



Synergy Resources Corporation

**SEC 12-13 T6N R66W
Falken 9-11 PAD
Falken 4N-14A-S**

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors 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	4/25/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	13,001.50	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	12,642.90	6,936.10	1,431.06	1,030.06	3.569	CC
146 COMPANY #14-1 - OH - OH	12,700.00	6,936.24	1,432.20	1,029.98	3.561	ES, SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,002.01	6,975.00	1,665.21	1,297.00	4.522	CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	13,002.01	7,013.00	4,596.78	4,211.63	11.935	CC, ES, SF
ANDERSON #42-10(PR) - OH - OH	13,002.01	7,003.00	3,851.53	3,447.22	9.526	CC, ES, SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,788.11	7,004.54	2,478.49	2,071.06	6.083	CC
ANDERSON/JANUARY #1(PR) - OH - OH	12,900.00	7,004.26	2,481.01	2,070.35	6.042	ES
ANDERSON/JANUARY #1(PR) - OH - OH	13,002.01	7,004.00	2,487.70	2,074.39	6.019	SF
BLACK GOLD #5(PR) - OH - OH	13,002.01	7,005.00	4,796.33	4,478.99	15.114	CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	13,002.01	6,986.00	5,237.36	4,942.56	17.766	CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	13,002.01	6,963.57	5,720.62	5,612.14	52.733	CC, ES, SF
BLACKGOLD #3(PA) - OH - OH	13,002.01	6,987.00	4,115.64	3,814.53	13.668	CC, ES, SF
CARLSON #10-1(PA) - OH - OH	13,002.01	7,001.00	5,440.90	5,078.00	14.993	CC, ES, SF
CARLSON #14-1(PR) - OH - OH	9,041.16	6,961.79	347.50	252.62	3.663	CC, ES, SF
CARLSON #14-2(SI) - OH - OH	10,149.42	6,925.82	1,409.86	1,076.88	4.234	CC
CARLSON #14-2(SI) - OH - OH	10,200.00	6,925.94	1,410.77	1,076.79	4.224	ES
CARLSON #14-2(SI) - OH - OH	10,300.00	6,926.19	1,417.88	1,082.19	4.224	SF
Fagerberg 11C-7-M - OH - OH	2,124.51	2,038.53	176.31	156.31	8.816	CC, ES
Fagerberg 11C-7-M - OH - OH	2,200.00	2,101.80	181.49	160.81	8.774	SF
Fagerberg 11N-7A-M - OH - OH	1,902.21	1,842.19	177.27	158.47	9.427	CC, ES
Fagerberg 11N-7A-M - OH - OH	2,000.00	1,923.40	185.03	165.39	9.422	SF
Fagerberg 15N-7A-M - OH - OH	3,145.70	2,994.35	51.16	19.51	1.617	CC, ES, SF
Fagerberg 23N-7C-M - OH - OH	2,851.60	2,711.80	97.38	69.10	3.443	CC, ES, SF
Fagerberg 25N(S)-7B-M - OH - OH	1,928.64	1,855.04	250.60	231.83	13.347	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	2,000.00	1,914.48	253.86	234.38	13.035	SF
Fagerberg 25N-7B-M - OH - OH	1,675.96	1,633.16	321.82	304.89	19.001	CC, ES
Fagerberg 25N-7B-M - OH - OH	1,800.00	1,723.17	332.34	314.30	18.425	SF
Fagerberg 25N-7C-M - OH - OH	1,769.28	1,713.29	299.53	282.29	17.384	CC, ES
Fagerberg 25N-7C-M - OH - OH	1,900.00	1,823.73	309.14	290.65	16.718	SF
Fagerberg 28N-18B-M - OH - OH	7,965.26	7,171.52	221.71	144.95	2.888	CC, ES, SF
Fagerberg 36C-7-M - OH - OH	3,772.89	3,556.00	355.59	317.16	9.253	CC
Fagerberg 36C-7-M - OH - OH	3,800.00	3,581.22	355.70	316.89	9.167	ES
Fagerberg 36C-7-M - OH - OH	7,900.00	7,119.63	564.34	489.50	7.541	SF
Fagerberg 36N-7B-M - OH - OH	3,418.10	3,221.20	221.58	187.40	6.483	CC
Fagerberg 36N-7B-M - OH - OH	3,500.00	3,302.24	222.67	187.27	6.290	ES

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
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Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Falken 9-11 PAD						
Fagerberg 36N-7B-M - OH - OH	3,700.00	3,494.18	232.13	193.95	6.080	SF
Fagerberg 3C-18-M - OH - OH	7,943.48	7,213.25	167.28	86.33	2.067	CC, ES, SF
Fagerberg 6C-7-M - OH - OH	2,309.18	2,192.38	294.57	272.22	13.179	CC, ES
Fagerberg 6C-7-M - OH - OH	2,400.00	2,264.34	298.81	275.63	12.892	SF
Fagerberg 6N-7C-M - OH - OH	2,222.11	2,109.39	314.17	292.74	14.662	CC, ES
Fagerberg 6N-7C-M - OH - OH	2,400.00	2,256.81	326.99	303.94	14.189	SF
Falken 16C-9-L - OH - Plan #1	300.00	300.00	89.99	83.10	13.061	CC, ES
Falken 16C-9-L - OH - Plan #1	13,002.01	12,950.46	1,399.69	1,062.95	4.157	SF
Falken 16N-9B-L - OH - Plan #1	569.67	575.37	70.49	62.54	8.873	CC
Falken 16N-9B-L - OH - Plan #1	600.00	606.08	70.54	62.44	8.710	ES
Falken 16N-9B-L - OH - Plan #1	13,002.01	12,816.23	1,113.54	773.58	3.276	SF
Falken 30C-14-S - OH - Plan #1	557.06	557.83	9.40	1.56	1.199	Level 2, CC
Falken 30C-14-S - OH - Plan #1	600.00	600.74	9.54	1.49	1.185	Level 2, ES, SF
Falken 30N-14B-S - OH - Plan #1	721.84	724.55	21.61	12.85	2.466	CC
Falken 30N-14B-S - OH - Plan #1	800.00	802.82	21.91	12.66	2.368	ES
Falken 30N-14B-S - OH - Plan #1	13,002.01	12,956.41	453.89	122.21	1.368	Level 3, SF
Falken 31C-14-S - Plan #1 - Plan #1	300.00	300.00	45.17	38.29	6.557	CC
Falken 31C-14-S - Plan #1 - Plan #1	700.00	694.37	46.20	37.58	5.359	ES
Falken 31C-14-S - Plan #1 - Plan #1	13,002.01	13,481.54	723.28	413.24	2.333	SF
Falken 31N-14B-S - OH - Plan #1	300.00	300.00	30.24	23.35	4.389	CC
Falken 31N-14B-S - OH - Plan #1	900.00	894.39	32.12	22.22	3.244	ES
Falken 31N-14B-S - OH - Plan #1	13,002.01	13,257.76	468.45	142.12	1.436	Level 3, SF
Falken 32C-9-L - OH - Plan #1	200.00	200.00	209.85	203.17	31.442	CC, ES
Falken 32C-9-L - OH - Plan #1	13,002.01	12,927.28	3,097.80	2,758.34	9.126	SF
Falken 32N-9B-L - OH - Plan #1	300.00	300.00	194.91	188.02	28.290	CC, ES
Falken 32N-9B-L - OH - Plan #1	13,002.01	12,746.73	2,878.52	2,538.11	8.456	SF
Falken 33C-9-L - OH - Plan #1	300.00	300.00	119.86	112.97	17.397	CC, ES
Falken 33C-9-L - OH - Plan #1	13,002.01	12,910.16	1,760.48	1,422.35	5.207	SF
Falken 33N-9A-L - OH - Plan #1	320.89	321.76	134.47	127.53	19.363	CC, ES
Falken 33N-9A-L - OH - Plan #1	13,002.01	12,605.79	2,127.84	1,787.68	6.255	SF
Falken 33N-9B-L - OH - Plan #1	300.00	300.00	149.73	142.84	21.732	CC, ES
Falken 33N-9B-L - OH - Plan #1	13,002.01	12,742.32	2,259.04	1,917.78	6.620	SF
Falken 33N-9C-L - OH - Plan #1	418.09	421.77	103.05	95.78	14.175	CC, ES
Falken 33N-9C-L - OH - Plan #1	13,002.01	12,831.85	1,630.02	1,289.86	4.792	SF
Falken 34C-9-L - OH - Plan #1	300.00	300.00	59.75	52.86	8.672	CC
Falken 34C-9-L - OH - Plan #1	400.00	401.52	59.97	52.77	8.329	ES
Falken 34C-9-L - OH - Plan #1	13,002.01	13,016.42	957.64	625.79	2.886	SF
Falken 34N-9C-L - OH - Plan #1	601.49	605.05	39.40	31.31	4.868	CC, ES
Falken 34N-9C-L - OH - Plan #1	13,002.01	12,927.66	807.72	471.04	2.399	SF
Falken 4N-14C-S - OH - Plan #1	200.00	200.00	14.93	8.26	2.237	CC, ES
Falken 4N-14C-S - OH - Plan #1	13,002.01	13,209.29	294.51	30.79	1.117	Level 2, SF
Falken 9C-9-L - OH - Plan #1	246.49	246.49	165.04	158.28	24.414	CC
Falken 9C-9-L - OH - Plan #1	300.00	299.97	165.05	158.16	23.964	ES
Falken 9C-9-L - OH - Plan #1	13,002.01	13,002.04	2,587.99	2,245.74	7.562	SF
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	179.97	173.30	26.966	CC, ES
Falken 9N-9C-L - OH - Plan #1	13,002.01	12,732.41	2,800.50	2,461.61	8.264	SF
GILLESPIE #11-1(PA) - OH - OH	300.00	304.00	2,346.94	2,334.04	181.944	CC
GILLESPIE #11-1(PA) - OH - OH	400.00	404.02	2,348.62	2,332.24	143.357	ES
GILLESPIE #11-1(PA) - OH - OH	11,100.00	6,964.21	4,009.68	3,651.47	11.194	SF
Harvesters Resources #15M-303(PR) - OH - OH	13,002.01	7,349.79	2,997.06	2,920.67	39.236	CC, ES, SF
Harvesters Resources #15M-423(PR) - OH - OH	13,002.01	7,375.73	2,666.17	2,589.78	34.900	CC, ES, SF

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

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Reference Well:	Falken 4N-14A-S	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 Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Falken 9-11 PAD						
Harvesters Resources #15R-243(PR) - OH - OH	13,002.01	7,389.69	2,175.83	2,098.30	28.065	CC, ES, SF
Harvesters Resources #15R-323(PR) - OH - OH	13,002.01	7,322.97	1,513.09	1,438.78	20.363	CC, ES, SF
Harvesters Resources #15R-403(PR) - OH - OH	13,002.01	7,378.54	1,849.36	1,773.53	24.388	CC, ES, SF
Harvesters Resources #15U-203(PR) - OH - OH	13,002.01	7,272.84	635.88	561.09	8.503	CC, ES, SF
Harvesters Resources #15U-443(PR) - OH - OH	13,002.01	7,332.53	1,114.30	1,038.83	14.764	CC, ES, SF
J.R. #1(PA) - OH - OH	300.00	206.00	1,563.00	1,553.20	159.452	CC
J.R. #1(PA) - OH - OH	400.00	305.98	1,564.63	1,551.52	119.295	ES
J.R. #1(PA) - OH - OH	9,800.00	6,870.94	3,966.22	3,644.41	12.325	SF
Jeff #1 - OH - OH	11,469.19	6,956.20	84.15	-73.86	0.533	Level 1, CC, ES, SF
JOHNSON #1(PA) - OH - OH	10,129.29	6,944.76	1,359.64	1,237.81	11.160	CC
JOHNSON #1(PA) - OH - OH	10,200.00	6,945.30	1,361.47	1,237.50	10.982	ES
JOHNSON #1(PA) - OH - OH	10,400.00	6,946.82	1,386.32	1,257.47	10.758	SF
JOHNSON #11-16G6(TA) - OH - OH	1,404.39	1,358.24	979.91	926.94	18.497	CC
JOHNSON #11-16G6(TA) - OH - OH	1,600.00	1,537.88	982.97	922.61	16.286	ES
JOHNSON #11-16G6(TA) - OH - OH	9,400.00	6,944.93	1,609.69	1,294.33	5.104	SF
JOHNSON #2(PA) - OH - OH	0.00	0.00	520.63			
JOHNSON #2(PA) - OH - OH	10,000.00	6,955.58	2,791.03	2,674.94	24.043	SF
KRISTY #1(PA) - OH - OH	12,712.31	6,958.80	48.05	-144.22	0.250	Level 1, CC, ES, SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	13,002.01	11,976.00	6,663.92	6,514.08	44.475	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	13,002.01	11,988.00	6,364.39	6,215.97	42.880	CC, ES, SF
Merritt #6-66-9-0857BH(PR) - OH - OH	13,002.01	11,790.00	6,625.58	6,477.16	44.639	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,234.05	6,945.03	77.19	-258.66	0.230	Level 1, CC, ES, SF
Montera #10-33(PR) - OH - OH	13,002.01	7,010.00	3,588.31	3,216.42	9.649	CC, ES, SF
Montera #10-34(PR) - OH - OH	13,002.01	6,977.00	2,871.10	2,560.44	9.242	CC, ES, SF
Montera #10-43(SI) - OH - OH	13,002.01	6,983.00	2,800.15	2,400.02	6.998	CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,648.08	6,985.59	2,453.47	2,078.20	6.538	CC
MONTERA I #11-11(PR) - OH - OH	11,700.00	6,985.72	2,454.02	2,077.20	6.512	ES
MONTERA I #11-11(PR) - OH - OH	12,000.00	6,986.48	2,478.58	2,093.99	6.445	SF
MONTERA I #11-14(PR) - OH - OH	11,335.55	6,966.80	1,277.64	911.55	3.490	CC
MONTERA I #11-14(PR) - OH - OH	11,400.00	6,966.97	1,279.26	911.21	3.476	ES, SF
MONTERA I #14-8 - OH - OH	8,614.99	6,939.95	1,591.62	1,295.05	5.367	CC, ES
MONTERA I #14-8 - OH - OH	8,700.00	6,940.16	1,593.89	1,296.05	5.352	SF
OPAL #1(PA) - OH - OH	12,808.81	7,012.51	3,859.14	3,450.85	9.452	CC
OPAL #1(PA) - OH - OH	12,900.00	7,012.74	3,860.21	3,449.28	9.394	ES
OPAL #1(PA) - OH - OH	13,002.01	7,013.00	3,863.97	3,450.17	9.338	SF
OTTOSON #2(PA) - OH - OH	7,582.15	6,917.00	1,312.12	1,244.09	19.288	CC, ES
OTTOSON #2(PA) - OH - OH	7,650.00	6,938.61	1,315.09	1,246.81	19.261	SF
OTTOSON #3(PR) - OH - OH	4,405.48	4,094.99	297.24	252.35	6.621	CC, ES
OTTOSON #3(PR) - OH - OH	4,500.00	4,182.51	299.39	253.61	6.539	SF
OTTOSON I #12-12(PR) - OH - OH	1,361.57	1,281.14	970.12	956.93	73.547	CC
OTTOSON I #12-12(PR) - OH - OH	1,479.95	1,391.79	970.86	956.61	68.159	ES
OTTOSON I #12-12(PR) - OH - OH	8,800.00	6,962.61	2,823.44	2,733.07	31.242	SF
OTTOSON I #12-25(PR) - OH - OH	3,207.54	2,906.02	1,364.31	1,332.63	43.072	CC
OTTOSON I #12-25(PR) - OH - OH	3,300.00	2,990.13	1,364.79	1,332.11	41.762	ES
OTTOSON I #12-25(PR) - OH - OH	6,712.03	6,209.61	1,813.41	1,746.76	27.210	SF
POP I #14-17 - OH - OH	9,434.18	6,939.01	963.24	647.94	3.055	CC, ES
POP I #14-17 - OH - OH	9,500.00	6,939.18	965.49	649.25	3.053	SF
SOUTH WOODS #10-3(PA) - OH - OH	13,002.01	6,969.00	4,587.46	4,247.41	13.491	CC, ES, SF
SOUTHARD #2(PR) - OH - OH	100.00	66.34	1,884.37	1,877.81	286.907	CC
SOUTHARD #2(PR) - OH - OH	306.46	280.51	1,884.57	1,877.69	273.953	ES
SOUTHARD #2(PR) - OH - OH	10,200.00	6,933.89	4,746.10	4,631.25	41.327	SF

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

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

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						

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		
0.00	0.00	0.00	0.00	3.28	3.28	-131.00	-3,686.77	-4,241.09	5,619.65					
100.00	100.00	64.00	64.00	3.28	3.47	-131.00	-3,686.77	-4,241.09	5,619.53	5,612.78	6.75	832.555		
200.00	200.00	164.00	164.00	3.34	5.16	-131.00	-3,686.77	-4,241.09	5,619.53	5,611.04	8.49	661.570		
300.00	300.00	264.00	264.00	3.44	8.16	-131.00	-3,686.77	-4,241.09	5,619.53	5,607.93	11.60	484.276		
400.00	399.98	363.98	363.98	3.60	11.44	79.62	-3,686.77	-4,241.09	5,619.22	5,604.18	15.04	373.689		
500.00	499.84	463.84	463.84	3.79	14.81	79.69	-3,686.77	-4,241.09	5,618.28	5,599.68	18.60	302.048		
600.00	599.45	563.45	563.45	4.02	18.22	79.81	-3,686.77	-4,241.09	5,616.72	5,594.48	22.24	252.547		
700.00	698.70	662.70	662.70	4.29	21.64	79.98	-3,686.77	-4,241.09	5,614.57	5,588.64	25.93	216.542		
800.00	797.47	761.47	761.47	4.60	25.05	80.19	-3,686.77	-4,241.09	5,611.84	5,582.19	29.65	189.281		
900.00	895.62	859.62	859.62	4.94	28.45	80.44	-3,686.77	-4,241.09	5,608.57	5,575.18	33.39	167.974		
1,000.00	993.06	957.06	957.06	5.31	31.83	80.73	-3,686.77	-4,241.09	5,604.80	5,567.65	37.14	150.891		
1,100.00	1,089.64	1,053.64	1,053.64	5.72	35.19	81.07	-3,686.77	-4,241.09	5,600.56	5,559.65	40.91	136.907		
1,200.00	1,185.27	1,149.27	1,149.27	6.17	38.52	81.45	-3,686.77	-4,241.09	5,595.92	5,551.25	44.67	125.259		
1,300.00	1,279.82	1,243.82	1,243.82	6.65	41.81	81.86	-3,686.77	-4,241.09	5,590.93	5,542.48	48.44	115.413		
1,400.00	1,373.17	1,337.17	1,337.17	7.17	45.05	82.30	-3,686.77	-4,241.09	5,585.64	5,533.44	52.21	106.987		
1,479.95	1,446.87	1,410.87	1,410.87	7.61	47.62	82.68	-3,686.77	-4,241.09	5,581.26	5,526.04	55.22	101.080		
1,500.00	1,465.24	1,429.24	1,429.24	7.72	48.26	82.75	-3,686.77	-4,241.09	5,580.15	5,524.18	55.97	99.699		
1,600.00	1,556.88	1,520.88	1,520.88	8.31	51.45	83.13	-3,686.77	-4,241.09	5,574.79	5,515.04	59.75	93.308		
1,700.00	1,648.52	1,612.52	1,612.52	8.92	54.65	83.50	-3,686.77	-4,241.09	5,569.71	5,506.17	63.54	87.654		
1,800.00	1,740.15	1,704.15	1,704.15	9.54	57.84	83.88	-3,686.77	-4,241.09	5,564.92	5,497.56	67.35	82.623		
1,900.00	1,831.79	1,804.21	1,795.79	10.17	61.33	84.26	-3,686.77	-4,241.09	5,560.41	5,488.93	71.47	77.799		
2,000.00	1,923.43	1,887.43	1,887.43	10.81	64.23	84.63	-3,686.77	-4,241.09	5,556.18	5,481.17	75.01	74.070		
2,100.00	2,015.06	1,979.06	1,979.06	11.46	67.42	85.01	-3,686.77	-4,241.09	5,552.24	5,473.38	78.86	70.409		
2,200.00	2,106.70	2,070.70	2,070.70	12.11	70.62	85.39	-3,686.77	-4,241.09	5,548.59	5,465.88	82.71	67.086		
2,300.00	2,198.34	2,162.34	2,162.34	12.78	73.81	85.77	-3,686.77	-4,241.09	5,545.22	5,458.65	86.57	64.057		
