	5,818.66	5,818.41	33.48	24.89	122.79	-2,277.33	-4,305.30	5,549.04	5,491.88	57.16	97.086		
6,200.00	5,991.69	5,925.80	5,925.55	34.05	25.34	123.04	-2,278.30	-4,306.26	5,565.39	5,507.24	58.15	95.707		
6,300.00	6,087.89	6,061.40	6,061.14	34.62	25.92	123.37	-2,278.42	-4,307.06	5,581.38	5,522.09	59.29	94.144		
6,400.00	6,184.08	6,176.79	6,176.53	35.19	26.40	123.64	-2,278.47	-4,307.06	5,596.87	5,536.55	60.32	92.789		
6,500.00	6,280.27	6,327.47	6,272.27	35.77	27.04	123.86	-2,278.79	-4,306.85	5,612.32	5,550.83	61.49	91.278		
6,535.30	6,314.23	6,306.54	6,306.28	35.97	26.95	123.94	-2,278.97	-4,306.78	5,617.81	5,556.22	61.58	91.221		
6,550.00	6,328.40	6,320.73	6,320.47	36.05	27.01	120.59	-2,279.05	-4,306.74	5,619.93	5,558.21	61.72	91.053		
6,600.00	6,377.01	6,369.40	6,369.14	36.31	27.22	105.55	-2,279.31	-4,306.63	5,624.70	5,562.52	62.18	90.463		
6,650.00	6,426.00	6,418.45	6,418.19	36.54	27.43	84.66	-2,279.57	-4,306.53	5,625.66	5,563.04	62.61	89.850		
6,700.00	6,475.08	6,467.58	6,467.31	36.73	27.64	61.82	-2,279.83	-4,306.42	5,622.79	5,559.77	63.02	89.226		
6,750.00	6,523.94	6,516.48	6,516.21	36.90	27.85	43.14	-2,280.09	-4,306.31	5,616.11	5,552.71	63.39	88.594		
6,800.00	6,572.28	6,564.85	6,564.58	37.05	28.05	30.22	-2,280.34	-4,306.20	5,605.65	5,541.92	63.74	87.951		
6,850.00	6,619.81	6,612.40	6,612.13	37.19	28.25	21.52	-2,280.60	-4,306.09	5,591.48	5,527.43	64.06	87.292		
6,900.00	6,666.23	6,658.82	6,658.55	37.32	28.45	15.43	-2,280.84	-4,305.99	5,573.69	5,509.34	64.35	86.613		
6,950.00	6,711.25	6,703.84	6,703.57	37.46	28.64	10.92	-2,281.08	-4,305.89	5,552.37	5,487.75	64.63	85.915		
7,000.00	6,754.60	6,747.18	6,746.91	37.61	28.83	7.38	-2,281.31	-4,305.79	5,527.67	5,462.79	64.88	85.197		
7,050.00	6,796.01	6,788.57	6,788.30	37.77	29.00	4.42	-2,281.53	-4,305.70	5,499.72	5,434.60	65.12	84.461		
7,100.00	6,835.22	6,827.75	6,827.48	37.94	29.17	1.80	-2,281.74	-4,305.61	5,468.70	5,403.37	65.33	83.707		
7,150.00	6,871.99	6,864.49	6,864.22	38.12	29.32	-0.70	-2,281.94	-4,305.53	5,434.80	5,369.27	65.53	82.936		
7,200.00	6,906.10	6,898.55	6,898.28	38.34	29.47	-3.21	-2,282.12	-4,305.45	5,398.23	5,332.52	65.71	82.151		
7,250.00	6,937.34	6,929.73	6,929.46	38.57	29.60	-5.91	-2,282.28	-4,305.38	5,359.22	5,293.34	65.88	81.354		
7,300.00	6,965.51	6,957.84	6,957.57	38.84	29.72	-9.00	-2,282.43	-4,305.32	5,318.00	5,251.98	66.02	80.546		
7,350.00	6,990.44	6,982.69	6,982.42	39.14	29.83	-12.72	-2,282.56	-4,305.27	5,274.84	5,208.68	66.16	79.730		
7,400.00	7,011.97	7,004.15	7,003.87	39.47	29.92	-17.47	-2,282.68	-4,305.22	5,229.99	5,163.71	66.28	78.909		
7,450.00	7,029.98	7,022.07	7,021.79	39.85	29.99	-23.86	-2,282.77	-4,305.18	5,183.75	5,117.37	66.39	78.084		
7,500.00	7,044.34	7,036.34	7,036.07	40.26	30.06	-32.84	-2,282.85	-4,305.15	5,136.40	5,069.92	66.48	77.259		
7,550.00	7,054.99	7,046.88	7,046.61	40.72	30.10	-45.74	-2,282.90	-4,305.12	5,088.24	5,021.67	66.57	76.436		
7,600.00	7,061.83	7,053.63	7,053.35	41.21	30.13	-63.53	-2,282.94	-4,305.11	5,039.56	4,972.92	66.65	75.617		
7,650.00	7,064.85	7,056.53	7,056.26	41.73	30.14	-84.48	-2,282.96	-4,305.10	4,990.68	4,923.96	66.71	74.807		
7,661.89	7,065.00	7,056.65	7,056.38	41.86	30.14	-89.39	-2,282.96	-4,305.10	4,979.06	4,912.33	66.73	74.615		
7,700.00	7,065.13	7,056.70	7,056.42	42.28	30.14	-89.39	-2,282.96	-4,305.10	4,941.83	4,875.05	66.78	74.002		
7,800.00	7,065.47	7,056.82	7,056.54	43.53	30.14	-89.40	-2,282.96	-4,305.10	4,844.20	4,777.28	66.92	72.384		
7,900.00	7,065.82	7,056.93	7,056.66	44.94	30.14	-89.40	-2,282.96	-4,305.10	4,746.68	4,679.59	67.09	70.753		
8,000.00	7,066.16	7,057.05	7,056.78	46.50	30.14	-89.41	-2,282.96	-4,305.10	4,649.26	4,581.99	67.28	69.108		
8,100.00	7,066.50	7,057.17	7,056.89	48.19	30.14	-89.42	-2,282.96	-4,305.10	4,551.95	4,484.47	67.49	67.449		
8,200.00	7,066.85	7,057.29	7,057.01	50.00	30.14	-89.42	-2,282.96	-4,305.10	4,454.76	4,387.04	67.73	65.777		
8,300.00	7,067.19	7,057.41	7,057.13	51.91	30.14	-89.43	-2,282.96	-4,305.10	4,357.70	4,289.71	67.99	64.090		
8,400.00	7,067.54	7,057.52	7,057.25	53.92	30.15	-89.43	-2,282.96	-4,305.10	4,260.78	4,192.49	68.29	62.390		
8,500.00	7,067.88	7,057.64	7,057.37	56.01	30.15	-89.44	-2,282.96	-4,305.10	4,164.00	4,095.37	68.63	60.675		
8,600.00	7,068.22	7,057.76	7,057.48	58.16	30.15	-89.45	-2,282.96	-4,305.10	4,067.37	3,998.37	69.00	58.947		
8,700.00	7,068.57	7,057.88	7,057.60	60.38	30.15	-89.45	-2,282.96	-4,305.10	3,970.92	3,901.50	69.42	57.205		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,057.99	7,057.72	62.65	30.15	-89.46	-2,282.96	-4,305.10	3,874.64	3,804.77	69.88	55.451		
8,900.00	7,069.25	7,058.11	7,057.84	64.97	30.15	-89.47	-2,282.96	-4,305.10	3,778.56	3,708.17	70.39	53.684		
9,000.00	7,069.60	7,058.23	7,057.95	67.34	30.15	-89.47	-2,282.96	-4,305.10	3,682.68	3,611.73	70.95	51.905		
9,100.00	7,069.94	7,058.35	7,058.07	69.74	30.15	-89.48	-2,282.96	-4,305.10	3,587.03	3,515.46	71.57	50.116		
9,200.00	7,070.28	7,058.46	7,058.19	72.18	30.15	-89.49	-2,282.97	-4,305.10	3,491.63	3,419.36	72.26	48.318		
9,300.00	7,070.63	7,058.58	7,058.31	74.65	30.15	-89.49	-2,282.97	-4,305.10	3,396.48	3,323.46	73.02	46.511		
9,400.00	7,070.97	7,058.70	7,058.42	77.15	30.15	-89.50	-2,282.97	-4,305.10	3,301.63	3,227.77	73.86	44.699		
9,500.00	7,071.32	7,058.82	7,058.54	79.67	30.15	-89.50	-2,282.97	-4,305.10	3,207.09	3,132.30	74.79	42.882		
9,600.00	7,071.66	7,058.93	7,058.66	82.22	30.15	-89.51	-2,282.97	-4,305.10	3,112.89	3,037.08	75.81	41.064		
9,700.00	7,072.00	7,059.05	7,058.78	84.78	30.15	-89.52	-2,282.97	-4,305.09	3,019.06	2,942.13	76.93	39.247		
9,800.00	7,072.35	7,059.17	7,058.89	87.37	30.15	-89.52	-2,282.97	-4,305.09	2,925.64	2,847.48	78.16	37.433		
9,900.00	7,072.69	7,059.29	7,059.01	89.97	30.15	-89.53	-2,282.97	-4,305.09	2,832.67	2,753.16	79.51	35.626		
10,000.00	7,073.03	7,059.40	7,059.13	92.59	30.15	-89.54	-2,282.97	-4,305.09	2,740.19	2,659.20	81.00	33.830		
10,100.00	7,073.38	7,059.52	7,059.25	95.22	30.15	-89.54	-2,282.97	-4,305.09	2,648.27	2,565.63	82.63	32.048		
10,200.00	7,073.72	7,059.64	7,059.36	97.86	30.15	-89.55	-2,282.97	-4,305.09	2,556.95	2,472.52	84.43	30.285		
10,300.00	7,074.07	7,059.76	7,059.48	100.52	30.15	-89.55	-2,282.97	-4,305.09	2,466.30	2,379.90	86.40	28.545		
10,400.00	7,074.41	7,059.88	7,059.60	103.19	30.16	-89.56	-2,282.97	-4,305.09	2,376.40	2,287.83	88.56	26.832		
10,500.00	7,074.75	7,059.99	7,059.72	105.87	30.16	-89.57	-2,282.97	-4,305.09	2,287.34	2,196.40	90.94	25.152		
10,600.00	7,075.10	7,060.11	7,059.84	108.55	30.16	-89.57	-2,282.97	-4,305.09	2,199.22	2,105.68	93.54	23.510		
10,700.00	7,075.44	7,060.23	7,059.95	111.25	30.16	-89.58	-2,282.97	-4,305.09	2,112.16	2,015.76	96.40	21.910		
10,800.00	7,075.78	7,060.35	7,060.07	113.96	30.16	-89.59	-2,282.98	-4,305.09	2,026.30	1,926.77	99.53	20.359		
10,900.00	7,076.13	7,060.46	7,060.19	116.67	30.16	-89.59	-2,282.98	-4,305.09	1,941.79	1,838.83	102.96	18.860		
11,000.00	7,076.47	7,060.58	7,060.31	119.39	30.16	-89.60	-2,282.98	-4,305.09	1,858.81	1,752.10	106.71	17.420		
11,100.00	7,076.81	7,060.70	7,060.42	122.11	30.16	-89.61	-2,282.98	-4,305.09	1,777.59	1,666.79	110.81	16.043		
11,200.00	7,077.16	7,060.82	7,060.54	124.85	30.16	-89.61	-2,282.98	-4,305.09	1,698.38	1,583.11	115.27	14.734		
11,300.00	7,077.50	7,060.93	7,060.66	127.58	30.16	-89.62	-2,282.98	-4,305.09	1,621.46	1,501.34	120.13	13.498		
11,400.00	7,077.85	7,061.05	7,060.78	130.33	30.16	-89.62	-2,282.98	-4,305.09	1,547.19	1,421.81	125.38	12.340		
11,500.00	7,078.19	7,061.17	7,060.89	133.08	30.16	-89.63	-2,282.98	-4,305.09	1,475.95	1,344.91	131.04	11.263		
11,600.00	7,078.53	7,061.29	7,061.01	135.83	30.16	-89.64	-2,282.98	-4,305.09	1,408.22	1,271.13	137.10	10.272		
11,700.00	7,078.88	7,061.40	7,061.13	138.59	30.16	-89.64	-2,282.98	-4,305.09	1,344.52	1,201.02	143.50	9.369		
11,800.00	7,079.22	7,061.52	7,061.25	141.35	30.16	-89.65	-2,282.98	-4,305.09	1,285.46	1,135.25	150.20	8.558		
11,900.00	7,079.56	7,061.64	7,061.36	144.11	30.16	-89.66	-2,282.98	-4,305.09	1,231.68	1,074.60	157.09	7.841		
12,000.00	7,079.91	7,061.76	7,061.48	146.88	30.16	-89.66	-2,282.98	-4,305.09	1,183.93	1,019.93	164.01	7.219		
12,100.00	7,080.25	7,061.87	7,061.60	149.66	30.16	-89.67	-2,282.98	-4,305.09	1,142.96	972.20	170.76	6.694		
12,200.00	7,080.60	7,061.99	7,061.72	152.43	30.16	-89.68	-2,282.98	-4,305.09	1,109.50	932.41	177.09	6.265		
12,300.00	7,080.94	7,062.11	7,061.84	155.21	30.16	-89.68	-2,282.98	-4,305.09	1,084.28	901.53	182.74	5.933		
12,400.00	7,081.28	7,062.23	7,061.95	157.99	30.17	-89.69	-2,282.99	-4,305.09	1,067.85	880.41	187.44	5.697		
12,500.00	7,081.63	7,062.35	7,062.07	160.78	30.17	-89.69	-2,282.99	-4,305.09	1,060.64	869.69	190.95	5.554		
12,526.74	7,081.72	7,062.38	7,062.10	161.52	30.17	-89.70	-2,282.99	-4,305.09	1,060.30	868.63	191.67	5.532 CC, ES		
12,600.00	7,081.97	7,062.46	7,062.19	163.57	30.17	-89.70	-2,282.99	-4,305.09	1,062.83	869.69	193.14	5.503 SF		
12,700.00	7,082.31	7,062.58	7,062.31	166.36	30.17	-89.71	-2,282.99	-4,305.09	1,074.36	880.40	193.96	5.539		
12,800.00	7,082.66	7,062.70	7,062.42	169.15	30.17	-89.71	-2,282.99	-4,305.09	1,094.95	901.48	193.47	5.660		
12,900.00	7,083.00	7,062.82	7,062.54	171.94	30.17	-89.72	-2,282.99	-4,305.09	1,124.08	932.26	191.82	5.860		
13,000.00	7,083.35	7,062.93	7,062.66	174.74	30.17	-89.73	-2,282.99	-4,305.09	1,161.12	971.89	189.23	6.136		
13,100.00	7,083.69	7,063.05	7,062.78	177.54	30.17	-89.73	-2,282.99	-4,305.09	1,205.35	1,019.42	185.93	6.483		
13,200.00	7,084.03	7,063.17	7,062.89	180.34	30.17	-89.74	-2,282.99	-4,305.09	1,255.99	1,073.87	182.13	6.896		
13,300.00	7,084.38	7,063.29	7,063.01	183.14	30.17	-89.75	-2,282.99	-4,305.09	1,312.31	1,134.29	178.02	7.372		
13,400.00	7,084.72	7,063.40	7,063.13	185.95	30.17	-89.75	-2,282.99	-4,305.09	1,373.61	1,199.83	173.78	7.904		
13,500.00	7,085.06	7,063.52	7,063.25	188.76	30.17	-89.76	-2,282.99	-4,305.08	1,439.26	1,269.73	169.52	8.490		
13,600.00	7,085.41	7,063.64	7,063.36	191.56	30.17	-89.76	-2,282.99	-4,305.08	1,508.68	1,343.35	165.33	9.125		
13,700.00	7,085.75	7,063.76	7,063.48	194.37	30.17	-89.77	-2,282.99	-4,305.08	1,581.38	1,420.11	161.28	9.805		
13,800.00	7,086.09	7,063.87	7,063.60	197.18	30.17	-89.78	-2,282.99	-4,305.08	1,656.93	1,499.54	157.39	10.528		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,063.99	7,063.72	200.00	30.17	-89.78	-2,282.99	-4,305.08	1,734.96	1,581.27	153.69	11.289		
14,000.00	7,086.78	7,064.11	7,063.83	202.81	30.17	-89.79	-2,283.00	-4,305.08	1,815.14	1,664.94	150.19	12.085		
14,100.00	7,087.13	7,064.23	7,063.95	205.63	30.17	-89.80	-2,283.00	-4,305.08	1,897.20	1,750.30	146.90	12.915		
14,200.00	7,087.47	7,064.35	7,064.07	208.44	30.17	-89.80	-2,283.00	-4,305.08	1,980.91	1,837.10	143.81	13.774		
14,300.00	7,087.81	7,064.46	7,064.19	211.26	30.17	-89.81	-2,283.00	-4,305.08	2,066.08	1,925.16	140.92	14.661		
14,400.00	7,088.16	7,064.58	7,064.31	214.08	30.18	-89.82	-2,283.00	-4,305.08	2,152.52	2,014.30	138.21	15.574		
14,500.00	7,088.50	7,064.70	7,064.42	216.90	30.18	-89.82	-2,283.00	-4,305.08	2,240.08	2,104.41	135.68	16.510		
14,600.00	7,088.84	7,064.82	7,064.54	219.72	30.18	-89.83	-2,283.00	-4,305.08	2,328.65	2,195.35	133.31	17.469		
14,700.00	7,089.19	7,064.93	7,064.66	222.54	30.18	-89.83	-2,283.00	-4,305.08	2,418.11	2,287.03	131.09	18.447		
14,800.00	7,089.53	7,065.05	7,064.78	225.37	30.18	-89.84	-2,283.00	-4,305.08	2,508.37	2,379.36	129.01	19.443		
14,900.00	7,089.88	7,065.17	7,064.89	228.19	30.18	-89.85	-2,283.00	-4,305.08	2,599.34	2,472.27	127.07	20.456		
15,000.00	7,090.22	7,065.29	7,065.01	231.02	30.18	-89.85	-2,283.00	-4,305.08	2,690.95	2,565.71	125.25	21.485		
15,100.00	7,090.56	7,065.40	7,065.13	233.84	30.18	-89.86	-2,283.00	-4,305.08	2,783.14	2,659.60	123.54	22.529		
15,200.00	7,090.91	7,065.52	7,065.25	236.67	30.18	-89.87	-2,283.00	-4,305.08	2,875.85	2,753.92	121.94	23.585		
15,227.29	7,091.00	7,065.55	7,065.28	237.44	30.18	-89.87	-2,283.00	-4,305.08	2,901.24	2,779.72	121.52	23.876		
15,300.00	7,091.25	7,065.65	7,065.37	239.49	30.18	-89.88	-2,283.00	-4,305.08	2,968.70	2,848.31	120.39	24.659		
15,326.57	7,091.35	7,065.68	7,065.41	240.24	30.18	-89.89	-2,283.00	-4,305.08	2,993.24	2,873.27	119.98	24.949		
15,400.00	7,091.60	7,065.79	7,065.51	242.30	30.18	-89.89	-2,283.00	-4,305.08	3,061.12	2,942.27	118.85	25.757		
15,500.00	7,091.96	7,065.93	7,065.66	245.12	30.18	-89.90	-2,283.01	-4,305.08	3,153.95	3,036.56	117.39	26.868		
15,600.00	7,092.31	7,066.08	7,065.80	247.93	30.18	-89.91	-2,283.01	-4,305.08	3,247.21	3,131.20	116.01	27.990		
15,700.00	7,092.66	7,066.22	7,065.95	250.75	30.18	-89.92	-2,283.01	-4,305.08	3,340.86	3,226.15	114.71	29.123		
15,800.00	7,093.01	7,066.37	7,066.09	253.56	30.18	-89.92	-2,283.01	-4,305.08	3,434.87	3,321.38	113.49	30.266		
15,900.00	7,093.36	7,066.51	7,066.23	256.38	30.18	-89.93	-2,283.01	-4,305.08	3,529.21	3,416.88	112.33	31.418		
16,000.00	7,093.71	7,066.65	7,066.38	259.20	30.18	-89.94	-2,283.01	-4,305.08	3,623.85	3,512.61	111.24	32.578		
16,100.00	7,094.07	7,066.80	7,066.52	262.02	30.18	-89.94	-2,283.01	-4,305.08	3,718.77	3,608.57	110.20	33.746		
16,200.00	7,094.42	7,066.94	7,066.67	264.84	30.19	-89.95	-2,283.01	-4,305.08	3,813.95	3,704.73	109.22	34.920		
16,300.00	7,094.77	7,067.09	7,066.81	267.65	30.19	-89.96	-2,283.01	-4,305.08	3,909.37	3,801.08	108.29	36.101		
16,400.00	7,095.12	7,067.23	7,066.96	270.47	30.19	-89.97	-2,283.01	-4,305.08	4,005.02	3,897.61	107.41	37.287		
16,500.00	7,095.47	7,067.37	7,067.10	273.30	30.19	-89.97	-2,283.01	-4,305.08	4,100.87	3,994.30	106.57	38.479		
16,600.00	7,095.82	7,067.52	7,067.24	276.12	30.19	-89.98	-2,283.01	-4,305.08	4,196.92	4,091.14	105.78	39.676		
16,700.00	7,096.18	7,067.66	7,067.39	278.94	30.19	-89.99	-2,283.01	-4,305.08	4,293.15	4,188.12	105.03	40.877		
16,800.00	7,096.53	7,067.81	7,067.53	281.76	30.19	-89.99	-2,283.02	-4,305.08	4,389.54	4,285.23	104.31	42.081		
16,900.00	7,096.88	7,067.95	7,067.68	284.58	30.19	-90.00	-2,283.02	-4,305.07	4,486.10	4,382.47	103.63	43.290		
17,000.00	7,097.23	7,068.10	7,067.82	287.41	30.19	-90.01	-2,283.02	-4,305.07	4,582.80	4,479.82	102.98	44.501		
17,100.00	7,097.58	7,068.24	7,067.96	290.23	30.19	-90.02	-2,283.02	-4,305.07	4,679.64	4,577.27	102.37	45.715		
17,200.00	7,097.93	7,068.38	7,068.11	293.06	30.19	-90.02	-2,283.02	-4,305.07	4,776.61	4,674.83	101.78	46.932		
17,300.00	7,098.29	7,068.53	7,068.25	295.88	30.19	-90.03	-2,283.02	-4,305.07	4,873.70	4,772.48	101.22	48.150		
17,400.00	7,098.64	7,068.67	7,068.40	298.71	30.19	-90.04	-2,283.02	-4,305.07	4,970.91	4,870.22	100.69	49.371		
17,500.00	7,098.99	7,068.82	7,068.54	301.53	30.19	-90.05	-2,283.02	-4,305.07	5,068.22	4,968.05	100.18	50.593		
17,600.00	7,099.34	7,068.96	7,068.69	304.36	30.19	-90.05	-2,283.02	-4,305.07	5,165.64	5,065.95	99.69	51.816		
17,700.00	7,099.69	7,069.10	7,068.83	307.19	30.19	-90.06	-2,283.02	-4,305.07	5,263.16	5,163.93	99.23	53.040		
17,800.00	7,100.04	7,069.25	7,068.97	310.01	30.20	-90.07	-2,283.02	-4,305.07	5,360.77	5,261.98	98.79	54.265		
17,900.00	7,100.40	7,069.39	7,069.12	312.84	30.20	-90.07	-2,283.02	-4,305.07	5,458.46	5,360.09	98.37	55.491		
18,000.00	7,100.75	7,069.54	7,069.26	315.67	30.20	-90.08	-2,283.02	-4,305.07	5,556.24	5,458.27	97.97	56.716		
18,100.00	7,101.10	7,069.68	7,069.41	318.50	30.20	-90.09	-2,283.03	-4,305.07	5,654.09	5,556.51	97.58	57.942		
18,200.00	7,101.45	7,069.83	7,069.55	321.33	30.20	-90.10	-2,283.03	-4,305.07	5,752.02	5,654.80	97.21	59.168		
18,300.00	7,101.80	7,069.97	7,069.69	324.16	30.20	-90.10	-2,283.03	-4,305.07	5,850.02	5,753.15	96.86	60.394		
18,400.00	7,102.16	7,070.11	7,069.84	326.99	30.20	-90.11	-2,283.03	-4,305.07	5,948.08	5,851.55	96.53	61.619		
18,500.00	7,102.51	7,070.26	7,069.98	329.82	30.20	-90.12	-2,283.03	-4,305.07	6,046.21	5,950.00	96.21	62.844		
18,600.00	7,102.86	7,070.40	7,070.13	332.65	30.20	-90.12	-2,283.03	-4,305.07	6,144.40	6,048.49	95.90	64.068		
18,700.00	7,103.21	7,070.55	7,070.27	335.48	30.20	-90.13	-2,283.03	-4,305.07	6,242.64	6,147.03	95.61	65.292		
18,800.00	7,103.56	7,070.69	7,070.41	338.31	30.20	-90.14	-2,283.03	-4,305.07	6,340.94	6,245.61	95.33	66.514		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH												Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS												Offset Well Error:	3.28 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
18,900.00	7,103.91	7,070.83	7,070.56	341.14	30.20	-90.15	-2,283.03	-4,305.07	6,439.30	6,344.23	95.07	67.735	
18,924.52	7,104.00	7,070.87	7,070.59	341.83	30.20	-90.15	-2,283.03	-4,305.07	6,463.41	6,368.41	95.00	68.034	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,400.00	7,070.97	11,976.00	7,279.28	77.15	107.53	-151.66	-1,283.75	-11,169.15	9,998.72	9,857.56	141.15	70.836		
9,500.00	7,071.32	11,976.00	7,279.28	79.67	107.53	-151.66	-1,283.75	-11,169.15	9,998.74	9,757.56	141.18	70.114		
9,600.00	7,071.66	11,976.00	7,279.28	82.22	107.53	-151.66	-1,283.75	-11,169.15	9,998.76	9,657.55	141.21	69.391		
9,700.00	7,072.00	11,976.00	7,279.28	84.78	107.53	-151.66	-1,283.75	-11,169.15	9,998.78	9,557.54	141.24	68.667		
9,800.00	7,072.35	11,976.00	7,279.28	87.37	107.53	-151.66	-1,283.75	-11,169.15	9,998.80	9,457.53	141.28	67.944		
9,900.00	7,072.69	11,976.00	7,279.28	89.97	107.53	-151.66	-1,283.75	-11,169.15	9,998.83	9,357.52	141.31	67.220		
10,000.00	7,073.03	11,976.00	7,279.28	92.59	107.53	-151.66	-1,283.75	-11,169.15	9,998.85	9,257.51	141.35	66.496		
10,100.00	7,073.38	11,976.00	7,279.28	95.22	107.53	-151.66	-1,283.75	-11,169.15	9,998.87	9,157.49	141.38	65.771		
10,200.00	7,073.72	11,976.00	7,279.28	97.86	107.53	-151.66	-1,283.75	-11,169.15	9,998.90	9,057.48	141.42	65.046		
10,300.00	7,074.07	11,976.00	7,279.28	100.52	107.53	-151.66	-1,283.75	-11,169.15	9,998.92	8,957.46	141.46	64.322		
10,400.00	7,074.41	11,976.00	7,279.28	103.19	107.53	-151.66	-1,283.75	-11,169.15	8,998.95	8,857.45	141.50	63.597		
10,500.00	7,074.75	11,976.00	7,279.28	105.87	107.53	-151.66	-1,283.75	-11,169.15	8,998.98	8,757.43	141.54	62.871		
10,600.00	7,075.10	11,976.00	7,279.28	108.55	107.53	-151.66	-1,283.75	-11,169.15	8,799.00	8,657.42	141.59	62.146		
10,700.00	7,075.44	11,976.00	7,279.28	111.25	107.53	-151.66	-1,283.75	-11,169.15	8,699.03	8,557.40	141.63	61.420		
10,800.00	7,075.78	11,976.00	7,279.28	113.96	107.53	-151.66	-1,283.75	-11,169.15	8,599.06	8,457.38	141.68	60.695		
10,900.00	7,076.13	11,976.00	7,279.28	116.67	107.53	-151.66	-1,283.75	-11,169.15	8,499.09	8,357.36	141.73	59.969		
11,000.00	7,076.47	11,976.00	7,279.28	119.39	107.53	-151.66	-1,283.75	-11,169.15	8,399.12	8,257.34	141.77	59.243		
11,100.00	7,076.81	11,976.00	7,279.28	122.11	107.53	-151.66	-1,283.75	-11,169.15	8,299.15	8,157.32	141.83	58.517		
11,200.00	7,077.16	11,976.00	7,279.28	124.85	107.53	-151.66	-1,283.75	-11,169.15	8,199.18	8,057.30	141.88	57.791		
11,300.00	7,077.50	11,976.00	7,279.28	127.58	107.53	-151.66	-1,283.75	-11,169.15	8,099.21	7,957.28	141.93	57.064		
11,400.00	7,077.85	11,976.00	7,279.28	130.33	107.53	-151.66	-1,283.75	-11,169.15	7,999.24	7,857.25	141.99	56.338		
11,500.00	7,078.19	11,976.00	7,279.28	133.08	107.53	-151.66	-1,283.75	-11,169.15	7,899.27	7,757.23	142.04	55.612		
11,600.00	7,078.53	11,976.00	7,279.28	135.83	107.53	-151.66	-1,283.75	-11,169.15	7,799.31	7,657.21	142.10	54.886		
11,700.00	7,078.88	11,976.00	7,279.28	138.59	107.53	-151.66	-1,283.75	-11,169.15	7,699.34	7,557.18	142.16	54.159		
11,800.00	7,079.22	11,976.00	7,279.28	141.35	107.53	-151.66	-1,283.75	-11,169.15	7,599.38	7,457.16	142.22	53.433		
11,900.00	7,079.56	11,976.00	7,279.28	144.11	107.53	-151.66	-1,283.75	-11,169.15	7,499.41	7,357.13	142.28	52.707		
12,000.00	7,079.91	11,976.00	7,279.28	146.88	107.53	-151.66	-1,283.75	-11,169.15	7,399.45	7,257.10	142.35	51.981		
12,100.00	7,080.25	11,976.00	7,279.28	149.66	107.53	-151.66	-1,283.75	-11,169.15	7,299.49	7,157.08	142.42	51.255		
12,200.00	7,080.60	11,976.00	7,279.28	152.43	107.53	-151.66	-1,283.75	-11,169.15	7,199.53	7,057.05	142.48	50.529		
12,300.00	7,080.94	11,976.00	7,279.28	155.21	107.53	-151.66	-1,283.75	-11,169.15	7,099.57	6,957.02	142.55	49.803		
12,400.00	7,081.28	11,976.00	7,279.28	157.99	107.53	-151.66	-1,283.75	-11,169.15	6,999.61	6,856.99	142.62	49.077		
12,500.00	7,081.63	11,976.00	7,279.28	160.78	107.53	-151.66	-1,283.75	-11,169.15	6,899.66	6,756.96	142.70	48.352		
12,600.00	7,081.97	11,976.00	7,279.28	163.57	107.53	-151.66	-1,283.75	-11,169.15	6,799.70	6,656.93	142.77	47.626		
12,700.00	7,082.31	11,976.00	7,279.28	166.36	107.53	-151.66	-1,283.75	-11,169.15	6,699.75	6,556.90	142.85	46.901		
12,800.00	7,082.66	11,976.00	7,279.28	169.15	107.53	-151.66	-1,283.75	-11,169.15	6,599.79	6,456.87	142.93	46.176		
12,900.00	7,083.00	11,976.00	7,279.28	171.94	107.53	-151.66	-1,283.75	-11,169.15	6,499.84	6,356.83	143.01	45.451		
13,000.00	7,083.35	11,976.00	7,279.28	174.74	107.53	-151.66	-1,283.75	-11,169.15	6,399.89	6,256.80	143.09	44.726		
13,100.00	7,083.69	11,976.00	7,279.28	177.54	107.53	-151.66	-1,283.75	-11,169.15	6,299.95	6,156.77	143.18	44.001		
13,200.00	7,084.03	11,976.00	7,279.28	180.34	107.53	-151.66	-1,283.75	-11,169.15	6,200.00	6,056.73	143.26	43.277		
13,300.00	7,084.38	11,976.00	7,279.28	183.14	107.53	-151.66	-1,283.75	-11,169.15	6,100.05	5,956.70	143.35	42.553		
13,400.00	7,084.72	11,976.00	7,279.28	185.95	107.53	-151.66	-1,283.75	-11,169.15	6,000.11	5,856.67	143.44	41.829		
13,500.00	7,085.06	11,976.00	7,279.28	188.76	107.53	-151.66	-1,283.75	-11,169.15	5,900.17	5,756.63	143.54	41.105		
13,600.00	7,085.41	11,976.00	7,279.28	191.56	107.53	-151.66	-1,283.75	-11,169.15	5,800.23	5,656.60	143.63	40.382		
13,700.00	7,085.75	11,976.00	7,279.28	194.37	107.53	-151.66	-1,283.75	-11,169.15	5,700.29	5,556.56	143.73	39.659		
13,800.00	7,086.09	11,976.00	7,279.28	197.18	107.53	-151.66	-1,283.75	-11,169.15	5,600.36	5,456.53	143.83	38.936		
13,900.00	7,086.44	11,976.00	7,279.28	200.00	107.53	-151.66	-1,283.75	-11,169.15	5,500.43	5,356.49	143.94	38.214		
14,000.00	7,086.78	11,976.00	7,279.28	202.81	107.53	-151.66	-1,283.75	-11,169.15	5,400.50	5,256.45	144.05	37.492		
14,100.00	7,087.13	11,976.00	7,279.28	205.63	107.53	-151.66	-1,283.75	-11,169.15	5,300.57	5,156.42	144.16	36.770		
14,200.00	7,087.47	11,976.00	7,279.28	208.44	107.53	-151.66	-1,283.75	-11,169.15	5,200.65	5,056.38	144.27	36.048		
14,300.00	7,087.81	11,976.00	7,279.28	211.26	107.53	-151.66	-1,283.75	-11,169.15	5,100.73	4,956.34	144.38	35.327		
14,400.00	7,088.16	11,976.00	7,279.28	214.08	107.53	-151.66	-1,283.75	-11,169.15	5,000.81	4,856.30	144.50	34.607		
14,500.00	7,088.50	11,976.00	7,279.28	216.90	107.53	-151.66	-1,283.75	-11,169.15	4,900.89	4,756.27	144.63	33.886		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 740-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,600.00	7,088.84	11,976.00	7,279.28	219.72	107.53	-151.66	-1,283.75	-11,169.15	4,800.98	4,656.23	144.75	33.166		
14,700.00	7,089.19	11,976.00	7,279.28	222.54	107.53	-151.66	-1,283.75	-11,169.15	4,701.08	4,556.19	144.89	32.447		
14,800.00	7,089.53	11,976.00	7,279.28	225.37	107.53	-151.66	-1,283.75	-11,169.15	4,601.17	4,456.15	145.02	31.728		
14,900.00	7,089.88	11,976.00	7,279.28	228.19	107.53	-151.66	-1,283.75	-11,169.15	4,501.27	4,356.11	145.16	31.009		
15,000.00	7,090.22	11,976.00	7,279.28	231.02	107.53	-151.66	-1,283.75	-11,169.15	4,401.38	4,256.07	145.30	30.291		
15,100.00	7,090.56	11,976.00	7,279.28	233.84	107.53	-151.66	-1,283.75	-11,169.15	4,301.49	4,156.03	145.45	29.573		
15,200.00	7,090.91	11,976.00	7,279.28	236.67	107.53	-151.66	-1,283.75	-11,169.15	4,201.60	4,056.00	145.61	28.855		
15,227.29	7,091.00	11,976.00	7,279.28	237.44	107.53	-151.66	-1,283.75	-11,169.15	4,174.35	4,028.69	145.65	28.660		
15,300.00	7,091.25	11,976.00	7,279.28	239.49	107.53	177.50	-1,283.75	-11,169.15	4,101.71	3,955.96	145.75	28.142		
15,326.57	7,091.35	11,976.00	7,279.28	240.24	107.53	165.72	-1,283.75	-11,169.15	4,075.17	3,929.39	145.78	27.955		
15,400.00	7,091.60	11,976.00	7,279.28	242.30	107.53	165.72	-1,283.75	-11,169.15	4,001.82	3,855.97	145.84	27.439		
15,500.00	7,091.96	11,976.00	7,279.28	245.12	107.53	165.72	-1,283.75	-11,169.15	3,901.93	3,755.99	145.94	26.737		
15,600.00	7,092.31	11,976.00	7,279.28	247.93	107.53	165.72	-1,283.75	-11,169.15	3,802.04	3,656.01	146.03	26.036		
15,700.00	7,092.66	11,976.00	7,279.28	250.75	107.53	165.72	-1,283.75	-11,169.15	3,702.16	3,556.03	146.13	25.335		
15,800.00	7,093.01	11,976.00	7,279.28	253.56	107.53	165.72	-1,283.75	-11,169.15	3,602.29	3,456.06	146.23	24.634		
15,900.00	7,093.36	11,976.00	7,279.28	256.38	107.53	165.72	-1,283.75	-11,169.15	3,502.43	3,356.09	146.34	23.934		
16,000.00	7,093.71	11,976.00	7,279.28	259.20	107.53	165.72	-1,283.75	-11,169.15	3,402.57	3,256.13	146.44	23.235		
16,100.00	7,094.07	11,976.00	7,279.28	262.02	107.53	165.72	-1,283.75	-11,169.15	3,302.73	3,156.17	146.56	22.536		
16,200.00	7,094.42	11,976.00	7,279.28	264.84	107.53	165.72	-1,283.75	-11,169.15	3,202.89	3,056.22	146.67	21.837		
16,300.00	7,094.77	11,976.00	7,279.28	267.65	107.53	165.72	-1,283.75	-11,169.15	3,103.06	2,956.27	146.79	21.139		
16,400.00	7,095.12	11,976.00	7,279.28	270.47	107.53	165.72	-1,283.75	-11,169.15	3,003.25	2,856.33	146.92	20.442		
16,500.00	7,095.47	11,976.00	7,279.28	273.30	107.53	165.72	-1,283.75	-11,169.15	2,903.44	2,756.39	147.05	19.745		
16,600.00	7,095.82	11,976.00	7,279.28	276.12	107.53	165.72	-1,283.75	-11,169.15	2,803.65	2,656.47	147.19	19.048		
16,700.00	7,096.18	11,976.00	7,279.28	278.94	107.53	165.72	-1,283.75	-11,169.15	2,703.88	2,556.55	147.33	18.352		
16,800.00	7,096.53	11,976.00	7,279.28	281.76	107.53	165.72	-1,283.75	-11,169.15	2,604.13	2,456.64	147.48	17.657		
16,900.00	7,096.88	11,976.00	7,279.28	284.58	107.53	165.72	-1,283.75	-11,169.15	2,504.39	2,356.74	147.65	16.962		
17,000.00	7,097.23	11,976.00	7,279.28	287.41	107.53	165.72	-1,283.75	-11,169.15	2,404.67	2,256.86	147.82	16.268		
17,100.00	7,097.58	11,976.00	7,279.28	290.23	107.53	165.72	-1,283.75	-11,169.15	2,304.98	2,156.98	148.00	15.574		
17,200.00	7,097.93	11,976.00	7,279.28	293.06	107.53	165.72	-1,283.75	-11,169.15	2,205.32	2,057.12	148.20	14.881		
17,300.00	7,098.29	11,976.00	7,279.28	295.88	107.53	165.72	-1,283.75	-11,169.15	2,105.69	1,957.28	148.42	14.188		
17,400.00	7,098.64	11,976.00	7,279.28	298.71	107.53	165.72	-1,283.75	-11,169.15	2,006.10	1,857.45	148.65	13.495		
17,500.00	7,098.99	11,976.00	7,279.28	301.53	107.53	165.72	-1,283.75	-11,169.15	1,906.55	1,757.64	148.91	12.803		
17,600.00	7,099.34	11,976.00	7,279.28	304.36	107.53	165.72	-1,283.75	-11,169.15	1,807.05	1,657.85	149.20	12.112		
17,700.00	7,099.69	11,976.00	7,279.28	307.19	107.53	165.72	-1,283.75	-11,169.15	1,707.61	1,558.09	149.52	11.421		
17,800.00	7,100.04	11,976.00	7,279.28	310.01	107.53	165.72	-1,283.75	-11,169.15	1,608.24	1,458.35	149.89	10.730		
17,900.00	7,100.40	11,976.00	7,279.28	312.84	107.53	165.72	-1,283.75	-11,169.15	1,508.95	1,358.64	150.30	10.039		
18,000.00	7,100.75	11,976.00	7,279.28	315.67	107.53	165.72	-1,283.75	-11,169.15	1,409.76	1,258.97	150.79	9.349		
18,100.00	7,101.10	11,976.00	7,279.28	318.50	107.53	165.72	-1,283.75	-11,169.15	1,310.69	1,159.33	151.36	8.659		
18,200.00	7,101.45	11,976.00	7,279.28	321.33	107.53	165.72	-1,283.75	-11,169.15	1,211.78	1,059.73	152.05	7.970		
18,300.00	7,101.80	11,976.00	7,279.28	324.16	107.53	165.72	-1,283.75	-11,169.15	1,113.06	960.18	152.88	7.281		
18,400.00	7,102.16	11,976.00	7,279.28	326.99	107.53	165.72	-1,283.75	-11,169.15	1,014.59	860.69	153.91	6.592		
18,500.00	7,102.51	11,976.00	7,279.28	329.82	107.53	165.72	-1,283.75	-11,169.15	916.46	761.25	155.21	5.905		
18,600.00	7,102.86	11,976.00	7,279.28	332.65	107.53	165.72	-1,283.75	-11,169.15	818.77	661.89	156.89	5.219		
18,700.00	7,103.21	11,976.00	7,279.28	335.48	107.53	165.72	-1,283.75	-11,169.15	721.73	562.61	159.11	4.536		
18,800.00	7,103.56	11,976.00	7,279.28	338.31	107.53	165.72	-1,283.75	-11,169.15	625.61	463.48	162.13	3.859		
18,900.00	7,103.91	11,976.00	7,279.28	341.14	107.53	165.72	-1,283.75	-11,169.15	530.92	364.61	166.32	3.192		
18,924.52	7,104.00	11,976.00	7,279.28	341.83	107.53	165.72	-1,283.75	-11,169.15	508.02	340.44	167.58	3.031	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,100.00	7,069.94	11,988.00	7,170.83	69.74	108.39	-139.83	-1,249.53	-10,863.99	9,991.74	9,851.46	140.27	71.231		
9,200.00	7,070.28	11,988.00	7,170.83	72.18	108.39	-139.83	-1,249.53	-10,863.99	9,891.74	9,751.45	140.29	70.508		
9,300.00	7,070.63	11,988.00	7,170.83	74.65	108.39	-139.83	-1,249.53	-10,863.99	9,791.74	9,651.43	140.31	69.785		
9,400.00	7,070.97	11,988.00	7,170.83	77.15	108.39	-139.83	-1,249.53	-10,863.99	9,691.75	9,551.41	140.34	69.061		
9,500.00	7,071.32	11,988.00	7,170.83	79.67	108.39	-139.83	-1,249.53	-10,863.99	9,591.75	9,451.39	140.36	68.337		
9,600.00	7,071.66	11,988.00	7,170.83	82.22	108.39	-139.83	-1,249.53	-10,863.99	9,491.76	9,351.37	140.38	67.612		
9,700.00	7,072.00	11,988.00	7,170.83	84.78	108.39	-139.83	-1,249.53	-10,863.99	9,391.76	9,251.35	140.41	66.888		
9,800.00	7,072.35	11,988.00	7,170.83	87.37	108.39	-139.83	-1,249.53	-10,863.99	9,291.77	9,151.33	140.44	66.163		
9,900.00	7,072.69	11,988.00	7,170.83	89.97	108.39	-139.83	-1,249.53	-10,863.99	9,191.77	9,051.31	140.47	65.438		
10,000.00	7,073.03	11,988.00	7,170.83	92.59	108.39	-139.83	-1,249.53	-10,863.99	9,091.78	8,951.28	140.50	64.712		
10,100.00	7,073.38	11,988.00	7,170.83	95.22	108.39	-139.83	-1,249.53	-10,863.99	8,991.79	8,851.26	140.53	63.987		
10,200.00	7,073.72	11,988.00	7,170.83	97.86	108.39	-139.83	-1,249.53	-10,863.99	8,891.79	8,751.23	140.56	63.261		
10,300.00	7,074.07	11,988.00	7,170.83	100.52	108.39	-139.83	-1,249.53	-10,863.99	8,791.80	8,651.21	140.59	62.535		
10,400.00	7,074.41	11,988.00	7,170.83	103.19	108.39	-139.83	-1,249.53	-10,863.99	8,691.80	8,551.18	140.63	61.808		
10,500.00	7,074.75	11,988.00	7,170.83	105.87	108.39	-139.83	-1,249.53	-10,863.99	8,591.81	8,451.15	140.66	61.082		
10,600.00	7,075.10	11,988.00	7,170.83	108.55	108.39	-139.83	-1,249.53	-10,863.99	8,491.82	8,351.12	140.70	60.355		
10,700.00	7,075.44	11,988.00	7,170.83	111.25	108.39	-139.83	-1,249.53	-10,863.99	8,391.82	8,251.09	140.74	59.628		
10,800.00	7,075.78	11,988.00	7,170.83	113.96	108.39	-139.83	-1,249.53	-10,863.99	8,291.83	8,151.05	140.77	58.902		
10,900.00	7,076.13	11,988.00	7,170.83	116.67	108.39	-139.83	-1,249.53	-10,863.99	8,191.83	8,051.02	140.81	58.175		
11,000.00	7,076.47	11,988.00	7,170.83	119.39	108.39	-139.83	-1,249.53	-10,863.99	8,091.84	7,950.98	140.86	57.447		
11,100.00	7,076.81	11,988.00	7,170.83	122.11	108.39	-139.83	-1,249.53	-10,863.99	7,991.85	7,850.95	140.90	56.720		
11,200.00	7,077.16	11,988.00	7,170.83	124.85	108.39	-139.83	-1,249.53	-10,863.99	7,891.86	7,750.91	140.94	55.993		
11,300.00	7,077.50	11,988.00	7,170.83	127.58	108.39	-139.83	-1,249.53	-10,863.99	7,791.86	7,650.87	140.99	55.266		
11,400.00	7,077.85	11,988.00	7,170.83	130.33	108.39	-139.83	-1,249.53	-10,863.99	7,691.87	7,550.84	141.04	54.539		
11,500.00	7,078.19	11,988.00	7,170.83	133.08	108.39	-139.83	-1,249.53	-10,863.99	7,591.88	7,450.80	141.08	53.811		
11,600.00	7,078.53	11,988.00	7,170.83	135.83	108.39	-139.83	-1,249.53	-10,863.99	7,491.89	7,350.75	141.13	53.084		
11,700.00	7,078.88	11,988.00	7,170.83	138.59	108.39	-139.83	-1,249.53	-10,863.99	7,391.89	7,250.71	141.18	52.357		
11,800.00	7,079.22	11,988.00	7,170.83	141.35	108.39	-139.83	-1,249.53	-10,863.99	7,291.90	7,150.67	141.23	51.630		
11,900.00	7,079.56	11,988.00	7,170.83	144.11	108.39	-139.83	-1,249.53	-10,863.99	7,191.91	7,050.62	141.29	50.903		
12,000.00	7,079.91	11,988.00	7,170.83	146.88	108.39	-139.83	-1,249.53	-10,863.99	7,091.92	6,950.58	141.34	50.176		
12,100.00	7,080.25	11,988.00	7,170.83	149.66	108.39	-139.83	-1,249.53	-10,863.99	6,991.93	6,850.53	141.40	49.449		
12,200.00	7,080.60	11,988.00	7,170.83	152.43	108.39	-139.83	-1,249.53	-10,863.99	6,891.94	6,750.48	141.45	48.722		
12,300.00	7,080.94	11,988.00	7,170.83	155.21	108.39	-139.83	-1,249.53	-10,863.99	6,791.95	6,650.43	141.51	47.995		
12,400.00	7,081.28	11,988.00	7,170.83	157.99	108.39	-139.83	-1,249.53	-10,863.99	6,691.96	6,550.38	141.57	47.269		
12,500.00	7,081.63	11,988.00	7,170.83	160.78	108.39	-139.83	-1,249.53	-10,863.99	6,591.97	6,450.33	141.63	46.542		
12,600.00	7,081.97	11,988.00	7,170.83	163.57	108.39	-139.83	-1,249.53	-10,863.99	6,491.98	6,350.28	141.70	45.816		
12,700.00	7,082.31	11,988.00	7,170.83	166.36	108.39	-139.83	-1,249.53	-10,863.99	6,391.99	6,250.23	141.76	45.090		
12,800.00	7,082.66	11,988.00	7,170.83	169.15	108.39	-139.83	-1,249.53	-10,863.99	6,292.00	6,150.17	141.83	44.364		
12,900.00	7,083.00	11,988.00	7,170.83	171.94	108.39	-139.83	-1,249.53	-10,863.99	6,192.01	6,050.12	141.89	43.638		
13,000.00	7,083.35	11,988.00	7,170.83	174.74	108.39	-139.83	-1,249.53	-10,863.99	6,092.02	5,950.06	141.96	42.913		
13,100.00	7,083.69	11,988.00	7,170.83	177.54	108.39	-139.83	-1,249.53	-10,863.99	5,992.04	5,850.00	142.03	42.188		
13,200.00	7,084.03	11,988.00	7,170.83	180.34	108.39	-139.83	-1,249.53	-10,863.99	5,892.05	5,749.94	142.11	41.463		
13,300.00	7,084.38	11,988.00	7,170.83	183.14	108.39	-139.83	-1,249.53	-10,863.99	5,792.06	5,649.88	142.18	40.738		
13,400.00	7,084.72	11,988.00	7,170.83	185.95	108.39	-139.83	-1,249.53	-10,863.99	5,692.08	5,549.82	142.25	40.014		
13,500.00	7,085.06	11,988.00	7,170.83	188.76	108.39	-139.83	-1,249.53	-10,863.99	5,592.09	5,449.76	142.33	39.289		
13,600.00	7,085.41	11,988.00	7,170.83	191.56	108.39	-139.83	-1,249.53	-10,863.99	5,492.10	5,349.70	142.41	38.566		
13,700.00	7,085.75	11,988.00	7,170.83	194.37	108.39	-139.83	-1,249.53	-10,863.99	5,392.12	5,249.63	142.49	37.842		
13,800.00	7,086.09	11,988.00	7,170.83	197.18	108.39	-139.83	-1,249.53	-10,863.99	5,292.14	5,149.56	142.57	37.119		
13,900.00	7,086.44	11,988.00	7,170.83	200.00	108.39	-139.83	-1,249.53	-10,863.99	5,192.15	5,049.50	142.66	36.396		
14,000.00	7,086.78	11,988.00	7,170.83	202.81	108.39	-139.83	-1,249.53	-10,863.99	5,092.17	4,949.43	142.74	35.674		
14,100.00	7,087.13	11,988.00	7,170.83	205.63	108.39	-139.83	-1,249.53	-10,863.99	4,992.19	4,849.36	142.83	34.952		
14,200.00	7,087.47	11,988.00	7,170.83	208.44	108.39	-139.83	-1,249.53	-10,863.99	4,892.21	4,749.28	142.92	34.230		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 725-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,300.00	7,087.81	11,988.00	7,170.83	211.26	108.39	-139.83	-1,249.53	-10,863.99	4,792.22	4,649.21	143.01	33.509		
14,400.00	7,088.16	11,988.00	7,170.83	214.08	108.39	-139.83	-1,249.53	-10,863.99	4,692.24	4,549.14	143.11	32.788		
14,500.00	7,088.50	11,988.00	7,170.83	216.90	108.39	-139.83	-1,249.53	-10,863.99	4,592.27	4,449.06	143.21	32.067		
14,600.00	7,088.84	11,988.00	7,170.83	219.72	108.39	-139.83	-1,249.53	-10,863.99	4,492.29	4,348.98	143.31	31.347		
14,700.00	7,089.19	11,988.00	7,170.83	222.54	108.39	-139.83	-1,249.53	-10,863.99	4,392.31	4,248.90	143.41	30.628		
14,800.00	7,089.53	11,988.00	7,170.83	225.37	108.39	-139.83	-1,249.53	-10,863.99	4,292.33	4,148.82	143.51	29.909		
14,900.00	7,089.88	11,988.00	7,170.83	228.19	108.39	-139.83	-1,249.53	-10,863.99	4,192.36	4,048.74	143.62	29.190		
15,000.00	7,090.22	11,988.00	7,170.83	231.02	108.39	-139.83	-1,249.53	-10,863.99	4,092.39	3,948.65	143.73	28.472		
15,100.00	7,090.56	11,988.00	7,170.83	233.84	108.39	-139.83	-1,249.53	-10,863.99	3,992.41	3,848.56	143.85	27.754		
15,200.00	7,090.91	11,988.00	7,170.83	236.67	108.39	-139.83	-1,249.53	-10,863.99	3,892.44	3,748.48	143.97	27.037		
15,227.29	7,091.00	11,988.00	7,170.83	237.44	108.39	-139.83	-1,249.53	-10,863.99	3,865.16	3,721.16	144.00	26.841		
15,300.00	7,091.25	11,988.00	7,170.83	239.49	108.39	153.60	-1,249.53	-10,863.99	3,792.47	3,648.40	144.07	26.324		
15,326.57	7,091.35	11,988.00	7,170.83	240.24	108.39	135.52	-1,249.53	-10,863.99	3,765.90	3,621.82	144.09	26.136		
15,400.00	7,091.60	11,988.00	7,170.83	242.30	108.39	135.52	-1,249.53	-10,863.99	3,692.50	3,548.38	144.13	25.620		
15,500.00	7,091.96	11,988.00	7,170.83	245.12	108.39	135.52	-1,249.53	-10,863.99	3,592.54	3,448.36	144.18	24.917		
15,600.00	7,092.31	11,988.00	7,170.83	247.93	108.39	135.52	-1,249.53	-10,863.99	3,492.58	3,348.35	144.23	24.215		
15,700.00	7,092.66	11,988.00	7,170.83	250.75	108.39	135.52	-1,249.53	-10,863.99	3,392.62	3,248.34	144.29	23.513		
15,800.00	7,093.01	11,988.00	7,170.83	253.56	108.39	135.52	-1,249.53	-10,863.99	3,292.67	3,148.33	144.34	22.811		
15,900.00	7,093.36	11,988.00	7,170.83	256.38	108.39	135.52	-1,249.53	-10,863.99	3,192.72	3,048.32	144.40	22.110		
16,000.00	7,093.71	11,988.00	7,170.83	259.20	108.39	135.52	-1,249.53	-10,863.99	3,092.77	2,948.31	144.46	21.410		
16,100.00	7,094.07	11,988.00	7,170.83	262.02	108.39	135.52	-1,249.53	-10,863.99	2,992.83	2,848.31	144.52	20.709		
16,200.00	7,094.42	11,988.00	7,170.83	264.84	108.39	135.52	-1,249.53	-10,863.99	2,892.88	2,748.31	144.58	20.009		
16,300.00	7,094.77	11,988.00	7,170.83	267.65	108.39	135.52	-1,249.53	-10,863.99	2,792.95	2,648.31	144.64	19.309		
16,400.00	7,095.12	11,988.00	7,170.83	270.47	108.39	135.52	-1,249.53	-10,863.99	2,693.02	2,548.31	144.71	18.610		
16,500.00	7,095.47	11,988.00	7,170.83	273.30	108.39	135.52	-1,249.53	-10,863.99	2,593.09	2,448.31	144.78	17.911		
16,600.00	7,095.82	11,988.00	7,170.83	276.12	108.39	135.52	-1,249.53	-10,863.99	2,493.17	2,348.32	144.85	17.212		
16,700.00	7,096.18	11,988.00	7,170.83	278.94	108.39	135.52	-1,249.53	-10,863.99	2,393.25	2,248.33	144.92	16.514		
16,800.00	7,096.53	11,988.00	7,170.83	281.76	108.39	135.52	-1,249.53	-10,863.99	2,293.35	2,148.34	145.01	15.816		
16,900.00	7,096.88	11,988.00	7,170.83	284.58	108.39	135.52	-1,249.53	-10,863.99	2,193.45	2,048.36	145.09	15.117		
17,000.00	7,097.23	11,988.00	7,170.83	287.41	108.39	135.52	-1,249.53	-10,863.99	2,093.56	1,948.37	145.19	14.419		
17,100.00	7,097.58	11,988.00	7,170.83	290.23	108.39	135.52	-1,249.53	-10,863.99	1,993.68	1,848.39	145.30	13.721		
17,200.00	7,097.93	11,988.00	7,170.83	293.06	108.39	135.52	-1,249.53	-10,863.99	1,893.82	1,748.40	145.42	13.023		
17,300.00	7,098.29	11,988.00	7,170.83	295.88	108.39	135.52	-1,249.53	-10,863.99	1,793.97	1,648.42	145.56	12.325		
17,400.00	7,098.64	11,988.00	7,170.83	298.71	108.39	135.52	-1,249.53	-10,863.99	1,694.14	1,548.43	145.72	11.626		
17,500.00	7,098.99	11,988.00	7,170.83	301.53	108.39	135.52	-1,249.53	-10,863.99	1,594.33	1,448.43	145.90	10.927		
17,600.00	7,099.34	11,988.00	7,170.83	304.36	108.39	135.52	-1,249.53	-10,863.99	1,494.55	1,348.41	146.13	10.227		
17,700.00	7,099.69	11,988.00	7,170.83	307.19	108.39	135.52	-1,249.53	-10,863.99	1,394.79	1,248.38	146.41	9.527		
17,800.00	7,100.04	11,988.00	7,170.83	310.01	108.39	135.52	-1,249.53	-10,863.99	1,295.08	1,148.32	146.76	8.825		
17,900.00	7,100.40	11,988.00	7,170.83	312.84	108.39	135.52	-1,249.53	-10,863.99	1,195.41	1,048.21	147.20	8.121		
18,000.00	7,100.75	11,988.00	7,170.83	315.67	108.39	135.52	-1,249.53	-10,863.99	1,095.80	948.02	147.78	7.415		
18,100.00	7,101.10	11,988.00	7,170.83	318.50	108.39	135.52	-1,249.53	-10,863.99	996.27	847.71	148.56	6.706		
18,200.00	7,101.45	11,988.00	7,170.83	321.33	108.39	135.52	-1,249.53	-10,863.99	896.85	747.23	149.61	5.994		
18,300.00	7,101.80	11,988.00	7,170.83	324.16	108.39	135.52	-1,249.53	-10,863.99	797.57	646.47	151.10	5.278		
18,400.00	7,102.16	11,988.00	7,170.83	326.99	108.39	135.52	-1,249.53	-10,863.99	698.49	545.24	153.25	4.558		
18,500.00	7,102.51	11,988.00	7,170.83	329.82	108.39	135.52	-1,249.53	-10,863.99	599.72	443.26	156.46	3.833		
18,600.00	7,102.86	11,988.00	7,170.83	332.65	108.39	135.52	-1,249.53	-10,863.99	501.44	339.97	161.47	3.106		
18,700.00	7,103.21	11,988.00	7,170.83	335.48	108.39	135.52	-1,249.53	-10,863.99	404.01	234.36	169.65	2.381		
18,800.00	7,103.56	11,988.00	7,170.83	338.31	108.39	135.52	-1,249.53	-10,863.99	308.22	124.35	183.87	1.676		
18,900.00	7,103.91	11,988.00	7,170.83	341.14	108.39	135.52	-1,249.53	-10,863.99	216.28	5.81	210.46	1.028 Level 2		
18,924.52	7,104.00	11,988.00	7,170.83	341.83	108.39	135.52	-1,249.53	-10,863.99	194.95	-25.22	220.17	0.885 Level 1, CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,400.00	7,070.97	11,790.00	7,095.39	77.15	106.81	-86.76	-1,254.13	-11,131.68	9,958.91	9,818.98	139.93	71.169		
9,500.00	7,071.32	11,790.00	7,095.39	79.67	106.81	-86.76	-1,254.13	-11,131.68	9,858.91	9,718.96	139.95	70.444		
9,600.00	7,071.66	11,790.00	7,095.39	82.22	106.81	-86.76	-1,254.13	-11,131.68	9,758.91	9,618.94	139.97	69.719		
9,700.00	7,072.00	11,790.00	7,095.39	84.78	106.81	-86.76	-1,254.13	-11,131.68	9,658.92	9,518.92	140.00	68.994		
9,800.00	7,072.35	11,790.00	7,095.39	87.37	106.81	-86.76	-1,254.13	-11,131.68	9,558.92	9,418.90	140.02	68.268		
9,900.00	7,072.69	11,790.00	7,095.39	89.97	106.81	-86.76	-1,254.13	-11,131.68	9,458.92	9,318.88	140.05	67.542		
10,000.00	7,073.03	11,790.00	7,095.39	92.59	106.81	-86.76	-1,254.13	-11,131.68	9,358.92	9,218.85	140.07	66.816		
10,100.00	7,073.38	11,790.00	7,095.39	95.22	106.81	-86.76	-1,254.13	-11,131.68	9,258.93	9,118.83	140.10	66.089		
10,200.00	7,073.72	11,790.00	7,095.39	97.86	106.81	-86.76	-1,254.13	-11,131.68	9,158.93	9,018.80	140.13	65.362		
10,300.00	7,074.07	11,790.00	7,095.39	100.52	106.81	-86.76	-1,254.13	-11,131.68	9,058.93	8,918.78	140.15	64.635		
10,400.00	7,074.41	11,790.00	7,095.39	103.19	106.81	-86.76	-1,254.13	-11,131.68	8,958.93	8,818.75	140.18	63.908		
10,500.00	7,074.75	11,790.00	7,095.39	105.87	106.81	-86.76	-1,254.13	-11,131.68	8,858.94	8,718.72	140.22	63.181		
10,600.00	7,075.10	11,790.00	7,095.39	108.55	106.81	-86.76	-1,254.13	-11,131.68	8,758.94	8,618.69	140.25	62.453		
10,700.00	7,075.44	11,790.00	7,095.39	111.25	106.81	-86.76	-1,254.13	-11,131.68	8,658.94	8,518.66	140.28	61.725		
10,800.00	7,075.78	11,790.00	7,095.39	113.96	106.81	-86.76	-1,254.13	-11,131.68	8,558.95	8,418.63	140.32	60.997		
10,900.00	7,076.13	11,790.00	7,095.39	116.67	106.81	-86.76	-1,254.13	-11,131.68	8,458.95	8,318.60	140.35	60.269		
11,000.00	7,076.47	11,790.00	7,095.39	119.39	106.81	-86.76	-1,254.13	-11,131.68	8,358.95	8,218.56	140.39	59.541		
11,100.00	7,076.81	11,790.00	7,095.39	122.11	106.81	-86.76	-1,254.13	-11,131.68	8,258.96	8,118.53	140.43	58.813		
11,200.00	7,077.16	11,790.00	7,095.39	124.85	106.81	-86.76	-1,254.13	-11,131.68	8,158.96	8,018.49	140.47	58.085		
11,300.00	7,077.50	11,790.00	7,095.39	127.58	106.81	-86.76	-1,254.13	-11,131.68	8,058.96	7,918.46	140.51	57.357		
11,400.00	7,077.85	11,790.00	7,095.39	130.33	106.81	-86.76	-1,254.13	-11,131.68	7,958.97	7,818.42	140.55	56.628		
11,500.00	7,078.19	11,790.00	7,095.39	133.08	106.81	-86.76	-1,254.13	-11,131.68	7,858.97	7,718.38	140.59	55.900		
11,600.00	7,078.53	11,790.00	7,095.39	135.83	106.81	-86.76	-1,254.13	-11,131.68	7,758.97	7,618.34	140.63	55.171		
11,700.00	7,078.88	11,790.00	7,095.39	138.59	106.81	-86.76	-1,254.13	-11,131.68	7,658.98	7,518.30	140.68	54.443		
11,800.00	7,079.22	11,790.00	7,095.39	141.35	106.81	-86.76	-1,254.13	-11,131.68	7,558.98	7,418.26	140.72	53.715		
11,900.00	7,079.56	11,790.00	7,095.39	144.11	106.81	-86.76	-1,254.13	-11,131.68	7,458.99	7,318.21	140.77	52.986		
12,000.00	7,079.91	11,790.00	7,095.39	146.88	106.81	-86.76	-1,254.13	-11,131.68	7,358.99	7,218.17	140.82	52.258		
12,100.00	7,080.25	11,790.00	7,095.39	149.66	106.81	-86.76	-1,254.13	-11,131.68	7,258.99	7,118.12	140.87	51.530		
12,200.00	7,080.60	11,790.00	7,095.39	152.43	106.81	-86.76	-1,254.13	-11,131.68	7,159.00	7,018.08	140.92	50.802		
12,300.00	7,080.94	11,790.00	7,095.39	155.21	106.81	-86.76	-1,254.13	-11,131.68	7,059.00	6,918.03	140.97	50.074		
12,400.00	7,081.28	11,790.00	7,095.39	157.99	106.81	-86.76	-1,254.13	-11,131.68	6,959.01	6,817.98	141.03	49.346		
12,500.00	7,081.63	11,790.00	7,095.39	160.78	106.81	-86.76	-1,254.13	-11,131.68	6,859.01	6,717.93	141.08	48.618		
12,600.00	7,081.97	11,790.00	7,095.39	163.57	106.81	-86.76	-1,254.13	-11,131.68	6,759.02	6,617.88	141.14	47.890		
12,700.00	7,082.31	11,790.00	7,095.39	166.36	106.81	-86.76	-1,254.13	-11,131.68	6,659.02	6,517.83	141.19	47.163		
12,800.00	7,082.66	11,790.00	7,095.39	169.15	106.81	-86.76	-1,254.13	-11,131.68	6,559.03	6,417.78	141.25	46.436		
12,900.00	7,083.00	11,790.00	7,095.39	171.94	106.81	-86.76	-1,254.13	-11,131.68	6,459.03	6,317.72	141.31	45.708		
13,000.00	7,083.35	11,790.00	7,095.39	174.74	106.81	-86.76	-1,254.13	-11,131.68	6,359.04	6,217.67	141.37	44.981		
13,100.00	7,083.69	11,790.00	7,095.39	177.54	106.81	-86.76	-1,254.13	-11,131.68	6,259.04	6,117.61	141.43	44.255		
13,200.00	7,084.03	11,790.00	7,095.39	180.34	106.81	-86.76	-1,254.13	-11,131.68	6,159.05	6,017.55	141.50	43.528		
13,300.00	7,084.38	11,790.00	7,095.39	183.14	106.81	-86.76	-1,254.13	-11,131.68	6,059.06	5,917.50	141.56	42.802		
13,400.00	7,084.72	11,790.00	7,095.39	185.95	106.81	-86.76	-1,254.13	-11,131.68	5,959.06	5,817.44	141.63	42.076		
13,500.00	7,085.06	11,790.00	7,095.39	188.76	106.81	-86.76	-1,254.13	-11,131.68	5,859.07	5,717.38	141.69	41.351		
13,600.00	7,085.41	11,790.00	7,095.39	191.56	106.81	-86.76	-1,254.13	-11,131.68	5,759.07	5,617.31	141.76	40.625		
13,700.00	7,085.75	11,790.00	7,095.39	194.37	106.81	-86.76	-1,254.13	-11,131.68	5,659.08	5,517.25	141.83	39.900		
13,800.00	7,086.09	11,790.00	7,095.39	197.18	106.81	-86.76	-1,254.13	-11,131.68	5,559.09	5,417.19	141.90	39.175		
13,900.00	7,086.44	11,790.00	7,095.39	200.00	106.81	-86.76	-1,254.13	-11,131.68	5,459.10	5,317.12	141.98	38.451		
14,000.00	7,086.78	11,790.00	7,095.39	202.81	106.81	-86.76	-1,254.13	-11,131.68	5,359.10	5,217.05	142.05	37.727		
14,100.00	7,087.13	11,790.00	7,095.39	205.63	106.81	-86.76	-1,254.13	-11,131.68	5,259.11	5,116.99	142.13	37.003		
14,200.00	7,087.47	11,790.00	7,095.39	208.44	106.81	-86.76	-1,254.13	-11,131.68	5,159.12	5,016.92	142.20	36.280		
14,300.00	7,087.81	11,790.00	7,095.39	211.26	106.81	-86.76	-1,254.13	-11,131.68	5,059.13	4,916.85	142.28	35.557		
14,400.00	7,088.16	11,790.00	7,095.39	214.08	106.81	-86.76	-1,254.13	-11,131.68	4,959.14	4,816.77	142.37	34.834		
14,500.00	7,088.50	11,790.00	7,095.39	216.90	106.81	-86.76	-1,254.13	-11,131.68	4,859.15	4,716.70	142.45	34.112		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 726-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,600.00	7,088.84	11,790.00	7,095.39	219.72	106.81	-86.76	-1,254.13	-11,131.68	4,759.16	4,616.62	142.53	33.390		
14,700.00	7,089.19	11,794.00	7,095.27	222.54	106.89	-86.84	-1,258.12	-11,131.64	4,659.17	4,516.42	142.75	32.639		
14,800.00	7,089.53	11,792.47	7,095.32	225.37	106.86	-86.81	-1,256.59	-11,131.65	4,559.18	4,416.39	142.79	31.930		
14,900.00	7,089.88	11,790.93	7,095.36	228.19	106.82	-86.78	-1,255.06	-11,131.67	4,459.19	4,316.36	142.83	31.220		
15,000.00	7,090.22	11,789.40	7,095.41	231.02	106.79	-86.74	-1,253.53	-11,131.68	4,359.20	4,216.33	142.87	30.511		
15,100.00	7,090.56	11,787.87	7,095.45	233.84	106.76	-86.71	-1,252.00	-11,131.70	4,259.21	4,116.30	142.92	29.802		
15,200.00	7,090.91	11,786.34	7,095.50	236.67	106.73	-86.67	-1,250.47	-11,131.71	4,159.22	4,016.27	142.96	29.094		
15,227.29	7,091.00	11,785.92	7,095.51	237.44	106.72	-86.66	-1,250.05	-11,131.72	4,131.94	3,988.97	142.97	28.900		
15,300.00	7,091.25	11,785.73	7,095.51	239.49	106.72	84.52	-1,249.86	-11,131.72	4,059.23	3,916.21	143.02	28.382		
15,326.57	7,091.35	11,786.12	7,095.50	240.24	106.73	87.05	-1,250.25	-11,131.71	4,032.66	3,889.62	143.04	28.192		
15,400.00	7,091.60	11,787.54	7,095.46	242.30	106.75	86.96	-1,251.67	-11,131.70	3,959.25	3,816.13	143.12	27.664		
15,500.00	7,091.96	11,789.48	7,095.40	245.12	106.79	86.84	-1,253.60	-11,131.68	3,859.27	3,716.04	143.22	26.946		
15,600.00	7,092.31	11,791.41	7,095.35	247.93	106.83	86.71	-1,255.53	-11,131.66	3,759.28	3,615.95	143.33	26.228		
15,700.00	7,092.66	11,793.34	7,095.29	250.75	106.87	86.58	-1,257.47	-11,131.64	3,659.30	3,515.87	143.44	25.512		
15,800.00	7,093.01	11,790.00	7,095.39	253.56	106.81	86.81	-1,254.13	-11,131.68	3,559.33	3,415.98	143.35	24.830		
15,900.00	7,093.36	11,790.00	7,095.39	256.38	106.81	86.81	-1,254.13	-11,131.68	3,459.35	3,315.96	143.38	24.126		
16,000.00	7,093.71	11,790.00	7,095.39	259.20	106.81	86.81	-1,254.13	-11,131.68	3,359.37	3,215.95	143.42	23.423		
16,100.00	7,094.07	11,790.00	7,095.39	262.02	106.81	86.81	-1,254.13	-11,131.68	3,259.40	3,115.94	143.45	22.721		