2,400.00	2,289.98	2,253.98	2,253.98	13.44	77.01	86.14	-3,686.77	-4,241.09	5,542.14	5,451.71	90.43	61.286		
2,500.00	2,381.61	2,345.61	2,345.61	14.11	80.21	86.52	-3,686.77	-4,241.09	5,539.34	5,445.04	94.30	58.742		
2,600.00	2,473.25	2,437.25	2,437.25	14.79	83.40	86.90	-3,686.77	-4,241.09	5,536.84	5,438.67	98.17	56.399		
2,700.00	2,564.89	2,528.89	2,528.89	15.47	86.60	87.28	-3,686.77	-4,241.09	5,534.62	5,432.57	102.05	54.235		
2,800.00	2,656.52	2,620.52	2,620.52	16.15	89.80	87.66	-3,686.77	-4,241.09	5,532.70	5,426.77	105.93	52.231		
2,900.00	2,748.16	2,712.16	2,712.16	16.83	92.99	88.04	-3,686.77	-4,241.09	5,531.06	5,421.25	109.81	50.369		
3,000.00	2,839.80	2,803.80	2,803.80	17.52	96.19	88.42	-3,686.77	-4,241.09	5,529.71	5,416.01	113.69	48.636		
3,100.00	2,931.43	2,904.57	2,895.43	18.20	99.71	88.80	-3,686.77	-4,241.09	5,528.65	5,410.75	117.90	46.893		
3,200.00	3,023.07	2,987.07	2,987.07	18.89	102.59	89.18	-3,686.77	-4,241.09	5,527.88	5,406.41	121.47	45.508		
3,300.00	3,114.71	3,078.71	3,078.71	19.58	105.78	89.56	-3,686.77	-4,241.09	5,527.40	5,402.04	125.36	44.092		
3,400.00	3,206.35	3,170.35	3,170.35	20.27	108.98	89.94	-3,686.77	-4,241.09	5,527.21	5,397.96	129.25	42.764		
3,415.56	3,220.60	3,184.60	3,184.60	20.38	109.48	90.00	-3,686.77	-4,241.09	5,527.21	5,397.35	129.86	42.564		
3,500.00	3,297.98	3,261.98	3,261.98	20.97	112.18	90.32	-3,686.77	-4,241.09	5,527.31	5,394.17	133.14	41.514		
3,600.00	3,389.62	3,353.62	3,353.62	21.66	115.38	90.70	-3,686.77	-4,241.09	5,527.70	5,390.66	137.04	40.338		
3,700.00	3,481.26	3,445.26	3,445.26	22.36	118.57	91.08	-3,686.77	-4,241.09	5,528.38	5,387.45	140.93	39.228		
3,800.00	3,572.89	3,536.89	3,536.89	23.05	121.77	91.46	-3,686.77	-4,241.09	5,529.35	5,384.52	144.82	38.180		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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		
3,900.00	3,664.53	3,628.53	3,628.53	23.75	124.97	91.84	-3,686.77	-4,241.09	5,530.61	5,381.89	148.72	37.189		
4,000.00	3,756.17	3,720.17	3,720.17	24.45	128.17	92.22	-3,686.77	-4,241.09	5,532.16	5,379.54	152.61	36.249		
4,100.00	3,847.80	3,811.80	3,811.80	25.14	131.37	92.60	-3,686.77	-4,241.09	5,533.99	5,377.48	156.51	35.359		
4,200.00	3,939.44	3,903.44	3,903.44	25.84	134.56	92.98	-3,686.77	-4,241.09	5,536.12	5,375.72	160.40	34.514		
4,300.00	4,031.08	4,004.92	4,004.92	26.54	138.11	93.36	-3,686.77	-4,241.09	5,538.53	5,373.89	164.64	33.640		
4,400.00	4,122.72	4,086.72	4,086.72	27.24	140.96	93.74	-3,686.77	-4,241.09	5,541.24	5,373.04	168.19	32.945		
4,500.00	4,214.35	4,178.35	4,178.35	27.94	144.16	94.12	-3,686.77	-4,241.09	5,544.23	5,372.14	172.09	32.217		
4,600.00	4,305.99	4,269.99	4,269.99	28.64	147.36	94.50	-3,686.77	-4,241.09	5,547.51	5,371.52	175.98	31.523		
4,700.00	4,397.63	4,361.63	4,361.63	29.35	150.55	94.87	-3,686.77	-4,241.09	5,551.07	5,371.19	179.88	30.860		
4,800.00	4,489.26	4,453.26	4,453.26	30.05	153.75	95.25	-3,686.77	-4,241.09	5,554.92	5,371.15	183.77	30.227		
4,900.00	4,580.90	4,544.90	4,544.90	30.75	156.95	95.63	-3,686.77	-4,241.09	5,559.06	5,371.39	187.67	29.622		
5,000.00	4,672.54	4,636.54	4,636.54	31.45	160.15	96.00	-3,686.77	-4,241.09	5,563.48	5,371.92	191.56	29.043		
5,100.00	4,764.17	4,728.17	4,728.17	32.16	163.35	96.38	-3,686.77	-4,241.09	5,568.19	5,372.74	195.45	28.489		
5,200.00	4,855.81	4,819.81	4,819.81	32.86	166.55	96.75	-3,686.77	-4,241.09	5,573.18	5,373.84	199.34	27.958		
5,300.00	4,947.45	4,911.45	4,911.45	33.56	169.75	97.13	-3,686.77	-4,241.09	5,578.45	5,375.22	203.23	27.448		
5,400.00	5,039.08	5,003.08	5,003.08	34.27	172.94	97.50	-3,686.77	-4,241.09	5,584.01	5,376.88	207.12	26.960		
5,500.00	5,130.72	5,105.28	5,105.28	34.97	176.51	97.88	-3,686.77	-4,241.09	5,589.84	5,378.46	211.38	26.444		
5,600.00	5,222.36	5,186.36	5,186.36	35.68	179.34	98.25	-3,686.77	-4,241.09	5,595.96	5,381.06	214.90	26.040		
5,700.00	5,314.00	5,278.00	5,278.00	36.38	182.54	98.62	-3,686.77	-4,241.09	5,602.35	5,383.57	218.79	25.606		
5,800.00	5,405.63	5,369.63	5,369.63	37.08	185.74	98.99	-3,686.77	-4,241.09	5,609.03	5,386.36	222.67	25.190		
5,900.00	5,497.27	5,461.27	5,461.27	37.79	188.94	99.36	-3,686.77	-4,241.09	5,615.98	5,389.42	226.56	24.788		
6,000.00	5,588.91	5,552.91	5,552.91	38.50	192.13	99.73	-3,686.77	-4,241.09	5,623.21	5,392.77	230.44	24.402		
6,100.00	5,680.54	5,644.54	5,644.54	39.20	195.33	100.10	-3,686.77	-4,241.09	5,630.71	5,396.39	234.32	24.030		
6,200.00	5,772.18	5,736.18	5,736.18	39.91	198.53	100.47	-3,686.77	-4,241.09	5,638.49	5,400.29	238.20	23.671		
6,300.00	5,863.82	5,827.82	5,827.82	40.61	201.73	100.84	-3,686.77	-4,241.09	5,646.54	5,404.46	242.08	23.325		
6,400.00	5,955.45	5,919.45	5,919.45	41.32	204.93	101.20	-3,686.77	-4,241.09	5,654.86	5,408.90	245.96	22.991		
6,500.00	6,047.09	6,011.09	6,011.09	42.02	208.13	101.57	-3,686.77	-4,241.09	5,663.46	5,413.62	249.84	22.669		
6,600.00	6,138.73	6,102.73	6,102.73	42.73	211.33	101.93	-3,686.77	-4,241.09	5,672.32	5,418.61	253.71	22.357		
6,700.00	6,230.37	6,205.63	6,205.63	43.44	214.92	102.30	-3,686.77	-4,241.09	5,681.45	5,423.47	257.98	22.023		
6,712.03	6,241.39	6,205.39	6,205.39	43.52	214.91	102.34	-3,686.77	-4,241.09	5,682.57	5,424.51	258.05	22.021		
6,750.00	6,276.38	6,240.38	6,240.38	43.78	216.13	95.19	-3,686.77	-4,241.09	5,685.03	5,425.51	259.52	21.906		
6,800.00	6,322.91	6,286.91	6,286.91	44.09	217.76	84.37	-3,686.77	-4,241.09	5,685.02	5,423.57	261.45	21.745		
6,850.00	6,369.70	6,333.70	6,333.70	44.36	219.39	72.56	-3,686.77	-4,241.09	5,681.29	5,417.94	263.35	21.573		
6,900.00	6,416.45	6,380.45	6,380.45	44.59	221.02	60.79	-3,686.77	-4,241.09	5,673.86	5,408.65	265.21	21.394		
6,950.00	6,462.87	6,426.87	6,426.87	44.79	222.64	50.00	-3,686.77	-4,241.09	5,662.76	5,395.74	267.02	21.207		
7,000.00	6,508.69	6,472.69	6,472.69	44.95	224.24	40.69	-3,686.77	-4,241.09	5,648.06	5,379.28	268.78	21.014		
7,050.00	6,553.61	6,517.61	6,517.61	45.09	225.81	32.93	-3,686.77	-4,241.09	5,629.83	5,359.36	270.47	20.815		
7,100.00	6,597.37	6,561.37	6,561.37	45.20	227.34	26.49	-3,686.77	-4,241.09	5,608.18	5,336.08	272.10	20.611		
7,150.00	6,639.68	6,603.68	6,603.68	45.30	228.81	21.09	-3,686.77	-4,241.09	5,583.23	5,309.57	273.65	20.402		
7,200.00	6,680.29	6,644.29	6,644.29	45.39	230.23	16.43	-3,686.77	-4,241.09	5,555.13	5,279.99	275.13	20.191		
7,250.00	6,718.96	6,682.96	6,682.96	45.48	231.58	12.28	-3,686.77	-4,241.09	5,524.04	5,247.51	276.53	19.976		
7,300.00	6,755.43	6,719.43	6,719.43	45.57	232.85	8.41	-3,686.77	-4,241.09	5,490.16	5,212.31	277.85	19.759		
7,350.00	6,789.49	6,753.49	6,753.49	45.67	234.04	4.63	-3,686.77	-4,241.09	5,453.68	5,174.61	279.07	19.542		
7,400.00	6,820.93	6,784.93	6,784.93	45.77	235.14	0.72	-3,686.77	-4,241.09	5,414.83	5,134.63	280.21	19.325		
7,450.00	6,849.55	6,813.55	6,813.55	45.89	236.14	-3.54	-3,686.77	-4,241.09	5,373.85	5,092.61	281.24	19.108		
7,500.00	6,875.17	6,839.17	6,839.17	46.02	237.03	-8.45	-3,686.77	-4,241.09	5,330.99	5,048.82	282.17	18.893		
7,550.00	6,897.64	6,861.64	6,861.64	46.17	237.82	-14.41	-3,686.77	-4,241.09	5,286.52	5,003.53	282.99	18.681		
7,600.00	6,916.82	6,880.82	6,880.82	46.35	238.49	-21.97	-3,686.77	-4,241.09	5,240.71	4,957.00	283.71	18.472		
7,650.00	6,932.60	6,903.41	6,903.41	46.55	239.28	-31.79	-3,686.77	-4,241.09	5,193.86	4,909.31	284.55	18.253		
7,700.00	6,944.86	6,908.86	6,908.86	46.78	239.47	-44.52	-3,686.77	-4,241.09	5,146.25	4,861.44	284.81	18.069		
7,750.00	6,953.55	6,917.55	6,917.55	47.04	239.77	-60.01	-3,686.77	-4,241.09	5,098.20	4,813.01	285.18	17.877		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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			
7,800.00	6,958.59	6,922.59	6,922.59	47.33	239.95	-76.61	-3,686.77	-4,241.09	5,050.00	4,764.55	285.45	17.691			
7,842.10	6,960.00	6,924.00	6,924.00	47.60	239.99	-89.52	-3,686.77	-4,241.09	5,009.54	4,723.96	285.58	17.542			
7,900.00	6,960.15	6,924.15	6,924.15	48.01	240.00	-89.52	-3,686.77	-4,241.09	4,954.08	4,668.36	285.71	17.339			
8,000.00	6,960.40	6,924.40	6,924.40	48.86	240.01	-89.53	-3,686.77	-4,241.09	4,858.42	4,572.46	285.96	16.990			
8,100.00	6,960.65	6,924.65	6,924.65	49.87	240.02	-89.54	-3,686.77	-4,241.09	4,762.95	4,476.71	286.24	16.640			
8,200.00	6,960.91	6,924.91	6,924.91	51.06	240.03	-89.55	-3,686.77	-4,241.09	4,667.67	4,381.12	286.55	16.289			
8,300.00	6,961.16	6,925.16	6,925.16	52.41	240.03	-89.56	-3,686.77	-4,241.09	4,572.59	4,285.69	286.89	15.938			
8,400.00	6,961.41	6,925.41	6,925.41	53.93	240.04	-89.57	-3,686.77	-4,241.09	4,477.72	4,190.45	287.28	15.587			
8,500.00	6,961.66	6,925.66	6,925.66	55.59	240.05	-89.58	-3,686.77	-4,241.09	4,383.08	4,095.38	287.70	15.235			
8,600.00	6,961.91	6,925.91	6,925.91	57.37	240.06	-89.59	-3,686.77	-4,241.09	4,288.69	4,000.52	288.16	14.883			
8,700.00	6,962.16	6,926.16	6,926.16	59.27	240.07	-89.60	-3,686.77	-4,241.09	4,194.55	3,905.87	288.68	14.530			
8,800.00	6,962.42	6,926.42	6,926.42	61.26	240.08	-89.61	-3,686.77	-4,241.09	4,100.69	3,811.45	289.24	14.177			
8,900.00	6,962.67	6,926.67	6,926.67	63.34	240.09	-89.62	-3,686.77	-4,241.09	4,007.13	3,717.27	289.86	13.824			
9,000.00	6,962.92	6,926.92	6,926.92	65.49	240.10	-89.63	-3,686.77	-4,241.09	3,913.89	3,623.35	290.54	13.471			
9,100.00	6,963.17	6,927.17	6,927.17	67.70	240.10	-89.64	-3,686.77	-4,241.09	3,820.99	3,529.70	291.29	13.118			
9,200.00	6,963.42	6,927.42	6,927.42	69.97	240.11	-89.65	-3,686.77	-4,241.09	3,728.46	3,436.35	292.10	12.764			
9,300.00	6,963.68	6,927.68	6,927.68	72.28	240.12	-89.66	-3,686.77	-4,241.09	3,636.32	3,343.32	293.00	12.411			
9,400.00	6,963.93	6,927.93	6,927.93	74.64	240.13	-89.67	-3,686.77	-4,241.09	3,544.61	3,250.64	293.97	12.058			
9,500.00	6,964.18	6,928.18	6,928.18	77.04	240.14	-89.68	-3,686.77	-4,241.09	3,453.36	3,158.32	295.04	11.705			
9,600.00	6,964.43	6,928.43	6,928.43	79.48	240.15	-89.69	-3,686.77	-4,241.09	3,362.60	3,066.41	296.20	11.353			
9,700.00	6,964.68	6,928.68	6,928.68	81.94	240.16	-89.70	-3,686.77	-4,241.09	3,272.39	2,974.93	297.46	11.001			
9,800.00	6,964.94	6,928.94	6,928.94	84.43	240.17	-89.71	-3,686.77	-4,241.09	3,182.76	2,883.92	298.84	10.651			
9,900.00	6,965.19	6,929.19	6,929.19	86.95	240.18	-89.72	-3,686.77	-4,241.09	3,093.76	2,793.43	300.33	10.301			
10,000.00	6,965.44	6,929.44	6,929.44	89.49	240.18	-89.73	-3,686.77	-4,241.09	3,005.46	2,703.50	301.96	9.953			
10,100.00	6,965.69	6,929.69	6,929.69	92.05	240.19	-89.74	-3,686.77	-4,241.09	2,917.91	2,614.19	303.72	9.607			
10,200.00	6,965.94	6,929.94	6,929.94	94.63	240.20	-89.75	-3,686.77	-4,241.09	2,831.19	2,525.56	305.64	9.263			
10,300.00	6,966.19	6,930.19	6,930.19	97.22	240.21	-89.76	-3,686.77	-4,241.09	2,745.37	2,437.66	307.71	8.922			
10,400.00	6,966.45	6,930.45	6,930.45	99.83	240.22	-89.77	-3,686.77	-4,241.09	2,660.54	2,350.59	309.95	8.584			
10,500.00	6,966.70	6,930.70	6,930.70	102.46	240.23	-89.78	-3,686.77	-4,241.09	2,576.80	2,264.42	312.38	8.249			
10,600.00	6,966.95	6,930.95	6,930.95	105.09	240.24	-89.79	-3,686.77	-4,241.09	2,494.26	2,179.26	315.00	7.918			
10,700.00	6,967.20	6,931.20	6,931.20	107.74	240.25	-89.80	-3,686.77	-4,241.09	2,413.04	2,095.22	317.82	7.592			
10,800.00	6,967.45	6,931.45	6,931.45	110.41	240.25	-89.81	-3,686.77	-4,241.09	2,333.28	2,012.41	320.86	7.272			
10,900.00	6,967.71	6,931.71	6,931.71	113.08	240.26	-89.82	-3,686.77	-4,241.09	2,255.13	1,931.00	324.13	6.957			
11,000.00	6,967.96	6,931.96	6,931.96	115.76	240.27	-89.83	-3,686.77	-4,241.09	2,178.77	1,851.13	327.63	6.650			
11,100.00	6,968.21	6,932.21	6,932.21	118.45	240.28	-89.84	-3,686.77	-4,241.09	2,104.39	1,773.01	331.38	6.350			
11,200.00	6,968.46	6,932.46	6,932.46	121.15	240.29	-89.85	-3,686.77	-4,241.09	2,032.21	1,696.84	335.37	6.060			
11,300.00	6,968.71	6,932.71	6,932.71	123.85	240.30	-89.86	-3,686.77	-4,241.09	1,962.47	1,622.87	339.61	5.779			
11,400.00	6,968.97	6,932.97	6,932.97	126.56	240.31	-89.87	-3,686.77	-4,241.09	1,895.45	1,551.37	344.08	5.509			
11,500.00	6,969.22	6,933.22	6,933.22	129.28	240.32	-89.88	-3,686.77	-4,241.09	1,831.43	1,482.65	348.79	5.251			
11,600.00	6,969.47	6,933.47	6,933.47	132.01	240.32	-89.89	-3,686.77	-4,241.09	1,770.75	1,417.06	353.69	5.006			
11,700.00	6,969.72	6,933.72	6,933.72	134.74	240.33	-89.90	-3,686.77	-4,241.09	1,713.76	1,354.99	358.77	4.777			
11,800.00	6,969.97	6,933.97	6,933.97	137.48	240.34	-89.92	-3,686.77	-4,241.09	1,660.85	1,296.87	363.97	4.563			
11,900.00	6,970.22	6,934.22	6,934.22	140.22	240.35	-89.93	-3,686.77	-4,241.09	1,612.40	1,243.16	369.24	4.367			
12,000.00	6,970.48	6,934.48	6,934.48	142.97	240.36	-89.94	-3,686.77	-4,241.09	1,568.84	1,194.35	374.49	4.189			
12,100.00	6,970.73	6,934.73	6,934.73	145.72	240.37	-89.95	-3,686.77	-4,241.09	1,530.58	1,150.95	379.63	4.032			
12,200.00	6,970.98	6,934.98	6,934.98	148.47	240.38	-89.96	-3,686.77	-4,241.09	1,498.03	1,113.47	384.56	3.895			
12,300.00	6,971.23	6,935.23	6,935.23	151.23	240.39	-89.97	-3,686.77	-4,241.09	1,471.57	1,082.41	389.16	3.781			
12,400.00	6,971.48	6,935.48	6,935.48	154.00	240.40	-89.98	-3,686.77	-4,241.09	1,451.53	1,058.20	393.32	3.690			
12,500.00	6,971.74	6,935.74	6,935.74	156.76	240.40	-89.99	-3,686.77	-4,241.09	1,438.18	1,041.23	396.95	3.623			
12,600.00	6,971.99	6,935.99	6,935.99	159.53	240.41	-90.00	-3,686.77	-4,241.09	1,431.70	1,031.77	399.93	3.580			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
12,642.90	6,972.10	6,936.10	6,936.10	160.72	240.42	-90.00	-3,686.77	-4,241.09	1,431.06	1,030.06	401.01	3.569 CC		
12,700.00	6,972.24	6,936.24	6,936.24	162.31	240.42	-90.01	-3,686.77	-4,241.09	1,432.20	1,029.98	402.22	3.561 ES, SF		
12,800.00	6,972.49	6,936.49	6,936.49	165.09	240.43	-90.02	-3,686.77	-4,241.09	1,439.66	1,035.88	403.78	3.565		
12,900.00	6,972.74	6,936.74	6,936.74	167.86	240.44	-90.03	-3,686.77	-4,241.09	1,453.97	1,049.37	404.61	3.594		
13,002.01	6,973.00	6,937.00	6,937.00	170.70	240.45	-90.04	-3,686.77	-4,241.09	1,475.43	1,070.71	404.72	3.646		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	2.00	3.28	3.28	-100.03	-1,007.74	-5,698.49	5,786.91					
100.00	100.00	102.00	102.00	3.28	3.75	-100.03	-1,007.74	-5,698.49	5,786.91	5,779.87	7.03	822.760		
200.00	200.00	202.00	202.00	3.34	6.24	-100.03	-1,007.74	-5,698.49	5,786.91	5,777.33	9.58	604.360		
300.00	300.00	302.00	302.00	3.44	9.39	-100.03	-1,007.74	-5,698.49	5,786.91	5,774.07	12.83	450.911		
400.00	399.98	401.98	401.98	3.60	12.72	110.58	-1,007.74	-5,698.49	5,787.52	5,771.21	16.31	354.765		
500.00	499.84	501.84	501.84	3.79	16.11	110.59	-1,007.74	-5,698.49	5,789.36	5,769.47	19.90	290.968		
600.00	599.45	601.45	601.45	4.02	19.53	110.61	-1,007.74	-5,698.49	5,792.44	5,768.89	23.55	245.998		
700.00	698.70	700.70	700.70	4.29	22.95	110.64	-1,007.74	-5,698.49	5,796.76	5,769.52	27.24	212.800		
800.00	797.47	800.53	799.47	4.60	26.41	110.68	-1,007.74	-5,698.49	5,802.34	5,771.34	31.00	187.167		
900.00	895.62	902.38	897.62	4.94	29.94	110.73	-1,007.74	-5,698.49	5,809.20	5,774.33	34.87	166.587		
1,000.00	993.06	1,004.94	995.06	5.31	33.50	110.78	-1,007.74	-5,698.49	5,817.35	5,778.55	38.81	149.909		
1,100.00	1,089.64	1,108.36	1,091.64	5.72	37.09	110.83	-1,007.74	-5,698.49	5,826.83	5,784.02	42.81	136.124		
1,200.00	1,185.27	1,187.27	1,187.27	6.17	39.84	110.88	-1,007.74	-5,698.49	5,837.65	5,791.66	45.99	126.939		
1,300.00	1,279.82	1,281.82	1,281.82	6.65	43.13	110.94	-1,007.74	-5,698.49	5,849.85	5,800.10	49.75	117.587		
1,400.00	1,373.17	1,375.17	1,375.17	7.17	46.38	110.99	-1,007.74	-5,698.49	5,863.46	5,809.95	53.51	109.587		
1,479.95	1,446.87	1,448.87	1,448.87	7.61	48.94	111.03	-1,007.74	-5,698.49	5,875.37	5,818.87	56.50	103.986		
1,500.00	1,465.24	1,467.24	1,467.24	7.72	49.58	111.10	-1,007.74	-5,698.49	5,878.48	5,821.23	57.25	102.676		
1,600.00	1,556.88	1,558.88	1,558.88	8.31	52.78	111.43	-1,007.74	-5,698.49	5,894.13	5,833.12	61.01	96.610		
1,700.00	1,648.52	1,650.52	1,650.52	8.92	55.97	111.77	-1,007.74	-5,698.49	5,910.01	5,845.23	64.78	91.228		
1,800.00	1,740.15	1,742.15	1,742.15	9.54	59.16	112.10	-1,007.74	-5,698.49	5,926.12	5,857.55	68.57	86.425		
1,900.00	1,831.79	1,833.79	1,833.79	10.17	62.36	112.43	-1,007.74	-5,698.49	5,942.45	5,870.08	72.37	82.116		
2,000.00	1,923.43	1,925.43	1,925.43	10.81	65.55	112.77	-1,007.74	-5,698.49	5,959.01	5,882.84	76.17	78.231		
2,100.00	2,015.06	2,017.06	2,017.06	11.46	68.75	113.09	-1,007.74	-5,698.49	5,975.79	5,895.80	79.98	74.712		
2,200.00	2,106.70	2,108.70	2,108.70	12.11	71.94	113.42	-1,007.74	-5,698.49	5,992.79	5,908.98	83.80	71.511		
2,300.00	2,198.34	2,200.34	2,200.34	12.78	75.14	113.75	-1,007.74	-5,698.49	6,010.00	5,922.38	87.62	68.588		
2,400.00	2,289.98	2,308.02	2,291.98	13.44	78.90	114.07	-1,007.74	-5,698.49	6,027.44	5,935.43	92.01	65.509		
2,500.00	2,381.61	2,383.61	2,383.61	14.11	81.53	114.39	-1,007.74	-5,698.49	6,045.09	5,949.81	95.28	63.447		
2,600.00	2,473.25	2,475.25	2,475.25	14.79	84.73	114.72	-1,007.74	-5,698.49	6,062.95	5,963.84	99.11	61.175		
2,700.00	2,564.89	2,566.89	2,566.89	15.47	87.93	115.03	-1,007.74	-5,698.49	6,081.03	5,978.09	102.94	59.073		
2,800.00	2,656.52	2,658.52	2,658.52	16.15	91.12	115.35	-1,007.74	-5,698.49	6,099.31	5,992.54	106.77	57.123		
2,900.00	2,748.16	2,750.16	2,750.16	16.83	94.32	115.67	-1,007.74	-5,698.49	6,117.80	6,007.19	110.61	55.310		
3,000.00	2,839.80	2,841.80	2,841.80	17.52	97.52	115.98	-1,007.74	-5,698.49	6,136.50	6,022.05	114.44	53.620		
3,100.00	2,931.43	2,933.43	2,933.43	18.20	100.71	116.30	-1,007.74	-5,698.49	6,155.40	6,037.12	118.28	52.041		
3,200.00	3,023.07	3,025.07	3,025.07	18.89	103.91	116.61	-1,007.74	-5,698.49	6,174.50	6,052.38	122.12	50.563		
3,300.00	3,114.71	3,116.71	3,116.71	19.58	107.11	116.92	-1,007.74	-5,698.49	6,193.80	6,067.85	125.95	49.176		
3,400.00	3,206.35	3,208.35	3,208.35	20.27	110.31	117.22	-1,007.74	-5,698.49	6,213.30	6,083.51	129.79	47.873		
3,500.00	3,297.98	3,300.02	3,299.98	20.97	113.51	117.53	-1,007.74	-5,698.49	6,232.99	6,099.37	133.62	46.646		
3,600.00	3,389.62	3,408.38	3,391.62	21.66	117.29	117.83	-1,007.74	-5,698.49	6,252.88	6,114.84	138.04	45.297		
3,700.00	3,481.26	3,483.26	3,483.26	22.36	119.90	118.14	-1,007.74	-5,698.49	6,272.96	6,131.67	141.29	44.398		
3,800.00	3,572.89	3,574.89	3,574.89	23.05	123.10	118.44	-1,007.74	-5,698.49	6,293.24	6,148.11	145.12	43.365		
3,900.00	3,664.53	3,666.53	3,666.53	23.75	126.30	118.74	-1,007.74	-5,698.49	6,313.70	6,164.74	148.96	42.386		
4,000.00	3,756.17	3,758.17	3,758.17	24.45	129.49	119.03	-1,007.74	-5,698.49	6,334.35	6,181.56	152.79	41.459		
4,100.00	3,847.80	3,849.80	3,849.80	25.14	132.69	119.33	-1,007.74	-5,698.49	6,355.18	6,198.56	156.62	40.578		
4,200.00	3,939.44	3,941.44	3,941.44	25.84	135.89	119.62	-1,007.74	-5,698.49	6,376.20	6,215.75	160.45	39.740		
4,300.00	4,031.08	4,033.08	4,033.08	26.54	139.09	119.92	-1,007.74	-5,698.49	6,397.39	6,233.12	164.28	38.943		
4,400.00	4,122.72	4,124.72	4,124.72	27.24	142.29	120.21	-1,007.74	-5,698.49	6,418.77	6,250.67	168.10	38.183		
4,500.00	4,214.35	4,216.35	4,216.35	27.94	145.48	120.50	-1,007.74	-5,698.49	6,440.33	6,268.40	171.93	37.459		
4,600.00	4,305.99	4,307.99	4,307.99	28.64	148.68	120.78	-1,007.74	-5,698.49	6,462.06	6,286.30	175.76	36.767		
4,700.00	4,397.63	4,400.37	4,399.63	29.35	151.91	121.07	-1,007.74	-5,698.49	6,483.97	6,304.36	179.61	36.101		
4,800.00	4,489.26	4,508.74	4,491.26	30.05	155.69	121.35	-1,007.74	-5,698.49	6,506.04	6,322.03	184.01	35.357		
4,900.00	4,580.90	4,582.90	4,582.90	30.75	158.28	121.63	-1,007.74	-5,698.49	6,528.29	6,341.07	187.22	34.869		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,674.54	4,674.54	31.45	161.48	121.91	-1,007.74	-5,698.49	6,550.71	6,359.67	191.04	34.289		
5,100.00	4,764.17	4,766.17	4,766.17	32.16	164.67	122.19	-1,007.74	-5,698.49	6,573.30	6,378.44	194.86	33.733		
5,200.00	4,855.81	4,857.81	4,857.81	32.86	167.87	122.47	-1,007.74	-5,698.49	6,596.05	6,397.37	198.68	33.199		
5,300.00	4,947.45	4,949.45	4,949.45	33.56	171.07	122.75	-1,007.74	-5,698.49	6,618.97	6,416.47	202.50	32.686		
5,400.00	5,039.08	5,041.08	5,041.08	34.27	174.27	123.02	-1,007.74	-5,698.49	6,642.04	6,435.73	206.31	32.194		
5,500.00	5,130.72	5,132.72	5,132.72	34.97	177.47	123.29	-1,007.74	-5,698.49	6,665.28	6,455.15	210.13	31.720		
5,600.00	5,222.36	5,224.36	5,224.36	35.68	180.67	123.56	-1,007.74	-5,698.49	6,688.68	6,474.74	213.94	31.264		
5,700.00	5,314.00	5,316.00	5,316.00	36.38	183.87	123.83	-1,007.74	-5,698.49	6,712.23	6,494.48	217.75	30.825		
5,800.00	5,405.63	5,407.63	5,407.63	37.08	187.06	124.10	-1,007.74	-5,698.49	6,735.94	6,514.38	221.56	30.402		
5,900.00	5,497.27	5,500.73	5,499.27	37.79	190.31	124.36	-1,007.74	-5,698.49	6,759.81	6,534.38	225.42	29.987		
6,000.00	5,588.91	5,609.09	5,590.91	38.50	194.10	124.62	-1,007.74	-5,698.49	6,783.82	6,554.01	229.81	29.519		
6,100.00	5,680.54	5,682.54	5,682.54	39.20	196.66	124.89	-1,007.74	-5,698.49	6,807.99	6,575.00	232.99	29.221		
6,200.00	5,772.18	5,774.18	5,774.18	39.91	199.86	125.15	-1,007.74	-5,698.49	6,832.31	6,595.52	236.79	28.854		
6,300.00	5,863.82	5,865.82	5,865.82	40.61	203.06	125.41	-1,007.74	-5,698.49	6,856.77	6,616.18	240.59	28.499		
6,400.00	5,955.45	5,957.45	5,957.45	41.32	206.26	125.66	-1,007.74	-5,698.49	6,881.38	6,636.98	244.40	28.157		
6,500.00	6,047.09	6,049.09	6,049.09	42.02	209.45	125.92	-1,007.74	-5,698.49	6,906.13	6,657.93	248.20	27.825		
6,600.00	6,138.73	6,140.73	6,140.73	42.73	212.65	126.17	-1,007.74	-5,698.49	6,931.03	6,679.03	252.00	27.504		
6,700.00	6,230.37	6,232.37	6,232.37	43.44	215.85	126.42	-1,007.74	-5,698.49	6,956.07	6,700.27	255.80	27.194		
6,712.03	6,241.39	6,243.39	6,243.39	43.52	216.24	126.45	-1,007.74	-5,698.49	6,959.09	6,702.84	256.25	27.157		
6,750.00	6,276.38	6,278.38	6,278.38	43.78	217.46	119.10	-1,007.74	-5,698.49	6,967.55	6,709.85	257.70	27.038		
6,800.00	6,322.91	6,324.91	6,324.91	44.09	219.08	108.14	-1,007.74	-5,698.49	6,975.36	6,715.76	259.60	26.870		
6,850.00	6,369.70	6,371.70	6,371.70	44.36	220.72	96.35	-1,007.74	-5,698.49	6,979.35	6,717.86	261.49	26.691		
6,900.00	6,416.45	6,418.45	6,418.45	44.59	222.35	84.73	-1,007.74	-5,698.49	6,979.50	6,716.15	263.35	26.503		
6,950.00	6,462.87	6,464.87	6,464.87	44.79	223.97	74.26	-1,007.74	-5,698.49	6,975.81	6,710.65	265.16	26.308		
7,000.00	6,508.69	6,510.69	6,510.69	44.95	225.57	65.45	-1,007.74	-5,698.49	6,968.31	6,701.40	266.91	26.107		
7,050.00	6,553.61	6,555.61	6,555.61	45.09	227.14	58.37	-1,007.74	-5,698.49	6,957.04	6,688.44	268.60	25.902		
7,100.00	6,597.37	6,600.63	6,599.37	45.20	228.71	52.81	-1,007.74	-5,698.49	6,942.08	6,671.83	270.25	25.688		
7,150.00	6,639.68	6,641.68	6,641.68	45.30	230.14	48.53	-1,007.74	-5,698.49	6,923.52	6,651.79	271.73	25.479		
7,200.00	6,680.29	6,682.29	6,682.29	45.39	231.56	45.28	-1,007.74	-5,698.49	6,901.48	6,628.31	273.17	25.264		
7,250.00	6,718.96	6,720.96	6,720.96	45.48	232.91	42.87	-1,007.74	-5,698.49	6,876.09	6,601.57	274.52	25.048		
7,300.00	6,755.43	6,757.43	6,757.43	45.57	234.18	41.17	-1,007.74	-5,698.49	6,847.50	6,571.74	275.77	24.831		
7,350.00	6,789.49	6,808.51	6,791.49	45.67	235.96	40.10	-1,007.74	-5,698.49	6,815.90	6,538.39	277.51	24.561		
7,400.00	6,820.93	6,822.93	6,822.93	45.77	236.47	39.59	-1,007.74	-5,698.49	6,781.47	6,503.51	277.96	24.397		
7,450.00	6,849.55	6,851.55	6,851.55	45.89	237.47	39.66	-1,007.74	-5,698.49	6,744.41	6,465.52	278.90	24.183		
7,500.00	6,875.17	6,877.17	6,877.17	46.02	238.36	40.33	-1,007.74	-5,698.49	6,704.97	6,425.25	279.72	23.970		
7,550.00	6,897.64	6,900.36	6,899.64	46.17	239.17	41.71	-1,007.74	-5,698.49	6,663.36	6,382.90	280.46	23.759		
7,600.00	6,916.82	6,918.82	6,918.82	46.35	239.81	44.00	-1,007.74	-5,698.49	6,619.85	6,338.82	281.04	23.555		
7,650.00	6,932.60	6,934.60	6,934.60	46.55	240.36	47.52	-1,007.74	-5,698.49	6,574.70	6,293.18	281.52	23.354		
7,700.00	6,944.86	6,946.86	6,946.86	46.78	240.79	52.86	-1,007.74	-5,698.49	6,528.18	6,246.29	281.89	23.158		
7,750.00	6,953.55	6,955.55	6,955.55	47.04	241.10	61.05	-1,007.74	-5,698.49	6,480.57	6,198.42	282.15	22.969		
7,800.00	6,958.59	6,960.59	6,960.59	47.33	241.27	73.76	-1,007.74	-5,698.49	6,432.15	6,149.86	282.29	22.786		
7,842.10	6,960.00	6,962.00	6,962.00	47.60	241.32	89.27	-1,007.74	-5,698.49	6,390.98	6,108.66	282.32	22.637		
7,900.00	6,960.15	6,962.15	6,962.15	48.01	241.33	89.28	-1,007.74	-5,698.49	6,334.19	6,051.89	282.30	22.438		
8,000.00	6,960.40	6,962.40	6,962.40	48.86	241.33	89.29	-1,007.74	-5,698.49	6,236.16	5,953.88	282.28	22.092		
8,100.00	6,960.65	6,962.65	6,962.65	49.87	241.34	89.30	-1,007.74	-5,698.49	6,138.20	5,855.93	282.27	21.746		
8,200.00	6,960.91	6,962.91	6,962.91	51.06	241.35	89.31	-1,007.74	-5,698.49	6,040.30	5,758.03	282.27	21.399		
8,300.00	6,961.16	6,963.16	6,963.16	52.41	241.36	89.32	-1,007.74	-5,698.49	5,942.47	5,660.19	282.28	21.051		
8,400.00	6,961.41	6,963.41	6,963.41	53.93	241.37	89.34	-1,007.74	-5,698.49	5,844.72	5,562.41	282.31	20.703		
8,500.00	6,961.66	6,963.66	6,963.66	55.59	241.38	89.35	-1,007.74	-5,698.49	5,747.04	5,464.69	282.35	20.354		
8,600.00	6,961.91	6,963.91	6,963.91	57.37	241.39	89.36	-1,007.74	-5,698.49	5,649.45	5,367.04	282.41	20.005		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #1-10-6-66(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,964.16	6,964.16	59.27	241.40	89.37	-1,007.74	-5,698.49	5,551.94	5,269.46	282.48	19.654		
8,800.00	6,962.42	6,964.42	6,964.42	61.26	241.41	89.38	-1,007.74	-5,698.49	5,454.52	5,171.94	282.57	19.303		
8,900.00	6,962.67	6,964.67	6,964.67	63.34	241.41	89.39	-1,007.74	-5,698.49	5,357.19	5,074.50	282.69	18.951		
9,000.00	6,962.92	6,964.92	6,964.92	65.49	241.42	89.41	-1,007.74	-5,698.49	5,259.97	4,977.14	282.83	18.598		
9,100.00	6,963.17	6,965.17	6,965.17	67.70	241.43	89.42	-1,007.74	-5,698.49	5,162.85	4,879.86	282.99	18.244		
9,200.00	6,963.42	6,965.42	6,965.42	69.97	241.44	89.43	-1,007.74	-5,698.49	5,065.84	4,782.67	283.18	17.889		
9,300.00	6,963.68	6,965.68	6,965.68	72.28	241.45	89.44	-1,007.74	-5,698.49	4,968.96	4,685.56	283.40	17.534		
9,400.00	6,963.93	6,965.93	6,965.93	74.64	241.46	89.45	-1,007.74	-5,698.49	4,872.20	4,588.55	283.65	17.177		
9,500.00	6,964.18	6,966.18	6,966.18	77.04	241.47	89.46	-1,007.74	-5,698.49	4,775.57	4,491.63	283.94	16.819		
9,600.00	6,964.43	6,966.43	6,966.43	79.48	241.48	89.48	-1,007.74	-5,698.49	4,679.08	4,394.82	284.26	16.460		
9,700.00	6,964.68	6,966.68	6,966.68	81.94	241.48	89.49	-1,007.74	-5,698.49	4,582.75	4,298.12	284.63	16.101		
9,800.00	6,964.94	6,966.94	6,966.94	84.43	241.49	89.50	-1,007.74	-5,698.49	4,486.57	4,201.53	285.04	15.740		
9,900.00	6,965.19	6,967.19	6,967.19	86.95	241.50	89.51	-1,007.74	-5,698.49	4,390.57	4,105.06	285.51	15.378		
10,000.00	6,965.44	6,967.44	6,967.44	89.49	241.51	89.52	-1,007.74	-5,698.49	4,294.74	4,008.72	286.02	15.015		
10,100.00	6,965.69	6,967.69	6,967.69	92.05	241.52	89.53	-1,007.74	-5,698.49	4,199.12	3,912.52	286.60	14.652		
10,200.00	6,965.94	6,967.94	6,967.94	94.63	241.53	89.55	-1,007.74	-5,698.49	4,103.70	3,816.46	287.23	14.287		
10,300.00	6,966.19	6,968.19	6,968.19	97.22	241.54	89.56	-1,007.74	-5,698.49	4,008.50	3,720.56	287.94	13.921		
10,400.00	6,966.45	6,968.45	6,968.45	99.83	241.55	89.57	-1,007.74	-5,698.49	3,913.54	3,624.82	288.72	13.555		
10,500.00	6,966.70	6,968.70	6,968.70	102.46	241.55	89.58	-1,007.74	-5,698.49	3,818.85	3,529.26	289.58	13.187		
10,600.00	6,966.95	6,968.95	6,968.95	105.09	241.56	89.59	-1,007.74	-5,698.49	3,724.42	3,433.89	290.53	12.819		
10,700.00	6,967.20	6,969.20	6,969.20	107.74	241.57	89.60	-1,007.74	-5,698.49	3,630.30	3,338.73	291.57	12.451		
10,800.00	6,967.45	6,969.45	6,969.45	110.41	241.58	89.62	-1,007.74	-5,698.49	3,536.50	3,243.79	292.72	12.082		
10,900.00	6,967.71	6,969.71	6,969.71	113.08	241.59	89.63	-1,007.74	-5,698.49	3,443.05	3,149.08	293.97	11.712		
11,000.00	6,967.96	6,969.96	6,969.96	115.76	241.60	89.64	-1,007.74	-5,698.49	3,349.98	3,054.64	295.34	11.343		
11,100.00	6,968.21	6,970.21	6,970.21	118.45	241.61	89.65	-1,007.74	-5,698.49	3,257.32	2,960.47	296.84	10.973		
11,200.00	6,968.46	6,970.46	6,970.46	121.15	241.62	89.66	-1,007.74	-5,698.49	3,165.10	2,866.62	298.48	10.604		
11,300.00	6,968.71	6,970.71	6,970.71	123.85	241.62	89.67	-1,007.74	-5,698.49	3,073.37	2,773.10	300.27	10.235		
11,400.00	6,968.97	6,970.97	6,970.97	126.56	241.63	89.68	-1,007.74	-5,698.49	2,982.17	2,679.96	302.21	9.868		
11,500.00	6,969.22	6,971.22	6,971.22	129.28	241.64	89.70	-1,007.74	-5,698.49	2,891.56	2,587.22	304.34	9.501		
11,600.00	6,969.47	6,971.47	6,971.47	132.01	241.65	89.71	-1,007.74	-5,698.49	2,801.58	2,494.94	306.64	9.136		