16,200.00	7,094.42	11,790.00	7,095.39	264.84	106.81	86.81	-1,254.13	-11,131.68	3,159.42	3,015.94	143.49	22.019		
16,300.00	7,094.77	11,790.00	7,095.39	267.65	106.81	86.81	-1,254.13	-11,131.68	3,059.45	2,915.93	143.52	21.317		
16,400.00	7,095.12	11,790.00	7,095.39	270.47	106.81	86.81	-1,254.13	-11,131.68	2,959.48	2,815.93	143.56	20.616		
16,500.00	7,095.47	11,790.00	7,095.39	273.30	106.81	86.81	-1,254.13	-11,131.68	2,859.52	2,715.93	143.59	19.915		
16,600.00	7,095.82	11,790.00	7,095.39	276.12	106.81	86.81	-1,254.13	-11,131.68	2,759.55	2,615.93	143.62	19.214		
16,700.00	7,096.18	11,790.00	7,095.39	278.94	106.81	86.81	-1,254.13	-11,131.68	2,659.59	2,515.93	143.66	18.514		
16,800.00	7,096.53	11,790.00	7,095.39	281.76	106.81	86.81	-1,254.13	-11,131.68	2,559.63	2,415.94	143.69	17.814		
16,900.00	7,096.88	11,790.00	7,095.39	284.58	106.81	86.81	-1,254.13	-11,131.68	2,459.67	2,315.95	143.73	17.114		
17,000.00	7,097.23	11,790.00	7,095.39	287.41	106.81	86.81	-1,254.13	-11,131.68	2,359.72	2,215.96	143.76	16.414		
17,100.00	7,097.58	11,790.00	7,095.39	290.23	106.81	86.81	-1,254.13	-11,131.68	2,259.77	2,115.97	143.80	15.715		
17,200.00	7,097.93	11,790.00	7,095.39	293.06	106.81	86.81	-1,254.13	-11,131.68	2,159.83	2,015.99	143.84	15.015		
17,300.00	7,098.29	11,790.00	7,095.39	295.88	106.81	86.81	-1,254.13	-11,131.68	2,059.89	1,916.00	143.89	14.316		
17,400.00	7,098.64	11,790.00	7,095.39	298.71	106.81	86.81	-1,254.13	-11,131.68	1,959.96	1,816.02	143.94	13.616		
17,500.00	7,098.99	11,790.00	7,095.39	301.53	106.81	86.81	-1,254.13	-11,131.68	1,860.04	1,716.03	144.00	12.916		
17,600.00	7,099.34	11,790.00	7,095.39	304.36	106.81	86.81	-1,254.13	-11,131.68	1,760.12	1,616.04	144.08	12.216		
17,700.00	7,099.69	11,790.00	7,095.39	307.19	106.81	86.81	-1,254.13	-11,131.68	1,660.21	1,516.04	144.17	11.516		
17,800.00	7,100.04	11,790.00	7,095.39	310.01	106.81	86.81	-1,254.13	-11,131.68	1,560.32	1,416.04	144.29	10.814		
17,900.00	7,100.40	11,790.00	7,095.39	312.84	106.81	86.81	-1,254.13	-11,131.68	1,460.44	1,316.01	144.43	10.112		
18,000.00	7,100.75	11,790.00	7,095.39	315.67	106.81	86.81	-1,254.13	-11,131.68	1,360.58	1,215.95	144.63	9.407		
18,100.00	7,101.10	11,790.00	7,095.39	318.50	106.81	86.81	-1,254.13	-11,131.68	1,260.74	1,115.85	144.89	8.701		
18,200.00	7,101.45	11,790.00	7,095.39	321.33	106.81	86.81	-1,254.13	-11,131.68	1,160.93	1,015.69	145.24	7.993		
18,300.00	7,101.80	11,790.00	7,095.39	324.16	106.81	86.81	-1,254.13	-11,131.68	1,061.16	915.42	145.74	7.281		
18,400.00	7,102.16	11,790.00	7,095.39	326.99	106.81	86.81	-1,254.13	-11,131.68	961.43	814.99	146.44	6.565		
18,500.00	7,102.51	11,790.00	7,095.39	329.82	106.81	86.81	-1,254.13	-11,131.68	861.76	714.30	147.46	5.844		
18,600.00	7,102.86	11,790.00	7,095.39	332.65	106.81	86.81	-1,254.13	-11,131.68	762.18	613.21	148.97	5.116		
18,700.00	7,103.21	11,790.00	7,095.39	335.48	106.81	86.81	-1,254.13	-11,131.68	662.73	511.45	151.28	4.381		
18,800.00	7,103.56	11,790.00	7,095.39	338.31	106.81	86.81	-1,254.13	-11,131.68	563.47	408.55	154.93	3.637		
18,900.00	7,103.91	11,790.00	7,095.39	341.14	106.81	86.81	-1,254.13	-11,131.68	464.54	303.62	160.91	2.887		
18,924.52	7,104.00	11,790.00	7,095.39	341.83	106.81	86.81	-1,254.13	-11,131.68	440.35	277.42	162.94	2.703	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-142.92	-2,417.83	-1,827.56	3,030.90					
100.00	100.00	79.00	79.00	3.28	3.56	-142.92	-2,417.83	-1,827.56	3,030.82	3,023.98	6.84	442.922		
200.00	200.00	179.00	179.00	3.34	5.57	-142.92	-2,417.83	-1,827.56	3,030.82	3,021.92	8.91	340.225		
300.00	299.98	278.98	278.98	3.44	8.64	84.12	-2,417.83	-1,827.56	3,030.64	3,018.56	12.08	250.863		
400.00	399.84	378.84	378.84	3.59	11.94	84.23	-2,417.83	-1,827.56	3,030.11	3,014.58	15.53	195.104		
500.00	499.45	478.45	478.45	3.80	15.31	84.41	-2,417.83	-1,827.56	3,029.25	3,010.14	19.10	158.566		
600.00	598.70	577.70	577.70	4.04	18.71	84.66	-2,417.83	-1,827.56	3,028.08	3,005.33	22.75	133.117		
700.00	697.47	676.47	676.47	4.32	22.11	84.98	-2,417.83	-1,827.56	3,026.65	3,000.21	26.44	114.488		
800.00	795.62	774.62	774.62	4.65	25.51	85.37	-2,417.83	-1,827.56	3,025.01	2,994.86	30.16	100.312		
900.00	893.06	872.06	872.06	5.02	28.88	85.82	-2,417.83	-1,827.56	3,023.24	2,989.34	33.90	89.187		
993.00	982.91	961.91	961.91	5.39	32.00	86.29	-2,417.83	-1,827.56	3,021.53	2,984.14	37.39	80.810		
1,000.00	989.65	968.65	968.65	5.42	32.24	86.32	-2,417.83	-1,827.56	3,021.40	2,983.75	37.65	80.241		
1,100.00	1,085.84	1,064.84	1,064.84	5.86	35.58	86.82	-2,417.83	-1,827.56	3,019.71	2,978.27	41.43	72.882		
1,200.00	1,182.03	1,161.03	1,161.03	6.32	38.92	87.32	-2,417.83	-1,827.56	3,018.25	2,973.02	45.24	66.722		
1,300.00	1,278.22	1,257.22	1,257.22	6.79	42.27	87.82	-2,417.83	-1,827.56	3,017.05	2,967.99	49.06	61.497		
1,400.00	1,374.42	1,353.42	1,353.42	7.28	45.62	88.32	-2,417.83	-1,827.56	3,016.09	2,963.19	52.90	57.016		
1,500.00	1,470.61	1,449.61	1,449.61	7.79	48.97	88.82	-2,417.83	-1,827.56	3,015.38	2,958.63	56.75	53.133		
1,600.00	1,566.80	1,545.80	1,545.80	8.30	52.32	89.32	-2,417.83	-1,827.56	3,014.92	2,954.30	60.61	49.739		
1,700.00	1,663.00	1,642.00	1,642.00	8.82	55.67	89.82	-2,417.83	-1,827.56	3,014.70	2,950.22	64.49	46.750		
1,736.92	1,698.52	1,677.52	1,677.52	9.01	56.91	90.00	-2,417.83	-1,827.56	3,014.68	2,948.77	65.92	45.734		
1,800.00	1,759.19	1,738.19	1,738.19	9.34	59.03	90.32	-2,417.83	-1,827.56	3,014.73	2,946.37	68.36	44.098		
1,900.00	1,855.38	1,834.38	1,834.38	9.87	62.38	90.81	-2,417.83	-1,827.56	3,015.01	2,942.76	72.25	41.731		
2,000.00	1,951.58	1,930.58	1,930.58	10.41	65.73	91.31	-2,417.83	-1,827.56	3,015.54	2,939.40	76.14	39.606		
2,100.00	2,047.77	2,026.77	2,026.77	10.95	69.09	91.81	-2,417.83	-1,827.56	3,016.32	2,936.28	80.03	37.688		
2,200.00	2,143.96	2,122.96	2,122.96	11.49	72.44	92.31	-2,417.83	-1,827.56	3,017.34	2,933.41	83.93	35.950		
2,300.00	2,240.16	2,219.16	2,219.16	12.04	75.80	92.81	-2,417.83	-1,827.56	3,018.61	2,930.78	87.83	34.368		
2,400.00	2,336.35	2,315.35	2,315.35	12.58	79.15	93.31	-2,417.83	-1,827.56	3,020.13	2,928.39	91.74	32.922		
2,500.00	2,432.54	2,411.54	2,411.54	13.13	82.51	93.81	-2,417.83	-1,827.56	3,021.89	2,926.25	95.64	31.596		
2,600.00	2,528.74	2,507.74	2,507.74	13.69	85.86	94.30	-2,417.83	-1,827.56	3,023.90	2,924.35	99.55	30.376		
2,700.00	2,624.93	2,603.93	2,603.93	14.24	89.22	94.80	-2,417.83	-1,827.56	3,026.15	2,922.69	103.46	29.250		
2,800.00	2,721.12	2,700.12	2,700.12	14.80	92.57	95.30	-2,417.83	-1,827.56	3,028.65	2,921.28	107.37	28.208		
2,900.00	2,817.32	2,803.68	2,796.32	15.35	96.19	95.79	-2,417.83	-1,827.56	3,031.39	2,919.86	111.54	27.178		
3,000.00	2,913.51	2,907.49	2,892.51	15.91	99.81	96.29	-2,417.83	-1,827.56	3,034.38	2,918.67	115.72	26.223		
3,100.00	3,009.70	2,988.70	2,988.70	16.47	102.64	96.78	-2,417.83	-1,827.56	3,037.61	2,918.51	119.11	25.503		
3,200.00	3,105.90	3,084.90	3,084.90	17.03	106.00	97.27	-2,417.83	-1,827.56	3,041.08	2,918.06	123.02	24.720		
3,300.00	3,202.09	3,181.09	3,181.09	17.59	109.36	97.76	-2,417.83	-1,827.56	3,044.80	2,917.86	126.94	23.987		
3,400.00	3,298.28	3,277.28	3,277.28	18.15	112.71	98.25	-2,417.83	-1,827.56	3,048.75	2,917.90	130.85	23.300		
3,500.00	3,394.48	3,373.48	3,373.48	18.72	116.07	98.74	-2,417.83	-1,827.56	3,052.95	2,918.18	134.77	22.654		
3,600.00	3,490.67	3,469.67	3,469.67	19.28	119.43	99.23	-2,417.83	-1,827.56	3,057.38	2,918.70	138.68	22.046		
3,700.00	3,586.86	3,565.86	3,565.86	19.84	122.78	99.71	-2,417.83	-1,827.56	3,062.05	2,919.45	142.60	21.474		
3,800.00	3,683.06	3,662.06	3,662.06	20.41	126.14	100.20	-2,417.83	-1,827.56	3,066.95	2,920.44	146.51	20.933		
3,900.00	3,779.25	3,758.25	3,758.25	20.97	129.50	100.68	-2,417.83	-1,827.56	3,072.10	2,921.67	150.43	20.423		
4,000.00	3,875.44	3,854.44	3,854.44	21.54	132.85	101.16	-2,417.83	-1,827.56	3,077.47	2,923.13	154.34	19.939		
4,100.00	3,971.64	3,950.64	3,950.64	22.11	136.21	101.64	-2,417.83	-1,827.56	3,083.08	2,924.82	158.26	19.482		
4,200.00	4,067.83	4,046.83	4,046.83	22.67	139.57	102.12	-2,417.83	-1,827.56	3,088.92	2,926.75	162.17	19.047		
4,300.00	4,164.02	4,143.02	4,143.02	23.24	142.93	102.60	-2,417.83	-1,827.56	3,094.99	2,928.91	166.08	18.635		
4,400.00	4,260.22	4,239.22	4,239.22	23.81	146.28	103.07	-2,417.83	-1,827.56	3,101.29	2,931.29	170.00	18.243		
4,500.00	4,356.41	4,335.41	4,335.41	24.37	149.64	103.55	-2,417.83	-1,827.56	3,107.82	2,933.91	173.91	17.870		
4,600.00	4,452.60	4,431.60	4,431.60	24.94	153.00	104.02	-2,417.83	-1,827.56	3,114.57	2,936.75	177.82	17.515		
4,700.00	4,548.79	4,527.79	4,527.79	25.51	156.35	104.49	-2,417.83	-1,827.56	3,121.55	2,939.81	181.73	17.177		
4,800.00	4,644.99	4,623.99	4,623.99	26.08	159.71	104.95	-2,417.83	-1,827.56	3,128.75	2,943.10	185.64	16.853		
4,900.00	4,741.18	4,720.18	4,720.18	26.65	163.07	105.42	-2,417.83	-1,827.56	3,136.17	2,946.62	189.55	16.545		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,816.37	4,816.37	27.21	166.43	105.88	-2,417.83	-1,827.56	3,143.81	2,950.35	193.46	16.250		
5,100.00	4,933.57	4,912.57	4,912.57	27.78	169.78	106.34	-2,417.83	-1,827.56	3,151.67	2,954.30	197.37	15.968		
5,200.00	5,029.76	5,008.76	5,008.76	28.35	173.14	106.80	-2,417.83	-1,827.56	3,159.75	2,958.47	201.28	15.698		
5,300.00	5,125.95	5,104.95	5,104.95	28.92	176.50	107.26	-2,417.83	-1,827.56	3,168.04	2,962.86	205.19	15.440		
5,400.00	5,222.15	5,201.15	5,201.15	29.49	179.86	107.71	-2,417.83	-1,827.56	3,176.55	2,967.46	209.09	15.192		
5,500.00	5,318.34	5,302.66	5,297.34	30.06	183.40	108.17	-2,417.83	-1,827.56	3,185.27	2,972.08	213.18	14.941		
5,600.00	5,414.53	5,406.47	5,393.53	30.63	187.02	108.62	-2,417.83	-1,827.56	3,194.20	2,976.84	217.35	14.696		
5,700.00	5,510.73	5,489.73	5,489.73	31.20	189.93	109.06	-2,417.83	-1,827.56	3,203.33	2,982.53	220.81	14.507		
5,800.00	5,606.92	5,585.92	5,585.92	31.77	193.29	109.51	-2,417.83	-1,827.56	3,212.68	2,987.97	224.71	14.297		
5,900.00	5,703.11	5,682.11	5,682.11	32.34	196.64	109.95	-2,417.83	-1,827.56	3,222.22	2,993.61	228.61	14.095		
6,000.00	5,799.31	5,778.31	5,778.31	32.91	200.00	110.39	-2,417.83	-1,827.56	3,231.97	2,999.46	232.51	13.900		
6,100.00	5,895.50	5,874.50	5,874.50	33.48	203.36	110.83	-2,417.83	-1,827.56	3,241.93	3,005.51	236.41	13.713		
6,200.00	5,991.69	5,970.69	5,970.69	34.05	206.72	111.27	-2,417.83	-1,827.56	3,252.08	3,011.77	240.31	13.533		
6,300.00	6,087.89	6,066.89	6,066.89	34.62	210.08	111.70	-2,417.83	-1,827.56	3,262.42	3,018.22	244.21	13.359		
6,400.00	6,184.08	6,163.08	6,163.08	35.19	213.43	112.13	-2,417.83	-1,827.56	3,272.97	3,024.86	248.10	13.192		
6,500.00	6,280.27	6,259.27	6,259.27	35.77	216.79	112.56	-2,417.83	-1,827.56	3,283.71	3,031.71	252.00	13.031		
6,535.30	6,314.23	6,306.77	6,293.23	35.97	218.45	112.71	-2,417.83	-1,827.56	3,287.54	3,033.69	253.85	12.951		
6,550.00	6,328.40	6,307.40	6,307.40	36.05	218.47	109.39	-2,417.83	-1,827.56	3,288.99	3,035.04	253.95	12.951		
6,600.00	6,377.01	6,356.01	6,356.01	36.31	220.17	94.45	-2,417.83	-1,827.56	3,291.62	3,035.73	255.89	12.863		
6,650.00	6,426.00	6,405.00	6,405.00	36.54	221.88	73.58	-2,417.83	-1,827.56	3,290.68	3,032.85	257.83	12.763		
6,700.00	6,475.08	6,454.08	6,454.08	36.73	223.59	50.69	-2,417.83	-1,827.56	3,286.15	3,026.42	259.73	12.652		
6,750.00	6,523.94	6,502.94	6,502.94	36.90	225.30	31.89	-2,417.83	-1,827.56	3,278.06	3,016.46	261.60	12.531		
6,800.00	6,572.28	6,551.28	6,551.28	37.05	226.98	18.76	-2,417.83	-1,827.56	3,266.44	3,003.01	263.43	12.400		
6,850.00	6,619.81	6,601.19	6,598.81	37.19	228.73	9.76	-2,417.83	-1,827.56	3,251.36	2,986.07	265.29	12.256		
6,900.00	6,666.23	6,645.23	6,645.23	37.32	230.26	3.28	-2,417.83	-1,827.56	3,232.91	2,965.97	266.94	12.111		
6,950.00	6,711.25	6,690.25	6,690.25	37.46	232.52	-1.72	-2,417.83	-1,827.56	3,211.19	2,941.89	269.29	11.924		
7,000.00	6,754.60	6,733.60	6,733.60	37.61	233.35	-5.88	-2,417.83	-1,827.56	3,186.34	2,916.12	270.22	11.792		
7,050.00	6,796.01	6,775.01	6,775.01	37.77	234.79	-9.60	-2,417.83	-1,827.56	3,158.51	2,886.75	271.76	11.622		
7,100.00	6,835.22	6,814.22	6,814.22	37.94	236.16	-13.15	-2,417.83	-1,827.56	3,127.89	2,854.67	273.22	11.448		
7,150.00	6,871.99	6,850.99	6,850.99	38.12	237.45	-16.75	-2,417.83	-1,827.56	3,094.67	2,820.07	274.59	11.270		
7,200.00	6,906.10	6,885.10	6,885.10	38.34	238.64	-20.59	-2,417.83	-1,827.56	3,059.06	2,783.18	275.88	11.088		
7,250.00	6,937.34	6,916.34	6,916.34	38.57	239.73	-24.83	-2,417.83	-1,827.56	3,021.29	2,744.23	277.07	10.905		
7,300.00	6,965.51	6,944.51	6,944.51	38.84	240.71	-29.68	-2,417.83	-1,827.56	2,981.63	2,703.47	278.16	10.719		
7,350.00	6,990.44	6,969.44	6,969.44	39.14	241.58	-35.32	-2,417.83	-1,827.56	2,940.32	2,661.18	279.14	10.533		
7,400.00	7,011.97	7,009.03	6,990.97	39.47	242.96	-41.93	-2,417.83	-1,827.56	2,897.64	2,616.99	280.65	10.325		
7,450.00	7,029.98	7,008.98	7,008.98	39.85	242.96	-49.64	-2,417.83	-1,827.56	2,853.89	2,573.10	280.79	10.164		
7,500.00	7,044.34	7,023.34	7,023.34	40.26	243.46	-58.42	-2,417.83	-1,827.56	2,809.35	2,527.90	281.44	9.982		
7,550.00	7,054.99	7,033.99	7,033.99	40.72	243.83	-68.01	-2,417.83	-1,827.56	2,764.32	2,482.33	281.99	9.803		
7,600.00	7,061.83	7,040.83	7,040.83	41.21	244.07	-77.90	-2,417.83	-1,827.56	2,719.12	2,436.70	282.42	9.628		
7,650.00	7,064.85	7,043.85	7,043.85	41.73	244.18	-87.45	-2,417.83	-1,827.56	2,674.04	2,391.31	282.73	9.458		
7,661.89	7,065.00	7,044.00	7,044.00	41.86	244.18	-89.60	-2,417.83	-1,827.56	2,663.37	2,380.58	282.79	9.418		
7,700.00	7,065.13	7,044.13	7,044.13	42.28	244.19	-89.61	-2,417.83	-1,827.56	2,629.27	2,346.30	282.97	9.292		
7,800.00	7,065.47	7,044.47	7,044.47	43.53	244.20	-89.63	-2,417.83	-1,827.56	2,540.35	2,256.84	283.51	8.960		
7,900.00	7,065.82	7,044.82	7,044.82	44.94	244.21	-89.64	-2,417.83	-1,827.56	2,452.28	2,168.12	284.15	8.630		
8,000.00	7,066.16	7,045.16	7,045.16	46.50	244.22	-89.66	-2,417.83	-1,827.56	2,365.15	2,080.25	284.91	8.301		
8,100.00	7,066.50	7,045.50	7,045.50	48.19	244.24	-89.68	-2,417.83	-1,827.56	2,279.09	1,993.30	285.79	7.975		
8,200.00	7,066.85	7,045.85	7,045.85	50.00	244.25	-89.69	-2,417.83	-1,827.56	2,194.21	1,907.39	286.82	7.650		
8,300.00	7,067.19	7,046.19	7,046.19	51.91	244.26	-89.71	-2,417.83	-1,827.56	2,110.65	1,822.64	288.01	7.328		
8,400.00	7,067.54	7,046.54	7,046.54	53.92	244.27	-89.73	-2,417.83	-1,827.56	2,028.58	1,739.20	289.38	7.010		
8,500.00	7,067.88	7,046.88	7,046.88	56.01	244.28	-89.74	-2,417.83	-1,827.56	1,948.19	1,657.24	290.94	6.696		
8,600.00	7,068.22	7,047.22	7,047.22	58.16	244.30	-89.76	-2,417.83	-1,827.56	1,869.68	1,576.96	292.72	6.387		
8,700.00	7,068.57	7,047.57	7,047.57	60.38	244.31	-89.78	-2,417.83	-1,827.56	1,793.32	1,498.59	294.74	6.084		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,047.91	7,047.91	62.65	244.32	-89.79	-2,417.83	-1,827.56	1,719.39	1,422.39	297.00	5.789		
8,900.00	7,069.25	7,048.25	7,048.25	64.97	244.33	-89.81	-2,417.83	-1,827.56	1,648.21	1,348.69	299.52	5.503		
9,000.00	7,069.60	7,048.60	7,048.60	67.34	244.34	-89.83	-2,417.83	-1,827.56	1,580.15	1,277.85	302.31	5.227		
9,100.00	7,069.94	7,048.94	7,048.94	69.74	244.36	-89.84	-2,417.83	-1,827.56	1,515.65	1,210.29	305.36	4.964		
9,200.00	7,070.28	7,049.28	7,049.28	72.18	244.37	-89.86	-2,417.83	-1,827.56	1,455.15	1,146.50	308.66	4.714		
9,300.00	7,070.63	7,049.63	7,049.63	74.65	244.38	-89.88	-2,417.83	-1,827.56	1,399.20	1,087.02	312.18	4.482		
9,400.00	7,070.97	7,049.97	7,049.97	77.15	244.39	-89.89	-2,417.83	-1,827.56	1,348.35	1,032.46	315.89	4.268		
9,500.00	7,071.32	7,050.32	7,050.32	79.67	244.40	-89.91	-2,417.83	-1,827.56	1,303.21	983.49	319.71	4.076		
9,600.00	7,071.66	7,050.66	7,050.66	82.22	244.42	-89.93	-2,417.83	-1,827.56	1,264.37	940.80	323.57	3.908		
9,700.00	7,072.00	7,051.00	7,051.00	84.78	244.43	-89.94	-2,417.83	-1,827.56	1,232.45	905.10	327.35	3.765		
9,800.00	7,072.35	7,051.35	7,051.35	87.37	244.44	-89.96	-2,417.83	-1,827.56	1,207.98	877.05	330.94	3.650		
9,900.00	7,072.69	7,051.69	7,051.69	89.97	244.45	-89.98	-2,417.83	-1,827.56	1,191.43	857.23	334.21	3.565		
10,000.00	7,073.03	7,052.03	7,052.03	92.59	244.46	-89.99	-2,417.83	-1,827.56	1,183.13	846.08	337.05	3.510		
10,048.55	7,073.20	7,052.20	7,052.20	93.86	244.47	-90.00	-2,417.83	-1,827.56	1,182.13	843.89	338.25	3.495 CC		
10,100.00	7,073.38	7,052.38	7,052.38	95.22	244.48	-90.01	-2,417.83	-1,827.56	1,183.25	843.88	339.37	3.487 ES, SF		
10,200.00	7,073.72	7,052.72	7,052.72	97.86	244.49	-90.03	-2,417.83	-1,827.56	1,191.80	850.68	341.11	3.494		
10,300.00	7,074.07	7,053.07	7,053.07	100.52	244.50	-90.04	-2,417.83	-1,827.56	1,208.58	866.32	342.26	3.531		
10,400.00	7,074.41	7,053.41	7,053.41	103.19	244.51	-90.06	-2,417.83	-1,827.56	1,233.27	890.43	342.84	3.597		
10,500.00	7,074.75	7,053.75	7,053.75	105.87	244.52	-90.08	-2,417.83	-1,827.56	1,265.40	922.51	342.90	3.690		
10,600.00	7,075.10	7,054.10	7,054.10	108.55	244.54	-90.09	-2,417.83	-1,827.56	1,304.43	961.92	342.51	3.808		
10,700.00	7,075.44	7,054.44	7,054.44	111.25	244.55	-90.11	-2,417.83	-1,827.56	1,349.75	1,008.00	341.75	3.949		
10,800.00	7,075.78	7,054.78	7,054.78	113.96	244.56	-90.13	-2,417.83	-1,827.56	1,400.75	1,060.04	340.72	4.111		
10,900.00	7,076.13	7,055.13	7,055.13	116.67	244.57	-90.14	-2,417.83	-1,827.56	1,456.85	1,117.37	339.48	4.291		
11,000.00	7,076.47	7,055.47	7,055.47	119.39	244.58	-90.16	-2,417.83	-1,827.56	1,517.46	1,179.36	338.10	4.488		
11,100.00	7,076.81	7,055.81	7,055.81	122.11	244.60	-90.18	-2,417.83	-1,827.56	1,582.08	1,245.44	336.64	4.700		
11,200.00	7,077.16	7,056.16	7,056.16	124.85	244.61	-90.19	-2,417.83	-1,827.56	1,650.23	1,315.09	335.14	4.924		
11,300.00	7,077.50	7,056.50	7,056.50	127.58	244.62	-90.21	-2,417.83	-1,827.56	1,721.50	1,387.87	333.63	5.160		
11,400.00	7,077.85	7,056.85	7,056.85	130.33	244.63	-90.23	-2,417.83	-1,827.56	1,795.50	1,463.36	332.14	5.406		
11,500.00	7,078.19	7,057.19	7,057.19	133.08	244.64	-90.24	-2,417.83	-1,827.56	1,871.93	1,541.24	330.69	5.661		
11,600.00	7,078.53	7,057.53	7,057.53	135.83	244.66	-90.26	-2,417.83	-1,827.56	1,950.49	1,621.21	329.28	5.923		
11,700.00	7,078.88	7,057.88	7,057.88	138.59	244.67	-90.28	-2,417.83	-1,827.56	2,030.93	1,703.00	327.93	6.193		
11,800.00	7,079.22	7,058.22	7,058.22	141.35	244.68	-90.29	-2,417.83	-1,827.56	2,113.05	1,786.41	326.64	6.469		
11,900.00	7,079.56	7,058.56	7,058.56	144.11	244.69	-90.31	-2,417.83	-1,827.56	2,196.65	1,871.23	325.41	6.750		
12,000.00	7,079.91	7,058.91	7,058.91	146.88	244.70	-90.33	-2,417.83	-1,827.56	2,281.57	1,957.32	324.25	7.036		
12,100.00	7,080.25	7,059.25	7,059.25	149.66	244.72	-90.34	-2,417.83	-1,827.56	2,367.66	2,044.52	323.14	7.327		
12,200.00	7,080.60	7,059.60	7,059.60	152.43	244.73	-90.36	-2,417.83	-1,827.56	2,454.82	2,132.72	322.10	7.621		
12,300.00	7,080.94	7,059.94	7,059.94	155.21	244.74	-90.38	-2,417.83	-1,827.56	2,542.91	2,221.80	321.11	7.919		
12,400.00	7,081.28	7,060.28	7,060.28	157.99	244.75	-90.39	-2,417.83	-1,827.56	2,631.86	2,311.68	320.18	8.220		
12,500.00	7,081.63	7,060.63	7,060.63	160.78	244.76	-90.41	-2,417.83	-1,827.56	2,721.58	2,402.27	319.30	8.524		
12,600.00	7,081.97	7,060.97	7,060.97	163.57	244.78	-90.43	-2,417.83	-1,827.56	2,811.98	2,493.51	318.47	8.830		
12,700.00	7,082.31	7,061.31	7,061.31	166.36	244.79	-90.44	-2,417.83	-1,827.56	2,903.02	2,585.34	317.69	9.138		
12,800.00	7,082.66	7,061.66	7,061.66	169.15	244.80	-90.46	-2,417.83	-1,827.56	2,994.63	2,677.69	316.95	9.448		
12,900.00	7,083.00	7,062.00	7,062.00	171.94	244.81	-90.47	-2,417.83	-1,827.56	3,086.76	2,770.51	316.25	9.761		
13,000.00	7,083.35	7,062.35	7,062.35	174.74	244.82	-90.49	-2,417.83	-1,827.56	3,179.37	2,863.78	315.59	10.074		
13,100.00	7,083.69	7,062.69	7,062.69	177.54	244.84	-90.51	-2,417.83	-1,827.56	3,272.41	2,957.44	314.97	10.390		
13,200.00	7,084.03	7,063.03	7,063.03	180.34	244.85	-90.52	-2,417.83	-1,827.56	3,365.85	3,051.47	314.38	10.706		
13,300.00	7,084.38	7,063.38	7,063.38	183.14	244.86	-90.54	-2,417.83	-1,827.56	3,459.66	3,145.84	313.82	11.024		
13,400.00	7,084.72	7,063.72	7,063.72	185.95	244.87	-90.56	-2,417.83	-1,827.56	3,553.80	3,240.51	313.29	11.343		
13,500.00	7,085.06	7,064.06	7,064.06	188.76	244.88	-90.57	-2,417.83	-1,827.56	3,648.26	3,335.46	312.80	11.663		
13,600.00	7,085.41	7,064.41	7,064.41	191.56	244.90	-90.59	-2,417.83	-1,827.56	3,743.00	3,430.68	312.32	11.984		
13,700.00	7,085.75	7,064.75	7,064.75	194.37	244.91	-90.61	-2,417.83	-1,827.56	3,838.02	3,526.14	311.88	12.306		
13,800.00	7,086.09	7,065.09	7,065.09	197.18	244.92	-90.62	-2,417.83	-1,827.56	3,933.27	3,621.82	311.45	12.629		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,065.44	7,065.44	200.00	244.93	-90.64	-2,417.83	-1,827.56	4,028.76	3,717.71	311.05	12.952		
14,000.00	7,086.78	7,065.78	7,065.78	202.81	244.94	-90.66	-2,417.83	-1,827.56	4,124.46	3,813.79	310.67	13.276		
14,100.00	7,087.13	7,066.13	7,066.13	205.63	244.96	-90.67	-2,417.83	-1,827.56	4,220.37	3,910.05	310.31	13.600		
14,200.00	7,087.47	7,066.47	7,066.47	208.44	244.97	-90.69	-2,417.83	-1,827.56	4,316.45	4,006.48	309.97	13.925		
14,300.00	7,087.81	7,066.81	7,066.81	211.26	244.98	-90.71	-2,417.83	-1,827.56	4,412.71	4,103.07	309.65	14.251		
14,400.00	7,088.16	7,067.16	7,067.16	214.08	244.99	-90.72	-2,417.83	-1,827.56	4,509.14	4,199.80	309.34	14.577		
14,500.00	7,088.50	7,067.50	7,067.50	216.90	245.00	-90.74	-2,417.83	-1,827.56	4,605.71	4,296.67	309.04	14.903		
14,600.00	7,088.84	7,067.84	7,067.84	219.72	245.02	-90.76	-2,417.83	-1,827.56	4,702.43	4,393.67	308.77	15.230		
14,700.00	7,089.19	7,068.19	7,068.19	222.54	245.03	-90.77	-2,417.83	-1,827.56	4,799.29	4,490.78	308.50	15.557		
14,800.00	7,089.53	7,068.53	7,068.53	225.37	245.04	-90.79	-2,417.83	-1,827.56	4,896.27	4,588.02	308.25	15.884		
14,900.00	7,089.88	7,068.88	7,068.88	228.19	245.05	-90.81	-2,417.83	-1,827.56	4,993.37	4,685.35	308.01	16.211		
15,000.00	7,090.22	7,069.22	7,069.22	231.02	245.06	-90.82	-2,417.83	-1,827.56	5,090.58	4,782.79	307.79	16.539		
15,100.00	7,090.56	7,069.56	7,069.56	233.84	245.08	-90.84	-2,417.83	-1,827.56	5,187.90	4,880.32	307.57	16.867		
15,200.00	7,090.91	7,069.91	7,069.91	236.67	245.09	-90.86	-2,417.83	-1,827.56	5,285.31	4,977.94	307.37	17.195		
15,227.29	7,091.00	7,070.00	7,070.00	237.44	245.09	-90.86	-2,417.83	-1,827.56	5,311.92	5,004.60	307.32	17.285		
15,300.00	7,091.25	7,070.25	7,070.25	239.49	245.10	-90.80	-2,417.83	-1,827.56	5,382.62	5,075.45	307.17	17.524		
15,326.57	7,091.35	7,070.35	7,070.35	240.24	245.10	-90.77	-2,417.83	-1,827.56	5,408.36	5,101.25	307.11	17.611		
15,400.00	7,091.60	7,070.60	7,070.60	242.30	245.11	-90.78	-2,417.83	-1,827.56	5,479.45	5,172.50	306.94	17.852		
15,500.00	7,091.96	7,070.96	7,070.96	245.12	245.12	-90.80	-2,417.83	-1,827.56	5,576.36	5,269.63	306.73	18.180		
15,600.00	7,092.31	7,071.31	7,071.31	247.93	245.14	-90.81	-2,417.83	-1,827.56	5,673.38	5,366.85	306.53	18.508		
15,700.00	7,092.66	7,071.66	7,071.66	250.75	245.15	-90.83	-2,417.83	-1,827.56	5,770.51	5,464.16	306.34	18.837		
15,800.00	7,093.01	7,072.01	7,072.01	253.56	245.16	-90.84	-2,417.83	-1,827.56	5,867.72	5,561.56	306.16	19.165		
15,900.00	7,093.36	7,072.36	7,072.36	256.38	245.17	-90.86	-2,417.83	-1,827.56	5,965.04	5,659.05	305.99	19.494		
16,000.00	7,093.71	7,072.71	7,072.71	259.20	245.19	-90.87	-2,417.83	-1,827.56	6,062.43	5,756.61	305.82	19.823		
16,100.00	7,094.07	7,073.07	7,073.07	262.02	245.20	-90.89	-2,417.83	-1,827.56	6,159.92	5,854.25	305.67	20.152		
16,200.00	7,094.42	7,073.42	7,073.42	264.84	245.21	-90.90	-2,417.83	-1,827.56	6,257.48	5,951.96	305.52	20.481		
16,300.00	7,094.77	7,073.77	7,073.77	267.65	245.22	-90.92	-2,417.83	-1,827.56	6,355.11	6,049.73	305.38	20.810		
16,400.00	7,095.12	7,074.12	7,074.12	270.47	245.23	-90.93	-2,417.83	-1,827.56	6,452.82	6,147.58	305.25	21.140		
16,500.00	7,095.47	7,074.47	7,074.47	273.30	245.25	-90.95	-2,417.83	-1,827.56	6,550.60	6,245.48	305.12	21.469		
16,600.00	7,095.82	7,074.82	7,074.82	276.12	245.26	-90.96	-2,417.83	-1,827.56	6,648.45	6,343.45	305.00	21.798		
16,700.00	7,096.18	7,075.18	7,075.18	278.94	245.27	-90.98	-2,417.83	-1,827.56	6,746.36	6,441.47	304.89	22.127		
16,800.00	7,096.53	7,075.53	7,075.53	281.76	245.28	-90.99	-2,417.83	-1,827.56	6,844.32	6,539.54	304.78	22.457		
16,900.00	7,096.88	7,075.88	7,075.88	284.58	245.30	-91.01	-2,417.83	-1,827.56	6,942.35	6,637.67	304.68	22.786		
17,000.00	7,097.23	7,076.23	7,076.23	287.41	245.31	-91.02	-2,417.83	-1,827.56	7,040.43	6,735.85	304.58	23.115		
17,100.00	7,097.58	7,076.58	7,076.58	290.23	245.32	-91.04	-2,417.83	-1,827.56	7,138.57	6,834.07	304.49	23.444		
17,200.00	7,097.93	7,076.93	7,076.93	293.06	245.33	-91.05	-2,417.83	-1,827.56	7,236.75	6,932.34	304.41	23.773		
17,300.00	7,098.29	7,077.29	7,077.29	295.88	245.34	-91.07	-2,417.83	-1,827.56	7,334.99	7,030.66	304.33	24.102		
17,400.00	7,098.64	7,077.64	7,077.64	298.71	245.36	-91.08	-2,417.83	-1,827.56	7,433.27	7,129.01	304.26	24.431		
17,500.00	7,098.99	7,077.99	7,077.99	301.53	245.37	-91.10	-2,417.83	-1,827.56	7,531.60	7,227.41	304.19	24.760		
17,600.00	7,099.34	7,078.34	7,078.34	304.36	245.38	-91.11	-2,417.83	-1,827.56	7,629.97	7,325.84	304.12	25.088		
17,700.00	7,099.69	7,078.69	7,078.69	307.19	245.39	-91.12	-2,417.83	-1,827.56	7,728.38	7,424.32	304.06	25.417		
17,800.00	7,100.04	7,079.04	7,079.04	310.01	245.41	-91.14	-2,417.83	-1,827.56	7,826.83	7,522.83	304.01	25.746		
17,900.00	7,100.40	7,079.40	7,079.40	312.84	245.42	-91.15	-2,417.83	-1,827.56	7,925.32	7,621.37	303.95	26.074		
18,000.00	7,100.75	7,079.75	7,079.75	315.67	245.43	-91.17	-2,417.83	-1,827.56	8,023.85	7,719.95	303.91	26.402		
18,100.00	7,101.10	7,080.10	7,080.10	318.50	245.44	-91.18	-2,417.83	-1,827.56	8,122.42	7,818.56	303.86	26.731		
18,200.00	7,101.45	7,080.45	7,080.45	321.33	245.46	-91.20	-2,417.83	-1,827.56	8,221.02	7,917.19	303.82	27.059		
18,300.00	7,101.80	7,080.80	7,080.80	324.16	245.47	-91.21	-2,417.83	-1,827.56	8,319.65	8,015.86	303.79	27.387		
18,400.00	7,102.16	7,081.16	7,081.16	326.99	245.48	-91.23	-2,417.83	-1,827.56	8,418.31	8,114.56	303.75	27.714		
18,500.00	7,102.51	7,081.51	7,081.51	329.82	245.49	-91.24	-2,417.83	-1,827.56	8,517.01	8,213.29	303.72	28.042		
18,600.00	7,102.86	7,081.86	7,081.86	332.65	245.50	-91.26	-2,417.83	-1,827.56	8,615.74	8,312.04	303.70	28.369		
18,700.00	7,103.21	7,082.21	7,082.21	335.48	245.52	-91.27	-2,417.83	-1,827.56	8,714.49	8,410.82	303.68	28.697		
18,800.00	7,103.56	7,082.56	7,082.56	338.31	245.53	-91.29	-2,417.83	-1,827.56	8,813.28	8,509.62	303.66	29.024		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH												Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
18,900.00	7,103.91	7,082.91	7,082.91	341.14	245.54	-91.30	-2,417.83	-1,827.56	8,912.09	8,608.45	303.64	29.351	
18,924.52	7,104.00	7,083.00	7,083.00	341.83	245.54	-91.31	-2,417.83	-1,827.56	8,936.31	8,632.68	303.64	29.431	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	17.00	17.00	3.28	3.29	-86.60	410.81	-6,912.02	6,924.22					
100.00	100.00	117.00	117.00	3.28	4.03	-86.60	410.81	-6,912.02	6,924.22	6,916.90	7.31	946.805		
200.00	200.00	217.00	217.00	3.34	6.69	-86.60	410.81	-6,912.02	6,924.22	6,914.19	10.03	690.602		
300.00	299.98	316.98	316.98	3.44	9.88	140.39	410.81	-6,912.02	6,925.56	6,912.24	13.32	519.889		
400.00	399.84	416.84	416.84	3.59	13.22	140.37	410.81	-6,912.02	6,929.59	6,912.78	16.81	412.157		
500.00	499.45	516.45	516.45	3.80	16.61	140.33	410.81	-6,912.02	6,936.32	6,915.91	20.41	339.926		
600.00	598.70	615.70	615.70	4.04	20.02	140.27	410.81	-6,912.02	6,945.72	6,921.66	24.06	288.706		
700.00	697.47	714.47	714.47	4.32	23.43	140.20	410.81	-6,912.02	6,957.81	6,930.06	27.75	250.736		
800.00	795.62	812.62	812.62	4.65	26.82	140.11	410.81	-6,912.02	6,972.57	6,941.10	31.46	221.598		
900.00	893.06	910.06	910.06	5.02	30.20	140.00	410.81	-6,912.02	6,990.00	6,954.80	35.19	198.614		
993.00	982.91	1,000.09	999.91	5.39	33.33	139.88	410.81	-6,912.02	7,008.59	6,969.92	38.67	181.227		
1,000.00	989.65	1,006.65	1,006.65	5.42	33.56	139.89	410.81	-6,912.02	7,010.08	6,971.15	38.93	180.062		
1,100.00	1,085.84	1,102.84	1,102.84	5.86	36.90	140.03	410.81	-6,912.02	7,031.33	6,988.66	42.67	164.777		
1,200.00	1,182.03	1,200.97	1,199.03	6.32	40.31	140.17	410.81	-6,912.02	7,052.63	7,006.13	46.50	151.668		
1,300.00	1,278.22	1,304.78	1,295.22	6.79	43.93	140.31	410.81	-6,912.02	7,073.96	7,023.42	50.54	139.956		
1,400.00	1,374.42	1,408.58	1,391.42	7.28	47.54	140.45	410.81	-6,912.02	7,095.34	7,040.74	54.60	129.947		
1,500.00	1,470.61	1,487.61	1,487.61	7.79	50.29	140.59	410.81	-6,912.02	7,116.76	7,058.95	57.81	123.112		
1,600.00	1,566.80	1,583.80	1,583.80	8.30	53.65	140.72	410.81	-6,912.02	7,138.22	7,076.60	61.62	115.843		
1,700.00	1,663.00	1,680.00	1,680.00	8.82	57.00	140.86	410.81	-6,912.02	7,159.72	7,094.28	65.44	109.408		
1,800.00	1,759.19	1,776.19	1,776.19	9.34	60.35	140.99	410.81	-6,912.02	7,181.26	7,111.99	69.27	103.675		
1,900.00	1,855.38	1,872.38	1,872.38	9.87	63.70	141.13	410.81	-6,912.02	7,202.83	7,129.73	73.10	98.536		
2,000.00	1,951.58	1,968.58	1,968.58	10.41	67.06	141.26	410.81	-6,912.02	7,224.45	7,147.51	76.93	93.904		
2,100.00	2,047.77	2,064.77	2,064.77	10.95	70.41	141.40	410.81	-6,912.02	7,246.10	7,165.33	80.77	89.707		
2,200.00	2,143.96	2,160.96	2,160.96	11.49	73.77	141.53	410.81	-6,912.02	7,267.80	7,183.18	84.62	85.889		
2,300.00	2,240.16	2,257.16	2,257.16	12.04	77.12	141.66	410.81	-6,912.02	7,289.53	7,201.07	88.46	82.401		
2,400.00	2,336.35	2,353.35	2,353.35	12.58	80.48	141.79	410.81	-6,912.02	7,311.30	7,218.99	92.31	79.202		
2,500.00	2,432.54	2,449.54	2,449.54	13.13	83.83	141.92	410.81	-6,912.02	7,333.10	7,236.94	96.16	76.257		
2,600.00	2,528.74	2,545.74	2,545.74	13.69	87.19	142.05	410.81	-6,912.02	7,354.95	7,254.93	100.01	73.539		
2,700.00	2,624.93	2,641.93	2,641.93	14.24	90.54	142.18	410.81	-6,912.02	7,376.83	7,272.96	103.87	71.021		
2,800.00	2,721.12	2,738.12	2,738.12	14.80	93.90	142.31	410.81	-6,912.02	7,398.74	7,291.02	107.72	68.683		
2,900.00	2,817.32	2,834.32	2,834.32	15.35	97.26	142.44	410.81	-6,912.02	7,420.70	7,309.12	111.58	66.506		
3,000.00	2,913.51	2,930.51	2,930.51	15.91	100.61	142.56	410.81	-6,912.02	7,442.68	7,327.25	115.44	64.475		
3,100.00	3,009.70	3,026.70	3,026.70	16.47	103.97	142.69	410.81	-6,912.02	7,464.71	7,345.41	119.29	62.574		
3,200.00	3,105.90	3,122.90	3,122.90	17.03	107.33	142.81	410.81	-6,912.02	7,486.76	7,363.61	123.15	60.793		
3,300.00	3,202.09	3,219.09	3,219.09	17.59	110.68	142.94	410.81	-6,912.02	7,508.86	7,381.84	127.01	59.120		
3,400.00	3,298.28	3,315.28	3,315.28	18.15	114.04	143.06	410.81	-6,912.02	7,530.98	7,400.11	130.87	57.545		
3,500.00	3,394.48	3,411.48	3,411.48	18.72	117.40	143.18	410.81	-6,912.02	7,553.14	7,418.41	134.73	56.061		
3,600.00	3,490.67	3,507.67	3,507.67	19.28	120.75	143.31	410.81	-6,912.02	7,575.34	7,436.75	138.59	54.659		
3,700.00	3,586.86	3,603.86	3,603.86	19.84	124.11	143.43	410.81	-6,912.02	7,597.57	7,455.11	142.45	53.334		
3,800.00	3,683.06	3,700.06	3,700.06	20.41	127.47	143.55	410.81	-6,912.02	7,619.83	7,473.51	146.31	52.079		
3,900.00	3,779.25	3,803.75	3,796.25	20.97	131.08	143.67	410.81	-6,912.02	7,642.12	7,491.68	150.44	50.799		
4,000.00	3,875.44	3,907.56	3,892.44	21.54	134.71	143.79	410.81	-6,912.02	7,664.45	7,509.88	154.56	49.587		
4,100.00	3,971.64	3,988.64	3,988.64	22.11	137.54	143.91	410.81	-6,912.02	7,686.81	7,528.91	157.90	48.682		
4,200.00	4,067.83	4,084.83	4,084.83	22.67	140.89	144.02	410.81	-6,912.02	7,709.20	7,547.44	161.76	47.658		
4,300.00	4,164.02	4,181.02	4,181.02	23.24	144.25	144.14	410.81	-6,912.02	7,731.62	7,566.00	165.62	46.682		
4,400.00	4,260.22	4,277.22	4,277.22	23.81	147.61	144.26	410.81	-6,912.02	7,754.07	7,584.59	169.49	45.751		
4,500.00	4,356.41	4,373.41	4,373.41	24.37	150.97	144.37	410.81	-6,912.02	7,776.56	7,603.21	173.35	44.861		
4,600.00	4,452.60	4,469.60	4,469.60	24.94	154.32	144.49	410.81	-6,912.02	7,799.08	7,621.87	177.21	44.010		
4,700.00	4,548.79	4,565.79	4,565.79	25.51	157.68	144.61	410.81	-6,912.02	7,821.62	7,640.55	181.07	43.196		
4,800.00	4,644.99	4,661.99	4,661.99	26.08	161.04	144.72	410.81	-6,912.02	7,844.20	7,659.27	184.93	42.416		
4,900.00	4,741.18	4,758.18	4,758.18	26.65	164.40	144.83	410.81	-6,912.02	7,866.81	7,678.01	188.80	41.668		
5,000.00	4,837.37	4,854.37	4,854.37	27.21	167.75	144.95	410.81	-6,912.02	7,889.45	7,696.79	192.66	40.950		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,950.57	4,950.57	27.78	171.11	145.06	410.81	-6,912.02	7,912.11	7,715.59	196.52	40.261		
5,200.00	5,029.76	5,046.76	5,046.76	28.35	174.47	145.17	410.81	-6,912.02	7,934.81	7,734.43	200.38	39.598		
5,300.00	5,125.95	5,142.95	5,142.95	28.92	177.83	145.28	410.81	-6,912.02	7,957.53	7,753.29	204.25	38.961		
5,400.00	5,222.15	5,239.15	5,239.15	29.49	181.18	145.39	410.81	-6,912.02	7,980.29	7,772.18	208.11	38.347		
5,500.00	5,318.34	5,335.34	5,335.34	30.06	184.54	145.50	410.81	-6,912.02	8,003.07	7,791.10	211.97	37.756		
5,600.00	5,414.53	5,431.53	5,431.53	30.63	187.90	145.61	410.81	-6,912.02	8,025.88	7,810.05	215.83	37.186		
5,700.00	5,510.73	5,527.73	5,527.73	31.20	191.26	145.72	410.81	-6,912.02	8,048.72	7,829.03	219.69	36.636		
5,800.00	5,606.92	5,623.92	5,623.92	31.77	194.61	145.83	410.81	-6,912.02	8,071.59	7,848.04	223.55	36.106		
5,900.00	5,703.11	5,720.11	5,720.11	32.34	197.97	145.93	410.81	-6,912.02	8,094.49	7,867.07	227.42	35.593		
6,000.00	5,799.31	5,816.31	5,816.31	32.91	201.33	146.04	410.81	-6,912.02	8,117.41	7,886.13	231.28	35.098		
6,100.00	5,895.50	5,912.50	5,912.50	33.48	204.69	146.15	410.81	-6,912.02	8,140.36	7,905.22	235.14	34.619		
6,200.00	5,991.69	6,008.69	6,008.69	34.05	208.04	146.25	410.81	-6,912.02	8,163.34	7,924.33	239.00	34.156		
6,300.00	6,087.89	6,104.89	6,104.89	34.62	211.40	146.36	410.81	-6,912.02	8,186.34	7,943.48	242.86	33.708		
6,400.00	6,184.08	6,201.08	6,201.08	35.19	214.76	146.46	410.81	-6,912.02	8,209.37	7,962.65	246.72	33.274		
6,500.00	6,280.27	6,302.73	6,297.27	35.77	218.31	146.57	410.81	-6,912.02	8,232.43	7,981.65	250.77	32.828		
6,535.30	6,314.23	6,331.23	6,331.23	35.97	219.30	146.60	410.81	-6,912.02	8,240.57	7,988.62	251.95	32.708		
6,550.00	6,328.40	6,345.40	6,345.40	36.05	219.80	143.14	410.81	-6,912.02	8,243.80	7,991.29	252.51	32.647		
6,600.00	6,377.01	6,405.99	6,394.01	36.31	221.91	127.83	410.81	-6,912.02	8,252.34	7,997.47	254.87	32.378		
6,650.00	6,426.00	6,443.00	6,443.00	36.54	223.20	106.81	410.81	-6,912.02	8,257.06	8,000.67	256.39	32.205		
6,700.00	6,475.08	6,507.92	6,492.08	36.73	225.47	83.98	410.81	-6,912.02	8,257.93	7,999.07	258.86	31.901		
6,750.00	6,523.94	6,540.94	6,540.94	36.90	226.62	65.47	410.81	-6,912.02	8,254.95	7,994.77	260.19	31.727		
6,800.00	6,572.28	6,589.28	6,589.28	37.05	228.31	52.86	410.81	-6,912.02	8,248.15	7,986.12	262.02	31.479		
6,850.00	6,619.81	6,636.81	6,636.81	37.19	229.97	44.63	410.81	-6,912.02	8,237.56	7,973.76	263.80	31.226		
6,900.00	6,666.23	6,683.23	6,683.23	37.32	231.59	39.19	410.81	-6,912.02	8,223.25	7,957.73	265.52	30.971		
6,950.00	6,711.25	6,728.25	6,728.25	37.46	233.16	35.54	410.81	-6,912.02	8,205.31	7,938.16	267.16	30.713		
7,000.00	6,754.60	6,771.60	6,771.60	37.61	234.67	33.08	410.81	-6,912.02	8,183.87	7,915.14	268.72	30.455		
7,050.00	6,796.01	6,813.01	6,813.01	37.77	236.12	31.48	410.81	-6,912.02	8,159.04	7,888.84	270.20	30.196		
7,100.00	6,835.22	6,852.22	6,852.22	37.94	237.49	30.55	410.81	-6,912.02	8,130.98	7,859.40	271.58	29.939		
7,150.00	6,871.99	6,888.99	6,888.99	38.12	238.77	30.16	410.81	-6,912.02	8,099.88	7,827.01	272.87	29.684		
7,200.00	6,906.10	6,923.10	6,923.10	38.34	239.96	30.29	410.81	-6,912.02	8,065.91	7,791.86	274.05	29.433		
7,250.00	6,937.34	6,954.34	6,954.34	38.57	241.05	30.93	410.81	-6,912.02	8,029.29	7,754.18	275.11	29.185		
7,300.00	6,965.51	6,982.51	6,982.51	38.84	242.04	32.13	410.81	-6,912.02	7,990.25	7,714.18	276.07	28.943		
7,350.00	6,990.44	7,007.44	7,007.44	39.14	242.91	34.01	410.81	-6,912.02	7,949.03	7,672.12	276.91	28.706		
7,400.00	7,011.97	7,028.97	7,028.97	39.47	243.66	36.76	410.81	-6,912.02	7,905.87	7,628.24	277.63	28.476		
7,450.00	7,029.98	7,046.98	7,046.98	39.85	244.29	40.72	410.81	-6,912.02	7,861.05	7,582.82	278.23	28.254		
7,500.00	7,044.34	7,061.34	7,061.34	40.26	244.79	46.44	410.81	-6,912.02	7,814.84	7,536.13	278.71	28.039		
7,550.00	7,054.99	7,071.99	7,071.99	40.72	245.16	54.82	410.81	-6,912.02	7,767.52	7,488.46	279.07	27.834		
7,600.00	7,061.83	7,078.83	7,078.83	41.21	245.40	67.11	410.81	-6,912.02	7,719.39	7,440.09	279.30	27.638		
7,650.00	7,064.85	7,081.85	7,081.85	41.73	245.50	84.34	410.81	-6,912.02	7,670.73	7,391.32	279.41	27.453		
7,661.89	7,065.00	7,082.00	7,082.00	41.86	245.51	89.09	410.81	-6,912.02	7,659.11	7,379.69	279.42	27.411		
7,700.00	7,065.13	7,082.13	7,082.13	42.28	245.51	89.09	410.81	-6,912.02	7,621.87	7,342.43	279.43	27.276		
7,800.00	7,065.47	7,082.47	7,082.47	43.53	245.53	89.11	410.81	-6,912.02	7,524.18	7,244.70	279.48	26.922		
7,900.00	7,065.82	7,082.82	7,082.82	44.94	245.54	89.12	410.81	-6,912.02	7,426.56	7,147.01	279.55	26.566		
8,000.00	7,066.16	7,083.16	7,083.16	46.50	245.55	89.13	410.81	-6,912.02	7,329.00	7,049.37	279.63	26.210		
8,100.00	7,066.50	7,083.50	7,083.50	48.19	245.56	89.14	410.81	-6,912.02	7,231.51	6,951.77	279.73	25.852		
8,200.00	7,066.85	7,083.85	7,083.85	50.00	245.57	89.16	410.81	-6,912.02	7,134.08	6,854.23	279.85	25.492		
8,300.00	7,067.19	7,084.19	7,084.19	51.91	245.59	89.17	410.81	-6,912.02	7,036.73	6,756.74	279.99	25.132		
8,400.00	7,067.54	7,084.54	7,084.54	53.92	245.60	89.18	410.81	-6,912.02	6,939.46	6,659.30	280.15	24.770		
8,500.00	7,067.88	7,084.88	7,084.88	56.01	245.61	89.19	410.81	-6,912.02	6,842.26	6,561.92	280.34	24.407		
8,600.00	7,068.22	7,085.22	7,085.22	58.16	245.62	89.20	410.81	-6,912.02	6,745.14	6,464.60	280.55	24.043		
8,700.00	7,068.57	7,085.57	7,085.57	60.38	245.63	89.22	410.81	-6,912.02	6,648.11	6,367.33	280.78	23.677		
8,800.00	7,068.91	7,085.91	7,085.91	62.65	245.65	89.23	410.81	-6,912.02	6,551.17	6,270.13	281.05	23.310		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Montera #10-33(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	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)					
8,900.00	7,069.25	7,086.25	7,086.25	64.97	245.66	89.24	410.81	-6,912.02	6,454.33	6,172.99	281.34	22.942				
9,000.00	7,069.60	7,086.60	7,086.60	67.34	245.67	89.25	410.81	-6,912.02	6,357.58	6,075.92	281.66	22.572				
9,100.00	7,069.94	7,086.94	7,086.94	69.74	245.68	89.26	410.81	-6,912.02	6,260.93	5,978.91	282.02	22.201				
9,200.00	7,070.28	7,087.28	7,087.28	72.18	245.69	89.28	410.81	-6,912.02	6,164.39	5,881.98	282.41	21.828				
9,300.00	7,070.63	7,087.63	7,087.63	74.65	245.71	89.29	410.81	-6,912.02	6,067.96	5,785.13	282.83	21.454				
9,400.00	7,070.97	7,087.97	7,087.97	77.15	245.72	89.30	410.81	-6,912.02	5,971.65	5,688.35	283.30	21.079				
9,500.00	7,071.32	7,088.32	7,088.32	79.67	245.73	89.31	410.81	-6,912.02	5,875.46	5,591.66	283.80	20.703				
9,600.00	7,071.66	7,088.66	7,088.66	82.22	245.74	89.33	410.81	-6,912.02	5,779.40	5,495.05	284.35	20.325				
9,700.00	7,072.00	7,089.00	7,089.00	84.78	245.75	89.34	410.81	-6,912.02	5,683.48	5,398.54	284.95	19.946				
9,800.00	7,072.35	7,089.35	7,089.35	87.37	245.77	89.35	410.81	-6,912.02	5,587.70	5,302.12	285.59	19.566				
9,900.00	7,072.69	7,089.69	7,089.69	89.97	245.78	89.36	410.81	-6,912.02	5,492.07	5,205.80	286.27	19.185				
10,000.00	7,073.03	7,109.97	7,090.03	92.59	246.49	89.37	410.81	-6,912.02	5,396.60	5,108.89	287.71	18.757				
10,100.00	7,073.38	7,109.62	7,090.38	95.22	246.47	89.39	410.81	-6,912.02	5,301.30	5,012.81	288.48	18.376				
10,200.00	7,073.72	7,109.28	7,090.72	97.86	246.46	89.40	410.81	-6,912.02	5,206.17	4,916.86	289.31	17.995				
10,300.00	7,074.07	7,108.94	7,091.07	100.52	246.45	89.41	410.81	-6,912.02	5,111.23	4,821.03	290.20	17.613				
10,400.00	7,074.41	7,108.59	7,091.41	103.19	246.44	89.42	410.81	-6,912.02	5,016.48	4,725.33	291.15	17.230				
10,500.00	7,074.75	7,108.25	7,091.75	105.87	246.43	89.43	410.81	-6,912.02	4,921.95	4,629.77	292.17	16.846				
10,600.00	7,075.10	7,107.90	7,092.10	108.55	246.41	89.45	410.81	-6,912.02	4,827.63	4,534.37	293.26	16.462				
10,700.00	7,075.44	7,107.56	7,092.44	111.25	246.40	89.46	410.81	-6,912.02	4,733.55	4,439.12	294.42	16.077				
10,800.00	7,075.78	7,107.22	7,092.78	113.96	246.39	89.47	410.81	-6,912.02	4,639.71	4,344.05	295.66	15.693				
10,900.00	7,076.13	7,106.87	7,093.13	116.67	246.38	89.48	410.81	-6,912.02	4,546.14	4,249.16	296.98	15.308				
11,000.00	7,076.47	7,106.53	7,093.47	119.39	246.37	89.50	410.81	-6,912.02	4,452.84	4,154.46	298.38	14.924				
11,100.00	7,076.81	7,106.19	7,093.81	122.11	246.35	89.51	410.81	-6,912.02	4,359.85	4,059.98	299.87	14.539				
11,200.00	7,077.16	7,105.84	7,094.16	124.85	246.34	89.52	410.81	-6,912.02	4,267.17	3,965.72	301.45	14.155				
11,300.00	7,077.50	7,105.50	7,094.50	127.58	246.33	89.53	410.81	-6,912.02	4,174.82	3,871.69	303.13	13.772				
11,400.00	7,077.85	7,105.15	7,094.85	130.33	246.32	89.54	410.81	-6,912.02	4,082.84	3,777.93	304.91	13.390				
11,500.00	7,078.19	7,104.81	7,095.19	133.08	246.31	89.56	410.81	-6,912.02	3,991.25	3,684.44	306.80	13.009				
11,600.00	7,078.53	7,104.47	7,095.53	135.83	246.29	89.57	410.81	-6,912.02	3,900.06	3,591.26	308.81	12.629				
11,700.00	7,078.88	7,104.12	7,095.88	138.59	246.28	89.58	410.81	-6,912.02	3,809.32	3,498.39	310.93	12.251				
11,800.00	7,079.22	7,103.78	7,096.22	141.35	246.27	89.59	410.81	-6,912.02	3,719.06	3,405.87	313.18	11.875				
11,900.00	7,079.56	7,103.44	7,096.56	144.11	246.26	89.61	410.81	-6,912.02	3,629.30	3,313.73	315.57	11.501				
12,000.00	7,079.91	7,103.09	7,096.91	146.88	246.25	89.62	410.81	-6,912.02	3,540.10	3,222.00	318.09	11.129				
12,100.00	7,080.25	7,102.75	7,097.25	149.66	246.23	89.63	410.81	-6,912.02	3,451.48	3,130.72	320.77	10.760				
12,200.00	7,080.60	7,102.40	7,097.60	152.43	246.22	89.64	410.81	-6,912.02	3,363.51	3,039.91	323.60	10.394				
12,300.00	7,080.94	7,102.06	7,097.94	155.21	246.21	89.65	410.81	-6,912.02	3,276.22	2,949.63	326.59	10.032				
12,400.00	7,081.28	7,101.72	7,098.28	157.99	246.20	89.67	410.81	-6,912.02	3,189.68	2,859.92	329.76	9.673				
12,500.00	7,081.63	7,101.37	7,098.63	160.78	246.19	89.68	410.81	-6,912.02	3,103.95	2,770.84	333.12	9.318				
12,600.00	7,081.97	7,101.03	7,098.97	163.57	246.17	89.69	410.81	-6,912.02	3,019.10	2,682.44	336.66	8.968				
12,700.00	7,082.31	7,100.69	7,099.31	166.36	246.16	89.70	410.81	-6,912.02	2,935.20	2,594.79	340.42	8.622				
12,800.00	7,082.66	7,100.34	7,099.66	169.15	246.15	89.71	410.81	-6,912.02	2,852.34	2,507.96	344.38	8.282				
12,900.00	7,083.00	7,100.00	7,100.00	171.94	246.14	89.73	410.81	-6,912.02	2,770.61	2,422.04	348.57	7.948				
13,000.00	7,083.35	7,100.35	7,100.35	174.74	246.15	89.74	410.81	-6,912.02	2,690.12	2,337.10	353.02	7.620				
13,100.00	7,083.69	7,100.69	7,100.69	177.54	246.16	89.75	410.81	-6,912.02	2,610.97	2,253.26	357.72	7.299				
13,200.00	7,084.03	7,101.03	7,101.03	180.34	246.17	89.76	410.81	-6,912.02	2,533.30	2,170.64	362.66	6.985				
13,300.00	7,084.38	7,101.38	7,101.38	183.14	246.19	89.78	410.81	-6,912.02	2,457.25	2,089.38	367.87	6.680				
13,400.00	7,084.72	7,101.72	7,101.72	185.95	246.20	89.79	410.81	-6,912.02	2,382.96	2,009.62	373.34	6.383				
13,500.00	7,085.06	7,102.06	7,102.06	188.76	246.21	89.80	410.81	-6,912.02	2,310.62	1,931.54	379.08	6.095				
13,600.00	7,085.41	7,102.41	7,102.41	191.56	246.22	89.81	410.81	-6,912.02	2,240.40	1,855.32	385.08	5.818				
13,700.00	7,085.75	7,102.75	7,102.75	194.37	246.23	89.82	410.81	-6,912.02	2,172.52	1,781.18	391.34	5.551				
13,800.00	7,086.09	7,103.09	7,103.09	197.18	246.25	89.84	410.81	-6,912.02	2,107.20	1,709.35	397.85	5.296				
13,900.00	7,086.44	7,103.44	7,103.44	200.00	246.26	89.85	410.81	-6,912.02	2,044.68	1,640.10	404.58	5.054				
14,000.00	7,086.78	7,103.78	7,103.78	202.81	246.27	89.86	410.81	-6,912.02	1,985.24	1,573.72	411.51	4.824				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,104.13	7,104.13	205.63	246.28	89.87	410.81	-6,912.02	1,929.15	1,510.55	418.60	4.609		
14,200.00	7,087.47	7,104.47	7,104.47	208.44	246.29	89.88	410.81	-6,912.02	1,876.71	1,450.94	425.78	4.408		
14,300.00	7,087.81	7,104.81	7,104.81	211.26	246.31	89.90	410.81	-6,912.02	1,828.25	1,395.26	432.99	4.222		
14,400.00	7,088.16	7,105.16	7,105.16	214.08	246.32	89.91	410.81	-6,912.02	1,784.08	1,343.92	440.16	4.053		
14,500.00	7,088.50	7,105.50	7,105.50	216.90	246.33	89.92	410.81	-6,912.02	1,744.53	1,297.35	447.18	3.901		
14,600.00	7,088.84	7,105.84	7,105.84	219.72	246.34	89.93	410.81	-6,912.02	1,709.92	1,255.97	453.95	3.767		
14,700.00	7,089.19	7,106.19	7,106.19	222.54	246.35	89.95	410.81	-6,912.02	1,680.55	1,220.20	460.35	3.651		
14,800.00	7,089.53	7,106.53	7,106.53	225.37	246.37	89.96	410.81	-6,912.02	1,656.71	1,190.44	466.27	3.553		
14,900.00	7,089.88	7,106.88	7,106.88	228.19	246.38	89.97	410.81	-6,912.02	1,638.64	1,167.04	471.60	3.475		
15,000.00	7,090.22	7,107.22	7,107.22	231.02	246.39	89.98	410.81	-6,912.02	1,626.52	1,150.30	476.22	3.415		
15,100.00	7,090.56	7,107.56	7,107.56	233.84	246.40	89.99	410.81	-6,912.02	1,620.50	1,140.45	480.05	3.376		
15,147.80	7,090.73	7,107.73	7,107.73	235.19	246.41	90.00	410.81	-6,912.02	1,619.79	1,138.21	481.59	3.363 CC		
15,200.00	7,090.91	7,107.91	7,107.91	236.67	246.41	90.01	410.81	-6,912.02	1,620.64	1,137.60	483.03	3.355 ES		
15,227.29	7,091.00	7,108.00	7,108.00	237.44	246.42	90.01	410.81	-6,912.02	1,621.74	1,138.05	483.69	3.353 SF		
15,300.00	7,091.25	7,108.25	7,108.25	239.49	246.43	90.02	410.81	-6,912.02	1,627.85	1,142.72	485.12	3.356		
15,326.57	7,091.35	7,108.35	7,108.35	240.24	246.43	90.03	410.81	-6,912.02	1,631.34	1,145.81	485.53	3.360		
15,400.00	7,091.60	7,108.60	7,108.60	242.30	246.44	90.04	410.81	-6,912.02	1,643.51	1,157.20	486.31	3.380		
15,500.00	7,091.96	7,108.96	7,108.96	245.12	246.45	90.05	410.81	-6,912.02	1,665.17	1,178.52	486.65	3.422		
15,600.00	7,092.31	7,109.31	7,109.31	247.93	246.46	90.06	410.81	-6,912.02	1,692.46	1,206.26	486.20	3.481		
15,700.00	7,092.66	7,109.66	7,109.66	250.75	246.47	90.08	410.81	-6,912.02	1,725.13	1,240.10	485.04	3.557		
15,800.00	7,093.01	7,110.01	7,110.01	253.56	246.49	90.09	410.81	-6,912.02	1,762.88	1,279.63	483.25	3.648		
15,900.00	7,093.36	7,110.36	7,110.36	256.38	246.50	90.10	410.81	-6,912.02	1,805.38	1,324.44	480.94	3.754		
16,000.00	7,093.71	7,110.71	7,110.71	259.20	246.51	90.11	410.81	-6,912.02	1,852.30	1,374.11	478.19	3.874		
16,100.00	7,094.07	7,111.07	7,111.07	262.02	246.52	90.13	410.81	-6,912.02	1,903.33	1,428.23	475.10	4.006		
16,200.00	7,094.42	7,111.42	7,111.42	264.84	246.54	90.14	410.81	-6,912.02	1,958.14	1,486.39	471.75	4.151		
16,300.00	7,094.77	7,111.77	7,111.77	267.65	246.55	90.15	410.81	-6,912.02	2,016.43	1,548.21	468.22	4.307		
16,400.00	7,095.12	7,112.12	7,112.12	270.47	246.56	90.16	410.81	-6,912.02	2,077.89	1,613.33	464.56	4.473		
16,500.00	7,095.47	7,112.47	7,112.47	273.30	246.57	90.18	410.81	-6,912.02	2,142.26	1,681.42	460.84	4.649		
16,600.00	7,095.82	7,112.82	7,112.82	276.12	246.59	90.19	410.81	-6,912.02	2,209.28	1,752.19	457.09	4.833		
16,700.00	7,096.18	7,113.18	7,113.18	278.94	246.60	90.20	410.81	-6,912.02	2,278.72	1,825.36	453.36	5.026		
16,800.00	7,096.53	7,113.53	7,113.53	281.76	246.61	90.21	410.81	-6,912.02	2,350.36	1,900.70	449.66	5.227		
16,900.00	7,096.88	7,113.88	7,113.88	284.58	246.62	90.23	410.81	-6,912.02	2,424.02	1,977.98	446.03	5.435		
17,000.00	7,097.23	7,114.23	7,114.23	287.41	246.63	90.24	410.81	-6,912.02	2,499.50	2,057.02	442.48	5.649		
17,100.00	7,097.58	7,114.58	7,114.58	290.23	246.65	90.25	410.81	-6,912.02	2,576.65	2,137.63	439.03	5.869		
17,200.00	7,097.93	7,114.93	7,114.93	293.06	246.66	90.26	410.81	-6,912.02	2,655.33	2,219.66	435.67	6.095		
17,300.00	7,098.29	7,115.29	7,115.29	295.88	246.67	90.28	410.81	-6,912.02	2,735.40	2,302.98	432.42	6.326		
17,400.00	7,098.64	7,115.64	7,115.64	298.71	246.68	90.29	410.81	-6,912.02	2,816.75	2,387.46	429.29	6.561		
17,500.00	7,098.99	7,115.99	7,115.99	301.53	246.70	90.30	410.81	-6,912.02	2,899.26	2,473.00	426.26	6.802		
17,600.00	7,099.34	7,116.34	7,116.34	304.36	246.71	90.31	410.81	-6,912.02	2,982.85	2,559.50	423.35	7.046		
17,700.00	7,099.69	7,116.69	7,116.69	307.19	246.72	90.33	410.81	-6,912.02	3,067.41	2,646.86	420.55	7.294		
17,800.00	7,100.04	7,117.04	7,117.04	310.01	246.73	90.34	410.81	-6,912.02	3,152.88	2,735.03	417.85	7.545		
17,900.00	7,100.40	7,117.40	7,117.40	312.84	246.75	90.35	410.81	-6,912.02	3,239.18	2,823.92	415.27	7.800		