11,700.00	6,969.72	6,971.72	6,971.72	134.74	241.66	89.72	-1,007.74	-5,698.49	2,712.31	2,403.16	309.15	8.773		
11,800.00	6,969.97	6,971.97	6,971.97	137.48	241.67	89.73	-1,007.74	-5,698.49	2,623.81	2,311.93	311.88	8.413		
11,900.00	6,970.22	6,972.22	6,972.22	140.22	241.68	89.74	-1,007.74	-5,698.49	2,536.16	2,221.32	314.84	8.055		
12,000.00	6,970.48	6,972.48	6,972.48	142.97	241.69	89.75	-1,007.74	-5,698.49	2,449.46	2,131.41	318.05	7.701		
12,100.00	6,970.73	6,972.73	6,972.73	145.72	241.70	89.77	-1,007.74	-5,698.49	2,363.82	2,042.28	321.53	7.352		
12,200.00	6,970.98	6,972.98	6,972.98	148.47	241.70	89.78	-1,007.74	-5,698.49	2,279.34	1,954.03	325.30	7.007		
12,300.00	6,971.23	6,973.23	6,973.23	151.23	241.71	89.79	-1,007.74	-5,698.49	2,196.16	1,866.78	329.38	6.668		
12,400.00	6,971.48	6,973.48	6,973.48	154.00	241.72	89.80	-1,007.74	-5,698.49	2,114.45	1,780.65	333.79	6.335		
12,500.00	6,971.74	6,973.74	6,973.74	156.76	241.73	89.81	-1,007.74	-5,698.49	2,034.36	1,695.81	338.55	6.009		
12,600.00	6,971.99	6,973.99	6,973.99	159.53	241.74	89.82	-1,007.74	-5,698.49	1,956.11	1,612.44	343.68	5.692		
12,700.00	6,972.24	6,974.24	6,974.24	162.31	241.75	89.84	-1,007.74	-5,698.49	1,879.93	1,530.74	349.19	5.384		
12,800.00	6,972.49	6,974.49	6,974.49	165.09	241.76	89.85	-1,007.74	-5,698.49	1,806.07	1,450.98	355.09	5.086		
12,900.00	6,972.74	6,974.74	6,974.74	167.86	241.77	89.86	-1,007.74	-5,698.49	1,734.83	1,373.44	361.39	4.800		
13,002.01	6,973.00	6,975.00	6,975.00	170.70	241.77	89.87	-1,007.74	-5,698.49	1,665.21	1,297.00	368.21	4.522 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
0.00	0.00	40.00	40.00	3.28	3.35	-77.07	1,621.81	-7,065.48	7,249.22								
100.00	100.00	140.00	140.00	3.28	4.54	-77.07	1,621.81	-7,065.48	7,249.22	7,241.40	7.83	926.215					
200.00	200.00	240.00	240.00	3.34	7.40	-77.07	1,621.81	-7,065.48	7,249.22	7,238.49	10.74	675.187					
300.00	300.00	340.00	340.00	3.44	10.64	-77.07	1,621.81	-7,065.48	7,249.22	7,235.14	14.09	514.608					
400.00	399.98	439.98	439.98	3.60	14.00	133.52	1,621.81	-7,065.48	7,250.43	7,232.83	17.60	411.962					
500.00	499.84	539.84	539.84	3.79	17.41	133.50	1,621.81	-7,065.48	7,254.03	7,232.83	21.20	342.190					
600.00	599.45	639.45	639.45	4.02	20.84	133.46	1,621.81	-7,065.48	7,260.04	7,235.18	24.86	292.068					
700.00	698.70	738.70	738.70	4.29	24.27	133.41	1,621.81	-7,065.48	7,268.45	7,239.90	28.56	254.538					
800.00	797.47	837.47	837.47	4.60	27.69	133.34	1,621.81	-7,065.48	7,279.27	7,246.99	32.28	225.507					
900.00	895.62	935.62	935.62	4.94	31.09	133.25	1,621.81	-7,065.48	7,292.48	7,256.46	36.02	202.459					
1,000.00	993.06	1,033.06	1,033.06	5.31	34.47	133.15	1,621.81	-7,065.48	7,308.09	7,268.32	39.77	183.771					
1,100.00	1,089.64	1,129.64	1,129.64	5.72	37.83	133.03	1,621.81	-7,065.48	7,326.10	7,282.58	43.52	168.353					
1,200.00	1,185.27	1,225.27	1,225.27	6.17	41.16	132.88	1,621.81	-7,065.48	7,346.49	7,299.23	47.26	155.447					
1,300.00	1,279.82	1,319.82	1,319.82	6.65	44.45	132.72	1,621.81	-7,065.48	7,369.28	7,318.28	51.00	144.508					
1,400.00	1,373.17	1,413.17	1,413.17	7.17	47.70	132.54	1,621.81	-7,065.48	7,394.44	7,339.72	54.72	135.141					
1,479.95	1,446.87	1,486.87	1,486.87	7.61	50.27	132.37	1,621.81	-7,065.48	7,416.26	7,358.58	57.68	128.578					
1,500.00	1,465.24	1,505.24	1,505.24	7.72	50.91	132.42	1,621.81	-7,065.48	7,421.93	7,363.50	58.42	127.041					
1,600.00	1,556.88	1,603.12	1,596.88	8.31	54.32	132.63	1,621.81	-7,065.48	7,450.25	7,387.90	62.34	119.507					
1,700.00	1,648.52	1,688.52	1,688.52	8.92	57.29	132.85	1,621.81	-7,065.48	7,478.67	7,412.83	65.84	113.586					
1,800.00	1,740.15	1,780.15	1,780.15	9.54	60.49	133.06	1,621.81	-7,065.48	7,507.20	7,437.63	69.57	107.908					
1,900.00	1,831.79	1,871.79	1,871.79	10.17	63.68	133.28	1,621.81	-7,065.48	7,535.84	7,462.53	73.31	102.795					
2,000.00	1,923.43	1,963.43	1,963.43	10.81	66.88	133.49	1,621.81	-7,065.48	7,564.58	7,487.52	77.06	98.170					
2,100.00	2,015.06	2,055.06	2,055.06	11.46	70.07	133.70	1,621.81	-7,065.48	7,593.42	7,512.61	80.81	93.968					
2,200.00	2,106.70	2,146.70	2,146.70	12.11	73.27	133.90	1,621.81	-7,065.48	7,622.37	7,537.80	84.57	90.134					
2,300.00	2,198.34	2,238.34	2,238.34	12.78	76.47	134.11	1,621.81	-7,065.48	7,651.41	7,563.08	88.33	86.624					
2,400.00	2,289.98	2,329.98	2,329.98	13.44	79.66	134.32	1,621.81	-7,065.48	7,680.55	7,588.46	92.10	83.398					
2,500.00	2,381.61	2,421.61	2,421.61	14.11	82.86	134.52	1,621.81	-7,065.48	7,709.79	7,613.93	95.86	80.424					
2,600.00	2,473.25	2,513.25	2,513.25	14.79	86.05	134.72	1,621.81	-7,065.48	7,739.13	7,639.49	99.64	77.674					
2,700.00	2,564.89	2,604.89	2,604.89	15.47	89.25	134.92	1,621.81	-7,065.48	7,768.56	7,665.15	103.41	75.125					
2,800.00	2,656.52	2,703.48	2,696.52	16.15	92.69	135.12	1,621.81	-7,065.48	7,798.09	7,690.66	107.43	72.590					
2,900.00	2,748.16	2,788.16	2,788.16	16.83	95.65	135.32	1,621.81	-7,065.48	7,827.71	7,716.75	110.96	70.545					
3,000.00	2,839.80	2,879.80	2,879.80	17.52	98.84	135.52	1,621.81	-7,065.48	7,857.42	7,742.68	114.74	68.482					
3,100.00	2,931.43	2,971.43	2,971.43	18.20	102.04	135.72	1,621.81	-7,065.48	7,887.22	7,768.71	118.52	66.550					
3,200.00	3,023.07	3,063.07	3,063.07	18.89	105.24	135.91	1,621.81	-7,065.48	7,917.12	7,794.82	122.29	64.739					
3,300.00	3,114.71	3,154.71	3,154.71	19.58	108.44	136.10	1,621.81	-7,065.48	7,947.10	7,821.03	126.07	63.036					
3,400.00	3,206.35	3,246.35	3,246.35	20.27	111.63	136.29	1,621.81	-7,065.48	7,977.17	7,847.32	129.85	61.433					
3,500.00	3,297.98	3,337.98	3,337.98	20.97	114.83	136.48	1,621.81	-7,065.48	8,007.33	7,873.70	133.63	59.921					
3,600.00	3,389.62	3,429.62	3,429.62	21.66	118.03	136.67	1,621.81	-7,065.48	8,037.58	7,900.17	137.41	58.493					
3,700.00	3,481.26	3,521.26	3,521.26	22.36	121.23	136.86	1,621.81	-7,065.48	8,067.91	7,926.72	141.19	57.143					
3,800.00	3,572.89	3,612.89	3,612.89	23.05	124.42	137.05	1,621.81	-7,065.48	8,098.32	7,953.35	144.97	55.863					
3,900.00	3,664.53	3,704.53	3,704.53	23.75	127.62	137.23	1,621.81	-7,065.48	8,128.82	7,980.07	148.75	54.649					
4,000.00	3,756.17	3,803.83	3,796.17	24.45	131.09	137.42	1,621.81	-7,065.48	8,159.40	8,006.60	152.79	53.402					
4,100.00	3,847.80	3,887.80	3,887.80	25.14	134.02	137.60	1,621.81	-7,065.48	8,190.06	8,033.76	156.30	52.398					
4,200.00	3,939.44	3,979.44	3,979.44	25.84	137.22	137.78	1,621.81	-7,065.48	8,220.80	8,060.72	160.08	51.354					
4,300.00	4,031.08	4,071.08	4,071.08	26.54	140.41	137.96	1,621.81	-7,065.48	8,251.62	8,087.76	163.86	50.358					
4,400.00	4,122.72	4,162.72	4,162.72	27.24	143.61	138.14	1,621.81	-7,065.48	8,282.52	8,114.89	167.64	49.408					
4,500.00	4,214.35	4,254.35	4,254.35	27.94	146.81	138.32	1,621.81	-7,065.48	8,313.50	8,142.09	171.41	48.500					
4,600.00	4,305.99	4,345.99	4,345.99	28.64	150.01	138.49	1,621.81	-7,065.48	8,344.56	8,169.37	175.19	47.632					
4,700.00	4,397.63	4,437.63	4,437.63	29.35	153.21	138.67	1,621.81	-7,065.48	8,375.69	8,196.73	178.96	46.801					
4,800.00	4,489.26	4,529.26	4,529.26	30.05	156.41	138.84	1,621.81	-7,065.48	8,406.90	8,224.16	182.74	46.005					
4,900.00	4,580.90	4,620.90	4,620.90	30.75	159.60	139.01	1,621.81	-7,065.48	8,438.18	8,251.67	186.51	45.242					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,672.54	4,712.54	4,712.54	31.45	162.80	139.19	1,621.81	-7,065.48	8,469.53	8,279.25	190.29	44.509			
5,100.00	4,764.17	4,804.17	4,804.17	32.16	166.00	139.36	1,621.81	-7,065.48	8,500.96	8,306.90	194.06	43.806			
5,200.00	4,855.81	4,904.19	4,895.81	32.86	169.49	139.52	1,621.81	-7,065.48	8,532.46	8,334.34	198.13	43.066			
5,300.00	4,947.45	4,987.45	4,987.45	33.56	172.40	139.69	1,621.81	-7,065.48	8,564.03	8,362.43	201.60	42.479			
5,400.00	5,039.08	5,079.08	5,079.08	34.27	175.60	139.86	1,621.81	-7,065.48	8,595.68	8,390.30	205.38	41.853			
5,500.00	5,130.72	5,170.72	5,170.72	34.97	178.79	140.02	1,621.81	-7,065.48	8,627.39	8,418.24	209.15	41.250			
5,600.00	5,222.36	5,262.36	5,262.36	35.68	181.99	140.19	1,621.81	-7,065.48	8,659.17	8,446.25	212.92	40.669			
5,700.00	5,314.00	5,354.00	5,354.00	36.38	185.19	140.35	1,621.81	-7,065.48	8,691.02	8,474.33	216.69	40.109			
5,800.00	5,405.63	5,445.63	5,445.63	37.08	188.39	140.51	1,621.81	-7,065.48	8,722.93	8,502.48	220.46	39.568			
5,900.00	5,497.27	5,537.27	5,537.27	37.79	191.59	140.68	1,621.81	-7,065.48	8,754.92	8,530.69	224.22	39.045			
6,000.00	5,588.91	5,628.91	5,628.91	38.50	194.79	140.84	1,621.81	-7,065.48	8,786.97	8,558.97	227.99	38.541			
6,100.00	5,680.54	5,720.54	5,720.54	39.20	197.99	141.00	1,621.81	-7,065.48	8,819.08	8,587.32	231.76	38.053			
6,200.00	5,772.18	5,812.18	5,812.18	39.91	201.18	141.15	1,621.81	-7,065.48	8,851.26	8,615.73	235.53	37.581			
6,300.00	5,863.82	5,903.82	5,903.82	40.61	204.38	141.31	1,621.81	-7,065.48	8,883.50	8,644.21	239.29	37.124			
6,400.00	5,955.45	6,004.55	5,995.45	41.32	207.90	141.47	1,621.81	-7,065.48	8,915.81	8,672.43	243.37	36.634			
6,500.00	6,047.09	6,087.09	6,087.09	42.02	210.78	141.62	1,621.81	-7,065.48	8,948.18	8,701.35	246.82	36.254			
6,600.00	6,138.73	6,178.73	6,178.73	42.73	213.98	141.77	1,621.81	-7,065.48	8,980.61	8,730.02	250.59	35.838			
6,700.00	6,230.37	6,270.37	6,270.37	43.44	217.18	141.93	1,621.81	-7,065.48	9,013.10	8,758.75	254.35	35.436			
6,712.03	6,241.39	6,281.39	6,281.39	43.52	217.56	141.94	1,621.81	-7,065.48	9,017.01	8,762.21	254.80	35.388			
6,750.00	6,276.38	6,316.38	6,316.38	43.78	218.78	134.24	1,621.81	-7,065.48	9,028.38	8,772.14	256.23	35.235			
6,800.00	6,322.91	6,362.91	6,362.91	44.09	220.41	122.91	1,621.81	-7,065.48	9,040.29	8,782.16	258.13	35.022			
6,850.00	6,369.70	6,409.70	6,409.70	44.36	222.04	110.83	1,621.81	-7,065.48	9,048.68	8,788.67	260.02	34.801			
6,900.00	6,416.45	6,456.45	6,456.45	44.59	223.67	99.02	1,621.81	-7,065.48	9,053.50	8,791.62	261.88	34.571			
6,950.00	6,462.87	6,502.87	6,502.87	44.79	225.29	88.43	1,621.81	-7,065.48	9,054.73	8,791.03	263.70	34.337			
7,000.00	6,508.69	6,548.69	6,548.69	44.95	226.89	79.58	1,621.81	-7,065.48	9,052.37	8,786.90	265.46	34.100			
7,050.00	6,553.61	6,606.39	6,593.61	45.09	228.91	72.52	1,621.81	-7,065.48	9,046.44	8,778.83	267.61	33.805			
7,100.00	6,597.37	6,637.37	6,637.37	45.20	229.99	67.06	1,621.81	-7,065.48	9,036.99	8,768.20	268.79	33.621			
7,150.00	6,639.68	6,679.68	6,679.68	45.30	231.47	62.95	1,621.81	-7,065.48	9,024.08	8,753.76	270.33	33.382			
7,200.00	6,680.29	6,720.29	6,720.29	45.39	232.88	59.94	1,621.81	-7,065.48	9,007.81	8,736.03	271.78	33.144			
7,250.00	6,718.96	6,758.96	6,758.96	45.48	234.23	57.85	1,621.81	-7,065.48	8,988.27	8,715.14	273.14	32.908			
7,300.00	6,755.43	6,804.57	6,795.43	45.57	235.83	56.55	1,621.81	-7,065.48	8,965.60	8,690.89	274.72	32.636			
7,350.00	6,789.49	6,829.49	6,829.49	45.67	236.70	55.93	1,621.81	-7,065.48	8,939.94	8,664.38	275.55	32.443			
7,400.00	6,820.93	6,860.93	6,860.93	45.77	237.79	55.96	1,621.81	-7,065.48	8,911.45	8,634.84	276.61	32.217			
7,450.00	6,849.55	6,889.55	6,889.55	45.89	238.79	56.62	1,621.81	-7,065.48	8,880.31	8,602.75	277.56	31.994			
7,500.00	6,875.17	6,915.17	6,915.17	46.02	239.69	57.91	1,621.81	-7,065.48	8,846.71	8,568.30	278.40	31.776			
7,550.00	6,897.64	6,937.64	6,937.64	46.17	240.47	59.88	1,621.81	-7,065.48	8,810.86	8,531.71	279.14	31.564			
7,600.00	6,916.82	6,956.82	6,956.82	46.35	241.14	62.60	1,621.81	-7,065.48	8,772.98	8,493.20	279.78	31.357			
7,650.00	6,932.60	6,972.60	6,972.60	46.55	241.69	66.17	1,621.81	-7,065.48	8,733.30	8,452.99	280.30	31.157			
7,700.00	6,944.86	6,984.86	6,984.86	46.78	242.12	70.71	1,621.81	-7,065.48	8,692.05	8,411.33	280.72	30.963			
7,750.00	6,953.55	7,006.45	6,993.55	47.04	242.87	76.32	1,621.81	-7,065.48	8,649.50	8,368.02	281.49	30.728			
7,800.00	6,958.59	7,001.41	6,998.59	47.33	242.70	83.10	1,621.81	-7,065.48	8,605.90	8,324.56	281.34	30.589			
7,842.10	6,960.00	7,000.00	7,000.00	47.60	242.65	89.71	1,621.81	-7,065.48	8,568.56	8,287.22	281.33	30.457			
7,900.00	6,960.15	7,000.15	7,000.15	48.01	242.65	89.72	1,621.81	-7,065.48	8,516.92	8,235.51	281.41	30.265			
8,000.00	6,960.40	7,000.40	7,000.40	48.86	242.66	89.72	1,621.81	-7,065.48	8,427.94	8,146.34	281.60	29.929			
8,100.00	6,960.65	7,000.65	7,000.65	49.87	242.67	89.72	1,621.81	-7,065.48	8,339.21	8,057.37	281.83	29.589			
8,200.00	6,960.91	7,000.91	7,000.91	51.06	242.68	89.73	1,621.81	-7,065.48	8,250.73	7,968.60	282.13	29.244			
8,300.00	6,961.16	7,001.16	7,001.16	52.41	242.69	89.73	1,621.81	-7,065.48	8,162.52	7,880.03	282.49	28.895			
8,400.00	6,961.41	7,001.41	7,001.41	53.93	242.70	89.74	1,621.81	-7,065.48	8,074.59	7,791.68	282.91	28.541			
8,500.00	6,961.66	7,001.66	7,001.66	55.59	242.71	89.74	1,621.81	-7,065.48	7,986.94	7,703.54	283.40	28.182			
8,600.00	6,961.91	7,001.91	7,001.91	57.37	242.71	89.74	1,621.81	-7,065.48	7,899.58	7,615.62	283.96	27.819			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #32-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	7,002.16	7,002.16	59.27	242.72	89.75	1,621.81	-7,065.48	7,812.53	7,527.94	284.59	27.452		
8,800.00	6,962.42	7,002.42	7,002.42	61.26	242.73	89.75	1,621.81	-7,065.48	7,725.79	7,440.50	285.29	27.081		
8,900.00	6,962.67	7,002.67	7,002.67	63.34	242.74	89.75	1,621.81	-7,065.48	7,639.37	7,353.31	286.06	26.705		
9,000.00	6,962.92	7,002.92	7,002.92	65.49	242.75	89.76	1,621.81	-7,065.48	7,553.29	7,266.39	286.91	26.327		
9,100.00	6,963.17	7,003.17	7,003.17	67.70	242.76	89.76	1,621.81	-7,065.48	7,467.56	7,179.73	287.83	25.945		
9,200.00	6,963.42	7,003.42	7,003.42	69.97	242.77	89.77	1,621.81	-7,065.48	7,382.19	7,093.36	288.82	25.560		
9,300.00	6,963.68	7,003.68	7,003.68	72.28	242.78	89.77	1,621.81	-7,065.48	7,297.18	7,007.29	289.89	25.172		
9,400.00	6,963.93	7,003.93	7,003.93	74.64	242.78	89.77	1,621.81	-7,065.48	7,212.56	6,921.52	291.04	24.782		
9,500.00	6,964.18	7,004.18	7,004.18	77.04	242.79	89.78	1,621.81	-7,065.48	7,128.34	6,836.08	292.27	24.390		
9,600.00	6,964.43	7,004.43	7,004.43	79.48	242.80	89.78	1,621.81	-7,065.48	7,044.54	6,750.97	293.57	23.996		
9,700.00	6,964.68	7,004.68	7,004.68	81.94	242.81	89.78	1,621.81	-7,065.48	6,961.16	6,666.21	294.95	23.601		
9,800.00	6,964.94	7,004.94	7,004.94	84.43	242.82	89.79	1,621.81	-7,065.48	6,878.22	6,581.81	296.41	23.205		