18,000.00	7,100.75	7,117.75	7,117.75	315.67	246.76	90.36	410.81	-6,912.02	3,326.25	2,913.47	412.78	8.058		
18,100.00	7,101.10	7,118.10	7,118.10	318.50	246.77	90.38	410.81	-6,912.02	3,414.03	3,003.63	410.40	8.319		
18,200.00	7,101.45	7,118.45	7,118.45	321.33	246.78	90.39	410.81	-6,912.02	3,502.46	3,094.35	408.11	8.582		
18,300.00	7,101.80	7,118.80	7,118.80	324.16	246.79	90.40	410.81	-6,912.02	3,591.50	3,185.59	405.91	8.848		
18,400.00	7,102.16	7,119.16	7,119.16	326.99	246.81	90.41	410.81	-6,912.02	3,681.10	3,277.30	403.80	9.116		
18,500.00	7,102.51	7,119.51	7,119.51	329.82	246.82	90.43	410.81	-6,912.02	3,771.23	3,369.45	401.77	9.386		
18,600.00	7,102.86	7,119.86	7,119.86	332.65	246.83	90.44	410.81	-6,912.02	3,861.84	3,462.01	399.83	9.659		
18,700.00	7,103.21	7,120.21	7,120.21	335.48	246.84	90.45	410.81	-6,912.02	3,952.90	3,554.94	397.96	9.933		
18,800.00	7,103.56	7,120.56	7,120.56	338.31	246.86	90.46	410.81	-6,912.02	4,044.39	3,648.22	396.17	10.209		
18,900.00	7,103.91	7,120.91	7,120.91	341.14	246.87	90.48	410.81	-6,912.02	4,136.27	3,741.82	394.45	10.486		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design	Falken 9-11 PAD - Montera #10-33(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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	7,121.00	7,121.00	341.83	246.87	90.48	410.81	-6,912.02	4,158.85	3,764.81	394.04	10.554	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	4.00	3.28	3.28	-100.02	-1,284.93	-7,269.59	7,382.28					
100.00	100.00	104.00	104.00	3.28	3.78	-100.02	-1,284.93	-7,269.59	7,382.28	7,375.21	7.07	1,044.489		
200.00	200.00	204.00	204.00	3.34	6.30	-100.02	-1,284.93	-7,269.59	7,382.28	7,372.64	9.63	766.213		
300.00	299.98	303.98	303.98	3.44	9.45	126.97	-1,284.93	-7,269.59	7,383.33	7,370.43	12.89	572.608		
400.00	399.84	403.84	403.84	3.59	12.78	126.95	-1,284.93	-7,269.59	7,386.48	7,370.10	16.37	451.134		
500.00	499.45	503.45	503.45	3.80	16.17	126.92	-1,284.93	-7,269.59	7,391.73	7,371.77	19.96	370.336		
600.00	598.70	602.70	602.70	4.04	19.57	126.88	-1,284.93	-7,269.59	7,399.08	7,375.47	23.61	313.392		
700.00	697.47	701.47	701.47	4.32	22.98	126.82	-1,284.93	-7,269.59	7,408.54	7,381.24	27.30	271.365		
800.00	795.62	800.38	799.62	4.65	26.40	126.75	-1,284.93	-7,269.59	7,420.10	7,389.05	31.05	239.008		
900.00	893.06	902.94	897.06	5.02	29.96	126.67	-1,284.93	-7,269.59	7,433.77	7,398.81	34.96	212.644		
993.00	982.91	986.91	986.91	5.39	32.87	126.58	-1,284.93	-7,269.59	7,448.38	7,410.15	38.24	194.797		
1,000.00	989.65	1,006.35	993.65	5.42	33.55	126.59	-1,284.93	-7,269.59	7,449.55	7,410.61	38.94	191.297		
1,100.00	1,085.84	1,089.84	1,089.84	5.86	36.45	126.75	-1,284.93	-7,269.59	7,466.28	7,424.02	42.26	176.686		
1,200.00	1,182.03	1,186.03	1,186.03	6.32	39.79	126.92	-1,284.93	-7,269.59	7,483.07	7,437.03	46.04	162.546		
1,300.00	1,278.22	1,282.22	1,282.22	6.79	43.14	127.08	-1,284.93	-7,269.59	7,499.92	7,450.09	49.83	150.499		
1,400.00	1,374.42	1,378.42	1,378.42	7.28	46.49	127.24	-1,284.93	-7,269.59	7,516.83	7,463.19	53.65	140.121		
1,500.00	1,470.61	1,474.61	1,474.61	7.79	49.84	127.40	-1,284.93	-7,269.59	7,533.81	7,476.34	57.47	131.095		
1,600.00	1,566.80	1,570.80	1,570.80	8.30	53.19	127.56	-1,284.93	-7,269.59	7,550.85	7,489.54	61.30	123.177		
1,700.00	1,663.00	1,667.00	1,667.00	8.82	56.54	127.72	-1,284.93	-7,269.59	7,567.94	7,502.80	65.14	116.177		
1,800.00	1,759.19	1,763.19	1,763.19	9.34	59.90	127.88	-1,284.93	-7,269.59	7,585.10	7,516.11	68.99	109.948		
1,900.00	1,855.38	1,859.38	1,859.38	9.87	63.25	128.04	-1,284.93	-7,269.59	7,602.31	7,529.47	72.84	104.370		
2,000.00	1,951.58	1,955.58	1,955.58	10.41	66.60	128.20	-1,284.93	-7,269.59	7,619.59	7,542.89	76.70	99.347		
2,100.00	2,047.77	2,051.77	2,051.77	10.95	69.96	128.36	-1,284.93	-7,269.59	7,636.92	7,556.36	80.56	94.801		
2,200.00	2,143.96	2,147.96	2,147.96	11.49	73.31	128.51	-1,284.93	-7,269.59	7,654.31	7,569.89	84.42	90.668		
2,300.00	2,240.16	2,244.16	2,244.16	12.04	76.67	128.67	-1,284.93	-7,269.59	7,671.76	7,583.47	88.29	86.895		
2,400.00	2,336.35	2,340.35	2,340.35	12.58	80.02	128.83	-1,284.93	-7,269.59	7,689.27	7,597.11	92.16	83.437		
2,500.00	2,432.54	2,436.54	2,436.54	13.13	83.38	128.98	-1,284.93	-7,269.59	7,706.83	7,610.81	96.03	80.257		
2,600.00	2,528.74	2,532.74	2,532.74	13.69	86.73	129.13	-1,284.93	-7,269.59	7,724.45	7,624.56	99.90	77.323		
2,700.00	2,624.93	2,628.93	2,628.93	14.24	90.09	129.29	-1,284.93	-7,269.59	7,742.13	7,638.36	103.77	74.606		
2,800.00	2,721.12	2,725.12	2,725.12	14.80	93.45	129.44	-1,284.93	-7,269.59	7,759.86	7,652.22	107.65	72.086		
2,900.00	2,817.32	2,821.32	2,821.32	15.35	96.80	129.59	-1,284.93	-7,269.59	7,777.65	7,666.13	111.52	69.740		
3,000.00	2,913.51	2,917.51	2,917.51	15.91	100.16	129.74	-1,284.93	-7,269.59	7,795.50	7,680.10	115.40	67.551		
3,100.00	3,009.70	3,013.70	3,013.70	16.47	103.52	129.89	-1,284.93	-7,269.59	7,813.40	7,694.12	119.28	65.505		
3,200.00	3,105.90	3,109.90	3,109.90	17.03	106.87	130.04	-1,284.93	-7,269.59	7,831.35	7,708.19	123.16	63.588		
3,300.00	3,202.09	3,206.09	3,206.09	17.59	110.23	130.19	-1,284.93	-7,269.59	7,849.36	7,722.32	127.04	61.788		
3,400.00	3,298.28	3,302.28	3,302.28	18.15	113.58	130.34	-1,284.93	-7,269.59	7,867.42	7,736.50	130.92	60.095		
3,500.00	3,394.48	3,401.52	3,398.48	18.72	117.05	130.49	-1,284.93	-7,269.59	7,885.53	7,750.63	134.90	58.454		
3,600.00	3,490.67	3,505.33	3,494.67	19.28	120.67	130.64	-1,284.93	-7,269.59	7,903.70	7,764.65	139.05	56.842		
3,700.00	3,586.86	3,609.14	3,590.86	19.84	124.29	130.78	-1,284.93	-7,269.59	7,921.92	7,778.73	143.19	55.323		
3,800.00	3,683.06	3,687.06	3,687.06	20.41	127.01	130.93	-1,284.93	-7,269.59	7,940.19	7,793.76	146.44	54.223		
3,900.00	3,779.25	3,783.25	3,783.25	20.97	130.37	131.08	-1,284.93	-7,269.59	7,958.52	7,808.20	150.32	52.945		
4,000.00	3,875.44	3,879.44	3,879.44	21.54	133.73	131.22	-1,284.93	-7,269.59	7,976.89	7,822.70	154.20	51.731		
4,100.00	3,971.64	3,975.64	3,975.64	22.11	137.08	131.36	-1,284.93	-7,269.59	7,995.32	7,837.24	158.08	50.578		
4,200.00	4,067.83	4,071.83	4,071.83	22.67	140.44	131.51	-1,284.93	-7,269.59	8,013.80	7,851.84	161.96	49.480		
4,300.00	4,164.02	4,168.02	4,168.02	23.24	143.80	131.65	-1,284.93	-7,269.59	8,032.33	7,866.49	165.84	48.434		
4,400.00	4,260.22	4,264.22	4,264.22	23.81	147.16	131.79	-1,284.93	-7,269.59	8,050.91	7,881.18	169.72	47.436		
4,500.00	4,356.41	4,360.41	4,360.41	24.37	150.51	131.94	-1,284.93	-7,269.59	8,069.53	7,895.93	173.60	46.483		
4,600.00	4,452.60	4,456.60	4,456.60	24.94	153.87	132.08	-1,284.93	-7,269.59	8,088.21	7,910.73	177.48	45.572		
4,700.00	4,548.79	4,552.79	4,552.79	25.51	157.23	132.22	-1,284.93	-7,269.59	8,106.94	7,925.57	181.36	44.700		
4,800.00	4,644.99	4,648.99	4,648.99	26.08	160.58	132.36	-1,284.93	-7,269.59	8,125.71	7,940.47	185.25	43.865		
4,900.00	4,741.18	4,745.18	4,745.18	26.65	163.94	132.50	-1,284.93	-7,269.59	8,144.54	7,955.41	189.13	43.064		
5,000.00	4,837.37	4,841.37	4,841.37	27.21	167.30	132.63	-1,284.93	-7,269.59	8,163.41	7,970.40	193.01	42.296		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,937.57	4,937.57	27.78	170.66	132.77	-1,284.93	-7,269.59	8,182.33	7,985.44	196.89	41.559		
5,200.00	5,029.76	5,033.76	5,033.76	28.35	174.01	132.91	-1,284.93	-7,269.59	8,201.30	8,000.53	200.77	40.850		
5,300.00	5,125.95	5,129.95	5,129.95	28.92	177.37	133.05	-1,284.93	-7,269.59	8,220.31	8,015.67	204.65	40.168		
5,400.00	5,222.15	5,226.15	5,226.15	29.49	180.73	133.18	-1,284.93	-7,269.59	8,239.37	8,030.85	208.53	39.512		
5,500.00	5,318.34	5,322.34	5,322.34	30.06	184.09	133.32	-1,284.93	-7,269.59	8,258.48	8,046.07	212.41	38.881		
5,600.00	5,414.53	5,418.53	5,418.53	30.63	187.44	133.45	-1,284.93	-7,269.59	8,277.63	8,061.35	216.29	38.272		
5,700.00	5,510.73	5,514.73	5,514.73	31.20	190.80	133.59	-1,284.93	-7,269.59	8,296.83	8,076.67	220.16	37.685		
5,800.00	5,606.92	5,610.92	5,610.92	31.77	194.16	133.72	-1,284.93	-7,269.59	8,316.08	8,092.03	224.04	37.118		
5,900.00	5,703.11	5,707.11	5,707.11	32.34	197.52	133.85	-1,284.93	-7,269.59	8,335.37	8,107.45	227.92	36.571		
6,000.00	5,799.31	5,803.31	5,803.31	32.91	200.88	133.99	-1,284.93	-7,269.59	8,354.70	8,122.90	231.80	36.043		
6,100.00	5,895.50	5,900.50	5,899.50	33.48	204.27	134.12	-1,284.93	-7,269.59	8,374.08	8,138.37	235.71	35.526		
6,200.00	5,991.69	6,004.31	5,995.69	34.05	207.89	134.25	-1,284.93	-7,269.59	8,393.51	8,153.65	239.86	34.994		
6,300.00	6,087.89	6,108.11	6,091.89	34.62	211.51	134.38	-1,284.93	-7,269.59	8,412.97	8,168.97	244.00	34.479		
6,400.00	6,184.08	6,188.08	6,188.08	35.19	214.31	134.51	-1,284.93	-7,269.59	8,432.49	8,185.17	247.31	34.096		
6,500.00	6,280.27	6,284.27	6,284.27	35.77	217.66	134.64	-1,284.93	-7,269.59	8,452.04	8,200.85	251.19	33.648		
6,535.30	6,314.23	6,318.23	6,318.23	35.97	218.85	134.69	-1,284.93	-7,269.59	8,458.95	8,206.39	252.56	33.493		
6,550.00	6,328.40	6,332.40	6,332.40	36.05	219.34	131.28	-1,284.93	-7,269.59	8,461.67	8,208.54	253.13	33.428		
6,600.00	6,377.01	6,381.01	6,381.01	36.31	221.04	116.14	-1,284.93	-7,269.59	8,468.40	8,213.32	255.07	33.200		
6,650.00	6,426.00	6,430.00	6,430.00	36.54	222.75	95.20	-1,284.93	-7,269.59	8,471.23	8,214.22	257.01	32.961		
6,700.00	6,475.08	6,479.08	6,479.08	36.73	224.46	72.38	-1,284.93	-7,269.59	8,470.15	8,211.23	258.93	32.713		
6,750.00	6,523.94	6,527.94	6,527.94	36.90	226.17	53.81	-1,284.93	-7,269.59	8,465.17	8,204.36	260.80	32.458		
6,800.00	6,572.28	6,576.28	6,576.28	37.05	227.86	41.06	-1,284.93	-7,269.59	8,456.31	8,193.67	262.63	32.198		
6,850.00	6,619.81	6,623.81	6,623.81	37.19	229.52	32.60	-1,284.93	-7,269.59	8,443.62	8,179.21	264.41	31.934		
6,900.00	6,666.23	6,670.23	6,670.23	37.32	231.14	26.85	-1,284.93	-7,269.59	8,427.19	8,161.07	266.12	31.666		
6,950.00	6,711.25	6,715.25	6,715.25	37.46	232.71	22.79	-1,284.93	-7,269.59	8,407.12	8,139.35	267.77	31.397		
7,000.00	6,754.60	6,758.60	6,758.60	37.61	234.22	19.82	-1,284.93	-7,269.59	8,383.53	8,114.19	269.34	31.126		
7,050.00	6,796.01	6,800.01	6,800.01	37.77	235.67	17.57	-1,284.93	-7,269.59	8,356.56	8,085.73	270.82	30.856		
7,100.00	6,835.22	6,839.22	6,839.22	37.94	237.03	15.82	-1,284.93	-7,269.59	8,326.37	8,054.15	272.22	30.587		
7,150.00	6,871.99	6,875.99	6,875.99	38.12	238.32	14.43	-1,284.93	-7,269.59	8,293.16	8,019.65	273.51	30.321		
7,200.00	6,906.10	6,910.10	6,910.10	38.34	239.51	13.31	-1,284.93	-7,269.59	8,257.13	7,982.42	274.71	30.058		
7,250.00	6,937.34	6,941.34	6,941.34	38.57	240.60	12.38	-1,284.93	-7,269.59	8,218.49	7,942.70	275.79	29.800		
7,300.00	6,965.51	6,969.51	6,969.51	38.84	241.58	11.59	-1,284.93	-7,269.59	8,177.49	7,900.73	276.76	29.547		
7,350.00	6,990.44	7,005.56	6,994.44	39.14	242.84	10.90	-1,284.93	-7,269.59	8,134.37	7,856.37	278.00	29.260		
7,400.00	7,011.97	7,015.97	7,015.97	39.47	243.20	10.26	-1,284.93	-7,269.59	8,089.40	7,811.06	278.34	29.063		
7,450.00	7,029.98	7,033.98	7,033.98	39.85	243.83	9.61	-1,284.93	-7,269.59	8,042.87	7,763.92	278.95	28.833		
7,500.00	7,044.34	7,048.34	7,048.34	40.26	244.33	8.84	-1,284.93	-7,269.59	7,995.04	7,715.61	279.43	28.612		
7,550.00	7,054.99	7,058.99	7,058.99	40.72	244.71	7.66	-1,284.93	-7,269.59	7,946.22	7,666.44	279.78	28.401		
7,600.00	7,061.83	7,065.83	7,065.83	41.21	244.95	4.93	-1,284.93	-7,269.59	7,896.71	7,616.70	280.01	28.201		
7,650.00	7,064.85	7,068.85	7,068.85	41.73	245.05	-16.34	-1,284.93	-7,269.59	7,846.82	7,566.71	280.11	28.013		
7,661.89	7,065.00	7,069.00	7,069.00	41.86	245.06	-70.91	-1,284.93	-7,269.59	7,834.93	7,554.81	280.12	27.970		
7,700.00	7,065.13	7,069.13	7,069.13	42.28	245.06	-70.99	-1,284.93	-7,269.59	7,796.82	7,516.70	280.12	27.834		
7,800.00	7,065.47	7,069.47	7,069.47	43.53	245.07	-71.22	-1,284.93	-7,269.59	7,696.83	7,416.69	280.13	27.475		
7,900.00	7,065.82	7,069.82	7,069.82	44.94	245.08	-71.45	-1,284.93	-7,269.59	7,596.83	7,316.68	280.15	27.117		
8,000.00	7,066.16	7,070.16	7,070.16	46.50	245.10	-71.68	-1,284.93	-7,269.59	7,496.84	7,216.67	280.16	26.759		
8,100.00	7,066.50	7,070.50	7,070.50	48.19	245.11	-71.90	-1,284.93	-7,269.59	7,396.84	7,116.66	280.18	26.400		
8,200.00	7,066.85	7,070.85	7,070.85	50.00	245.12	-72.13	-1,284.93	-7,269.59	7,296.85	7,016.65	280.20	26.042		
8,300.00	7,067.19	7,071.19	7,071.19	51.91	245.13	-72.36	-1,284.93	-7,269.59	7,196.86	6,916.64	280.22	25.683		
8,400.00	7,067.54	7,071.54	7,071.54	53.92	245.14	-72.59	-1,284.93	-7,269.59	7,096.86	6,816.62	280.24	25.324		
8,500.00	7,067.88	7,071.88	7,071.88	56.01	245.16	-72.82	-1,284.93	-7,269.59	6,996.87	6,716.61	280.26	24.966		
8,600.00	7,068.22	7,072.22	7,072.22	58.16	245.17	-73.06	-1,284.93	-7,269.59	6,896.88	6,616.59	280.28	24.607		
8,700.00	7,068.57	7,072.57	7,072.57	60.38	245.18	-73.29	-1,284.93	-7,269.59	6,796.88	6,516.58	280.31	24.248		
8,800.00	7,068.91	7,072.91	7,072.91	62.65	245.19	-73.52	-1,284.93	-7,269.59	6,696.89	6,416.56	280.33	23.889		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,073.25	7,073.25	64.97	245.20	-73.75	-1,284.93	-7,269.59	6,596.90	6,316.54	280.36	23.530		
9,000.00	7,069.60	7,073.60	7,073.60	67.34	245.22	-73.99	-1,284.93	-7,269.59	6,496.91	6,216.52	280.38	23.171		
9,100.00	7,069.94	7,073.94	7,073.94	69.74	245.23	-74.22	-1,284.93	-7,269.59	6,396.91	6,116.50	280.41	22.813		
9,200.00	7,070.28	7,074.28	7,074.28	72.18	245.24	-74.45	-1,284.93	-7,269.59	6,296.92	6,016.48	280.44	22.454		
9,300.00	7,070.63	7,074.63	7,074.63	74.65	245.25	-74.69	-1,284.93	-7,269.59	6,196.93	5,916.46	280.47	22.095		
9,400.00	7,070.97	7,074.97	7,074.97	77.15	245.26	-74.93	-1,284.93	-7,269.59	6,096.94	5,816.43	280.50	21.736		
9,500.00	7,071.32	7,075.32	7,075.32	79.67	245.28	-75.16	-1,284.93	-7,269.59	5,996.95	5,716.41	280.54	21.377		
9,600.00	7,071.66	7,075.66	7,075.66	82.22	245.29	-75.40	-1,284.93	-7,269.59	5,896.96	5,616.38	280.57	21.018		
9,700.00	7,072.00	7,076.00	7,076.00	84.78	245.30	-75.64	-1,284.93	-7,269.59	5,796.97	5,516.36	280.61	20.659		
9,800.00	7,072.35	7,076.35	7,076.35	87.37	245.31	-75.87	-1,284.93	-7,269.59	5,696.98	5,416.33	280.65	20.300		
9,900.00	7,072.69	7,076.69	7,076.69	89.97	245.32	-76.11	-1,284.93	-7,269.59	5,596.99	5,316.30	280.68	19.941		
10,000.00	7,073.03	7,077.03	7,077.03	92.59	245.34	-76.35	-1,284.93	-7,269.59	5,497.00	5,216.27	280.72	19.581		
10,100.00	7,073.38	7,077.38	7,077.38	95.22	245.35	-76.59	-1,284.93	-7,269.59	5,397.01	5,116.24	280.77	19.222		
10,200.00	7,073.72	7,077.72	7,077.72	97.86	245.36	-76.83	-1,284.93	-7,269.59	5,297.02	5,016.21	280.81	18.863		
10,300.00	7,074.07	7,078.07	7,078.07	100.52	245.37	-77.07	-1,284.93	-7,269.59	5,197.03	4,916.18	280.85	18.505		
10,400.00	7,074.41	7,078.41	7,078.41	103.19	245.38	-77.31	-1,284.93	-7,269.59	5,097.04	4,816.15	280.90	18.146		
10,500.00	7,074.75	7,078.75	7,078.75	105.87	245.40	-77.55	-1,284.93	-7,269.59	4,997.05	4,716.11	280.94	17.787		
10,600.00	7,075.10	7,079.10	7,079.10	108.55	245.41	-77.79	-1,284.93	-7,269.59	4,897.07	4,616.08	280.99	17.428		
10,700.00	7,075.44	7,079.44	7,079.44	111.25	245.42	-78.04	-1,284.93	-7,269.59	4,797.08	4,516.04	281.04	17.069		
10,800.00	7,075.78	7,079.78	7,079.78	113.96	245.43	-78.28	-1,284.93	-7,269.59	4,697.10	4,416.00	281.09	16.710		
10,900.00	7,076.13	7,080.13	7,080.13	116.67	245.44	-78.52	-1,284.93	-7,269.59	4,597.11	4,315.96	281.15	16.351		
11,000.00	7,076.47	7,080.47	7,080.47	119.39	245.46	-78.76	-1,284.93	-7,269.59	4,497.13	4,215.92	281.20	15.993		
11,100.00	7,076.81	7,080.81	7,080.81	122.11	245.47	-79.01	-1,284.93	-7,269.59	4,397.14	4,115.88	281.26	15.634		
11,200.00	7,077.16	7,081.16	7,081.16	124.85	245.48	-79.25	-1,284.93	-7,269.59	4,297.16	4,015.84	281.32	15.275		
11,300.00	7,077.50	7,081.50	7,081.50	127.58	245.49	-79.50	-1,284.93	-7,269.59	4,197.18	3,915.80	281.38	14.917		
11,400.00	7,077.85	7,081.85	7,081.85	130.33	245.50	-79.74	-1,284.93	-7,269.59	4,097.19	3,815.75	281.44	14.558		
11,500.00	7,078.19	7,082.19	7,082.19	133.08	245.52	-79.99	-1,284.93	-7,269.59	3,997.21	3,715.71	281.50	14.200		
11,600.00	7,078.53	7,082.53	7,082.53	135.83	245.53	-80.23	-1,284.93	-7,269.59	3,897.23	3,615.66	281.57	13.841		
11,700.00	7,078.88	7,082.88	7,082.88	138.59	245.54	-80.48	-1,284.93	-7,269.59	3,797.25	3,515.61	281.64	13.483		
11,800.00	7,079.22	7,083.22	7,083.22	141.35	245.55	-80.73	-1,284.93	-7,269.59	3,697.28	3,415.57	281.71	13.124		
11,900.00	7,079.56	7,083.56	7,083.56	144.11	245.56	-80.97	-1,284.93	-7,269.59	3,597.30	3,315.52	281.78	12.766		
12,000.00	7,079.91	7,083.91	7,083.91	146.88	245.58	-81.22	-1,284.93	-7,269.59	3,497.32	3,215.46	281.86	12.408		
12,100.00	7,080.25	7,084.25	7,084.25	149.66	245.59	-81.47	-1,284.93	-7,269.59	3,397.35	3,115.41	281.94	12.050		
12,200.00	7,080.60	7,084.60	7,084.60	152.43	245.60	-81.71	-1,284.93	-7,269.59	3,297.38	3,015.36	282.02	11.692		
12,300.00	7,080.94	7,084.94	7,084.94	155.21	245.61	-81.96	-1,284.93	-7,269.59	3,197.41	2,915.30	282.11	11.334		
12,400.00	7,081.28	7,085.28	7,085.28	157.99	245.62	-82.21	-1,284.93	-7,269.59	3,097.44	2,815.24	282.20	10.976		
12,500.00	7,081.63	7,085.63	7,085.63	160.78	245.64	-82.46	-1,284.93	-7,269.59	2,997.47	2,715.18	282.29	10.618		
12,600.00	7,081.97	7,085.97	7,085.97	163.57	245.65	-82.71	-1,284.93	-7,269.59	2,897.51	2,615.12	282.39	10.261		
12,700.00	7,082.31	7,086.31	7,086.31	166.36	245.66	-82.96	-1,284.93	-7,269.59	2,797.54	2,515.05	282.49	9.903		
12,800.00	7,082.66	7,086.66	7,086.66	169.15	245.67	-83.21	-1,284.93	-7,269.59	2,697.58	2,414.98	282.60	9.546		
12,900.00	7,083.00	7,087.00	7,087.00	171.94	245.68	-83.46	-1,284.93	-7,269.59	2,597.63	2,314.91	282.72	9.188		
13,000.00	7,083.35	7,087.35	7,087.35	174.74	245.70	-83.71	-1,284.93	-7,269.59	2,497.68	2,214.84	282.84	8.831		
13,100.00	7,083.69	7,087.69	7,087.69	177.54	245.71	-83.96	-1,284.93	-7,269.59	2,397.73	2,114.76	282.97	8.473		
13,200.00	7,084.03	7,088.03	7,088.03	180.34	245.72	-84.21	-1,284.93	-7,269.59	2,297.78	2,014.67	283.11	8.116		
13,300.00	7,084.38	7,088.38	7,088.38	183.14	245.73	-84.46	-1,284.93	-7,269.59	2,197.84	1,914.58	283.26	7.759		
13,400.00	7,084.72	7,088.72	7,088.72	185.95	245.74	-84.71	-1,284.93	-7,269.59	2,097.91	1,814.48	283.43	7.402		
13,500.00	7,085.06	7,089.06	7,089.06	188.76	245.76	-84.96	-1,284.93	-7,269.59	1,997.98	1,714.37	283.61	7.045		
13,600.00	7,085.41	7,089.41	7,089.41	191.56	245.77	-85.21	-1,284.93	-7,269.59	1,898.06	1,614.26	283.81	6.688		
13,700.00	7,085.75	7,089.75	7,089.75	194.37	245.78	-85.46	-1,284.93	-7,269.59	1,798.15	1,514.13	284.03	6.331		
13,800.00	7,086.09	7,109.91	7,109.91	197.18	246.48	-85.71	-1,284.93	-7,269.59	1,698.25	1,413.29	284.96	5.960		
13,900.00	7,086.44	7,109.56	7,109.56	200.00	246.47	-85.97	-1,284.93	-7,269.59	1,598.36	1,313.14	285.22	5.604		
14,000.00	7,086.78	7,109.22	7,109.22	202.81	246.46	-86.22	-1,284.93	-7,269.59	1,498.49	1,212.97	285.52	5.248		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,108.87	7,091.13	205.63	246.45	-86.47	-1,284.93	-7,269.59	1,398.64	1,112.76	285.87	4.893		
14,200.00	7,087.47	7,108.53	7,091.47	208.44	246.44	-86.72	-1,284.93	-7,269.59	1,298.80	1,012.51	286.29	4.537		
14,300.00	7,087.81	7,108.19	7,091.81	211.26	246.42	-86.97	-1,284.93	-7,269.59	1,199.00	912.19	286.81	4.181		
14,400.00	7,088.16	7,107.84	7,092.16	214.08	246.41	-87.23	-1,284.93	-7,269.59	1,099.23	811.79	287.44	3.824		
14,500.00	7,088.50	7,107.50	7,092.50	216.90	246.40	-87.48	-1,284.93	-7,269.59	999.51	711.26	288.25	3.468		
14,600.00	7,088.84	7,107.16	7,092.84	219.72	246.39	-87.73	-1,284.93	-7,269.59	899.84	610.55	289.29	3.111		
14,700.00	7,089.19	7,106.81	7,093.19	222.54	246.38	-87.98	-1,284.93	-7,269.59	800.26	509.58	290.69	2.753		
14,800.00	7,089.53	7,106.47	7,093.53	225.37	246.36	-88.24	-1,284.93	-7,269.59	700.81	408.19	292.62	2.395		
14,900.00	7,089.88	7,106.13	7,093.88	228.19	246.35	-88.49	-1,284.93	-7,269.59	601.53	306.12	295.41	2.036		
15,000.00	7,090.22	7,105.78	7,094.22	231.02	246.34	-88.74	-1,284.93	-7,269.59	502.53	202.90	299.64	1.677		
15,100.00	7,090.56	7,105.44	7,094.56	233.84	246.33	-89.00	-1,284.93	-7,269.59	404.04	97.53	306.51	1.318	Level 3	
15,200.00	7,090.91	7,105.09	7,094.91	236.67	246.32	-89.25	-1,284.93	-7,269.59	306.51	-12.19	318.71	0.962	Level 1	
15,227.29	7,091.00	7,105.00	7,095.00	237.44	246.31	-89.32	-1,284.93	-7,269.59	280.20	-43.50	323.70	0.866	Level 1	
15,300.00	7,091.25	7,104.75	7,095.25	239.49	246.30	-89.45	-1,284.93	-7,269.59	210.99	-131.59	342.58	0.616	Level 1	
15,326.57	7,091.35	7,104.65	7,095.35	240.24	246.30	-89.50	-1,284.93	-7,269.59	186.18	-166.34	352.52	0.528	Level 1	
15,400.00	7,091.60	7,104.40	7,095.60	242.30	246.29	-89.72	-1,284.93	-7,269.59	121.36	-276.72	398.08	0.305	Level 1	
15,499.03	7,091.95	7,104.05	7,095.95	245.09	246.28	-90.00	-1,284.93	-7,269.59	70.14	-420.99	491.13	0.143	Level 1, CC, ES, SF	
15,500.00	7,091.96	7,104.04	7,095.96	245.12	246.28	-90.00	-1,284.93	-7,269.59	70.15	-420.84	490.99	0.143	Level 1	
15,600.00	7,092.31	7,103.69	7,096.31	247.93	246.27	-90.29	-1,284.93	-7,269.59	122.94	-259.50	382.44	0.321	Level 1	
15,700.00	7,092.66	7,103.34	7,096.66	250.75	246.25	-90.58	-1,284.93	-7,269.59	212.86	-114.28	327.14	0.651	Level 1	
15,800.00	7,093.01	7,102.99	7,097.01	253.56	246.24	-90.86	-1,284.93	-7,269.59	309.03	2.82	306.21	1.009	Level 2	
15,900.00	7,093.36	7,102.64	7,097.36	256.38	246.23	-91.15	-1,284.93	-7,269.59	407.05	110.37	296.68	1.372	Level 3	
16,000.00	7,093.71	7,102.29	7,097.71	259.20	246.22	-91.44	-1,284.93	-7,269.59	505.85	214.05	291.80	1.734		
16,100.00	7,094.07	7,101.93	7,098.07	262.02	246.21	-91.73	-1,284.93	-7,269.59	605.04	315.94	289.10	2.093		
16,200.00	7,094.42	7,101.58	7,098.42	264.84	246.19	-92.01	-1,284.93	-7,269.59	704.46	416.94	287.52	2.450		
16,300.00	7,094.77	7,101.23	7,098.77	267.65	246.18	-92.30	-1,284.93	-7,269.59	804.03	517.45	286.57	2.806		
16,400.00	7,095.12	7,100.88	7,099.12	270.47	246.17	-92.59	-1,284.93	-7,269.59	903.69	617.70	285.99	3.160		
16,500.00	7,095.47	7,100.53	7,099.47	273.30	246.16	-92.87	-1,284.93	-7,269.59	1,003.42	717.79	285.63	3.513		
16,600.00	7,095.82	7,100.18	7,099.82	276.12	246.14	-93.16	-1,284.93	-7,269.59	1,103.19	817.78	285.41	3.865		
16,700.00	7,096.18	7,100.18	7,100.18	278.94	246.14	-93.45	-1,284.93	-7,269.59	1,203.01	917.71	285.30	4.217		
16,800.00	7,096.53	7,100.53	7,100.53	281.76	246.16	-93.73	-1,284.93	-7,269.59	1,302.85	1,017.59	285.26	4.567		
16,900.00	7,096.88	7,100.88	7,100.88	284.58	246.17	-94.02	-1,284.93	-7,269.59	1,402.71	1,117.45	285.27	4.917		
17,000.00	7,097.23	7,101.23	7,101.23	287.41	246.18	-94.30	-1,284.93	-7,269.59	1,502.60	1,217.29	285.30	5.267		
17,100.00	7,097.58	7,101.58	7,101.58	290.23	246.19	-94.59	-1,284.93	-7,269.59	1,602.49	1,317.13	285.36	5.616		
17,200.00	7,097.93	7,101.93	7,101.93	293.06	246.21	-94.88	-1,284.93	-7,269.59	1,702.40	1,416.96	285.44	5.964		
17,300.00	7,098.29	7,102.29	7,102.29	295.88	246.22	-95.16	-1,284.93	-7,269.59	1,802.32	1,516.80	285.52	6.312		
17,400.00	7,098.64	7,102.64	7,102.64	298.71	246.23	-95.45	-1,284.93	-7,269.59	1,902.25	1,616.63	285.62	6.660		
17,500.00	7,098.99	7,102.99	7,102.99	301.53	246.24	-95.73	-1,284.93	-7,269.59	2,002.18	1,716.46	285.72	7.007		
17,600.00	7,099.34	7,103.34	7,103.34	304.36	246.25	-96.01	-1,284.93	-7,269.59	2,102.13	1,816.30	285.83	7.354		
17,700.00	7,099.69	7,103.69	7,103.69	307.19	246.27	-96.30	-1,284.93	-7,269.59	2,202.07	1,916.13	285.94	7.701		
17,800.00	7,100.04	7,104.04	7,104.04	310.01	246.28	-96.58	-1,284.93	-7,269.59	2,302.02	2,015.97	286.05	8.048		
17,900.00	7,100.40	7,104.40	7,104.40	312.84	246.29	-96.86	-1,284.93	-7,269.59	2,401.98	2,115.81	286.17	8.394		
18,000.00	7,100.75	7,104.75	7,104.75	315.67	246.30	-97.15	-1,284.93	-7,269.59	2,501.94	2,215.65	286.29	8.739		
18,100.00	7,101.10	7,105.10	7,105.10	318.50	246.32	-97.43	-1,284.93	-7,269.59	2,601.90	2,315.49	286.41	9.085		
18,200.00	7,101.45	7,105.45	7,105.45	321.33	246.33	-97.71	-1,284.93	-7,269.59	2,701.86	2,415.33	286.53	9.430		
18,300.00	7,101.80	7,105.80	7,105.80	324.16	246.34	-97.99	-1,284.93	-7,269.59	2,801.83	2,515.18	286.65	9.774		
18,400.00	7,102.16	7,106.16	7,106.16	326.99	246.35	-98.28	-1,284.93	-7,269.59	2,901.80	2,615.03	286.77	10.119		
18,500.00	7,102.51	7,106.51	7,106.51	329.82	246.36	-98.56	-1,284.93	-7,269.59	3,001.77	2,714.88	286.89	10.463		
18,600.00	7,102.86	7,106.86	7,106.86	332.65	246.38	-98.84	-1,284.93	-7,269.59	3,101.74	2,814.73	287.01	10.807		
18,700.00	7,103.21	7,107.21	7,107.21	335.48	246.39	-99.12	-1,284.93	-7,269.59	3,201.72	2,914.58	287.14	11.150		
18,800.00	7,103.56	7,107.56	7,107.56	338.31	246.40	-99.40	-1,284.93	-7,269.59	3,301.69	3,014.43	287.26	11.494		
18,900.00	7,103.91	7,107.91	7,107.91	341.14	246.41	-99.68	-1,284.93	-7,269.59	3,401.67	3,114.28	287.39	11.837		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 #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	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)		
18,924.52	7,104.00	7,108.00	7,108.00	341.83	246.42	-99.75	-1,284.93	-7,269.59	3,426.18	3,138.76	287.42	11.921	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-86.99	293.53	-5,575.81	5,583.53					
100.00	100.00	110.00	110.00	3.28	3.89	-86.99	293.53	-5,575.81	5,583.53	5,576.35	7.18	778.035		
200.00	200.00	210.00	210.00	3.34	6.48	-86.99	293.53	-5,575.81	5,583.53	5,573.71	9.81	568.907		
300.00	299.98	309.98	309.98	3.44	9.65	140.01	293.53	-5,575.81	5,584.86	5,571.77	13.09	426.617		
400.00	399.84	409.84	409.84	3.59	12.98	139.99	293.53	-5,575.81	5,588.87	5,572.30	16.58	337.159		
500.00	499.45	509.45	509.45	3.80	16.37	139.96	293.53	-5,575.81	5,595.56	5,575.39	20.17	277.477		
600.00	598.70	608.70	608.70	4.04	19.78	139.92	293.53	-5,575.81	5,604.92	5,581.10	23.82	235.332		
700.00	697.47	707.47	707.47	4.32	23.19	139.87	293.53	-5,575.81	5,616.94	5,589.44	27.51	204.196		
800.00	795.62	805.62	805.62	4.65	26.58	139.80	293.53	-5,575.81	5,631.64	5,600.41	31.22	180.371		
900.00	893.06	903.06	903.06	5.02	29.96	139.72	293.53	-5,575.81	5,648.99	5,614.04	34.95	161.625		
993.00	982.91	1,007.09	992.91	5.39	33.57	139.63	293.53	-5,575.81	5,667.52	5,628.60	38.92	145.633		
1,000.00	989.65	1,000.35	999.65	5.42	33.34	139.64	293.53	-5,575.81	5,669.00	5,630.29	38.71	146.435		
1,100.00	1,085.84	1,104.16	1,095.84	5.86	36.95	139.82	293.53	-5,575.81	5,690.18	5,647.46	42.72	133.202		
1,200.00	1,182.03	1,207.97	1,192.03	6.32	40.56	139.99	293.53	-5,575.81	5,711.42	5,664.68	46.74	122.183		
1,300.00	1,278.22	1,288.22	1,288.22	6.79	43.35	140.16	293.53	-5,575.81	5,732.71	5,682.74	49.97	114.726		
1,400.00	1,374.42	1,384.42	1,384.42	7.28	46.70	140.33	293.53	-5,575.81	5,754.05	5,700.29	53.76	107.030		
1,500.00	1,470.61	1,480.61	1,480.61	7.79	50.05	140.51	293.53	-5,575.81	5,775.44	5,717.87	57.56	100.330		
1,600.00	1,566.80	1,576.80	1,576.80	8.30	53.40	140.67	293.53	-5,575.81	5,796.88	5,735.50	61.38	94.448		
1,700.00	1,663.00	1,673.00	1,673.00	8.82	56.75	140.84	293.53	-5,575.81	5,818.37	5,753.17	65.20	89.244		
1,800.00	1,759.19	1,769.19	1,769.19	9.34	60.11	141.01	293.53	-5,575.81	5,839.91	5,770.88	69.02	84.609		
1,900.00	1,855.38	1,865.38	1,865.38	9.87	63.46	141.17	293.53	-5,575.81	5,861.49	5,788.64	72.85	80.456		
2,000.00	1,951.58	1,961.58	1,961.58	10.41	66.81	141.34	293.53	-5,575.81	5,883.13	5,806.44	76.69	76.714		
2,100.00	2,047.77	2,057.77	2,057.77	10.95	70.17	141.50	293.53	-5,575.81	5,904.81	5,824.28	80.53	73.325		
2,200.00	2,143.96	2,153.96	2,153.96	11.49	73.52	141.66	293.53	-5,575.81	5,926.54	5,842.16	84.37	70.244		
2,300.00	2,240.16	2,250.16	2,250.16	12.04	76.88	141.83	293.53	-5,575.81	5,948.31	5,860.09	88.22	67.429		
2,400.00	2,336.35	2,346.35	2,346.35	12.58	80.23	141.99	293.53	-5,575.81	5,970.13	5,878.07	92.06	64.848		
2,500.00	2,432.54	2,442.54	2,442.54	13.13	83.59	142.14	293.53	-5,575.81	5,991.99	5,896.08	95.91	62.473		
2,600.00	2,528.74	2,538.74	2,538.74	13.69	86.94	142.30	293.53	-5,575.81	6,013.90	5,914.14	99.76	60.281		
2,700.00	2,624.93	2,634.93	2,634.93	14.24	90.30	142.46	293.53	-5,575.81	6,035.86	5,932.24	103.62	58.252		
2,800.00	2,721.12	2,731.12	2,731.12	14.80	93.66	142.61	293.53	-5,575.81	6,057.86	5,950.39	107.47	56.368		
2,900.00	2,817.32	2,827.32	2,827.32	15.35	97.01	142.77	293.53	-5,575.81	6,079.90	5,968.57	111.32	54.614		
3,000.00	2,913.51	2,923.51	2,923.51	15.91	100.37	142.92	293.53	-5,575.81	6,101.98	5,986.80	115.18	52.978		
3,100.00	3,009.70	3,019.70	3,019.70	16.47	103.72	143.07	293.53	-5,575.81	6,124.11	6,005.07	119.04	51.447		
3,200.00	3,105.90	3,115.90	3,115.90	17.03	107.08	143.22	293.53	-5,575.81	6,146.28	6,023.38	122.89	50.013		
3,300.00	3,202.09	3,212.09	3,212.09	17.59	110.44	143.37	293.53	-5,575.81	6,168.48	6,041.73	126.75	48.666		
3,400.00	3,298.28	3,308.28	3,308.28	18.15	113.79	143.52	293.53	-5,575.81	6,190.73	6,060.13	130.61	47.399		
3,500.00	3,394.48	3,404.48	3,404.48	18.72	117.15	143.67	293.53	-5,575.81	6,213.03	6,078.56	134.47	46.205		
3,600.00	3,490.67	3,500.67	3,500.67	19.28	120.51	143.82	293.53	-5,575.81	6,235.36	6,097.03	138.33	45.077		
3,700.00	3,586.86	3,603.14	3,596.86	19.84	124.08	143.96	293.53	-5,575.81	6,257.73	6,115.32	142.40	43.943		
3,800.00	3,683.06	3,706.94	3,693.06	20.41	127.71	144.11	293.53	-5,575.81	6,280.14	6,133.61	146.53	42.859		
3,900.00	3,779.25	3,789.25	3,789.25	20.97	130.58	144.25	293.53	-5,575.81	6,302.59	6,152.68	149.90	42.044		
4,000.00	3,875.44	3,885.44	3,885.44	21.54	133.94	144.39	293.53	-5,575.81	6,325.07	6,171.31	153.76	41.135		
4,100.00	3,971.64	3,981.64	3,981.64	22.11	137.29	144.54	293.53	-5,575.81	6,347.60	6,189.97	157.62	40.271		
4,200.00	4,067.83	4,077.83	4,077.83	22.67	140.65	144.68	293.53	-5,575.81	6,370.16	6,208.68	161.48	39.448		
4,300.00	4,164.02	4,174.02	4,174.02	23.24	144.01	144.82	293.53	-5,575.81	6,392.76	6,227.42	165.34	38.664		
4,400.00	4,260.22	4,270.22	4,270.22	23.81	147.36	144.96	293.53	-5,575.81	6,415.40	6,246.19	169.20	37.915		
4,500.00	4,356.41	4,366.41	4,366.41	24.37	150.72	145.09	293.53	-5,575.81	6,438.07	6,265.01	173.06	37.201		
4,600.00	4,452.60	4,462.60	4,462.60	24.94	154.08	145.23	293.53	-5,575.81	6,460.78	6,283.86	176.92	36.518		
4,700.00	4,548.79	4,558.79	4,558.79	25.51	157.44	145.37	293.53	-5,575.81	6,483.52	6,302.74	180.78	35.864		
4,800.00	4,644.99	4,654.99	4,654.99	26.08	160.79	145.50	293.53	-5,575.81	6,506.30	6,321.66	184.64	35.237		
4,900.00	4,741.18	4,751.18	4,751.18	26.65	164.15	145.64	293.53	-5,575.81	6,529.12	6,340.62	188.50	34.637		
5,000.00	4,837.37	4,847.37	4,847.37	27.21	167.51	145.77	293.53	-5,575.81	6,551.97	6,359.61	192.36	34.061		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,943.57	4,943.57	27.78	170.87	145.90	293.53	-5,575.81	6,574.85	6,378.63	196.22	33.507		
5,200.00	5,029.76	5,039.76	5,039.76	28.35	174.22	146.03	293.53	-5,575.81	6,597.77	6,397.69	200.08	32.975		
5,300.00	5,125.95	5,135.95	5,135.95	28.92	177.58	146.16	293.53	-5,575.81	6,620.72	6,416.78	203.94	32.464		
5,400.00	5,222.15	5,232.15	5,232.15	29.49	180.94	146.29	293.53	-5,575.81	6,643.70	6,435.90	207.80	31.972		
5,500.00	5,318.34	5,328.34	5,328.34	30.06	184.30	146.42	293.53	-5,575.81	6,666.72	6,455.06	211.66	31.497		
5,600.00	5,414.53	5,424.53	5,424.53	30.63	187.65	146.55	293.53	-5,575.81	6,689.77	6,474.25	215.52	31.040		
5,700.00	5,510.73	5,520.73	5,520.73	31.20	191.01	146.68	293.53	-5,575.81	6,712.85	6,493.47	219.38	30.600		
5,800.00	5,606.92	5,616.92	5,616.92	31.77	194.37	146.80	293.53	-5,575.81	6,735.97	6,512.73	223.24	30.174		
5,900.00	5,703.11	5,713.11	5,713.11	32.34	197.73	146.93	293.53	-5,575.81	6,759.11	6,532.02	227.10	29.763		
6,000.00	5,799.31	5,809.31	5,809.31	32.91	201.08	147.05	293.53	-5,575.81	6,782.29	6,551.33	230.95	29.366		
6,100.00	5,895.50	5,905.50	5,905.50	33.48	204.44	147.18	293.53	-5,575.81	6,805.49	6,570.68	234.81	28.983		
6,200.00	5,991.69	6,001.69	6,001.69	34.05	207.80	147.30	293.53	-5,575.81	6,828.73	6,590.06	238.67	28.611		
6,300.00	6,087.89	6,102.11	6,097.89	34.62	211.31	147.42	293.53	-5,575.81	6,852.00	6,609.32	242.68	28.235		
6,400.00	6,184.08	6,205.92	6,194.08	35.19	214.93	147.54	293.53	-5,575.81	6,875.29	6,628.49	246.80	27.858		
6,500.00	6,280.27	6,309.73	6,290.27	35.77	218.55	147.66	293.53	-5,575.81	6,898.62	6,647.70	250.92	27.493		
6,535.30	6,314.23	6,324.23	6,324.23	35.97	219.06	147.71	293.53	-5,575.81	6,906.86	6,655.26	251.61	27.451		
6,550.00	6,328.40	6,338.40	6,338.40	36.05	219.55	144.24	293.53	-5,575.81	6,910.13	6,657.96	252.17	27.402		
6,600.00	6,377.01	6,387.01	6,387.01	36.31	221.25	128.92	293.53	-5,575.81	6,918.82	6,664.71	254.11	27.228		
6,650.00	6,426.00	6,436.00	6,436.00	36.54	222.96	107.90	293.53	-5,575.81	6,923.71	6,667.66	256.05	27.041		
6,700.00	6,475.08	6,485.08	6,485.08	36.73	224.67	85.08	293.53	-5,575.81	6,924.76	6,666.80	257.96	26.844		
6,750.00	6,523.94	6,533.94	6,533.94	36.90	226.38	66.58	293.53	-5,575.81	6,921.99	6,662.14	259.84	26.639		
6,800.00	6,572.28	6,582.28	6,582.28	37.05	228.07	53.99	293.53	-5,575.81	6,915.40	6,653.72	261.68	26.427		
6,850.00	6,619.81	6,629.81	6,629.81	37.19	229.73	45.79	293.53	-5,575.81	6,905.04	6,641.58	263.45	26.210		
6,900.00	6,666.23	6,676.23	6,676.23	37.32	231.35	40.40	293.53	-5,575.81	6,890.98	6,625.81	265.17	25.987		
6,950.00	6,711.25	6,721.25	6,721.25	37.46	232.92	36.80	293.53	-5,575.81	6,873.30	6,606.49	266.81	25.761		
7,000.00	6,754.60	6,764.60	6,764.60	37.61	234.43	34.40	293.53	-5,575.81	6,852.13	6,583.75	268.37	25.532		
7,050.00	6,796.01	6,806.01	6,806.01	37.77	235.88	32.88	293.53	-5,575.81	6,827.58	6,557.73	269.85	25.301		
7,100.00	6,835.22	6,845.22	6,845.22	37.94	237.24	32.03	293.53	-5,575.81	6,799.82	6,528.59	271.23	25.070		
7,150.00	6,871.99	6,881.99	6,881.99	38.12	238.53	31.75	293.53	-5,575.81	6,769.02	6,496.51	272.51	24.839		
7,200.00	6,906.10	6,916.10	6,916.10	38.34	239.72	32.00	293.53	-5,575.81	6,735.37	6,461.68	273.69	24.609		
7,250.00	6,937.34	6,947.34	6,947.34	38.57	240.81	32.79	293.53	-5,575.81	6,699.08	6,424.32	274.76	24.382		
7,300.00	6,965.51	6,975.51	6,975.51	38.84	241.79	34.16	293.53	-5,575.81	6,660.37	6,384.66	275.72	24.157		
7,350.00	6,990.44	7,000.44	7,000.44	39.14	242.66	36.24	293.53	-5,575.81	6,619.48	6,342.93	276.56	23.935		
7,400.00	7,011.97	7,021.97	7,021.97	39.47	243.41	39.22	293.53	-5,575.81	6,576.67	6,299.39	277.28	23.719		
7,450.00	7,029.98	7,039.98	7,039.98	39.85	244.04	43.41	293.53	-5,575.81	6,532.19	6,254.31	277.88	23.507		
7,500.00	7,044.34	7,054.34	7,054.34	40.26	244.54	49.32	293.53	-5,575.81	6,486.31	6,207.95	278.36	23.302		
7,550.00	7,054.99	7,064.99	7,064.99	40.72	244.92	57.67	293.53	-5,575.81	6,439.33	6,160.61	278.72	23.103		
7,600.00	7,061.83	7,071.83	7,071.83	41.21	245.15	69.39	293.53	-5,575.81	6,391.52	6,112.56	278.96	22.912		
7,650.00	7,064.85	7,074.85	7,074.85	41.73	245.26	85.00	293.53	-5,575.81	6,343.18	6,064.10	279.07	22.729		
7,661.89	7,065.00	7,075.00	7,075.00	41.86	245.27	89.20	293.53	-5,575.81	6,331.64	6,052.55	279.08	22.687		
7,700.00	7,065.13	7,075.13	7,075.13	42.28	245.27	89.20	293.53	-5,575.81	6,294.63	6,015.53	279.10	22.553		
7,800.00	7,065.47	7,075.47	7,075.47	43.53	245.28	89.22	293.53	-5,575.81	6,197.60	5,918.42	279.17	22.200		
7,900.00	7,065.82	7,075.82	7,075.82	44.94	245.29	89.23	293.53	-5,575.81	6,100.66	5,821.40	279.26	21.846		
8,000.00	7,066.16	7,076.16	7,076.16	46.50	245.31	89.24	293.53	-5,575.81	6,003.82	5,724.45	279.37	21.491		
8,100.00	7,066.50	7,076.50	7,076.50	48.19	245.32	89.26	293.53	-5,575.81	5,907.08	5,627.58	279.51	21.134		
8,200.00	7,066.85	7,076.85	7,076.85	50.00	245.33	89.27	293.53	-5,575.81	5,810.46	5,530.79	279.67	20.776		
8,300.00	7,067.19	7,077.19	7,077.19	51.91	245.34	89.28	293.53	-5,575.81	5,713.95	5,434.09	279.86	20.417		
8,400.00	7,067.54	7,077.54	7,077.54	53.92	245.35	89.29	293.53	-5,575.81	5,617.57	5,337.49	280.08	20.057		
8,500.00	7,067.88	7,077.88	7,077.88	56.01	245.37	89.31	293.53	-5,575.81	5,521.31	5,240.97	280.34	19.695		
8,600.00	7,068.22	7,078.22	7,078.22	58.16	245.38	89.32	293.53	-5,575.81	5,425.19	5,144.56	280.63	19.332		
8,700.00	7,068.57	7,078.57	7,078.57	60.38	245.39	89.33	293.53	-5,575.81	5,329.22	5,048.25	280.96	18.968		
8,800.00	7,068.91	7,078.91	7,078.91	62.65	245.40	89.35	293.53	-5,575.81	5,233.39	4,952.06	281.33	18.602		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,079.25	7,079.25	64.97	245.41	89.36	293.53	-5,575.81	5,137.72	4,855.97	281.75	18.235		
9,000.00	7,069.60	7,079.60	7,079.60	67.34	245.43	89.37	293.53	-5,575.81	5,042.22	4,760.01	282.21	17.867		
9,100.00	7,069.94	7,079.94	7,079.94	69.74	245.44	89.39	293.53	-5,575.81	4,946.90	4,664.18	282.72	17.497		
9,200.00	7,070.28	7,080.28	7,080.28	72.18	245.45	89.40	293.53	-5,575.81	4,851.76	4,568.48	283.29	17.127		
9,300.00	7,070.63	7,080.63	7,080.63	74.65	245.46	89.41	293.53	-5,575.81	4,756.83	4,472.92	283.91	16.755		
9,400.00	7,070.97	7,080.97	7,080.97	77.15	245.47	89.42	293.53	-5,575.81	4,662.11	4,377.51	284.59	16.382		
9,500.00	7,071.32	7,081.32	7,081.32	79.67	245.49	89.44	293.53	-5,575.81	4,567.61	4,282.27	285.34	16.008		
9,600.00	7,071.66	7,081.66	7,081.66	82.22	245.50	89.45	293.53	-5,575.81	4,473.35	4,187.19	286.16	15.633		
9,700.00	7,072.00	7,082.00	7,082.00	84.78	245.51	89.46	293.53	-5,575.81	4,379.35	4,092.30	287.05	15.257		
9,800.00	7,072.35	7,082.35	7,082.35	87.37	245.52	89.48	293.53	-5,575.81	4,285.61	3,997.60	288.01	14.880		
9,900.00	7,072.69	7,082.69	7,082.69	89.97	245.53	89.49	293.53	-5,575.81	4,192.17	3,903.11	289.06	14.503		
10,000.00	7,073.03	7,083.03	7,083.03	92.59	245.55	89.50	293.53	-5,575.81	4,099.04	3,808.84	290.19	14.125		
10,100.00	7,073.38	7,083.38	7,083.38	95.22	245.56	89.52	293.53	-5,575.81	4,006.24	3,714.82	291.42	13.747		
10,200.00	7,073.72	7,083.72	7,083.72	97.86	245.57	89.53	293.53	-5,575.81	3,913.79	3,621.05	292.74	13.369		
10,300.00	7,074.07	7,084.07	7,084.07	100.52	245.58	89.54	293.53	-5,575.81	3,821.72	3,527.56	294.16	12.992		
10,400.00	7,074.41	7,084.41	7,084.41	103.19	245.59	89.56	293.53	-5,575.81	3,730.06	3,434.36	295.70	12.614		
10,500.00	7,074.75	7,084.75	7,084.75	105.87	245.61	89.57	293.53	-5,575.81	3,638.84	3,341.50	297.35	12.238		
10,600.00	7,075.10	7,085.10	7,085.10	108.55	245.62	89.58	293.53	-5,575.81	3,548.09	3,248.98	299.11	11.862		
10,700.00	7,075.44	7,085.44	7,085.44	111.25	245.63	89.59	293.53	-5,575.81	3,457.86	3,156.85	301.01	11.487		
10,800.00	7,075.78	7,085.78	7,085.78	113.96	245.64	89.61	293.53	-5,575.81	3,368.17	3,065.13	303.05	11.114		
10,900.00	7,076.13	7,086.13	7,086.13	116.67	245.65	89.62	293.53	-5,575.81	3,279.09	2,973.86	305.22	10.743		
11,000.00	7,076.47	7,086.47	7,086.47	119.39	245.67	89.63	293.53	-5,575.81	3,190.65	2,883.09	307.56	10.374		
11,100.00	7,076.81	7,086.81	7,086.81	122.11	245.68	89.65	293.53	-5,575.81	3,102.91	2,792.86	310.05	10.008		
11,200.00	7,077.16	7,087.16	7,087.16	124.85	245.69	89.66	293.53	-5,575.81	3,015.93	2,703.22	312.71	9.644		
11,300.00	7,077.50	7,087.50	7,087.50	127.58	245.70	89.67	293.53	-5,575.81	2,929.79	2,614.23	315.56	9.284		
11,400.00	7,077.85	7,087.85	7,087.85	130.33	245.71	89.69	293.53	-5,575.81	2,844.55	2,525.95	318.60	8.928		
11,500.00	7,078.19	7,088.19	7,088.19	133.08	245.73	89.70	293.53	-5,575.81	2,760.30	2,438.47	321.83	8.577		
11,600.00	7,078.53	7,088.53	7,088.53	135.83	245.74	89.71	293.53	-5,575.81	2,677.14	2,351.85	325.29	8.230		
11,700.00	7,078.88	7,088.88	7,088.88	138.59	245.75	89.72	293.53	-5,575.81	2,595.16	2,266.20	328.97	7.889		
11,800.00	7,079.22	7,089.22	7,089.22	141.35	245.76	89.74	293.53	-5,575.81	2,514.50	2,181.62	332.88	7.554		
11,900.00	7,079.56	7,089.56	7,089.56	144.11	245.77	89.75	293.53	-5,575.81	2,435.26	2,098.22	337.04	7.225		
12,000.00	7,079.91	7,089.91	7,089.91	146.88	245.79	89.76	293.53	-5,575.81	2,357.61	2,016.15	341.45	6.905		
12,100.00	7,080.25	7,090.25	7,090.25	149.66	246.48	89.78	293.53	-5,575.81	2,281.69	1,934.87	346.82	6.579		
12,200.00	7,080.60	7,090.60	7,090.60	152.43	246.47	89.79	293.53	-5,575.81	2,207.69	1,855.95	351.74	6.276		
12,300.00	7,080.94	7,090.94	7,090.94	155.21	246.45	89.80	293.53	-5,575.81	2,135.82	1,778.88	356.94	5.984		
12,400.00	7,081.28	7,091.28	7,091.28	157.99	246.44	89.82	293.53	-5,575.81	2,066.28	1,703.87	362.41	5.701		
12,500.00	7,081.63	7,091.63	7,091.63	160.78	246.43	89.83	293.53	-5,575.81	1,999.33	1,631.19	368.14	5.431		
12,600.00	7,081.97	7,091.97	7,091.97	163.57	246.42	89.84	293.53	-5,575.81	1,935.24	1,561.11	374.13	5.173		
12,700.00	7,082.31	7,092.31	7,092.31	166.36	246.41	89.86	293.53	-5,575.81	1,874.29	1,493.95	380.33	4.928		
12,800.00	7,082.66	7,092.66	7,092.66	169.15	246.39	89.87	293.53	-5,575.81	1,816.80	1,430.07	386.73	4.698		
12,900.00	7,083.00	7,093.00	7,093.00	171.94	246.38	89.88	293.53	-5,575.81	1,763.11	1,369.85	393.26	4.483		
13,000.00	7,083.35	7,093.35	7,093.35	174.74	246.37	89.89	293.53	-5,575.81	1,713.58	1,313.71	399.87	4.285		
13,100.00	7,083.69	7,093.69	7,093.69	177.54	246.36	89.91	293.53	-5,575.81	1,668.58	1,262.11	406.47	4.105		
13,200.00	7,084.03	7,094.03	7,094.03	180.34	246.35	89.92	293.53	-5,575.81	1,628.49	1,215.51	412.97	3.943		
13,300.00	7,084.38	7,094.38	7,094.38	183.14	246.33	89.93	293.53	-5,575.81	1,593.67	1,174.40	419.27	3.801		
13,400.00	7,084.72	7,094.72	7,094.72	185.95	246.32	89.95	293.53	-5,575.81	1,564.47	1,139.25	425.23	3.679		
13,500.00	7,085.06	7,095.06	7,095.06	188.76	246.31	89.96	293.53	-5,575.81	1,541.23	1,110.49	430.74	3.578		
13,600.00	7,085.41	7,095.41	7,095.41	191.56	246.30	89.97	293.53	-5,575.81	1,524.20	1,088.53	435.68	3.498		
13,700.00	7,085.75	7,095.75	7,095.75	194.37	246.29	89.99	293.53	-5,575.81	1,513.60	1,073.67	439.93	3.441		
13,800.00	7,086.09	7,096.09	7,096.09	197.18	246.27	90.00	293.53	-5,575.81	1,509.57	1,066.15	443.41	3.404		
13,810.99	7,086.13	7,096.13	7,096.13	197.49	246.27	90.00	293.53	-5,575.81	1,509.53	1,065.78	443.75	3.402 CC, ES		
13,900.00	7,086.44	7,096.44	7,096.44	200.00	246.26	90.01	293.53	-5,575.81	1,512.15	1,066.08	446.07	3.390 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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,103.22	7,096.78	202.81	246.25	90.02	293.53	-5,575.81	1,521.32	1,073.45	447.86	3.397		
14,100.00	7,087.13	7,102.87	7,097.13	205.63	246.24	90.04	293.53	-5,575.81	1,536.95	1,088.13	448.81	3.424		
14,200.00	7,087.47	7,102.53	7,097.47	208.44	246.23	90.05	293.53	-5,575.81	1,558.85	1,109.90	448.95	3.472		
14,300.00	7,087.81	7,102.19	7,097.81	211.26	246.21	90.06	293.53	-5,575.81	1,586.76	1,138.43	448.33	3.539		
14,400.00	7,088.16	7,101.84	7,098.16	214.08	246.20	90.08	293.53	-5,575.81	1,620.37	1,173.32	447.06	3.625		
14,500.00	7,088.50	7,101.50	7,098.50	216.90	246.19	90.09	293.53	-5,575.81	1,659.34	1,214.13	445.21	3.727		
14,600.00	7,088.84	7,101.16	7,098.84	219.72	246.18	90.10	293.53	-5,575.81	1,703.29	1,260.41	442.89	3.846		
14,700.00	7,089.19	7,100.81	7,099.19	222.54	246.17	90.12	293.53	-5,575.81	1,751.86	1,311.67	440.19	3.980		
14,800.00	7,089.53	7,100.47	7,099.53	225.37	246.15	90.13	293.53	-5,575.81	1,804.66	1,367.46	437.21	4.128		
14,900.00	7,089.88	7,100.13	7,099.88	228.19	246.14	90.14	293.53	-5,575.81	1,861.35	1,427.33	434.02	4.289		
15,000.00	7,090.22	7,100.22	7,100.22	231.02	246.15	90.16	293.53	-5,575.81	1,921.57	1,490.86	430.71	4.461		
15,100.00	7,090.56	7,100.56	7,100.56	233.84	246.16	90.17	293.53	-5,575.81	1,985.00	1,557.67	427.33	4.645		
15,200.00	7,090.91	7,100.91	7,100.91	236.67	246.17	90.18	293.53	-5,575.81	2,051.34	1,627.42	423.92	4.839		
15,227.29	7,091.00	7,101.00	7,101.00	237.44	246.17	90.18	293.53	-5,575.81	2,069.92	1,646.93	423.00	4.893		
15,300.00	7,091.25	7,101.25	7,101.25	239.49	246.18	90.21	293.53	-5,575.81	2,120.98	1,700.43	420.56	5.043		
15,326.57	7,091.35	7,101.35	7,101.35	240.24	246.18	90.22	293.53	-5,575.81	2,140.28	1,720.59	419.69	5.100		
15,400.00	7,091.60	7,101.60	7,101.60	242.30	246.19	90.23	293.53	-5,575.81	2,194.61	1,777.29	417.32	5.259		
15,500.00	7,091.96	7,101.96	7,101.96	245.12	246.21	90.24	293.53	-5,575.81	2,270.33	1,856.18	414.15	5.482		
15,600.00	7,092.31	7,102.31	7,102.31	247.93	246.22	90.25	293.53	-5,575.81	2,347.87	1,936.79	411.08	5.712		
15,700.00	7,092.66	7,102.66	7,102.66	250.75	246.23	90.27	293.53	-5,575.81	2,427.05	2,018.95	408.10	5.947		
15,800.00	7,093.01	7,103.01	7,103.01	253.56	246.24	90.28	293.53	-5,575.81	2,507.72	2,102.49	405.22	6.188		
15,900.00	7,093.36	7,103.36	7,103.36	256.38	246.26	90.30	293.53	-5,575.81	2,589.73	2,187.28	402.46	6.435		
16,000.00	7,093.71	7,103.71	7,103.71	259.20	246.27	90.31	293.53	-5,575.81	2,672.98	2,273.18	399.80	6.686		
16,100.00	7,094.07	7,104.07	7,104.07	262.02	246.28	90.32	293.53	-5,575.81	2,757.33	2,360.08	397.25	6.941		
16,200.00	7,094.42	7,104.42	7,104.42	264.84	246.29	90.34	293.53	-5,575.81	2,842.71	2,447.89	394.81	7.200		
16,300.00	7,094.77	7,104.77	7,104.77	267.65	246.30	90.35	293.53	-5,575.81	2,929.00	2,536.53	392.48	7.463		
16,400.00	7,095.12	7,105.12	7,105.12	270.47	246.32	90.36	293.53	-5,575.81	3,016.15	2,625.91	390.24	7.729		
16,500.00	7,095.47	7,105.47	7,105.47	273.30	246.33	90.38	293.53	-5,575.81	3,104.07	2,715.96	388.10	7.998		
16,600.00	7,095.82	7,105.82	7,105.82	276.12	246.34	90.39	293.53	-5,575.81	3,192.70	2,806.64	386.06	8.270		
16,700.00	7,096.18	7,106.18	7,106.18	278.94	246.35	90.41	293.53	-5,575.81	3,281.98	2,897.88	384.10	8.545		
16,800.00	7,096.53	7,106.53	7,106.53	281.76	246.37	90.42	293.53	-5,575.81	3,371.87	2,989.63	382.24	8.821		
16,900.00	7,096.88	7,106.88	7,106.88	284.58	246.38	90.43	293.53	-5,575.81	3,462.31	3,081.85	380.45	9.101		
17,000.00	7,097.23	7,107.23	7,107.23	287.41	246.39	90.45	293.53	-5,575.81	3,553.26	3,174.51	378.74	9.382		
17,100.00	7,097.58	7,107.58	7,107.58	290.23	246.40	90.46	293.53	-5,575.81	3,644.68	3,267.57	377.11	9.665		
17,200.00	7,097.93	7,107.93	7,107.93	293.06	246.41	90.48	293.53	-5,575.81	3,736.55	3,361.00	375.55	9.950		
17,300.00	7,098.29	7,108.29	7,108.29	295.88	246.43	90.49	293.53	-5,575.81	3,828.82	3,454.77	374.05	10.236		
17,400.00	7,098.64	7,108.64	7,108.64	298.71	246.44	90.50	293.53	-5,575.81	3,921.47	3,548.85	372.62	10.524		
17,500.00	7,098.99	7,108.99	7,108.99	301.53	246.45	90.52	293.53	-5,575.81	4,014.48	3,643.23	371.25	10.813		
17,600.00	7,099.34	7,109.34	7,109.34	304.36	246.46	90.53	293.53	-5,575.81	4,107.81	3,737.88	369.93	11.104		
17,700.00	7,099.69	7,109.69	7,109.69	307.19	246.48	90.54	293.53	-5,575.81	4,201.45	3,832.78	368.68	11.396		
17,800.00	7,100.04	7,110.04	7,110.04	310.01	246.49	90.56	293.53	-5,575.81	4,295.38	3,927.91	367.47	11.689		
17,900.00	7,100.40	7,110.40	7,110.40	312.84	246.50	90.57	293.53	-5,575.81	4,389.57	4,023.26	366.31	11.983		
18,000.00	7,100.75	7,110.75	7,110.75	315.67	246.51	90.59	293.53	-5,575.81	4,484.02	4,118.82	365.20	12.278		
18,100.00	7,101.10	7,111.10	7,111.10	318.50	246.53	90.60	293.53	-5,575.81	4,578.70	4,214.57	364.13	12.574		
18,200.00	7,101.45	7,111.45	7,111.45	321.33	246.54	90.61	293.53	-5,575.81	4,673.61	4,310.50	363.11	12.871		
18,300.00	7,101.80	7,111.80	7,111.80	324.16	246.55	90.63	293.53	-5,575.81	4,768.72	4,406.60	362.12	13.169		
18,400.00	7,102.16	7,112.16	7,112.16	326.99	246.56	90.64	293.53	-5,575.81	4,864.03	4,502.85	361.17	13.467		
18,500.00	7,102.51	7,112.51	7,112.51	329.82	246.57	90.66	293.53	-5,575.81	4,959.52	4,599.26	360.26	13.766		
18,600.00	7,102.86	7,112.86	7,112.86	332.65	246.59	90.67	293.53	-5,575.81	5,055.19	4,695.80	359.39	14.066		
18,700.00	7,103.21	7,113.21	7,113.21	335.48	246.60	90.68	293.53	-5,575.81	5,151.02	4,792.47	358.55	14.366		
18,800.00	7,103.56	7,113.56	7,113.56	338.31	246.61	90.70	293.53	-5,575.81	5,247.01	4,889.27	357.73	14.667		
18,900.00	7,103.91	7,113.91	7,113.91	341.14	246.62	90.71	293.53	-5,575.81	5,343.14	4,986.19	356.95	14.969		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design	Falken 9-11 PAD - Montera #10-43(SI) - OH - OH											Offset Site Error:	0.00 ft
Survey Program:	100-2" Cone@2.448 Sigma											Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	7,114.00	7,114.00	341.83	246.63	90.71	293.53	-5,575.81	5,366.73	5,009.96	356.77	15.043	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	16.00	16.00	3.28	3.29	-87.90	118.61	-3,231.21	3,233.39					
100.00	100.00	116.00	116.00	3.28	4.01	-87.90	118.61	-3,231.21	3,233.39	3,226.09	7.29	443.350		
200.00	200.00	216.00	216.00	3.34	6.66	-87.90	118.61	-3,231.21	3,233.39	3,223.39	10.00	323.470		
300.00	299.98	315.98	315.98	3.44	9.85	139.11	118.61	-3,231.21	3,234.70	3,221.42	13.29	243.425		
400.00	399.84	415.84	415.84	3.59	13.19	139.11	118.61	-3,231.21	3,238.66	3,221.88	16.78	193.018		
500.00	499.45	515.45	515.45	3.80	16.58	139.13	118.61	-3,231.21	3,245.26	3,224.89	20.37	159.308		