9,900.00	6,965.19	7,005.19	7,005.19	86.95	242.83	89.79	1,621.81	-7,065.48	6,795.74	6,497.80	297.94	22.809		
10,000.00	6,965.44	7,005.44	7,005.44	89.49	242.84	89.80	1,621.81	-7,065.48	6,713.74	6,414.18	299.56	22.412		
10,100.00	6,965.69	7,005.69	7,005.69	92.05	242.85	89.80	1,621.81	-7,065.48	6,632.23	6,330.98	301.25	22.016		
10,200.00	6,965.94	7,005.94	7,005.94	94.63	242.85	89.80	1,621.81	-7,065.48	6,551.24	6,248.21	303.02	21.620		
10,300.00	6,966.19	7,006.19	7,006.19	97.22	242.86	89.81	1,621.81	-7,065.48	6,470.77	6,165.90	304.87	21.224		
10,400.00	6,966.45	7,006.45	7,006.45	99.83	242.87	89.81	1,621.81	-7,065.48	6,390.86	6,084.06	306.80	20.830		
10,500.00	6,966.70	7,006.70	7,006.70	102.46	242.88	89.81	1,621.81	-7,065.48	6,311.52	6,002.71	308.81	20.438		
10,600.00	6,966.95	7,006.95	7,006.95	105.09	242.89	89.82	1,621.81	-7,065.48	6,232.78	5,921.88	310.90	20.047		
10,700.00	6,967.20	7,007.20	7,007.20	107.74	242.90	89.82	1,621.81	-7,065.48	6,154.65	5,841.58	313.07	19.659		
10,800.00	6,967.45	7,007.45	7,007.45	110.41	242.91	89.82	1,621.81	-7,065.48	6,077.16	5,761.84	315.32	19.273		
10,900.00	6,967.71	7,007.71	7,007.71	113.08	242.92	89.83	1,621.81	-7,065.48	6,000.34	5,682.70	317.65	18.890		
11,000.00	6,967.96	7,007.96	7,007.96	115.76	242.92	89.83	1,621.81	-7,065.48	5,924.22	5,604.16	320.06	18.510		
11,100.00	6,968.21	7,008.21	7,008.21	118.45	242.93	89.84	1,621.81	-7,065.48	5,848.81	5,526.26	322.55	18.133		
11,200.00	6,968.46	7,008.46	7,008.46	121.15	242.94	89.84	1,621.81	-7,065.48	5,774.14	5,449.02	325.12	17.760		
11,300.00	6,968.71	7,008.71	7,008.71	123.85	242.95	89.84	1,621.81	-7,065.48	5,700.26	5,372.49	327.77	17.391		
11,400.00	6,968.97	7,008.97	7,008.97	126.56	242.96	89.85	1,621.81	-7,065.48	5,627.18	5,296.67	330.51	17.026		
11,500.00	6,969.22	7,009.22	7,009.22	129.28	242.97	89.85	1,621.81	-7,065.48	5,554.94	5,221.62	333.32	16.665		
11,600.00	6,969.47	7,009.47	7,009.47	132.01	242.98	89.85	1,621.81	-7,065.48	5,483.57	5,147.35	336.22	16.309		
11,700.00	6,969.72	7,009.72	7,009.72	134.74	242.99	89.86	1,621.81	-7,065.48	5,413.11	5,073.91	339.20	15.958		
11,800.00	6,969.97	7,009.97	7,009.97	137.48	243.00	89.86	1,621.81	-7,065.48	5,343.59	5,001.33	342.26	15.613		
11,900.00	6,970.22	7,010.22	7,010.22	140.22	243.00	89.87	1,621.81	-7,065.48	5,275.05	4,929.64	345.41	15.272		
12,000.00	6,970.48	7,010.48	7,010.48	142.97	243.01	89.87	1,621.81	-7,065.48	5,207.53	4,858.90	348.63	14.937		
12,100.00	6,970.73	7,010.73	7,010.73	145.72	243.02	89.87	1,621.81	-7,065.48	5,141.07	4,789.13	351.93	14.608		
12,200.00	6,970.98	7,010.98	7,010.98	148.47	243.03	89.88	1,621.81	-7,065.48	5,075.70	4,720.39	355.32	14.285		
12,300.00	6,971.23	7,011.23	7,011.23	151.23	243.04	89.88	1,621.81	-7,065.48	5,011.48	4,652.70	358.78	13.968		
12,400.00	6,971.48	7,011.48	7,011.48	154.00	243.05	89.88	1,621.81	-7,065.48	4,948.45	4,586.13	362.32	13.658		
12,500.00	6,971.74	7,011.74	7,011.74	156.76	243.06	89.89	1,621.81	-7,065.48	4,886.65	4,520.72	365.93	13.354		
12,600.00	6,971.99	7,011.99	7,011.99	159.53	243.07	89.89	1,621.81	-7,065.48	4,826.13	4,456.51	369.62	13.057		
12,700.00	6,972.24	7,012.24	7,012.24	162.31	243.07	89.90	1,621.81	-7,065.48	4,766.95	4,393.56	373.38	12.767		
12,800.00	6,972.49	7,012.49	7,012.49	165.09	243.08	89.90	1,621.81	-7,065.48	4,709.14	4,331.92	377.21	12.484		
12,900.00	6,972.74	7,012.74	7,012.74	167.86	243.09	89.90	1,621.81	-7,065.48	4,652.76	4,271.65	381.11	12.208		
13,002.01	6,973.00	7,013.00	7,013.00	170.70	243.10	89.91	1,621.81	-7,065.48	4,596.78	4,211.63	385.15	11.935 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	30.00	30.00	3.28	3.32	-75.98	1,428.38	-5,722.39	5,897.97					
100.00	100.00	130.00	130.00	3.28	4.31	-75.98	1,428.38	-5,722.39	5,897.97	5,890.38	7.59	776.804		
200.00	200.00	230.00	230.00	3.34	7.09	-75.98	1,428.38	-5,722.39	5,897.97	5,887.55	10.43	565.732		
300.00	300.00	330.00	330.00	3.44	10.31	-75.98	1,428.38	-5,722.39	5,897.97	5,884.22	13.76	428.776		
400.00	399.98	429.98	429.98	3.60	13.66	134.61	1,428.38	-5,722.39	5,899.20	5,881.94	17.26	341.772		
500.00	499.84	529.84	529.84	3.79	17.07	134.59	1,428.38	-5,722.39	5,902.87	5,882.02	20.86	283.028		
600.00	599.45	629.45	629.45	4.02	20.49	134.57	1,428.38	-5,722.39	5,909.00	5,884.49	24.51	241.058		
700.00	698.70	728.70	728.70	4.29	23.92	134.53	1,428.38	-5,722.39	5,917.59	5,889.38	28.21	209.771		
800.00	797.47	827.47	827.47	4.60	27.34	134.48	1,428.38	-5,722.39	5,928.62	5,896.69	31.93	185.658		
900.00	895.62	925.62	925.62	4.94	30.74	134.41	1,428.38	-5,722.39	5,942.11	5,906.43	35.67	166.576		
1,000.00	993.06	1,023.06	1,023.06	5.31	34.13	134.33	1,428.38	-5,722.39	5,958.05	5,918.63	39.42	151.147		
1,100.00	1,089.64	1,119.64	1,119.64	5.72	37.49	134.24	1,428.38	-5,722.39	5,976.44	5,933.27	43.17	138.451		
1,200.00	1,185.27	1,215.27	1,215.27	6.17	40.81	134.13	1,428.38	-5,722.39	5,997.28	5,950.37	46.91	127.848		
1,300.00	1,279.82	1,309.82	1,309.82	6.65	44.10	134.00	1,428.38	-5,722.39	6,020.57	5,969.93	50.64	118.885		
1,400.00	1,373.17	1,403.17	1,403.17	7.17	47.35	133.86	1,428.38	-5,722.39	6,046.31	5,991.94	54.36	111.226		
1,479.95	1,446.87	1,476.87	1,476.87	7.61	49.92	133.72	1,428.38	-5,722.39	6,068.64	6,011.32	57.32	105.872		
1,500.00	1,465.24	1,504.76	1,495.24	7.72	50.89	133.78	1,428.38	-5,722.39	6,074.44	6,016.04	58.39	104.026		
1,600.00	1,556.88	1,586.88	1,586.88	8.31	53.75	134.04	1,428.38	-5,722.39	6,103.43	6,041.67	61.76	98.825		
1,700.00	1,648.52	1,678.52	1,678.52	8.92	56.95	134.29	1,428.38	-5,722.39	6,132.55	6,067.08	65.47	93.666		
1,800.00	1,740.15	1,770.15	1,770.15	9.54	60.14	134.55	1,428.38	-5,722.39	6,161.79	6,092.59	69.20	89.048		
1,900.00	1,831.79	1,861.79	1,861.79	10.17	63.33	134.80	1,428.38	-5,722.39	6,191.15	6,118.22	72.93	84.892		
2,000.00	1,923.43	1,953.43	1,953.43	10.81	66.53	135.05	1,428.38	-5,722.39	6,220.64	6,143.97	76.67	81.135		
2,100.00	2,015.06	2,045.06	2,045.06	11.46	69.73	135.30	1,428.38	-5,722.39	6,250.23	6,169.82	80.42	77.723		
2,200.00	2,106.70	2,136.70	2,136.70	12.11	72.92	135.55	1,428.38	-5,722.39	6,279.95	6,195.78	84.17	74.611		
2,300.00	2,198.34	2,228.34	2,228.34	12.78	76.12	135.79	1,428.38	-5,722.39	6,309.78	6,221.85	87.92	71.764		
2,400.00	2,289.98	2,319.98	2,319.98	13.44	79.31	136.04	1,428.38	-5,722.39	6,339.72	6,248.03	91.68	69.148		
2,500.00	2,381.61	2,411.61	2,411.61	14.11	82.51	136.28	1,428.38	-5,722.39	6,369.77	6,274.32	95.45	66.737		
2,600.00	2,473.25	2,503.25	2,503.25	14.79	85.71	136.51	1,428.38	-5,722.39	6,399.93	6,300.72	99.21	64.509		
2,700.00	2,564.89	2,605.11	2,594.89	15.47	89.26	136.75	1,428.38	-5,722.39	6,430.20	6,326.87	103.33	62.229		
2,800.00	2,656.52	2,686.52	2,686.52	16.15	92.10	136.98	1,428.38	-5,722.39	6,460.58	6,353.83	106.74	60.525		
2,900.00	2,748.16	2,778.16	2,778.16	16.83	95.30	137.22	1,428.38	-5,722.39	6,491.06	6,380.55	110.51	58.737		
3,000.00	2,839.80	2,869.80	2,869.80	17.52	98.49	137.45	1,428.38	-5,722.39	6,521.64	6,407.36	114.28	57.068		
3,100.00	2,931.43	2,961.43	2,961.43	18.20	101.69	137.67	1,428.38	-5,722.39	6,552.32	6,434.28	118.05	55.505		
3,200.00	3,023.07	3,053.07	3,053.07	18.89	104.89	137.90	1,428.38	-5,722.39	6,583.11	6,461.29	121.82	54.040		
3,300.00	3,114.71	3,144.71	3,144.71	19.58	108.09	138.12	1,428.38	-5,722.39	6,613.99	6,488.41	125.59	52.664		
3,400.00	3,206.35	3,236.35	3,236.35	20.27	111.28	138.35	1,428.38	-5,722.39	6,644.98	6,515.62	129.36	51.369		
3,500.00	3,297.98	3,327.98	3,327.98	20.97	114.48	138.57	1,428.38	-5,722.39	6,676.05	6,542.93	133.13	50.147		
3,600.00	3,389.62	3,419.62	3,419.62	21.66	117.68	138.79	1,428.38	-5,722.39	6,707.23	6,570.33	136.90	48.994		
3,700.00	3,481.26	3,511.26	3,511.26	22.36	120.88	139.00	1,428.38	-5,722.39	6,738.49	6,597.83	140.67	47.903		
3,800.00	3,572.89	3,602.89	3,602.89	23.05	124.08	139.22	1,428.38	-5,722.39	6,769.85	6,625.42	144.44	46.870		
3,900.00	3,664.53	3,705.47	3,694.53	23.75	127.65	139.43	1,428.38	-5,722.39	6,801.30	6,652.72	148.59	45.772		
4,000.00	3,756.17	3,786.17	3,786.17	24.45	130.47	139.64	1,428.38	-5,722.39	6,832.84	6,680.87	151.98	44.960		
4,100.00	3,847.80	3,877.80	3,877.80	25.14	133.67	139.85	1,428.38	-5,722.39	6,864.47	6,708.73	155.74	44.075		
4,200.00	3,939.44	3,969.44	3,969.44	25.84	136.87	140.06	1,428.38	-5,722.39	6,896.19	6,736.68	159.51	43.233		
4,300.00	4,031.08	4,061.08	4,061.08	26.54	140.07	140.26	1,428.38	-5,722.39	6,927.99	6,764.71	163.28	42.430		
4,400.00	4,122.72	4,152.72	4,152.72	27.24	143.26	140.47	1,428.38	-5,722.39	6,959.88	6,792.83	167.05	41.664		
4,500.00	4,214.35	4,244.35	4,244.35	27.94	146.46	140.67	1,428.38	-5,722.39	6,991.85	6,821.04	170.81	40.933		
4,600.00	4,305.99	4,335.99	4,335.99	28.64	149.66	140.87	1,428.38	-5,722.39	7,023.90	6,849.32	174.58	40.233		
4,700.00	4,397.63	4,427.63	4,427.63	29.35	152.86	141.07	1,428.38	-5,722.39	7,056.04	6,877.69	178.34	39.564		
4,800.00	4,489.26	4,519.26	4,519.26	30.05	156.06	141.26	1,428.38	-5,722.39	7,088.25	6,906.15	182.11	38.923		
4,900.00	4,580.90	4,610.90	4,610.90	30.75	159.26	141.46	1,428.38	-5,722.39	7,120.55	6,934.68	185.87	38.309		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,702.54	4,702.54	31.45	162.45	141.65	1,428.38	-5,722.39	7,152.92	6,963.29	189.64	37.719		
5,100.00	4,764.17	4,805.83	4,794.17	32.16	166.06	141.84	1,428.38	-5,722.39	7,185.37	6,991.57	193.81	37.075		
5,200.00	4,855.81	4,885.81	4,885.81	32.86	168.85	142.03	1,428.38	-5,722.39	7,217.90	7,020.74	197.16	36.609		
5,300.00	4,947.45	4,977.45	4,977.45	33.56	172.05	142.22	1,428.38	-5,722.39	7,250.50	7,049.58	200.92	36.086		
5,400.00	5,039.08	5,069.08	5,069.08	34.27	175.25	142.41	1,428.38	-5,722.39	7,283.18	7,078.49	204.68	35.583		
5,500.00	5,130.72	5,160.72	5,160.72	34.97	178.45	142.60	1,428.38	-5,722.39	7,315.93	7,107.48	208.44	35.098		
5,600.00	5,222.36	5,252.36	5,252.36	35.68	181.64	142.78	1,428.38	-5,722.39	7,348.75	7,136.54	212.20	34.631		
5,700.00	5,314.00	5,344.00	5,344.00	36.38	184.84	142.96	1,428.38	-5,722.39	7,381.64	7,165.68	215.96	34.180		
5,800.00	5,405.63	5,435.63	5,435.63	37.08	188.04	143.14	1,428.38	-5,722.39	7,414.60	7,194.88	219.72	33.746		
5,900.00	5,497.27	5,527.27	5,527.27	37.79	191.24	143.32	1,428.38	-5,722.39	7,447.63	7,224.16	223.48	33.326		
6,000.00	5,588.91	5,618.91	5,618.91	38.50	194.44	143.50	1,428.38	-5,722.39	7,480.73	7,253.50	227.23	32.921		
6,100.00	5,680.54	5,710.54	5,710.54	39.20	197.64	143.68	1,428.38	-5,722.39	7,513.90	7,282.91	230.99	32.529		
6,200.00	5,772.18	5,802.18	5,802.18	39.91	200.84	143.85	1,428.38	-5,722.39	7,547.14	7,312.39	234.75	32.150		
6,300.00	5,863.82	5,906.18	5,893.82	40.61	204.47	144.02	1,428.38	-5,722.39	7,580.43	7,341.50	238.93	31.726		
6,400.00	5,955.45	5,985.45	5,985.45	41.32	207.23	144.20	1,428.38	-5,722.39	7,613.80	7,371.55	242.25	31.429		
6,500.00	6,047.09	6,077.09	6,077.09	42.02	210.43	144.37	1,428.38	-5,722.39	7,647.23	7,401.22	246.01	31.085		
6,600.00	6,138.73	6,168.73	6,168.73	42.73	213.63	144.54	1,428.38	-5,722.39	7,680.72	7,430.96	249.76	30.752		
6,700.00	6,230.37	6,260.37	6,260.37	43.44	216.83	144.70	1,428.38	-5,722.39	7,714.27	7,460.76	253.51	30.429		
6,712.03	6,241.39	6,271.39	6,271.39	43.52	217.21	144.72	1,428.38	-5,722.39	7,718.32	7,464.35	253.97	30.391		
6,750.00	6,276.38	6,306.38	6,306.38	43.78	218.44	136.96	1,428.38	-5,722.39	7,730.11	7,474.72	255.39	30.267		
6,800.00	6,322.91	6,352.91	6,352.91	44.09	220.06	125.56	1,428.38	-5,722.39	7,742.67	7,485.38	257.28	30.094		
6,850.00	6,369.70	6,400.30	6,399.70	44.36	221.71	113.44	1,428.38	-5,722.39	7,751.78	7,492.60	259.19	29.908		
6,900.00	6,416.45	6,446.45	6,446.45	44.59	223.32	101.60	1,428.38	-5,722.39	7,757.41	7,496.39	261.02	29.719		
6,950.00	6,462.87	6,507.13	6,492.87	44.79	225.44	90.99	1,428.38	-5,722.39	7,759.53	7,496.19	263.34	29.466		
7,000.00	6,508.69	6,538.69	6,538.69	44.95	226.54	82.12	1,428.38	-5,722.39	7,758.13	7,493.52	264.61	29.319		
7,050.00	6,553.61	6,583.61	6,583.61	45.09	228.11	75.07	1,428.38	-5,722.39	7,753.24	7,486.93	266.31	29.114		
7,100.00	6,597.37	6,627.37	6,627.37	45.20	229.64	69.62	1,428.38	-5,722.39	7,744.90	7,476.97	267.93	28.907		
7,150.00	6,639.68	6,669.68	6,669.68	45.30	231.12	65.53	1,428.38	-5,722.39	7,733.17	7,463.70	269.47	28.698		
7,200.00	6,680.29	6,710.29	6,710.29	45.39	232.53	62.56	1,428.38	-5,722.39	7,718.13	7,447.21	270.92	28.489		
7,250.00	6,718.96	6,748.96	6,748.96	45.48	233.88	60.50	1,428.38	-5,722.39	7,699.89	7,427.61	272.28	28.280		
7,300.00	6,755.43	6,785.43	6,785.43	45.57	235.16	59.24	1,428.38	-5,722.39	7,678.56	7,405.03	273.54	28.071		
7,350.00	6,789.49	6,819.49	6,819.49	45.67	236.35	58.67	1,428.38	-5,722.39	7,654.29	7,379.60	274.70	27.865		
7,400.00	6,820.93	6,850.93	6,850.93	45.77	237.44	58.73	1,428.38	-5,722.39	7,627.24	7,351.48	275.75	27.660		
7,450.00	6,849.55	6,879.55	6,879.55	45.89	238.44	59.42	1,428.38	-5,722.39	7,597.57	7,320.86	276.71	27.457		
7,500.00	6,875.17	6,905.17	6,905.17	46.02	239.34	60.72	1,428.38	-5,722.39	7,565.47	7,287.90	277.56	27.257		
7,550.00	6,897.64	6,927.64	6,927.64	46.17	240.12	62.66	1,428.38	-5,722.39	7,531.13	7,252.83	278.31	27.060		
7,600.00	6,916.82	6,946.82	6,946.82	46.35	240.79	65.29	1,428.38	-5,722.39	7,494.78	7,215.83	278.95	26.868		
7,650.00	6,932.60	6,962.60	6,962.60	46.55	241.34	68.67	1,428.38	-5,722.39	7,456.64	7,177.14	279.49	26.679		
7,700.00	6,944.86	6,974.86	6,974.86	46.78	241.77	72.87	1,428.38	-5,722.39	7,416.92	7,136.99	279.93	26.496		
7,750.00	6,953.55	6,983.55	6,983.55	47.04	242.07	77.97	1,428.38	-5,722.39	7,375.88	7,095.62	280.27	26.318		
7,800.00	6,958.59	6,988.59	6,988.59	47.33	242.25	83.99	1,428.38	-5,722.39	7,333.76	7,053.27	280.50	26.146		
7,842.10	6,960.00	7,010.00	6,990.00	47.60	243.00	89.75	1,428.38	-5,722.39	7,297.65	7,016.34	281.31	25.942		
7,900.00	6,960.15	7,009.85	6,990.15	48.01	242.99	89.75	1,428.38	-5,722.39	7,247.70	6,966.28	281.42	25.754		
8,000.00	6,960.40	7,009.60	6,990.40	48.86	242.98	89.76	1,428.38	-5,722.39	7,161.71	6,880.06	281.65	25.427		
8,100.00	6,960.65	7,009.35	6,990.65	49.87	242.97	89.76	1,428.38	-5,722.39	7,076.09	6,794.12	281.97	25.096		
8,200.00	6,960.91	7,009.10	6,990.91	51.06	242.96	89.77	1,428.38	-5,722.39	6,990.85	6,708.50	282.36	24.759		
8,300.00	6,961.16	7,008.84	6,991.16	52.41	242.96	89.77	1,428.38	-5,722.39	6,906.01	6,623.19	282.83	24.418		