600.00	598.70	614.70	614.70	4.04	19.98	139.15	118.61	-3,231.21	3,254.51	3,230.49	24.02	135.471		
700.00	697.47	713.47	713.47	4.32	23.39	139.17	118.61	-3,231.21	3,266.41	3,238.69	27.71	117.857		
800.00	795.62	811.62	811.62	4.65	26.79	139.19	118.61	-3,231.21	3,280.96	3,249.53	31.43	104.387		
900.00	893.06	909.06	909.06	5.02	30.17	139.22	118.61	-3,231.21	3,298.18	3,263.02	35.16	93.805		
993.00	982.91	1,001.09	998.91	5.39	33.36	139.24	118.61	-3,231.21	3,316.59	3,277.88	38.71	85.681		
1,000.00	989.65	1,005.65	1,005.65	5.42	33.52	139.26	118.61	-3,231.21	3,318.06	3,279.16	38.90	85.302		
1,100.00	1,085.84	1,101.84	1,101.84	5.86	36.87	139.56	118.61	-3,231.21	3,339.15	3,296.51	42.64	78.313		
1,200.00	1,182.03	1,201.97	1,198.03	6.32	40.35	139.86	118.61	-3,231.21	3,360.33	3,313.79	46.54	72.208		
1,300.00	1,278.22	1,305.78	1,294.22	6.79	43.96	140.15	118.61	-3,231.21	3,381.60	3,331.02	50.58	66.857		
1,400.00	1,374.42	1,409.58	1,390.42	7.28	47.58	140.44	118.61	-3,231.21	3,402.95	3,348.31	54.64	62.283		
1,500.00	1,470.61	1,486.61	1,486.61	7.79	50.26	140.73	118.61	-3,231.21	3,424.39	3,366.62	57.77	59.275		
1,600.00	1,566.80	1,582.80	1,582.80	8.30	53.61	141.01	118.61	-3,231.21	3,445.91	3,384.33	61.58	55.956		
1,700.00	1,663.00	1,679.00	1,679.00	8.82	56.96	141.29	118.61	-3,231.21	3,467.52	3,402.12	65.40	53.020		
1,800.00	1,759.19	1,775.19	1,775.19	9.34	60.32	141.57	118.61	-3,231.21	3,489.20	3,419.98	69.22	50.404		
1,900.00	1,855.38	1,871.38	1,871.38	9.87	63.67	141.84	118.61	-3,231.21	3,510.96	3,437.91	73.05	48.061		
2,000.00	1,951.58	1,967.58	1,967.58	10.41	67.02	142.11	118.61	-3,231.21	3,532.81	3,455.92	76.89	45.949		
2,100.00	2,047.77	2,063.77	2,063.77	10.95	70.38	142.38	118.61	-3,231.21	3,554.72	3,474.00	80.72	44.037		
2,200.00	2,143.96	2,159.96	2,159.96	11.49	73.73	142.64	118.61	-3,231.21	3,576.71	3,492.15	84.56	42.297		
2,300.00	2,240.16	2,256.16	2,256.16	12.04	77.09	142.90	118.61	-3,231.21	3,598.78	3,510.38	88.40	40.709		
2,400.00	2,336.35	2,352.35	2,352.35	12.58	80.44	143.16	118.61	-3,231.21	3,620.91	3,528.67	92.25	39.253		
2,500.00	2,432.54	2,448.54	2,448.54	13.13	83.80	143.42	118.61	-3,231.21	3,643.12	3,547.03	96.09	37.913		
2,600.00	2,528.74	2,544.74	2,544.74	13.69	87.15	143.67	118.61	-3,231.21	3,665.40	3,565.46	99.94	36.677		
2,700.00	2,624.93	2,640.93	2,640.93	14.24	90.51	143.92	118.61	-3,231.21	3,687.74	3,583.96	103.79	35.532		
2,800.00	2,721.12	2,737.12	2,737.12	14.80	93.86	144.16	118.61	-3,231.21	3,710.15	3,602.52	107.63	34.470		
2,900.00	2,817.32	2,833.32	2,833.32	15.35	97.22	144.40	118.61	-3,231.21	3,732.63	3,621.14	111.48	33.481		
3,000.00	2,913.51	2,929.51	2,929.51	15.91	100.58	144.64	118.61	-3,231.21	3,755.17	3,639.83	115.33	32.559		
3,100.00	3,009.70	3,025.70	3,025.70	16.47	103.93	144.88	118.61	-3,231.21	3,777.77	3,658.59	119.18	31.697		
3,200.00	3,105.90	3,121.90	3,121.90	17.03	107.29	145.11	118.61	-3,231.21	3,800.44	3,677.40	123.04	30.889		
3,300.00	3,202.09	3,218.09	3,218.09	17.59	110.65	145.35	118.61	-3,231.21	3,823.16	3,696.28	126.89	30.130		
3,400.00	3,298.28	3,314.28	3,314.28	18.15	114.00	145.57	118.61	-3,231.21	3,845.95	3,715.21	130.74	29.417		
3,500.00	3,394.48	3,410.48	3,410.48	18.72	117.36	145.80	118.61	-3,231.21	3,868.80	3,734.20	134.59	28.745		
3,600.00	3,490.67	3,506.67	3,506.67	19.28	120.72	146.02	118.61	-3,231.21	3,891.70	3,753.26	138.44	28.110		
3,700.00	3,586.86	3,602.86	3,602.86	19.84	124.07	146.24	118.61	-3,231.21	3,914.66	3,772.36	142.30	27.511		
3,800.00	3,683.06	3,700.94	3,699.06	20.41	127.50	146.46	118.61	-3,231.21	3,937.67	3,791.46	146.21	26.931		
3,900.00	3,779.25	3,804.75	3,795.25	20.97	131.12	146.68	118.61	-3,231.21	3,960.75	3,810.41	150.33	26.347		
4,000.00	3,875.44	3,908.56	3,891.44	21.54	134.74	146.89	118.61	-3,231.21	3,983.87	3,829.42	154.45	25.794		
4,100.00	3,971.64	3,987.64	3,987.64	22.11	137.50	147.10	118.61	-3,231.21	4,007.05	3,849.34	157.71	25.408		
4,200.00	4,067.83	4,083.83	4,083.83	22.67	140.86	147.31	118.61	-3,231.21	4,030.28	3,868.72	161.56	24.946		
4,300.00	4,164.02	4,180.02	4,180.02	23.24	144.22	147.52	118.61	-3,231.21	4,053.56	3,888.15	165.41	24.506		
4,400.00	4,260.22	4,276.22	4,276.22	23.81	147.57	147.72	118.61	-3,231.21	4,076.89	3,907.63	169.26	24.086		
4,500.00	4,356.41	4,372.41	4,372.41	24.37	150.93	147.92	118.61	-3,231.21	4,100.27	3,927.15	173.12	23.685		
4,600.00	4,452.60	4,468.60	4,468.60	24.94	154.29	148.12	118.61	-3,231.21	4,123.70	3,946.73	176.97	23.302		
4,700.00	4,548.79	4,564.79	4,564.79	25.51	157.65	148.32	118.61	-3,231.21	4,147.17	3,966.35	180.82	22.935		
4,800.00	4,644.99	4,660.99	4,660.99	26.08	161.00	148.52	118.61	-3,231.21	4,170.70	3,986.03	184.67	22.584		
4,900.00	4,741.18	4,757.18	4,757.18	26.65	164.36	148.71	118.61	-3,231.21	4,194.27	4,005.74	188.52	22.248		
5,000.00	4,837.37	4,853.37	4,853.37	27.21	167.72	148.90	118.61	-3,231.21	4,217.88	4,025.51	192.38	21.925		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,949.57	4,949.57	27.78	171.08	149.09	118.61	-3,231.21	4,241.54	4,045.31	196.23	21.615		
5,200.00	5,029.76	5,045.76	5,045.76	28.35	174.43	149.28	118.61	-3,231.21	4,265.25	4,065.17	200.08	21.318		
5,300.00	5,125.95	5,141.95	5,141.95	28.92	177.79	149.46	118.61	-3,231.21	4,288.99	4,085.06	203.93	21.032		
5,400.00	5,222.15	5,238.15	5,238.15	29.49	181.15	149.64	118.61	-3,231.21	4,312.78	4,105.00	207.78	20.756		
5,500.00	5,318.34	5,334.34	5,334.34	30.06	184.51	149.82	118.61	-3,231.21	4,336.61	4,124.98	211.63	20.491		
5,600.00	5,414.53	5,430.53	5,430.53	30.63	187.86	150.00	118.61	-3,231.21	4,360.48	4,145.00	215.48	20.236		
5,700.00	5,510.73	5,526.73	5,526.73	31.20	191.22	150.18	118.61	-3,231.21	4,384.40	4,165.06	219.33	19.990		
5,800.00	5,606.92	5,622.92	5,622.92	31.77	194.58	150.35	118.61	-3,231.21	4,408.35	4,185.16	223.18	19.752		
5,900.00	5,703.11	5,719.11	5,719.11	32.34	197.94	150.53	118.61	-3,231.21	4,432.34	4,205.30	227.03	19.523		
6,000.00	5,799.31	5,815.31	5,815.31	32.91	201.29	150.70	118.61	-3,231.21	4,456.37	4,225.48	230.88	19.301		
6,100.00	5,895.50	5,911.50	5,911.50	33.48	204.65	150.87	118.61	-3,231.21	4,480.44	4,245.70	234.73	19.087		
6,200.00	5,991.69	6,007.69	6,007.69	34.05	208.01	151.04	118.61	-3,231.21	4,504.54	4,265.96	238.58	18.880		
6,300.00	6,087.89	6,103.89	6,103.89	34.62	211.37	151.20	118.61	-3,231.21	4,528.68	4,286.25	242.43	18.680		
6,400.00	6,184.08	6,200.08	6,200.08	35.19	214.72	151.37	118.61	-3,231.21	4,552.86	4,306.57	246.28	18.486		
6,500.00	6,280.27	6,303.73	6,296.27	35.77	218.34	151.53	118.61	-3,231.21	4,577.07	4,326.68	250.39	18.280		
6,535.30	6,314.23	6,330.23	6,330.23	35.97	219.27	151.59	118.61	-3,231.21	4,585.63	4,334.13	251.49	18.234		
6,550.00	6,328.40	6,344.40	6,344.40	36.05	219.76	148.10	118.61	-3,231.21	4,589.03	4,336.97	252.06	18.206		
6,600.00	6,377.01	6,406.99	6,393.01	36.31	221.95	132.74	118.61	-3,231.21	4,598.22	4,343.74	254.48	18.069		
6,650.00	6,426.00	6,442.00	6,442.00	36.54	223.17	111.71	118.61	-3,231.21	4,603.67	4,347.75	255.92	17.989		
6,700.00	6,475.08	6,508.92	6,491.08	36.73	225.51	88.91	118.61	-3,231.21	4,605.37	4,346.91	258.46	17.819		
6,750.00	6,523.94	6,539.94	6,539.94	36.90	226.59	70.45	118.61	-3,231.21	4,603.29	4,343.58	259.71	17.724		
6,800.00	6,572.28	6,588.28	6,588.28	37.05	228.28	57.94	118.61	-3,231.21	4,597.47	4,335.93	261.55	17.578		
6,850.00	6,619.81	6,635.81	6,635.81	37.19	229.93	49.84	118.61	-3,231.21	4,587.95	4,324.62	263.32	17.423		
6,900.00	6,666.23	6,682.23	6,682.23	37.32	231.55	44.57	118.61	-3,231.21	4,574.78	4,309.75	265.04	17.261		
6,950.00	6,711.25	6,727.25	6,727.25	37.46	233.13	41.12	118.61	-3,231.21	4,558.07	4,291.40	266.68	17.092		
7,000.00	6,754.60	6,770.60	6,770.60	37.61	234.64	38.93	118.61	-3,231.21	4,537.92	4,269.68	268.24	16.918		
7,050.00	6,796.01	6,812.01	6,812.01	37.77	236.08	37.64	118.61	-3,231.21	4,514.46	4,244.75	269.71	16.738		
7,100.00	6,835.22	6,851.22	6,851.22	37.94	237.45	37.06	118.61	-3,231.21	4,487.84	4,216.75	271.09	16.555		
7,150.00	6,871.99	6,887.99	6,887.99	38.12	238.74	37.11	118.61	-3,231.21	4,458.23	4,185.86	272.37	16.368		
7,200.00	6,906.10	6,922.10	6,922.10	38.34	239.93	37.74	118.61	-3,231.21	4,425.82	4,152.27	273.54	16.180		
7,250.00	6,937.34	6,953.34	6,953.34	38.57	241.02	38.96	118.61	-3,231.21	4,390.82	4,116.20	274.61	15.989		
7,300.00	6,965.51	6,981.51	6,981.51	38.84	242.00	40.82	118.61	-3,231.21	4,353.44	4,077.87	275.57	15.798		
7,350.00	6,990.44	7,006.44	7,006.44	39.14	242.87	43.43	118.61	-3,231.21	4,313.92	4,037.50	276.42	15.606		
7,400.00	7,011.97	7,027.97	7,027.97	39.47	243.62	46.94	118.61	-3,231.21	4,272.50	3,995.35	277.15	15.416		
7,450.00	7,029.98	7,045.98	7,045.98	39.85	244.25	51.57	118.61	-3,231.21	4,229.44	3,951.68	277.76	15.227		
7,500.00	7,044.34	7,060.34	7,060.34	40.26	244.75	57.61	118.61	-3,231.21	4,185.01	3,906.75	278.26	15.040		
7,550.00	7,054.99	7,070.99	7,070.99	40.72	245.13	65.35	118.61	-3,231.21	4,139.48	3,860.83	278.65	14.856		
7,600.00	7,061.83	7,077.83	7,077.83	41.21	245.36	75.03	118.61	-3,231.21	4,093.12	3,814.21	278.91	14.675		
7,650.00	7,064.85	7,080.85	7,080.85	41.73	245.47	86.51	118.61	-3,231.21	4,046.22	3,767.16	279.06	14.499		
7,661.89	7,065.00	7,081.00	7,081.00	41.86	245.47	89.44	118.61	-3,231.21	4,035.02	3,755.94	279.08	14.458		
7,700.00	7,065.13	7,081.13	7,081.13	42.28	245.48	89.45	118.61	-3,231.21	3,999.11	3,719.98	279.13	14.327		
7,800.00	7,065.47	7,081.47	7,081.47	43.53	245.49	89.46	118.61	-3,231.21	3,905.10	3,625.81	279.29	13.982		
7,900.00	7,065.82	7,081.82	7,081.82	44.94	245.50	89.48	118.61	-3,231.21	3,811.39	3,531.89	279.50	13.636		
8,000.00	7,066.16	7,082.16	7,082.16	46.50	245.52	89.49	118.61	-3,231.21	3,718.01	3,438.24	279.77	13.289		
8,100.00	7,066.50	7,082.50	7,082.50	48.19	245.53	89.51	118.61	-3,231.21	3,624.99	3,344.89	280.10	12.942		
8,200.00	7,066.85	7,082.85	7,082.85	50.00	245.54	89.52	118.61	-3,231.21	3,532.34	3,251.84	280.50	12.593		
8,300.00	7,067.19	7,083.19	7,083.19	51.91	245.55	89.54	118.61	-3,231.21	3,440.11	3,159.13	280.98	12.243		
8,400.00	7,067.54	7,083.54	7,083.54	53.92	245.56	89.55	118.61	-3,231.21	3,348.32	3,066.78	281.55	11.893		
8,500.00	7,067.88	7,083.88	7,083.88	56.01	245.58	89.57	118.61	-3,231.21	3,257.02	2,974.82	282.20	11.541		
8,600.00	7,068.22	7,084.22	7,084.22	58.16	245.59	89.58	118.61	-3,231.21	3,166.24	2,883.28	282.97	11.189		
8,700.00	7,068.57	7,084.57	7,084.57	60.38	245.60	89.60	118.61	-3,231.21	3,076.04	2,792.19	283.84	10.837		
8,800.00	7,068.91	7,084.91	7,084.91	62.65	245.61	89.61	118.61	-3,231.21	2,986.45	2,701.61	284.84	10.485		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,085.25	7,085.25	64.97	245.62	89.62	118.61	-3,231.21	2,897.55	2,611.58	285.98	10.132		
9,000.00	7,069.60	7,085.60	7,085.60	67.34	245.64	89.64	118.61	-3,231.21	2,809.40	2,522.14	287.26	9.780		
9,100.00	7,069.94	7,085.94	7,085.94	69.74	245.65	89.65	118.61	-3,231.21	2,722.06	2,433.37	288.70	9.429		
9,200.00	7,070.28	7,086.28	7,086.28	72.18	245.66	89.67	118.61	-3,231.21	2,635.63	2,345.32	290.31	9.079		
9,300.00	7,070.63	7,086.63	7,086.63	74.65	245.67	89.68	118.61	-3,231.21	2,550.19	2,258.09	292.10	8.731		
9,400.00	7,070.97	7,086.97	7,086.97	77.15	245.68	89.70	118.61	-3,231.21	2,465.84	2,171.75	294.09	8.385		
9,500.00	7,071.32	7,087.32	7,087.32	79.67	245.70	89.71	118.61	-3,231.21	2,382.70	2,086.41	296.29	8.042		
9,600.00	7,071.66	7,087.66	7,087.66	82.22	245.71	89.73	118.61	-3,231.21	2,300.91	2,002.20	298.71	7.703		
9,700.00	7,072.00	7,088.00	7,088.00	84.78	245.72	89.74	118.61	-3,231.21	2,220.60	1,919.23	301.37	7.368		
9,800.00	7,072.35	7,088.35	7,088.35	87.37	245.73	89.76	118.61	-3,231.21	2,141.96	1,837.68	304.28	7.039		
9,900.00	7,072.69	7,088.69	7,088.69	89.97	245.74	89.77	118.61	-3,231.21	2,065.16	1,757.71	307.45	6.717		
10,000.00	7,073.03	7,089.03	7,089.03	92.59	245.76	89.79	118.61	-3,231.21	1,990.42	1,679.54	310.88	6.402		
10,100.00	7,073.38	7,089.38	7,089.38	95.22	245.77	89.80	118.61	-3,231.21	1,917.99	1,603.39	314.60	6.097		
10,200.00	7,073.72	7,089.72	7,089.72	97.86	245.78	89.81	118.61	-3,231.21	1,848.13	1,529.54	318.60	5.801		
10,300.00	7,074.07	7,090.07	7,090.07	100.52	246.48	89.83	118.61	-3,231.21	1,781.15	1,457.59	323.56	5.505		
10,400.00	7,074.41	7,090.59	7,090.41	103.19	246.47	89.84	118.61	-3,231.21	1,717.38	1,389.30	328.08	5.235		
10,500.00	7,074.75	7,091.25	7,091.07	105.87	246.46	89.86	118.61	-3,231.21	1,657.20	1,324.36	332.85	4.979		
10,600.00	7,075.10	7,091.90	7,091.10	108.55	246.45	89.87	118.61	-3,231.21	1,601.01	1,263.18	337.82	4.739		
10,700.00	7,075.44	7,092.54	7,091.44	111.25	246.44	89.89	118.61	-3,231.21	1,549.23	1,206.26	342.97	4.517		
10,800.00	7,075.78	7,093.22	7,091.78	113.96	246.42	89.90	118.61	-3,231.21	1,502.34	1,154.12	348.22	4.314		
10,900.00	7,076.13	7,093.87	7,092.13	116.67	246.41	89.92	118.61	-3,231.21	1,460.80	1,107.31	353.49	4.132		
11,000.00	7,076.47	7,094.53	7,092.47	119.39	246.40	89.93	118.61	-3,231.21	1,425.07	1,066.39	358.69	3.973		
11,100.00	7,076.81	7,095.19	7,092.81	122.11	246.39	89.95	118.61	-3,231.21	1,395.61	1,031.93	363.69	3.837		
11,200.00	7,077.16	7,095.84	7,093.16	124.85	246.38	89.96	118.61	-3,231.21	1,372.82	1,004.45	368.37	3.727		
11,300.00	7,077.50	7,096.50	7,093.50	127.58	246.36	89.98	118.61	-3,231.21	1,357.03	984.41	372.63	3.642		
11,400.00	7,077.85	7,097.15	7,093.85	130.33	246.35	89.99	118.61	-3,231.21	1,348.50	972.16	376.34	3.583		
11,465.49	7,078.07	7,105.93	7,094.07	132.13	246.34	90.00	118.61	-3,231.21	1,346.91	968.48	378.43	3.559 CC		
11,500.00	7,078.19	7,105.81	7,094.19	133.08	246.34	90.01	118.61	-3,231.21	1,347.35	967.93	379.42	3.551 ES		
11,600.00	7,078.53	7,105.47	7,094.53	135.83	246.33	90.02	118.61	-3,231.21	1,353.61	971.80	381.81	3.545 SF		
11,700.00	7,078.88	7,105.12	7,094.88	138.59	246.32	90.03	118.61	-3,231.21	1,367.17	983.68	383.49	3.565		
11,800.00	7,079.22	7,104.78	7,095.22	141.35	246.30	90.05	118.61	-3,231.21	1,387.82	1,003.35	384.47	3.610		
11,900.00	7,079.56	7,104.44	7,095.56	144.11	246.29	90.06	118.61	-3,231.21	1,415.26	1,030.45	384.80	3.678		
12,000.00	7,079.91	7,104.09	7,095.91	146.88	246.28	90.08	118.61	-3,231.21	1,449.09	1,064.54	384.54	3.768		
12,100.00	7,080.25	7,103.75	7,096.25	149.66	246.27	90.09	118.61	-3,231.21	1,488.88	1,105.10	383.78	3.880		
12,200.00	7,080.60	7,103.40	7,096.60	152.43	246.26	90.11	118.61	-3,231.21	1,534.16	1,151.57	382.60	4.010		
12,300.00	7,080.94	7,103.06	7,096.94	155.21	246.24	90.12	118.61	-3,231.21	1,584.47	1,203.39	381.08	4.158		
12,400.00	7,081.28	7,102.72	7,097.28	157.99	246.23	90.14	118.61	-3,231.21	1,639.35	1,260.03	379.32	4.322		
12,500.00	7,081.63	7,102.37	7,097.63	160.78	246.22	90.15	118.61	-3,231.21	1,698.34	1,320.97	377.37	4.500		
12,600.00	7,081.97	7,102.03	7,097.97	163.57	246.21	90.17	118.61	-3,231.21	1,761.04	1,385.74	375.30	4.692		
12,700.00	7,082.31	7,101.69	7,098.31	166.36	246.20	90.18	118.61	-3,231.21	1,827.06	1,453.89	373.17	4.896		
12,800.00	7,082.66	7,101.34	7,098.66	169.15	246.18	90.20	118.61	-3,231.21	1,896.06	1,525.06	371.00	5.111		
12,900.00	7,083.00	7,101.00	7,099.00	171.94	246.17	90.21	118.61	-3,231.21	1,967.73	1,598.89	368.84	5.335		
13,000.00	7,083.35	7,100.66	7,099.35	174.74	246.16	90.22	118.61	-3,231.21	2,041.78	1,675.07	366.71	5.568		
13,100.00	7,083.69	7,100.31	7,099.69	177.54	246.15	90.24	118.61	-3,231.21	2,117.96	1,753.34	364.62	5.809		
13,200.00	7,084.03	7,100.03	7,100.03	180.34	246.14	90.25	118.61	-3,231.21	2,196.05	1,833.47	362.59	6.057		
13,300.00	7,084.38	7,100.38	7,100.38	183.14	246.15	90.27	118.61	-3,231.21	2,275.86	1,915.22	360.64	6.311		
13,400.00	7,084.72	7,100.72	7,100.72	185.95	246.16	90.28	118.61	-3,231.21	2,357.21	1,998.44	358.77	6.570		
13,500.00	7,085.06	7,101.06	7,101.06	188.76	246.17	90.30	118.61	-3,231.21	2,439.95	2,082.97	356.97	6.835		
13,600.00	7,085.41	7,101.41	7,101.41	191.56	246.19	90.31	118.61	-3,231.21	2,523.93	2,168.68	355.25	7.105		
13,700.00	7,085.75	7,101.75	7,101.75	194.37	246.20	90.33	118.61	-3,231.21	2,609.05	2,255.45	353.60	7.378		
13,800.00	7,086.09	7,102.09	7,102.09	197.18	246.21	90.34	118.61	-3,231.21	2,695.19	2,343.16	352.03	7.656		
13,900.00	7,086.44	7,102.44	7,102.44	200.00	246.22	90.36	118.61	-3,231.21	2,782.25	2,431.72	350.53	7.937		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,102.78	7,102.78	202.81	246.23	90.37	118.61	-3,231.21	2,870.16	2,521.06	349.10	8.222		
14,100.00	7,087.13	7,103.13	7,103.13	205.63	246.25	90.39	118.61	-3,231.21	2,958.84	2,611.10	347.73	8.509		
14,200.00	7,087.47	7,103.47	7,103.47	208.44	246.26	90.40	118.61	-3,231.21	3,048.21	2,701.78	346.43	8.799		
14,300.00	7,087.81	7,103.81	7,103.81	211.26	246.27	90.41	118.61	-3,231.21	3,138.23	2,793.04	345.20	9.091		
14,400.00	7,088.16	7,104.16	7,104.16	214.08	246.28	90.43	118.61	-3,231.21	3,228.84	2,884.82	344.02	9.386		
14,500.00	7,088.50	7,104.50	7,104.50	216.90	246.29	90.44	118.61	-3,231.21	3,319.98	2,977.09	342.90	9.682		
14,600.00	7,088.84	7,104.84	7,104.84	219.72	246.31	90.46	118.61	-3,231.21	3,411.63	3,069.80	341.83	9.981		
14,700.00	7,089.19	7,105.19	7,105.19	222.54	246.32	90.47	118.61	-3,231.21	3,503.73	3,162.92	340.81	10.281		
14,800.00	7,089.53	7,105.53	7,105.53	225.37	246.33	90.49	118.61	-3,231.21	3,596.25	3,256.41	339.83	10.582		
14,900.00	7,089.88	7,105.88	7,105.88	228.19	246.34	90.50	118.61	-3,231.21	3,689.16	3,350.25	338.91	10.885		
15,000.00	7,090.22	7,106.22	7,106.22	231.02	246.35	90.52	118.61	-3,231.21	3,782.43	3,444.41	338.02	11.190		
15,100.00	7,090.56	7,106.56	7,106.56	233.84	246.37	90.53	118.61	-3,231.21	3,876.04	3,538.86	337.18	11.495		
15,200.00	7,090.91	7,106.91	7,106.91	236.67	246.38	90.55	118.61	-3,231.21	3,969.96	3,633.58	336.37	11.802		
15,227.29	7,091.00	7,107.00	7,107.00	237.44	246.38	90.55	118.61	-3,231.21	3,995.64	3,659.48	336.16	11.886		
15,300.00	7,091.25	7,107.25	7,107.25	239.49	246.39	90.62	118.61	-3,231.21	4,064.47	3,728.84	335.62	12.110		
15,326.57	7,091.35	7,107.35	7,107.35	240.24	246.39	90.65	118.61	-3,231.21	4,089.79	3,754.35	335.44	12.192		
15,400.00	7,091.60	7,107.60	7,107.60	242.30	246.40	90.66	118.61	-3,231.21	4,159.97	3,825.01	334.96	12.419		
15,500.00	7,091.96	7,107.96	7,107.96	245.12	246.42	90.68	118.61	-3,231.21	4,255.72	3,921.39	334.33	12.729		
15,600.00	7,092.31	7,108.31	7,108.31	247.93	246.43	90.69	118.61	-3,231.21	4,351.65	4,017.93	333.72	13.040		
15,700.00	7,092.66	7,108.66	7,108.66	250.75	246.44	90.71	118.61	-3,231.21	4,447.77	4,114.62	333.15	13.351		
15,800.00	7,093.01	7,109.01	7,109.01	253.56	246.45	90.73	118.61	-3,231.21	4,544.05	4,211.46	332.60	13.662		
15,900.00	7,093.36	7,109.36	7,109.36	256.38	246.46	90.74	118.61	-3,231.21	4,640.50	4,308.43	332.07	13.974		
16,000.00	7,093.71	7,109.71	7,109.71	259.20	246.48	90.76	118.61	-3,231.21	4,737.08	4,405.52	331.57	14.287		
16,100.00	7,094.07	7,110.07	7,110.07	262.02	246.49	90.78	118.61	-3,231.21	4,833.81	4,502.73	331.08	14.600		
16,200.00	7,094.42	7,110.42	7,110.42	264.84	246.50	90.79	118.61	-3,231.21	4,930.67	4,600.05	330.62	14.913		
16,300.00	7,094.77	7,110.77	7,110.77	267.65	246.51	90.81	118.61	-3,231.21	5,027.65	4,697.47	330.18	15.227		
16,400.00	7,095.12	7,111.12	7,111.12	270.47	246.53	90.83	118.61	-3,231.21	5,124.75	4,794.99	329.75	15.541		
16,500.00	7,095.47	7,111.47	7,111.47	273.30	246.54	90.84	118.61	-3,231.21	5,221.95	4,892.61	329.35	15.855		
16,600.00	7,095.82	7,111.82	7,111.82	276.12	246.55	90.86	118.61	-3,231.21	5,319.26	4,990.31	328.96	16.170		
16,700.00	7,096.18	7,112.18	7,112.18	278.94	246.56	90.88	118.61	-3,231.21	5,416.67	5,088.09	328.59	16.485		
16,800.00	7,096.53	7,112.53	7,112.53	281.76	246.58	90.89	118.61	-3,231.21	5,514.17	5,185.95	328.23	16.800		
16,900.00	7,096.88	7,112.88	7,112.88	284.58	246.59	90.91	118.61	-3,231.21	5,611.76	5,283.88	327.88	17.115		
17,000.00	7,097.23	7,113.23	7,113.23	287.41	246.60	90.93	118.61	-3,231.21	5,709.43	5,381.88	327.55	17.430		
17,100.00	7,097.58	7,113.58	7,113.58	290.23	246.61	90.94	118.61	-3,231.21	5,807.19	5,479.95	327.24	17.746		
17,200.00	7,097.93	7,113.93	7,113.93	293.06	246.62	90.96	118.61	-3,231.21	5,905.01	5,578.08	326.93	18.062		
17,300.00	7,098.29	7,114.29	7,114.29	295.88	246.64	90.98	118.61	-3,231.21	6,002.91	5,676.27	326.64	18.378		
17,400.00	7,098.64	7,114.64	7,114.64	298.71	246.65	90.99	118.61	-3,231.21	6,100.88	5,774.51	326.36	18.694		
17,500.00	7,098.99	7,114.99	7,114.99	301.53	246.66	91.01	118.61	-3,231.21	6,198.91	5,872.81	326.09	19.010		
17,600.00	7,099.34	7,115.34	7,115.34	304.36	246.67	91.03	118.61	-3,231.21	6,297.00	5,971.17	325.84	19.326		
17,700.00	7,099.69	7,115.69	7,115.69	307.19	246.69	91.04	118.61	-3,231.21	6,395.15	6,069.57	325.59	19.642		
17,800.00	7,100.04	7,116.04	7,116.04	310.01	246.70	91.06	118.61	-3,231.21	6,493.36	6,168.01	325.35	19.958		
17,900.00	7,100.40	7,116.40	7,116.40	312.84	246.71	91.08	118.61	-3,231.21	6,591.63	6,266.50	325.12	20.274		
18,000.00	7,100.75	7,116.75	7,116.75	315.67	246.72	91.09	118.61	-3,231.21	6,689.94	6,365.04	324.90	20.591		
18,100.00	7,101.10	7,117.10	7,117.10	318.50	246.73	91.11	118.61	-3,231.21	6,788.30	6,463.61	324.69	20.907		
18,200.00	7,101.45	7,117.45	7,117.45	321.33	246.75	91.13	118.61	-3,231.21	6,886.71	6,562.22	324.49	21.223		
18,300.00	7,101.80	7,117.80	7,117.80	324.16	246.76	91.14	118.61	-3,231.21	6,985.17	6,660.87	324.30	21.539		
18,400.00	7,102.16	7,118.16	7,118.16	326.99	246.77	91.16	118.61	-3,231.21	7,083.67	6,759.56	324.11	21.856		
18,500.00	7,102.51	7,118.51	7,118.51	329.82	246.78	91.17	118.61	-3,231.21	7,182.21	6,858.28	323.93	22.172		
18,600.00	7,102.86	7,118.86	7,118.86	332.65	246.80	91.19	118.61	-3,231.21	7,280.79	6,957.03	323.76	22.488		
18,700.00	7,103.21	7,119.21	7,119.21	335.48	246.81	91.21	118.61	-3,231.21	7,379.41	7,055.81	323.59	22.804		
18,800.00	7,103.56	7,119.56	7,119.56	338.31	246.82	91.22	118.61	-3,231.21	7,478.06	7,154.62	323.44	23.121		
18,900.00	7,103.91	7,119.91	7,119.91	341.14	246.83	91.24	118.61	-3,231.21	7,576.75	7,253.47	323.28	23.437		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 #11-11(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	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)	(°)	+N/-S (ft)	(ft)	(ft)	(ft)	(ft)	(ft)					
18,924.52	7,104.00	7,120.00	7,120.00	341.83	246.84	91.25	118.61	-3,231.21	7,600.95	7,277.70	323.25	23.514					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	-109.90	-1,058.50	-2,923.50	3,109.22					
100.00	100.00	102.00	98.00	3.28	3.75	-109.90	-1,058.50	-2,923.50	3,109.22	3,102.19	7.03	442.057		
200.00	200.00	202.00	198.00	3.34	6.24	-109.90	-1,058.50	-2,923.50	3,109.22	3,099.64	9.58	324.714		
300.00	299.98	302.02	297.98	3.44	9.39	-117.11	-1,058.50	-2,923.50	3,110.01	3,097.18	12.83	242.402		
400.00	399.84	402.16	397.84	3.59	12.72	-117.15	-1,058.50	-2,923.50	3,112.40	3,096.09	16.32	190.756		
500.00	499.45	502.55	497.45	3.80	16.14	-117.22	-1,058.50	-2,923.50	3,116.40	3,096.47	19.93	156.384		
600.00	598.70	603.30	596.70	4.04	19.59	-117.32	-1,058.50	-2,923.50	3,122.02	3,098.39	23.63	132.123		
700.00	697.47	704.53	695.47	4.32	23.08	-117.45	-1,058.50	-2,923.50	3,129.28	3,101.88	27.41	114.177		
800.00	795.62	806.38	793.62	4.65	26.61	-117.59	-1,058.50	-2,923.50	3,138.23	3,106.97	31.26	100.405		
900.00	893.06	908.94	891.06	5.02	30.16	-117.76	-1,058.50	-2,923.50	3,148.89	3,113.72	35.17	89.525		
993.00	982.91	980.91	980.91	5.39	32.66	-117.93	-1,058.50	-2,923.50	3,160.38	3,122.35	38.04	83.081		
1,000.00	989.65	987.65	987.65	5.42	32.90	-117.96	-1,058.50	-2,923.50	3,161.31	3,123.00	38.30	82.533		
1,100.00	1,085.84	1,083.84	1,083.84	5.86	36.24	-118.38	-1,058.50	-2,923.50	3,174.60	3,132.53	42.07	75.461		
1,200.00	1,182.03	1,180.03	1,180.03	6.32	39.59	-118.80	-1,058.50	-2,923.50	3,188.07	3,142.21	45.86	69.521		
1,300.00	1,278.22	1,276.22	1,276.22	6.79	42.93	-119.22	-1,058.50	-2,923.50	3,201.72	3,152.06	49.66	64.468		
1,400.00	1,374.42	1,372.42	1,372.42	7.28	46.28	-119.63	-1,058.50	-2,923.50	3,215.54	3,162.06	53.48	60.121		
1,500.00	1,470.61	1,468.61	1,468.61	7.79	49.63	-120.04	-1,058.50	-2,923.50	3,229.54	3,172.22	57.32	56.346		
1,600.00	1,566.80	1,564.80	1,564.80	8.30	52.98	-120.44	-1,058.50	-2,923.50	3,243.70	3,182.54	61.16	53.039		
1,700.00	1,663.00	1,661.00	1,661.00	8.82	56.34	-120.85	-1,058.50	-2,923.50	3,258.03	3,193.03	65.00	50.120		
1,800.00	1,759.19	1,757.19	1,757.19	9.34	59.69	-121.25	-1,058.50	-2,923.50	3,272.53	3,203.67	68.86	47.525		
1,900.00	1,855.38	1,853.38	1,853.38	9.87	63.04	-121.64	-1,058.50	-2,923.50	3,287.19	3,214.47	72.72	45.205		
2,000.00	1,951.58	1,949.58	1,949.58	10.41	66.40	-122.03	-1,058.50	-2,923.50	3,302.01	3,225.43	76.58	43.118		
2,100.00	2,047.77	2,045.77	2,045.77	10.95	69.75	-122.42	-1,058.50	-2,923.50	3,316.99	3,236.55	80.45	41.232		
2,200.00	2,143.96	2,141.96	2,141.96	11.49	73.10	-122.81	-1,058.50	-2,923.50	3,332.13	3,247.81	84.32	39.520		
2,300.00	2,240.16	2,238.16	2,238.16	12.04	76.46	-123.19	-1,058.50	-2,923.50	3,347.42	3,259.24	88.19	37.959		
2,400.00	2,336.35	2,334.35	2,334.35	12.58	79.81	-123.57	-1,058.50	-2,923.50	3,362.87	3,270.81	92.06	36.530		
2,500.00	2,432.54	2,430.54	2,430.54	13.13	83.17	-123.95	-1,058.50	-2,923.50	3,378.46	3,282.53	95.93	35.217		
2,600.00	2,528.74	2,526.74	2,526.74	13.69	86.53	-124.32	-1,058.50	-2,923.50	3,394.20	3,294.40	99.81	34.008		
2,700.00	2,624.93	2,622.93	2,622.93	14.24	89.88	-124.69	-1,058.50	-2,923.50	3,410.09	3,306.41	103.68	32.890		
2,800.00	2,721.12	2,719.12	2,719.12	14.80	93.24	-125.06	-1,058.50	-2,923.50	3,426.13	3,318.57	107.56	31.853		
2,900.00	2,817.32	2,815.32	2,815.32	15.35	96.59	-125.42	-1,058.50	-2,923.50	3,442.30	3,330.87	111.44	30.890		
3,000.00	2,913.51	2,911.51	2,911.51	15.91	99.95	-125.78	-1,058.50	-2,923.50	3,458.62	3,343.31	115.31	29.993		
3,100.00	3,009.70	3,007.70	3,007.70	16.47	103.31	-126.14	-1,058.50	-2,923.50	3,475.08	3,355.88	119.19	29.155		
3,200.00	3,105.90	3,103.90	3,103.90	17.03	106.66	-126.49	-1,058.50	-2,923.50	3,491.67	3,368.60	123.07	28.372		
3,300.00	3,202.09	3,200.09	3,200.09	17.59	110.02	-126.84	-1,058.50	-2,923.50	3,508.39	3,381.45	126.95	27.637		
3,400.00	3,298.28	3,303.72	3,296.28	18.15	113.63	-127.19	-1,058.50	-2,923.50	3,525.25	3,394.17	131.08	26.893		
3,500.00	3,394.48	3,407.52	3,392.48	18.72	117.26	-127.53	-1,058.50	-2,923.50	3,542.24	3,407.01	135.23	26.195		
3,600.00	3,490.67	3,488.67	3,488.67	19.28	120.09	-127.87	-1,058.50	-2,923.50	3,559.36	3,420.78	138.58	25.685		
3,700.00	3,586.86	3,584.86	3,584.86	19.84	123.45	-128.21	-1,058.50	-2,923.50	3,576.60	3,434.15	142.46	25.107		
3,800.00	3,683.06	3,681.06	3,681.06	20.41	126.80	-128.54	-1,058.50	-2,923.50	3,593.97	3,447.64	146.33	24.560		
3,900.00	3,779.25	3,777.25	3,777.25	20.97	130.16	-128.87	-1,058.50	-2,923.50	3,611.46	3,461.26	150.21	24.043		
4,000.00	3,875.44	3,873.44	3,873.44	21.54	133.52	-129.20	-1,058.50	-2,923.50	3,629.08	3,474.99	154.08	23.553		
4,100.00	3,971.64	3,969.64	3,969.64	22.11	136.87	-129.53	-1,058.50	-2,923.50	3,646.81	3,488.85	157.96	23.087		
4,200.00	4,067.83	4,065.83	4,065.83	22.67	140.23	-129.85	-1,058.50	-2,923.50	3,664.66	3,502.83	161.83	22.644		
4,300.00	4,164.02	4,162.02	4,162.02	23.24	143.59	-130.17	-1,058.50	-2,923.50	3,682.63	3,516.92	165.71	22.223		
4,400.00	4,260.22	4,258.22	4,258.22	23.81	146.95	-130.49	-1,058.50	-2,923.50	3,700.72	3,531.13	169.58	21.822		
4,500.00	4,356.41	4,354.41	4,354.41	24.37	150.30	-130.80	-1,058.50	-2,923.50	3,718.91	3,545.45	173.46	21.440		
4,600.00	4,452.60	4,450.60	4,450.60	24.94	153.66	-131.11	-1,058.50	-2,923.50	3,737.22	3,559.89	177.33	21.075		
4,700.00	4,548.79	4,546.79	4,546.79	25.51	157.02	-131.42	-1,058.50	-2,923.50	3,755.63	3,574.43	181.20	20.726		
4,800.00	4,644.99	4,642.99	4,642.99	26.08	160.38	-131.72	-1,058.50	-2,923.50	3,774.16	3,589.08	185.07	20.393		
4,900.00	4,741.18	4,739.18	4,739.18	26.65	163.73	-132.02	-1,058.50	-2,923.50	3,792.79	3,603.84	188.95	20.073		
5,000.00	4,837.37	4,835.37	4,835.37	27.21	167.09	-132.32	-1,058.50	-2,923.50	3,811.53	3,618.71	192.82	19.768		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,931.57	4,931.57	27.78	170.45	132.62	-1,058.50	-2,923.50	3,830.37	3,633.68	196.69	19.474		
5,200.00	5,029.76	5,027.76	5,027.76	28.35	173.80	132.91	-1,058.50	-2,923.50	3,849.31	3,648.75	200.56	19.193		
5,300.00	5,125.95	5,123.95	5,123.95	28.92	177.16	133.20	-1,058.50	-2,923.50	3,868.35	3,663.92	204.43	18.923		
5,400.00	5,222.15	5,220.15	5,220.15	29.49	180.52	133.49	-1,058.50	-2,923.50	3,887.49	3,679.19	208.30	18.663		
5,500.00	5,318.34	5,316.34	5,316.34	30.06	183.88	133.77	-1,058.50	-2,923.50	3,906.73	3,694.56	212.16	18.414		
5,600.00	5,414.53	5,412.53	5,412.53	30.63	187.24	134.06	-1,058.50	-2,923.50	3,926.06	3,710.03	216.03	18.174		
5,700.00	5,510.73	5,508.73	5,508.73	31.20	190.59	134.34	-1,058.50	-2,923.50	3,945.49	3,725.59	219.90	17.942		
5,800.00	5,606.92	5,604.92	5,604.92	31.77	193.95	134.61	-1,058.50	-2,923.50	3,965.01	3,741.24	223.76	17.720		
5,900.00	5,703.11	5,701.11	5,701.11	32.34	197.31	134.89	-1,058.50	-2,923.50	3,984.62	3,756.99	227.63	17.505		
6,000.00	5,799.31	5,802.69	5,797.31	32.91	200.85	135.16	-1,058.50	-2,923.50	4,004.33	3,772.64	231.68	17.284		
6,100.00	5,895.50	5,906.50	5,893.50	33.48	204.48	135.43	-1,058.50	-2,923.50	4,024.12	3,788.30	235.82	17.065		
6,200.00	5,991.69	5,989.69	5,989.69	34.05	207.38	135.70	-1,058.50	-2,923.50	4,044.00	3,804.77	239.23	16.904		
6,300.00	6,087.89	6,085.89	6,085.89	34.62	210.74	135.96	-1,058.50	-2,923.50	4,063.97	3,820.88	243.09	16.718		
6,400.00	6,184.08	6,182.08	6,182.08	35.19	214.10	136.22	-1,058.50	-2,923.50	4,084.02	3,837.07	246.95	16.538		
6,500.00	6,280.27	6,278.27	6,278.27	35.77	217.45	136.48	-1,058.50	-2,923.50	4,104.16	3,853.34	250.82	16.363		
6,535.30	6,314.23	6,312.23	6,312.23	35.97	218.64	136.57	-1,058.50	-2,923.50	4,111.28	3,859.10	252.18	16.303		
6,550.00	6,328.40	6,326.40	6,326.40	36.05	219.13	133.18	-1,058.50	-2,923.50	4,114.09	3,861.34	252.75	16.277		
6,600.00	6,377.01	6,375.01	6,375.01	36.31	220.83	118.08	-1,058.50	-2,923.50	4,121.14	3,866.45	254.69	16.181		
6,650.00	6,426.00	6,424.00	6,424.00	36.54	222.54	97.20	-1,058.50	-2,923.50	4,124.30	3,867.68	256.62	16.072		
6,700.00	6,475.08	6,473.08	6,473.08	36.73	224.25	74.45	-1,058.50	-2,923.50	4,123.56	3,865.04	258.53	15.950		
6,750.00	6,523.94	6,521.94	6,521.94	36.90	225.96	55.96	-1,058.50	-2,923.50	4,118.93	3,858.53	260.40	15.818		
6,800.00	6,572.28	6,570.28	6,570.28	37.05	227.65	43.31	-1,058.50	-2,923.50	4,110.42	3,848.20	262.22	15.675		
6,850.00	6,619.81	6,617.81	6,617.81	37.19	229.31	34.97	-1,058.50	-2,923.50	4,098.10	3,834.11	263.99	15.524		
6,900.00	6,666.23	6,664.23	6,664.23	37.32	230.93	29.36	-1,058.50	-2,923.50	4,082.04	3,816.34	265.70	15.363		
6,950.00	6,711.25	6,709.25	6,709.25	37.46	232.50	25.47	-1,058.50	-2,923.50	4,062.34	3,795.00	267.34	15.195		
7,000.00	6,754.60	6,752.60	6,752.60	37.61	234.01	22.69	-1,058.50	-2,923.50	4,039.11	3,770.21	268.90	15.021		
7,050.00	6,796.01	6,805.99	6,794.01	37.77	235.88	20.67	-1,058.50	-2,923.50	4,012.50	3,741.71	270.79	14.818		
7,100.00	6,835.22	6,833.22	6,833.22	37.94	236.83	19.20	-1,058.50	-2,923.50	3,982.68	3,710.92	271.76	14.655		
7,150.00	6,871.99	6,869.99	6,869.99	38.12	238.11	18.15	-1,058.50	-2,923.50	3,949.81	3,676.77	273.04	14.466		
7,200.00	6,906.10	6,904.10	6,904.10	38.34	239.30	17.44	-1,058.50	-2,923.50	3,914.12	3,639.89	274.23	14.273		
7,250.00	6,937.34	6,935.34	6,935.34	38.57	240.39	17.03	-1,058.50	-2,923.50	3,875.80	3,600.50	275.30	14.079		
7,300.00	6,965.51	6,963.51	6,963.51	38.84	241.37	16.91	-1,058.50	-2,923.50	3,835.10	3,558.85	276.25	13.882		
7,350.00	6,990.44	6,988.44	6,988.44	39.14	242.24	17.10	-1,058.50	-2,923.50	3,792.26	3,515.17	277.09	13.686		
7,400.00	7,011.97	7,009.97	7,009.97	39.47	243.00	17.68	-1,058.50	-2,923.50	3,747.56	3,469.74	277.81	13.489		
7,450.00	7,029.98	7,027.98	7,027.98	39.85	243.62	18.80	-1,058.50	-2,923.50	3,701.25	3,422.84	278.41	13.294		
7,500.00	7,044.34	7,042.34	7,042.34	40.26	244.13	20.84	-1,058.50	-2,923.50	3,653.62	3,374.74	278.88	13.101		
7,550.00	7,054.99	7,052.99	7,052.99	40.72	244.50	24.78	-1,058.50	-2,923.50	3,604.97	3,325.74	279.22	12.911		
7,600.00	7,061.83	7,059.83	7,059.83	41.21	244.74	34.01	-1,058.50	-2,923.50	3,555.58	3,276.14	279.44	12.724		
7,650.00	7,064.85	7,062.85	7,062.85	41.73	244.84	67.47	-1,058.50	-2,923.50	3,505.78	3,226.24	279.53	12.542		
7,661.89	7,065.00	7,063.00	7,063.00	41.86	244.85	86.00	-1,058.50	-2,923.50	3,493.90	3,214.37	279.54	12.499		
7,700.00	7,065.13	7,063.13	7,063.13	42.28	244.85	86.04	-1,058.50	-2,923.50	3,455.84	3,176.30	279.54	12.363		
7,800.00	7,065.47	7,063.47	7,063.47	43.53	244.86	86.16	-1,058.50	-2,923.50	3,355.97	3,076.43	279.53	12.006		
7,900.00	7,065.82	7,063.82	7,063.82	44.94	244.87	86.27	-1,058.50	-2,923.50	3,256.10	2,976.57	279.53	11.648		
8,000.00	7,066.16	7,064.16	7,064.16	46.50	244.89	86.38	-1,058.50	-2,923.50	3,156.24	2,876.71	279.54	11.291		
8,100.00	7,066.50	7,064.50	7,064.50	48.19	244.90	86.50	-1,058.50	-2,923.50	3,056.40	2,776.86	279.54	10.934		
8,200.00	7,066.85	7,064.85	7,064.85	50.00	244.91	86.61	-1,058.50	-2,923.50	2,956.56	2,677.02	279.54	10.576		
8,300.00	7,067.19	7,065.19	7,065.19	51.91	244.92	86.73	-1,058.50	-2,923.50	2,856.74	2,577.19	279.55	10.219		
8,400.00	7,067.54	7,065.54	7,065.54	53.92	244.93	86.84	-1,058.50	-2,923.50	2,756.92	2,477.36	279.56	9.862		
8,500.00	7,067.88	7,065.88	7,065.88	56.01	244.95	86.96	-1,058.50	-2,923.50	2,657.12	2,377.55	279.57	9.504		
8,600.00	7,068.22	7,066.22	7,066.22	58.16	244.96	87.07	-1,058.50	-2,923.50	2,557.34	2,277.76	279.59	9.147		
8,700.00	7,068.57	7,066.57	7,066.57	60.38	244.97	87.19	-1,058.50	-2,923.50	2,457.58	2,177.97	279.60	8.790		
8,800.00	7,068.91	7,066.91	7,066.91	62.65	244.98	87.30	-1,058.50	-2,923.50	2,357.83	2,078.21	279.63	8.432		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,067.25	7,067.25	64.97	244.99	87.42	-1,058.50	-2,923.50	2,258.11	1,978.45	279.65	8.075		
9,000.00	7,069.60	7,067.60	7,067.60	67.34	245.01	87.53	-1,058.50	-2,923.50	2,158.41	1,878.72	279.69	7.717		
9,100.00	7,069.94	7,067.94	7,067.94	69.74	245.02	87.64	-1,058.50	-2,923.50	2,058.74	1,779.01	279.73	7.360		
9,200.00	7,070.28	7,068.28	7,068.28	72.18	245.03	87.76	-1,058.50	-2,923.50	1,959.11	1,679.33	279.78	7.002		
9,300.00	7,070.63	7,068.63	7,068.63	74.65	245.04	87.87	-1,058.50	-2,923.50	1,859.51	1,579.67	279.84	6.645		
9,400.00	7,070.97	7,068.97	7,068.97	77.15	245.05	87.99	-1,058.50	-2,923.50	1,759.96	1,480.04	279.92	6.287		
9,500.00	7,071.32	7,069.32	7,069.32	79.67	245.07	88.10	-1,058.50	-2,923.50	1,660.47	1,380.44	280.02	5.930		
9,600.00	7,071.66	7,069.66	7,069.66	82.22	245.08	88.22	-1,058.50	-2,923.50	1,561.04	1,280.89	280.15	5.572		
9,700.00	7,072.00	7,070.00	7,070.00	84.78	245.09	88.33	-1,058.50	-2,923.50	1,461.68	1,181.37	280.31	5.215		
9,800.00	7,072.35	7,070.35	7,070.35	87.37	245.10	88.45	-1,058.50	-2,923.50	1,362.42	1,081.91	280.52	4.857		
9,900.00	7,072.69	7,070.69	7,070.69	89.97	245.11	88.56	-1,058.50	-2,923.50	1,263.28	982.49	280.79	4.499		
10,000.00	7,073.03	7,071.03	7,071.03	92.59	245.13	88.68	-1,058.50	-2,923.50	1,164.29	883.14	281.15	4.141		
10,100.00	7,073.38	7,071.38	7,071.38	95.22	245.14	88.79	-1,058.50	-2,923.50	1,065.48	783.85	281.63	3.783		
10,200.00	7,073.72	7,071.72	7,071.72	97.86	245.15	88.91	-1,058.50	-2,923.50	966.92	684.62	282.30	3.425		
10,300.00	7,074.07	7,072.07	7,072.07	100.52	245.16	89.02	-1,058.50	-2,923.50	868.68	585.46	283.23	3.067		
10,400.00	7,074.41	7,072.41	7,072.41	103.19	245.17	89.14	-1,058.50	-2,923.50	770.90	486.34	284.56	2.709		
10,500.00	7,074.75	7,072.75	7,072.75	105.87	245.19	89.25	-1,058.50	-2,923.50	673.77	387.26	286.52	2.352		
10,600.00	7,075.10	7,073.10	7,073.10	108.55	245.20	89.37	-1,058.50	-2,923.50	577.63	288.13	289.49	1.995		
10,700.00	7,075.44	7,073.44	7,073.44	111.25	245.21	89.48	-1,058.50	-2,923.50	483.04	188.88	294.16	1.642		
10,800.00	7,075.78	7,073.78	7,073.78	113.96	245.22	89.60	-1,058.50	-2,923.50	391.17	89.40	301.77	1.296 Level 3		
10,900.00	7,076.13	7,074.13	7,074.13	116.67	245.23	89.71	-1,058.50	-2,923.50	304.45	-10.07	314.53	0.968 Level 1		
11,000.00	7,076.47	7,074.47	7,074.47	119.39	245.25	89.83	-1,058.50	-2,923.50	228.85	-106.65	335.50	0.682 Level 1		
11,100.00	7,076.81	7,074.81	7,074.81	122.11	245.26	89.94	-1,058.50	-2,923.50	179.03	-182.60	361.63	0.495 Level 1		
11,151.60	7,076.99	7,074.99	7,074.99	123.52	245.26	90.00	-1,058.50	-2,923.50	171.43	-197.31	368.74	0.465 Level 1, CC, ES, SF		
11,200.00	7,077.16	7,075.16	7,075.16	124.85	245.27	90.06	-1,058.50	-2,923.50	178.13	-188.53	366.65	0.486 Level 1		
11,300.00	7,077.50	7,075.50	7,075.50	127.58	245.28	90.17	-1,058.50	-2,923.50	226.74	-119.81	346.55	0.654 Level 1		
11,400.00	7,077.85	7,075.85	7,075.85	130.33	245.29	90.29	-1,058.50	-2,923.50	301.81	-25.53	327.34	0.922 Level 1		
11,500.00	7,078.19	7,076.19	7,076.19	133.08	245.31	90.40	-1,058.50	-2,923.50	388.29	73.60	314.68	1.234 Level 2		
11,600.00	7,078.53	7,076.53	7,076.53	135.83	245.32	90.52	-1,058.50	-2,923.50	480.05	173.47	306.58	1.566		
11,700.00	7,078.88	7,076.88	7,076.88	138.59	245.33	90.63	-1,058.50	-2,923.50	574.56	273.35	301.21	1.908		
11,800.00	7,079.22	7,077.22	7,077.22	141.35	245.34	90.74	-1,058.50	-2,923.50	670.67	373.17	297.50	2.254		
11,900.00	7,079.56	7,077.56	7,077.56	144.11	245.35	90.86	-1,058.50	-2,923.50	767.77	472.93	294.85	2.604		
12,000.00	7,079.91	7,077.91	7,077.91	146.88	245.37	90.97	-1,058.50	-2,923.50	865.54	572.65	292.89	2.955		
12,100.00	7,080.25	7,078.25	7,078.25	149.66	245.38	91.09	-1,058.50	-2,923.50	963.76	672.36	291.40	3.307		
12,200.00	7,080.60	7,078.60	7,078.60	152.43	245.39	91.20	-1,058.50	-2,923.50	1,062.31	772.07	290.24	3.660		
12,300.00	7,080.94	7,078.94	7,078.94	155.21	245.40	91.32	-1,058.50	-2,923.50	1,161.11	871.79	289.33	4.013		
12,400.00	7,081.28	7,079.28	7,079.28	157.99	245.41	91.43	-1,058.50	-2,923.50	1,260.10	971.51	288.60	4.366		
12,500.00	7,081.63	7,079.63	7,079.63	160.78	245.43	91.55	-1,058.50	-2,923.50	1,359.24	1,071.24	288.00	4.720		
12,600.00	7,081.97	7,079.97	7,079.97	163.57	245.44	91.66	-1,058.50	-2,923.50	1,458.50	1,170.98	287.51	5.073		
12,700.00	7,082.31	7,080.31	7,080.31	166.36	245.45	91.78	-1,058.50	-2,923.50	1,557.85	1,270.74	287.11	5.426		
12,800.00	7,082.66	7,080.66	7,080.66	169.15	245.46	91.89	-1,058.50	-2,923.50	1,657.28	1,370.50	286.77	5.779		
12,900.00	7,083.00	7,081.00	7,081.00	171.94	245.47	92.01	-1,058.50	-2,923.50	1,756.77	1,470.28	286.49	6.132		
13,000.00	7,083.35	7,081.35	7,081.35	174.74	245.49	92.12	-1,058.50	-2,923.50	1,856.32	1,570.06	286.25	6.485		
13,100.00	7,083.69	7,081.69	7,081.69	177.54	245.50	92.24	-1,058.50	-2,923.50	1,955.91	1,669.86	286.05	6.838		
13,200.00	7,084.03	7,082.03	7,082.03	180.34	245.51	92.35	-1,058.50	-2,923.50	2,055.54	1,769.66	285.89	7.190		
13,300.00	7,084.38	7,082.38	7,082.38	183.14	245.52	92.47	-1,058.50	-2,923.50	2,155.21	1,869.47	285.74	7.542		
13,400.00	7,084.72	7,082.72	7,082.72	185.95	245.53	92.58	-1,058.50	-2,923.50	2,254.91	1,969.28	285.63	7.895		
13,500.00	7,085.06	7,083.06	7,083.06	188.76	245.55	92.70	-1,058.50	-2,923.50	2,354.63	2,069.10	285.53	8.247		
13,600.00	7,085.41	7,083.41	7,083.41	191.56	245.56	92.81	-1,058.50	-2,923.50	2,454.38	2,168.93	285.44	8.598		
13,700.00	7,085.75	7,083.75	7,083.75	194.37	245.57	92.92	-1,058.50	-2,923.50	2,554.14	2,268.76	285.38	8.950		
13,800.00	7,086.09	7,084.09	7,084.09	197.18	245.58	93.04	-1,058.50	-2,923.50	2,653.92	2,368.60	285.32	9.302		
13,900.00	7,086.44	7,084.44	7,084.44	200.00	245.59	93.15	-1,058.50	-2,923.50	2,753.72	2,468.44	285.28	9.653		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,084.78	7,084.78	202.81	245.61	93.27	-1,058.50	-2,923.50	2,853.53	2,568.29	285.24	10.004		
14,100.00	7,087.13	7,085.13	7,085.13	205.63	245.62	93.38	-1,058.50	-2,923.50	2,953.36	2,668.14	285.22	10.355		
14,200.00	7,087.47	7,085.47	7,085.47	208.44	245.63	93.50	-1,058.50	-2,923.50	3,053.19	2,767.99	285.20	10.705		
14,300.00	7,087.81	7,085.81	7,085.81	211.26	245.64	93.61	-1,058.50	-2,923.50	3,153.04	2,867.84	285.20	11.056		
14,400.00	7,088.16	7,086.16	7,086.16	214.08	245.65	93.73	-1,058.50	-2,923.50	3,252.90	2,967.70	285.19	11.406		
14,500.00	7,088.50	7,086.50	7,086.50	216.90	245.67	93.84	-1,058.50	-2,923.50	3,352.76	3,067.56	285.20	11.756		
14,600.00	7,088.84	7,086.84	7,086.84	219.72	245.68	93.95	-1,058.50	-2,923.50	3,452.63	3,167.42	285.21	12.106		
14,700.00	7,089.19	7,087.19	7,087.19	222.54	245.69	94.07	-1,058.50	-2,923.50	3,552.51	3,267.29	285.23	12.455		
14,800.00	7,089.53	7,087.53	7,087.53	225.37	245.70	94.18	-1,058.50	-2,923.50	3,652.40	3,367.15	285.25	12.804		
14,900.00	7,089.88	7,087.88	7,087.88	228.19	245.71	94.30	-1,058.50	-2,923.50	3,752.29	3,467.02	285.27	13.153		
15,000.00	7,090.22	7,088.22	7,088.22	231.02	245.73	94.41	-1,058.50	-2,923.50	3,852.19	3,566.89	285.30	13.502		
15,100.00	7,090.56	7,088.56	7,088.56	233.84	245.74	94.53	-1,058.50	-2,923.50	3,952.09	3,666.76	285.33	13.851		
15,200.00	7,090.91	7,088.91	7,088.91	236.67	245.75	94.64	-1,058.50	-2,923.50	4,052.00	3,766.63	285.37	14.199		
15,227.29	7,091.00	7,089.00	7,089.00	237.44	245.75	94.67	-1,058.50	-2,923.50	4,079.27	3,793.89	285.38	14.294		
15,300.00	7,091.25	7,089.25	7,089.25	239.49	245.76	102.22	-1,058.50	-2,923.50	4,151.94	3,866.53	285.42	14.547		
15,326.57	7,091.35	7,089.35	7,089.35	240.24	245.77	117.37	-1,058.50	-2,923.50	4,178.51	3,893.08	285.43	14.639		
15,400.00	7,091.60	7,089.60	7,089.60	242.30	245.77	117.78	-1,058.50	-2,923.50	4,251.94	3,966.45	285.49	14.894		
15,500.00	7,091.96	7,089.96	7,089.96	245.12	245.79	118.33	-1,058.50	-2,923.50	4,351.94	4,066.37	285.56	15.240		
15,600.00	7,092.31	7,109.69	7,090.31	247.93	246.48	118.88	-1,058.50	-2,923.50	4,451.93	4,165.61	286.32	15.549		
15,700.00	7,092.66	7,109.34	7,090.66	250.75	246.46	119.42	-1,058.50	-2,923.50	4,551.93	4,265.56	286.37	15.895		
15,800.00	7,093.01	7,108.99	7,091.01	253.56	246.45	119.95	-1,058.50	-2,923.50	4,651.93	4,365.50	286.43	16.241		
15,900.00	7,093.36	7,108.64	7,091.36	256.38	246.44	120.48	-1,058.50	-2,923.50	4,751.93	4,465.44	286.48	16.587		
16,000.00	7,093.71	7,108.29	7,091.71	259.20	246.43	121.01	-1,058.50	-2,923.50	4,851.92	4,565.39	286.54	16.933		
16,100.00	7,094.07	7,107.93	7,092.07	262.02	246.41	121.53	-1,058.50	-2,923.50	4,951.92	4,665.33	286.60	17.278		
16,200.00	7,094.42	7,107.58	7,092.42	264.84	246.40	122.04	-1,058.50	-2,923.50	5,051.92	4,765.26	286.65	17.624		
16,300.00	7,094.77	7,107.23	7,092.77	267.65	246.39	122.55	-1,058.50	-2,923.50	5,151.92	4,865.20	286.71	17.969		
16,400.00	7,095.12	7,106.88	7,093.12	270.47	246.38	123.05	-1,058.50	-2,923.50	5,251.91	4,965.14	286.77	18.314		
16,500.00	7,095.47	7,106.53	7,093.47	273.30	246.37	123.54	-1,058.50	-2,923.50	5,351.91	5,065.08	286.83	18.659		
16,600.00	7,095.82	7,106.18	7,093.82	276.12	246.35	124.03	-1,058.50	-2,923.50	5,451.91	5,165.01	286.90	19.003		
16,700.00	7,096.18	7,105.82	7,094.18	278.94	246.34	124.52	-1,058.50	-2,923.50	5,551.91	5,264.95	286.96	19.347		
16,800.00	7,096.53	7,105.47	7,094.53	281.76	246.33	125.00	-1,058.50	-2,923.50	5,651.91	5,364.88	287.02	19.691		
16,900.00	7,096.88	7,105.12	7,094.88	284.58	246.32	125.47	-1,058.50	-2,923.50	5,751.90	5,464.82	287.09	20.035		
17,000.00	7,097.23	7,104.77	7,095.23	287.41	246.30	125.94	-1,058.50	-2,923.50	5,851.90	5,564.75	287.15	20.379		
17,100.00	7,097.58	7,104.42	7,095.58	290.23	246.29	126.40	-1,058.50	-2,923.50	5,951.90	5,664.68	287.22	20.722		
17,200.00	7,097.93	7,104.07	7,095.93	293.06	246.28	126.86	-1,058.50	-2,923.50	6,051.90	5,764.61	287.29	21.066		
17,300.00	7,098.29	7,103.71	7,096.29	295.88	246.27	127.31	-1,058.50	-2,923.50	6,151.90	5,864.54	287.36	21.409		
17,400.00	7,098.64	7,103.36	7,096.64	298.71	246.26	127.76	-1,058.50	-2,923.50	6,251.90	5,964.47	287.42	21.751		
17,500.00	7,098.99	7,103.01	7,096.99	301.53	246.24	128.20	-1,058.50	-2,923.50	6,351.89	6,064.40	287.49	22.094		
17,600.00	7,099.34	7,102.66	7,097.34	304.36	246.23	128.63	-1,058.50	-2,923.50	6,451.89	6,164.33	287.57	22.436		
17,700.00	7,099.69	7,102.31	7,097.69	307.19	246.22	129.07	-1,058.50	-2,923.50	6,551.89	6,264.25	287.64	22.778		
17,800.00	7,100.04	7,101.96	7,098.04	310.01	246.21	129.49	-1,058.50	-2,923.50	6,651.89	6,364.18	287.71	23.120		
17,900.00	7,100.40	7,101.60	7,098.40	312.84	246.19	129.91	-1,058.50	-2,923.50	6,751.89	6,464.11	287.78	23.462		
18,000.00	7,100.75	7,101.25	7,098.75	315.67	246.18	130.33	-1,058.50	-2,923.50	6,851.89	6,564.03	287.86	23.803		
18,100.00	7,101.10	7,100.90	7,099.10	318.50	246.17	130.74	-1,058.50	-2,923.50	6,951.88	6,663.95	287.93	24.144		
18,200.00	7,101.45	7,100.55	7,099.45	321.33	246.16	131.14	-1,058.50	-2,923.50	7,051.88	6,763.88	288.01	24.485		
18,300.00	7,101.80	7,100.20	7,099.80	324.16	246.14	131.54	-1,058.50	-2,923.50	7,151.88	6,863.80	288.08	24.826		
18,400.00	7,102.16	7,100.16	7,100.16	326.99	246.14	131.94	-1,058.50	-2,923.50	7,251.88	6,963.71	288.17	25.165		
18,500.00	7,102.51	7,100.51	7,100.51	329.82	246.16	132.33	-1,058.50	-2,923.50	7,351.88	7,063.61	288.27	25.503		
18,600.00	7,102.86	7,100.86	7,100.86	332.65	246.17	132.71	-1,058.50	-2,923.50	7,451.88	7,163.50	288.37	25.841		
18,700.00	7,103.21	7,101.21	7,101.21	335.48	246.18	133.09	-1,058.50	-2,923.50	7,551.88	7,263.40	288.48	26.178		
18,800.00	7,103.56	7,101.56	7,101.56	338.31	246.19	133.47	-1,058.50	-2,923.50	7,651.87	7,363.29	288.58	26.515		
18,900.00	7,103.91	7,101.91	7,101.91	341.14	246.20	133.84	-1,058.50	-2,923.50	7,751.87	7,463.19	288.69	26.852		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	7,102.00	7,102.00	341.83	246.21	133.93	-1,058.50	-2,923.50	7,776.39	7,487.67	288.71	26.935	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-176.88	-3,938.87	-214.73	3,944.78					
100.00	100.00	78.00	78.00	3.28	3.55	-176.88	-3,938.87	-214.73	3,944.72	3,937.88	6.84	577.046		
200.00	200.00	178.00	178.00	3.34	5.54	-176.88	-3,938.87	-214.73	3,944.72	3,935.84	8.88	444.220		
300.00	299.98	277.98	277.98	3.44	8.61	50.16	-3,938.87	-214.73	3,943.60	3,931.55	12.05	327.300		
400.00	399.84	377.84	377.84	3.59	11.91	50.27	-3,938.87	-214.73	3,940.25	3,924.75	15.50	254.233		
500.00	499.45	477.45	477.45	3.80	15.28	50.45	-3,938.87	-214.73	3,934.68	3,915.60	19.07	206.308		
600.00	598.70	576.70	576.70	4.04	18.68	50.71	-3,938.87	-214.73	3,926.90	3,904.19	22.71	172.885		
700.00	697.47	675.47	675.47	4.32	22.08	51.04	-3,938.87	-214.73	3,916.96	3,890.56	26.40	148.378		
800.00	795.62	773.62	773.62	4.65	25.47	51.44	-3,938.87	-214.73	3,904.88	3,874.77	30.11	129.688		
900.00	893.06	871.06	871.06	5.02	28.85	51.92	-3,938.87	-214.73	3,890.71	3,856.87	33.84	114.984		
993.00	982.91	960.91	960.91	5.39	31.97	52.44	-3,938.87	-214.73	3,875.70	3,838.39	37.31	103.875		
1,000.00	989.65	967.65	967.65	5.42	32.20	52.46	-3,938.87	-214.73	3,874.51	3,836.93	37.57	103.115		
1,100.00	1,085.84	1,063.84	1,063.84	5.86	35.54	52.77	-3,938.87	-214.73	3,857.51	3,816.19	41.32	93.352		
1,200.00	1,182.03	1,160.03	1,160.03	6.32	38.89	53.09	-3,938.87	-214.73	3,840.63	3,795.54	45.09	85.171		
1,300.00	1,278.22	1,256.22	1,256.22	6.79	42.24	53.41	-3,938.87	-214.73	3,823.87	3,774.99	48.88	78.225		
1,400.00	1,374.42	1,352.42	1,352.42	7.28	45.59	53.73	-3,938.87	-214.73	3,807.23	3,754.55	52.69	72.259		
1,500.00	1,470.61	1,448.61	1,448.61	7.79	48.94	54.06	-3,938.87	-214.73	3,790.72	3,734.22	56.51	67.084		
1,600.00	1,566.80	1,544.80	1,544.80	8.30	52.29	54.38	-3,938.87	-214.73	3,774.34	3,714.00	60.34	62.555		
1,700.00	1,663.00	1,641.00	1,641.00	8.82	55.64	54.71	-3,938.87	-214.73	3,758.08	3,693.90	64.17	58.560		
1,800.00	1,759.19	1,737.19	1,737.19	9.34	58.99	55.05	-3,938.87	-214.73	3,741.95	3,673.93	68.02	55.012		
1,900.00	1,855.38	1,833.38	1,833.38	9.87	62.34	55.38	-3,938.87	-214.73	3,725.95	3,654.07	71.87	51.840		
2,000.00	1,951.58	1,929.58	1,929.58	10.41	65.70	55.72	-3,938.87	-214.73	3,710.08	3,634.35	75.73	48.988		
2,100.00	2,047.77	2,025.77	2,025.77	10.95	69.05	56.06	-3,938.87	-214.73	3,694.35	3,614.75	79.60	46.412		
2,200.00	2,143.96	2,121.96	2,121.96	11.49	72.41	56.41	-3,938.87	-214.73	3,678.75	3,595.28	83.47	44.074		
2,300.00	2,240.16	2,218.16	2,218.16	12.04	75.76	56.75	-3,938.87	-214.73	3,663.29	3,575.95	87.34	41.942		
2,400.00	2,336.35	2,314.35	2,314.35	12.58	79.12	57.10	-3,938.87	-214.73	3,647.97	3,556.75	91.22	39.991		
2,500.00	2,432.54	2,410.54	2,410.54	13.13	82.47	57.45	-3,938.87	-214.73	3,632.79	3,537.69	95.10	38.199		
2,600.00	2,528.74	2,506.74	2,506.74	13.69	85.83	57.81	-3,938.87	-214.73	3,617.75	3,518.77	98.99	36.548		
2,700.00	2,624.93	2,602.93	2,602.93	14.24	89.18	58.17	-3,938.87	-214.73	3,602.86	3,499.99	102.87	35.022		
2,800.00	2,721.12	2,700.88	2,699.12	14.80	92.60	58.53	-3,938.87	-214.73	3,588.12	3,481.29	106.83	33.589		
2,900.00	2,817.32	2,804.68	2,795.32	15.35	96.22	58.89	-3,938.87	-214.73	3,573.52	3,462.53	110.98	32.199		
3,000.00	2,913.51	2,908.49	2,891.51	15.91	99.84	59.26	-3,938.87	-214.73	3,559.07	3,443.92	115.15	30.909		
3,100.00	3,009.70	2,987.70	2,987.70	16.47	102.61	59.63	-3,938.87	-214.73	3,544.77	3,426.32	118.45	29.926		
3,200.00	3,105.90	3,083.90	3,083.90	17.03	105.96	60.00	-3,938.87	-214.73	3,530.63	3,408.28	122.35	28.857		
3,300.00	3,202.09	3,180.09	3,180.09	17.59	109.32	60.37	-3,938.87	-214.73	3,516.65	3,390.39	126.25	27.854		
3,400.00	3,298.28	3,276.28	3,276.28	18.15	112.68	60.75	-3,938.87	-214.73	3,502.82	3,372.66	130.16	26.912		
3,500.00	3,394.48	3,372.48	3,372.48	18.72	116.03	61.13	-3,938.87	-214.73	3,489.15	3,355.08	134.06	26.026		
3,600.00	3,490.67	3,468.67	3,468.67	19.28	119.39	61.51	-3,938.87	-214.73	3,475.64	3,337.66	137.97	25.191		
3,700.00	3,586.86	3,564.86	3,564.86	19.84	122.75	61.90	-3,938.87	-214.73	3,462.29	3,320.41	141.88	24.402		
3,800.00	3,683.06	3,661.06	3,661.06	20.41	126.10	62.29	-3,938.87	-214.73	3,449.11	3,303.31	145.80	23.657		
3,900.00	3,779.25	3,757.25	3,757.25	20.97	129.46	62.68	-3,938.87	-214.73	3,436.09	3,286.38	149.71	22.952		
4,000.00	3,875.44	3,853.44	3,853.44	21.54	132.82	63.07	-3,938.87	-214.73	3,423.25	3,269.62	153.62	22.283		
4,100.00	3,971.64	3,949.64	3,949.64	22.11	136.18	63.47	-3,938.87	-214.73	3,410.57	3,253.03	157.54	21.649		
4,200.00	4,067.83	4,045.83	4,045.83	22.67	139.53	63.87	-3,938.87	-214.73	3,398.07	3,236.61	161.46	21.046		
4,300.00	4,164.02	4,142.02	4,142.02	23.24	142.89	64.27	-3,938.87	-214.73	3,385.74	3,220.36	165.38	20.472		
4,400.00	4,260.22	4,238.22	4,238.22	23.81	146.25	64.68	-3,938.87	-214.73	3,373.59	3,204.29	169.30	19.926		
4,500.00	4,356.41	4,334.41	4,334.41	24.37	149.60	65.08	-3,938.87	-214.73	3,361.62	3,188.39	173.23	19.406		
4,600.00	4,452.60	4,430.60	4,430.60	24.94	152.96	65.50	-3,938.87	-214.73	3,349.82	3,172.67	177.15	18.910		
4,700.00	4,548.79	4,526.79	4,526.79	25.51	156.32	65.91	-3,938.87	-214.73	3,338.21	3,157.14	181.08	18.435		
4,800.00	4,644.99	4,622.99	4,622.99	26.08	159.68	66.32	-3,938.87	-214.73	3,326.79	3,141.78	185.00	17.982		
4,900.00	4,741.18	4,719.18	4,719.18	26.65	163.03	66.74	-3,938.87	-214.73	3,315.54	3,126.61	188.93	17.549		
5,000.00	4,837.37	4,815.37	4,815.37	27.21	166.39	67.16	-3,938.87	-214.73	3,304.49	3,111.63	192.86	17.134		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,911.57	4,911.57	27.78	169.75	67.59	-3,938.87	-214.73	3,293.63	3,096.83	196.79	16.737		
5,200.00	5,029.76	5,007.76	5,007.76	28.35	173.11	68.02	-3,938.87	-214.73	3,282.95	3,082.23	200.72	16.355		
5,300.00	5,125.95	5,103.95	5,103.95	28.92	176.46	68.44	-3,938.87	-214.73	3,272.47	3,067.82	204.66	15.990		
5,400.00	5,222.15	5,200.15	5,200.15	29.49	179.82	68.88	-3,938.87	-214.73	3,262.19	3,053.60	208.59	15.639		
5,500.00	5,318.34	5,303.66	5,296.34	30.06	183.43	69.31	-3,938.87	-214.73	3,252.10	3,039.32	212.78	15.284		
5,600.00	5,414.53	5,407.47	5,392.53	30.63	187.06	69.75	-3,938.87	-214.73	3,242.22	3,025.23	216.99	14.942		
5,700.00	5,510.73	5,488.73	5,488.73	31.20	189.89	70.19	-3,938.87	-214.73	3,232.53	3,012.13	220.40	14.666		
5,800.00	5,606.92	5,584.92	5,584.92	31.77	193.25	70.63	-3,938.87	-214.73	3,223.05	2,998.70	224.34	14.367		
5,900.00	5,703.11	5,681.11	5,681.11	32.34	196.61	71.07	-3,938.87	-214.73	3,213.77	2,985.48	228.28	14.078		
6,000.00	5,799.31	5,777.31	5,777.31	32.91	199.97	71.52	-3,938.87	-214.73	3,204.69	2,972.47	232.22	13.800		
6,100.00	5,895.50	5,873.50	5,873.50	33.48	203.33	71.97	-3,938.87	-214.73	3,195.83	2,959.66	236.16	13.532		
6,200.00	5,991.69	5,969.69	5,969.69	34.05	206.68	72.42	-3,938.87	-214.73	3,187.17	2,947.07	240.10	13.274		
6,300.00	6,087.89	6,065.89	6,065.89	34.62	210.04	72.87	-3,938.87	-214.73	3,178.73	2,934.68	244.05	13.025		
6,400.00	6,184.08	6,162.08	6,162.08	35.19	213.40	73.33	-3,938.87	-214.73	3,170.49	2,922.50	247.99	12.785		
6,500.00	6,280.27	6,258.27	6,258.27	35.77	216.76	73.78	-3,938.87	-214.73	3,162.48	2,910.54	251.94	12.553		
6,535.30	6,314.23	6,307.77	6,292.23	35.97	218.48	73.95	-3,938.87	-214.73	3,159.70	2,905.83	253.87	12.446		
6,550.00	6,328.40	6,306.40	6,306.40	36.05	218.44	70.49	-3,938.87	-214.73	3,158.47	2,904.56	253.91	12.439		
6,600.00	6,377.01	6,355.01	6,355.01	36.31	220.13	55.02	-3,938.87	-214.73	3,153.15	2,897.28	255.87	12.323		
6,650.00	6,426.00	6,404.00	6,404.00	36.54	221.84	33.57	-3,938.87	-214.73	3,146.06	2,888.25	257.81	12.203		
6,700.00	6,475.08	6,453.08	6,453.08	36.73	223.56	10.03	-3,938.87	-214.73	3,137.21	2,877.50	259.71	12.079		
6,750.00	6,523.94	6,501.94	6,501.94	36.90	225.26	-9.48	-3,938.87	-214.73	3,126.66	2,865.08	261.59	11.953		
6,800.00	6,572.28	6,550.28	6,550.28	37.05	226.95	-23.37	-3,938.87	-214.73	3,114.48	2,851.05	263.43	11.823		
6,850.00	6,619.81	6,602.19	6,597.81	37.19	228.76	-33.17	-3,938.87	-214.73	3,100.73	2,835.34	265.39	11.684		
6,900.00	6,666.23	6,644.23	6,644.23	37.32	230.23	-40.48	-3,938.87	-214.73	3,085.54	2,818.54	267.01	11.556		
6,950.00	6,711.25	6,689.25	6,689.25	37.46	231.80	-46.30	-3,938.87	-214.73	3,069.04	2,800.31	268.74	11.420		
7,000.00	6,754.60	6,732.60	6,732.60	37.61	233.31	-51.22	-3,938.87	-214.73	3,051.37	2,780.96	270.42	11.284		
7,050.00	6,796.01	6,774.01	6,774.01	37.77	234.76	-55.59	-3,938.87	-214.73	3,032.71	2,760.66	272.04	11.148		
7,100.00	6,835.22	6,813.22	6,813.22	37.94	236.13	-59.59	-3,938.87	-214.73	3,013.22	2,739.61	273.61	11.013		
7,150.00	6,871.99	6,849.99	6,849.99	38.12	237.41	-63.35	-3,938.87	-214.73	2,993.12	2,718.01	275.11	10.880		
7,200.00	6,906.10	6,884.10	6,884.10	38.34	238.60	-66.91	-3,938.87	-214.73	2,972.60	2,696.06	276.55	10.749		
7,250.00	6,937.34	6,915.34	6,915.34	38.57	239.69	-70.29	-3,938.87	-214.73	2,951.89	2,673.98	277.91	10.622		
7,300.00	6,965.51	6,943.51	6,943.51	38.84	240.68	-73.51	-3,938.87	-214.73	2,931.20	2,652.01	279.19	10.499		
7,350.00	6,990.44	6,968.44	6,968.44	39.14	241.55	-76.54	-3,938.87	-214.73	2,910.75	2,630.35	280.40	10.381		
7,400.00	7,011.97	6,989.97	6,989.97	39.47	242.30	-79.36	-3,938.87	-214.73	2,890.76	2,609.24	281.52	10.268		
7,450.00	7,029.98	7,007.98	7,007.98	39.85	242.93	-81.95	-3,938.87	-214.73	2,871.44	2,588.89	282.55	10.162		
7,500.00	7,044.34	7,022.34	7,022.34	40.26	243.43	-84.30	-3,938.87	-214.73	2,853.00	2,569.50	283.50	10.064		
7,550.00	7,054.99	7,032.99	7,032.99	40.72	243.80	-86.37	-3,938.87	-214.73	2,835.62	2,551.27	284.35	9.972		
7,600.00	7,061.83	7,039.83	7,039.83	41.21	244.04	-88.15	-3,938.87	-214.73	2,819.47	2,534.38	285.10	9.890		
7,650.00	7,064.85	7,042.85	7,042.85	41.73	244.14	-89.64	-3,938.87	-214.73	2,804.71	2,518.97	285.74	9.816		
7,661.89	7,065.00	7,043.00	7,043.00	41.86	244.15	-89.94	-3,938.87	-214.73	2,801.41	2,515.54	285.88	9.799		
7,700.00	7,065.13	7,043.13	7,043.13	42.28	244.15	-89.95	-3,938.87	-214.73	2,791.24	2,504.92	286.32	9.749		
7,800.00	7,065.47	7,043.47	7,043.47	43.53	244.16	-89.95	-3,938.87	-214.73	2,766.85	2,479.26	287.59	9.621		
7,900.00	7,065.82	7,043.82	7,043.82	44.94	244.18	-89.96	-3,938.87	-214.73	2,745.89	2,456.87	289.02	9.501		
8,000.00	7,066.16	7,044.16	7,044.16	46.50	244.19	-89.97	-3,938.87	-214.73	2,728.43	2,437.85	290.58	9.390		
8,100.00	7,066.50	7,044.50	7,044.50	48.19	244.20	-89.98	-3,938.87	-214.73	2,714.55	2,422.29	292.26	9.288		
8,200.00	7,066.85	7,044.85	7,044.85	50.00	244.21	-89.98	-3,938.87	-214.73	2,704.30	2,410.26	294.04	9.197		
8,300.00	7,067.19	7,045.19	7,045.19	51.91	244.22	-89.99	-3,938.87	-214.73	2,697.72	2,401.82	295.90	9.117		
8,400.00	7,067.54	7,045.54	7,045.54	53.92	244.24	-90.00	-3,938.87	-214.73	2,694.84	2,397.03	297.81	9.049		
8,427.75	7,067.63	7,045.63	7,045.63	54.50	244.24	-90.00	-3,938.87	-214.73	2,694.70	2,396.34	298.36	9.032 CC		
8,500.00	7,067.88	7,045.88	7,045.88	56.01	244.25	-90.01	-3,938.87	-214.73	2,695.66	2,395.90	299.77	8.993 ES		
8,600.00	7,068.22	7,046.22	7,046.22	58.16	244.26	-90.01	-3,938.87	-214.73	2,700.20	2,398.46	301.74	8.949		
8,700.00	7,068.57	7,046.57	7,046.57	60.38	244.27	-90.02	-3,938.87	-214.73	2,708.41	2,404.71	303.71	8.918		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,046.91	7,046.91	62.65	244.28	-90.03	-3,938.87	-214.73	2,720.29	2,414.63	305.66	8.900		
8,900.00	7,069.25	7,047.25	7,047.25	64.97	244.30	-90.03	-3,938.87	-214.73	2,735.76	2,428.18	307.58	8.894 SF		
9,000.00	7,069.60	7,047.60	7,047.60	67.34	244.31	-90.04	-3,938.87	-214.73	2,754.79	2,445.32	309.46	8.902		
9,100.00	7,069.94	7,047.94	7,047.94	69.74	244.32	-90.05	-3,938.87	-214.73	2,777.28	2,465.99	311.29	8.922		
9,200.00	7,070.28	7,048.28	7,048.28	72.18	244.33	-90.06	-3,938.87	-214.73	2,803.17	2,490.11	313.06	8.954		
9,300.00	7,070.63	7,048.63	7,048.63	74.65	244.34	-90.06	-3,938.87	-214.73	2,832.35	2,517.60	314.75	8.999		
9,400.00	7,070.97	7,048.97	7,048.97	77.15	244.36	-90.07	-3,938.87	-214.73	2,864.72	2,548.36	316.37	9.055		
9,500.00	7,071.32	7,049.32	7,049.32	79.67	244.37	-90.08	-3,938.87	-214.73	2,900.19	2,582.28	317.91	9.123		
9,600.00	7,071.66	7,049.66	7,049.66	82.22	244.38	-90.09	-3,938.87	-214.73	2,938.63	2,619.26	319.37	9.201		
9,700.00	7,072.00	7,050.00	7,050.00	84.78	244.39	-90.09	-3,938.87	-214.73	2,979.93	2,659.19	320.75	9.291		
9,800.00	7,072.35	7,050.35	7,050.35	87.37	244.40	-90.10	-3,938.87	-214.73	3,023.98	2,701.94	322.04	9.390		
9,900.00	7,072.69	7,050.69	7,050.69	89.97	244.42	-90.11	-3,938.87	-214.73	3,070.65	2,747.40	323.25	9.499		
10,000.00	7,073.03	7,051.03	7,051.03	92.59	244.43	-90.11	-3,938.87	-214.73	3,119.83	2,795.44	324.39	9.618		
10,100.00	7,073.38	7,051.38	7,051.38	95.22	244.44	-90.12	-3,938.87	-214.73	3,171.40	2,845.96	325.44	9.745		
10,200.00	7,073.72	7,051.72	7,051.72	97.86	244.45	-90.13	-3,938.87	-214.73	3,225.25	2,898.82	326.42	9.881		
10,300.00	7,074.07	7,052.07	7,052.07	100.52	244.46	-90.14	-3,938.87	-214.73	3,281.26	2,953.93	327.34	10.024		
10,400.00	7,074.41	7,052.41	7,052.41	103.19	244.48	-90.14	-3,938.87	-214.73	3,339.33	3,011.15	328.18	10.175		
10,500.00	7,074.75	7,052.75	7,052.75	105.87	244.49	-90.15	-3,938.87	-214.73	3,399.35	3,070.39	328.96	10.334		
10,600.00	7,075.10	7,053.10	7,053.10	108.55	244.50	-90.16	-3,938.87	-214.73	3,461.21	3,131.54	329.68	10.499		
10,700.00	7,075.44	7,053.44	7,053.44	111.25	244.51	-90.17	-3,938.87	-214.73	3,524.83	3,194.50	330.34	10.670		
10,800.00	7,075.78	7,053.78	7,053.78	113.96	244.52	-90.17	-3,938.87	-214.73	3,590.11	3,259.17	330.94	10.848		
10,900.00	7,076.13	7,054.13	7,054.13	116.67	244.54	-90.18	-3,938.87	-214.73	3,656.96	3,325.45	331.50	11.031		
11,000.00	7,076.47	7,054.47	7,054.47	119.39	244.55	-90.19	-3,938.87	-214.73	3,725.29	3,393.27	332.02	11.220		
11,100.00	7,076.81	7,054.81	7,054.81	122.11	244.56	-90.20	-3,938.87	-214.73	3,795.03	3,462.54	332.49	11.414		
11,200.00	7,077.16	7,055.16	7,055.16	124.85	244.57	-90.20	-3,938.87	-214.73	3,866.09	3,533.18	332.92	11.613		
11,300.00	7,077.50	7,055.50	7,055.50	127.58	244.58	-90.21	-3,938.87	-214.73	3,938.42	3,605.11	333.31	11.816		
11,400.00	7,077.85	7,055.85	7,055.85	130.33	244.60	-90.22	-3,938.87	-214.73	4,011.93	3,678.26	333.67	12.024		
11,500.00	7,078.19	7,056.19	7,056.19	133.08	244.61	-90.22	-3,938.87	-214.73	4,086.56	3,752.57	333.99	12.235		
11,600.00	7,078.53	7,056.53	7,056.53	135.83	244.62	-90.23	-3,938.87	-214.73	4,162.26	3,827.97	334.29	12.451		
11,700.00	7,078.88	7,056.88	7,056.88	138.59	244.63	-90.24	-3,938.87	-214.73	4,238.97	3,904.41	334.57	12.670		
11,800.00	7,079.22	7,057.22	7,057.22	141.35	244.64	-90.25	-3,938.87	-214.73	4,316.63	3,981.82	334.81	12.893		
11,900.00	7,079.56	7,057.56	7,057.56	144.11	244.66	-90.25	-3,938.87	-214.73	4,395.20	4,060.16	335.04	13.119		
12,000.00	7,079.91	7,057.91	7,057.91	146.88	244.67	-90.26	-3,938.87	-214.73	4,474.62	4,139.38	335.24	13.347		
12,100.00	7,080.25	7,058.25	7,058.25	149.66	244.68	-90.27	-3,938.87	-214.73	4,554.85	4,219.42	335.43	13.579		
12,200.00	7,080.60	7,058.60	7,058.60	152.43	244.69	-90.28	-3,938.87	-214.73	4,635.85	4,300.25	335.60	13.814		
12,300.00	7,080.94	7,058.94	7,058.94	155.21	244.70	-90.28	-3,938.87	-214.73	4,717.58	4,381.83	335.75	14.051		
12,400.00	7,081.28	7,059.28	7,059.28	157.99	244.72	-90.29	-3,938.87	-214.73	4,800.00	4,464.11	335.89	14.291		
12,500.00	7,081.63	7,059.63	7,059.63	160.78	244.73	-90.30	-3,938.87	-214.73	4,883.07	4,547.06	336.01	14.532		
12,600.00	7,081.97	7,059.97	7,059.97	163.57	244.74	-90.30	-3,938.87	-214.73	4,966.78	4,630.65	336.12	14.777		
12,700.00	7,082.31	7,060.31	7,060.31	166.36	244.75	-90.31	-3,938.87	-214.73	5,051.07	4,714.84	336.23	15.023		
12,800.00	7,082.66	7,060.66	7,060.66	169.15	244.76	-90.32	-3,938.87	-214.73	5,135.93	4,799.61	336.32	15.271		
12,900.00	7,083.00	7,061.00	7,061.00	171.94	244.78	-90.33	-3,938.87	-214.73	5,221.32	4,884.92	336.40	15.521		
13,000.00	7,083.35	7,061.35	7,061.35	174.74	244.79	-90.33	-3,938.87	-214.73	5,307.22	4,970.75	336.47	15.773		
13,100.00	7,083.69	7,061.69	7,061.69	177.54	244.80	-90.34	-3,938.87	-214.73	5,393.61	5,057.07	336.54	16.027		
13,200.00	7,084.03	7,062.03	7,062.03	180.34	244.81	-90.35	-3,938.87	-214.73	5,480.47	5,143.87	336.60	16.282		
13,300.00	7,084.38	7,062.38	7,062.38	183.14	244.82	-90.36	-3,938.87	-214.73	5,567.76	5,231.11	336.65	16.539		
13,400.00	7,084.72	7,062.72	7,062.72	185.95	244.84	-90.36	-3,938.87	-214.73	5,655.47	5,318.78	336.70	16.797		
13,500.00	7,085.06	7,063.06	7,063.06	188.76	244.85	-90.37	-3,938.87	-214.73	5,743.59	5,406.85	336.74	17.056		
13,600.00	7,085.41	7,063.41	7,063.41	191.56	244.86	-90.38	-3,938.87	-214.73	5,832.09	5,495.31	336.78	17.317		
13,700.00	7,085.75	7,063.75	7,063.75	194.37	244.87	-90.39	-3,938.87	-214.73	5,920.95	5,584.15	336.81	17.580		
13,800.00	7,086.09	7,064.09	7,064.09	197.18	244.88	-90.39	-3,938.87	-214.73	6,010.17	5,673.33	336.84	17.843		
13,900.00	7,086.44	7,064.44	7,064.44	200.00	244.90	-90.40	-3,938.87	-214.73	6,099.72	5,762.86	336.86	18.107		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,064.78	7,064.78	202.81	244.91	-90.41	-3,938.87	-214.73	6,189.59	5,852.70	336.88	18.373		
14,100.00	7,087.13	7,065.13	7,065.13	205.63	244.92	-90.41	-3,938.87	-214.73	6,279.76	5,942.86	336.90	18.640		
14,200.00	7,087.47	7,065.47	7,065.47	208.44	244.93	-90.42	-3,938.87	-214.73	6,370.23	6,033.31	336.92	18.907		
14,300.00	7,087.81	7,065.81	7,065.81	211.26	244.94	-90.43	-3,938.87	-214.73	6,460.98	6,124.05	336.93	19.176		
14,400.00	7,088.16	7,066.16	7,066.16	214.08	244.96	-90.44	-3,938.87	-214.73	6,552.00	6,215.06	336.95	19.445		
14,500.00	7,088.50	7,066.50	7,066.50	216.90	244.97	-90.44	-3,938.87	-214.73	6,643.28	6,306.32	336.96	19.716		
14,600.00	7,088.84	7,066.84	7,066.84	219.72	244.98	-90.45	-3,938.87	-214.73	6,734.81	6,397.84	336.97	19.987		
14,700.00	7,089.19	7,067.19	7,067.19	222.54	244.99	-90.46	-3,938.87	-214.73	6,826.57	6,489.60	336.97	20.258		
14,800.00	7,089.53	7,067.53	7,067.53	225.37	245.00	-90.47	-3,938.87	-214.73	6,918.56	6,581.58	336.98	20.531		
14,900.00	7,089.88	7,067.88	7,067.88	228.19	245.02	-90.47	-3,938.87	-214.73	7,010.77	6,673.79	336.99	20.804		
15,000.00	7,090.22	7,068.22	7,068.22	231.02	245.03	-90.48	-3,938.87	-214.73	7,103.19	6,766.20	336.99	21.078		
15,100.00	7,090.56	7,068.56	7,068.56	233.84	245.04	-90.49	-3,938.87	-214.73	7,195.82	6,858.82	336.99	21.353		
15,200.00	7,090.91	7,068.91	7,068.91	236.67	245.05	-90.49	-3,938.87	-214.73	7,288.64	6,951.64	337.00	21.628		
15,227.29	7,091.00	7,069.00	7,069.00	237.44	245.06	-90.50	-3,938.87	-214.73	7,314.00	6,977.00	337.00	21.703		
15,300.00	7,091.25	7,069.25	7,069.25	239.49	245.06	-90.48	-3,938.87	-214.73	7,381.30	7,044.30	337.00	21.903		
15,326.57	7,091.35	7,069.35	7,069.35	240.24	245.07	-90.47	-3,938.87	-214.73	7,405.74	7,068.75	336.99	21.976		
15,400.00	7,091.60	7,069.60	7,069.60	242.30	245.08	-90.47	-3,938.87	-214.73	7,473.23	7,136.24	336.99	22.176		
15,500.00	7,091.96	7,069.96	7,069.96	245.12	245.09	-90.48	-3,938.87	-214.73	7,565.33	7,228.34	336.99	22.450		
15,600.00	7,092.31	7,070.31	7,070.31	247.93	245.10	-90.49	-3,938.87	-214.73	7,657.62	7,320.64	336.98	22.724		
15,700.00	7,092.66	7,070.66	7,070.66	250.75	245.11	-90.49	-3,938.87	-214.73	7,750.10	7,413.13	336.98	22.999		
15,800.00	7,093.01	7,071.01	7,071.01	253.56	245.13	-90.50	-3,938.87	-214.73	7,842.77	7,505.80	336.97	23.274		
15,900.00	7,093.36	7,071.36	7,071.36	256.38	245.14	-90.51	-3,938.87	-214.73	7,935.61	7,598.65	336.96	23.550		
16,000.00	7,093.71	7,071.71	7,071.71	259.20	245.15	-90.51	-3,938.87	-214.73	8,028.63	7,691.67	336.96	23.827		
16,100.00	7,094.07	7,072.07	7,072.07	262.02	245.16	-90.52	-3,938.87	-214.73	8,121.81	7,784.86	336.95	24.104		
16,200.00	7,094.42	7,072.42	7,072.42	264.84	245.18	-90.53	-3,938.87	-214.73	8,215.15	7,878.21	336.95	24.381		
16,300.00	7,094.77	7,072.77	7,072.77	267.65	245.19	-90.53	-3,938.87	-214.73	8,308.65	7,971.71	336.94	24.659		
16,400.00	7,095.12	7,073.12	7,073.12	270.47	245.20	-90.54	-3,938.87	-214.73	8,402.30	8,065.36	336.94	24.937		
16,500.00	7,095.47	7,073.47	7,073.47	273.30	245.21	-90.55	-3,938.87	-214.73	8,496.09	8,159.16	336.93	25.216		
16,600.00	7,095.82	7,073.82	7,073.82	276.12	245.22	-90.56	-3,938.87	-214.73	8,590.02	8,253.10	336.93	25.495		
16,700.00	7,096.18	7,074.18	7,074.18	278.94	245.24	-90.56	-3,938.87	-214.73	8,684.09	8,347.17	336.92	25.775		
16,800.00	7,096.53	7,074.53	7,074.53	281.76	245.25	-90.57	-3,938.87	-214.73	8,778.29	8,441.37	336.92	26.055		
16,900.00	7,096.88	7,074.88	7,074.88	284.58	245.26	-90.58	-3,938.87	-214.73	8,872.62	8,535.70	336.92	26.335		
17,000.00	7,097.23	7,075.23	7,075.23	287.41	245.27	-90.58	-3,938.87	-214.73	8,967.06	8,630.15	336.91	26.615		
17,100.00	7,097.58	7,075.58	7,075.58	290.23	245.29	-90.59	-3,938.87	-214.73	9,061.63	8,724.72	336.91	26.896		
17,200.00	7,097.93	7,075.93	7,075.93	293.06	245.30	-90.60	-3,938.87	-214.73	9,156.32	8,819.40	336.91	27.177		
17,300.00	7,098.29	7,076.29	7,076.29	295.88	245.31	-90.60	-3,938.87	-214.73	9,251.11	8,914.20	336.91	27.459		
17,400.00	7,098.64	7,076.64	7,076.64	298.71	245.32	-90.61	-3,938.87	-214.73	9,346.01	9,009.10	336.91	27.740		
17,500.00	7,098.99	7,076.99	7,076.99	301.53	245.33	-90.62	-3,938.87	-214.73	9,441.02	9,104.11	336.91	28.022		
17,600.00	7,099.34	7,077.34	7,077.34	304.36	245.35	-90.62	-3,938.87	-214.73	9,536.13	9,199.22	336.91	28.305		
17,700.00	7,099.69	7,077.69	7,077.69	307.19	245.36	-90.63	-3,938.87	-214.73	9,631.34	9,294.43	336.91	28.587		
17,800.00	7,100.04	7,078.04	7,078.04	310.01	245.37	-90.64	-3,938.87	-214.73	9,726.65	9,389.73	336.92	28.870		
17,900.00	7,100.40	7,078.40	7,078.40	312.84	245.38	-90.64	-3,938.87	-214.73	9,822.05	9,485.13	336.92	29.153		
18,000.00	7,100.75	7,078.75	7,078.75	315.67	245.40	-90.65	-3,938.87	-214.73	9,917.54	9,580.62	336.92	29.436		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-70.78	1,529.01	-4,386.17	4,645.04					
100.00	100.00	140.00	140.00	3.28	4.54	-70.78	1,529.01	-4,386.17	4,645.04	4,637.21	7.83	593.485		
200.00	200.00	240.00	240.00	3.34	7.40	-70.78	1,529.01	-4,386.17	4,645.04	4,634.30	10.74	432.635		
300.00	299.98	339.98	339.98	3.44	10.64	156.21	1,529.01	-4,386.17	4,646.64	4,632.55	14.08	329.967		
400.00	399.84	439.84	439.84	3.59	14.00	156.20	1,529.01	-4,386.17	4,651.43	4,633.83	17.59	264.390		
500.00	499.45	539.45	539.45	3.80	17.40	156.18	1,529.01	-4,386.17	4,659.40	4,638.21	21.19	219.841		
600.00	598.70	638.70	638.70	4.04	20.81	156.15	1,529.01	-4,386.17	4,670.57	4,645.71	24.85	187.940		
700.00	697.47	737.47	737.47	4.32	24.22	156.11	1,529.01	-4,386.17	4,684.90	4,656.36	28.54	164.133		
800.00	795.62	835.62	835.62	4.65	27.62	156.06	1,529.01	-4,386.17	4,702.39	4,670.14	32.26	145.784		
900.00	893.06	933.06	933.06	5.02	31.00	156.00	1,529.01	-4,386.17	4,723.03	4,687.06	35.98	131.276		
993.00	982.91	1,022.91	1,022.91	5.39	34.12	155.93	1,529.01	-4,386.17	4,745.04	4,705.60	39.44	120.308		
1,000.00	989.65	1,029.65	1,029.65	5.42	34.36	155.94	1,529.01	-4,386.17	4,746.80	4,707.09	39.71	119.549		
1,100.00	1,085.84	1,125.84	1,125.84	5.86	37.70	156.07	1,529.01	-4,386.17	4,771.92	4,728.49	43.43	109.882		
1,200.00	1,182.03	1,222.03	1,222.03	6.32	41.05	156.21	1,529.01	-4,386.17	4,797.07	4,749.90	47.17	101.698		
1,300.00	1,278.22	1,318.22	1,318.22	6.79	44.40	156.34	1,529.01	-4,386.17	4,822.24	4,771.31	50.93	94.689		
1,400.00	1,374.42	1,414.42	1,414.42	7.28	47.74	156.47	1,529.01	-4,386.17	4,847.43	4,792.73	54.70	88.622		
1,500.00	1,470.61	1,510.61	1,510.61	7.79	51.10	156.59	1,529.01	-4,386.17	4,872.65	4,814.17	58.48	83.323		
1,600.00	1,566.80	1,606.80	1,606.80	8.30	54.45	156.72	1,529.01	-4,386.17	4,897.89	4,835.62	62.27	78.656		
1,700.00	1,663.00	1,703.00	1,703.00	8.82	57.80	156.84	1,529.01	-4,386.17	4,923.15	4,857.09	66.07	74.518		
1,800.00	1,759.19	1,800.81	1,799.19	9.34	61.21	156.97	1,529.01	-4,386.17	4,948.44	4,878.51	69.93	70.766		
1,900.00	1,855.38	1,904.62	1,895.38	9.87	64.83	157.09	1,529.01	-4,386.17	4,973.74	4,899.74	74.00	67.211		
2,000.00	1,951.58	2,008.42	1,991.58	10.41	68.45	157.21	1,529.01	-4,386.17	4,999.07	4,920.99	78.08	64.025		
2,100.00	2,047.77	2,087.77	2,087.77	10.95	71.21	157.33	1,529.01	-4,386.17	5,024.42	4,943.11	81.31	61.793		
2,200.00	2,143.96	2,183.96	2,183.96	11.49	74.57	157.45	1,529.01	-4,386.17	5,049.79	4,964.66	85.13	59.318		
2,300.00	2,240.16	2,280.16	2,280.16	12.04	77.92	157.57	1,529.01	-4,386.17	5,075.18	4,986.22	88.95	57.054		
2,400.00	2,336.35	2,376.35	2,376.35	12.58	81.28	157.68	1,529.01	-4,386.17	5,100.59	5,007.81	92.78	54.976		
2,500.00	2,432.54	2,472.54	2,472.54	13.13	84.63	157.80	1,529.01	-4,386.17	5,126.02	5,029.41	96.61	53.061		
2,600.00	2,528.74	2,568.74	2,568.74	13.69	87.99	157.91	1,529.01	-4,386.17	5,151.46	5,051.03	100.44	51.291		
2,700.00	2,624.93	2,664.93	2,664.93	14.24	91.35	158.03	1,529.01	-4,386.17	5,176.93	5,072.66	104.27	49.651		
2,800.00	2,721.12	2,761.12	2,761.12	14.80	94.70	158.14	1,529.01	-4,386.17	5,202.42	5,094.32	108.10	48.126		
2,900.00	2,817.32	2,857.32	2,857.32	15.35	98.06	158.25	1,529.01	-4,386.17	5,227.92	5,115.99	111.93	46.706		
3,000.00	2,913.51	2,953.51	2,953.51	15.91	101.41	158.36	1,529.01	-4,386.17	5,253.45	5,137.68	115.77	45.379		
3,100.00	3,009.70	3,049.70	3,049.70	16.47	104.77	158.47	1,529.01	-4,386.17	5,278.99	5,159.38	119.60	44.137		
3,200.00	3,105.90	3,145.90	3,145.90	17.03	108.13	158.58	1,529.01	-4,386.17	5,304.55	5,181.11	123.44	42.972		
3,300.00	3,202.09	3,242.09	3,242.09	17.59	111.48	158.68	1,529.01	-4,386.17	5,330.13	5,202.85	127.28	41.878		
3,400.00	3,298.28	3,338.28	3,338.28	18.15	114.84	158.79	1,529.01	-4,386.17	5,355.72	5,224.60	131.12	40.847		
3,500.00	3,394.48	3,434.48	3,434.48	18.72	118.20	158.89	1,529.01	-4,386.17	5,381.33	5,246.38	134.96	39.875		
3,600.00	3,490.67	3,530.67	3,530.67	19.28	121.55	159.00	1,529.01	-4,386.17	5,406.96	5,268.16	138.79	38.957		
3,700.00	3,586.86	3,626.86	3,626.86	19.84	124.91	159.10	1,529.01	-4,386.17	5,432.60	5,289.97	142.63	38.088		
3,800.00	3,683.06	3,723.06	3,723.06	20.41	128.27	159.20	1,529.01	-4,386.17	5,458.26	5,311.79	146.47	37.264		
3,900.00	3,779.25	3,819.25	3,819.25	20.97	131.63	159.30	1,529.01	-4,386.17	5,483.94	5,333.63	150.32	36.483		
4,000.00	3,875.44	3,915.44	3,915.44	21.54	134.98	159.40	1,529.01	-4,386.17	5,509.64	5,355.48	154.16	35.741		
4,100.00	3,971.64	4,011.64	4,011.64	22.11	138.34	159.50	1,529.01	-4,386.17	5,535.34	5,377.35	158.00	35.034		
4,200.00	4,067.83	4,107.83	4,107.83	22.67	141.70	159.60	1,529.01	-4,386.17	5,561.07	5,399.23	161.84	34.362		
4,300.00	4,164.02	4,204.02	4,204.02	23.24	145.05	159.70	1,529.01	-4,386.17	5,586.81	5,421.13	165.68	33.720		
4,400.00	4,260.22	4,300.22	4,300.22	23.81	148.41	159.79	1,529.01	-4,386.17	5,612.56	5,443.04	169.52	33.108		
4,500.00	4,356.41	4,403.59	4,396.41	24.37	152.02	159.89	1,529.01	-4,386.17	5,638.33	5,464.71	173.62	32.476		
4,600.00	4,452.60	4,507.40	4,492.60	24.94	155.64	159.98	1,529.01	-4,386.17	5,664.12	5,486.39	177.73	31.870		
4,700.00	4,548.79	4,588.79	4,588.79	25.51	158.48	160.08	1,529.01	-4,386.17	5,689.91	5,508.86	181.05	31.427		
4,800.00	4,644.99	4,684.99	4,684.99	26.08	161.84	160.17	1,529.01	-4,386.17	5,715.73	5,530.83	184.89	30.913		
4,900.00	4,741.18	4,781.18	4,781.18	26.65	165.20	160.26	1,529.01	-4,386.17	5,741.55	5,552.82	188.74	30.421		
5,000.00	4,837.37	4,877.37	4,877.37	27.21	168.56	160.35	1,529.01	-4,386.17	5,767.39	5,574.81	192.58	29.948		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,973.57	4,973.57	27.78	171.91	160.44	1,529.01	-4,386.17	5,793.25	5,596.82	196.42	29.494		
5,200.00	5,029.76	5,069.76	5,069.76	28.35	175.27	160.53	1,529.01	-4,386.17	5,819.11	5,618.85	200.27	29.057		
5,300.00	5,125.95	5,165.95	5,165.95	28.92	178.63	160.62	1,529.01	-4,386.17	5,845.00	5,640.89	204.11	28.636		
5,400.00	5,222.15	5,262.15	5,262.15	29.49	181.99	160.71	1,529.01	-4,386.17	5,870.89	5,662.94	207.95	28.232		
5,500.00	5,318.34	5,358.34	5,358.34	30.06	185.34	160.80	1,529.01	-4,386.17	5,896.80	5,685.00	211.80	27.842		
5,600.00	5,414.53	5,454.53	5,454.53	30.63	188.70	160.89	1,529.01	-4,386.17	5,922.72	5,707.07	215.64	27.466		
5,700.00	5,510.73	5,550.73	5,550.73	31.20	192.06	160.97	1,529.01	-4,386.17	5,948.65	5,729.16	219.49	27.103		
5,800.00	5,606.92	5,646.92	5,646.92	31.77	195.42	161.06	1,529.01	-4,386.17	5,974.59	5,751.26	223.33	26.752		
5,900.00	5,703.11	5,743.11	5,743.11	32.34	198.77	161.14	1,529.01	-4,386.17	6,000.55	5,773.38	227.17	26.414		
6,000.00	5,799.31	5,839.31	5,839.31	32.91	202.13	161.22	1,529.01	-4,386.17	6,026.52	5,795.50	231.02	26.087		
6,100.00	5,895.50	5,935.50	5,935.50	33.48	205.49	161.31	1,529.01	-4,386.17	6,052.50	5,817.64	234.86	25.771		
6,200.00	5,991.69	6,031.69	6,031.69	34.05	208.85	161.39	1,529.01	-4,386.17	6,078.49	5,839.79	238.71	25.464		
6,300.00	6,087.89	6,127.89	6,127.89	34.62	212.20	161.47	1,529.01	-4,386.17	6,104.50	5,861.95	242.55	25.168		
6,400.00	6,184.08	6,224.08	6,224.08	35.19	215.56	161.55	1,529.01	-4,386.17	6,130.51	5,884.12	246.39	24.881		
6,500.00	6,280.27	6,320.27	6,320.27	35.77	218.92	161.63	1,529.01	-4,386.17	6,156.54	5,906.30	250.24	24.603		
6,535.30	6,314.23	6,354.23	6,354.23	35.97	220.11	161.66	1,529.01	-4,386.17	6,165.73	5,914.14	251.59	24.507		
6,550.00	6,328.40	6,368.40	6,368.40	36.05	220.60	158.10	1,529.01	-4,386.17	6,169.41	5,917.25	252.16	24.466		
6,600.00	6,377.01	6,417.01	6,417.01	36.31	222.30	142.52	1,529.01	-4,386.17	6,179.69	5,925.60	254.09	24.321		
6,650.00	6,426.00	6,466.00	6,466.00	36.54	224.01	121.33	1,529.01	-4,386.17	6,186.47	5,930.44	256.03	24.164		
6,700.00	6,475.08	6,515.08	6,515.08	36.73	225.72	98.41	1,529.01	-4,386.17	6,189.71	5,931.77	257.94	23.996		
6,750.00	6,523.94	6,563.94	6,563.94	36.90	227.43	79.89	1,529.01	-4,386.17	6,189.40	5,929.57	259.83	23.821		
6,800.00	6,572.28	6,612.28	6,612.28	37.05	229.11	67.35	1,529.01	-4,386.17	6,185.56	5,923.89	261.67	23.639		
6,850.00	6,619.81	6,659.81	6,659.81	37.19	230.77	59.26	1,529.01	-4,386.17	6,178.21	5,914.75	263.46	23.450		
6,900.00	6,666.23	6,706.23	6,706.23	37.32	232.39	54.06	1,529.01	-4,386.17	6,167.41	5,902.22	265.19	23.257		
6,950.00	6,711.25	6,751.25	6,751.25	37.46	233.96	50.72	1,529.01	-4,386.17	6,153.23	5,886.39	266.84	23.059		
7,000.00	6,754.60	6,805.40	6,794.60	37.61	235.85	48.66	1,529.01	-4,386.17	6,135.78	5,866.98	268.80	22.827		
7,050.00	6,796.01	6,836.01	6,836.01	37.77	236.92	47.55	1,529.01	-4,386.17	6,115.17	5,845.26	269.91	22.656		
7,100.00	6,835.22	6,875.22	6,875.22	37.94	238.29	47.19	1,529.01	-4,386.17	6,091.55	5,820.23	271.31	22.452		
7,150.00	6,871.99	6,911.99	6,911.99	38.12	239.58	47.47	1,529.01	-4,386.17	6,065.06	5,792.44	272.62	22.248		
7,200.00	6,906.10	6,946.10	6,946.10	38.34	240.77	48.36	1,529.01	-4,386.17	6,035.88	5,762.05	273.82	22.043		
7,250.00	6,937.34	6,977.34	6,977.34	38.57	241.86	49.83	1,529.01	-4,386.17	6,004.19	5,729.27	274.93	21.839		
7,300.00	6,965.51	7,005.51	7,005.51	38.84	242.84	51.90	1,529.01	-4,386.17	5,970.22	5,694.29	275.93	21.637		
7,350.00	6,990.44	7,030.44	7,030.44	39.14	243.71	54.63	1,529.01	-4,386.17	5,934.16	5,657.34	276.82	21.437		
7,400.00	7,011.97	7,051.97	7,051.97	39.47	244.46	58.07	1,529.01	-4,386.17	5,896.25	5,618.64	277.61	21.239		
7,450.00	7,029.98	7,069.98	7,069.98	39.85	245.09	62.30	1,529.01	-4,386.17	5,856.72	5,578.44	278.29	21.046		
7,500.00	7,044.34	7,084.34	7,084.34	40.26	245.59	67.39	1,529.01	-4,386.17	5,815.83	5,536.97	278.86	20.856		
7,550.00	7,054.99	7,105.02	7,094.99	40.72	246.31	73.36	1,529.01	-4,386.17	5,773.83	5,494.15	279.67	20.645		
7,600.00	7,061.83	7,101.83	7,101.83	41.21	246.20	80.20	1,529.01	-4,386.17	5,730.97	5,451.29	279.68	20.491		
7,650.00	7,064.85	7,104.85	7,104.85	41.73	246.31	87.76	1,529.01	-4,386.17	5,687.51	5,407.59	279.92	20.318		
7,661.89	7,065.00	7,105.00	7,105.00	41.86	246.31	89.64	1,529.01	-4,386.17	5,677.12	5,397.16	279.96	20.278		
7,700.00	7,065.13	7,105.13	7,105.13	42.28	246.32	89.65	1,529.01	-4,386.17	5,643.81	5,363.72	280.09	20.150		
7,800.00	7,065.47	7,105.47	7,105.47	43.53	246.33	89.65	1,529.01	-4,386.17	5,556.71	5,276.23	280.48	19.811		
7,900.00	7,065.82	7,105.82	7,105.82	44.94	246.34	89.66	1,529.01	-4,386.17	5,470.06	5,189.10	280.96	19.469		
8,000.00	7,066.16	7,106.16	7,106.16	46.50	246.35	89.67	1,529.01	-4,386.17	5,383.86	5,102.34	281.52	19.124		
8,100.00	7,066.50	7,106.50	7,106.50	48.19	246.36	89.68	1,529.01	-4,386.17	5,298.15	5,015.97	282.18	18.776		
8,200.00	7,066.85	7,106.85	7,106.85	50.00	246.38	89.68	1,529.01	-4,386.17	5,212.95	4,930.01	282.93	18.425		
8,300.00	7,067.19	7,107.19	7,107.19	51.91	246.39	89.69	1,529.01	-4,386.17	5,128.28	4,844.50	283.79	18.071		
8,400.00	7,067.54	7,107.54	7,107.54	53.92	246.40	89.70	1,529.01	-4,386.17	5,044.18	4,759.44	284.74	17.715		
8,500.00	7,067.88	7,107.88	7,107.88	56.01	246.41	89.70	1,529.01	-4,386.17	4,960.66	4,674.86	285.80	17.357		
8,600.00	7,068.22	7,108.22	7,108.22	58.16	246.42	89.71	1,529.01	-4,386.17	4,877.77	4,590.80	286.96	16.998		
8,700.00	7,068.57	7,108.57	7,108.57	60.38	246.44	89.72	1,529.01	-4,386.17	4,795.52	4,507.29	288.24	16.637		
8,800.00	7,068.91	7,108.91	7,108.91	62.65	246.45	89.73	1,529.01	-4,386.17	4,713.97	4,424.34	289.62	16.276		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,109.25	7,109.25	64.97	246.46	89.73	1,529.01	-4,386.17	4,633.13	4,342.01	291.12	15.915		
9,000.00	7,069.60	7,109.60	7,109.60	67.34	246.47	89.74	1,529.01	-4,386.17	4,553.06	4,260.33	292.73	15.554		
9,100.00	7,069.94	7,109.94	7,109.94	69.74	246.48	89.75	1,529.01	-4,386.17	4,473.79	4,179.34	294.45	15.193		
9,200.00	7,070.28	7,110.28	7,110.28	72.18	246.50	89.75	1,529.01	-4,386.17	4,395.37	4,099.07	296.30	14.834		
9,300.00	7,070.63	7,110.63	7,110.63	74.65	246.51	89.76	1,529.01	-4,386.17	4,317.83	4,019.58	298.25	14.477		
9,400.00	7,070.97	7,110.97	7,110.97	77.15	246.52	89.77	1,529.01	-4,386.17	4,241.24	3,940.91	300.33	14.122		
9,500.00	7,071.32	7,111.32	7,111.32	79.67	246.53	89.78	1,529.01	-4,386.17	4,165.64	3,863.12	302.52	13.770		
9,600.00	7,071.66	7,111.66	7,111.66	82.22	246.54	89.78	1,529.01	-4,386.17	4,091.09	3,786.26	304.83	13.421		
9,700.00	7,072.00	7,112.00	7,112.00	84.78	246.56	89.79	1,529.01	-4,386.17	4,017.64	3,710.38	307.26	13.076		
9,800.00	7,072.35	7,112.35	7,112.35	87.37	246.57	89.80	1,529.01	-4,386.17	3,945.36	3,635.55	309.81	12.735		
9,900.00	7,072.69	7,112.69	7,112.69	89.97	246.58	89.80	1,529.01	-4,386.17	3,874.32	3,561.83	312.48	12.399		
10,000.00	7,073.03	7,113.03	7,113.03	92.59	246.59	89.81	1,529.01	-4,386.17	3,804.57	3,489.30	315.27	12.068		
10,100.00	7,073.38	7,113.38	7,113.38	95.22	246.60	89.82	1,529.01	-4,386.17	3,736.20	3,418.02	318.18	11.743		
10,200.00	7,073.72	7,113.72	7,113.72	97.86	246.62	89.83	1,529.01	-4,386.17	3,669.28	3,348.08	321.20	11.424		
10,300.00	7,074.07	7,114.07	7,114.07	100.52	246.63	89.83	1,529.01	-4,386.17	3,603.90	3,279.56	324.34	11.111		
10,400.00	7,074.41	7,114.41	7,114.41	103.19	246.64	89.84	1,529.01	-4,386.17	3,540.13	3,212.53	327.60	10.806		
10,500.00	7,074.75	7,114.75	7,114.75	105.87	246.65	89.85	1,529.01	-4,386.17	3,478.07	3,147.11	330.96	10.509		
10,600.00	7,075.10	7,115.10	7,115.10	108.55	246.66	89.85	1,529.01	-4,386.17	3,417.80	3,083.37	334.43	10.220		
10,700.00	7,075.44	7,115.44	7,115.44	111.25	246.68	89.86	1,529.01	-4,386.17	3,359.44	3,021.43	338.01	9.939		
10,800.00	7,075.78	7,115.78	7,115.78	113.96	246.69	89.87	1,529.01	-4,386.17	3,303.07	2,961.38	341.68	9.667		
10,900.00	7,076.13	7,116.13	7,116.13	116.67	246.70	89.88	1,529.01	-4,386.17	3,248.80	2,903.35	345.45	9.405		
11,000.00	7,076.47	7,116.47	7,116.47	119.39	246.71	89.88	1,529.01	-4,386.17	3,196.74	2,847.44	349.29	9.152		
11,100.00	7,076.81	7,116.81	7,116.81	122.11	246.72	89.89	1,529.01	-4,386.17	3,146.99	2,793.78	353.21	8.910		
11,200.00	7,077.16	7,117.16	7,117.16	124.85	246.74	89.90	1,529.01	-4,386.17	3,099.68	2,742.48	357.19	8.678		
11,300.00	7,077.50	7,117.50	7,117.50	127.58	246.75	89.90	1,529.01	-4,386.17	3,054.90	2,693.68	361.23	8.457		
11,400.00	7,077.85	7,117.85	7,117.85	130.33	246.76	89.91	1,529.01	-4,386.17	3,012.78	2,647.49	365.30	8.247		
11,500.00	7,078.19	7,118.19	7,118.19	133.08	246.77	89.92	1,529.01	-4,386.17	2,973.43	2,604.05	369.39	8.050		
11,600.00	7,078.53	7,118.53	7,118.53	135.83	246.78	89.93	1,529.01	-4,386.17	2,936.96	2,563.48	373.48	7.864		
11,700.00	7,078.88	7,118.88	7,118.88	138.59	246.80	89.93	1,529.01	-4,386.17	2,903.47	2,525.91	377.56	7.690		
11,800.00	7,079.22	7,119.22	7,119.22	141.35	246.81	89.94	1,529.01	-4,386.17	2,873.08	2,491.47	381.61	7.529		
11,900.00	7,079.56	7,119.56	7,119.56	144.11	246.82	89.95	1,529.01	-4,386.17	2,845.88	2,460.27	385.61	7.380		
12,000.00	7,079.91	7,119.91	7,119.91	146.88	246.83	89.96	1,529.01	-4,386.17	2,821.96	2,432.43	389.53	7.244		
12,100.00	7,080.25	7,120.25	7,120.25	149.66	246.84	89.96	1,529.01	-4,386.17	2,801.41	2,408.05	393.36	7.122		
12,200.00	7,080.60	7,120.60	7,120.60	152.43	246.86	89.97	1,529.01	-4,386.17	2,784.30	2,387.22	397.08	7.012		
12,300.00	7,080.94	7,120.94	7,120.94	155.21	246.87	89.98	1,529.01	-4,386.17	2,770.70	2,370.04	400.66	6.915		
12,400.00	7,081.28	7,121.28	7,121.28	157.99	246.88	89.98	1,529.01	-4,386.17	2,760.65	2,356.57	404.08	6.832		
12,500.00	7,081.63	7,121.63	7,121.63	160.78	246.89	89.99	1,529.01	-4,386.17	2,754.20	2,346.86	407.34	6.761		
12,600.00	7,081.97	7,121.97	7,121.97	163.57	246.90	90.00	1,529.01	-4,386.17	2,751.37	2,340.97	410.40	6.704		
12,627.84	7,082.07	7,122.07	7,122.07	164.34	246.91	90.00	1,529.01	-4,386.17	2,751.23	2,340.01	411.22	6.690 CC		
12,700.00	7,082.31	7,122.31	7,122.31	166.36	246.92	90.01	1,529.01	-4,386.17	2,752.18	2,338.91	413.27	6.660 ES		
12,800.00	7,082.66	7,122.66	7,122.66	169.15	246.93	90.01	1,529.01	-4,386.17	2,756.61	2,340.70	415.92	6.628		
12,900.00	7,083.00	7,123.00	7,123.00	171.94	246.94	90.02	1,529.01	-4,386.17	2,764.66	2,346.31	418.35	6.609		
13,000.00	7,083.35	7,123.35	7,123.35	174.74	246.95	90.03	1,529.01	-4,386.17	2,776.29	2,355.74	420.55	6.602 SF		
13,100.00	7,083.69	7,123.69	7,123.69	177.54	246.96	90.03	1,529.01	-4,386.17	2,791.45	2,368.94	422.52	6.607		
13,200.00	7,084.03	7,124.03	7,124.03	180.34	246.98	90.04	1,529.01	-4,386.17	2,810.10	2,385.84	424.25	6.624		
13,300.00	7,084.38	7,124.38	7,124.38	183.14	246.99	90.05	1,529.01	-4,386.17	2,832.15	2,406.39	425.76	6.652		
13,400.00	7,084.72	7,124.72	7,124.72	185.95	247.00	90.06	1,529.01	-4,386.17	2,857.53	2,430.49	427.05	6.691		
13,500.00	7,085.06	7,125.06	7,125.06	188.76	247.01	90.06	1,529.01	-4,386.17	2,886.16	2,458.05	428.11	6.742		
13,600.00	7,085.41	7,125.41	7,125.41	191.56	247.02	90.07	1,529.01	-4,386.17	2,917.94	2,488.97	428.97	6.802		
13,700.00	7,085.75	7,125.75	7,125.75	194.37	247.04	90.08	1,529.01	-4,386.17	2,952.76	2,523.14	429.62	6.873		
13,800.00	7,086.09	7,126.09	7,126.09	197.18	247.05	90.08	1,529.01	-4,386.17	2,990.52	2,560.43	430.09	6.953		
13,900.00	7,086.44	7,126.44	7,126.44	200.00	247.06	90.09	1,529.01	-4,386.17	3,031.11	2,600.73	430.38	7.043		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,126.78	7,126.78	202.81	247.07	90.10	1,529.01	-4,386.17	3,074.42	2,643.91	430.51	7.141		
14,100.00	7,087.13	7,127.13	7,127.13	205.63	247.08	90.11	1,529.01	-4,386.17	3,120.34	2,689.85	430.49	7.248		
14,200.00	7,087.47	7,127.47	7,127.47	208.44	247.10	90.11	1,529.01	-4,386.17	3,168.74	2,738.41	430.33	7.363		
14,300.00	7,087.81	7,127.81	7,127.81	211.26	247.11	90.12	1,529.01	-4,386.17	3,219.53	2,789.48	430.05	7.486		
14,400.00	7,088.16	7,128.16	7,128.16	214.08	247.12	90.13	1,529.01	-4,386.17	3,272.58	2,842.93	429.65	7.617		
14,500.00	7,088.50	7,128.50	7,128.50	216.90	247.13	90.13	1,529.01	-4,386.17	3,327.79	2,898.64	429.16	7.754		
14,600.00	7,088.84	7,128.84	7,128.84	219.72	247.14	90.14	1,529.01	-4,386.17	3,385.06	2,956.49	428.57	7.898		
14,700.00	7,089.19	7,129.19	7,129.19	222.54	247.16	90.15	1,529.01	-4,386.17	3,444.28	3,016.37	427.91	8.049		
14,800.00	7,089.53	7,129.53	7,129.53	225.37	247.17	90.16	1,529.01	-4,386.17	3,505.35	3,078.17	427.18	8.206		
14,900.00	7,089.88	7,129.88	7,129.88	228.19	247.18	90.16	1,529.01	-4,386.17	3,568.18	3,141.79	426.39	8.368		
15,000.00	7,090.22	7,130.22	7,130.22	231.02	247.19	90.17	1,529.01	-4,386.17	3,632.68	3,207.13	425.55	8.536		
15,100.00	7,090.56	7,130.56	7,130.56	233.84	247.20	90.18	1,529.01	-4,386.17	3,698.75	3,274.08	424.67	8.710		
15,200.00	7,090.91	7,130.91	7,130.91	236.67	247.22	90.18	1,529.01	-4,386.17	3,766.32	3,342.57	423.76	8.888		
15,227.29	7,091.00	7,131.00	7,131.00	237.44	247.22	90.19	1,529.01	-4,386.17	3,785.01	3,361.51	423.50	8.937		
15,300.00	7,091.25	7,131.25	7,131.25	239.49	247.23	90.20	1,529.01	-4,386.17	3,835.97	3,413.15	422.82	9.072		
15,326.57	7,091.35	7,131.35	7,131.35	240.24	247.23	90.21	1,529.01	-4,386.17	3,855.09	3,432.52	422.57	9.123		
15,400.00	7,091.60	7,131.60	7,131.60	242.30	247.24	90.22	1,529.01	-4,386.17	3,908.60	3,486.73	421.88	9.265		
15,500.00	7,091.96	7,131.96	7,131.96	245.12	247.25	90.22	1,529.01	-4,386.17	3,982.51	3,561.58	420.93	9.461		
15,600.00	7,092.31	7,132.31	7,132.31	247.93	247.27	90.23	1,529.01	-4,386.17	4,057.53	3,637.56	419.96	9.662		
15,700.00	7,092.66	7,132.66	7,132.66	250.75	247.28	90.24	1,529.01	-4,386.17	4,133.61	3,714.61	418.99	9.866		
15,800.00	7,093.01	7,133.01	7,133.01	253.56	247.29	90.25	1,529.01	-4,386.17	4,210.69	3,792.66	418.02	10.073		
15,900.00	7,093.36	7,133.36	7,133.36	256.38	247.30	90.26	1,529.01	-4,386.17	4,288.71	3,871.66	417.06	10.283		
16,000.00	7,093.71	7,133.71	7,133.71	259.20	247.31	90.26	1,529.01	-4,386.17	4,367.63	3,951.54	416.09	10.497		
16,100.00	7,094.07	7,134.07	7,134.07	262.02	247.33	90.27	1,529.01	-4,386.17	4,447.40	4,032.27	415.13	10.713		
16,200.00	7,094.42	7,134.42	7,134.42	264.84	247.34	90.28	1,529.01	-4,386.17	4,527.98	4,113.80	414.18	10.932		
16,300.00	7,094.77	7,134.77	7,134.77	267.65	247.35	90.29	1,529.01	-4,386.17	4,609.31	4,196.08	413.23	11.154		
16,400.00	7,095.12	7,135.12	7,135.12	270.47	247.36	90.29	1,529.01	-4,386.17	4,691.36	4,279.07	412.30	11.379		
16,500.00	7,095.47	7,135.47	7,135.47	273.30	247.38	90.30	1,529.01	-4,386.17	4,774.10	4,362.73	411.38	11.605		
16,600.00	7,095.82	7,135.82	7,135.82	276.12	247.39	90.31	1,529.01	-4,386.17	4,857.49	4,447.03	410.47	11.834		
16,700.00	7,096.18	7,136.18	7,136.18	278.94	247.40	90.32	1,529.01	-4,386.17	4,941.50	4,531.93	409.57	12.065		
16,800.00	7,096.53	7,136.53	7,136.53	281.76	247.41	90.32	1,529.01	-4,386.17	5,026.09	4,617.40	408.69	12.298		
16,900.00	7,096.88	7,136.88	7,136.88	284.58	247.43	90.33	1,529.01	-4,386.17	5,111.24	4,703.42	407.82	12.533		
17,000.00	7,097.23	7,137.23	7,137.23	287.41	247.44	90.34	1,529.01	-4,386.17	5,196.92	4,789.95	406.97	12.770		
17,100.00	7,097.58	7,137.58	7,137.58	290.23	247.45	90.35	1,529.01	-4,386.17	5,283.10	4,876.96	406.13	13.008		
17,200.00	7,097.93	7,137.93	7,137.93	293.06	247.46	90.35	1,529.01	-4,386.17	5,369.75	4,964.45	405.31	13.249		
17,300.00	7,098.29	7,138.29	7,138.29	295.88	247.47	90.36	1,529.01	-4,386.17	5,456.87	5,052.37	404.50	13.490		
17,400.00	7,098.64	7,138.64	7,138.64	298.71	247.49	90.37	1,529.01	-4,386.17	5,544.42	5,140.71	403.71	13.734		
17,500.00	7,098.99	7,138.99	7,138.99	301.53	247.50	90.38	1,529.01	-4,386.17	5,632.39	5,229.45	402.94	13.978		
17,600.00	7,099.34	7,139.34	7,139.34	304.36	247.51	90.38	1,529.01	-4,386.17	5,720.75	5,318.57	402.18	14.224		
17,700.00	7,099.69	7,139.69	7,139.69	307.19	247.52	90.39	1,529.01	-4,386.17	5,809.48	5,408.05	401.43	14.472		
17,800.00	7,100.04	7,140.04	7,140.04	310.01	247.54	90.40	1,529.01	-4,386.17	5,898.58	5,497.88	400.70	14.721		
17,900.00	7,100.40	7,140.40	7,140.40	312.84	247.55	90.41	1,529.01	-4,386.17	5,988.03	5,588.04	399.99	14.970		
18,000.00	7,100.75	7,140.75	7,140.75	315.67	247.56	90.41	1,529.01	-4,386.17	6,077.80	5,678.51	399.29	15.222		
18,100.00	7,101.10	7,141.10	7,141.10	318.50	247.57	90.42	1,529.01	-4,386.17	6,167.88	5,769.28	398.61	15.474		
18,200.00	7,101.45	7,141.45	7,141.45	321.33	247.58	90.43	1,529.01	-4,386.17	6,258.27	5,860.33	397.94	15.727		
18,300.00	7,101.80	7,141.80	7,141.80	324.16	247.60	90.44	1,529.01	-4,386.17	6,348.95	5,951.66	397.28	15.981		
18,400.00	7,102.16	7,142.16	7,142.16	326.99	247.61	90.44	1,529.01	-4,386.17	6,439.90	6,043.26	396.64	16.236		
18,500.00	7,102.51	7,142.51	7,142.51	329.82	247.62	90.45	1,529.01	-4,386.17	6,531.11	6,135.10	396.01	16.492		
18,600.00	7,102.86	7,142.86	7,142.86	332.65	247.63	90.46	1,529.01	-4,386.17	6,622.58	6,227.18	395.40	16.749		
18,700.00	7,103.21	7,143.21	7,143.21	335.48	247.65	90.47	1,529.01	-4,386.17	6,714.30	6,319.49	394.80	17.007		
18,800.00	7,103.56	7,143.56	7,143.56	338.31	247.66	90.48	1,529.01	-4,386.17	6,806.24	6,412.03	394.22	17.265		
18,900.00	7,103.91	7,143.91	7,143.91	341.14	247.67	90.48	1,529.01	-4,386.17	6,898.41	6,504.77	393.64	17.525		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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 - OPAL #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	
18,924.52	7,104.00	7,144.00	7,144.00	341.83	247.67	90.48	1,529.01	-4,386.17	6,921.04	6,527.54	393.50	17.588	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	164.23	-3,616.81	1,021.61	3,758.32					
100.00	100.00	78.79	78.79	3.28	3.28	164.23	-3,617.06	1,021.29	3,758.51	3,751.94	6.57	572.128		
200.00	200.00	168.73	168.72	3.34	3.32	164.25	-3,617.80	1,020.54	3,759.07	3,752.41	6.66	564.550		
300.00	299.98	291.67	291.66	3.44	3.44	31.28	-3,618.48	1,020.30	3,758.08	3,751.20	6.88	545.964		
400.00	399.84	384.78	384.77	3.59	3.58	31.36	-3,618.54	1,020.49	3,753.73	3,746.55	7.18	523.080		
500.00	499.45	491.36	491.35	3.80	3.79	31.51	-3,618.64	1,020.84	3,746.47	3,738.88	7.58	493.983		
600.00	598.70	584.67	584.66	4.04	4.01	31.70	-3,618.63	1,021.28	3,736.19	3,728.14	8.04	464.500		
700.00	697.47	686.89	686.88	4.32	4.28	31.97	-3,618.75	1,021.60	3,723.04	3,714.45	8.59	433.244		
800.00	795.62	793.48	793.47	4.65	4.59	32.31	-3,618.65	1,021.99	3,706.82	3,697.60	9.22	402.257		
900.00	893.06	899.12	899.10	5.02	4.91	32.71	-3,618.31	1,022.40	3,687.49	3,677.61	9.88	373.116		
993.00	982.91	977.13	977.11	5.39	5.17	33.11	-3,618.13	1,022.56	3,667.02	3,656.54	10.48	349.901		
1,000.00	989.65	982.97	982.95	5.42	5.19	33.13	-3,618.13	1,022.57	3,665.40	3,654.87	10.53	348.089		
1,100.00	1,085.84	1,074.85	1,074.83	5.86	5.50	33.35	-3,618.19	1,022.69	3,642.38	3,631.16	11.23	324.462		
1,200.00	1,182.03	1,174.60	1,174.59	6.32	5.85	33.59	-3,618.30	1,022.73	3,619.43	3,607.46	11.97	302.329		
1,300.00	1,278.22	1,264.63	1,264.62	6.79	6.17	33.81	-3,618.37	1,022.72	3,596.51	3,583.81	12.71	283.025		
1,400.00	1,374.42	1,369.20	1,369.19	7.28	6.55	34.07	-3,618.55	1,022.85	3,573.77	3,560.25	13.52	264.406		
1,500.00	1,470.61	1,465.01	1,465.00	7.79	6.91	34.32	-3,618.45	1,022.85	3,550.80	3,536.49	14.31	248.157		
1,600.00	1,566.80	1,561.75	1,561.73	8.30	7.27	34.57	-3,618.54	1,022.62	3,528.01	3,512.90	15.12	233.404		
1,700.00	1,663.00	1,652.93	1,652.91	8.82	7.61	34.81	-3,618.56	1,022.45	3,505.25	3,489.34	15.92	220.232		
1,800.00	1,759.19	1,741.68	1,741.66	9.34	7.95	35.05	-3,618.85	1,022.21	3,482.82	3,466.10	16.72	208.280		
1,900.00	1,855.38	1,834.72	1,834.70	9.87	8.32	35.30	-3,619.30	1,021.80	3,460.56	3,443.01	17.55	197.133		
2,000.00	1,951.58	1,933.14	1,933.12	10.41	8.71	35.58	-3,619.86	1,021.37	3,438.47	3,420.06	18.42	186.718		
2,100.00	2,047.77	2,037.11	2,037.08	10.95	9.12	35.88	-3,620.19	1,020.66	3,416.15	3,396.85	19.30	176.977		
2,200.00	2,143.96	2,131.94	2,131.91	11.49	9.50	36.15	-3,620.59	1,019.78	3,393.98	3,373.81	20.16	168.317		
2,300.00	2,240.16	2,234.95	2,234.92	12.04	9.91	36.46	-3,620.83	1,018.74	3,371.67	3,350.61	21.06	160.090		
2,400.00	2,336.35	2,327.40	2,327.36	12.58	10.29	36.74	-3,621.08	1,017.70	3,349.48	3,327.56	21.93	152.760		
2,500.00	2,432.54	2,423.65	2,423.60	13.13	10.68	37.04	-3,621.34	1,016.85	3,327.41	3,304.60	22.81	145.868		
2,600.00	2,528.74	2,521.95	2,521.90	13.69	11.09	37.34	-3,621.57	1,016.03	3,305.41	3,281.70	23.71	139.422		
2,700.00	2,624.93	2,623.89	2,623.84	14.24	11.51	37.66	-3,621.67	1,015.05	3,283.34	3,258.72	24.62	133.353		
2,800.00	2,721.12	2,721.30	2,721.24	14.80	11.91	37.97	-3,621.66	1,014.27	3,261.29	3,235.77	25.52	127.780		
2,900.00	2,817.32	2,819.44	2,819.38	15.35	12.32	38.28	-3,621.54	1,013.50	3,239.23	3,212.80	26.43	122.560		
3,000.00	2,913.51	2,907.80	2,907.73	15.91	12.68	38.57	-3,621.57	1,012.68	3,217.37	3,190.07	27.31	117.819		
3,100.00	3,009.70	2,995.49	2,995.43	16.47	13.05	38.85	-3,621.80	1,011.95	3,195.86	3,167.67	28.19	113.375		
3,200.00	3,105.90	3,094.15	3,094.08	17.03	13.47	39.18	-3,622.12	1,011.36	3,174.53	3,145.42	29.11	109.051		
3,300.00	3,202.09	3,183.48	3,183.41	17.59	13.84	39.47	-3,622.41	1,011.15	3,153.34	3,123.34	30.00	105.108		
3,400.00	3,298.28	3,279.25	3,279.17	18.15	14.24	39.78	-3,622.82	1,011.21	3,132.39	3,101.48	30.92	101.322		
3,500.00	3,394.48	3,378.73	3,378.66	18.72	14.66	40.11	-3,623.21	1,011.14	3,111.48	3,079.64	31.85	97.705		
3,600.00	3,490.67	3,468.35	3,468.27	19.28	15.04	40.41	-3,623.55	1,011.19	3,090.68	3,057.94	32.75	94.386		
3,700.00	3,586.86	3,566.76	3,566.68	19.84	15.45	40.74	-3,624.11	1,011.16	3,070.15	3,036.47	33.68	91.163		
3,800.00	3,683.06	3,659.36	3,659.29	20.41	15.85	41.07	-3,624.58	1,010.77	3,049.61	3,015.02	34.60	88.151		
3,900.00	3,779.25	3,757.55	3,757.47	20.97	16.27	41.42	-3,625.25	1,010.45	3,029.35	2,993.82	35.53	85.253		
4,000.00	3,875.44	3,861.11	3,861.03	21.54	16.71	41.78	-3,625.65	1,010.35	3,008.94	2,972.45	36.49	82.456		
4,100.00	3,971.64	3,959.26	3,959.18	22.11	17.12	42.14	-3,625.89	1,010.27	2,988.50	2,951.07	37.43	79.836		
4,200.00	4,067.83	4,057.26	4,057.18	22.67	17.54	42.49	-3,626.08	1,010.33	2,968.14	2,929.76	38.37	77.349		
4,300.00	4,164.02	4,154.80	4,154.72	23.24	17.95	42.84	-3,626.18	1,010.47	2,947.81	2,908.50	39.31	74.989		
4,400.00	4,260.22	4,248.66	4,248.58	23.81	18.34	43.19	-3,626.27	1,010.88	2,927.61	2,887.37	40.23	72.763		
4,500.00	4,356.41	4,343.78	4,343.69	24.37	18.74	43.54	-3,626.48	1,011.23	2,907.62	2,866.46	41.17	70.632		
4,600.00	4,452.60	4,439.68	4,439.60	24.94	19.14	43.89	-3,626.62	1,011.83	2,887.71	2,845.60	42.10	68.589		
4,700.00	4,548.79	4,531.72	4,531.63	25.51	19.53	44.24	-3,626.89	1,012.30	2,868.03	2,825.00	43.03	66.653		
4,800.00	4,644.99	4,626.83	4,626.75	26.08	19.93	44.60	-3,627.27	1,012.66	2,848.56	2,804.59	43.97	64.782		
4,900.00	4,741.18	4,719.89	4,719.80	26.65	20.32	44.96	-3,627.65	1,013.05	2,829.23	2,784.32	44.91	62.998		
5,000.00	4,837.37	4,800.40	4,800.31	27.21	20.67	45.28	-3,628.30	1,013.36	2,810.40	2,764.59	45.81	61.344		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,895.07	4,894.97	27.78	21.07	45.66	-3,629.37	1,013.49	2,792.00	2,745.23	46.77	59.701		
5,200.00	5,029.76	4,991.44	4,991.34	28.35	21.49	46.06	-3,630.50	1,013.36	2,773.76	2,726.03	47.73	58.117		
5,300.00	5,125.95	5,096.62	5,096.51	28.92	21.94	46.51	-3,631.59	1,012.96	2,755.52	2,706.80	48.72	56.561		
5,400.00	5,222.15	5,190.26	5,190.14	29.49	22.34	46.91	-3,632.44	1,012.54	2,737.29	2,687.62	49.67	55.104		
5,500.00	5,318.34	5,293.87	5,293.74	30.06	22.79	47.36	-3,633.31	1,012.35	2,719.16	2,668.49	50.66	53.671		
5,600.00	5,414.53	5,399.88	5,399.76	30.63	23.25	47.82	-3,633.84	1,012.34	2,700.85	2,649.18	51.66	52.281		