8,400.00	6,961.41	7,008.59	6,991.41	53.93	242.95	89.77	1,428.38	-5,722.39	6,821.58	6,538.20	283.38	24.072		
8,500.00	6,961.66	7,008.34	6,991.66	55.59	242.94	89.78	1,428.38	-5,722.39	6,737.58	6,453.56	284.02	23.722		
8,600.00	6,961.91	7,008.09	6,991.91	57.37	242.93	89.78	1,428.38	-5,722.39	6,654.02	6,369.27	284.75	23.368		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON #42-10(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	7,007.84	6,992.16	59.27	242.92	89.79	1,428.38	-5,722.39	6,570.92	6,285.34	285.57	23.010		
8,800.00	6,962.42	7,007.58	6,992.42	61.26	242.91	89.79	1,428.38	-5,722.39	6,488.29	6,201.81	286.48	22.648		
8,900.00	6,962.67	7,007.33	6,992.67	63.34	242.90	89.79	1,428.38	-5,722.39	6,406.16	6,118.67	287.49	22.283		
9,000.00	6,962.92	7,007.08	6,992.92	65.49	242.89	89.80	1,428.38	-5,722.39	6,324.54	6,035.96	288.58	21.916		
9,100.00	6,963.17	7,006.83	6,993.17	67.70	242.89	89.80	1,428.38	-5,722.39	6,243.46	5,953.69	289.78	21.546		
9,200.00	6,963.42	7,006.58	6,993.42	69.97	242.88	89.81	1,428.38	-5,722.39	6,162.94	5,871.88	291.06	21.174		
9,300.00	6,963.68	7,006.32	6,993.68	72.28	242.87	89.81	1,428.38	-5,722.39	6,082.99	5,790.55	292.45	20.800		
9,400.00	6,963.93	7,006.07	6,993.93	74.64	242.86	89.81	1,428.38	-5,722.39	6,003.65	5,709.72	293.92	20.426		
9,500.00	6,964.18	7,005.82	6,994.18	77.04	242.85	89.82	1,428.38	-5,722.39	5,924.93	5,629.43	295.50	20.051		
9,600.00	6,964.43	7,005.57	6,994.43	79.48	242.84	89.82	1,428.38	-5,722.39	5,846.86	5,549.69	297.17	19.675		
9,700.00	6,964.68	7,005.32	6,994.68	81.94	242.83	89.83	1,428.38	-5,722.39	5,769.46	5,470.53	298.93	19.300		
9,800.00	6,964.94	7,005.07	6,994.94	84.43	242.82	89.83	1,428.38	-5,722.39	5,692.77	5,391.98	300.79	18.926		
9,900.00	6,965.19	7,004.81	6,995.19	86.95	242.82	89.83	1,428.38	-5,722.39	5,616.82	5,314.07	302.75	18.553		
10,000.00	6,965.44	7,004.56	6,995.44	89.49	242.81	89.84	1,428.38	-5,722.39	5,541.63	5,236.83	304.80	18.181		
10,100.00	6,965.69	7,004.31	6,995.69	92.05	242.80	89.84	1,428.38	-5,722.39	5,467.23	5,160.29	306.94	17.812		
10,200.00	6,965.94	7,004.06	6,995.94	94.63	242.79	89.85	1,428.38	-5,722.39	5,393.66	5,084.48	309.18	17.445		
10,300.00	6,966.19	7,003.81	6,996.19	97.22	242.78	89.85	1,428.38	-5,722.39	5,320.96	5,009.44	311.51	17.081		
10,400.00	6,966.45	7,003.55	6,996.45	99.83	242.77	89.85	1,428.38	-5,722.39	5,249.15	4,935.21	313.94	16.720		
10,500.00	6,966.70	7,003.30	6,996.70	102.46	242.76	89.86	1,428.38	-5,722.39	5,178.27	4,861.82	316.46	16.363		
10,600.00	6,966.95	7,003.05	6,996.95	105.09	242.75	89.86	1,428.38	-5,722.39	5,108.38	4,789.31	319.07	16.010		
10,700.00	6,967.20	7,002.80	6,997.20	107.74	242.74	89.86	1,428.38	-5,722.39	5,039.49	4,717.72	321.77	15.662		
10,800.00	6,967.45	7,002.55	6,997.45	110.41	242.74	89.87	1,428.38	-5,722.39	4,971.67	4,647.10	324.56	15.318		
10,900.00	6,967.71	7,002.29	6,997.71	113.08	242.73	89.87	1,428.38	-5,722.39	4,904.94	4,577.49	327.44	14.979		
11,000.00	6,967.96	7,002.04	6,997.96	115.76	242.72	89.88	1,428.38	-5,722.39	4,839.36	4,508.94	330.42	14.646		
11,100.00	6,968.21	7,001.79	6,998.21	118.45	242.71	89.88	1,428.38	-5,722.39	4,774.97	4,441.50	333.48	14.319		
11,200.00	6,968.46	7,001.54	6,998.46	121.15	242.70	89.88	1,428.38	-5,722.39	4,711.83	4,375.21	336.62	13.997		
11,300.00	6,968.71	7,001.29	6,998.71	123.85	242.69	89.89	1,428.38	-5,722.39	4,649.98	4,310.13	339.85	13.682		
11,400.00	6,968.97	7,001.04	6,998.97	126.56	242.68	89.89	1,428.38	-5,722.39	4,589.48	4,246.31	343.16	13.374		
11,500.00	6,969.22	7,000.78	6,999.22	129.28	242.67	89.90	1,428.38	-5,722.39	4,530.37	4,183.82	346.56	13.073		
11,600.00	6,969.47	7,000.53	6,999.47	132.01	242.67	89.90	1,428.38	-5,722.39	4,472.72	4,122.70	350.03	12.778		
11,700.00	6,969.72	7,000.28	6,999.72	134.74	242.66	89.90	1,428.38	-5,722.39	4,416.59	4,063.01	353.57	12.491		
11,800.00	6,969.97	7,000.03	6,999.97	137.48	242.65	89.91	1,428.38	-5,722.39	4,362.02	4,004.83	357.19	12.212		
11,900.00	6,970.22	7,000.22	7,000.22	140.22	242.65	89.91	1,428.38	-5,722.39	4,309.08	3,948.20	360.88	11.940		
12,000.00	6,970.48	7,000.48	7,000.48	142.97	242.66	89.92	1,428.38	-5,722.39	4,257.83	3,893.19	364.64	11.677		
12,100.00	6,970.73	7,000.73	7,000.73	145.72	242.67	89.92	1,428.38	-5,722.39	4,208.34	3,839.88	368.46	11.421		
12,200.00	6,970.98	7,000.98	7,000.98	148.47	242.68	89.92	1,428.38	-5,722.39	4,160.66	3,788.33	372.33	11.175		
12,300.00	6,971.23	7,001.23	7,001.23	151.23	242.69	89.93	1,428.38	-5,722.39	4,114.86	3,738.62	376.24	10.937		
12,400.00	6,971.48	7,001.48	7,001.48	154.00	242.70	89.93	1,428.38	-5,722.39	4,071.00	3,690.81	380.19	10.708		
12,500.00	6,971.74	7,001.74	7,001.74	156.76	242.71	89.94	1,428.38	-5,722.39	4,029.15	3,644.97	384.17	10.488		
12,600.00	6,971.99	7,001.99	7,001.99	159.53	242.72	89.94	1,428.38	-5,722.39	3,989.36	3,601.18	388.18	10.277		
12,700.00	6,972.24	7,002.24	7,002.24	162.31	242.73	89.94	1,428.38	-5,722.39	3,951.71	3,559.51	392.20	10.076		
12,800.00	6,972.49	7,002.49	7,002.49	165.09	242.73	89.95	1,428.38	-5,722.39	3,916.24	3,520.03	396.22	9.884		
12,900.00	6,972.74	7,002.74	7,002.74	167.86	242.74	89.95	1,428.38	-5,722.39	3,883.03	3,482.80	400.23	9.702		
13,002.01	6,973.00	7,003.00	7,003.00	170.70	242.75	89.96	1,428.38	-5,722.39	3,851.53	3,447.22	404.31	9.526 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	23.00	23.00	3.28	3.30	-87.07	223.34	-4,370.29	4,375.99					
100.00	100.00	123.00	123.00	3.28	4.15	-87.07	223.34	-4,370.29	4,375.99	4,368.55	7.44	588.301		
200.00	200.00	223.00	223.00	3.34	6.87	-87.07	223.34	-4,370.29	4,375.99	4,365.78	10.21	428.612		
300.00	300.00	323.00	323.00	3.44	10.08	-87.07	223.34	-4,370.29	4,375.99	4,362.47	13.52	323.573		
400.00	399.98	422.98	422.98	3.60	13.43	123.53	223.34	-4,370.29	4,376.96	4,359.93	17.02	257.114		
500.00	499.84	522.84	522.84	3.79	16.83	123.54	223.34	-4,370.29	4,379.85	4,359.23	20.62	212.451		
600.00	599.45	622.45	622.45	4.02	20.25	123.55	223.34	-4,370.29	4,384.68	4,360.41	24.27	180.658		
700.00	698.70	721.70	721.70	4.29	23.68	123.57	223.34	-4,370.29	4,391.45	4,363.49	27.97	157.023		
800.00	797.47	820.47	820.47	4.60	27.10	123.59	223.34	-4,370.29	4,400.18	4,368.49	31.69	138.847		
900.00	895.62	918.62	918.62	4.94	30.50	123.62	223.34	-4,370.29	4,410.88	4,375.44	35.43	124.487		
1,000.00	993.06	1,016.06	1,016.06	5.31	33.88	123.64	223.34	-4,370.29	4,423.56	4,384.38	39.18	112.892		
1,100.00	1,089.64	1,112.64	1,112.64	5.72	37.24	123.67	223.34	-4,370.29	4,438.25	4,395.31	42.94	103.362		
1,200.00	1,185.27	1,208.27	1,208.27	6.17	40.57	123.69	223.34	-4,370.29	4,454.97	4,408.27	46.69	95.412		
1,300.00	1,279.82	1,302.82	1,302.82	6.65	43.86	123.71	223.34	-4,370.29	4,473.73	4,423.29	50.44	88.696		
1,400.00	1,373.17	1,403.83	1,396.17	7.17	47.38	123.72	223.34	-4,370.29	4,494.57	4,440.13	54.44	82.557		
1,479.95	1,446.87	1,469.87	1,469.87	7.61	49.68	123.72	223.34	-4,370.29	4,512.74	4,455.59	57.15	78.960		
1,500.00	1,465.24	1,488.24	1,488.24	7.72	50.32	123.80	223.34	-4,370.29	4,517.47	4,459.57	57.90	78.024		
1,600.00	1,556.88	1,579.88	1,579.88	8.31	53.51	124.19	223.34	-4,370.29	4,541.20	4,479.57	61.62	73.693		
1,700.00	1,648.52	1,671.52	1,671.52	8.92	56.70	124.58	223.34	-4,370.29	4,565.15	4,499.79	65.36	69.843		
1,800.00	1,740.15	1,763.15	1,763.15	9.54	59.90	124.97	223.34	-4,370.29	4,589.33	4,520.22	69.11	66.402		
1,900.00	1,831.79	1,854.79	1,854.79	10.17	63.09	125.36	223.34	-4,370.29	4,613.73	4,540.86	72.87	63.310		
2,000.00	1,923.43	1,946.43	1,946.43	10.81	66.29	125.74	223.34	-4,370.29	4,638.35	4,561.71	76.64	60.519		
2,100.00	2,015.06	2,038.06	2,038.06	11.46	69.48	126.12	223.34	-4,370.29	4,663.18	4,582.76	80.42	57.988		
2,200.00	2,106.70	2,129.70	2,129.70	12.11	72.68	126.49	223.34	-4,370.29	4,688.22	4,604.03	84.19	55.684		
2,300.00	2,198.34	2,221.34	2,221.34	12.78	75.87	126.86	223.34	-4,370.29	4,713.47	4,625.49	87.98	53.577		
2,400.00	2,289.98	2,312.98	2,312.98	13.44	79.07	127.23	223.34	-4,370.29	4,738.92	4,647.16	91.76	51.645		
2,500.00	2,381.61	2,404.61	2,404.61	14.11	82.27	127.59	223.34	-4,370.29	4,764.57	4,669.03	95.55	49.867		
2,600.00	2,473.25	2,503.75	2,496.25	14.79	85.72	127.95	223.34	-4,370.29	4,790.42	4,690.83	99.60	48.099		
2,700.00	2,564.89	2,587.89	2,587.89	15.47	88.66	128.31	223.34	-4,370.29	4,816.47	4,713.34	103.12	46.706		
2,800.00	2,656.52	2,679.52	2,679.52	16.15	91.86	128.66	223.34	-4,370.29	4,842.70	4,735.79	106.91	45.296		
2,900.00	2,748.16	2,771.16	2,771.16	16.83	95.05	129.01	223.34	-4,370.29	4,869.12	4,758.42	110.70	43.984		
3,000.00	2,839.80	2,862.80	2,862.80	17.52	98.25	129.36	223.34	-4,370.29	4,895.73	4,781.24	114.49	42.760		
3,100.00	2,931.43	2,954.43	2,954.43	18.20	101.45	129.70	223.34	-4,370.29	4,922.52	4,804.24	118.28	41.617		
3,200.00	3,023.07	3,046.07	3,046.07	18.89	104.64	130.04	223.34	-4,370.29	4,949.49	4,827.42	122.07	40.546		
3,300.00	3,114.71	3,137.71	3,137.71	19.58	107.84	130.38	223.34	-4,370.29	4,976.63	4,850.77	125.86	39.541		
3,400.00	3,206.35	3,229.35	3,229.35	20.27	111.04	130.71	223.34	-4,370.29	5,003.95	4,874.30	129.65	38.596		
3,500.00	3,297.98	3,320.98	3,320.98	20.97	114.24	131.04	223.34	-4,370.29	5,031.43	4,898.00	133.44	37.706		
3,600.00	3,389.62	3,412.62	3,412.62	21.66	117.44	131.36	223.34	-4,370.29	5,059.09	4,921.86	137.22	36.867		
3,700.00	3,481.26	3,504.26	3,504.26	22.36	120.63	131.69	223.34	-4,370.29	5,086.91	4,945.90	141.01	36.075		
3,800.00	3,572.89	3,604.11	3,595.89	23.05	124.12	132.01	223.34	-4,370.29	5,114.89	4,969.81	145.08	35.255		
3,900.00	3,664.53	3,687.53	3,687.53	23.75	127.03	132.32	223.34	-4,370.29	5,143.03	4,994.45	148.58	34.614		
4,000.00	3,756.17	3,779.17	3,779.17	24.45	130.23	132.64	223.34	-4,370.29	5,171.33	5,018.96	152.36	33.941		
4,100.00	3,847.80	3,870.80	3,870.80	25.14	133.42	132.95	223.34	-4,370.29	5,199.78	5,043.63	156.15	33.301		
4,200.00	3,939.44	3,962.44	3,962.44	25.84	136.62	133.25	223.34	-4,370.29	5,228.38	5,068.45	159.93	32.692		
4,300.00	4,031.08	4,054.08	4,054.08	26.54	139.82	133.56	223.34	-4,370.29	5,257.13	5,093.43	163.71	32.113		
4,400.00	4,122.72	4,145.72	4,145.72	27.24	143.02	133.86	223.34	-4,370.29	5,286.03	5,118.55	167.49	31.561		
4,500.00	4,214.35	4,237.35	4,237.35	27.94	146.22	134.16	223.34	-4,370.29	5,315.08	5,143.81	171.27	31.034		
4,600.00	4,305.99	4,328.99	4,328.99	28.64	149.42	134.45	223.34	-4,370.29	5,344.26	5,169.22	175.04	30.531		
4,700.00	4,397.63	4,420.63	4,420.63	29.35	152.61	134.74	223.34	-4,370.29	5,373.59	5,194.77	178.82	30.051		
4,800.00	4,489.26	4,512.26	4,512.26	30.05	155.81	135.03	223.34	-4,370.29	5,403.05	5,220.46	182.59	29.591		
4,900.00	4,580.90	4,603.90	4,603.90	30.75	159.01	135.32	223.34	-4,370.29	5,432.65	5,246.28	186.37	29.151		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,000.00	4,672.54	4,704.46	4,695.54	31.45	162.52	135.60	223.34	-4,370.29	5,462.38	5,271.93	190.45	28.682		
5,100.00	4,764.17	4,787.17	4,787.17	32.16	165.41	135.88	223.34	-4,370.29	5,492.24	5,298.33	193.91	28.324		
5,200.00	4,855.81	4,878.81	4,878.81	32.86	168.61	136.16	223.34	-4,370.29	5,522.23	5,324.56	197.68	27.935		
5,300.00	4,947.45	4,970.45	4,970.45	33.56	171.80	136.44	223.34	-4,370.29	5,552.35	5,350.90	201.45	27.562		
5,400.00	5,039.08	5,062.08	5,062.08	34.27	175.00	136.71	223.34	-4,370.29	5,582.59	5,377.38	205.21	27.204		
5,500.00	5,130.72	5,153.72	5,153.72	34.97	178.20	136.98	223.34	-4,370.29	5,612.96	5,403.98	208.98	26.859		
5,600.00	5,222.36	5,245.36	5,245.36	35.68	181.40	137.25	223.34	-4,370.29	5,643.44	5,430.70	212.75	26.527		
5,700.00	5,314.00	5,337.00	5,337.00	36.38	184.60	137.51	223.34	-4,370.29	5,674.05	5,457.54	216.51	26.207		
5,800.00	5,405.63	5,428.63	5,428.63	37.08	187.80	137.77	223.34	-4,370.29	5,704.77	5,484.49	220.27	25.898		
5,900.00	5,497.27	5,520.27	5,520.27	37.79	191.00	138.03	223.34	-4,370.29	5,735.60	5,511.57	224.04	25.601		
6,000.00	5,588.91	5,611.91	5,611.91	38.50	194.19	138.29	223.34	-4,370.29	5,766.55	5,538.75	227.80	25.314		
6,100.00	5,680.54	5,703.54	5,703.54	39.20	197.39	138.54	223.34	-4,370.29	5,797.61	5,566.05	231.56	25.037		
6,200.00	5,772.18	5,804.82	5,795.18	39.91	200.93	138.79	223.34	-4,370.29	5,828.78	5,593.13	235.65	24.735		
6,300.00	5,863.82	5,886.82	5,886.82	40.61	203.79	139.04	223.34	-4,370.29	5,860.06	5,620.98	239.07	24.511		
6,400.00	5,955.45	5,978.45	5,978.45	41.32	206.99	139.29	223.34	-4,370.29	5,891.44	5,648.61	242.83	24.261		
6,500.00	6,047.09	6,070.09	6,070.09	42.02	210.19	139.53	223.34	-4,370.29	5,922.93	5,676.34	246.59	24.020		
6,600.00	6,138.73	6,161.73	6,161.73	42.73	213.39	139.77	223.34	-4,370.29	5,954.52	5,704.17	250.34	23.785		
6,700.00	6,230.37	6,253.37	6,253.37	43.44	216.58	140.01	223.34	-4,370.29	5,986.21	5,732.11	254.10	23.559		
6,712.03	6,241.39	6,264.39	6,264.39	43.52	216.97	140.04	223.34	-4,370.29	5,990.03	5,735.48	254.55	23.532		
6,750.00	6,276.38	6,300.62	6,299.38	43.78	218.23	132.41	223.34	-4,370.29	6,001.08	5,745.06	256.02	23.440		
6,800.00	6,322.91	6,345.91	6,345.91	44.09	219.82	121.17	223.34	-4,370.29	6,012.56	5,754.69	257.86	23.317		
6,850.00	6,369.70	6,407.30	6,392.70	44.36	221.96	109.18	223.34	-4,370.29	6,020.47	5,760.22	260.25	23.133		
6,900.00	6,416.45	6,439.45	6,439.45	44.59	223.08	97.45	223.34	-4,370.29	6,024.78	5,763.19	261.59	23.031		
6,950.00	6,462.87	6,485.87	6,485.87	44.79	224.70	86.94	223.34	-4,370.29	6,025.48	5,762.07	263.40	22.875		
7,000.00	6,508.69	6,531.69	6,531.69	44.95	226.30	78.16	223.34	-4,370.29	6,022.57	5,757.41	265.16	22.713		
7,050.00	6,553.61	6,576.61	6,576.61	45.09	227.87	71.16	223.34	-4,370.29	6,016.08	5,749.24	266.84	22.545		
7,100.00	6,597.37	6,620.37	6,620.37	45.20	229.40	65.77	223.34	-4,370.29	6,006.07	5,737.62	268.45	22.373		
7,150.00	6,639.68	6,662.68	6,662.68	45.30	230.87	61.72	223.34	-4,370.29	5,992.61	5,722.63	269.98	22.197		
7,200.00	6,680.29	6,703.29	6,703.29	45.39	232.29	58.78	223.34	-4,370.29	5,975.78	5,704.37	271.41	22.017		
7,250.00	6,718.96	6,741.96	6,741.96	45.48	233.64	56.75	223.34	-4,370.29	5,955.71	5,682.96	272.76	21.835		
7,300.00	6,755.43	6,778.43	6,778.43	45.57	234.91	55.51	223.34	-4,370.29	5,932.53	5,658.53	274.00	21.652		
7,350.00	6,789.49	6,812.49	6,812.49	45.67	236.10	54.96	223.34	-4,370.29	5,906.38	5,631.24	275.14	21.467		