5,700.00	5,510.73	5,509.55	5,509.43	31.20	23.72	48.31	-3,633.92	1,012.14	2,682.27	2,629.60	52.66	50.934		
5,800.00	5,606.92	5,589.24	5,589.12	31.77	24.05	48.67	-3,634.08	1,011.93	2,663.94	2,610.36	53.58	49.715		
5,900.00	5,703.11	5,700.92	5,700.79	32.34	24.52	49.17	-3,634.31	1,011.83	2,645.81	2,591.22	54.59	48.467		
6,000.00	5,799.31	5,793.08	5,792.95	32.91	24.91	49.59	-3,634.26	1,012.03	2,627.57	2,572.03	55.54	47.310		
6,100.00	5,895.50	5,883.23	5,883.10	33.48	25.29	50.00	-3,634.39	1,012.33	2,609.66	2,553.16	56.49	46.194		
6,200.00	5,991.69	5,988.48	5,988.35	34.05	25.73	50.50	-3,634.52	1,012.49	2,591.91	2,534.42	57.49	45.087		
6,300.00	6,087.89	6,076.44	6,076.31	34.62	26.10	50.91	-3,634.53	1,012.58	2,574.22	2,515.78	58.44	44.051		
6,400.00	6,184.08	6,179.08	6,178.95	35.19	26.53	51.40	-3,634.73	1,012.79	2,556.85	2,497.43	59.43	43.024		
6,500.00	6,280.27	6,280.27	6,280.15	35.77	26.95	51.89	-3,634.58	1,013.01	2,539.33	2,478.92	60.41	42.034		
6,535.30	6,314.23	6,316.16	6,316.03	35.97	27.10	52.07	-3,634.49	1,013.16	2,533.15	2,472.39	60.76	41.691		
6,550.00	6,328.40	6,331.55	6,331.42	36.05	27.16	48.48	-3,634.45	1,013.21	2,530.56	2,469.66	60.90	41.550		
6,600.00	6,377.01	6,384.28	6,384.15	36.31	27.38	32.61	-3,634.22	1,013.31	2,521.47	2,460.09	61.37	41.084		
6,650.00	6,426.00	6,431.56	6,431.43	36.54	27.58	10.82	-3,633.98	1,013.34	2,512.01	2,450.21	61.79	40.651		
6,700.00	6,475.08	6,476.49	6,476.36	36.73	27.77	-12.95	-3,633.81	1,013.41	2,502.34	2,440.16	62.18	40.246		
6,750.00	6,523.94	6,523.88	6,523.75	36.90	27.96	-32.57	-3,633.71	1,013.53	2,492.52	2,429.98	62.54	39.854		
6,800.00	6,572.28	6,573.65	6,573.52	37.05	28.17	-46.48	-3,633.58	1,013.59	2,482.54	2,419.64	62.90	39.469		
6,850.00	6,619.81	6,626.87	6,626.74	37.19	28.39	-56.20	-3,633.39	1,013.58	2,472.47	2,409.22	63.25	39.088		
6,900.00	6,666.23	6,683.64	6,683.51	37.32	28.63	-63.35	-3,632.97	1,013.57	2,462.31	2,398.69	63.61	38.707		
6,950.00	6,711.25	6,733.02	6,732.89	37.46	28.83	-68.82	-3,632.44	1,013.59	2,452.20	2,388.25	63.96	38.342		
7,000.00	6,754.60	6,778.24	6,778.10	37.61	29.02	-73.21	-3,631.92	1,013.63	2,442.43	2,378.13	64.29	37.988		
7,050.00	6,796.01	6,819.84	6,819.70	37.77	29.19	-76.85	-3,631.41	1,013.69	2,433.16	2,368.53	64.63	37.648		
7,100.00	6,835.22	6,857.62	6,857.48	37.94	29.35	-79.92	-3,630.96	1,013.85	2,424.61	2,359.64	64.97	37.320		
7,150.00	6,871.99	6,907.41	6,892.45	38.12	29.56	-82.55	-3,630.56	1,014.08	2,416.95	2,351.58	65.37	36.972		
7,200.00	6,906.10	6,926.33	6,926.18	38.34	29.64	-84.82	-3,630.20	1,014.36	2,410.36	2,344.69	65.67	36.707		
7,250.00	6,937.34	6,957.17	6,957.02	38.57	29.77	-86.75	-3,629.86	1,014.62	2,404.98	2,338.95	66.03	36.421		
7,300.00	6,965.51	6,984.93	6,984.78	38.84	29.88	-88.36	-3,629.56	1,014.86	2,400.98	2,334.57	66.41	36.152		
7,350.00	6,990.44	7,009.45	7,009.29	39.14	29.98	-89.66	-3,629.29	1,015.07	2,398.50	2,331.69	66.81	35.900		
7,399.87	7,011.92	7,030.50	7,030.35	39.47	30.07	-90.64	-3,629.06	1,015.24	2,397.65	2,330.43	67.22	35.667 CC		
7,400.00	7,011.97	7,030.55	7,030.39	39.47	30.07	-90.64	-3,629.06	1,015.24	2,397.65	2,330.42	67.22	35.666 ES		
7,450.00	7,029.98	7,048.13	7,047.97	39.85	30.15	-91.31	-3,628.87	1,015.39	2,398.53	2,330.88	67.66	35.452		
7,500.00	7,044.34	7,062.07	7,061.90	40.26	30.20	-91.66	-3,628.71	1,015.51	2,401.23	2,333.13	68.10	35.259		
7,550.00	7,054.99	7,072.27	7,072.11	40.72	30.25	-91.68	-3,628.60	1,015.60	2,405.77	2,337.21	68.56	35.089		
7,600.00	7,061.83	7,078.69	7,078.53	41.21	30.27	-91.39	-3,628.53	1,015.65	2,412.17	2,343.14	69.03	34.943		
7,650.00	7,064.85	7,081.28	7,081.12	41.73	30.29	-90.77	-3,628.50	1,015.67	2,420.40	2,350.89	69.50	34.825		
7,661.89	7,065.00	7,081.33	7,081.17	41.86	30.29	-90.57	-3,628.50	1,015.67	2,422.62	2,353.00	69.61	34.801		
7,700.00	7,065.13	7,081.14	7,080.98	42.28	30.28	-90.57	-3,628.51	1,015.67	2,430.19	2,360.21	69.98	34.727		
7,800.00	7,065.47	7,080.65	7,080.48	43.53	30.28	-90.56	-3,628.51	1,015.67	2,452.75	2,381.73	71.02	34.536		
7,900.00	7,065.82	7,080.15	7,079.99	44.94	30.28	-90.54	-3,628.52	1,015.66	2,479.15	2,407.00	72.15	34.362		
8,000.00	7,066.16	7,079.65	7,079.49	46.50	30.28	-90.53	-3,628.52	1,015.66	2,509.26	2,435.91	73.34	34.213		
8,100.00	7,066.50	7,079.16	7,078.99	48.19	30.28	-90.52	-3,628.53	1,015.65	2,542.94	2,468.36	74.58	34.098		
8,200.00	7,066.85	7,078.66	7,078.50	50.00	30.27	-90.51	-3,628.53	1,015.65	2,580.06	2,504.23	75.84	34.021		
8,300.00	7,067.19	7,078.17	7,078.00	51.91	30.27	-90.50	-3,628.54	1,015.65	2,620.48	2,543.38	77.10	33.988 SF		
8,400.00	7,067.54	7,077.67	7,077.51	53.92	30.27	-90.48	-3,628.54	1,015.64	2,664.04	2,585.68	78.36	33.999		
8,500.00	7,067.88	7,077.17	7,077.01	56.01	30.27	-90.47	-3,628.55	1,015.64	2,710.59	2,630.99	79.59	34.056		
8,600.00	7,068.22	7,076.68	7,076.51	58.16	30.27	-90.46	-3,628.56	1,015.63	2,759.97	2,679.17	80.80	34.158		
8,700.00	7,068.57	7,076.18	7,076.02	60.38	30.26	-90.45	-3,628.56	1,015.63	2,812.05	2,730.08	81.97	34.305		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,075.69	7,075.52	62.65	30.26	-90.44	-3,628.57	1,015.63	2,866.67	2,783.57	83.10	34.495		
8,900.00	7,069.25	7,075.19	7,075.03	64.97	30.26	-90.42	-3,628.57	1,015.62	2,923.70	2,839.51	84.19	34.727		
9,000.00	7,069.60	7,074.69	7,074.53	67.34	30.26	-90.41	-3,628.58	1,015.62	2,982.98	2,897.75	85.23	34.998		
9,100.00	7,069.94	7,074.20	7,074.03	69.74	30.26	-90.40	-3,628.58	1,015.61	3,044.40	2,958.17	86.23	35.307		
9,200.00	7,070.28	7,073.70	7,073.54	72.18	30.25	-90.39	-3,628.59	1,015.61	3,107.82	3,020.65	87.17	35.652		
9,300.00	7,070.63	7,073.21	7,073.04	74.65	30.25	-90.38	-3,628.59	1,015.60	3,173.12	3,085.05	88.07	36.029		
9,400.00	7,070.97	7,072.71	7,072.55	77.15	30.25	-90.36	-3,628.60	1,015.60	3,240.20	3,151.28	88.92	36.438		
9,500.00	7,071.32	7,072.21	7,072.05	79.67	30.25	-90.35	-3,628.60	1,015.60	3,308.94	3,219.21	89.73	36.876		
9,600.00	7,071.66	7,071.72	7,071.55	82.22	30.25	-90.34	-3,628.61	1,015.59	3,379.24	3,288.74	90.49	37.342		
9,700.00	7,072.00	7,071.22	7,071.06	84.78	30.24	-90.33	-3,628.61	1,015.59	3,451.00	3,359.79	91.22	37.833		
9,800.00	7,072.35	7,070.72	7,070.56	87.37	30.24	-90.32	-3,628.62	1,015.58	3,524.15	3,432.25	91.90	38.348		
9,900.00	7,072.69	7,070.23	7,070.07	89.97	30.24	-90.30	-3,628.63	1,015.58	3,598.58	3,506.04	92.55	38.885		
10,000.00	7,073.03	7,069.73	7,069.57	92.59	30.24	-90.29	-3,628.63	1,015.58	3,674.23	3,581.07	93.15	39.442		
10,100.00	7,073.38	7,069.24	7,069.07	95.22	30.23	-90.28	-3,628.64	1,015.57	3,751.02	3,657.29	93.73	40.019		
10,200.00	7,073.72	7,068.74	7,068.58	97.86	30.23	-90.27	-3,628.64	1,015.57	3,828.88	3,734.60	94.27	40.614		
10,300.00	7,074.07	7,068.24	7,068.08	100.52	30.23	-90.26	-3,628.65	1,015.56	3,907.75	3,812.96	94.79	41.226		
10,400.00	7,074.41	7,067.75	7,067.58	103.19	30.23	-90.25	-3,628.65	1,015.56	3,987.56	3,892.29	95.27	41.854		
10,500.00	7,074.75	7,067.25	7,067.09	105.87	30.23	-90.23	-3,628.66	1,015.55	4,068.27	3,972.54	95.73	42.496		
10,600.00	7,075.10	7,066.76	7,066.59	108.55	30.22	-90.22	-3,628.66	1,015.55	4,149.82	4,053.65	96.17	43.153		
10,700.00	7,075.44	7,066.26	7,066.10	111.25	30.22	-90.21	-3,628.67	1,015.55	4,232.16	4,135.58	96.58	43.822		
10,800.00	7,075.78	7,065.76	7,065.60	113.96	30.22	-90.20	-3,628.67	1,015.54	4,315.24	4,218.28	96.97	44.502		
10,900.00	7,076.13	7,065.27	7,065.10	116.67	30.22	-90.19	-3,628.68	1,015.54	4,399.03	4,301.70	97.34	45.195		
11,000.00	7,076.47	7,064.77	7,064.61	119.39	30.22	-90.17	-3,628.69	1,015.53	4,483.49	4,385.80	97.69	45.897		
11,100.00	7,076.81	7,064.28	7,064.11	122.11	30.21	-90.16	-3,628.69	1,015.53	4,568.57	4,470.55	98.02	46.610		
11,200.00	7,077.16	7,063.78	7,063.62	124.85	30.21	-90.15	-3,628.70	1,015.52	4,654.25	4,555.91	98.33	47.332		
11,300.00	7,077.50	7,063.28	7,063.12	127.58	30.21	-90.14	-3,628.70	1,015.52	4,740.48	4,641.85	98.63	48.062		
11,400.00	7,077.85	7,062.79	7,062.62	130.33	30.21	-90.13	-3,628.71	1,015.52	4,827.25	4,728.33	98.92	48.801		
11,500.00	7,078.19	7,062.29	7,062.13	133.08	30.21	-90.11	-3,628.71	1,015.51	4,914.52	4,815.33	99.19	49.547		
11,600.00	7,078.53	7,061.79	7,061.63	135.83	30.20	-90.10	-3,628.72	1,015.51	5,002.27	4,902.82	99.45	50.301		
11,700.00	7,078.88	7,061.30	7,061.14	138.59	30.20	-90.09	-3,628.72	1,015.50	5,090.47	4,990.77	99.69	51.061		
11,800.00	7,079.22	7,060.80	7,060.64	141.35	30.20	-90.08	-3,628.73	1,015.50	5,179.09	5,079.16	99.93	51.827		
11,900.00	7,079.56	7,060.31	7,060.14	144.11	30.20	-90.07	-3,628.73	1,015.50	5,268.13	5,167.97	100.15	52.600		
12,000.00	7,079.91	7,059.81	7,059.65	146.88	30.20	-90.05	-3,628.74	1,015.49	5,357.55	5,257.18	100.37	53.378		
12,100.00	7,080.25	7,059.31	7,059.15	149.66	30.19	-90.04	-3,628.74	1,015.49	5,447.34	5,346.76	100.58	54.162		
12,200.00	7,080.60	7,058.82	7,058.66	152.43	30.19	-90.03	-3,628.75	1,015.48	5,537.48	5,436.71	100.77	54.950		
12,300.00	7,080.94	7,058.32	7,058.16	155.21	30.19	-90.02	-3,628.76	1,015.48	5,627.95	5,526.99	100.96	55.743		
12,400.00	7,081.28	7,057.83	7,057.66	157.99	30.19	-90.01	-3,628.76	1,015.47	5,718.74	5,617.60	101.14	56.541		
12,500.00	7,081.63	7,057.33	7,057.17	160.78	30.19	-89.99	-3,628.77	1,015.47	5,809.83	5,708.52	101.32	57.342		
12,600.00	7,081.97	7,056.83	7,056.67	163.57	30.18	-89.98	-3,628.77	1,015.47	5,901.21	5,799.73	101.49	58.148		
12,700.00	7,082.31	7,056.34	7,056.18	166.36	30.18	-89.97	-3,628.78	1,015.46	5,992.87	5,891.22	101.65	58.957		
12,800.00	7,082.66	7,055.84	7,055.68	169.15	30.18	-89.96	-3,628.78	1,015.46	6,084.79	5,982.99	101.80	59.770		
12,900.00	7,083.00	7,055.35	7,055.18	171.94	30.18	-89.95	-3,628.79	1,015.45	6,176.96	6,075.00	101.95	60.586		
13,000.00	7,083.35	7,054.85	7,054.69	174.74	30.17	-89.93	-3,628.79	1,015.45	6,269.37	6,167.27	102.10	61.405		
13,100.00	7,083.69	7,054.35	7,054.19	177.54	30.17	-89.92	-3,628.80	1,015.45	6,362.01	6,259.77	102.24	62.227		
13,200.00	7,084.03	7,053.86	7,053.69	180.34	30.17	-89.91	-3,628.80	1,015.44	6,454.87	6,352.49	102.37	63.052		
13,300.00	7,084.38	7,053.36	7,053.20	183.14	30.17	-89.90	-3,628.81	1,015.44	6,547.94	6,445.43	102.51	63.879		
13,400.00	7,084.72	7,052.86	7,052.70	185.95	30.17	-89.89	-3,628.82	1,015.43	6,641.21	6,538.57	102.63	64.709		
13,500.00	7,085.06	7,052.37	7,052.21	188.76	30.16	-89.87	-3,628.82	1,015.43	6,734.67	6,631.91	102.76	65.540		
13,600.00	7,085.41	7,051.87	7,051.71	191.56	30.16	-89.86	-3,628.83	1,015.42	6,828.32	6,725.44	102.88	66.375		
13,700.00	7,085.75	7,051.38	7,051.21	194.37	30.16	-89.85	-3,628.83	1,015.42	6,922.14	6,819.15	102.99	67.211		
13,800.00	7,086.09	7,050.88	7,050.72	197.18	30.16	-89.84	-3,628.84	1,015.42	7,016.14	6,913.04	103.10	68.049		
13,900.00	7,086.44	7,050.38	7,050.22	200.00	30.16	-89.83	-3,628.84	1,015.41	7,110.30	7,007.09	103.21	68.888		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,049.89	7,049.73	202.81	30.15	-89.81	-3,628.85	1,015.41	7,204.62	7,101.30	103.32	69.730		
14,100.00	7,087.13	7,049.39	7,049.23	205.63	30.15	-89.80	-3,628.85	1,015.40	7,299.09	7,195.66	103.43	70.573		
14,200.00	7,087.47	7,048.90	7,048.73	208.44	30.15	-89.79	-3,628.86	1,015.40	7,393.70	7,290.18	103.53	71.417		
14,300.00	7,087.81	7,048.40	7,048.24	211.26	30.15	-89.78	-3,628.86	1,015.39	7,488.46	7,384.83	103.63	72.263		
14,400.00	7,088.16	7,047.90	7,047.74	214.08	30.15	-89.77	-3,628.87	1,015.39	7,583.35	7,479.62	103.73	73.109		
14,500.00	7,088.50	7,047.41	7,047.25	216.90	30.14	-89.76	-3,628.87	1,015.39	7,678.37	7,574.55	103.82	73.958		
14,600.00	7,088.84	7,046.91	7,046.75	219.72	30.14	-89.74	-3,628.88	1,015.38	7,773.51	7,669.60	103.91	74.807		
14,700.00	7,089.19	7,046.42	7,046.25	222.54	30.14	-89.73	-3,628.89	1,015.38	7,868.78	7,764.77	104.01	75.657		
14,800.00	7,089.53	7,045.92	7,045.76	225.37	30.14	-89.72	-3,628.89	1,015.37	7,964.16	7,860.06	104.10	76.508		
14,900.00	7,089.88	7,045.42	7,045.26	228.19	30.14	-89.71	-3,628.90	1,015.37	8,059.65	7,955.46	104.18	77.360		
15,000.00	7,090.22	7,044.93	7,044.77	231.02	30.13	-89.70	-3,628.90	1,015.37	8,155.25	8,050.98	104.27	78.212		
15,100.00	7,090.56	7,044.43	7,044.27	233.84	30.13	-89.68	-3,628.91	1,015.36	8,250.95	8,146.60	104.36	79.066		
15,200.00	7,090.91	7,043.93	7,043.77	236.67	30.13	-89.67	-3,628.91	1,015.36	8,346.76	8,242.32	104.44	79.919		
15,227.29	7,091.00	7,043.80	7,043.64	237.44	30.13	-89.67	-3,628.91	1,015.36	8,372.92	8,268.46	104.46	80.153		
15,300.00	7,091.25	7,043.43	7,043.27	239.49	30.13	-89.69	-3,628.92	1,015.35	8,442.39	8,337.87	104.52	80.771		
15,326.57	7,091.35	7,043.29	7,043.13	240.24	30.13	-89.70	-3,628.92	1,015.35	8,467.66	8,363.11	104.54	80.996		
15,400.00	7,091.60	7,042.91	7,042.75	242.30	30.12	-89.69	-3,628.92	1,015.35	8,537.41	8,432.80	104.61	81.615		
15,500.00	7,091.96	7,042.38	7,042.22	245.12	30.12	-89.68	-3,628.93	1,015.34	8,632.50	8,527.81	104.69	82.459		
15,600.00	7,092.31	7,041.85	7,041.69	247.93	30.12	-89.67	-3,628.94	1,015.34	8,727.70	8,622.93	104.77	83.303		
15,700.00	7,092.66	7,041.33	7,041.17	250.75	30.12	-89.66	-3,628.94	1,015.34	8,823.01	8,718.16	104.85	84.148		
15,800.00	7,093.01	7,040.80	7,040.64	253.56	30.12	-89.65	-3,628.95	1,015.33	8,918.42	8,813.49	104.93	84.994		
15,900.00	7,093.36	7,040.28	7,040.12	256.38	30.11	-89.63	-3,628.95	1,015.33	9,013.93	8,908.92	105.01	85.840		
16,000.00	7,093.71	7,039.75	7,039.59	259.20	30.11	-89.62	-3,628.96	1,015.32	9,109.53	9,004.45	105.09	86.687		
16,100.00	7,094.07	7,039.23	7,039.07	262.02	30.11	-89.61	-3,628.96	1,015.32	9,205.23	9,100.07	105.16	87.534		
16,200.00	7,094.42	7,038.70	7,038.54	264.84	30.11	-89.60	-3,628.97	1,015.31	9,301.02	9,195.78	105.24	88.381		
16,300.00	7,094.77	7,038.18	7,038.02	267.65	30.10	-89.59	-3,628.98	1,015.31	9,396.89	9,291.58	105.31	89.229		
16,400.00	7,095.12	7,037.65	7,037.49	270.47	30.10	-89.58	-3,628.98	1,015.30	9,492.86	9,387.47	105.39	90.077		
16,500.00	7,095.47	7,037.12	7,036.96	273.30	30.10	-89.57	-3,628.99	1,015.30	9,588.90	9,483.44	105.46	90.925		
16,600.00	7,095.82	7,036.60	7,036.44	276.12	30.10	-89.56	-3,628.99	1,015.30	9,685.03	9,579.49	105.53	91.773		
16,700.00	7,096.18	7,036.07	7,035.91	278.94	30.10	-89.54	-3,629.00	1,015.29	9,781.23	9,675.62	105.60	92.622		
16,800.00	7,096.53	7,035.55	7,035.39	281.76	30.09	-89.53	-3,629.00	1,015.29	9,877.50	9,771.83	105.68	93.470		
16,900.00	7,096.88	7,035.02	7,034.86	284.58	30.09	-89.52	-3,629.01	1,015.28	9,973.86	9,868.11	105.75	94.319		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	138.43	-1,111.11	985.35	1,485.52					
100.00	100.00	69.29	69.29	3.28	3.28	138.44	-1,111.06	985.23	1,484.97	1,478.40	6.57	226.088		
200.00	200.00	173.67	173.67	3.34	3.32	138.44	-1,110.77	984.70	1,484.43	1,477.77	6.66	222.888		
300.00	299.98	271.62	271.61	3.44	3.42	5.46	-1,110.41	984.18	1,482.07	1,475.21	6.86	216.160		
400.00	399.84	373.90	373.89	3.59	3.56	5.50	-1,110.09	983.71	1,476.32	1,469.17	7.16	206.251		
500.00	499.45	476.14	476.13	3.80	3.76	5.55	-1,109.59	983.06	1,466.86	1,459.31	7.55	194.208		
600.00	598.70	575.29	575.28	4.04	3.98	5.63	-1,109.00	982.40	1,453.86	1,445.84	8.02	181.263		
700.00	697.47	675.32	675.31	4.32	4.24	5.73	-1,108.46	981.66	1,437.40	1,428.85	8.56	167.978		
800.00	795.62	775.43	775.41	4.65	4.52	5.87	-1,107.91	980.71	1,417.40	1,408.25	9.15	154.908		
900.00	893.06	872.03	872.00	5.02	4.82	6.03	-1,107.37	979.69	1,393.93	1,384.16	9.78	142.546		
993.00	982.91	962.26	962.22	5.39	5.11	6.21	-1,106.88	978.78	1,369.14	1,358.74	10.40	131.643		
1,000.00	989.65	969.09	969.05	5.42	5.13	6.22	-1,106.84	978.71	1,367.16	1,356.71	10.45	130.779		
1,100.00	1,085.84	1,064.63	1,064.59	5.86	5.45	6.37	-1,106.37	977.59	1,338.89	1,327.75	11.14	120.221		
1,200.00	1,182.03	1,159.51	1,159.46	6.32	5.78	6.52	-1,105.92	976.58	1,310.70	1,298.86	11.85	110.650		
1,300.00	1,278.22	1,256.94	1,256.89	6.79	6.13	6.67	-1,105.31	975.72	1,282.54	1,269.95	12.59	101.908		
1,400.00	1,374.42	1,353.47	1,353.41	7.28	6.49	6.83	-1,104.61	974.74	1,254.22	1,240.88	13.34	94.010		
1,500.00	1,470.61	1,448.54	1,448.47	7.79	6.84	7.00	-1,104.02	973.75	1,225.97	1,211.86	14.11	86.892		
1,600.00	1,566.80	1,543.49	1,543.42	8.30	7.20	7.17	-1,103.36	972.90	1,197.77	1,182.88	14.89	80.440		
1,700.00	1,663.00	1,638.00	1,637.92	8.82	7.56	7.34	-1,102.75	972.17	1,169.69	1,154.01	15.68	74.588		
1,800.00	1,759.19	1,734.14	1,734.05	9.34	7.94	7.54	-1,102.40	971.22	1,141.70	1,125.21	16.49	69.244		
1,900.00	1,855.38	1,828.95	1,828.86	9.87	8.31	7.75	-1,101.96	970.27	1,113.63	1,096.33	17.30	64.374		
2,000.00	1,951.58	1,917.75	1,917.66	10.41	8.66	7.94	-1,101.76	969.83	1,086.07	1,067.96	18.10	59.991		
2,100.00	2,047.77	2,010.44	2,010.34	10.95	9.03	8.16	-1,102.01	969.49	1,058.97	1,040.04	18.92	55.960		
2,200.00	2,143.96	2,104.67	2,104.57	11.49	9.40	8.41	-1,102.60	969.11	1,032.13	1,012.38	19.75	52.254		
2,300.00	2,240.16	2,200.14	2,200.04	12.04	9.79	8.67	-1,103.26	968.85	1,005.44	984.85	20.59	48.835		
2,400.00	2,336.35	2,297.41	2,297.31	12.58	10.18	8.96	-1,103.97	968.53	978.75	957.32	21.43	45.665		
2,500.00	2,432.54	2,393.72	2,393.61	13.13	10.57	9.27	-1,104.75	968.01	952.04	929.76	22.28	42.729		
2,600.00	2,528.74	2,488.59	2,488.48	13.69	10.95	9.59	-1,105.51	967.62	925.42	902.29	23.13	40.009		
2,700.00	2,624.93	2,585.00	2,584.88	14.24	11.35	9.92	-1,106.27	967.37	898.91	874.92	23.99	37.478		
2,800.00	2,721.12	2,680.14	2,680.03	14.80	11.74	10.27	-1,107.06	967.12	872.46	847.61	24.84	35.120		
2,900.00	2,817.32	2,777.23	2,777.11	15.35	12.13	10.65	-1,107.91	966.91	846.10	820.39	25.70	32.916		
3,000.00	2,913.51	2,872.16	2,872.03	15.91	12.53	11.03	-1,108.62	966.83	819.75	793.18	26.57	30.855		
3,100.00	3,009.70	2,968.39	2,968.26	16.47	12.92	11.45	-1,109.48	966.81	793.59	766.16	27.44	28.926		
3,200.00	3,105.90	3,065.31	3,065.18	17.03	13.32	11.90	-1,110.31	966.74	767.41	739.11	28.31	27.112		
3,300.00	3,202.09	3,163.20	3,163.06	17.59	13.73	12.39	-1,111.12	966.50	741.17	711.99	29.18	25.401		
3,400.00	3,298.28	3,259.63	3,259.49	18.15	14.13	12.91	-1,111.71	966.23	714.80	684.74	30.05	23.784		
3,500.00	3,394.48	3,353.54	3,353.40	18.72	14.52	13.46	-1,112.44	966.03	688.64	657.70	30.93	22.261		
3,600.00	3,490.67	3,444.08	3,443.93	19.28	14.90	14.03	-1,113.66	965.96	663.08	631.26	31.82	20.837		
3,700.00	3,586.86	3,533.93	3,533.75	19.84	15.27	14.68	-1,115.87	966.22	638.70	605.98	32.72	19.522		
3,800.00	3,683.06	3,627.71	3,627.49	20.41	15.67	15.40	-1,118.80	966.87	615.15	581.53	33.61	18.301		
3,900.00	3,779.25	3,724.76	3,724.48	20.97	16.07	16.20	-1,121.94	967.67	591.88	557.36	34.51	17.150		
4,000.00	3,875.44	3,822.86	3,822.53	21.54	16.49	17.07	-1,125.02	968.44	568.62	533.21	35.41	16.056		
4,100.00	3,971.64	3,921.58	3,921.20	22.11	16.90	18.02	-1,127.83	969.05	545.17	508.86	36.32	15.011		
4,200.00	4,067.83	4,018.67	4,018.26	22.67	17.31	19.06	-1,130.52	969.48	521.73	484.50	37.23	14.013		
4,300.00	4,164.02	4,116.53	4,116.09	23.24	17.72	20.19	-1,133.07	969.90	498.32	460.17	38.15	13.062		
4,400.00	4,260.22	4,214.48	4,214.01	23.81	18.13	21.44	-1,135.39	970.22	474.85	435.78	39.07	12.152		
4,500.00	4,356.41	4,311.70	4,311.20	24.37	18.54	22.79	-1,137.51	970.53	451.45	411.44	40.01	11.283		
4,600.00	4,452.60	4,409.70	4,409.18	24.94	18.96	24.30	-1,139.43	970.77	428.08	387.13	40.95	10.453		
4,700.00	4,548.79	4,507.13	4,506.60	25.51	19.37	26.00	-1,141.18	970.70	404.77	362.86	41.91	9.657		
4,800.00	4,644.99	4,603.17	4,602.62	26.08	19.77	27.91	-1,142.94	970.44	381.80	338.90	42.90	8.899		
4,900.00	4,741.18	4,700.14	4,699.58	26.65	20.18	30.08	-1,144.68	970.19	359.26	315.36	43.91	8.182		
5,000.00	4,837.37	4,797.35	4,796.77	27.21	20.59	32.48	-1,146.18	970.16	337.11	292.17	44.94	7.502		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,894.05	4,893.47	27.78	21.00	35.12	-1,147.43	970.49	315.44	269.45	46.00	6.858		
5,200.00	5,029.76	4,992.09	4,991.49	28.35	21.41	38.15	-1,148.38	970.94	294.24	247.16	47.08	6.250		
5,300.00	5,125.95	5,088.24	5,087.65	28.92	21.82	41.63	-1,149.12	971.03	273.71	225.47	48.23	5.675		
5,400.00	5,222.15	5,185.60	5,185.01	29.49	22.23	45.73	-1,149.80	970.94	254.25	204.81	49.43	5.143		
5,500.00	5,318.34	5,282.39	5,281.79	30.06	22.64	50.42	-1,150.10	970.90	235.90	185.20	50.70	4.653		
5,600.00	5,414.53	5,378.39	5,377.79	30.63	23.05	55.83	-1,150.33	970.65	219.34	167.29	52.05	4.214		
5,700.00	5,510.73	5,475.19	5,474.59	31.20	23.46	62.18	-1,150.45	970.03	205.10	151.65	53.45	3.837		
5,800.00	5,606.92	5,571.92	5,571.31	31.77	23.87	69.43	-1,150.09	969.16	193.43	138.56	54.87	3.525		
5,900.00	5,703.11	5,668.32	5,667.71	32.34	24.28	77.42	-1,149.38	968.32	185.04	128.79	56.25	3.290		
6,000.00	5,799.31	5,764.41	5,763.79	32.91	24.68	85.96	-1,148.44	967.45	180.61	123.10	57.51	3.141		
6,052.28	5,849.60	5,814.65	5,814.02	33.21	24.89	90.50	-1,147.96	967.10	180.01	121.92	58.09	3.099		
6,100.00	5,895.50	5,860.48	5,859.85	33.48	25.09	94.63	-1,147.52	966.80	180.51	121.94	58.57	3.082		
6,200.00	5,991.69	5,956.28	5,955.64	34.05	25.49	103.10	-1,146.58	966.21	184.79	125.38	59.41	3.111		
6,300.00	6,087.89	6,052.67	6,052.03	34.62	25.90	111.11	-1,145.57	965.58	193.18	133.12	60.06	3.216		
6,400.00	6,184.08	6,148.64	6,147.97	35.19	26.31	118.60	-1,143.59	964.93	204.95	144.37	60.58	3.383		
6,500.00	6,280.27	6,244.22	6,243.52	35.77	26.71	125.31	-1,141.22	964.10	220.09	159.08	61.02	3.607		
6,535.30	6,314.23	6,278.10	6,277.38	35.97	26.86	127.52	-1,140.20	963.81	226.09	164.93	61.17	3.696		
6,550.00	6,328.40	6,292.22	6,291.50	36.05	26.92	125.02	-1,139.73	963.69	228.51	167.29	61.23	3.732		
6,600.00	6,377.01	6,341.57	6,340.82	36.31	27.13	112.76	-1,138.05	963.38	234.55	173.09	61.45	3.817		
6,650.00	6,426.00	6,391.58	6,390.80	36.54	27.34	94.51	-1,136.37	963.35	236.97	175.30	61.67	3.842		
6,700.00	6,475.08	6,440.98	6,440.18	36.73	27.55	74.26	-1,134.84	963.54	235.78	173.92	61.86	3.812		
6,750.00	6,523.94	6,490.14	6,489.32	36.90	27.75	58.26	-1,133.66	963.85	231.05	169.05	62.01	3.726		
6,800.00	6,572.28	6,538.59	6,537.76	37.05	27.96	48.24	-1,132.85	964.22	222.85	160.73	62.12	3.587		
6,850.00	6,619.81	6,586.27	6,585.44	37.19	28.16	42.86	-1,132.43	964.62	211.28	149.09	62.19	3.397		
6,900.00	6,666.23	6,632.26	6,631.43	37.32	28.35	40.71	-1,132.36	964.97	196.58	134.40	62.18	3.161		
6,950.00	6,711.25	6,676.78	6,675.95	37.46	28.54	41.14	-1,132.50	965.16	179.17	117.06	62.11	2.885		
7,000.00	6,754.60	6,719.91	6,719.08	37.61	28.73	44.05	-1,132.81	965.20	159.49	97.52	61.96	2.574		
7,050.00	6,796.01	6,761.28	6,760.45	37.77	28.90	49.80	-1,133.16	965.18	138.31	76.53	61.77	2.239		
7,100.00	6,835.22	6,800.54	6,799.70	37.94	29.07	58.96	-1,133.52	965.11	117.13	55.45	61.69	1.899		
7,150.00	6,871.99	6,837.56	6,836.72	38.12	29.23	71.78	-1,133.90	965.01	98.86	36.65	62.21	1.589		
7,200.00	6,906.10	6,872.01	6,871.17	38.34	29.37	86.99	-1,134.34	964.88	88.68	24.51	64.16	1.382	Level 3	
7,213.03	6,914.53	6,880.54	6,879.69	38.40	29.41	90.98	-1,134.45	964.84	88.16	23.26	64.90	1.358	Level 3, CC, ES, SF	
7,250.00	6,937.34	6,903.67	6,902.83	38.57	29.51	101.58	-1,134.79	964.72	92.53	25.62	66.91	1.383	Level 3	
7,300.00	6,965.51	6,932.09	6,931.24	38.84	29.63	112.83	-1,135.22	964.57	111.48	43.05	68.42	1.629		
7,350.00	6,990.44	6,957.32	6,956.46	39.14	29.73	120.20	-1,135.59	964.42	141.33	72.63	68.69	2.057		
7,400.00	7,011.97	6,979.16	6,978.31	39.47	29.83	124.09	-1,135.91	964.30	177.92	109.42	68.50	2.597		
7,450.00	7,029.98	6,997.50	6,996.64	39.85	29.91	124.98	-1,136.17	964.19	218.75	150.55	68.20	3.207		
7,500.00	7,044.34	7,012.15	7,011.29	40.26	29.97	122.99	-1,136.37	964.10	262.40	194.49	67.91	3.864		
7,550.00	7,054.99	7,023.07	7,022.20	40.72	30.01	117.86	-1,136.53	964.04	307.99	240.35	67.64	4.553		
7,600.00	7,061.83	7,030.18	7,029.32	41.21	30.04	109.03	-1,136.63	964.00	354.90	287.50	67.40	5.265		
7,650.00	7,064.85	7,033.46	7,032.60	41.73	30.06	96.19	-1,136.68	963.98	402.63	335.44	67.19	5.993		
7,661.89	7,065.00	7,033.67	7,032.81	41.86	30.06	92.61	-1,136.68	963.98	414.05	346.91	67.14	6.167		
7,700.00	7,065.13	7,034.01	7,033.15	42.28	30.06	92.78	-1,136.69	963.97	450.82	383.82	66.99	6.729		
7,800.00	7,065.47	7,034.89	7,034.03	43.53	30.06	93.22	-1,136.70	963.97	548.16	481.46	66.70	8.218		
7,900.00	7,065.82	7,035.77	7,034.91	44.94	30.07	93.66	-1,136.71	963.96	646.32	579.82	66.50	9.719		
8,000.00	7,066.16	7,036.65	7,035.78	46.50	30.07	94.11	-1,136.72	963.96	744.96	678.61	66.35	11.228		
8,100.00	7,066.50	7,037.52	7,036.66	48.19	30.08	94.54	-1,136.74	963.96	843.92	777.69	66.23	12.742		
8,200.00	7,066.85	7,038.39	7,037.53	50.00	30.08	94.98	-1,136.75	963.95	943.10	876.96	66.14	14.258		
8,300.00	7,067.19	7,039.26	7,038.39	51.91	30.08	95.41	-1,136.76	963.95	1,042.44	976.36	66.07	15.777		
8,400.00	7,067.54	7,040.12	7,039.26	53.92	30.09	95.85	-1,136.77	963.94	1,141.89	1,075.87	66.02	17.297		
8,500.00	7,067.88	7,040.98	7,040.12	56.01	30.09	96.28	-1,136.79	963.94	1,241.43	1,175.46	65.97	18.817		
8,600.00	7,068.22	7,041.84	7,040.98	58.16	30.09	96.71	-1,136.80	963.93	1,341.04	1,275.10	65.94	20.338		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	7,068.57	7,042.70	7,041.84	60.38	30.10	97.13	-1,136.81	963.93	1,440.70	1,374.79	65.91	21.859		
8,800.00	7,068.91	7,043.56	7,042.69	62.65	30.10	97.56	-1,136.82	963.92	1,540.40	1,474.52	65.89	23.380		
8,900.00	7,069.25	7,044.41	7,043.54	64.97	30.10	97.98	-1,136.84	963.92	1,640.14	1,574.27	65.87	24.900		
9,000.00	7,069.60	7,045.26	7,044.39	67.34	30.11	98.40	-1,136.85	963.91	1,739.91	1,674.06	65.86	26.420		
9,100.00	7,069.94	7,046.10	7,045.24	69.74	30.11	98.82	-1,136.86	963.91	1,839.71	1,773.86	65.85	27.939		
9,200.00	7,070.28	7,046.95	7,046.08	72.18	30.12	99.24	-1,136.87	963.90	1,939.52	1,873.68	65.84	29.457		
9,300.00	7,070.63	7,047.79	7,046.92	74.65	30.12	99.65	-1,136.89	963.90	2,039.35	1,973.51	65.84	30.975		
9,400.00	7,070.97	7,048.63	7,047.76	77.15	30.12	100.06	-1,136.90	963.90	2,139.20	2,073.36	65.84	32.491		
9,500.00	7,071.32	7,049.46	7,048.60	79.67	30.13	100.47	-1,136.91	963.89	2,239.06	2,173.22	65.84	34.007		
9,600.00	7,071.66	7,050.29	7,049.43	82.22	30.13	100.88	-1,136.92	963.89	2,338.94	2,273.09	65.85	35.521		
9,700.00	7,072.00	7,051.13	7,050.26	84.78	30.13	101.29	-1,136.93	963.88	2,438.82	2,372.96	65.85	37.033		
9,800.00	7,072.35	7,051.95	7,051.09	87.37	30.14	101.69	-1,136.95	963.88	2,538.71	2,472.85	65.86	38.545		
9,900.00	7,072.69	7,052.78	7,051.91	89.97	30.14	102.09	-1,136.96	963.87	2,638.61	2,572.73	65.88	40.055		
10,000.00	7,073.03	7,053.60	7,052.74	92.59	30.14	102.49	-1,136.97	963.87	2,738.52	2,672.63	65.89	41.563		
10,100.00	7,073.38	7,054.42	7,053.56	95.22	30.15	102.89	-1,136.98	963.87	2,838.43	2,772.53	65.90	43.070		
10,200.00	7,073.72	7,055.24	7,054.37	97.86	30.15	103.28	-1,136.99	963.86	2,938.35	2,872.43	65.92	44.575		
10,300.00	7,074.07	7,056.06	7,055.19	100.52	30.15	103.67	-1,137.01	963.86	3,038.27	2,972.33	65.94	46.078		
10,400.00	7,074.41	7,056.87	7,056.00	103.19	30.16	104.06	-1,137.02	963.85	3,138.20	3,072.24	65.96	47.579		
10,500.00	7,074.75	7,057.68	7,056.81	105.87	30.16	104.45	-1,137.03	963.85	3,238.13	3,172.16	65.98	49.079		
10,600.00	7,075.10	7,058.49	7,057.62	108.55	30.16	104.83	-1,137.04	963.84	3,338.07	3,272.07	66.00	50.576		
10,700.00	7,075.44	7,059.29	7,058.43	111.25	30.17	105.21	-1,137.05	963.84	3,438.01	3,371.99	66.03	52.071		
10,800.00	7,075.78	7,060.10	7,059.23	113.96	30.17	105.59	-1,137.07	963.84	3,537.95	3,471.90	66.05	53.564		
10,900.00	7,076.13	7,060.90	7,060.03	116.67	30.17	105.97	-1,137.08	963.83	3,637.90	3,571.82	66.08	55.055		
11,000.00	7,076.47	7,061.69	7,060.83	119.39	30.18	106.34	-1,137.09	963.83	3,737.85	3,671.74	66.11	56.544		
11,100.00	7,076.81	7,062.49	7,061.62	122.11	30.18	106.71	-1,137.10	963.82	3,837.80	3,771.67	66.13	58.030		
11,200.00	7,077.16	7,063.28	7,062.42	124.85	30.19	107.08	-1,137.11	963.82	3,937.75	3,871.59	66.16	59.514		
11,300.00	7,077.50	7,064.07	7,063.21	127.58	30.19	107.45	-1,137.12	963.82	4,037.71	3,971.51	66.20	60.996		
11,400.00	7,077.85	7,064.86	7,064.00	130.33	30.19	107.81	-1,137.14	963.81	4,137.67	4,071.44	66.23	62.475		
11,500.00	7,078.19	7,065.65	7,064.78	133.08	30.20	108.17	-1,137.15	963.81	4,237.63	4,171.36	66.26	63.951		
11,600.00	7,078.53	7,066.43	7,065.57	135.83	30.20	108.53	-1,137.16	963.80	4,337.59	4,271.29	66.30	65.425		
11,700.00	7,078.88	7,067.22	7,066.35	138.59	30.20	108.89	-1,137.17	963.80	4,437.55	4,371.22	66.34	66.896		
11,800.00	7,079.22	7,067.99	7,067.13	141.35	30.21	109.24	-1,137.18	963.80	4,537.52	4,471.14	66.37	68.364		
11,900.00	7,079.56	7,068.77	7,067.90	144.11	30.21	109.60	-1,137.19	963.79	4,637.48	4,571.07	66.41	69.829		
12,000.00	7,079.91	7,069.55	7,068.68	146.88	30.21	109.95	-1,137.20	963.79	4,737.45	4,671.00	66.45	71.292		
12,100.00	7,080.25	7,070.32	7,069.45	149.66	30.22	110.29	-1,137.22	963.78	4,837.42	4,770.92	66.49	72.752		
12,200.00	7,080.60	7,071.09	7,070.22	152.43	30.22	110.64	-1,137.23	963.78	4,937.39	4,870.85	66.53	74.208		
12,300.00	7,080.94	7,071.86	7,070.99	155.21	30.22	110.98	-1,137.24	963.78	5,037.36	4,970.78	66.58	75.662		
12,400.00	7,081.28	7,072.62	7,071.75	157.99	30.22	111.32	-1,137.25	963.77	5,137.33	5,070.71	66.62	77.112		
12,500.00	7,081.63	7,073.38	7,072.52	160.78	30.23	111.65	-1,137.26	963.77	5,237.30	5,170.63	66.67	78.560		
12,600.00	7,081.97	7,074.15	7,073.28	163.57	30.23	111.99	-1,137.27	963.77	5,337.27	5,270.56	66.71	80.004		
12,700.00	7,082.31	7,074.90	7,074.04	166.36	30.23	112.32	-1,137.28	963.76	5,437.25	5,370.49	66.76	81.445		
12,800.00	7,082.66	7,075.66	7,074.79	169.15	30.24	112.65	-1,137.29	963.76	5,537.22	5,470.42	66.81	82.882		
12,900.00	7,083.00	7,076.41	7,075.55	171.94	30.24	112.98	-1,137.31	963.75	5,637.20	5,570.34	66.86	84.316		
13,000.00	7,083.35	7,077.17	7,076.30	174.74	30.24	113.30	-1,137.32	963.75	5,737.18	5,670.27	66.91	85.747		
13,100.00	7,083.69	7,077.92	7,077.05	177.54	30.25	113.62	-1,137.33	963.75	5,837.15	5,770.19	66.96	87.174		
13,200.00	7,084.03	7,078.66	7,077.80	180.34	30.25	113.94	-1,137.34	963.74	5,937.13	5,870.12	67.01	88.598		
13,300.00	7,084.38	7,079.41	7,078.54	183.14	30.25	114.26	-1,137.35	963.74	6,037.11	5,970.05	67.07	90.019		
13,400.00	7,084.72	7,080.15	7,079.28	185.95	30.26	114.57	-1,137.36	963.74	6,137.09	6,069.97	67.12	91.435		
13,500.00	7,085.06	7,080.89	7,080.03	188.76	30.26	114.89	-1,137.37	963.73	6,237.07	6,169.90	67.17	92.849		
13,600.00	7,085.41	7,081.63	7,080.76	191.56	30.26	115.20	-1,137.38	963.73	6,337.05	6,269.82	67.23	94.258		
13,700.00	7,085.75	7,082.37	7,081.50	194.37	30.27	115.50	-1,137.39	963.73	6,437.03	6,369.74	67.29	95.664		
13,800.00	7,086.09	7,083.10	7,082.23	197.18	30.27	115.81	-1,137.40	963.72	6,537.01	6,469.67	67.35	97.066		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,083.84	7,082.97	200.00	30.27	116.11	-1,137.42	963.72	6,636.99	6,569.59	67.41	98.464		
14,000.00	7,086.78	7,084.57	7,083.70	202.81	30.28	116.41	-1,137.43	963.72	6,736.98	6,669.51	67.47	99.858		
14,100.00	7,087.13	7,085.29	7,084.43	205.63	30.28	116.71	-1,137.44	963.71	6,836.96	6,769.43	67.53	101.249		
14,200.00	7,087.47	7,086.02	7,085.15	208.44	30.28	117.00	-1,137.45	963.71	6,936.94	6,869.35	67.59	102.635		
14,300.00	7,087.81	7,086.74	7,085.88	211.26	30.28	117.30	-1,137.46	963.71	7,036.93	6,969.27	67.65	104.018		
14,400.00	7,088.16	7,087.47	7,086.60	214.08	30.29	117.59	-1,137.47	963.70	7,136.91	7,069.20	67.71	105.397		
14,500.00	7,088.50	7,088.19	7,087.32	216.90	30.29	117.88	-1,137.48	963.70	7,236.89	7,169.11	67.78	106.771		
14,600.00	7,088.84	7,088.90	7,088.04	219.72	30.29	118.16	-1,137.49	963.70	7,336.88	7,269.03	67.85	108.142		
14,700.00	7,089.19	7,089.62	7,088.75	222.54	30.30	118.45	-1,137.50	963.69	7,436.86	7,368.95	67.91	109.508		
14,800.00	7,089.53	7,090.33	7,089.46	225.37	30.30	118.73	-1,137.51	963.69	7,536.85	7,468.87	67.98	110.870		
14,900.00	7,089.88	7,091.05	7,090.18	228.19	30.30	119.01	-1,137.52	963.69	7,636.83	7,568.79	68.05	112.229		
15,000.00	7,090.22	7,091.76	7,090.89	231.02	30.31	119.29	-1,137.53	963.68	7,736.82	7,668.70	68.12	113.583		
15,100.00	7,090.56	7,092.46	7,091.59	233.84	30.31	119.56	-1,137.54	963.68	7,836.81	7,768.62	68.19	114.932		
15,200.00	7,090.91	7,093.17	7,092.30	236.67	30.31	119.83	-1,137.55	963.68	7,936.79	7,868.54	68.26	116.278		
15,227.29	7,091.00	7,093.36	7,092.49	237.44	30.31	119.91	-1,137.56	963.67	7,964.08	7,895.80	68.28	116.644		
15,300.00	7,091.25	7,093.89	7,093.02	239.49	30.32	-126.11	-1,137.57	963.67	8,036.78	7,968.46	68.33	117.618		
15,326.57	7,091.35	7,094.08	7,093.21	240.24	30.32	-111.87	-1,137.57	963.67	8,063.35	7,995.00	68.35	117.972		
15,400.00	7,091.60	7,094.64	7,093.77	242.30	30.32	-112.04	-1,137.58	963.67	8,136.76	8,068.36	68.41	118.949		
15,500.00	7,091.96	7,095.39	7,094.52	245.12	30.32	-112.26	-1,137.59	963.67	8,236.74	8,168.26	68.48	120.276		
15,600.00	7,092.31	7,096.14	7,095.27	247.93	30.32	-112.48	-1,137.60	963.66	8,336.72	8,268.16	68.56	121.599		
15,700.00	7,092.66	7,096.89	7,096.02	250.75	30.33	-112.70	-1,137.61	963.66	8,436.69	8,368.06	68.64	122.917		
15,800.00	7,093.01	7,097.64	7,096.76	253.56	30.33	-112.92	-1,137.62	963.66	8,536.67	8,467.96	68.72	124.231		
15,900.00	7,093.36	7,098.38	7,097.51	256.38	30.33	-113.14	-1,137.63	963.65	8,636.65	8,567.85	68.80	125.540		
16,000.00	7,093.71	7,099.12	7,098.25	259.20	30.34	-113.36	-1,137.64	963.65	8,736.63	8,667.75	68.88	126.845		
16,100.00	7,094.07	7,099.86	7,098.99	262.02	30.34	-113.57	-1,137.65	963.65	8,836.61	8,767.65	68.96	128.146		
16,200.00	7,094.42	7,100.68	7,099.81	264.84	30.34	-113.81	-1,137.67	963.64	8,936.59	8,867.55	69.04	129.442		
16,300.00	7,094.77	7,101.53	7,100.66	267.65	30.35	-114.05	-1,137.68	963.64	9,036.57	8,967.44	69.12	130.733		
16,400.00	7,095.12	7,102.37	7,101.50	270.47	30.35	-114.29	-1,137.69	963.63	9,136.55	9,067.34	69.21	132.020		
16,500.00	7,095.47	7,103.21	7,102.34	273.30	30.35	-114.53	-1,137.70	963.63	9,236.53	9,167.24	69.29	133.302		
16,600.00	7,095.82	7,104.06	7,103.19	276.12	30.36	-114.77	-1,137.72	963.63	9,336.51	9,267.13	69.38	134.580		
16,700.00	7,096.18	7,104.90	7,104.03	278.94	30.36	-115.01	-1,137.73	963.62	9,436.49	9,367.03	69.46	135.853		
16,800.00	7,096.53	7,105.74	7,104.87	281.76	30.37	-115.25	-1,137.74	963.62	9,536.47	9,466.92	69.55	137.121		
16,900.00	7,096.88	7,106.59	7,105.71	284.58	30.37	-115.49	-1,137.76	963.62	9,636.45	9,566.82	69.63	138.385		
17,000.00	7,097.23	7,107.43	7,106.56	287.41	30.37	-115.72	-1,137.77	963.61	9,736.43	9,666.71	69.72	139.645		
17,100.00	7,097.58	7,108.27	7,107.40	290.23	30.38	-115.96	-1,137.78	963.61	9,836.42	9,766.61	69.81	140.899		
17,200.00	7,097.93	7,109.12	7,108.24	293.06	30.38	-116.19	-1,137.79	963.60	9,936.40	9,866.50	69.90	142.149		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	77.23	212.41	936.91	961.39					
100.00	100.00	65.23	65.23	3.28	3.28	77.22	212.47	936.81	960.61	954.04	6.57	146.262		
200.00	200.00	167.82	167.82	3.34	3.32	77.20	212.74	936.35	960.23	953.57	6.66	144.266		
300.00	299.98	267.01	267.01	3.44	3.41	-55.93	212.94	935.79	958.74	951.89	6.85	139.958		
400.00	399.84	363.00	363.00	3.59	3.54	-56.24	213.02	935.52	955.56	948.43	7.14	133.911		
500.00	499.45	456.88	456.88	3.80	3.71	-56.72	213.05	935.77	951.00	943.50	7.51	126.699		
600.00	598.70	547.88	547.87	4.04	3.91	-57.36	212.86	936.73	945.32	937.37	7.95	118.932		
700.00	697.47	639.44	639.41	4.32	4.14	-58.16	212.53	938.64	938.84	930.38	8.46	110.952		
800.00	795.62	734.95	734.88	4.65	4.41	-59.18	212.06	941.18	931.23	922.18	9.05	102.919		
900.00	893.06	831.21	831.11	5.02	4.70	-60.40	211.39	944.01	922.35	912.66	9.70	95.125		
993.00	982.91	921.34	921.19	5.39	4.99	-61.75	210.74	946.83	913.08	902.73	10.35	88.213		
1,000.00	989.65	928.47	928.31	5.42	5.01	-61.86	210.69	947.05	912.34	901.94	10.40	87.693		
1,100.00	1,085.84	1,028.20	1,027.99	5.86	5.35	-63.28	209.69	949.94	901.83	890.67	11.16	80.785		
1,200.00	1,182.03	1,123.07	1,122.81	6.32	5.67	-64.65	208.62	952.77	891.92	879.98	11.94	74.675		
1,300.00	1,278.22	1,219.47	1,219.16	6.79	6.02	-66.08	207.73	955.77	882.77	870.01	12.76	69.187		
1,400.00	1,374.42	1,319.67	1,319.32	7.28	6.39	-67.60	206.72	958.66	873.98	860.37	13.61	64.208		
1,500.00	1,470.61	1,416.20	1,415.81	7.79	6.74	-69.11	206.02	961.17	865.67	851.20	14.47	59.817		
1,600.00	1,566.80	1,512.55	1,512.13	8.30	7.11	-70.65	205.47	963.69	858.09	842.74	15.35	55.905		
1,700.00	1,663.00	1,613.73	1,613.27	8.82	7.49	-72.31	204.93	966.07	850.99	834.73	16.26	52.346		
1,800.00	1,759.19	1,720.15	1,719.68	9.34	7.90	-74.12	204.30	967.46	843.68	826.49	17.19	49.069		
1,900.00	1,855.38	1,820.98	1,820.51	9.87	8.29	-75.88	203.51	967.93	836.33	818.21	18.12	46.152		
2,000.00	1,951.58	1,917.72	1,917.25	10.41	8.67	-77.59	202.60	968.14	829.49	810.44	19.04	43.559		
2,100.00	2,047.77	2,011.86	2,011.39	10.95	9.04	-79.30	201.99	968.40	823.65	803.68	19.96	41.259		
2,200.00	2,143.96	2,112.23	2,111.75	11.49	9.44	-81.15	201.28	968.46	818.44	797.53	20.91	39.143		
2,300.00	2,240.16	2,206.73	2,206.25	12.04	9.82	-82.91	200.57	968.45	814.01	792.17	21.84	37.272		
2,400.00	2,336.35	2,302.26	2,301.78	12.58	10.21	-84.71	199.95	968.55	810.59	787.81	22.78	35.588		
2,500.00	2,432.54	2,394.33	2,393.85	13.13	10.58	-86.46	199.67	968.76	808.36	784.66	23.70	34.103		
2,600.00	2,528.74	2,489.49	2,489.01	13.69	10.96	-88.29	199.74	969.07	807.35	782.71	24.64	32.764		
2,665.25	2,591.51	2,553.13	2,552.65	14.05	11.22	-89.52	199.81	969.27	807.20	781.94	25.26	31.957 CC		
2,700.00	2,624.93	2,587.16	2,586.68	14.24	11.36	-90.17	199.83	969.34	807.24	781.65	25.59	31.547		
2,800.00	2,721.12	2,686.57	2,686.09	14.80	11.77	-92.10	199.76	969.37	807.77	781.23	26.54	30.435 ES		
2,900.00	2,817.32	2,784.97	2,784.49	15.35	12.17	-94.01	199.51	969.08	808.88	781.39	27.49	29.427		
3,000.00	2,913.51	2,886.34	2,885.85	15.91	12.59	-95.96	198.90	968.53	810.51	782.07	28.44	28.496		
3,100.00	3,009.70	2,986.24	2,985.74	16.47	13.00	-97.86	197.60	967.95	812.48	783.09	29.39	27.644		
3,200.00	3,105.90	3,075.86	3,075.35	17.03	13.37	-99.55	196.51	967.49	815.44	785.15	30.29	26.920		
3,300.00	3,202.09	3,171.32	3,170.81	17.59	13.77	-101.34	195.98	967.23	819.94	788.73	31.21	26.270		
3,400.00	3,298.28	3,265.67	3,265.15	18.15	14.16	-103.08	195.29	967.18	825.27	793.14	32.12	25.691		
3,500.00	3,394.48	3,359.27	3,358.76	18.72	14.55	-104.76	194.74	967.63	831.78	798.76	33.03	25.186		
3,600.00	3,490.67	3,451.67	3,451.14	19.28	14.93	-106.35	194.20	968.75	839.41	805.49	33.92	24.750		
3,700.00	3,586.86	3,551.72	3,551.17	19.84	15.35	-107.99	193.61	970.82	848.12	813.27	34.85	24.339		
3,800.00	3,683.06	3,656.73	3,656.14	20.41	15.79	-109.65	191.81	972.84	856.42	820.62	35.80	23.923		
3,900.00	3,779.25	3,750.76	3,750.17	20.97	16.19	-111.18	190.30	973.53	865.05	828.36	36.69	23.579		
4,000.00	3,875.44	3,841.96	3,841.36	21.54	16.57	-112.66	189.54	974.13	875.02	837.46	37.55	23.302		
4,100.00	3,971.64	3,934.98	3,934.38	22.11	16.96	-114.17	189.32	974.27	886.06	847.64	38.42	23.063		
4,200.00	4,067.83	4,030.00	4,029.39	22.67	17.36	-115.68	189.43	974.58	898.15	858.86	39.29	22.858		
4,300.00	4,164.02	4,130.43	4,129.82	23.24	17.78	-117.24	189.28	974.67	910.59	870.39	40.20	22.653		
4,400.00	4,260.22	4,229.37	4,228.77	23.81	18.19	-118.75	188.92	974.46	923.40	882.31	41.09	22.473		
4,500.00	4,356.41	4,330.55	4,329.94	24.37	18.62	-120.27	188.11	973.88	936.34	894.34	41.99	22.298		
4,600.00	4,452.60	4,433.92	4,433.30	24.94	19.06	-121.78	186.84	973.22	949.47	906.57	42.90	22.130		
4,700.00	4,548.79	4,550.37	4,549.70	25.51	19.55	-123.44	183.66	972.01	961.70	917.81	43.89	21.913		
4,800.00	4,644.99	4,665.90	4,665.08	26.08	20.04	-125.05	178.13	970.18	972.42	927.57	44.85	21.681		
4,900.00	4,741.18	4,767.52	4,766.49	26.65	20.47	-126.43	171.89	968.67	982.40	936.66	45.74	21.477		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,837.37	4,862.09	4,860.88	27.21	20.87	-127.64	166.02	967.90	992.92	946.32	46.60	21.307		
5,100.00	4,933.57	4,954.15	4,952.78	27.78	21.26	-128.80	160.64	967.31	1,004.28	956.83	47.45	21.167		
5,200.00	5,029.76	5,041.33	5,039.84	28.35	21.63	-129.88	156.13	966.46	1,016.74	968.48	48.26	21.070		
5,300.00	5,125.95	5,125.83	5,124.27	28.92	21.99	-130.92	152.80	965.69	1,030.83	981.79	49.04	21.020		
5,400.00	5,222.15	5,212.42	5,210.82	29.49	22.36	-131.95	150.23	964.80	1,046.32	996.49	49.83	20.998		
5,500.00	5,318.34	5,294.50	5,292.88	30.06	22.71	-132.92	148.77	963.79	1,063.37	1,012.79	50.57	21.026		
5,600.00	5,414.53	5,385.07	5,383.43	30.63	23.09	-133.97	148.03	962.46	1,081.75	1,030.38	51.37	21.056		
5,700.00	5,510.73	5,469.25	5,467.60	31.20	23.44	-134.93	147.91	960.96	1,101.22	1,049.10	52.12	21.130		
5,800.00	5,606.92	5,553.22	5,551.55	31.77	23.80	-135.86	148.75	959.21	1,122.17	1,069.32	52.85	21.234		
5,900.00	5,703.11	5,649.04	5,647.33	32.34	24.20	-136.90	150.42	957.19	1,144.21	1,090.52	53.68	21.314		
6,000.00	5,799.31	5,763.74	5,762.01	32.91	24.68	-138.07	151.27	955.16	1,165.62	1,110.93	54.69	21.313		
6,100.00	5,895.50	5,871.23	5,869.48	33.48	25.13	-139.12	150.44	953.48	1,185.87	1,130.24	55.63	21.317		
6,200.00	5,991.69	5,970.98	5,969.22	34.05	25.56	-140.04	149.22	952.59	1,205.91	1,149.41	56.51	21.341		
6,300.00	6,087.89	6,063.98	6,062.21	34.62	25.95	-140.86	148.03	951.75	1,226.19	1,168.86	57.33	21.388		
6,400.00	6,184.08	6,157.89	6,156.11	35.19	26.35	-141.66	147.19	951.11	1,247.06	1,188.90	58.16	21.442		
6,500.00	6,280.27	6,255.27	6,253.48	35.77	26.76	-142.46	146.33	950.39	1,268.19	1,209.17	59.02	21.487		
6,535.30	6,314.23	6,290.01	6,288.22	35.97	26.91	-142.74	145.98	950.09	1,275.67	1,216.34	59.33	21.502		
6,550.00	6,328.40	6,304.51	6,302.72	36.05	26.97	-146.56	145.82	949.96	1,278.76	1,219.31	59.46	21.508		
6,600.00	6,377.01	6,351.98	6,350.19	36.31	27.17	-162.95	145.34	949.54	1,288.90	1,229.03	59.87	21.529		
6,650.00	6,426.00	6,400.05	6,398.26	36.54	27.38	175.12	144.90	949.15	1,298.39	1,238.11	60.27	21.542		
6,700.00	6,475.08	6,450.30	6,448.50	36.73	27.59	151.57	144.44	948.78	1,307.11	1,246.41	60.69	21.536		
6,750.00	6,523.94	6,500.37	6,498.56	36.90	27.80	132.51	143.95	948.46	1,314.99	1,253.88	61.11	21.517		
6,800.00	6,572.28	6,547.34	6,545.53	37.05	28.00	119.50	143.50	948.20	1,322.09	1,260.57	61.52	21.491		
6,850.00	6,619.81	6,593.52	6,591.72	37.19	28.20	110.99	143.12	947.96	1,328.49	1,266.56	61.93	21.450		
6,900.00	6,666.23	6,640.62	6,638.81	37.32	28.40	105.42	142.75	947.70	1,334.24	1,271.86	62.38	21.389		
6,950.00	6,711.25	6,686.72	6,684.90	37.46	28.60	101.70	142.35	947.37	1,339.37	1,276.53	62.84	21.313		
7,000.00	6,754.60	6,729.70	6,727.89	37.61	28.78	99.19	141.95	946.98	1,344.04	1,280.73	63.31	21.228		
7,050.00	6,796.01	6,770.27	6,768.45	37.77	28.95	97.49	141.60	946.55	1,348.44	1,284.64	63.80	21.135		
7,100.00	6,835.22	6,809.16	6,807.34	37.94	29.12	96.37	141.29	946.07	1,352.72	1,288.41	64.32	21.031		
7,150.00	6,871.99	6,846.85	6,845.02	38.12	29.28	95.68	140.99	945.54	1,357.03	1,292.16	64.88	20.918		
7,200.00	6,906.10	6,881.97	6,880.14	38.34	29.42	95.25	140.70	945.02	1,361.53	1,296.06	65.46	20.798		
7,250.00	6,937.34	6,913.61	6,911.77	38.57	29.56	94.97	140.42	944.52	1,366.39	1,300.31	66.08	20.678		
7,300.00	6,965.51	6,941.39	6,939.54	38.84	29.68	94.73	140.20	944.11	1,371.82	1,305.10	66.72	20.561		
7,350.00	6,990.44	6,965.97	6,964.12	39.14	29.78	94.49	140.02	943.77	1,377.98	1,310.59	67.39	20.448		
7,400.00	7,011.97	6,987.21	6,985.36	39.47	29.87	94.21	139.88	943.50	1,384.98	1,316.90	68.09	20.342		
7,450.00	7,029.98	7,005.30	7,003.45	39.85	29.95	93.84	139.76	943.29	1,392.95	1,324.14	68.80	20.245		
7,500.00	7,044.34	7,020.39	7,018.54	40.26	30.01	93.35	139.67	943.13	1,401.93	1,332.39	69.54	20.161		
7,550.00	7,054.99	7,031.64	7,029.79	40.72	30.06	92.71	139.59	943.02	1,411.98	1,341.71	70.27	20.094		
7,600.00	7,061.83	7,039.01	7,037.16	41.21	30.09	91.87	139.54	942.95	1,423.09	1,352.11	70.99	20.048		
7,650.00	7,064.85	7,042.50	7,040.65	41.73	30.11	90.85	139.52	942.92	1,435.24	1,363.56	71.68	20.023		
7,661.89	7,065.00	7,042.76	7,040.90	41.86	30.11	90.58	139.52	942.91	1,438.28	1,366.44	71.84	20.021 SF		
7,700.00	7,065.13	7,043.23	7,041.37	42.28	30.11	90.60	139.51	942.91	1,448.56	1,376.21	72.35	20.022		
7,800.00	7,065.47	7,044.46	7,042.60	43.53	30.11	90.65	139.51	942.90	1,479.87	1,406.19	73.67	20.087		
7,900.00	7,065.82	7,045.67	7,043.81	44.94	30.12	90.70	139.50	942.89	1,517.13	1,442.18	74.95	20.242		
8,000.00	7,066.16	7,046.87	7,045.01	46.50	30.13	90.75	139.49	942.88	1,559.93	1,483.78	76.15	20.485		
8,100.00	7,066.50	7,048.05	7,046.20	48.19	30.13	90.80	139.48	942.87	1,607.81	1,530.54	77.26	20.809		
8,200.00	7,066.85	7,049.23	7,047.37	50.00	30.14	90.85	139.47	942.86	1,660.34	1,582.06	78.28	21.210		
8,300.00	7,067.19	7,050.38	7,048.53	51.91	30.14	90.90	139.47	942.85	1,717.09	1,637.89	79.20	21.681		
8,400.00	7,067.54	7,051.53	7,049.68	53.92	30.15	90.95	139.46	942.84	1,777.66	1,697.63	80.02	22.215		
8,500.00	7,067.88	7,052.66	7,050.81	56.01	30.15	90.99	139.45	942.83	1,841.66	1,760.91	80.75	22.806		
8,600.00	7,068.22	7,053.78	7,051.93	58.16	30.15	91.04	139.44	942.82	1,908.77	1,827.37	81.40	23.449		
8,700.00	7,068.57	7,054.89	7,053.03	60.38	30.16	91.08	139.43	942.81	1,978.65	1,896.67	81.97	24.138		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,055.98	7,054.13	62.65	30.16	91.13	139.43	942.80	2,051.03	1,968.55	82.48	24.868		
8,900.00	7,069.25	7,057.07	7,055.21	64.97	30.17	91.17	139.42	942.79	2,125.64	2,042.72	82.92	25.635		
9,000.00	7,069.60	7,058.14	7,056.28	67.34	30.17	91.22	139.41	942.78	2,202.28	2,118.96	83.31	26.434		
9,100.00	7,069.94	7,059.20	7,057.34	69.74	30.18	91.26	139.40	942.78	2,280.72	2,197.06	83.65	27.264		
9,200.00	7,070.28	7,060.25	7,058.39	72.18	30.18	91.31	139.40	942.77	2,360.79	2,276.83	83.95	28.120		
9,300.00	7,070.63	7,061.28	7,059.43	74.65	30.19	91.35	139.39	942.76	2,442.33	2,358.11	84.22	29.000		
9,400.00	7,070.97	7,062.31	7,060.45	77.15	30.19	91.39	139.38	942.75	2,525.19	2,440.74	84.45	29.901		
9,500.00	7,071.32	7,063.32	7,061.47	79.67	30.20	91.43	139.37	942.74	2,609.26	2,524.60	84.66	30.821		
9,600.00	7,071.66	7,064.33	7,062.47	82.22	30.20	91.47	139.37	942.73	2,694.42	2,609.58	84.84	31.759		
9,700.00	7,072.00	7,065.32	7,063.46	84.78	30.20	91.51	139.36	942.73	2,780.56	2,695.56	85.00	32.712		
9,800.00	7,072.35	7,066.30	7,064.45	87.37	30.21	91.55	139.35	942.72	2,867.60	2,782.46	85.14	33.679		
9,900.00	7,072.69	7,067.27	7,065.42	89.97	30.21	91.60	139.34	942.71	2,955.47	2,870.20	85.27	34.659		
10,000.00	7,073.03	7,068.24	7,066.38	92.59	30.22	91.63	139.34	942.71	3,044.08	2,958.69	85.39	35.651		
10,100.00	7,073.38	7,069.19	7,067.33	95.22	30.22	91.67	139.33	942.70	3,133.38	3,047.89	85.49	36.653		
10,200.00	7,073.72	7,070.13	7,068.28	97.86	30.22	91.71	139.32	942.69	3,223.30	3,137.72	85.58	37.665		
10,300.00	7,074.07	7,071.06	7,069.21	100.52	30.23	91.75	139.32	942.68	3,313.80	3,228.14	85.66	38.685		
10,400.00	7,074.41	7,071.99	7,070.13	103.19	30.23	91.79	139.31	942.68	3,404.84	3,319.10	85.73	39.714		
10,500.00	7,074.75	7,072.90	7,071.05	105.87	30.24	91.83	139.30	942.67	3,496.36	3,410.56	85.80	40.749		
10,600.00	7,075.10	7,073.81	7,071.95	108.55	30.24	91.86	139.30	942.66	3,588.34	3,502.47	85.86	41.791		
10,700.00	7,075.44	7,074.70	7,072.85	111.25	30.24	91.90	139.29	942.66	3,680.73	3,594.81	85.92	42.839		
10,800.00	7,075.78	7,075.59	7,073.73	113.96	30.25	91.94	139.28	942.65	3,773.51	3,687.54	85.97	43.893		
10,900.00	7,076.13	7,076.47	7,074.61	116.67	30.25	91.97	139.28	942.65	3,866.65	3,780.63	86.02	44.951		
11,000.00	7,076.47	7,077.34	7,075.48	119.39	30.25	92.01	139.27	942.64	3,960.13	3,874.06	86.06	46.014		
11,100.00	7,076.81	7,078.20	7,076.34	122.11	30.26	92.05	139.26	942.63	4,053.91	3,967.81	86.10	47.081		
11,200.00	7,077.16	7,079.05	7,077.20	124.85	30.26	92.08	139.26	942.63	4,147.99	4,061.85	86.14	48.152		
11,300.00	7,077.50	7,079.89	7,078.04	127.58	30.27	92.12	139.25	942.62	4,242.34	4,156.16	86.18	49.226		
11,400.00	7,077.85	7,080.73	7,078.88	130.33	30.27	92.15	139.25	942.62	4,336.94	4,250.72	86.22	50.304		
11,500.00	7,078.19	7,081.56	7,079.70	133.08	30.27	92.18	139.24	942.61	4,431.78	4,345.53	86.25	51.384		
11,600.00	7,078.53	7,082.38	7,080.52	135.83	30.28	92.22	139.23	942.61	4,526.84	4,440.56	86.28	52.467		
11,700.00	7,078.88	7,083.19	7,081.34	138.59	30.28	92.25	139.23	942.60	4,622.10	4,535.79	86.31	53.552		
11,800.00	7,079.22	7,084.00	7,082.14	141.35	30.28	92.28	139.22	942.59	4,717.57	4,631.23	86.34	54.639		
11,900.00	7,079.56	7,084.79	7,082.94	144.11	30.29	92.32	139.21	942.59	4,813.21	4,726.84	86.37	55.728		
12,000.00	7,079.91	7,085.58	7,083.73	146.88	30.29	92.35	139.21	942.58	4,909.04	4,822.64	86.40	56.818		
12,100.00	7,080.25	7,086.36	7,084.51	149.66	30.29	92.38	139.20	942.58	5,005.02	4,918.59	86.43	57.910		
12,200.00	7,080.60	7,087.14	7,085.28	152.43	30.30	92.41	139.20	942.57	5,101.16	5,014.70	86.45	59.004		
12,300.00	7,080.94	7,087.91	7,086.05	155.21	30.30	92.44	139.19	942.57	5,197.44	5,110.96	86.48	60.098		
12,400.00	7,081.28	7,088.67	7,086.81	157.99	30.30	92.48	139.18	942.56	5,293.86	5,207.35	86.51	61.194		
12,500.00	7,081.63	7,089.42	7,087.56	160.78	30.31	92.51	139.18	942.56	5,390.42	5,303.88	86.54	62.290		
12,600.00	7,081.97	7,090.17	7,088.31	163.57	30.31	92.54	139.17	942.56	5,487.09	5,400.53	86.56	63.387		
12,700.00	7,082.31	7,090.91	7,089.05	166.36	30.31	92.57	139.17	942.55	5,583.88	5,497.29	86.59	64.485		
12,800.00	7,082.66	7,091.64	7,089.78	169.15	30.32	92.60	139.16	942.55	5,680.79	5,594.17	86.62	65.583		
12,900.00	7,083.00	7,092.36	7,090.51	171.94	30.32	92.63	139.16	942.54	5,777.79	5,691.15	86.65	66.681		
13,000.00	7,083.35	7,093.08	7,091.23	174.74	30.32	92.66	139.15	942.54	5,874.90	5,788.23	86.68	67.780		
13,100.00	7,083.69	7,093.80	7,091.94	177.54	30.32	92.69	139.15	942.53	5,972.11	5,885.40	86.70	68.879		
13,200.00	7,084.03	7,094.50	7,092.65	180.34	30.33	92.72	139.14	942.53	6,069.40	5,982.67	86.73	69.978		
13,300.00	7,084.38	7,100.00	7,098.14	183.14	30.35	92.94	139.10	942.50	6,166.79	6,080.01	86.78	71.066		
13,400.00	7,084.72	7,100.00	7,098.14	185.95	30.35	92.94	139.10	942.50	6,264.25	6,177.45	86.80	72.166		
13,500.00	7,085.06	7,100.00	7,098.14	188.76	30.35	92.94	139.10	942.50	6,361.79	6,274.96	86.83	73.265		
13,600.00	7,085.41	7,100.00	7,098.14	191.56	30.35	92.94	139.10	942.50	6,459.41	6,372.55	86.86	74.365		
13,700.00	7,085.75	7,100.00	7,098.14	194.37	30.35	92.94	139.10	942.50	6,557.10	6,470.21	86.89	75.464		
13,800.00	7,086.09	7,100.00	7,098.14	197.18	30.35	92.94	139.10	942.50	6,654.85	6,567.93	86.92	76.563		
13,900.00	7,086.44	7,100.00	7,098.14	200.00	30.35	92.94	139.10	942.50	6,752.68	6,665.73	86.95	77.661		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,100.00	7,098.14	202.81	30.35	92.94	139.10	942.50	6,850.56	6,763.58	86.98	78.759		
14,100.00	7,087.13	7,100.82	7,098.96	205.63	30.35	92.98	139.09	942.49	6,948.51	6,861.49	87.02	79.854		
14,200.00	7,087.47	7,101.72	7,099.86	208.44	30.36	93.01	139.08	942.49	7,046.51	6,959.46	87.05	80.948		
14,300.00	7,087.81	7,102.62	7,100.76	211.26	30.36	93.05	139.08	942.48	7,144.57	7,057.49	87.08	82.042		
14,400.00	7,088.16	7,103.52	7,101.66	214.08	30.37	93.09	139.07	942.48	7,242.68	7,155.56	87.12	83.134		
14,500.00	7,088.50	7,104.42	7,102.56	216.90	30.37	93.12	139.06	942.47	7,340.85	7,253.69	87.16	84.225		
14,600.00	7,088.84	7,105.31	7,103.46	219.72	30.37	93.16	139.06	942.47	7,439.06	7,351.86	87.19	85.316		
14,700.00	7,089.19	7,106.21	7,104.36	222.54	30.38	93.20	139.05	942.46	7,537.32	7,450.08	87.23	86.405		
14,800.00	7,089.53	7,107.11	7,105.26	225.37	30.38	93.24	139.04	942.46	7,635.62	7,548.35	87.27	87.494		
14,900.00	7,089.88	7,108.01	7,106.15	228.19	30.39	93.27	139.03	942.45	7,733.97	7,646.66	87.31	88.581		
15,000.00	7,090.22	7,108.91	7,107.05	231.02	30.39	93.31	139.03	942.45	7,832.36	7,745.01	87.35	89.667		
15,100.00	7,090.56	7,109.81	7,107.95	233.84	30.39	93.35	139.02	942.44	7,930.78	7,843.40	87.39	90.752		
15,200.00	7,090.91	7,110.71	7,108.85	236.67	30.40	93.38	139.01	942.44	8,029.25	7,941.82	87.43	91.836		
15,227.29	7,091.00	7,110.95	7,109.10	237.44	30.40	93.39	139.01	942.44	8,056.13	7,968.69	87.44	92.132		
15,300.00	7,091.25	7,111.62	7,109.76	239.49	30.40	94.03	139.01	942.43	8,127.91	8,040.44	87.47	92.920		
15,326.57	7,091.35	7,111.86	7,110.01	240.24	30.40	94.32	139.00	942.43	8,154.21	8,066.73	87.48	93.208		
15,400.00	7,091.60	7,112.55	7,110.69	242.30	30.40	94.36	139.00	942.43	8,226.96	8,139.44	87.51	94.006		
15,500.00	7,091.96	7,113.48	7,111.63	245.12	30.41	94.41	138.99	942.42	8,326.04	8,238.49	87.56	95.092		
15,600.00	7,092.31	7,114.42	7,112.56	247.93	30.41	94.46	138.98	942.42	8,425.15	8,337.55	87.60	96.176		
15,700.00	7,092.66	7,115.35	7,113.49	250.75	30.42	94.50	138.98	942.41	8,524.29	8,436.64	87.65	97.258		
15,800.00	7,093.01	7,116.29	7,114.43	253.56	30.42	94.55	138.97	942.41	8,623.44	8,535.74	87.69	98.338		
15,900.00	7,093.36	7,117.22	7,115.36	256.38	30.42	94.60	138.96	942.40	8,722.61	8,634.87	87.74	99.417		
16,000.00	7,093.71	7,118.15	7,116.30	259.20	30.43	94.65	138.95	942.40	8,821.79	8,734.01	87.78	100.494		
16,100.00	7,094.07	7,119.09	7,117.23	262.02	30.43	94.70	138.95	942.39	8,921.00	8,833.17	87.83	101.570		
16,200.00	7,094.42	7,120.02	7,118.16	264.84	30.44	94.74	138.94	942.39	9,020.22	8,932.35	87.88	102.643		
16,300.00	7,094.77	7,120.96	7,119.10	267.65	30.44	94.79	138.93	942.38	9,119.47	9,031.54	87.93	103.715		
16,400.00	7,095.12	7,121.89	7,120.03	270.47	30.44	94.84	138.92	942.37	9,218.72	9,130.74	87.98	104.785		
16,500.00	7,095.47	7,122.82	7,120.96	273.30	30.45	94.89	138.92	942.37	9,318.00	9,229.97	88.03	105.853		
16,600.00	7,095.82	7,123.76	7,121.90	276.12	30.45	94.93	138.91	942.36	9,417.28	9,329.20	88.08	106.919		
16,700.00	7,096.18	7,124.69	7,122.83	278.94	30.46	94.98	138.90	942.36	9,516.59	9,428.46	88.13	107.983		
16,800.00	7,096.53	7,125.62	7,123.77	281.76	30.46	95.03	138.90	942.35	9,615.90	9,527.72	88.18	109.045		
16,900.00	7,096.88	7,126.56	7,124.70	284.58	30.46	95.08	138.89	942.35	9,715.24	9,627.00	88.24	110.106		
17,000.00	7,097.23	7,127.49	7,125.63	287.41	30.47	95.13	138.88	942.34	9,814.58	9,726.29	88.29	111.164		
17,100.00	7,097.58	7,128.42	7,126.57	290.23	30.47	95.17	138.87	942.34	9,913.94	9,825.59	88.34	112.220		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	102.62	-355.51	1,588.24	1,628.22					
100.00	100.00	58.78	58.78	3.28	3.28	102.61	-355.41	1,588.16	1,627.45	1,620.88	6.57	247.815		
200.00	200.00	155.22	155.22	3.34	3.31	102.60	-355.00	1,587.84	1,627.04	1,620.39	6.65	244.744		
300.00	299.98	251.03	251.03	3.44	3.39	-30.45	-354.86	1,587.99	1,625.65	1,618.82	6.83	237.960		
400.00	399.84	353.40	353.40	3.59	3.53	-30.59	-354.91	1,588.00	1,621.16	1,614.04	7.12	227.661		
500.00	499.45	444.30	444.30	3.80	3.69	-30.81	-354.80	1,588.10	1,613.75	1,606.27	7.48	215.662		
600.00	598.70	527.49	527.48	4.04	3.86	-31.12	-354.20	1,589.11	1,604.31	1,596.40	7.90	202.989		
700.00	697.47	612.38	612.34	4.32	4.07	-31.53	-353.65	1,590.91	1,592.84	1,584.45	8.39	189.819		
800.00	795.62	696.26	696.19	4.65	4.30	-32.01	-353.18	1,593.45	1,579.37	1,570.44	8.93	176.805		
900.00	893.06	786.79	786.65	5.02	4.57	-32.63	-352.63	1,596.85	1,563.77	1,554.22	9.54	163.865		
993.00	982.91	876.22	876.01	5.39	4.85	-33.33	-352.04	1,600.48	1,547.02	1,536.85	10.17	152.137		
1,000.00	989.65	883.00	882.78	5.42	4.88	-33.37	-352.00	1,600.75	1,545.67	1,535.45	10.22	151.231		
1,100.00	1,085.84	976.81	976.50	5.86	5.19	-33.96	-351.24	1,604.66	1,526.58	1,515.66	10.92	139.782		
1,200.00	1,182.03	1,064.43	1,064.04	6.32	5.50	-34.53	-350.72	1,608.60	1,508.03	1,496.39	11.63	129.611		
1,300.00	1,278.22	1,155.89	1,155.38	6.79	5.82	-35.10	-351.00	1,613.16	1,490.24	1,477.85	12.39	120.299		
1,400.00	1,374.42	1,247.78	1,247.15	7.28	6.17	-35.69	-351.18	1,617.98	1,472.86	1,459.69	13.17	111.871		
1,500.00	1,470.61	1,336.49	1,335.70	7.79	6.50	-36.28	-351.13	1,623.12	1,456.15	1,442.20	13.95	104.356		
1,600.00	1,566.80	1,423.28	1,422.31	8.30	6.84	-36.90	-350.63	1,628.74	1,440.25	1,425.50	14.75	97.624		
1,700.00	1,663.00	1,507.43	1,506.23	8.82	7.18	-37.50	-350.18	1,634.93	1,425.42	1,409.86	15.56	91.618		
1,800.00	1,759.19	1,598.90	1,597.40	9.34	7.56	-38.20	-349.28	1,642.29	1,411.43	1,395.03	16.40	86.048		
1,900.00	1,855.38	1,692.56	1,690.72	9.87	7.95	-38.93	-348.20	1,650.15	1,398.02	1,380.75	17.27	80.963		
2,000.00	1,951.58	1,793.62	1,791.43	10.41	8.38	-39.69	-347.95	1,658.60	1,384.87	1,366.71	18.17	76.227		
2,100.00	2,047.77	1,894.60	1,892.08	10.95	8.80	-40.44	-348.24	1,666.72	1,371.68	1,352.61	19.08	71.903		
2,200.00	2,143.96	2,007.76	2,004.93	11.49	9.27	-41.31	-348.44	1,675.06	1,358.07	1,338.03	20.04	67.776		
2,300.00	2,240.16	2,104.48	2,101.42	12.04	9.67	-42.08	-348.21	1,681.69	1,344.18	1,323.23	20.95	64.166		
2,400.00	2,336.35	2,207.22	2,203.94	12.58	10.09	-42.93	-347.80	1,688.51	1,330.32	1,308.44	21.89	60.779		
2,500.00	2,432.54	2,311.57	2,308.09	13.13	10.52	-43.79	-347.76	1,694.95	1,316.29	1,293.45	22.84	57.634		
2,600.00	2,528.74	2,418.90	2,415.26	13.69	10.96	-44.67	-348.11	1,700.80	1,301.80	1,278.00	23.80	54.689		
2,700.00	2,624.93	2,516.80	2,513.03	14.24	11.36	-45.50	-348.42	1,705.73	1,287.19	1,262.44	24.74	52.020		
2,800.00	2,721.12	2,607.94	2,604.04	14.80	11.73	-46.29	-348.66	1,710.54	1,273.08	1,247.41	25.67	49.595		
2,900.00	2,817.32	2,695.88	2,691.83	15.35	12.09	-47.06	-349.02	1,715.73	1,259.86	1,233.27	26.59	47.382		
3,000.00	2,913.51	2,792.84	2,788.59	15.91	12.50	-47.92	-349.53	1,721.84	1,247.32	1,219.77	27.55	45.283		
3,100.00	3,009.70	2,885.09	2,880.65	16.47	12.89	-48.75	-350.14	1,727.85	1,235.26	1,206.77	28.49	43.358		
3,200.00	3,105.90	2,979.64	2,974.97	17.03	13.29	-49.60	-351.00	1,734.37	1,223.84	1,194.39	29.45	41.561		
3,300.00	3,202.09	3,075.31	3,070.40	17.59	13.69	-50.49	-351.52	1,741.10	1,212.90	1,182.48	30.41	39.881		
3,400.00	3,298.28	3,170.66	3,165.51	18.15	14.10	-51.42	-351.32	1,747.87	1,202.44	1,171.05	31.38	38.314		
3,500.00	3,394.48	3,270.61	3,265.20	18.72	14.52	-52.39	-351.63	1,755.07	1,192.35	1,159.98	32.37	36.831		
3,600.00	3,490.67	3,374.88	3,369.22	19.28	14.96	-53.41	-352.38	1,762.20	1,182.19	1,148.81	33.38	35.414		
3,700.00	3,586.86	3,472.25	3,466.38	19.84	15.38	-54.36	-353.23	1,768.51	1,171.99	1,137.62	34.37	34.098		
3,800.00	3,683.06	3,563.38	3,557.28	20.41	15.76	-55.24	-354.63	1,774.82	1,162.42	1,127.08	35.34	32.891		
3,900.00	3,779.25	3,653.27	3,646.87	20.97	16.15	-56.07	-356.84	1,781.83	1,153.83	1,117.51	36.31	31.776		
4,000.00	3,875.44	3,751.12	3,744.29	21.54	16.58	-56.92	-360.50	1,790.29	1,146.03	1,108.71	37.31	30.713		
4,100.00	3,971.64	3,851.17	3,843.84	22.11	17.01	-57.74	-365.54	1,798.89	1,138.12	1,099.79	38.33	29.694		
4,200.00	4,067.83	3,949.15	3,941.33	22.67	17.44	-58.55	-370.24	1,807.38	1,130.59	1,091.25	39.34	28.739		
4,300.00	4,164.02	4,049.03	4,040.77	23.24	17.88	-59.43	-374.59	1,815.76	1,123.14	1,082.78	40.36	27.829		
4,400.00	4,260.22	4,150.60	4,141.93	23.81	18.32	-60.36	-378.46	1,823.98	1,115.85	1,074.47	41.39	26.962		
4,500.00	4,356.41	4,248.09	4,239.06	24.37	18.74	-61.27	-382.16	1,831.51	1,108.49	1,066.09	42.40	26.143		
4,600.00	4,452.60	4,348.18	4,338.80	24.94	19.18	-62.25	-385.16	1,839.32	1,101.77	1,058.35	43.43	25.371		
4,700.00	4,548.79	4,461.32	4,451.63	25.51	19.66	-63.40	-388.45	1,846.90	1,094.38	1,049.88	44.49	24.596		
4,800.00	4,644.99	4,573.17	4,563.31	26.08	20.13	-64.62	-391.07	1,852.51	1,085.99	1,040.44	45.55	23.841		
4,900.00	4,741.18	4,677.26	4,667.31	26.65	20.56	-65.84	-392.91	1,856.35	1,077.02	1,030.43	46.59	23.119		
5,000.00	4,837.37	4,782.63	4,772.63	27.21	21.00	-67.12	-394.42	1,859.41	1,067.92	1,020.30	47.62	22.425		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,883.78	4,873.75	27.78	21.42	-68.42	-395.37	1,861.38	1,058.67	1,010.02	48.65	21.761		
5,200.00	5,029.76	4,981.81	4,971.77	28.35	21.82	-69.72	-395.95	1,862.87	1,049.72	1,000.04	49.67	21.132		
5,300.00	5,125.95	5,082.03	5,071.98	28.92	22.23	-71.09	-396.30	1,864.03	1,041.14	990.44	50.70	20.535		
5,400.00	5,222.15	5,180.07	5,170.02	29.49	22.64	-72.46	-396.83	1,864.94	1,032.87	981.15	51.72	19.969		
5,500.00	5,318.34	5,282.54	5,272.46	30.06	23.06	-73.85	-398.46	1,866.15	1,024.91	972.17	52.75	19.430		
5,600.00	5,414.53	5,379.33	5,369.22	30.63	23.46	-75.14	-400.82	1,867.34	1,017.14	963.38	53.76	18.919		
5,700.00	5,510.73	5,471.39	5,461.26	31.20	23.85	-76.40	-402.61	1,868.47	1,010.18	955.41	54.77	18.444		
5,800.00	5,606.92	5,566.68	5,556.53	31.77	24.24	-77.76	-403.81	1,869.68	1,004.20	948.42	55.78	18.003		
5,900.00	5,703.11	5,658.96	5,648.81	32.34	24.62	-79.10	-404.68	1,870.80	998.98	942.21	56.78	17.594		
6,000.00	5,799.31	5,751.90	5,741.73	32.91	25.01	-80.46	-405.29	1,872.37	994.95	937.17	57.77	17.221		
6,100.00	5,895.50	5,850.26	5,840.07	33.48	25.42	-81.91	-405.85	1,874.09	991.66	932.88	58.78	16.871		
6,200.00	5,991.69	5,951.20	5,941.00	34.05	25.84	-83.42	-406.44	1,875.36	988.66	928.87	59.79	16.536		
6,300.00	6,087.89	6,047.42	6,037.21	34.62	26.24	-84.91	-406.72	1,875.95	986.06	925.28	60.78	16.224		
6,400.00	6,184.08	6,144.59	6,134.38	35.19	26.65	-86.42	-406.79	1,876.62	984.38	922.62	61.76	15.938		
6,500.00	6,280.27	6,248.41	6,238.21	35.77	27.08	-88.06	-407.02	1,876.69	982.90	920.13	62.76	15.661		
6,535.30	6,314.23	6,285.02	6,274.82	35.97	27.23	-88.64	-407.12	1,876.45	982.37	919.26	63.11	15.566		
6,548.56	6,327.01	6,298.79	6,288.58	36.04	27.29	-91.93	-407.15	1,876.32	982.27	919.03	63.24	15.532 CC		
6,550.00	6,328.40	6,300.29	6,290.08	36.05	27.30	-92.31	-407.15	1,876.31	982.28	919.02	63.26	15.529 ES		
6,600.00	6,377.01	6,350.63	6,340.42	36.31	27.51	-108.32	-407.30	1,875.75	983.77	920.05	63.72	15.439		
6,650.00	6,426.00	6,401.46	6,391.24	36.54	27.72	-130.14	-407.49	1,875.11	988.01	923.85	64.16	15.400 SF		
6,700.00	6,475.08	6,453.38	6,443.16	36.73	27.94	-153.85	-407.75	1,874.34	994.87	930.31	64.56	15.410		
6,750.00	6,523.94	6,505.18	6,494.95	36.90	28.15	-173.31	-408.10	1,873.45	1,004.23	939.29	64.93	15.465		
6,800.00	6,572.28	6,553.37	6,543.13	37.05	28.35	173.05	-408.45	1,872.58	1,016.09	950.80	65.29	15.563		
6,850.00	6,619.81	6,601.18	6,590.93	37.19	28.55	163.69	-408.77	1,871.69	1,030.43	964.80	65.63	15.700		
6,900.00	6,666.23	6,651.43	6,641.17	37.32	28.77	157.02	-409.14	1,870.66	1,047.10	981.13	65.98	15.871		
6,950.00	6,711.25	6,700.44	6,690.16	37.46	28.97	152.01	-409.54	1,869.47	1,065.98	999.66	66.32	16.073		
7,000.00	6,754.60	6,749.29	6,738.99	37.61	29.18	148.05	-409.99	1,868.07	1,086.99	1,020.33	66.66	16.306		
7,050.00	6,796.01	6,796.39	6,786.06	37.77	29.37	144.73	-410.49	1,866.48	1,110.07	1,043.07	67.00	16.568		
7,100.00	6,835.22	6,836.06	6,825.71	37.94	29.54	141.68	-410.92	1,865.04	1,135.27	1,067.95	67.32	16.864		
7,150.00	6,871.99	6,872.98	6,862.60	38.12	29.70	138.78	-411.28	1,863.71	1,162.65	1,095.02	67.63	17.190		
7,200.00	6,906.10	6,908.38	6,897.97	38.34	29.85	135.94	-411.59	1,862.43	1,192.12	1,124.18	67.94	17.547		
7,250.00	6,937.34	6,944.51	6,934.07	38.57	30.00	133.13	-411.91	1,861.06	1,223.50	1,155.26	68.24	17.930		
7,300.00	6,965.51	6,977.61	6,967.15	38.84	30.14	130.15	-412.22	1,859.69	1,256.65	1,188.13	68.52	18.340		
7,350.00	6,990.44	7,007.47	6,996.98	39.14	30.26	126.89	-412.52	1,858.38	1,291.49	1,222.70	68.79	18.775		
7,400.00	7,011.97	7,030.93	7,020.41	39.47	30.36	123.12	-412.73	1,857.31	1,327.90	1,258.87	69.03	19.238		
7,450.00	7,029.98	7,051.61	7,041.07	39.85	30.45	118.91	-412.90	1,856.33	1,365.73	1,296.48	69.25	19.723		
7,500.00	7,044.34	7,068.74	7,058.18	40.26	30.52	114.16	-413.01	1,855.50	1,404.80	1,335.36	69.44	20.230		
7,550.00	7,054.99	7,082.19	7,071.61	40.72	30.58	108.84	-413.10	1,854.83	1,444.90	1,375.29	69.61	20.757		
7,600.00	7,061.83	7,091.83	7,081.24	41.21	30.62	102.96	-413.15	1,854.35	1,485.82	1,416.07	69.75	21.301		
7,650.00	7,064.85	7,097.58	7,086.98	41.73	30.65	96.60	-413.17	1,854.05	1,527.31	1,457.44	69.87	21.860		
7,661.89	7,065.00	7,098.36	7,087.76	41.86	30.65	95.04	-413.18	1,854.01	1,537.23	1,467.34	69.89	21.995		
7,700.00	7,065.13	7,100.52	7,089.92	42.28	30.66	95.18	-413.19	1,853.90	1,569.21	1,499.24	69.96	22.429		
7,800.00	7,065.47	7,106.25	7,095.63	43.53	30.68	95.57	-413.21	1,853.61	1,654.33	1,584.18	70.15	23.584		
7,900.00	7,065.82	7,112.05	7,101.43	44.94	30.71	95.96	-413.24	1,853.31	1,741.01	1,670.69	70.32	24.758		
8,000.00	7,066.16	7,116.83	7,106.20	46.50	30.73	96.28	-413.26	1,853.07	1,829.05	1,758.56	70.49	25.948		
8,100.00	7,066.50	7,122.28	7,111.65	48.19	30.75	96.65	-413.29	1,852.79	1,918.24	1,847.59	70.65	27.152		
8,200.00	7,066.85	7,127.73	7,117.09	50.00	30.77	97.01	-413.31	1,852.51	2,008.43	1,937.63	70.80	28.369		
8,300.00	7,067.19	7,133.18	7,122.53	51.91	30.80	97.38	-413.34	1,852.24	2,099.49	2,028.56	70.94	29.596		
8,400.00	7,067.54	7,138.63	7,127.98	53.92	30.82	97.74	-413.36	1,851.96	2,191.33	2,120.25	71.07	30.832		
8,500.00	7,067.88	7,144.08	7,133.42	56.01	30.85	98.10	-413.39	1,851.68	2,283.83	2,212.63	71.20	32.076		
8,600.00	7,068.22	7,149.53	7,138.86	58.16	30.87	98.47	-413.41	1,851.40	2,376.93	2,305.61	71.32	33.327		
8,700.00	7,068.57	7,154.98	7,144.31	60.38	30.89	98.83	-413.44	1,851.12	2,470.56	2,399.12	71.44	34.584		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,160.43	7,149.75	62.65	30.92	99.19	-413.46	1,850.84	2,564.66	2,493.11	71.55	35.847		
8,900.00	7,069.25	7,165.89	7,155.19	64.97	30.94	99.55	-413.49	1,850.56	2,659.17	2,587.52	71.65	37.113		
9,000.00	7,069.60	7,171.34	7,160.64	67.34	30.96	99.91	-413.52	1,850.29	2,754.07	2,682.32	71.75	38.384		
9,100.00	7,069.94	7,176.79	7,166.08	69.74	30.99	100.27	-413.54	1,850.01	2,849.30	2,777.45	71.85	39.658		
9,200.00	7,070.28	7,182.24	7,171.52	72.18	31.01	100.63	-413.57	1,849.73	2,944.84	2,872.90	71.94	40.935		
9,300.00	7,070.63	7,187.69	7,176.97	74.65	31.03	100.99	-413.59	1,849.45	3,040.65	2,968.62	72.03	42.214		
9,400.00	7,070.97	7,193.14	7,182.41	77.15	31.06	101.35	-413.62	1,849.17	3,136.72	3,064.60	72.12	43.496		
9,500.00	7,071.32	7,198.59	7,187.85	79.67	31.08	101.70	-413.64	1,848.89	3,233.02	3,160.82	72.20	44.779		
9,600.00	7,071.66	7,204.04	7,193.30	82.22	31.10	102.06	-413.67	1,848.61	3,329.52	3,257.24	72.28	46.063		
9,700.00	7,072.00	7,209.49	7,198.74	84.78	31.13	102.41	-413.69	1,848.34	3,426.22	3,353.86	72.36	47.349		
9,800.00	7,072.35	7,214.94	7,204.19	87.37	31.15	102.76	-413.72	1,848.06	3,523.09	3,450.65	72.44	48.635		
9,900.00	7,072.69	7,220.39	7,209.63	89.97	31.17	103.12	-413.74	1,847.78	3,620.13	3,547.61	72.52	49.922		
10,000.00	7,073.03	7,225.84	7,215.07	92.59	31.20	103.47	-413.77	1,847.50	3,717.31	3,644.72	72.59	51.209		
10,100.00	7,073.38	7,231.29	7,220.52	95.22	31.22	103.82	-413.79	1,847.22	3,814.64	3,741.97	72.66	52.497		
10,200.00	7,073.72	7,236.74	7,225.96	97.86	31.24	104.17	-413.82	1,846.94	3,912.08	3,839.35	72.74	53.784		
10,300.00	7,074.07	7,242.20	7,231.40	100.52	31.27	104.52	-413.84	1,846.66	4,009.65	3,936.84	72.81	55.071		
10,400.00	7,074.41	7,247.65	7,236.85	103.19	31.29	104.86	-413.87	1,846.39	4,107.33	4,034.45	72.88	56.358		
10,500.00	7,074.75	7,253.10	7,242.29	105.87	31.31	105.21	-413.89	1,846.11	4,205.11	4,132.16	72.95	57.645		
10,600.00	7,075.10	7,258.55	7,247.73	108.55	31.34	105.56	-413.92	1,845.83	4,302.99	4,229.97	73.02	58.931		
10,700.00	7,075.44	7,264.00	7,253.18	111.25	31.36	105.90	-413.94	1,845.55	4,400.95	4,327.86	73.09	60.216		
10,800.00	7,075.78	7,269.45	7,258.62	113.96	31.38	106.24	-413.97	1,845.27	4,499.00	4,425.84	73.15	61.500		
10,900.00	7,076.13	7,274.90	7,264.06	116.67	31.41	106.58	-413.99	1,844.99	4,597.12	4,523.90	73.22	62.783		
11,000.00	7,076.47	7,280.35	7,269.51	119.39	31.43	106.93	-414.02	1,844.72	4,695.32	4,622.03	73.29	64.065		
11,100.00	7,076.81	7,285.80	7,274.95	122.11	31.46	107.26	-414.04	1,844.44	4,793.58	4,720.23	73.36	65.346		
11,200.00	7,077.16	7,291.25	7,280.39	124.85	31.48	107.60	-414.07	1,844.16	4,891.91	4,818.49	73.42	66.625		
11,300.00	7,077.50	7,296.70	7,285.84	127.58	31.50	107.94	-414.09	1,843.88	4,990.30	4,916.81	73.49	67.903		
11,400.00	7,077.85	7,302.15	7,291.28	130.33	31.53	108.27	-414.12	1,843.60	5,088.75	5,015.19	73.56	69.180		
11,500.00	7,078.19	7,307.60	7,296.73	133.08	31.55	108.61	-414.14	1,843.32	5,187.25	5,113.63	73.63	70.455		
11,600.00	7,078.53	7,313.05	7,302.17	135.83	31.57	108.94	-414.17	1,843.04	5,285.80	5,212.11	73.69	71.728		
11,700.00	7,078.88	7,318.51	7,307.61	138.59	31.60	109.27	-414.19	1,842.77	5,384.40	5,310.64	73.76	73.000		
11,800.00	7,079.22	7,323.96	7,313.06	141.35	31.62	109.60	-414.22	1,842.49	5,483.05	5,409.22	73.83	74.269		
11,900.00	7,079.56	7,329.41	7,318.50	144.11	31.64	109.93	-414.24	1,842.21	5,581.73	5,507.84	73.89	75.537		
12,000.00	7,079.91	7,334.86	7,323.94	146.88	31.67	110.26	-414.27	1,841.93	5,680.46	5,606.50	73.96	76.803		
12,100.00	7,080.25	7,340.31	7,329.39	149.66	31.69	110.59	-414.29	1,841.65	5,779.23	5,705.20	74.03	78.067		
12,200.00	7,080.60	7,345.76	7,334.83	152.43	31.71	110.91	-414.32	1,841.37	5,878.03	5,803.93	74.10	79.328		
12,300.00	7,080.94	7,351.21	7,340.27	155.21	31.74	111.24	-414.34	1,841.09	5,976.87	5,902.70	74.17	80.588		
12,400.00	7,081.28	7,356.66	7,345.72	157.99	31.76	111.56	-414.37	1,840.82	6,075.74	6,001.51	74.23	81.845		
12,500.00	7,081.63	7,362.11	7,351.16	160.78	31.78	111.88	-414.39	1,840.54	6,174.65	6,100.34	74.30	83.100		
12,600.00	7,081.97	7,367.56	7,356.60	163.57	31.81	112.20	-414.42	1,840.26	6,273.58	6,199.20	74.37	84.352		
12,700.00	7,082.31	7,373.01	7,362.05	166.36	31.83	112.52	-414.45	1,839.98	6,372.54	6,298.10	74.44	85.602		
12,800.00	7,082.66	7,378.46	7,367.49	169.15	31.85	112.83	-414.47	1,839.70	6,471.53	6,397.02	74.51	86.850		
12,900.00	7,083.00	7,383.91	7,372.94	171.94	31.88	113.15	-414.50	1,839.42	6,570.54	6,495.96	74.58	88.095		
13,000.00	7,083.35	7,389.36	7,378.38	174.74	31.90	113.46	-414.52	1,839.14	6,669.58	6,594.93	74.66	89.338		
13,100.00	7,083.69	7,394.82	7,383.82	177.54	31.92	113.77	-414.55	1,838.87	6,768.65	6,693.92	74.73	90.578		
13,200.00	7,084.03	7,400.27	7,389.27	180.34	31.95	114.08	-414.57	1,838.59	6,867.73	6,792.94	74.80	91.815		
13,300.00	7,084.38	7,405.72	7,394.71	183.14	31.97	114.39	-414.60	1,838.31	6,966.84	6,891.97	74.87	93.050		
13,400.00	7,084.72	7,411.17	7,400.15	185.95	31.99	114.70	-414.62	1,838.03	7,065.97	6,991.03	74.95	94.282		
13,500.00	7,085.06	7,416.62	7,405.60	188.76	31.87	113.10	-414.49	1,839.47	7,165.20	7,090.26	74.94	95.611		
13,600.00	7,085.41	7,422.07	7,411.05	191.56	31.87	113.10	-414.49	1,839.47	7,264.40	7,189.39	75.00	96.856		
13,700.00	7,085.75	7,427.52	7,416.50	194.37	31.87	113.10	-414.49	1,839.47	7,363.61	7,288.55	75.06	98.099		
13,800.00	7,086.09	7,432.97	7,421.95	197.18	31.87	113.10	-414.49	1,839.47	7,462.85	7,387.73	75.13	99.339		
13,900.00	7,086.44	7,438.42	7,427.40	200.00	31.87	113.10	-414.49	1,839.47	7,562.11	7,486.92	75.19	100.577		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,000.00	7,086.78	7,383.00	7,372.02	202.81	31.87	113.10	-414.49	1,839.47	7,661.39	7,586.14	75.25	101.813		
14,100.00	7,087.13	7,383.00	7,372.02	205.63	31.87	113.10	-414.49	1,839.47	7,760.68	7,685.37	75.31	103.046		
14,200.00	7,087.47	7,383.00	7,372.02	208.44	31.87	113.10	-414.49	1,839.47	7,859.99	7,784.62	75.38	104.277		
14,300.00	7,087.81	7,383.00	7,372.02	211.26	31.87	113.10	-414.49	1,839.47	7,959.32	7,883.88	75.44	105.505		
14,400.00	7,088.16	7,383.00	7,372.02	214.08	31.87	113.10	-414.49	1,839.47	8,058.67	7,983.17	75.50	106.731		
14,500.00	7,088.50	7,383.00	7,372.02	216.90	31.87	113.10	-414.49	1,839.47	8,158.04	8,082.47	75.57	107.954		
14,600.00	7,088.84	7,383.00	7,372.02	219.72	31.87	113.10	-414.49	1,839.47	8,257.41	8,181.78	75.63	109.175		
14,700.00	7,089.19	7,383.00	7,372.02	222.54	31.87	113.10	-414.49	1,839.47	8,356.81	8,281.11	75.70	110.393		
14,800.00	7,089.53	7,383.00	7,372.02	225.37	31.87	113.10	-414.49	1,839.47	8,456.21	8,380.45	75.77	111.608		
14,900.00	7,089.88	7,383.00	7,372.02	228.19	31.87	113.10	-414.49	1,839.47	8,555.64	8,479.80	75.83	112.821		
15,000.00	7,090.22	7,383.00	7,372.02	231.02	31.87	113.10	-414.49	1,839.47	8,655.07	8,579.17	75.90	114.031		
15,100.00	7,090.56	7,383.00	7,372.02	233.84	31.87	113.10	-414.49	1,839.47	8,754.52	8,678.55	75.97	115.238		
15,200.00	7,090.91	7,383.00	7,372.02	236.67	31.87	113.10	-414.49	1,839.47	8,853.98	8,777.94	76.04	116.443		
15,227.29	7,091.00	7,383.00	7,372.02	237.44	31.87	113.10	-414.49	1,839.47	8,881.12	8,805.07	76.06	116.771		
15,300.00	7,091.25	7,383.00	7,372.02	239.49	31.87	120.27	-414.49	1,839.47	8,953.53	8,877.42	76.11	117.647		
15,326.57	7,091.35	7,383.00	7,372.02	240.24	31.87	124.02	-414.49	1,839.47	8,980.02	8,903.90	76.12	117.967		
15,400.00	7,091.60	7,383.00	7,372.02	242.30	31.87	124.02	-414.49	1,839.47	9,053.27	8,977.09	76.17	118.852		
15,500.00	7,091.96	7,383.00	7,372.02	245.12	31.87	124.02	-414.49	1,839.47	9,153.02	9,076.78	76.24	120.056		
15,600.00	7,092.31	7,383.00	7,372.02	247.93	31.87	124.02	-414.49	1,839.47	9,252.77	9,176.47	76.31	121.256		
15,700.00	7,092.66	7,383.00	7,372.02	250.75	31.87	124.02	-414.49	1,839.47	9,352.54	9,276.16	76.38	122.453		
15,800.00	7,093.01	7,383.00	7,372.02	253.56	31.87	124.02	-414.49	1,839.47	9,452.30	9,375.86	76.45	123.648		
15,900.00	7,093.36	7,383.00	7,372.02	256.38	31.87	124.02	-414.49	1,839.47	9,552.07	9,475.56	76.52	124.839		
16,000.00	7,093.71	7,383.00	7,372.02	259.20	31.87	124.02	-414.49	1,839.47	9,651.85	9,575.27	76.59	126.027		
16,100.00	7,094.07	7,383.00	7,372.02	262.02	31.87	124.02	-414.49	1,839.47	9,751.63	9,674.97	76.66	127.212		
16,200.00	7,094.42	7,383.00	7,372.02	264.84	31.87	124.02	-414.49	1,839.47	9,851.42	9,774.69	76.73	128.394		
16,300.00	7,094.77	7,383.00	7,372.02	267.65	31.87	124.02	-414.49	1,839.47	9,951.21	9,874.41	76.80	129.572		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-162.68	-3,307.15	-1,031.33	3,464.31					
100.00	100.00	75.00	75.00	3.28	3.53	-162.68	-3,307.15	-1,031.33	3,464.22	3,457.41	6.82	508.225		
200.00	200.00	175.00	175.00	3.34	5.46	-162.68	-3,307.15	-1,031.33	3,464.22	3,455.43	8.80	393.839		
300.00	299.98	274.98	274.98	3.44	8.51	64.36	-3,307.15	-1,031.33	3,463.47	3,451.52	11.95	289.781		
400.00	399.84	374.84	374.84	3.59	11.80	64.48	-3,307.15	-1,031.33	3,461.21	3,445.81	15.40	224.795		
500.00	499.45	474.45	474.45	3.80	15.18	64.68	-3,307.15	-1,031.33	3,457.45	3,438.48	18.97	182.274		
600.00	598.70	573.70	573.70	4.04	18.57	64.95	-3,307.15	-1,031.33	3,452.23	3,429.62	22.61	152.684		
700.00	697.47	672.47	672.47	4.32	21.98	65.31	-3,307.15	-1,031.33	3,445.59	3,419.29	26.30	131.029		
800.00	795.62	770.62	770.62	4.65	25.37	65.74	-3,307.15	-1,031.33	3,437.56	3,407.55	30.01	114.541		
900.00	893.06	868.06	868.06	5.02	28.75	66.25	-3,307.15	-1,031.33	3,428.21	3,394.46	33.75	101.588		
993.00	982.91	957.91	957.91	5.39	31.86	66.78	-3,307.15	-1,031.33	3,418.38	3,381.15	37.23	91.817		
1,000.00	989.65	964.65	964.65	5.42	32.10	66.81	-3,307.15	-1,031.33	3,417.60	3,380.11	37.49	91.152		
1,100.00	1,085.84	1,060.84	1,060.84	5.86	35.44	67.22	-3,307.15	-1,031.33	3,406.57	3,365.32	41.26	82.566		
1,200.00	1,182.03	1,157.03	1,157.03	6.32	38.79	67.63	-3,307.15	-1,031.33	3,395.73	3,350.69	45.05	75.380		
1,300.00	1,278.22	1,253.22	1,253.22	6.79	42.13	68.05	-3,307.15	-1,031.33	3,385.08	3,336.22	48.86	69.285		
1,400.00	1,374.42	1,349.42	1,349.42	7.28	45.48	68.46	-3,307.15	-1,031.33	3,374.61	3,321.93	52.68	64.055		
1,500.00	1,470.61	1,445.61	1,445.61	7.79	48.83	68.88	-3,307.15	-1,031.33	3,364.33	3,307.81	56.52	59.522		
1,600.00	1,566.80	1,541.80	1,541.80	8.30	52.18	69.30	-3,307.15	-1,031.33	3,354.24	3,293.87	60.37	55.559		
1,700.00	1,663.00	1,638.00	1,638.00	8.82	55.53	69.73	-3,307.15	-1,031.33	3,344.35	3,280.12	64.23	52.067		
1,800.00	1,759.19	1,734.19	1,734.19	9.34	58.89	70.15	-3,307.15	-1,031.33	3,334.65	3,266.55	68.10	48.967		
1,900.00	1,855.38	1,830.38	1,830.38	9.87	62.24	70.58	-3,307.15	-1,031.33	3,325.15	3,253.17	71.97	46.199		
2,000.00	1,951.58	1,926.58	1,926.58	10.41	65.59	71.01	-3,307.15	-1,031.33	3,315.84	3,239.99	75.85	43.713		
2,100.00	2,047.77	2,022.77	2,022.77	10.95	68.95	71.44	-3,307.15	-1,031.33	3,306.74	3,227.00	79.74	41.469		
2,200.00	2,143.96	2,118.96	2,118.96	11.49	72.30	71.88	-3,307.15	-1,031.33	3,297.83	3,214.20	83.63	39.433		
2,300.00	2,240.16	2,215.16	2,215.16	12.04	75.66	72.31	-3,307.15	-1,031.33	3,289.13	3,201.61	87.53	37.579		
2,400.00	2,336.35	2,311.35	2,311.35	12.58	79.01	72.75	-3,307.15	-1,031.33	3,280.63	3,189.21	91.42	35.884		
2,500.00	2,432.54	2,407.54	2,407.54	13.13	82.37	73.19	-3,307.15	-1,031.33	3,272.34	3,177.02	95.33	34.328		
2,600.00	2,528.74	2,503.74	2,503.74	13.69	85.72	73.64	-3,307.15	-1,031.33	3,264.26	3,165.03	99.23	32.896		
2,700.00	2,624.93	2,600.07	2,599.93	14.24	89.08	74.08	-3,307.15	-1,031.33	3,256.39	3,153.25	103.14	31.572		
2,800.00	2,721.12	2,703.88	2,696.12	14.80	92.71	74.53	-3,307.15	-1,031.33	3,248.72	3,141.41	107.32	30.272		
2,900.00	2,817.32	2,807.68	2,792.32	15.35	96.33	74.98	-3,307.15	-1,031.33	3,241.27	3,129.78	111.49	29.071		
3,000.00	2,913.51	2,888.51	2,888.51	15.91	99.15	75.43	-3,307.15	-1,031.33	3,234.04	3,119.16	114.87	28.153		
3,100.00	3,009.70	2,984.70	2,984.70	16.47	102.50	75.88	-3,307.15	-1,031.33	3,227.02	3,108.23	118.79	27.166		
3,200.00	3,105.90	3,080.90	3,080.90	17.03	105.86	76.34	-3,307.15	-1,031.33	3,220.21	3,097.51	122.71	26.243		
3,300.00	3,202.09	3,177.09	3,177.09	17.59	109.22	76.79	-3,307.15	-1,031.33	3,213.62	3,087.00	126.63	25.379		
3,400.00	3,298.28	3,273.28	3,273.28	18.15	112.57	77.25	-3,307.15	-1,031.33	3,207.26	3,076.71	130.55	24.568		
3,500.00	3,394.48	3,369.48	3,369.48	18.72	115.93	77.71	-3,307.15	-1,031.33	3,201.11	3,066.64	134.47	23.805		
3,600.00	3,490.67	3,465.67	3,465.67	19.28	119.29	78.17	-3,307.15	-1,031.33	3,195.19	3,056.79	138.39	23.088		
3,700.00	3,586.86	3,561.86	3,561.86	19.84	122.64	78.64	-3,307.15	-1,031.33	3,189.48	3,047.17	142.32	22.411		
3,800.00	3,683.06	3,658.06	3,658.06	20.41	126.00	79.10	-3,307.15	-1,031.33	3,184.01	3,037.76	146.24	21.772		
3,900.00	3,779.25	3,754.25	3,754.25	20.97	129.36	79.57	-3,307.15	-1,031.33	3,178.76	3,028.58	150.17	21.168		
4,000.00	3,875.44	3,850.44	3,850.44	21.54	132.71	80.03	-3,307.15	-1,031.33	3,173.73	3,019.63	154.10	20.595		
4,100.00	3,971.64	3,946.64	3,946.64	22.11	136.07	80.50	-3,307.15	-1,031.33	3,168.93	3,010.90	158.03	20.053		
4,200.00	4,067.83	4,042.83	4,042.83	22.67	139.43	80.97	-3,307.15	-1,031.33	3,164.36	3,002.41	161.96	19.538		
4,300.00	4,164.02	4,139.02	4,139.02	23.24	142.79	81.44	-3,307.15	-1,031.33	3,160.03	2,994.14	165.89	19.049		
4,400.00	4,260.22	4,235.22	4,235.22	23.81	146.14	81.91	-3,307.15	-1,031.33	3,155.92	2,986.10	169.82	18.584		
4,500.00	4,356.41	4,331.41	4,331.41	24.37	149.50	82.39	-3,307.15	-1,031.33	3,152.04	2,978.29	173.75	18.141		
4,600.00	4,452.60	4,427.60	4,427.60	24.94	152.86	82.86	-3,307.15	-1,031.33	3,148.40	2,970.71	177.68	17.719		
4,700.00	4,548.79	4,523.79	4,523.79	25.51	156.21	83.34	-3,307.15	-1,031.33	3,144.99	2,963.37	181.62	17.317		
4,800.00	4,644.99	4,619.99	4,619.99	26.08	159.57	83.81	-3,307.15	-1,031.33	3,141.81	2,956.26	185.55	16.933		
4,900.00	4,741.18	4,716.18	4,716.18	26.65	162.93	84.29	-3,307.15	-1,031.33	3,138.87	2,949.38	189.48	16.566		
5,000.00	4,837.37	4,812.37	4,812.37	27.21	166.29	84.77	-3,307.15	-1,031.33	3,136.16	2,942.74	193.42	16.215		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,908.57	4,908.57	27.78	169.64	85.25	-3,307.15	-1,031.33	3,133.69	2,936.34	197.35	15.879		
5,200.00	5,029.76	5,004.76	5,004.76	28.35	173.00	85.73	-3,307.15	-1,031.33	3,131.45	2,930.17	201.28	15.557		
5,300.00	5,125.95	5,100.95	5,100.95	28.92	176.36	86.21	-3,307.15	-1,031.33	3,129.46	2,924.24	205.22	15.249		
5,400.00	5,222.15	5,202.85	5,197.15	29.49	179.92	86.69	-3,307.15	-1,031.33	3,127.70	2,918.35	209.35	14.940		
5,500.00	5,318.34	5,306.66	5,293.34	30.06	183.54	87.17	-3,307.15	-1,031.33	3,126.18	2,912.63	213.55	14.639		
5,600.00	5,414.53	5,389.53	5,389.53	30.63	186.43	87.65	-3,307.15	-1,031.33	3,124.89	2,907.87	217.02	14.399		
5,700.00	5,510.73	5,485.73	5,485.73	31.20	189.79	88.13	-3,307.15	-1,031.33	3,123.85	2,902.90	220.95	14.138		
5,800.00	5,606.92	5,581.92	5,581.92	31.77	193.15	88.62	-3,307.15	-1,031.33	3,123.04	2,898.16	224.89	13.887		
5,900.00	5,703.11	5,678.11	5,678.11	32.34	196.51	89.10	-3,307.15	-1,031.33	3,122.48	2,893.66	228.82	13.646		
6,000.00	5,799.31	5,774.31	5,774.31	32.91	199.86	89.58	-3,307.15	-1,031.33	3,122.15	2,889.39	232.75	13.414		
6,087.07	5,883.07	5,858.07	5,858.07	33.41	202.79	90.00	-3,307.15	-1,031.33	3,122.06	2,885.88	236.18	13.219		
6,100.00	5,895.50	5,870.50	5,870.50	33.48	203.22	90.06	-3,307.15	-1,031.33	3,122.06	2,885.37	236.69	13.191		
6,200.00	5,991.69	5,966.69	5,966.69	34.05	206.58	90.54	-3,307.15	-1,031.33	3,122.21	2,881.59	240.62	12.976		
6,300.00	6,087.89	6,062.89	6,062.89	34.62	209.94	91.03	-3,307.15	-1,031.33	3,122.60	2,878.05	244.55	12.769		
6,400.00	6,184.08	6,159.08	6,159.08	35.19	213.29	91.51	-3,307.15	-1,031.33	3,123.23	2,874.75	248.48	12.569		
6,500.00	6,280.27	6,255.27	6,255.27	35.77	216.65	91.99	-3,307.15	-1,031.33	3,124.10	2,871.68	252.41	12.377		
6,535.30	6,314.23	6,289.23	6,289.23	35.97	217.84	92.16	-3,307.15	-1,031.33	3,124.46	2,870.66	253.80	12.311		
6,550.00	6,328.40	6,303.40	6,303.40	36.05	218.33	92.16	-3,307.15	-1,031.33	3,124.50	2,870.12	254.38	12.283		
6,600.00	6,377.01	6,352.01	6,352.01	36.31	220.03	92.68	-3,307.15	-1,031.33	3,122.83	2,866.49	256.34	12.183		
6,650.00	6,426.00	6,401.00	6,401.00	36.54	221.74	92.68	-3,307.15	-1,031.33	3,118.37	2,860.10	258.28	12.074		
6,700.00	6,475.08	6,450.08	6,450.08	36.73	223.45	92.68	-3,307.15	-1,031.33	3,111.13	2,850.95	260.18	11.957		
6,750.00	6,523.94	6,501.06	6,498.94	36.90	225.23	10.12	-3,307.15	-1,031.33	3,101.13	2,839.00	262.13	11.831		
6,800.00	6,572.28	6,547.28	6,547.28	37.05	226.84	-3.50	-3,307.15	-1,031.33	3,088.43	2,824.54	263.89	11.703		
6,850.00	6,619.81	6,605.19	6,594.81	37.19	228.87	-13.09	-3,307.15	-1,031.33	3,073.10	2,807.05	266.05	11.551		
6,900.00	6,666.23	6,641.23	6,641.23	37.32	230.12	-20.23	-3,307.15	-1,031.33	3,055.25	2,787.80	267.45	11.424		
6,950.00	6,711.25	6,686.25	6,686.25	37.46	231.70	-25.98	-3,307.15	-1,031.33	3,034.99	2,765.83	269.16	11.276		
7,000.00	6,754.60	6,729.60	6,729.60	37.61	233.21	-30.95	-3,307.15	-1,031.33	3,012.48	2,741.66	270.82	11.124		
7,050.00	6,796.01	6,771.01	6,771.01	37.77	234.65	-35.52	-3,307.15	-1,031.33	2,987.88	2,715.46	272.42	10.968		
7,100.00	6,835.22	6,810.22	6,810.22	37.94	236.02	-39.92	-3,307.15	-1,031.33	2,961.37	2,687.42	273.95	10.810		
7,150.00	6,871.99	6,846.99	6,846.99	38.12	237.31	-44.29	-3,307.15	-1,031.33	2,933.18	2,657.77	275.41	10.650		
7,200.00	6,906.10	6,881.10	6,881.10	38.34	238.50	-48.74	-3,307.15	-1,031.33	2,903.52	2,626.71	276.80	10.489		
7,250.00	6,937.34	6,912.34	6,912.34	38.57	239.59	-53.30	-3,307.15	-1,031.33	2,872.62	2,594.51	278.11	10.329		
7,300.00	6,965.51	6,940.51	6,940.51	38.84	240.57	-57.97	-3,307.15	-1,031.33	2,840.75	2,561.41	279.34	10.170		
7,350.00	6,990.44	6,965.44	6,965.44	39.14	241.44	-62.74	-3,307.15	-1,031.33	2,808.16	2,527.69	280.48	10.012		
7,400.00	7,011.97	6,986.97	6,986.97	39.47	242.19	-67.53	-3,307.15	-1,031.33	2,775.12	2,493.60	281.53	9.857		
7,450.00	7,029.98	7,004.98	7,004.98	39.85	242.82	-72.28	-3,307.15	-1,031.33	2,741.91	2,459.43	282.48	9.706		
7,500.00	7,044.34	7,019.34	7,019.34	40.26	243.32	-76.88	-3,307.15	-1,031.33	2,708.79	2,425.44	283.34	9.560		
7,550.00	7,054.99	7,029.99	7,029.99	40.72	243.69	-81.26	-3,307.15	-1,031.33	2,676.04	2,391.93	284.11	9.419		
7,600.00	7,061.83	7,036.83	7,036.83	41.21	243.93	-85.33	-3,307.15	-1,031.33	2,643.92	2,359.15	284.77	9.284		
7,650.00	7,064.85	7,039.85	7,039.85	41.73	244.04	-89.03	-3,307.15	-1,031.33	2,612.69	2,327.35	285.33	9.157		
7,661.89	7,065.00	7,040.00	7,040.00	41.86	244.04	-89.85	-3,307.15	-1,031.33	2,605.42	2,319.97	285.45	9.127		
7,700.00	7,065.13	7,040.13	7,040.13	42.28	244.05	-89.85	-3,307.15	-1,031.33	2,582.40	2,296.57	285.83	9.035		
7,800.00	7,065.47	7,040.47	7,040.47	43.53	244.06	-89.86	-3,307.15	-1,031.33	2,523.74	2,236.79	286.95	8.795		
7,900.00	7,065.82	7,040.82	7,040.82	44.94	244.07	-89.87	-3,307.15	-1,031.33	2,467.74	2,179.49	288.24	8.561		
8,000.00	7,066.16	7,041.16	7,041.16	46.50	244.08	-89.88	-3,307.15	-1,031.33	2,414.58	2,124.87	289.71	8.334		
8,100.00	7,066.50	7,041.50	7,041.50	48.19	244.10	-89.89	-3,307.15	-1,031.33	2,364.46	2,073.11	291.35	8.116		
8,200.00	7,066.85	7,041.85	7,041.85	50.00	244.11	-89.90	-3,307.15	-1,031.33	2,317.57	2,024.42	293.15	7.906		
8,300.00	7,067.19	7,042.19	7,042.19	51.91	244.12	-89.91	-3,307.15	-1,031.33	2,274.12	1,979.01	295.10	7.706		
8,400.00	7,067.54	7,042.54	7,042.54	53.92	244.13	-89.92	-3,307.15	-1,031.33	2,234.30	1,937.10	297.20	7.518		
8,500.00	7,067.88	7,042.88	7,042.88	56.01	244.14	-89.93	-3,307.15	-1,031.33	2,198.31	1,898.89	299.42	7.342		
8,600.00	7,068.22	7,043.22	7,043.22	58.16	244.16	-89.94	-3,307.15	-1,031.33	2,166.34	1,864.60	301.74	7.180		
8,700.00	7,068.57	7,043.57	7,043.57	60.38	244.17	-89.95	-3,307.15	-1,031.33	2,138.57	1,834.44	304.13	7.032		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,068.91	7,043.91	7,043.91	62.65	244.18	-89.96	-3,307.15	-1,031.33	2,115.18	1,808.59	306.58	6.899		
8,900.00	7,069.25	7,044.25	7,044.25	64.97	244.19	-89.97	-3,307.15	-1,031.33	2,096.29	1,787.24	309.05	6.783		
9,000.00	7,069.60	7,044.60	7,044.60	67.34	244.20	-89.98	-3,307.15	-1,031.33	2,082.04	1,770.52	311.52	6.683		
9,100.00	7,069.94	7,044.94	7,044.94	69.74	244.22	-89.99	-3,307.15	-1,031.33	2,072.53	1,758.57	313.95	6.601		
9,200.00	7,070.28	7,045.28	7,045.28	72.18	244.23	-90.00	-3,307.15	-1,031.33	2,067.81	1,751.48	316.33	6.537		
9,247.66	7,070.45	7,045.45	7,045.45	73.36	244.23	-90.00	-3,307.15	-1,031.33	2,067.26	1,749.83	317.43	6.512 CC		
9,300.00	7,070.63	7,045.63	7,045.63	74.65	244.24	-90.00	-3,307.15	-1,031.33	2,067.92	1,749.31	318.61	6.490 ES		
9,400.00	7,070.97	7,045.97	7,045.97	77.15	244.25	-90.01	-3,307.15	-1,031.33	2,072.87	1,752.08	320.79	6.462		
9,500.00	7,071.32	7,046.32	7,046.32	79.67	244.26	-90.02	-3,307.15	-1,031.33	2,082.61	1,759.77	322.84	6.451 SF		
9,600.00	7,071.66	7,046.66	7,046.66	82.22	244.28	-90.03	-3,307.15	-1,031.33	2,097.07	1,772.33	324.75	6.458		
9,700.00	7,072.00	7,047.00	7,047.00	84.78	244.29	-90.04	-3,307.15	-1,031.33	2,116.17	1,789.67	326.50	6.481		
9,800.00	7,072.35	7,047.35	7,047.35	87.37	244.30	-90.05	-3,307.15	-1,031.33	2,139.78	1,811.69	328.09	6.522		
9,900.00	7,072.69	7,047.69	7,047.69	89.97	244.31	-90.06	-3,307.15	-1,031.33	2,167.75	1,838.23	329.52	6.579		
10,000.00	7,073.03	7,048.03	7,048.03	92.59	244.32	-90.07	-3,307.15	-1,031.33	2,199.91	1,869.12	330.78	6.651		
10,100.00	7,073.38	7,048.38	7,048.38	95.22	244.34	-90.08	-3,307.15	-1,031.33	2,236.08	1,904.19	331.89	6.737		
10,200.00	7,073.72	7,048.72	7,048.72	97.86	244.35	-90.09	-3,307.15	-1,031.33	2,276.08	1,943.23	332.84	6.838		
10,300.00	7,074.07	7,049.07	7,049.07	100.52	244.36	-90.10	-3,307.15	-1,031.33	2,319.70	1,986.04	333.66	6.952		
10,400.00	7,074.41	7,049.41	7,049.41	103.19	244.37	-90.11	-3,307.15	-1,031.33	2,366.74	2,032.41	334.33	7.079		
10,500.00	7,074.75	7,049.75	7,049.75	105.87	244.38	-90.12	-3,307.15	-1,031.33	2,417.01	2,082.12	334.89	7.217		
10,600.00	7,075.10	7,050.10	7,050.10	108.55	244.40	-90.13	-3,307.15	-1,031.33	2,470.30	2,134.97	335.33	7.367		
10,700.00	7,075.44	7,050.44	7,050.44	111.25	244.41	-90.14	-3,307.15	-1,031.33	2,526.43	2,190.76	335.67	7.527		
10,800.00	7,075.78	7,050.78	7,050.78	113.96	244.42	-90.15	-3,307.15	-1,031.33	2,585.21	2,249.29	335.92	7.696		
10,900.00	7,076.13	7,051.13	7,051.13	116.67	244.43	-90.16	-3,307.15	-1,031.33	2,646.47	2,310.38	336.09	7.874		
11,000.00	7,076.47	7,051.47	7,051.47	119.39	244.44	-90.17	-3,307.15	-1,031.33	2,710.03	2,373.84	336.19	8.061		
11,100.00	7,076.81	7,051.81	7,051.81	122.11	244.46	-90.18	-3,307.15	-1,031.33	2,775.74	2,439.51	336.23	8.256		
11,200.00	7,077.16	7,052.16	7,052.16	124.85	244.47	-90.19	-3,307.15	-1,031.33	2,843.44	2,507.23	336.21	8.457		
11,300.00	7,077.50	7,052.50	7,052.50	127.58	244.48	-90.20	-3,307.15	-1,031.33	2,913.01	2,576.86	336.15	8.666		
11,400.00	7,077.85	7,052.85	7,052.85	130.33	244.49	-90.21	-3,307.15	-1,031.33	2,984.31	2,648.26	336.05	8.881		
11,500.00	7,078.19	7,053.19	7,053.19	133.08	244.50	-90.21	-3,307.15	-1,031.33	3,057.21	2,721.30	335.92	9.101		
11,600.00	7,078.53	7,053.53	7,053.53	135.83	244.52	-90.22	-3,307.15	-1,031.33	3,131.62	2,795.86	335.75	9.327		
11,700.00	7,078.88	7,053.88	7,053.88	138.59	244.53	-90.23	-3,307.15	-1,031.33	3,207.41	2,871.84	335.57	9.558		
11,800.00	7,079.22	7,054.22	7,054.22	141.35	244.54	-90.24	-3,307.15	-1,031.33	3,284.50	2,949.13	335.37	9.794		
11,900.00	7,079.56	7,054.56	7,054.56	144.11	244.55	-90.25	-3,307.15	-1,031.33	3,362.80	3,027.65	335.15	10.034		
12,000.00	7,079.91	7,054.91	7,054.91	146.88	244.56	-90.26	-3,307.15	-1,031.33	3,442.22	3,107.30	334.92	10.278		
12,100.00	7,080.25	7,055.25	7,055.25	149.66	244.58	-90.27	-3,307.15	-1,031.33	3,522.69	3,188.01	334.68	10.526		
12,200.00	7,080.60	7,055.60	7,055.60	152.43	244.59	-90.28	-3,307.15	-1,031.33	3,604.14	3,269.71	334.43	10.777		
12,300.00	7,080.94	7,055.94	7,055.94	155.21	244.60	-90.29	-3,307.15	-1,031.33	3,686.50	3,352.32	334.18	11.032		
12,400.00	7,081.28	7,056.28	7,056.28	157.99	244.61	-90.30	-3,307.15	-1,031.33	3,769.71	3,435.79	333.92	11.289		
12,500.00	7,081.63	7,056.63	7,056.63	160.78	244.62	-90.31	-3,307.15	-1,031.33	3,853.72	3,520.06	333.66	11.550		
12,600.00	7,081.97	7,056.97	7,056.97	163.57	244.64	-90.32	-3,307.15	-1,031.33	3,938.48	3,605.08	333.41	11.813		
12,700.00	7,082.31	7,057.31	7,057.31	166.36	244.65	-90.33	-3,307.15	-1,031.33	4,023.94	3,690.79	333.15	12.078		
12,800.00	7,082.66	7,057.66	7,057.66	169.15	244.66	-90.34	-3,307.15	-1,031.33	4,110.06	3,777.16	332.89	12.346		
12,900.00	7,083.00	7,058.00	7,058.00	171.94	244.67	-90.35	-3,307.15	-1,031.33	4,196.79	3,864.15	332.64	12.617		
13,000.00	7,083.35	7,058.35	7,058.35	174.74	244.68	-90.36	-3,307.15	-1,031.33	4,284.10	3,951.71	332.39	12.889		
13,100.00	7,083.69	7,058.69	7,058.69	177.54	244.70	-90.37	-3,307.15	-1,031.33	4,371.95	4,039.81	332.14	13.163		
13,200.00	7,084.03	7,059.03	7,059.03	180.34	244.71	-90.38	-3,307.15	-1,031.33	4,460.31	4,128.42	331.90	13.439		
13,300.00	7,084.38	7,059.38	7,059.38	183.14	244.72	-90.39	-3,307.15	-1,031.33	4,549.16	4,217.50	331.66	13.716		
13,400.00	7,084.72	7,059.72	7,059.72	185.95	244.73	-90.40	-3,307.15	-1,031.33	4,638.46	4,307.04	331.42	13.996		
13,500.00	7,085.06	7,060.06	7,060.06	188.76	244.74	-90.41	-3,307.15	-1,031.33	4,728.19	4,397.00	331.19	14.276		
13,600.00	7,085.41	7,060.41	7,060.41	191.56	244.76	-90.41	-3,307.15	-1,031.33	4,818.32	4,487.35	330.97	14.558		
13,700.00	7,085.75	7,060.75	7,060.75	194.37	244.77	-90.42	-3,307.15	-1,031.33	4,908.84	4,578.09	330.75	14.842		
13,800.00	7,086.09	7,061.09	7,061.09	197.18	244.78	-90.43	-3,307.15	-1,031.33	4,999.72	4,669.18	330.54	15.126		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
13,900.00	7,086.44	7,061.44	7,061.44	200.00	244.79	-90.44	-3,307.15	-1,031.33	5,090.93	4,760.61	330.33	15.412		
14,000.00	7,086.78	7,061.78	7,061.78	202.81	244.80	-90.45	-3,307.15	-1,031.33	5,182.48	4,852.36	330.12	15.699		
14,100.00	7,087.13	7,062.13	7,062.13	205.63	244.82	-90.46	-3,307.15	-1,031.33	5,274.33	4,944.40	329.92	15.987		
14,200.00	7,087.47	7,062.47	7,062.47	208.44	244.83	-90.47	-3,307.15	-1,031.33	5,366.47	5,036.74	329.73	16.275		
14,300.00	7,087.81	7,062.81	7,062.81	211.26	244.84	-90.48	-3,307.15	-1,031.33	5,458.89	5,129.35	329.54	16.565		
14,400.00	7,088.16	7,063.16	7,063.16	214.08	244.85	-90.49	-3,307.15	-1,031.33	5,551.57	5,222.21	329.36	16.856		
14,500.00	7,088.50	7,063.50	7,063.50	216.90	244.86	-90.50	-3,307.15	-1,031.33	5,644.50	5,315.32	329.18	17.147		
14,600.00	7,088.84	7,063.84	7,063.84	219.72	244.88	-90.51	-3,307.15	-1,031.33	5,737.67	5,408.66	329.01	17.439		
14,700.00	7,089.19	7,064.19	7,064.19	222.54	244.89	-90.52	-3,307.15	-1,031.33	5,831.06	5,502.22	328.84	17.732		
14,800.00	7,089.53	7,064.53	7,064.53	225.37	244.90	-90.53	-3,307.15	-1,031.33	5,924.67	5,596.00	328.68	18.026		
14,900.00	7,089.88	7,064.88	7,064.88	228.19	244.91	-90.54	-3,307.15	-1,031.33	6,018.49	5,689.97	328.52	18.320		
15,000.00	7,090.22	7,065.22	7,065.22	231.02	244.92	-90.55	-3,307.15	-1,031.33	6,112.50	5,784.13	328.36	18.615		
15,100.00	7,090.56	7,065.56	7,065.56	233.84	244.94	-90.56	-3,307.15	-1,031.33	6,206.70	5,878.48	328.22	18.910		
15,200.00	7,090.91	7,065.91	7,065.91	236.67	244.95	-90.57	-3,307.15	-1,031.33	6,301.07	5,973.00	328.07	19.206		
15,227.29	7,091.00	7,066.00	7,066.00	237.44	244.95	-90.57	-3,307.15	-1,031.33	6,326.86	5,998.83	328.03	19.287		
15,300.00	7,091.25	7,066.25	7,066.25	239.49	244.96	-90.54	-3,307.15	-1,031.33	6,395.32	6,067.39	327.93	19.502		
15,326.57	7,091.35	7,066.35	7,066.35	240.24	244.96	-90.53	-3,307.15	-1,031.33	6,420.20	6,092.31	327.89	19.581		
15,400.00	7,091.60	7,066.60	7,066.60	242.30	244.97	-90.54	-3,307.15	-1,031.33	6,488.92	6,161.15	327.77	19.797		
15,500.00	7,091.96	7,066.96	7,066.96	245.12	244.98	-90.55	-3,307.15	-1,031.33	6,582.66	6,255.04	327.62	20.092		
15,600.00	7,092.31	7,067.31	7,067.31	247.93	245.00	-90.56	-3,307.15	-1,031.33	6,676.59	6,349.12	327.47	20.388		
15,700.00	7,092.66	7,067.66	7,067.66	250.75	245.01	-90.56	-3,307.15	-1,031.33	6,770.69	6,443.36	327.33	20.684		
15,800.00	7,093.01	7,068.01	7,068.01	253.56	245.02	-90.57	-3,307.15	-1,031.33	6,864.96	6,537.77	327.20	20.981		
15,900.00	7,093.36	7,068.36	7,068.36	256.38	245.03	-90.58	-3,307.15	-1,031.33	6,959.39	6,632.33	327.06	21.278		
16,000.00	7,093.71	7,068.71	7,068.71	259.20	245.05	-90.59	-3,307.15	-1,031.33	7,053.97	6,727.04	326.93	21.576		
16,100.00	7,094.07	7,069.07	7,069.07	262.02	245.06	-90.60	-3,307.15	-1,031.33	7,148.70	6,821.89	326.81	21.874		
16,200.00	7,094.42	7,069.42	7,069.42	264.84	245.07	-90.61	-3,307.15	-1,031.33	7,243.57	6,916.88	326.69	22.173		
16,300.00	7,094.77	7,069.77	7,069.77	267.65	245.08	-90.62	-3,307.15	-1,031.33	7,338.58	7,012.00	326.57	22.472		
16,400.00	7,095.12	7,070.12	7,070.12	270.47	245.09	-90.63	-3,307.15	-1,031.33	7,433.71	7,107.26	326.46	22.771		
16,500.00	7,095.47	7,070.47	7,070.47	273.30	245.11	-90.64	-3,307.15	-1,031.33	7,528.98	7,202.63	326.35	23.070		
16,600.00	7,095.82	7,070.82	7,070.82	276.12	245.12	-90.64	-3,307.15	-1,031.33	7,624.36	7,298.12	326.24	23.370		
16,700.00	7,096.18	7,071.18	7,071.18	278.94	245.13	-90.65	-3,307.15	-1,031.33	7,719.86	7,393.72	326.14	23.670		
16,800.00	7,096.53	7,071.53	7,071.53	281.76	245.14	-90.66	-3,307.15	-1,031.33	7,815.48	7,489.43	326.05	23.971		
16,900.00	7,096.88	7,071.88	7,071.88	284.58	245.16	-90.67	-3,307.15	-1,031.33	7,911.20	7,585.25	325.95	24.271		
17,000.00	7,097.23	7,072.23	7,072.23	287.41	245.17	-90.68	-3,307.15	-1,031.33	8,007.03	7,681.17	325.86	24.572		
17,100.00	7,097.58	7,072.58	7,072.58	290.23	245.18	-90.69	-3,307.15	-1,031.33	8,102.96	7,777.19	325.77	24.873		
17,200.00	7,097.93	7,072.93	7,072.93	293.06	245.19	-90.70	-3,307.15	-1,031.33	8,198.98	7,873.30	325.69	25.174		
17,300.00	7,098.29	7,073.29	7,073.29	295.88	245.21	-90.71	-3,307.15	-1,031.33	8,295.10	7,969.50	325.61	25.476		
17,400.00	7,098.64	7,073.64	7,073.64	298.71	245.22	-90.72	-3,307.15	-1,031.33	8,391.31	8,065.78	325.53	25.777		
17,500.00	7,098.99	7,073.99	7,073.99	301.53	245.23	-90.72	-3,307.15	-1,031.33	8,487.61	8,162.16	325.45	26.079		
17,600.00	7,099.34	7,074.34	7,074.34	304.36	245.24	-90.73	-3,307.15	-1,031.33	8,583.99	8,258.61	325.38	26.381		
17,700.00	7,099.69	7,074.69	7,074.69	307.19	245.25	-90.74	-3,307.15	-1,031.33	8,680.46	8,355.14	325.31	26.683		
17,800.00	7,100.04	7,075.04	7,075.04	310.01	245.27	-90.75	-3,307.15	-1,031.33	8,777.00	8,451.75	325.25	26.986		
17,900.00	7,100.40	7,075.40	7,075.40	312.84	245.28	-90.76	-3,307.15	-1,031.33	8,873.62	8,548.44	325.18	27.288		
18,000.00	7,100.75	7,075.75	7,075.75	315.67	245.29	-90.77	-3,307.15	-1,031.33	8,970.31	8,645.19	325.12	27.590		
18,100.00	7,101.10	7,076.10	7,076.10	318.50	245.30	-90.78	-3,307.15	-1,031.33	9,067.08	8,742.01	325.07	27.893		
18,200.00	7,101.45	7,076.45	7,076.45	321.33	245.32	-90.79	-3,307.15	-1,031.33	9,163.91	8,838.90	325.01	28.196		
18,300.00	7,101.80	7,076.80	7,076.80	324.16	245.33	-90.80	-3,307.15	-1,031.33	9,260.82	8,935.86	324.96	28.498		
18,400.00	7,102.16	7,077.16	7,077.16	326.99	245.34	-90.80	-3,307.15	-1,031.33	9,357.78	9,032.87	324.91	28.801		
18,500.00	7,102.51	7,077.51	7,077.51	329.82	245.35	-90.81	-3,307.15	-1,031.33	9,454.82	9,129.95	324.86	29.104		
18,600.00	7,102.86	7,077.86	7,077.86	332.65	245.36	-90.82	-3,307.15	-1,031.33	9,551.91	9,227.09	324.82	29.407		
18,700.00	7,103.21	7,078.21	7,078.21	335.48	245.38	-90.83	-3,307.15	-1,031.33	9,649.06	9,324.28	324.78	29.710		
18,800.00	7,103.56	7,078.56	7,078.56	338.31	245.39	-90.84	-3,307.15	-1,031.33	9,746.27	9,421.53	324.74	30.013		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,900.00	7,103.91	7,078.91	7,078.91	341.14	245.40	-90.85	-3,307.15	-1,031.33	9,843.53	9,518.83	324.70	30.316	