7,400.00	6,820.93	6,843.93	6,843.93	45.77	237.20	55.06	223.34	-4,370.29	5,877.44	5,601.26	276.18	21.281		
7,450.00	6,849.55	6,872.55	6,872.55	45.89	238.20	55.79	223.34	-4,370.29	5,845.87	5,568.76	277.11	21.096		
7,500.00	6,875.17	6,901.83	6,898.17	46.02	239.22	57.17	223.34	-4,370.29	5,811.89	5,533.82	278.07	20.901		
7,550.00	6,897.64	6,920.64	6,920.64	46.17	239.88	59.23	223.34	-4,370.29	5,775.70	5,497.04	278.66	20.727		
7,600.00	6,916.82	6,939.82	6,939.82	46.35	240.55	62.06	223.34	-4,370.29	5,737.52	5,458.24	279.28	20.544		
7,650.00	6,932.60	6,955.60	6,955.60	46.55	241.10	65.74	223.34	-4,370.29	5,697.58	5,417.80	279.79	20.364		
7,700.00	6,944.86	6,967.86	6,967.86	46.78	241.53	70.39	223.34	-4,370.29	5,656.13	5,375.94	280.19	20.187		
7,750.00	6,953.55	6,976.55	6,976.55	47.04	241.83	76.13	223.34	-4,370.29	5,613.41	5,332.92	280.49	20.013		
7,800.00	6,958.59	6,981.59	6,981.59	47.33	242.00	83.02	223.34	-4,370.29	5,569.67	5,288.99	280.68	19.843		
7,842.10	6,960.00	6,983.00	6,983.00	47.60	242.05	89.71	223.34	-4,370.29	5,532.25	5,251.49	280.76	19.704		
7,900.00	6,960.15	6,983.15	6,983.15	48.01	242.06	89.72	223.34	-4,370.29	5,480.54	5,199.71	280.83	19.515		
8,000.00	6,960.40	6,983.40	6,983.40	48.86	242.07	89.72	223.34	-4,370.29	5,391.54	5,110.55	281.00	19.187		
8,100.00	6,960.65	6,983.65	6,983.65	49.87	242.08	89.73	223.34	-4,370.29	5,302.94	5,021.71	281.23	18.856		
8,200.00	6,960.91	6,983.91	6,983.91	51.06	242.09	89.73	223.34	-4,370.29	5,214.74	4,933.21	281.53	18.523		
8,300.00	6,961.16	6,984.16	6,984.16	52.41	242.09	89.74	223.34	-4,370.29	5,126.98	4,845.08	281.90	18.187		
8,400.00	6,961.41	6,984.41	6,984.41	53.93	242.10	89.74	223.34	-4,370.29	5,039.67	4,757.32	282.35	17.849		
8,500.00	6,961.66	6,984.66	6,984.66	55.59	242.11	89.75	223.34	-4,370.29	4,952.84	4,669.95	282.89	17.508		
8,600.00	6,961.91	6,984.91	6,984.91	57.37	242.12	89.76	223.34	-4,370.29	4,866.52	4,583.00	283.53	17.164		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - ANDERSON/JANUARY #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,985.16	6,985.16	59.27	242.13	89.76	223.34	-4,370.29	4,780.74	4,496.48	284.25	16.819		
8,800.00	6,962.42	6,985.42	6,985.42	61.26	242.14	89.77	223.34	-4,370.29	4,695.51	4,410.43	285.08	16.471		
8,900.00	6,962.67	6,985.67	6,985.67	63.34	242.15	89.77	223.34	-4,370.29	4,610.88	4,324.86	286.01	16.121		
9,000.00	6,962.92	6,985.92	6,985.92	65.49	242.16	89.78	223.34	-4,370.29	4,526.87	4,239.82	287.06	15.770		
9,100.00	6,963.17	6,986.17	6,986.17	67.70	242.16	89.79	223.34	-4,370.29	4,443.53	4,155.32	288.21	15.418		
9,200.00	6,963.42	6,986.42	6,986.42	69.97	242.17	89.79	223.34	-4,370.29	4,360.89	4,071.40	289.48	15.064		
9,300.00	6,963.68	6,986.68	6,986.68	72.28	242.18	89.80	223.34	-4,370.29	4,278.99	3,988.11	290.88	14.711		
9,400.00	6,963.93	6,986.93	6,986.93	74.64	242.19	89.80	223.34	-4,370.29	4,197.87	3,905.47	292.40	14.357		
9,500.00	6,964.18	6,987.18	6,987.18	77.04	242.20	89.81	223.34	-4,370.29	4,117.58	3,823.54	294.04	14.003		
9,600.00	6,964.43	6,987.43	6,987.43	79.48	242.21	89.81	223.34	-4,370.29	4,038.18	3,742.36	295.82	13.651		
9,700.00	6,964.68	6,987.68	6,987.68	81.94	242.22	89.82	223.34	-4,370.29	3,959.70	3,661.98	297.73	13.300		
9,800.00	6,964.94	6,987.94	6,987.94	84.43	242.23	89.83	223.34	-4,370.29	3,882.22	3,582.45	299.77	12.950		
9,900.00	6,965.19	6,988.19	6,988.19	86.95	242.23	89.83	223.34	-4,370.29	3,805.79	3,503.83	301.96	12.604		
10,000.00	6,965.44	6,988.44	6,988.44	89.49	242.24	89.84	223.34	-4,370.29	3,730.47	3,426.19	304.28	12.260		
10,100.00	6,965.69	6,988.69	6,988.69	92.05	242.25	89.84	223.34	-4,370.29	3,656.33	3,349.59	306.74	11.920		
10,200.00	6,965.94	6,988.94	6,988.94	94.63	242.26	89.85	223.34	-4,370.29	3,583.46	3,274.11	309.35	11.584		
10,300.00	6,966.19	6,989.19	6,989.19	97.22	242.27	89.86	223.34	-4,370.29	3,511.92	3,199.82	312.10	11.253		
10,400.00	6,966.45	6,989.45	6,989.45	99.83	242.28	89.86	223.34	-4,370.29	3,441.79	3,126.80	314.99	10.927		
10,500.00	6,966.70	6,989.70	6,989.70	102.46	242.29	89.87	223.34	-4,370.29	3,373.18	3,055.15	318.03	10.607		
10,600.00	6,966.95	6,989.95	6,989.95	105.09	242.30	89.87	223.34	-4,370.29	3,306.16	2,984.96	321.20	10.293		
10,700.00	6,967.20	6,990.20	6,990.20	107.74	242.99	89.88	223.34	-4,370.29	3,240.84	2,915.64	325.21	9.965		
10,800.00	6,967.45	6,990.45	6,990.45	110.41	242.98	89.88	223.34	-4,370.29	3,177.33	2,848.69	328.65	9.668		
10,900.00	6,967.71	6,990.71	6,990.71	113.08	242.97	89.89	223.34	-4,370.29	3,115.74	2,783.52	332.22	9.379		
11,000.00	6,967.96	6,990.96	6,990.96	115.76	242.96	89.90	223.34	-4,370.29	3,056.18	2,720.26	335.92	9.098		
11,100.00	6,968.21	6,991.21	6,991.21	118.45	242.95	89.90	223.34	-4,370.29	2,998.77	2,659.02	339.74	8.827		
11,200.00	6,968.46	6,991.46	6,991.46	121.15	242.95	89.91	223.34	-4,370.29	2,943.63	2,599.95	343.68	8.565		
11,300.00	6,968.71	6,991.71	6,991.71	123.85	242.94	89.91	223.34	-4,370.29	2,890.91	2,543.19	347.72	8.314		
11,400.00	6,968.97	6,991.97	6,991.97	126.56	242.93	89.92	223.34	-4,370.29	2,840.73	2,488.88	351.85	8.074		
11,500.00	6,969.22	6,992.22	6,992.22	129.28	242.92	89.93	223.34	-4,370.29	2,793.23	2,437.17	356.06	7.845		
11,600.00	6,969.47	6,992.47	6,992.47	132.01	242.91	89.93	223.34	-4,370.29	2,748.54	2,388.22	360.33	7.628		
11,700.00	6,969.72	6,992.72	6,992.72	134.74	242.90	89.94	223.34	-4,370.29	2,706.82	2,342.18	364.64	7.423		
11,800.00	6,969.97	6,992.97	6,992.97	137.48	242.89	89.94	223.34	-4,370.29	2,668.19	2,299.23	368.97	7.232		
11,900.00	6,970.22	6,993.22	6,993.22	140.22	242.88	89.95	223.34	-4,370.29	2,632.80	2,259.50	373.30	7.053		
12,000.00	6,970.48	6,993.48	6,993.48	142.97	242.87	89.95	223.34	-4,370.29	2,600.77	2,223.17	377.60	6.888		
12,100.00	6,970.73	6,993.73	6,993.73	145.72	242.87	89.96	223.34	-4,370.29	2,572.24	2,190.39	381.85	6.736		
12,200.00	6,970.98	6,993.98	6,993.98	148.47	242.86	89.97	223.34	-4,370.29	2,547.31	2,161.29	386.01	6.599		
12,300.00	6,971.23	6,994.23	6,994.23	151.23	242.85	89.97	223.34	-4,370.29	2,526.09	2,136.02	390.07	6.476		
12,400.00	6,971.48	6,994.48	6,994.48	154.00	242.84	89.98	223.34	-4,370.29	2,508.69	2,114.70	393.99	6.367		
12,500.00	6,971.74	6,994.74	6,994.74	156.76	242.83	89.98	223.34	-4,370.29	2,495.18	2,097.43	397.75	6.273		
12,600.00	6,971.99	6,994.99	6,994.99	159.53	242.82	89.99	223.34	-4,370.29	2,485.62	2,084.30	401.31	6.194		
12,700.00	6,972.24	6,995.24	6,995.24	162.31	242.81	89.99	223.34	-4,370.29	2,480.05	2,075.39	404.67	6.129		
12,788.11	6,972.46	6,995.46	6,995.46	164.75	242.81	90.00	223.34	-4,370.29	2,478.49	2,071.06	407.43	6.083 CC		
12,800.00	6,972.49	6,995.49	6,995.49	165.09	242.80	90.00	223.34	-4,370.29	2,478.52	2,070.73	407.79	6.078		
12,900.00	6,972.74	6,995.74	6,995.74	167.86	242.80	90.01	223.34	-4,370.29	2,481.01	2,070.35	410.66	6.042 ES		
13,002.01	6,973.00	6,996.00	6,996.00	170.70	242.79	90.01	223.34	-4,370.29	2,487.70	2,074.39	413.31	6.019 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	32.00	32.00	3.28	3.33	-91.94	-304.75	-8,976.60	8,981.77					
100.00	100.00	132.00	132.00	3.28	4.35	-91.94	-304.75	-8,976.60	8,981.77	8,974.13	7.64	1,175.901		
200.00	200.00	232.00	232.00	3.34	7.15	-91.94	-304.75	-8,976.60	8,981.77	8,971.28	10.49	856.439		
300.00	300.00	332.00	332.00	3.44	10.38	-91.94	-304.75	-8,976.60	8,981.77	8,967.95	13.82	649.837		
400.00	399.98	431.98	431.98	3.60	13.73	118.65	-304.75	-8,976.60	8,982.61	8,965.28	17.33	518.379		
500.00	499.84	531.84	531.84	3.79	17.14	118.64	-304.75	-8,976.60	8,985.12	8,964.19	20.92	429.420		
600.00	599.45	631.45	631.45	4.02	20.56	118.61	-304.75	-8,976.60	8,989.30	8,964.72	24.58	365.711		
700.00	698.70	730.70	730.70	4.29	23.99	118.58	-304.75	-8,976.60	8,995.17	8,966.89	28.28	318.100		
800.00	797.47	829.47	829.47	4.60	27.41	118.53	-304.75	-8,976.60	9,002.72	8,970.72	32.00	281.309		
900.00	895.62	927.62	927.62	4.94	30.81	118.47	-304.75	-8,976.60	9,011.96	8,976.21	35.75	252.109		
1,000.00	993.06	1,025.06	1,025.06	5.31	34.20	118.40	-304.75	-8,976.60	9,022.88	8,983.38	39.50	228.426		
1,100.00	1,089.64	1,121.64	1,121.64	5.72	37.55	118.32	-304.75	-8,976.60	9,035.51	8,992.25	43.26	208.870		
1,200.00	1,185.27	1,217.27	1,217.27	6.17	40.88	118.22	-304.75	-8,976.60	9,049.84	9,002.83	47.02	192.478		
1,300.00	1,279.82	1,311.82	1,311.82	6.65	44.17	118.11	-304.75	-8,976.60	9,065.89	9,015.11	50.77	178.560		
1,400.00	1,373.17	1,405.17	1,405.17	7.17	47.42	117.98	-304.75	-8,976.60	9,083.65	9,029.13	54.52	166.615		
1,479.95	1,446.87	1,478.87	1,478.87	7.61	49.99	117.86	-304.75	-8,976.60	9,099.09	9,041.58	57.51	158.228		
1,500.00	1,465.24	1,502.76	1,497.24	7.72	50.82	117.90	-304.75	-8,976.60	9,103.10	9,044.65	58.45	155.750		
1,600.00	1,556.88	1,588.88	1,588.88	8.31	53.82	118.11	-304.75	-8,976.60	9,123.20	9,061.20	62.00	147.154		
1,700.00	1,648.52	1,680.52	1,680.52	8.92	57.02	118.32	-304.75	-8,976.60	9,143.43	9,077.67	65.76	139.050		
1,800.00	1,740.15	1,772.15	1,772.15	9.54	60.21	118.53	-304.75	-8,976.60	9,163.78	9,094.26	69.53	131.799		
1,900.00	1,831.79	1,863.79	1,863.79	10.17	63.40	118.73	-304.75	-8,976.60	9,184.27	9,110.96	73.31	125.278		
2,000.00	1,923.43	1,955.43	1,955.43	10.81	66.60	118.94	-304.75	-8,976.60	9,204.89	9,127.78	77.10	119.385		
2,100.00	2,015.06	2,047.06	2,047.06	11.46	69.79	119.14	-304.75	-8,976.60	9,225.63	9,144.73	80.90	114.036		
2,200.00	2,106.70	2,138.70	2,138.70	12.11	72.99	119.34	-304.75	-8,976.60	9,246.50	9,161.80	84.71	109.161		
2,300.00	2,198.34	2,230.34	2,230.34	12.78	76.19	119.54	-304.75	-8,976.60	9,267.50	9,178.98	88.51	104.700		
2,400.00	2,289.98	2,321.98	2,321.98	13.44	79.38	119.75	-304.75	-8,976.60	9,288.62	9,196.29	92.33	100.605		
2,500.00	2,381.61	2,413.61	2,413.61	14.11	82.58	119.95	-304.75	-8,976.60	9,309.86	9,213.72	96.14	96.833		
2,600.00	2,473.25	2,505.25	2,505.25	14.79	85.78	120.15	-304.75	-8,976.60	9,331.23	9,231.27	99.96	93.347		
2,700.00	2,564.89	2,603.11	2,596.89	15.47	89.19	120.35	-304.75	-8,976.60	9,352.72	9,248.72	104.00	89.930		
2,800.00	2,656.52	2,688.52	2,688.52	16.15	92.17	120.54	-304.75	-8,976.60	9,374.34	9,266.73	107.61	87.117		
2,900.00	2,748.16	2,780.16	2,780.16	16.83	95.37	120.74	-304.75	-8,976.60	9,396.07	9,284.64	111.43	84.322		
3,000.00	2,839.80	2,871.80	2,871.80	17.52	98.56	120.94	-304.75	-8,976.60	9,417.93	9,302.67	115.26	81.713		
3,100.00	2,931.43	2,963.43	2,963.43	18.20	101.76	121.13	-304.75	-8,976.60	9,439.90	9,320.82	119.08	79.272		
3,200.00	3,023.07	3,055.07	3,055.07	18.89	104.96	121.33	-304.75	-8,976.60	9,461.99	9,339.08	122.91	76.984		
3,300.00	3,114.71	3,146.71	3,146.71	19.58	108.16	121.52	-304.75	-8,976.60	9,484.20	9,357.46	126.74	74.834		
3,400.00	3,206.35	3,238.35	3,238.35	20.27	111.35	121.72	-304.75	-8,976.60	9,506.53	9,375.96	130.56	72.811		
3,500.00	3,297.98	3,329.98	3,329.98	20.97	114.55	121.91	-304.75	-8,976.60	9,528.97	9,394.58	134.39	70.905		
3,600.00	3,389.62	3,421.62	3,421.62	21.66	117.75	122.10	-304.75	-8,976.60	9,551.52	9,413.30	138.22	69.104		
3,700.00	3,481.26	3,513.26	3,513.26	22.36	120.95	122.29	-304.75	-8,976.60	9,574.19	9,432.15	142.05	67.401		
3,800.00	3,572.89	3,604.89	3,604.89	23.05	124.14	122.48	-304.75	-8,976.60	9,596.98	9,451.10	145.88	65.789		
3,900.00	3,664.53	3,703.47	3,696.53	23.75	127.59	122.67	-304.75	-8,976.60	9,619.88	9,469.93	149.94	64.156		
4,000.00	3,756.17	3,788.17	3,788.17	24.45	130.54	122.86	-304.75	-8,976.60	9,642.88	9,489.35	153.53	62.808		
4,100.00	3,847.80	3,879.80	3,879.80	25.14	133.74	123.05	-304.75	-8,976.60	9,666.00	9,508.65	157.36	61.427		
4,200.00	3,939.44	3,971.44	3,971.44	25.84	136.94	123.23	-304.75	-8,976.60	9,689.23	9,528.05	161.18	60.113		
4,300.00	4,031.08	4,063.08	4,063.08	26.54	140.14	123.42	-304.75	-8,976.60	9,712.57	9,547.57	165.01	58.861		
4,400.00	4,122.72	4,154.72	4,154.72	27.24	143.33	123.61	-304.75	-8,976.60	9,736.02	9,567.19	168.83	57.666		
4,500.00	4,214.35	4,246.35	4,246.35	27.94	146.53	123.79	-304.75	-8,976.60	9,759.58	9,586.92	172.66	56.525		
4,600.00	4,305.99	4,337.99	4,337.99	28.64	149.73	123.97	-304.75	-8,976.60	9,783.24	9,606.76	176.48	55.434		
4,700.00	4,397.63	4,429.63	4,429.63	29.35	152.93	124.16	-304.75	-8,976.60	9,807.01	9,626.70	180.31	54.390		
4,800.00	4,489.26	4,521.26	4,521.26	30.05	156.13	124.34	-304.75	-8,976.60	9,830.89	9,646.76	184.13	53.391		
4,900.00	4,580.90	4,612.90	4,612.90	30.75	159.32	124.52	-304.75	-8,976.60	9,854.87	9,666.91	187.95	52.432		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,672.54	4,704.54	4,704.54	31.45	162.52	124.70	-304.75	-8,976.60	9,878.95	9,687.18	191.78	51.513			
5,100.00	4,764.17	4,803.83	4,796.17	32.16	165.99	124.88	-304.75	-8,976.60	9,903.14	9,707.27	195.86	50.561			
5,200.00	4,855.81	4,887.81	4,887.81	32.86	168.92	125.06	-304.75	-8,976.60	9,927.43	9,728.01	199.42	49.782			
5,300.00	4,947.45	4,979.45	4,979.45	33.56	172.12	125.24	-304.75	-8,976.60	9,951.82	9,748.58	203.24	48.967			
5,400.00	5,039.08	5,071.08	5,071.08	34.27	175.32	125.42	-304.75	-8,976.60	9,976.31	9,769.26	207.06	48.182			
7,600.00	6,916.82	6,948.82	6,948.82	46.35	240.86	44.65	-304.75	-8,976.60	9,972.01	9,690.00	282.01	35.360			
7,650.00	6,932.60	6,964.60	6,964.60	46.55	241.41	48.15	-304.75	-8,976.60	9,926.96	9,644.45	282.51	35.139			
7,700.00	6,944.86	6,976.86	6,976.86	46.78	241.84	53.45	-304.75	-8,976.60	9,880.52	9,597.63	282.89	34.928			
7,750.00	6,953.55	6,985.55	6,985.55	47.04	242.14	61.56	-304.75	-8,976.60	9,832.97	9,549.82	283.15	34.727			
7,800.00	6,958.59	7,009.41	6,990.59	47.33	242.98	74.07	-304.75	-8,976.60	9,784.61	9,500.66	283.95	34.459			
7,842.10	6,960.00	7,008.00	6,992.00	47.60	242.93	89.29	-304.75	-8,976.60	9,743.48	9,459.59	283.89	34.322			
7,900.00	6,960.15	7,007.85	6,992.15	48.01	242.92	89.29	-304.75	-8,976.60	9,686.73	9,402.86	283.87	34.124			
8,000.00	6,960.40	7,007.60	6,992.40	48.86	242.91	89.30	-304.75	-8,976.60	9,588.76	9,304.92	283.84	33.782			
8,100.00	6,960.65	7,007.35	6,992.65	49.87	242.90	89.31	-304.75	-8,976.60	9,490.83	9,207.01	283.82	33.439			
8,200.00	6,960.91	7,007.10	6,992.91	51.06	242.89	89.31	-304.75	-8,976.60	9,392.94	9,109.13	283.81	33.095			
8,300.00	6,961.16	7,006.84	6,993.16	52.41	242.89	89.32	-304.75	-8,976.60	9,295.10	9,011.29	283.82	32.750			