18,924.52	7,104.00	7,079.00	7,079.00	341.83	245.40	-90.85	-3,307.15	-1,031.33	9,867.38	9,542.70	324.69	30.390	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-88.00	291.40	-8,360.37	8,365.45					
100.00	100.00	104.00	96.00	3.28	3.78	-88.00	291.40	-8,360.37	8,365.45	8,358.38	7.07	1,183.594		
200.00	200.00	204.00	196.00	3.34	6.30	-88.00	291.40	-8,360.37	8,365.45	8,355.81	9.63	868.258		
300.00	299.98	304.02	295.98	3.44	9.46	138.99	291.40	-8,360.37	8,366.77	8,353.87	12.90	648.806		
400.00	399.84	404.16	395.84	3.59	12.79	138.96	291.40	-8,360.37	8,370.72	8,354.33	16.38	510.885		
500.00	499.45	504.55	495.45	3.80	16.20	138.91	291.40	-8,360.37	8,377.30	8,357.30	20.00	418.906		
600.00	598.70	605.30	594.70	4.04	19.66	138.84	291.40	-8,360.37	8,386.51	8,362.81	23.70	353.863		
700.00	697.47	706.53	693.47	4.32	23.15	138.76	291.40	-8,360.37	8,398.34	8,370.87	27.48	305.667		
800.00	795.62	808.38	791.62	4.65	26.68	138.65	291.40	-8,360.37	8,412.79	8,381.47	31.32	268.622		
900.00	893.06	889.06	889.06	5.02	29.47	138.52	291.40	-8,360.37	8,429.85	8,395.39	34.47	244.581		
993.00	982.91	978.91	978.91	5.39	32.59	138.38	291.40	-8,360.37	8,448.05	8,410.11	37.94	222.670		
1,000.00	989.65	985.65	985.65	5.42	32.83	138.39	291.40	-8,360.37	8,449.51	8,411.30	38.20	221.166		
1,100.00	1,085.84	1,081.84	1,081.84	5.86	36.17	138.51	291.40	-8,360.37	8,470.30	8,428.36	41.95	201.934		
1,200.00	1,182.03	1,178.03	1,178.03	6.32	39.52	138.63	291.40	-8,360.37	8,491.14	8,445.43	45.71	185.764		
1,300.00	1,278.22	1,274.22	1,274.22	6.79	42.86	138.75	291.40	-8,360.37	8,512.01	8,462.52	49.49	171.996		
1,400.00	1,374.42	1,370.42	1,370.42	7.28	46.21	138.87	291.40	-8,360.37	8,532.91	8,479.63	53.28	160.140		
1,500.00	1,470.61	1,466.61	1,466.61	7.79	49.56	138.99	291.40	-8,360.37	8,553.86	8,496.77	57.09	149.831		
1,600.00	1,566.80	1,562.80	1,562.80	8.30	52.91	139.10	291.40	-8,360.37	8,574.84	8,513.93	60.90	140.790		
1,700.00	1,663.00	1,659.00	1,659.00	8.82	56.27	139.22	291.40	-8,360.37	8,595.85	8,531.12	64.73	132.800		
1,800.00	1,759.19	1,755.19	1,755.19	9.34	59.62	139.34	291.40	-8,360.37	8,616.90	8,548.34	68.56	125.689		
1,900.00	1,855.38	1,851.38	1,851.38	9.87	62.97	139.45	291.40	-8,360.37	8,637.98	8,565.59	72.39	119.323		
2,000.00	1,951.58	1,947.58	1,947.58	10.41	66.33	139.57	291.40	-8,360.37	8,659.10	8,582.87	76.23	113.591		
2,100.00	2,047.77	2,043.77	2,043.77	10.95	69.68	139.69	291.40	-8,360.37	8,680.26	8,600.19	80.07	108.403		
2,200.00	2,143.96	2,139.96	2,139.96	11.49	73.03	139.80	291.40	-8,360.37	8,701.45	8,617.53	83.92	103.687		
2,300.00	2,240.16	2,236.16	2,236.16	12.04	76.39	139.91	291.40	-8,360.37	8,722.67	8,634.90	87.77	99.382		
2,400.00	2,336.35	2,332.35	2,332.35	12.58	79.74	140.03	291.40	-8,360.37	8,743.93	8,652.31	91.62	95.436		
2,500.00	2,432.54	2,428.54	2,428.54	13.13	83.10	140.14	291.40	-8,360.37	8,765.22	8,669.75	95.47	91.807		
2,600.00	2,528.74	2,524.74	2,524.74	13.69	86.46	140.25	291.40	-8,360.37	8,786.54	8,687.21	99.33	88.459		
2,700.00	2,624.93	2,620.93	2,620.93	14.24	89.81	140.37	291.40	-8,360.37	8,807.90	8,704.72	103.19	85.359		
2,800.00	2,721.12	2,717.12	2,717.12	14.80	93.17	140.48	291.40	-8,360.37	8,829.29	8,722.25	107.04	82.482		
2,900.00	2,817.32	2,813.32	2,813.32	15.35	96.52	140.59	291.40	-8,360.37	8,850.71	8,739.81	110.90	79.805		
3,000.00	2,913.51	2,909.51	2,909.51	15.91	99.88	140.70	291.40	-8,360.37	8,872.17	8,757.41	114.76	77.308		
3,100.00	3,009.70	3,005.70	3,005.70	16.47	103.24	140.81	291.40	-8,360.37	8,893.66	8,775.03	118.63	74.973		
3,200.00	3,105.90	3,101.90	3,101.90	17.03	106.59	140.92	291.40	-8,360.37	8,915.18	8,792.69	122.49	72.784		
3,300.00	3,202.09	3,201.91	3,198.09	17.59	110.08	141.03	291.40	-8,360.37	8,936.73	8,810.25	126.48	70.655		
3,400.00	3,298.28	3,305.72	3,294.28	18.15	113.70	141.13	291.40	-8,360.37	8,958.31	8,827.70	130.61	68.587		
3,500.00	3,394.48	3,409.52	3,390.48	18.72	117.33	141.24	291.40	-8,360.37	8,979.93	8,845.18	134.74	66.645		
3,600.00	3,490.67	3,486.67	3,486.67	19.28	120.02	141.35	291.40	-8,360.37	9,001.57	8,863.63	137.94	65.256		
3,700.00	3,586.86	3,582.86	3,582.86	19.84	123.38	141.46	291.40	-8,360.37	9,023.25	8,881.44	141.81	63.631		
3,800.00	3,683.06	3,679.06	3,679.06	20.41	126.73	141.56	291.40	-8,360.37	9,044.95	8,899.28	145.67	62.091		
3,900.00	3,779.25	3,775.25	3,775.25	20.97	130.09	141.67	291.40	-8,360.37	9,066.69	8,917.15	149.54	60.632		
4,000.00	3,875.44	3,871.44	3,871.44	21.54	133.45	141.77	291.40	-8,360.37	9,088.46	8,935.06	153.40	59.246		
4,100.00	3,971.64	3,967.64	3,967.64	22.11	136.80	141.88	291.40	-8,360.37	9,110.26	8,952.99	157.27	57.928		
4,200.00	4,067.83	4,063.83	4,063.83	22.67	140.16	141.98	291.40	-8,360.37	9,132.08	8,970.95	161.13	56.674		
4,300.00	4,164.02	4,160.02	4,160.02	23.24	143.52	142.09	291.40	-8,360.37	9,153.94	8,988.94	165.00	55.478		
4,400.00	4,260.22	4,256.22	4,256.22	23.81	146.88	142.19	291.40	-8,360.37	9,175.83	9,006.96	168.87	54.338		
4,500.00	4,356.41	4,352.41	4,352.41	24.37	150.23	142.29	291.40	-8,360.37	9,197.74	9,025.01	172.73	53.249		
4,600.00	4,452.60	4,448.60	4,448.60	24.94	153.59	142.40	291.40	-8,360.37	9,219.69	9,043.09	176.60	52.207		
4,700.00	4,548.79	4,544.79	4,544.79	25.51	156.95	142.50	291.40	-8,360.37	9,241.66	9,061.19	180.46	51.210		
4,800.00	4,644.99	4,640.99	4,640.99	26.08	160.31	142.60	291.40	-8,360.37	9,263.66	9,079.33	184.33	50.255		
4,900.00	4,741.18	4,737.18	4,737.18	26.65	163.66	142.70	291.40	-8,360.37	9,285.69	9,097.49	188.20	49.340		
5,000.00	4,837.37	4,833.37	4,833.37	27.21	167.02	142.80	291.40	-8,360.37	9,307.75	9,115.68	192.06	48.462		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,929.57	4,929.57	27.78	170.38	142.90	291.40	-8,360.37	9,329.83	9,133.90	195.93	47.618		
5,200.00	5,029.76	5,025.76	5,025.76	28.35	173.74	143.00	291.40	-8,360.37	9,351.95	9,152.15	199.80	46.807		
5,300.00	5,125.95	5,121.95	5,121.95	28.92	177.09	143.10	291.40	-8,360.37	9,374.09	9,170.42	203.66	46.027		
5,400.00	5,222.15	5,218.15	5,218.15	29.49	180.45	143.20	291.40	-8,360.37	9,396.25	9,188.72	207.53	45.277		
5,500.00	5,318.34	5,314.34	5,314.34	30.06	183.81	143.30	291.40	-8,360.37	9,418.45	9,207.05	211.40	44.554		
5,600.00	5,414.53	5,410.53	5,410.53	30.63	187.17	143.39	291.40	-8,360.37	9,440.67	9,225.41	215.26	43.857		
5,700.00	5,510.73	5,506.73	5,506.73	31.20	190.52	143.49	291.40	-8,360.37	9,462.92	9,243.79	219.13	43.185		
5,800.00	5,606.92	5,602.92	5,602.92	31.77	193.88	143.59	291.40	-8,360.37	9,485.20	9,262.20	222.99	42.536		
5,900.00	5,703.11	5,700.89	5,699.11	32.34	197.30	143.68	291.40	-8,360.37	9,507.50	9,280.58	226.92	41.898		
6,000.00	5,799.31	5,804.69	5,795.31	32.91	200.92	143.78	291.40	-8,360.37	9,529.83	9,298.77	231.05	41.245		
6,100.00	5,895.50	5,908.50	5,891.50	33.48	204.55	143.88	291.40	-8,360.37	9,552.18	9,316.99	235.18	40.616		
6,200.00	5,991.69	5,987.69	5,987.69	34.05	207.31	143.97	291.40	-8,360.37	9,574.56	9,336.10	238.46	40.152		
6,300.00	6,087.89	6,083.89	6,083.89	34.62	210.67	144.07	291.40	-8,360.37	9,596.96	9,354.64	242.32	39.604		
6,400.00	6,184.08	6,180.08	6,180.08	35.19	214.03	144.16	291.40	-8,360.37	9,619.40	9,373.21	246.19	39.073		
6,500.00	6,280.27	6,276.27	6,276.27	35.77	217.38	144.25	291.40	-8,360.37	9,641.85	9,391.80	250.05	38.559		
6,535.30	6,314.23	6,310.23	6,310.23	35.97	218.57	144.29	291.40	-8,360.37	9,649.78	9,398.37	251.42	38.382		
6,550.00	6,328.40	6,324.40	6,324.40	36.05	219.06	140.83	291.40	-8,360.37	9,652.92	9,400.94	251.99	38.307		
6,600.00	6,377.01	6,373.01	6,373.01	36.31	220.76	125.55	291.40	-8,360.37	9,661.14	9,407.21	253.93	38.047		
6,650.00	6,426.00	6,422.00	6,422.00	36.54	222.47	104.54	291.40	-8,360.37	9,665.50	9,409.64	255.86	37.776		
6,700.00	6,475.08	6,471.08	6,471.08	36.73	224.18	81.71	291.40	-8,360.37	9,666.00	9,408.22	257.78	37.497		
6,750.00	6,523.94	6,519.94	6,519.94	36.90	225.89	63.19	291.40	-8,360.37	9,662.61	9,402.95	259.66	37.212		
6,800.00	6,572.28	6,568.28	6,568.28	37.05	227.58	50.55	291.40	-8,360.37	9,655.38	9,393.88	261.50	36.924		
6,850.00	6,619.81	6,615.81	6,615.81	37.19	229.24	42.27	291.40	-8,360.37	9,644.34	9,381.06	263.27	36.632		
6,900.00	6,666.23	6,662.23	6,662.23	37.32	230.86	36.77	291.40	-8,360.37	9,629.56	9,364.57	264.99	36.339		
6,950.00	6,711.25	6,707.25	6,707.25	37.46	232.43	33.04	291.40	-8,360.37	9,611.13	9,344.50	266.63	36.046		
7,000.00	6,754.60	6,750.60	6,750.60	37.61	233.94	30.48	291.40	-8,360.37	9,589.17	9,320.98	268.20	35.754		
7,050.00	6,796.01	6,807.99	6,792.01	37.77	235.94	28.75	291.40	-8,360.37	9,563.82	9,293.59	270.23	35.391		
7,100.00	6,835.22	6,831.22	6,831.22	37.94	236.76	27.66	291.40	-8,360.37	9,535.24	9,264.18	271.06	35.177		
7,150.00	6,871.99	6,867.99	6,867.99	38.12	238.04	27.10	291.40	-8,360.37	9,503.59	9,231.24	272.35	34.895		
7,200.00	6,906.10	6,902.10	6,902.10	38.34	239.23	27.00	291.40	-8,360.37	9,469.07	9,195.55	273.53	34.619		
7,250.00	6,937.34	6,933.34	6,933.34	38.57	240.32	27.36	291.40	-8,360.37	9,431.90	9,157.31	274.60	34.348		
7,300.00	6,965.51	6,961.51	6,961.51	38.84	241.30	28.23	291.40	-8,360.37	9,392.31	9,116.76	275.55	34.085		
7,350.00	6,990.44	6,986.44	6,986.44	39.14	242.17	29.71	291.40	-8,360.37	9,350.53	9,074.14	276.39	33.831		
7,400.00	7,011.97	7,007.97	7,007.97	39.47	242.93	31.99	291.40	-8,360.37	9,306.83	9,029.72	277.11	33.585		
7,450.00	7,029.98	7,025.98	7,025.98	39.85	243.55	35.42	291.40	-8,360.37	9,261.48	8,983.77	277.71	33.349		
7,500.00	7,044.34	7,040.34	7,040.34	40.26	244.06	40.61	291.40	-8,360.37	9,214.74	8,936.56	278.19	33.124		
7,550.00	7,054.99	7,050.99	7,050.99	40.72	244.43	48.74	291.40	-8,360.37	9,166.91	8,888.38	278.54	32.911		
7,600.00	7,061.83	7,057.83	7,057.83	41.21	244.67	61.90	291.40	-8,360.37	9,118.29	8,839.53	278.76	32.710		
7,650.00	7,064.85	7,060.85	7,060.85	41.73	244.77	82.72	291.40	-8,360.37	9,069.16	8,790.30	278.86	32.522		
7,661.89	7,065.00	7,061.00	7,061.00	41.86	244.78	88.82	291.40	-8,360.37	9,057.44	8,778.57	278.87	32.479		
7,700.00	7,065.13	7,061.13	7,061.13	42.28	244.78	88.83	291.40	-8,360.37	9,019.85	8,740.98	278.88	32.343		
7,800.00	7,065.47	7,061.47	7,061.47	43.53	244.79	88.84	291.40	-8,360.37	8,921.25	8,642.34	278.90	31.987		
7,900.00	7,065.82	7,061.82	7,061.82	44.94	244.80	88.85	291.40	-8,360.37	8,822.67	8,543.73	278.94	31.629		
8,000.00	7,066.16	7,062.16	7,062.16	46.50	244.82	88.87	291.40	-8,360.37	8,724.13	8,445.15	278.99	31.271		
8,100.00	7,066.50	7,062.50	7,062.50	48.19	244.83	88.88	291.40	-8,360.37	8,625.63	8,346.58	279.04	30.912		
8,200.00	7,066.85	7,062.85	7,062.85	50.00	244.84	88.89	291.40	-8,360.37	8,527.15	8,248.04	279.11	30.551		
8,300.00	7,067.19	7,063.19	7,063.19	51.91	244.85	88.91	291.40	-8,360.37	8,428.72	8,149.53	279.19	30.190		
8,400.00	7,067.54	7,063.54	7,063.54	53.92	244.86	88.92	291.40	-8,360.37	8,330.32	8,051.04	279.28	29.828		
8,500.00	7,067.88	7,063.88	7,063.88	56.01	244.88	88.93	291.40	-8,360.37	8,231.95	7,952.57	279.38	29.465		
8,600.00	7,068.22	7,064.22	7,064.22	58.16	244.89	88.95	291.40	-8,360.37	8,133.63	7,854.13	279.50	29.100		
8,700.00	7,068.57	7,064.57	7,064.57	60.38	244.90	88.96	291.40	-8,360.37	8,035.35	7,755.72	279.63	28.735		
8,800.00	7,068.91	7,064.91	7,064.91	62.65	244.91	88.97	291.40	-8,360.37	7,937.12	7,657.33	279.78	28.369		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,065.25	7,065.25	64.97	244.92	88.98	291.40	-8,360.37	7,838.92	7,558.98	279.95	28.001		
9,000.00	7,069.60	7,065.60	7,065.60	67.34	244.94	89.00	291.40	-8,360.37	7,740.78	7,460.65	280.13	27.633		
9,100.00	7,069.94	7,065.94	7,065.94	69.74	244.95	89.01	291.40	-8,360.37	7,642.68	7,362.35	280.33	27.263		
9,200.00	7,070.28	7,066.28	7,066.28	72.18	244.96	89.02	291.40	-8,360.37	7,544.63	7,264.09	280.55	26.893		
9,300.00	7,070.63	7,066.63	7,066.63	74.65	244.97	89.04	291.40	-8,360.37	7,446.64	7,165.85	280.78	26.521		
9,400.00	7,070.97	7,066.97	7,066.97	77.15	244.98	89.05	291.40	-8,360.37	7,348.69	7,067.65	281.04	26.148		
9,500.00	7,071.32	7,067.32	7,067.32	79.67	245.00	89.06	291.40	-8,360.37	7,250.81	6,969.49	281.32	25.774		
9,600.00	7,071.66	7,067.66	7,067.66	82.22	245.01	89.08	291.40	-8,360.37	7,152.98	6,871.35	281.63	25.399		
9,700.00	7,072.00	7,068.00	7,068.00	84.78	245.02	89.09	291.40	-8,360.37	7,055.21	6,773.26	281.95	25.023		
9,800.00	7,072.35	7,068.35	7,068.35	87.37	245.03	89.10	291.40	-8,360.37	6,957.51	6,675.20	282.31	24.645		
9,900.00	7,072.69	7,068.69	7,068.69	89.97	245.04	89.12	291.40	-8,360.37	6,859.87	6,577.19	282.69	24.267		
10,000.00	7,073.03	7,069.03	7,069.03	92.59	245.06	89.13	291.40	-8,360.37	6,762.31	6,479.21	283.09	23.887		
10,100.00	7,073.38	7,069.38	7,069.38	95.22	245.07	89.14	291.40	-8,360.37	6,664.81	6,381.28	283.53	23.507		
10,200.00	7,073.72	7,069.72	7,069.72	97.86	245.08	89.16	291.40	-8,360.37	6,567.39	6,283.39	284.00	23.125		
10,300.00	7,074.07	7,070.07	7,070.07	100.52	245.09	89.17	291.40	-8,360.37	6,470.05	6,185.55	284.50	22.742		
10,400.00	7,074.41	7,070.41	7,070.41	103.19	245.10	89.18	291.40	-8,360.37	6,372.79	6,087.76	285.03	22.358		
10,500.00	7,074.75	7,070.75	7,070.75	105.87	245.12	89.20	291.40	-8,360.37	6,275.61	5,990.02	285.60	21.974		
10,600.00	7,075.10	7,071.10	7,071.10	108.55	245.13	89.21	291.40	-8,360.37	6,178.53	5,892.33	286.20	21.588		
10,700.00	7,075.44	7,071.44	7,071.44	111.25	245.14	89.22	291.40	-8,360.37	6,081.54	5,794.70	286.84	21.202		
10,800.00	7,075.78	7,071.78	7,071.78	113.96	245.15	89.24	291.40	-8,360.37	5,984.65	5,697.13	287.53	20.814		
10,900.00	7,076.13	7,072.13	7,072.13	116.67	245.16	89.25	291.40	-8,360.37	5,887.87	5,599.62	288.25	20.426		
11,000.00	7,076.47	7,072.47	7,072.47	119.39	245.18	89.26	291.40	-8,360.37	5,791.19	5,502.17	289.02	20.037		
11,100.00	7,076.81	7,072.81	7,072.81	122.11	245.19	89.28	291.40	-8,360.37	5,694.63	5,404.79	289.84	19.648		
11,200.00	7,077.16	7,073.16	7,073.16	124.85	245.20	89.29	291.40	-8,360.37	5,598.19	5,307.49	290.70	19.258		
11,300.00	7,077.50	7,073.50	7,073.50	127.58	245.21	89.30	291.40	-8,360.37	5,501.87	5,210.26	291.61	18.867		
11,400.00	7,077.85	7,073.85	7,073.85	130.33	245.22	89.31	291.40	-8,360.37	5,405.69	5,113.11	292.58	18.476		
11,500.00	7,078.19	7,074.19	7,074.19	133.08	245.24	89.33	291.40	-8,360.37	5,309.65	5,016.05	293.61	18.084		
11,600.00	7,078.53	7,074.53	7,074.53	135.83	245.25	89.34	291.40	-8,360.37	5,213.76	4,919.08	294.69	17.693		
11,700.00	7,078.88	7,074.88	7,074.88	138.59	245.26	89.35	291.40	-8,360.37	5,118.03	4,822.20	295.83	17.301		
11,800.00	7,079.22	7,075.22	7,075.22	141.35	245.27	89.37	291.40	-8,360.37	5,022.46	4,725.43	297.04	16.909		
11,900.00	7,079.56	7,075.56	7,075.56	144.11	245.28	89.38	291.40	-8,360.37	4,927.07	4,628.76	298.31	16.517		
12,000.00	7,079.91	7,075.91	7,075.91	146.88	245.30	89.39	291.40	-8,360.37	4,831.87	4,532.21	299.66	16.125		
12,100.00	7,080.25	7,076.25	7,076.25	149.66	245.31	89.41	291.40	-8,360.37	4,736.86	4,435.79	301.07	15.733		
12,200.00	7,080.60	7,076.60	7,076.60	152.43	245.32	89.42	291.40	-8,360.37	4,642.07	4,339.50	302.57	15.342		
12,300.00	7,080.94	7,076.94	7,076.94	155.21	245.33	89.43	291.40	-8,360.37	4,547.49	4,243.34	304.15	14.951		
12,400.00	7,081.28	7,077.28	7,077.28	157.99	245.34	89.45	291.40	-8,360.37	4,453.16	4,147.34	305.82	14.562		
12,500.00	7,081.63	7,077.63	7,077.63	160.78	245.36	89.46	291.40	-8,360.37	4,359.07	4,051.50	307.57	14.173		
12,600.00	7,081.97	7,077.97	7,077.97	163.57	245.37	89.47	291.40	-8,360.37	4,265.26	3,955.83	309.43	13.784		
12,700.00	7,082.31	7,078.31	7,078.31	166.36	245.38	89.49	291.40	-8,360.37	4,171.73	3,860.35	311.38	13.398		
12,800.00	7,082.66	7,078.66	7,078.66	169.15	245.39	89.50	291.40	-8,360.37	4,078.51	3,765.07	313.44	13.012		
12,900.00	7,083.00	7,079.00	7,079.00	171.94	245.40	89.51	291.40	-8,360.37	3,985.61	3,670.00	315.62	12.628		
13,000.00	7,083.35	7,079.35	7,079.35	174.74	245.42	89.53	291.40	-8,360.37	3,893.07	3,575.16	317.91	12.246		
13,100.00	7,083.69	7,079.69	7,079.69	177.54	245.43	89.54	291.40	-8,360.37	3,800.91	3,480.58	320.33	11.866		
13,200.00	7,084.03	7,080.03	7,080.03	180.34	245.44	89.55	291.40	-8,360.37	3,709.16	3,386.27	322.89	11.487		
13,300.00	7,084.38	7,080.38	7,080.38	183.14	245.45	89.57	291.40	-8,360.37	3,617.84	3,292.25	325.59	11.112		
13,400.00	7,084.72	7,080.72	7,080.72	185.95	245.46	89.58	291.40	-8,360.37	3,526.99	3,198.55	328.44	10.739		
13,500.00	7,085.06	7,081.06	7,081.06	188.76	245.48	89.59	291.40	-8,360.37	3,436.65	3,105.20	331.45	10.369		
13,600.00	7,085.41	7,081.41	7,081.41	191.56	245.49	89.60	291.40	-8,360.37	3,346.86	3,012.23	334.63	10.002		
13,700.00	7,085.75	7,081.75	7,081.75	194.37	245.50	89.62	291.40	-8,360.37	3,257.66	2,919.67	337.99	9.638		
13,800.00	7,086.09	7,082.09	7,082.09	197.18	245.51	89.63	291.40	-8,360.37	3,169.11	2,827.57	341.54	9.279		
13,900.00	7,086.44	7,082.44	7,082.44	200.00	245.52	89.64	291.40	-8,360.37	3,081.26	2,735.96	345.30	8.923		
14,000.00	7,086.78	7,082.78	7,082.78	202.81	245.54	89.66	291.40	-8,360.37	2,994.17	2,644.90	349.28	8.573		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,083.13	7,083.13	205.63	245.55	89.67	291.40	-8,360.37	2,907.91	2,554.43	353.48	8.227		
14,200.00	7,087.47	7,083.47	7,083.47	208.44	245.56	89.68	291.40	-8,360.37	2,822.56	2,464.63	357.93	7.886		
14,300.00	7,087.81	7,083.81	7,083.81	211.26	245.57	89.70	291.40	-8,360.37	2,738.21	2,375.57	362.64	7.551		
14,400.00	7,088.16	7,084.16	7,084.16	214.08	245.58	89.71	291.40	-8,360.37	2,654.93	2,287.32	367.61	7.222		
14,500.00	7,088.50	7,084.50	7,084.50	216.90	245.60	89.72	291.40	-8,360.37	2,572.85	2,199.98	372.88	6.900		
14,600.00	7,088.84	7,084.84	7,084.84	219.72	245.61	89.74	291.40	-8,360.37	2,492.08	2,113.64	378.44	6.585		
14,700.00	7,089.19	7,085.19	7,085.19	222.54	245.62	89.75	291.40	-8,360.37	2,412.75	2,028.43	384.32	6.278		
14,800.00	7,089.53	7,085.53	7,085.53	225.37	245.63	89.76	291.40	-8,360.37	2,335.01	1,944.49	390.52	5.979		
14,900.00	7,089.88	7,085.88	7,085.88	228.19	245.64	89.78	291.40	-8,360.37	2,259.02	1,861.97	397.05	5.689		
15,000.00	7,090.22	7,086.22	7,086.22	231.02	245.66	89.79	291.40	-8,360.37	2,184.97	1,781.04	403.93	5.409		
15,100.00	7,090.56	7,086.56	7,086.56	233.84	245.67	89.80	291.40	-8,360.37	2,113.05	1,701.91	411.14	5.140		
15,200.00	7,090.91	7,086.91	7,086.91	236.67	245.68	89.82	291.40	-8,360.37	2,043.50	1,624.82	418.68	4.881		
15,227.29	7,091.00	7,087.00	7,087.00	237.44	245.68	89.82	291.40	-8,360.37	2,024.96	1,604.16	420.79	4.812		
15,300.00	7,091.25	7,087.25	7,087.25	239.49	245.69	89.83	291.40	-8,360.37	1,977.26	1,550.66	426.60	4.635		
15,326.57	7,091.35	7,087.35	7,087.35	240.24	245.70	89.84	291.40	-8,360.37	1,960.57	1,531.78	428.79	4.572		
15,400.00	7,091.60	7,087.60	7,087.60	242.30	245.71	89.85	291.40	-8,360.37	1,915.87	1,480.93	434.95	4.405		
15,500.00	7,091.96	7,087.96	7,087.96	245.12	245.72	89.86	291.40	-8,360.37	1,857.95	1,414.42	443.53	4.189		
15,600.00	7,092.31	7,088.31	7,088.31	247.93	245.73	89.88	291.40	-8,360.37	1,803.71	1,351.45	452.26	3.988		
15,700.00	7,092.66	7,088.66	7,088.66	250.75	245.74	89.89	291.40	-8,360.37	1,753.51	1,292.44	461.06	3.803		
15,800.00	7,093.01	7,089.01	7,089.01	253.56	245.75	89.90	291.40	-8,360.37	1,707.69	1,237.85	469.84	3.635		
15,900.00	7,093.36	7,089.36	7,089.36	256.38	245.77	89.92	291.40	-8,360.37	1,666.61	1,188.16	478.45	3.483		
16,000.00	7,093.71	7,089.71	7,089.71	259.20	245.78	89.93	291.40	-8,360.37	1,630.64	1,143.87	486.77	3.350		
16,100.00	7,094.07	7,109.93	7,090.07	262.02	246.48	89.94	291.40	-8,360.37	1,600.12	1,104.79	495.33	3.230		
16,200.00	7,094.42	7,109.58	7,090.42	264.84	246.47	89.96	291.40	-8,360.37	1,575.37	1,072.81	502.57	3.135		
16,300.00	7,094.77	7,109.23	7,090.77	267.65	246.46	89.97	291.40	-8,360.37	1,556.66	1,047.63	509.03	3.058		
16,400.00	7,095.12	7,108.88	7,091.12	270.47	246.45	89.98	291.40	-8,360.37	1,544.22	1,029.62	514.59	3.001		
16,500.00	7,095.47	7,108.53	7,091.47	273.30	246.44	89.99	291.40	-8,360.37	1,538.18	1,019.06	519.12	2.963		
16,542.99	7,095.62	7,108.38	7,091.62	274.51	246.43	90.00	291.40	-8,360.37	1,537.58	1,016.85	520.73	2.953 CC		
16,600.00	7,095.82	7,108.18	7,091.82	276.12	246.42	90.01	291.40	-8,360.37	1,538.64	1,016.10	522.54	2.945 ES, SF		
16,700.00	7,096.18	7,107.82	7,092.18	278.94	246.41	90.02	291.40	-8,360.37	1,545.58	1,020.77	524.81	2.945		
16,800.00	7,096.53	7,107.47	7,092.53	281.76	246.40	90.03	291.40	-8,360.37	1,558.91	1,032.99	525.92	2.964		
16,900.00	7,096.88	7,107.12	7,092.88	284.58	246.39	90.05	291.40	-8,360.37	1,578.48	1,052.55	525.93	3.001		
17,000.00	7,097.23	7,106.77	7,093.23	287.41	246.37	90.06	291.40	-8,360.37	1,604.06	1,079.15	524.91	3.056		
17,100.00	7,097.58	7,106.42	7,093.58	290.23	246.36	90.07	291.40	-8,360.37	1,635.36	1,112.39	522.97	3.127		
17,200.00	7,097.93	7,106.07	7,093.93	293.06	246.35	90.09	291.40	-8,360.37	1,672.07	1,151.83	520.24	3.214		
17,300.00	7,098.29	7,105.71	7,094.29	295.88	246.34	90.10	291.40	-8,360.37	1,713.83	1,196.99	516.84	3.316		
17,400.00	7,098.64	7,105.36	7,094.64	298.71	246.33	90.11	291.40	-8,360.37	1,760.29	1,247.39	512.90	3.432		
17,500.00	7,098.99	7,105.01	7,094.99	301.53	246.31	90.13	291.40	-8,360.37	1,811.08	1,302.53	508.55	3.561		
17,600.00	7,099.34	7,104.66	7,095.34	304.36	246.30	90.14	291.40	-8,360.37	1,865.85	1,361.95	503.90	3.703		
17,700.00	7,099.69	7,104.31	7,095.69	307.19	246.29	90.15	291.40	-8,360.37	1,924.27	1,425.21	499.05	3.856		
17,800.00	7,100.04	7,103.96	7,096.04	310.01	246.28	90.16	291.40	-8,360.37	1,986.00	1,491.91	494.09	4.020		
17,900.00	7,100.40	7,103.60	7,096.40	312.84	246.26	90.18	291.40	-8,360.37	2,050.76	1,561.68	489.08	4.193		
18,000.00	7,100.75	7,103.25	7,096.75	315.67	246.25	90.19	291.40	-8,360.37	2,118.25	1,634.17	484.08	4.376		
18,100.00	7,101.10	7,102.90	7,097.10	318.50	246.24	90.20	291.40	-8,360.37	2,188.24	1,709.11	479.13	4.567		
18,200.00	7,101.45	7,102.55	7,097.45	321.33	246.23	90.22	291.40	-8,360.37	2,260.48	1,786.21	474.28	4.766		
18,300.00	7,101.80	7,102.20	7,097.80	324.16	246.21	90.23	291.40	-8,360.37	2,334.78	1,865.24	469.53	4.973		
18,400.00	7,102.16	7,101.84	7,098.16	326.99	246.20	90.24	291.40	-8,360.37	2,410.93	1,946.00	464.93	5.186		
18,500.00	7,102.51	7,101.49	7,098.51	329.82	246.19	90.26	291.40	-8,360.37	2,488.77	2,028.31	460.46	5.405		
18,600.00	7,102.86	7,101.14	7,098.86	332.65	246.18	90.27	291.40	-8,360.37	2,568.15	2,111.99	456.15	5.630		
18,700.00	7,103.21	7,100.79	7,099.21	335.48	246.17	90.28	291.40	-8,360.37	2,648.92	2,196.92	452.00	5.860		
18,800.00	7,103.56	7,100.44	7,099.56	338.31	246.15	90.30	291.40	-8,360.37	2,730.96	2,282.95	448.01	6.096		
18,900.00	7,103.91	7,100.09	7,099.91	341.14	246.14	90.31	291.40	-8,360.37	2,814.17	2,369.99	444.18	6.336		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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
18,924.52	7,104.00	7,100.00	7,100.00	341.83	246.14	90.31	291.40	-8,360.37	2,834.74	2,391.47	443.26	6.395	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	31.78	1,546.86	958.27	1,819.84					
100.00	100.00	66.69	66.69	3.28	3.28	31.77	1,547.03	958.17	1,819.73	1,813.17	6.57	277.064 CC, ES		
200.00	200.00	171.49	171.48	3.34	3.32	31.75	1,547.68	957.67	1,820.01	1,813.36	6.66	273.334		
300.00	299.98	274.08	274.08	3.44	3.42	-101.32	1,547.92	957.09	1,820.25	1,813.39	6.86	265.400		
400.00	399.84	370.24	370.24	3.59	3.56	-101.46	1,547.98	956.91	1,821.25	1,814.10	7.15	254.830		
500.00	499.45	468.40	468.39	3.80	3.74	-101.70	1,548.26	956.75	1,823.16	1,815.63	7.53	242.177		
600.00	598.70	571.12	571.12	4.04	3.97	-102.04	1,548.42	956.69	1,825.79	1,817.79	8.00	228.189		
700.00	697.47	669.74	669.73	4.32	4.22	-102.44	1,548.35	956.69	1,829.09	1,820.55	8.54	214.238		
800.00	795.62	763.38	763.37	4.65	4.48	-102.91	1,548.48	956.63	1,833.44	1,824.31	9.12	200.941		
900.00	893.06	860.22	860.22	5.02	4.77	-103.46	1,548.77	956.72	1,839.00	1,829.23	9.78	188.078		
993.00	982.91	954.43	954.43	5.39	5.07	-104.07	1,548.81	956.96	1,845.05	1,834.60	10.45	176.594		
1,000.00	989.65	961.59	961.58	5.42	5.10	-104.13	1,548.81	956.97	1,845.54	1,835.04	10.50	175.755		
1,100.00	1,085.84	1,063.02	1,063.01	5.86	5.43	-104.96	1,548.62	957.01	1,852.50	1,841.24	11.27	164.406		
1,200.00	1,182.03	1,159.13	1,159.12	6.32	5.76	-105.74	1,548.27	957.01	1,859.67	1,847.62	12.05	154.341		
1,300.00	1,278.22	1,256.41	1,256.40	6.79	6.11	-106.53	1,547.98	957.03	1,867.28	1,854.42	12.86	145.201		
1,400.00	1,374.42	1,352.73	1,352.72	7.28	6.46	-107.29	1,547.52	957.14	1,875.12	1,861.43	13.69	136.991		
1,500.00	1,470.61	1,445.71	1,445.70	7.79	6.81	-108.02	1,547.18	957.32	1,883.45	1,868.93	14.52	129.720		
1,600.00	1,566.80	1,541.05	1,541.04	8.30	7.17	-108.77	1,547.01	957.46	1,892.27	1,876.90	15.37	123.093		
1,700.00	1,663.00	1,638.10	1,638.09	8.82	7.54	-109.53	1,546.84	957.46	1,901.38	1,885.13	16.24	117.053		
1,800.00	1,759.19	1,735.15	1,735.14	9.34	7.91	-110.28	1,546.65	957.54	1,910.86	1,893.73	17.12	111.591		
1,900.00	1,855.38	1,836.99	1,836.98	9.87	8.31	-111.05	1,546.19	957.72	1,920.46	1,902.43	18.03	106.508		
2,000.00	1,951.58	1,936.54	1,936.52	10.41	8.71	-111.80	1,545.53	957.75	1,930.16	1,911.22	18.94	101.933		
2,100.00	2,047.77	2,033.63	2,033.62	10.95	9.09	-112.52	1,544.83	957.70	1,940.10	1,920.27	19.83	97.814		
2,200.00	2,143.96	2,131.12	2,131.10	11.49	9.48	-113.25	1,544.13	957.53	1,950.33	1,929.59	20.74	94.039		
2,300.00	2,240.16	2,229.79	2,229.77	12.04	9.88	-113.99	1,543.45	956.97	1,960.78	1,939.13	21.65	90.557		
2,400.00	2,336.35	2,327.85	2,327.82	12.58	10.28	-114.72	1,542.71	956.16	1,971.42	1,948.86	22.57	87.365		
2,500.00	2,432.54	2,421.06	2,421.03	13.13	10.66	-115.41	1,542.07	955.33	1,982.42	1,958.96	23.46	84.507		
2,600.00	2,528.74	2,511.07	2,511.03	13.69	11.02	-116.07	1,541.67	954.52	1,993.97	1,969.63	24.34	81.927		
2,700.00	2,624.93	2,600.75	2,600.71	14.24	11.39	-116.72	1,541.57	953.72	2,006.14	1,980.93	25.22	79.558		
2,800.00	2,721.12	2,692.63	2,692.58	14.80	11.77	-117.39	1,541.69	952.98	2,018.88	1,992.77	26.10	77.340		
2,900.00	2,817.32	2,790.07	2,790.02	15.35	12.17	-118.08	1,541.88	952.28	2,031.99	2,004.97	27.02	75.209		
3,000.00	2,913.51	2,887.32	2,887.26	15.91	12.57	-118.76	1,541.99	951.58	2,045.33	2,017.39	27.93	73.227		
3,100.00	3,009.70	2,994.47	2,994.42	16.47	13.01	-119.50	1,541.79	950.91	2,058.70	2,029.80	28.89	71.252		
3,200.00	3,105.90	3,091.43	3,091.37	17.03	13.41	-120.15	1,541.28	950.29	2,072.03	2,042.22	29.81	69.515		
3,300.00	3,202.09	3,182.32	3,182.26	17.59	13.79	-120.77	1,540.92	949.64	2,085.74	2,055.05	30.69	67.961		
3,400.00	3,298.28	3,262.17	3,262.10	18.15	14.12	-121.30	1,540.99	949.02	2,100.19	2,068.67	31.52	66.637		
3,500.00	3,394.48	3,344.96	3,344.89	18.72	14.47	-121.85	1,541.75	948.45	2,115.68	2,083.33	32.35	65.391		
3,600.00	3,490.67	3,434.71	3,434.63	19.28	14.84	-122.43	1,542.89	948.12	2,131.83	2,098.61	33.23	64.163		
3,700.00	3,586.86	3,525.22	3,525.13	19.84	15.22	-123.01	1,544.24	947.81	2,148.45	2,114.35	34.10	63.007		
3,800.00	3,683.06	3,612.81	3,612.70	20.41	15.58	-123.56	1,545.82	947.77	2,165.66	2,130.70	34.96	61.955		
3,900.00	3,779.25	3,706.82	3,706.70	20.97	15.98	-124.13	1,547.73	947.75	2,183.31	2,147.47	35.85	60.908		
4,000.00	3,875.44	3,804.29	3,804.15	21.54	16.38	-124.73	1,549.72	947.66	2,201.22	2,164.46	36.76	59.889		
4,100.00	3,971.64	3,919.14	3,918.98	22.11	16.87	-125.42	1,551.55	947.24	2,218.88	2,181.12	37.76	58.764		
4,200.00	4,067.83	4,019.43	4,019.26	22.67	17.29	-126.02	1,552.70	946.51	2,236.32	2,197.64	38.68	57.811		
4,300.00	4,164.02	4,119.76	4,119.58	23.24	17.71	-126.62	1,553.59	945.70	2,253.73	2,214.12	39.61	56.903		
4,400.00	4,260.22	4,217.03	4,216.85	23.81	18.12	-127.18	1,554.34	945.10	2,271.27	2,230.75	40.51	56.063		
4,500.00	4,356.41	4,316.88	4,316.69	24.37	18.54	-127.75	1,554.97	944.48	2,288.88	2,247.45	41.43	55.243		
4,600.00	4,452.60	4,413.99	4,413.80	24.94	18.95	-128.30	1,555.49	943.87	2,306.62	2,264.28	42.34	54.482		
4,700.00	4,548.79	4,511.13	4,510.94	25.51	19.36	-128.83	1,555.94	943.45	2,324.49	2,281.25	43.24	53.756		
4,800.00	4,644.99	4,602.56	4,602.36	26.08	19.74	-129.32	1,556.44	943.08	2,342.66	2,298.54	44.11	53.106		
4,900.00	4,741.18	4,706.67	4,706.48	26.65	20.18	-129.88	1,556.93	942.69	2,360.94	2,315.88	45.06	52.401		
5,000.00	4,837.37	4,815.74	4,815.54	27.21	20.64	-130.45	1,556.96	942.20	2,378.97	2,332.95	46.02	51.689		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,933.57	4,917.72	4,917.52	27.78	21.07	-130.97	1,556.61	941.69	2,396.84	2,349.89	46.95	51.047		
5,200.00	5,029.76	5,023.31	5,023.11	28.35	21.52	-131.51	1,555.90	941.26	2,414.57	2,366.67	47.90	50.406		
5,300.00	5,125.95	5,125.04	5,124.83	28.92	21.95	-132.02	1,554.79	940.82	2,432.06	2,383.24	48.83	49.808		
5,400.00	5,222.15	5,214.40	5,214.19	29.49	22.33	-132.45	1,554.01	940.89	2,449.93	2,400.24	49.69	49.307		
5,500.00	5,318.34	5,325.25	5,325.03	30.06	22.79	-132.97	1,552.64	940.96	2,467.60	2,416.93	50.66	48.705		
5,600.00	5,414.53	5,413.59	5,413.36	30.63	23.17	-133.39	1,551.57	940.94	2,485.47	2,433.96	51.52	48.247		
5,700.00	5,510.73	5,514.26	5,514.02	31.20	23.59	-133.86	1,550.36	940.63	2,503.51	2,451.08	52.43	47.746		
5,800.00	5,606.92	5,606.08	5,605.84	31.77	23.98	-134.29	1,549.29	940.21	2,521.75	2,468.44	53.30	47.310		
5,900.00	5,703.11	5,705.92	5,705.67	32.34	24.41	-134.75	1,548.14	939.78	2,540.15	2,485.93	54.22	46.853		
6,000.00	5,799.31	5,797.40	5,797.15	32.91	24.79	-135.16	1,547.12	939.45	2,558.73	2,503.65	55.08	46.455		
6,100.00	5,895.50	5,893.54	5,893.28	33.48	25.20	-135.59	1,546.13	939.12	2,577.55	2,521.58	55.97	46.051		
6,200.00	5,991.69	5,985.19	5,984.92	34.05	25.59	-136.00	1,545.26	938.65	2,596.59	2,539.75	56.83	45.687		
6,300.00	6,087.89	6,070.95	6,070.68	34.62	25.96	-136.37	1,544.67	938.06	2,616.04	2,558.38	57.66	45.369		
6,400.00	6,184.08	6,166.22	6,165.95	35.19	26.36	-136.79	1,544.30	937.27	2,635.93	2,577.38	58.54	45.025		
6,500.00	6,280.27	6,261.28	6,261.00	35.77	26.76	-137.20	1,543.87	936.59	2,655.88	2,596.46	59.42	44.693		
6,535.30	6,314.23	6,293.78	6,293.50	35.97	26.90	-137.33	1,543.75	936.35	2,662.99	2,603.26	59.73	44.584		
6,550.00	6,328.40	6,307.34	6,307.06	36.05	26.96	-141.09	1,543.70	936.24	2,665.95	2,606.09	59.86	44.540		
6,600.00	6,377.01	6,352.00	6,351.72	36.31	27.15	-157.35	1,543.59	935.91	2,675.89	2,615.62	60.26	44.404		
6,650.00	6,426.00	6,397.27	6,396.99	36.54	27.34	-179.29	1,543.55	935.60	2,685.57	2,624.92	60.65	44.276		
6,700.00	6,475.08	6,447.21	6,446.93	36.73	27.56	157.02	1,543.53	935.29	2,694.89	2,633.83	61.06	44.133		
6,750.00	6,523.94	6,497.24	6,496.96	36.90	27.77	137.70	1,543.50	935.00	2,703.75	2,642.28	61.47	43.988		
6,800.00	6,572.28	6,543.29	6,543.01	37.05	27.96	124.34	1,543.47	934.78	2,712.14	2,650.30	61.85	43.852		
6,850.00	6,619.81	6,588.34	6,588.05	37.19	28.16	115.38	1,543.50	934.61	2,720.10	2,657.86	62.23	43.709		
6,900.00	6,666.23	6,634.68	6,634.39	37.32	28.35	109.27	1,543.56	934.45	2,727.59	2,664.95	62.64	43.544		
6,950.00	6,711.25	6,680.51	6,680.22	37.46	28.55	104.95	1,543.60	934.25	2,734.62	2,671.56	63.06	43.363		
7,000.00	6,754.60	6,723.19	6,722.91	37.61	28.73	101.80	1,543.63	934.03	2,741.22	2,677.73	63.49	43.176		
7,050.00	6,796.01	6,762.85	6,762.56	37.77	28.90	99.45	1,543.69	933.82	2,747.46	2,683.53	63.92	42.980		
7,100.00	6,835.22	6,800.45	6,800.17	37.94	29.06	97.65	1,543.76	933.61	2,753.40	2,689.02	64.38	42.769		
7,150.00	6,871.99	6,839.00	6,838.71	38.12	29.22	96.32	1,543.84	933.45	2,759.08	2,694.21	64.87	42.530		
7,200.00	6,906.10	6,874.62	6,874.33	38.34	29.37	95.28	1,543.90	933.38	2,764.56	2,699.16	65.39	42.276		
7,250.00	6,937.34	6,907.11	6,906.82	38.57	29.51	94.45	1,543.93	933.38	2,769.89	2,703.96	65.94	42.008		
7,300.00	6,965.51	6,933.56	6,933.27	38.84	29.62	93.73	1,543.97	933.37	2,775.19	2,708.70	66.49	41.738		
7,350.00	6,990.44	6,957.52	6,957.23	39.14	29.72	93.12	1,544.01	933.35	2,780.51	2,713.43	67.08	41.451		
7,400.00	7,011.97	6,978.28	6,977.99	39.47	29.81	92.57	1,544.05	933.31	2,785.90	2,718.20	67.70	41.152		
7,450.00	7,029.98	6,995.71	6,995.42	39.85	29.89	92.06	1,544.09	933.27	2,791.41	2,723.07	68.34	40.844		
7,500.00	7,044.34	7,010.10	7,009.81	40.26	29.95	91.57	1,544.13	933.23	2,797.07	2,728.06	69.02	40.528		
7,550.00	7,054.99	7,020.89	7,020.61	40.72	29.99	91.08	1,544.16	933.21	2,802.90	2,733.20	69.71	40.210		
7,600.00	7,061.83	7,027.86	7,027.57	41.21	30.02	90.57	1,544.18	933.20	2,808.90	2,738.50	70.41	39.896		
7,650.00	7,064.85	7,030.96	7,030.67	41.73	30.04	90.03	1,544.18	933.19	2,815.07	2,743.96	71.11	39.589		
7,661.89	7,065.00	7,031.13	7,030.84	41.86	30.04	89.90	1,544.18	933.19	2,816.56	2,745.28	71.27	39.518		
7,700.00	7,065.13	7,031.32	7,031.04	42.28	30.04	89.90	1,544.18	933.19	2,821.59	2,749.78	71.81	39.291		
7,800.00	7,065.47	7,031.83	7,031.54	43.53	30.04	89.91	1,544.19	933.19	2,837.19	2,763.89	73.30	38.704		
7,900.00	7,065.82	7,032.34	7,032.05	44.94	30.04	89.92	1,544.19	933.19	2,856.21	2,781.33	74.88	38.145		
8,000.00	7,066.16	7,032.84	7,032.55	46.50	30.04	89.93	1,544.19	933.19	2,878.58	2,802.07	76.51	37.625		
8,100.00	7,066.50	7,033.33	7,033.05	48.19	30.05	89.94	1,544.19	933.19	2,904.22	2,826.05	78.17	37.151		
8,200.00	7,066.85	7,033.83	7,033.54	50.00	30.05	89.95	1,544.19	933.19	2,933.05	2,853.19	79.86	36.729		
8,300.00	7,067.19	7,034.32	7,034.03	51.91	30.05	89.96	1,544.19	933.19	2,964.97	2,883.43	81.54	36.362		
8,400.00	7,067.54	7,034.80	7,034.51	53.92	30.05	89.97	1,544.19	933.19	2,999.89	2,916.68	83.21	36.051		
8,500.00	7,067.88	7,035.29	7,035.00	56.01	30.05	89.98	1,544.19	933.19	3,037.70	2,952.84	84.86	35.798		
8,600.00	7,068.22	7,035.77	7,035.48	58.16	30.06	89.99	1,544.19	933.18	3,078.30	2,991.83	86.47	35.601		
8,700.00	7,068.57	7,036.24	7,035.95	60.38	30.06	90.00	1,544.20	933.18	3,121.57	3,033.53	88.03	35.458		
8,800.00	7,068.91	7,036.71	7,036.43	62.65	30.06	90.01	1,544.20	933.18	3,167.41	3,077.85	89.55	35.368		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,900.00	7,069.25	7,037.18	7,036.90	64.97	30.06	90.02	1,544.20	933.18	3,215.70	3,124.68	91.02	35.329 SF		
9,000.00	7,069.60	7,037.65	7,037.36	67.34	30.06	90.03	1,544.20	933.18	3,266.35	3,173.91	92.43	35.337		
9,100.00	7,069.94	7,038.11	7,037.83	69.74	30.07	90.04	1,544.20	933.18	3,319.23	3,225.44	93.79	35.390		
9,200.00	7,070.28	7,038.57	7,038.29	72.18	30.07	90.05	1,544.20	933.18	3,374.25	3,279.16	95.09	35.486		
9,300.00	7,070.63	7,039.03	7,038.74	74.65	30.07	90.06	1,544.20	933.18	3,431.30	3,334.98	96.33	35.622		
9,400.00	7,070.97	7,039.48	7,039.20	77.15	30.07	90.07	1,544.20	933.18	3,490.29	3,392.78	97.51	35.795		
9,500.00	7,071.32	7,039.94	7,039.65	79.67	30.07	90.08	1,544.20	933.18	3,551.11	3,452.48	98.63	36.004		
9,600.00	7,071.66	7,040.38	7,040.10	82.22	30.08	90.09	1,544.21	933.18	3,613.68	3,513.98	99.70	36.245		
9,700.00	7,072.00	7,040.83	7,040.54	84.78	30.08	90.10	1,544.21	933.18	3,677.90	3,577.18	100.72	36.518		
9,800.00	7,072.35	7,041.27	7,040.98	87.37	30.08	90.11	1,544.21	933.18	3,743.69	3,642.01	101.68	36.819		
9,900.00	7,072.69	7,041.71	7,041.42	89.97	30.08	90.12	1,544.21	933.18	3,810.97	3,708.38	102.59	37.147		
10,000.00	7,073.03	7,042.14	7,041.86	92.59	30.08	90.12	1,544.21	933.18	3,879.66	3,776.20	103.46	37.500		
10,100.00	7,073.38	7,042.58	7,042.29	95.22	30.09	90.13	1,544.21	933.18	3,949.69	3,845.41	104.28	37.877		
10,200.00	7,073.72	7,043.01	7,042.72	97.86	30.09	90.14	1,544.21	933.17	4,020.98	3,915.93	105.05	38.276		
10,300.00	7,074.07	7,043.43	7,043.15	100.52	30.09	90.15	1,544.21	933.17	4,093.48	3,987.69	105.79	38.695		
10,400.00	7,074.41	7,043.86	7,043.57	103.19	30.09	90.16	1,544.21	933.17	4,167.12	4,060.63	106.48	39.134		
10,500.00	7,074.75	7,044.28	7,043.99	105.87	30.09	90.17	1,544.22	933.17	4,241.83	4,134.69	107.14	39.591		
10,600.00	7,075.10	7,044.70	7,044.41	108.55	30.09	90.18	1,544.22	933.17	4,317.57	4,209.80	107.76	40.065		
10,700.00	7,075.44	7,045.12	7,044.83	111.25	30.10	90.19	1,544.22	933.17	4,394.28	4,285.92	108.35	40.555		
10,800.00	7,075.78	7,045.53	7,045.24	113.96	30.10	90.19	1,544.22	933.17	4,471.91	4,362.99	108.91	41.059		
10,900.00	7,076.13	7,045.94	7,045.65	116.67	30.10	90.20	1,544.22	933.17	4,550.41	4,440.96	109.44	41.578		
11,000.00	7,076.47	7,046.35	7,046.06	119.39	30.10	90.21	1,544.22	933.17	4,629.74	4,519.79	109.95	42.109		
11,100.00	7,076.81	7,046.75	7,046.47	122.11	30.10	90.22	1,544.22	933.17	4,709.86	4,599.43	110.42	42.654		
11,200.00	7,077.16	7,047.16	7,046.87	124.85	30.10	90.23	1,544.22	933.17	4,790.72	4,679.85	110.87	43.209		
11,300.00	7,077.50	7,047.56	7,047.27	127.58	30.11	90.24	1,544.22	933.17	4,872.30	4,761.00	111.30	43.776		
11,400.00	7,077.85	7,047.96	7,047.67	130.33	30.11	90.24	1,544.22	933.17	4,954.55	4,842.84	111.71	44.353		
11,500.00	7,078.19	7,048.35	7,048.06	133.08	30.11	90.25	1,544.22	933.17	5,037.44	4,925.35	112.09	44.940		
11,600.00	7,078.53	7,048.74	7,048.46	135.83	30.11	90.26	1,544.23	933.17	5,120.95	5,008.49	112.46	45.536		
11,700.00	7,078.88	7,049.13	7,048.85	138.59	30.11	90.27	1,544.23	933.17	5,205.03	5,092.22	112.81	46.140		
11,800.00	7,079.22	7,049.52	7,049.23	141.35	30.11	90.28	1,544.23	933.17	5,289.67	5,176.53	113.14	46.753		
11,900.00	7,079.56	7,049.91	7,049.62	144.11	30.12	90.28	1,544.23	933.17	5,374.84	5,261.38	113.46	47.373		
12,000.00	7,079.91	7,050.29	7,050.00	146.88	30.12	90.29	1,544.23	933.17	5,460.51	5,346.75	113.76	48.001		
12,100.00	7,080.25	7,050.67	7,050.38	149.66	30.12	90.30	1,544.23	933.17	5,546.66	5,432.61	114.05	48.636		
12,200.00	7,080.60	7,051.05	7,050.76	152.43	30.12	90.31	1,544.23	933.17	5,633.27	5,518.95	114.32	49.277		
12,300.00	7,080.94	7,051.43	7,051.14	155.21	30.12	90.31	1,544.23	933.17	5,720.31	5,605.73	114.58	49.924		
12,400.00	7,081.28	7,051.80	7,051.51	157.99	30.12	90.32	1,544.23	933.17	5,807.77	5,692.94	114.83	50.577		
12,500.00	7,081.63	7,052.17	7,051.88	160.78	30.13	90.33	1,544.23	933.16	5,895.63	5,780.56	115.07	51.236		
12,600.00	7,081.97	7,052.54	7,052.25	163.57	30.13	90.34	1,544.23	933.16	5,983.87	5,868.58	115.30	51.900		
12,700.00	7,082.31	7,052.91	7,052.62	166.36	30.13	90.35	1,544.24	933.16	6,072.48	5,956.96	115.52	52.569		
12,800.00	7,082.66	7,053.27	7,052.98	169.15	30.13	90.35	1,544.24	933.16	6,161.43	6,045.71	115.72	53.242		
12,900.00	7,083.00	7,053.63	7,053.35	171.94	30.13	90.36	1,544.24	933.16	6,250.72	6,134.80	115.93	53.920		
13,000.00	7,083.35	7,053.99	7,053.71	174.74	30.13	90.37	1,544.24	933.16	6,340.33	6,224.21	116.12	54.602		
13,100.00	7,083.69	7,054.35	7,054.07	177.54	30.14	90.37	1,544.24	933.16	6,430.24	6,313.94	116.30	55.289		
13,200.00	7,084.03	7,054.71	7,054.42	180.34	30.14	90.38	1,544.24	933.16	6,520.45	6,403.97	116.48	55.979		
13,300.00	7,084.38	7,055.06	7,054.77	183.14	30.14	90.39	1,544.24	933.16	6,610.94	6,494.29	116.65	56.673		
13,400.00	7,084.72	7,055.41	7,055.13	185.95	30.14	90.40	1,544.24	933.16	6,701.70	6,584.89	116.82	57.370		
13,500.00	7,085.06	7,055.76	7,055.48	188.76	30.14	90.40	1,544.24	933.16	6,792.72	6,675.75	116.97	58.070		
13,600.00	7,085.41	7,056.11	7,055.82	191.56	30.14	90.41	1,544.24	933.16	6,883.99	6,766.87	117.13	58.774		
13,700.00	7,085.75	7,056.46	7,056.17	194.37	30.14	90.42	1,544.24	933.16	6,975.50	6,858.23	117.27	59.480		
13,800.00	7,086.09	7,056.80	7,056.51	197.18	30.15	90.43	1,544.24	933.16	7,067.24	6,949.82	117.42	60.190		
13,900.00	7,086.44	7,057.14	7,056.85	200.00	30.15	90.43	1,544.25	933.16	7,159.20	7,041.65	117.55	60.902		
14,000.00	7,086.78	7,057.48	7,057.19	202.81	30.15	90.44	1,544.25	933.16	7,251.37	7,133.69	117.69	61.616		

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 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
14,100.00	7,087.13	7,057.82	7,057.53	205.63	30.15	90.45	1,544.25	933.16	7,343.75	7,225.93	117.81	62.333		
14,200.00	7,087.47	7,058.15	7,057.87	208.44	30.15	90.45	1,544.25	933.16	7,436.32	7,318.38	117.94	63.052		
14,300.00	7,087.81	7,058.49	7,058.20	211.26	30.15	90.46	1,544.25	933.16	7,529.09	7,411.03	118.06	63.774		
14,400.00	7,088.16	7,058.82	7,058.53	214.08	30.15	90.47	1,544.25	933.16	7,622.04	7,503.86	118.18	64.497		
14,500.00	7,088.50	7,059.15	7,058.86	216.90	30.16	90.47	1,544.25	933.16	7,715.16	7,596.87	118.29	65.222		
14,600.00	7,088.84	7,059.48	7,059.19	219.72	30.16	90.48	1,544.25	933.16	7,808.45	7,690.05	118.40	65.950		
14,700.00	7,089.19	7,059.80	7,059.51	222.54	30.16	90.49	1,544.25	933.16	7,901.91	7,783.40	118.51	66.679		
14,800.00	7,089.53	7,060.13	7,059.84	225.37	30.16	90.49	1,544.25	933.16	7,995.53	7,876.92	118.61	67.409		
14,900.00	7,089.88	7,060.45	7,060.16	228.19	30.16	90.50	1,544.25	933.16	8,089.30	7,970.58	118.71	68.141		
15,000.00	7,090.22	7,060.77	7,060.48	231.02	30.16	90.51	1,544.25	933.16	8,183.21	8,064.40	118.81	68.875		
15,100.00	7,090.56	7,061.09	7,060.80	233.84	30.16	90.51	1,544.25	933.16	8,277.27	8,158.36	118.91	69.610		
15,200.00	7,090.91	7,061.40	7,061.12	236.67	30.17	90.52	1,544.25	933.16	8,371.47	8,252.46	119.00	70.346		
15,227.29	7,091.00	7,061.49	7,061.20	237.44	30.17	90.52	1,544.25	933.16	8,397.20	8,278.17	119.03	70.548		
15,300.00	7,091.25	7,061.72	7,061.43	239.49	30.17	90.58	1,544.26	933.16	8,466.10	8,347.00	119.09	71.088		
15,326.57	7,091.35	7,061.80	7,061.51	240.24	30.17	90.61	1,544.26	933.16	8,491.43	8,372.32	119.12	71.287		
15,400.00	7,091.60	7,062.03	7,061.74	242.30	30.17	90.61	1,544.26	933.16	8,561.59	8,442.42	119.17	71.841		
15,500.00	7,091.96	7,062.34	7,062.06	245.12	30.17	90.62	1,544.26	933.16	8,657.22	8,537.97	119.25	72.596		
15,600.00	7,092.31	7,062.65	7,062.36	247.93	30.17	90.63	1,544.26	933.16	8,752.95	8,633.62	119.33	73.351		
15,700.00	7,092.66	7,062.96	7,062.67	250.75	30.17	90.63	1,544.26	933.16	8,848.77	8,729.37	119.41	74.107		
15,800.00	7,093.01	7,063.27	7,062.98	253.56	30.17	90.64	1,544.26	933.16	8,944.69	8,825.21	119.48	74.864		
15,900.00	7,093.36	7,063.57	7,063.28	256.38	30.17	90.65	1,544.26	933.16	9,040.69	8,921.14	119.55	75.621		
16,000.00	7,093.71	7,063.87	7,063.59	259.20	30.18	90.65	1,544.26	933.16	9,136.78	9,017.16	119.62	76.379		
16,100.00	7,094.07	7,064.18	7,063.89	262.02	30.18	90.66	1,544.26	933.16	9,232.95	9,113.26	119.70	77.137		
16,200.00	7,094.42	7,064.48	7,064.19	264.84	30.18	90.67	1,544.26	933.16	9,329.21	9,209.44	119.77	77.895		
16,300.00	7,094.77	7,064.77	7,064.49	267.65	30.18	90.68	1,544.26	933.16	9,425.54	9,305.70	119.83	78.654		
16,400.00	7,095.12	7,065.07	7,064.78	270.47	30.18	90.68	1,544.26	933.16	9,521.95	9,402.04	119.90	79.414		
16,500.00	7,095.47	7,065.36	7,065.08	273.30	30.18	90.69	1,544.26	933.16	9,618.43	9,498.45	119.97	80.173		
16,600.00	7,095.82	7,065.66	7,065.37	276.12	30.18	90.70	1,544.26	933.16	9,714.98	9,594.94	120.04	80.933		
16,700.00	7,096.18	7,065.95	7,065.66	278.94	30.18	90.70	1,544.27	933.16	9,811.60	9,691.49	120.10	81.693		
16,800.00	7,096.53	7,066.24	7,065.95	281.76	30.19	90.71	1,544.27	933.16	9,908.28	9,788.12	120.17	82.454		

Company: Synergy Resources Corporation
Project: SEC 12-13 T6N R66W
Reference Site: Falken 9-11 PAD
Site Error: 3.28 ft
Reference Well: Falken 16N-9B-L
Well Error: 3.28 ft
Reference Wellbore: OH
Reference Design: Plan #1

Local Co-ordinate Reference: Well Falken 16N-9B-L
TVD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
MD Reference: GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.45 sigma
Database: EDM 5000.14 Single User Db
Offset TVD Reference: Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft (ASSU

Offset Depths are relative to Offset Datum

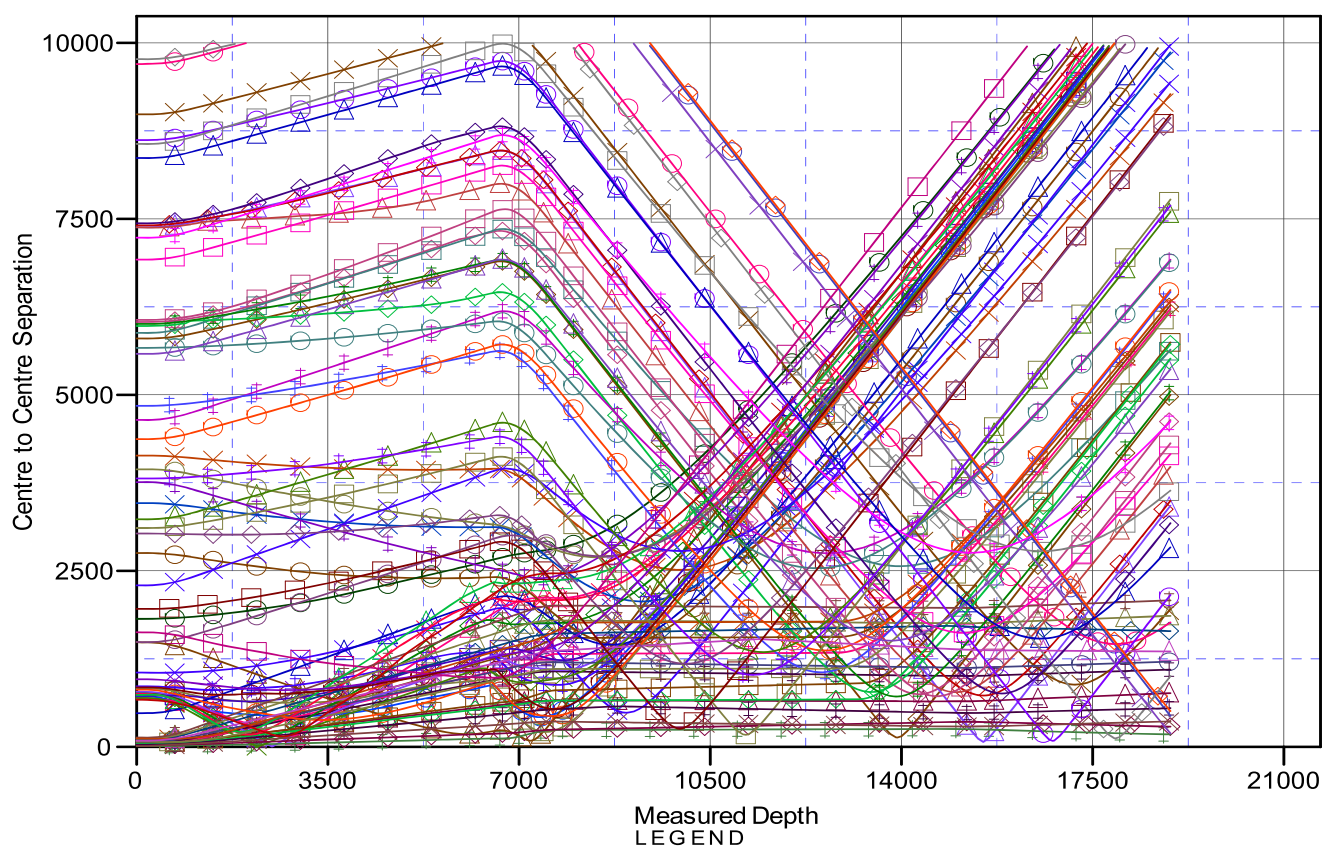
Central Meridian is -105.5000000

Coordinates are relative to: Falken 16N-9B-L

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.49°

Ladder Plot



LEGEND
 Fagerberg 15N-7A-M, OH, OH V0
 CARLSON #14-2(S), OH, OH V0
 Falken 31N-14B-S, OH, Plan#1 V0
 Fagerberg 6C-7-M, OH, OH V0
 Falken 4N-14C-S, OH, Plan #1 V0
 ANDERSON #1-10-6-66(PA), OH, OH V0
 Harvesters Resources #15R-323(PR), OH, OH V0
 CARLSON #14-1(PR), OH, OH V0
 OTTOSON #3(PR), OH, OH V0
 Falken 33N-9A-L, OH, Plan#1 V0
 Montera #10-34(PR), OH, OH V0
 Fagerberg 36N-7B-M, OH, OH V0
 ANDERSON #42-10(PR), OH, OH V0
 SOUTHARD #2(PR), OH, OH V0
 MONTERA #14-8, OH, OH V0
 Harvesters Resources #15M-423(PR), OH, OH V0
 POP #14-17, OH, OH V0
 Fagerberg 29N(S)-7B-M, OH, OH V0
 JOHNSON #11-16G(TA), OH, OH V0
 Fagerberg 28N-18B-M, OH, OH V0
 Fagerberg 11C-7-M, OH, OH V0
 BLACKGOLD #5(PR), OH, OH V0
 Falken 33C-9-L, OH, Plan #1 V0
 Merrit#6-66-9-0857BH(PR), OH, OH V0
 Falken 30C-14-S, OH, Plan#1 V0
 Falken 33N-9B-L, OH, Plan#1 V0
 Harvesters Resources #15U-203(PR), OH, OH V0
 JOHNSON #2(PA), OH, OH V0
 OPAL #1(PA), OH, OH V0
 Fagerberg 11N-7A-M, OH, OH V0
 Falken 30N-14B-S, OH, Plan#1 V0
 BLACKGOLD PETROLEUM #2(S), OH, OH V0
 Fagerberg 25N-7C-M, OH, OH V0
 Falken 9N-9C-L, OH, Plan #1 V0
 Falken 32N-9B-L, OH, Plan #1 V0
 Falken 32C-9-L, OH, Plan #1 V0
 KRISTY #1(PA), OH, OH V0
 Harvesters Resources #15R-243(PR), OH, OH V0
 Harvesters Resources #15R-403(PR), OH, OH V0
 Fagerberg 23N-7C-M, OH, OH V0
 Harvesters Resources #15U-443(PR), OH, OH V0
 Montera #10-33(PR), OH, OH V0
 BLACKGOLD PETROLEUM #1(PR), OH, OH V0
 GILLESPIE #11-1(PA), OH, OH V0
 ANDERSON #JANUARY #1(PR), OH, OH V0
 Falken 34N-9C-L, OH, Plan #1 V0
 MONTERA #11-11(PR), OH, OH V0
 OTTOSON #2(PA), OH, OH V0
 MONTERA #11-14(PR), OH, OH V0
 Falken 33N-9C-L, OH, Plan #1 V0
 J.R. #1(PA), OH, OH V0
 Falken 4N-14A-S, OH, Plan#1 V0
 146 COMPANY #14-1, OH, OH V0
 Merrit#6-66-9-0857CH(PR), OH, OH V0
 Falken 9C-9-L, OH, Plan #1 V0
 BLACKGOLD #3(PA), OH, OH V0
 Harvesters Resources #15M-303(PR), OH, OH V0
 Fagerberg 6N-7C-M, OH, OH V0
 Jet#1, OH, OH V0
 CARLSON #10-1(PA), OH, OH V0
 Montera #10-43(S), OH, OH V0
 ANDERSON #32-10(PR), OH, OH V0
 JOHNSON #1(PA), OH, OH V0
 MICHAEL #14-2, OH, OH V0
 OTTOSON #12-12(PR), OH, OH V0
 OTTOSON #12-25(PR), OH, OH V0
 Merrit#6-66-9-0758CDH(PR), OH, OH V0
 SOUTH WOODS #10-3(PA), OH, OH V0
 Fagerberg 36C-7-M, OH, OH V0

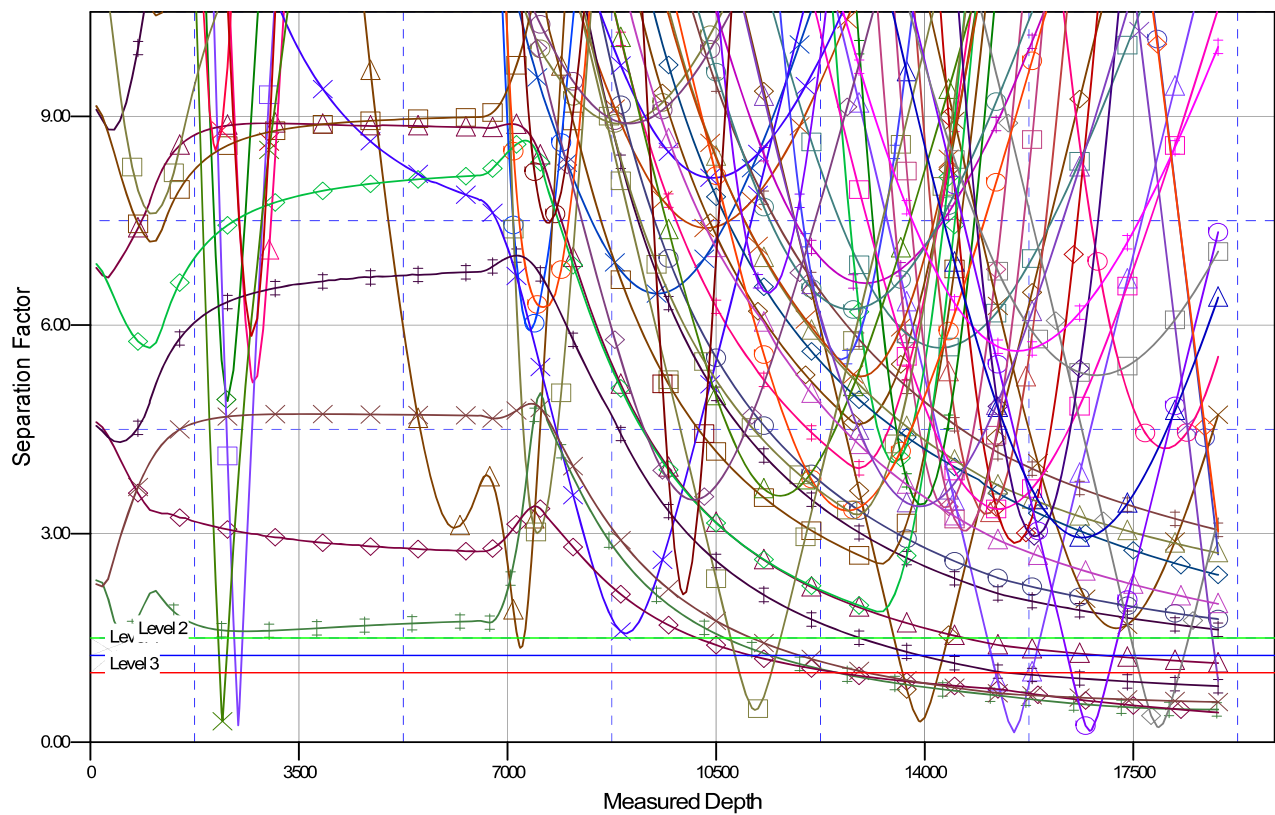
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 16N-9B-L
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (ASSUMED)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 16N-9B-L	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 4810 & KB 20 @ 4830.00ft (ASSU)
Offset Depths are relative to Offset Datum
Central Meridian is -105.5000000

Coordinates are relative to: Falken 16N-9B-L
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°

Separation Factor Plot



LEGEND

Fagerberg 15N-7A-M, OH, OH V0	Merrit#6-66-9-0857BH(PR), OH, OH V0	MONTERAI#11-11(PR), OH, OH V0
CARLSON #14-2(SI), OH, OH V0	Falken 30C-14-S, OH, Plan#1 V0	OTTOSON #2(PA), OH, OH V0
Falken 31N-14B-S, OH, Plan#1 V0	Falken 33N-9B-L, OH, Plan#1 V0	MONTERAI#11-14(PR), OH, OH V0
Fagerberg 6C-7-M, OH, OH V0	Harvesters Resources #15U-203(PR), OH, OH V0	Falken 33N-9C-L, OH, Plan#1 V0
Falken 4N-14C-S, OH, Plan#1 V0	JOHNSON #2(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
ANDERSON #1-10-6-66(PA), OH, OH V0	OPAL #1(PA), OH, OH V0	Falken 4N-14A-S, OH, Plan#1 V0
Harvesters Resources #15R-323(PR), OH, OH V0	Fagerberg 11N-7A-M, OH, OH V0	146 COMPANY #14-1, OH, OH V0
CARLSON #14-1(PR), OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Merrit#6-66-9-0857CH(PR), OH, OH V0
OTTOSON #3(PR), OH, OH V0	BLACK GOLD PETROLEUM #2(SI), OH, OH V0	Falken 9C-9-L, OH, Plan#1 V0
Falken 33N-9A-L, OH, Plan#1 V0	Fagerberg 25N-7C-M, OH, OH V0	BLACKGOLD #3(PA), OH, OH V0
Montera #10-34(PR), OH, OH V0	Falken 9N-9C-L, OH, Plan#1 V0	Harvesters Resources #15M-303(PR), OH, OH V0
Fagerberg 36N-7B-M, OH, OH V0	Falken 32N-9B-L, OH, Plan#1 V0	Fagerberg 6N-7C-M, OH, OH V0
ANDERSON #42-10(PR), OH, OH V0	Falken 32C-9-L, OH, Plan#1 V0	Jeff#1, OH, OH V0
SOUTHARD #2(PR), OH, OH V0	KRISTY #1(PA), OH, OH V0	CARLSON #10-1(PA), OH, OH V0
MONTERAI#14-8, OH, OH V0	Harvesters Resources #15R-243(PR), OH, OH V0	Montera #10-43(SI), OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0	Harvesters Resources #15R-403(PR), OH, OH V0	ANDERSON #32-10(PR), OH, OH V0
POP#14-17, OH, OH V0	Fagerberg 23N-7C-M, OH, OH V0	JOHNSON #1(PA), OH, OH V0
Fagerberg 25N(SI)-7B-M, OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	MICHAEL #14-2, OH, OH V0
JOHNSON #11-16G(TA), OH, OH V0	Montera #10-33(PR), OH, OH V0	OTTOSON #12-12(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	GILLESPIE #11-1(PA), OH, OH V0	Merrit#6-66-9-0758CDH(PR), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	ANDERSON/JANUARY#11(PR), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
Falken 33C-9-L, OH, Plan#1 V0	Falken 34N-9C-L, OH, Plan#1 V0	Fagerberg 36C-7-M, OH, OH V0