8,400.00	6,961.41	7,006.59	6,993.41	53.93	242.88	89.33	-304.75	-8,976.60	9,197.31	8,913.48	283.83	32.404			
8,500.00	6,961.66	7,006.34	6,993.66	55.59	242.87	89.34	-304.75	-8,976.60	9,099.57	8,815.70	283.86	32.056			
8,600.00	6,961.91	7,006.09	6,993.91	57.37	242.86	89.34	-304.75	-8,976.60	9,001.87	8,717.96	283.91	31.707			
8,700.00	6,962.16	7,005.84	6,994.16	59.27	242.85	89.35	-304.75	-8,976.60	8,904.22	8,620.26	283.96	31.357			
8,800.00	6,962.42	7,005.58	6,994.42	61.26	242.84	89.36	-304.75	-8,976.60	8,806.63	8,522.60	284.03	31.005			
8,900.00	6,962.67	7,005.33	6,994.67	63.34	242.83	89.37	-304.75	-8,976.60	8,709.10	8,424.97	284.12	30.653			
9,000.00	6,962.92	7,005.08	6,994.92	65.49	242.82	89.37	-304.75	-8,976.60	8,611.62	8,327.39	284.23	30.298			
9,100.00	6,963.17	7,004.83	6,995.17	67.70	242.82	89.38	-304.75	-8,976.60	8,514.19	8,229.84	284.35	29.943			
9,200.00	6,963.42	7,004.58	6,995.42	69.97	242.81	89.39	-304.75	-8,976.60	8,416.83	8,132.34	284.49	29.586			
9,300.00	6,963.68	7,004.32	6,995.68	72.28	242.80	89.40	-304.75	-8,976.60	8,319.53	8,034.88	284.65	29.227			
9,400.00	6,963.93	7,004.07	6,995.93	74.64	242.79	89.40	-304.75	-8,976.60	8,222.30	7,937.47	284.83	28.868			
9,500.00	6,964.18	7,003.82	6,996.18	77.04	242.78	89.41	-304.75	-8,976.60	8,125.13	7,840.10	285.03	28.506			
9,600.00	6,964.43	7,003.57	6,996.43	79.48	242.77	89.42	-304.75	-8,976.60	8,028.03	7,742.78	285.25	28.144			
9,700.00	6,964.68	7,003.32	6,996.68	81.94	242.76	89.43	-304.75	-8,976.60	7,931.01	7,645.51	285.50	27.779			
9,800.00	6,964.94	7,003.07	6,996.94	84.43	242.75	89.43	-304.75	-8,976.60	7,834.06	7,548.28	285.77	27.414			
9,900.00	6,965.19	7,002.81	6,997.19	86.95	242.75	89.44	-304.75	-8,976.60	7,737.18	7,451.11	286.07	27.046			
10,000.00	6,965.44	7,002.56	6,997.44	89.49	242.74	89.45	-304.75	-8,976.60	7,640.39	7,353.99	286.40	26.678			
10,100.00	6,965.69	7,002.31	6,997.69	92.05	242.73	89.46	-304.75	-8,976.60	7,543.68	7,256.93	286.75	26.307			
10,200.00	6,965.94	7,002.06	6,997.94	94.63	242.72	89.46	-304.75	-8,976.60	7,447.06	7,159.92	287.14	25.936			
10,300.00	6,966.19	7,001.81	6,998.19	97.22	242.71	89.47	-304.75	-8,976.60	7,350.53	7,062.98	287.55	25.562			
10,400.00	6,966.45	7,001.55	6,998.45	99.83	242.70	89.48	-304.75	-8,976.60	7,254.09	6,966.09	288.00	25.188			
10,500.00	6,966.70	7,001.30	6,998.70	102.46	242.69	89.49	-304.75	-8,976.60	7,157.75	6,869.27	288.48	24.812			
10,600.00	6,966.95	7,001.05	6,998.95	105.09	242.68	89.49	-304.75	-8,976.60	7,061.51	6,772.51	289.00	24.434			
10,700.00	6,967.20	7,000.80	6,999.20	107.74	242.68	89.50	-304.75	-8,976.60	6,965.38	6,675.83	289.55	24.056			
10,800.00	6,967.45	7,000.55	6,999.45	110.41	242.67	89.51	-304.75	-8,976.60	6,869.36	6,579.21	290.15	23.676			
10,900.00	6,967.71	7,000.29	6,999.71	113.08	242.66	89.51	-304.75	-8,976.60	6,773.45	6,482.67	290.78	23.294			
11,000.00	6,967.96	7,000.04	6,999.96	115.76	242.65	89.52	-304.75	-8,976.60	6,677.66	6,386.21	291.45	22.912			
11,100.00	6,968.21	7,000.21	7,000.21	118.45	242.65	89.53	-304.75	-8,976.60	6,582.00	6,289.82	292.19	22.527			
11,200.00	6,968.46	7,000.46	7,000.46	121.15	242.66	89.54	-304.75	-8,976.60	6,486.47	6,193.50	292.97	22.141			
11,300.00	6,968.71	7,000.71	7,000.71	123.85	242.67	89.54	-304.75	-8,976.60	6,391.08	6,097.28	293.80	21.753			
11,400.00	6,968.97	7,000.97	7,000.97	126.56	242.68	89.55	-304.75	-8,976.60	6,295.83	6,001.15	294.67	21.365			
11,500.00	6,969.22	7,001.22	7,001.22	129.28	242.69	89.56	-304.75	-8,976.60	6,200.73	5,905.12	295.60	20.977			
11,600.00	6,969.47	7,001.47	7,001.47	132.01	242.70	89.57	-304.75	-8,976.60	6,105.78	5,809.20	296.58	20.587			
11,700.00	6,969.72	7,001.72	7,001.72	134.74	242.71	89.57	-304.75	-8,976.60	6,011.00	5,713.38	297.62	20.197			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD #5(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,800.00	6,969.97	7,001.97	7,001.97	137.48	242.72	89.58	-304.75	-8,976.60	5,916.39	5,617.67	298.72	19.806		
11,900.00	6,970.22	7,002.22	7,002.22	140.22	242.72	89.59	-304.75	-8,976.60	5,821.96	5,522.09	299.87	19.415		
12,000.00	6,970.48	7,002.48	7,002.48	142.97	242.73	89.60	-304.75	-8,976.60	5,727.72	5,426.63	301.09	19.023		
12,100.00	6,970.73	7,002.73	7,002.73	145.72	242.74	89.60	-304.75	-8,976.60	5,633.68	5,331.31	302.37	18.632		
12,200.00	6,970.98	7,002.98	7,002.98	148.47	242.75	89.61	-304.75	-8,976.60	5,539.85	5,236.13	303.72	18.240		
12,300.00	6,971.23	7,003.23	7,003.23	151.23	242.76	89.62	-304.75	-8,976.60	5,446.24	5,141.10	305.14	17.848		
12,400.00	6,971.48	7,003.48	7,003.48	154.00	242.77	89.63	-304.75	-8,976.60	5,352.85	5,046.22	306.63	17.457		
12,500.00	6,971.74	7,003.74	7,003.74	156.76	242.78	89.63	-304.75	-8,976.60	5,259.72	4,951.52	308.20	17.066		
12,600.00	6,971.99	7,003.99	7,003.99	159.53	242.79	89.64	-304.75	-8,976.60	5,166.83	4,856.99	309.84	16.676		
12,700.00	6,972.24	7,004.24	7,004.24	162.31	242.80	89.65	-304.75	-8,976.60	5,074.22	4,762.65	311.57	16.286		
12,800.00	6,972.49	7,004.49	7,004.49	165.09	242.80	89.66	-304.75	-8,976.60	4,981.90	4,668.51	313.39	15.897		
12,900.00	6,972.74	7,004.74	7,004.74	167.86	242.81	89.66	-304.75	-8,976.60	4,889.87	4,574.58	315.30	15.509		
13,002.01	6,973.00	7,005.00	7,005.00	170.70	242.82	89.67	-304.75	-8,976.60	4,796.33	4,478.99	317.34	15.114	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	13.00	13.00	3.28	3.29	-96.41	-1,090.65	-9,700.81	9,761.92					
100.00	100.00	113.00	113.00	3.28	3.95	-96.41	-1,090.65	-9,700.81	9,761.92	9,754.69	7.23	1,349.487		
200.00	200.00	213.00	213.00	3.34	6.57	-96.41	-1,090.65	-9,700.81	9,761.92	9,752.02	9.91	985.555		
300.00	300.00	313.00	313.00	3.44	9.75	-96.41	-1,090.65	-9,700.81	9,761.92	9,748.73	13.19	739.846		
400.00	399.98	412.98	412.98	3.60	13.09	114.18	-1,090.65	-9,700.81	9,762.64	9,745.95	16.69	585.112		
500.00	499.84	512.84	512.84	3.79	16.49	114.17	-1,090.65	-9,700.81	9,764.79	9,744.51	20.27	481.661		
600.00	599.45	612.45	612.45	4.02	19.91	114.15	-1,090.65	-9,700.81	9,768.36	9,744.44	23.93	408.282		
700.00	698.70	711.70	711.70	4.29	23.33	114.12	-1,090.65	-9,700.81	9,773.38	9,745.76	27.62	353.843		
800.00	797.47	810.47	810.47	4.60	26.75	114.09	-1,090.65	-9,700.81	9,779.84	9,748.49	31.34	312.009		
900.00	895.62	908.62	908.62	4.94	30.15	114.05	-1,090.65	-9,700.81	9,787.74	9,752.65	35.09	278.949		
1,000.00	993.06	1,006.06	1,006.06	5.31	33.54	113.99	-1,090.65	-9,700.81	9,797.10	9,758.25	38.84	252.224		
1,100.00	1,089.64	1,102.64	1,102.64	5.72	36.89	113.93	-1,090.65	-9,700.81	9,807.91	9,765.31	42.60	230.214		
1,200.00	1,185.27	1,201.73	1,198.27	6.17	40.34	113.85	-1,090.65	-9,700.81	9,820.20	9,773.72	46.49	211.252		
1,300.00	1,279.82	1,307.18	1,292.82	6.65	44.01	113.76	-1,090.65	-9,700.81	9,833.97	9,783.34	50.62	194.253		
1,400.00	1,373.17	1,386.17	1,386.17	7.17	46.76	113.66	-1,090.65	-9,700.81	9,849.23	9,795.35	53.88	182.809		
1,479.95	1,446.87	1,459.87	1,459.87	7.61	49.33	113.57	-1,090.65	-9,700.81	9,862.50	9,805.63	56.87	173.419		
1,500.00	1,465.24	1,478.24	1,478.24	7.72	49.97	113.61	-1,090.65	-9,700.81	9,865.95	9,808.33	57.62	171.221		
1,600.00	1,556.88	1,569.88	1,569.88	8.31	53.16	113.80	-1,090.65	-9,700.81	9,883.25	9,821.88	61.37	161.034		
1,700.00	1,648.52	1,661.52	1,661.52	8.92	56.35	114.00	-1,090.65	-9,700.81	9,900.68	9,835.54	65.14	151.984		
1,800.00	1,740.15	1,753.15	1,753.15	9.54	59.55	114.20	-1,090.65	-9,700.81	9,918.24	9,849.32	68.93	143.897		
1,900.00	1,831.79	1,844.79	1,844.79	10.17	62.74	114.39	-1,090.65	-9,700.81	9,935.94	9,863.22	72.72	136.632		
2,000.00	1,923.43	1,936.43	1,936.43	10.81	65.94	114.59	-1,090.65	-9,700.81	9,953.76	9,877.23	76.52	130.075		
2,100.00	2,015.06	2,028.06	2,028.06	11.46	69.13	114.78	-1,090.65	-9,700.81	9,971.71	9,891.37	80.33	124.128		
2,200.00	2,106.70	2,119.70	2,119.70	12.11	72.33	114.98	-1,090.65	-9,700.81	9,989.79	9,905.64	84.15	118.714		
8,200.00	6,960.91	6,973.91	6,973.91	51.06	241.74	88.75	-1,090.65	-9,700.81	9,978.83	9,695.34	283.49	35.200		
8,300.00	6,961.16	6,974.16	6,974.16	52.41	241.75	88.76	-1,090.65	-9,700.81	9,979.49	9,596.01	283.48	34.850		
8,400.00	6,961.41	6,974.41	6,974.41	53.93	241.75	88.77	-1,090.65	-9,700.81	9,980.17	9,496.69	283.48	34.500		
8,500.00	6,961.66	6,974.66	6,974.66	55.59	241.76	88.79	-1,090.65	-9,700.81	9,980.86	9,397.38	283.48	34.150		
8,600.00	6,961.91	6,974.91	6,974.91	57.37	241.77	88.80	-1,090.65	-9,700.81	9,981.57	9,298.08	283.48	33.799		
8,700.00	6,962.16	6,975.16	6,975.16	59.27	241.78	88.81	-1,090.65	-9,700.81	9,982.29	9,198.80	283.49	33.448		
8,800.00	6,962.42	6,975.42	6,975.42	61.26	241.79	88.82	-1,090.65	-9,700.81	9,983.03	9,099.52	283.51	33.096		
8,900.00	6,962.67	6,975.67	6,975.67	63.34	241.80	88.84	-1,090.65	-9,700.81	9,983.78	9,000.25	283.53	32.744		
9,000.00	6,962.92	6,975.92	6,975.92	65.49	241.81	88.85	-1,090.65	-9,700.81	9,984.55	8,901.00	283.55	32.391		
9,100.00	6,963.17	6,976.17	6,976.17	67.70	241.82	88.86	-1,090.65	-9,700.81	9,985.33	8,801.76	283.58	32.038		
9,200.00	6,963.42	6,976.42	6,976.42	69.97	241.82	88.87	-1,090.65	-9,700.81	9,986.14	8,702.52	283.61	31.685		
9,300.00	6,963.68	6,976.68	6,976.68	72.28	241.83	88.89	-1,090.65	-9,700.81	9,986.96	8,603.30	283.65	31.330		
9,400.00	6,963.93	6,976.93	6,976.93	74.64	241.84	88.90	-1,090.65	-9,700.81	9,987.80	8,504.10	283.70	30.976		
9,500.00	6,964.18	6,977.18	6,977.18	77.04	241.85	88.91	-1,090.65	-9,700.81	9,988.66	8,404.90	283.75	30.620		
9,600.00	6,964.43	6,977.43	6,977.43	79.48	241.86	88.92	-1,090.65	-9,700.81	9,989.54	8,305.72	283.81	30.265		
9,700.00	6,964.68	6,977.68	6,977.68	81.94	241.87	88.94	-1,090.65	-9,700.81	9,990.44	8,206.55	283.88	29.908		
9,800.00	6,964.94	6,977.94	6,977.94	84.43	241.88	88.95	-1,090.65	-9,700.81	9,991.36	8,107.40	283.96	29.551		
9,900.00	6,965.19	6,978.19	6,978.19	86.95	241.89	88.96	-1,090.65	-9,700.81	9,992.30	8,008.26	284.04	29.194		
10,000.00	6,965.44	6,978.44	6,978.44	89.49	241.89	88.98	-1,090.65	-9,700.81	9,993.26	7,909.13	284.13	28.836		
10,100.00	6,965.69	6,978.69	6,978.69	92.05	241.90	88.99	-1,090.65	-9,700.81	9,994.25	7,810.02	284.24	28.477		
10,200.00	6,965.94	6,978.94	6,978.94	94.63	241.91	89.00	-1,090.65	-9,700.81	9,995.27	7,710.92	284.35	28.118		
10,300.00	6,966.19	6,979.19	6,979.19	97.22	241.92	89.01	-1,090.65	-9,700.81	9,996.31	7,611.84	284.47	27.758		
10,400.00	6,966.45	6,979.45	6,979.45	99.83	241.93	89.03	-1,090.65	-9,700.81	9,997.37	7,512.77	284.60	27.397		
10,500.00	6,966.70	6,979.70	6,979.70	102.46	241.94	89.04	-1,090.65	-9,700.81	9,998.47	7,413.72	284.75	27.036		
10,600.00	6,966.95	6,979.95	6,979.95	105.09	241.95	89.05	-1,090.65	-9,700.81	9,999.59	7,314.69	284.90	26.674		
10,700.00	6,967.20	6,980.20	6,980.20	107.74	241.96	89.06	-1,090.65	-9,700.81	9,999.74	7,215.67	285.07	26.312		
10,800.00	6,967.45	6,980.45	6,980.45	110.41	241.96	89.08	-1,090.65	-9,700.81	9,999.93	7,116.67	285.25	25.949		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - BLACK GOLD PETROLEUM #1(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
10,900.00	6,967.71	6,980.71	6,980.71	113.08	241.97	89.09	-1,090.65	-9,700.81	7,303.14	7,017.69	285.45	25.585		
11,000.00	6,967.96	6,980.96	6,980.96	115.76	241.98	89.10	-1,090.65	-9,700.81	7,204.39	6,918.73	285.66	25.220		
11,100.00	6,968.21	6,981.21	6,981.21	118.45	241.99	89.11	-1,090.65	-9,700.81	7,105.67	6,819.79	285.89	24.855		
11,200.00	6,968.46	6,981.46	6,981.46	121.15	242.00	89.13	-1,090.65	-9,700.81	7,007.00	6,720.87	286.13	24.489		
11,300.00	6,968.71	6,981.71	6,981.71	123.85	242.01	89.14	-1,090.65	-9,700.81	6,908.35	6,621.96	286.39	24.122		
11,400.00	6,968.97	6,981.97	6,981.97	126.56	242.02	89.15	-1,090.65	-9,700.81	6,809.75	6,523.08	286.67	23.755		
11,500.00	6,969.22	6,982.22	6,982.22	129.28	242.03	89.16	-1,090.65	-9,700.81	6,711.19	6,424.22	286.97	23.386		
11,600.00	6,969.47	6,982.47	6,982.47	132.01	242.04	89.18	-1,090.65	-9,700.81	6,612.67	6,325.38	287.29	23.017		
11,700.00	6,969.72	6,982.72	6,982.72	134.74	242.04	89.19	-1,090.65	-9,700.81	6,514.20	6,226.57	287.63	22.648		
11,800.00	6,969.97	6,982.97	6,982.97	137.48	242.05	89.20	-1,090.65	-9,700.81	6,415.78	6,127.78	288.00	22.277		
11,900.00	6,970.22	6,983.22	6,983.22	140.22	242.06	89.22	-1,090.65	-9,700.81	6,317.40	6,029.01	288.39	21.906		
12,000.00	6,970.48	6,983.48	6,983.48	142.97	242.07	89.23	-1,090.65	-9,700.81	6,219.08	5,930.27	288.81	21.534		
12,100.00	6,970.73	6,983.73	6,983.73	145.72	242.08	89.24	-1,090.65	-9,700.81	6,120.81	5,831.56	289.25	21.161		
12,200.00	6,970.98	6,983.98	6,983.98	148.47	242.09	89.25	-1,090.65	-9,700.81	6,022.59	5,732.87	289.72	20.787		
12,300.00	6,971.23	6,984.23	6,984.23	151.23	242.10	89.27	-1,090.65	-9,700.81	5,924.44	5,634.21	290.23	20.413		
12,400.00	6,971.48	6,984.48	6,984.48	154.00	242.11	89.28	-1,090.65	-9,700.81	5,826.35	5,535.59	290.76	20.038		
12,500.00	6,971.74	6,984.74	6,984.74	156.76	242.11	89.29	-1,090.65	-9,700.81	5,728.33	5,436.99	291.33	19.662		
12,600.00	6,971.99	6,984.99	6,984.99	159.53	242.12	89.30	-1,090.65	-9,700.81	5,630.37	5,338.43	291.94	19.286		
12,700.00	6,972.24	6,985.24	6,985.24	162.31	242.13	89.32	-1,090.65	-9,700.81	5,532.49	5,239.90	292.59	18.909		
12,800.00	6,972.49	6,985.49	6,985.49	165.09	242.14	89.33	-1,090.65	-9,700.81	5,434.69	5,141.41	293.28	18.531		
12,900.00	6,972.74	6,985.74	6,985.74	167.86	242.15	89.34	-1,090.65	-9,700.81	5,336.96	5,042.95	294.01	18.152		
13,002.01	6,973.00	6,986.00	6,986.00	170.70	242.16	89.35	-1,090.65	-9,700.81	5,237.36	4,942.56	294.80	17.766	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	23.83	23.83	3.28	3.28	-88.67	224.87	-9,700.29	9,702.90					
100.00	100.00	115.37	115.37	3.28	3.29	-88.67	225.05	-9,700.35	9,702.96	9,696.39	6.58	1,475.372		
200.00	200.00	206.48	206.48	3.34	3.35	-88.67	225.43	-9,700.48	9,703.12	9,696.43	6.68	1,451.520		
300.00	300.00	298.46	298.46	3.44	3.45	-88.67	225.83	-9,700.69	9,703.36	9,696.47	6.89	1,407.685		
400.00	399.98	418.37	418.37	3.60	3.64	121.93	226.07	-9,700.90	9,704.46	9,697.22	7.24	1,341.296		
500.00	499.84	522.01	522.01	3.79	3.85	121.91	225.97	-9,700.95	9,707.27	9,699.63	7.64	1,270.900		
600.00	599.45	617.18	617.18	4.02	4.08	121.87	225.86	-9,701.03	9,711.97	9,703.87	8.10	1,199.203		
700.00	698.70	738.53	738.53	4.29	4.41	121.83	225.94	-9,701.00	9,718.41	9,709.72	8.70	1,117.463		
800.00	797.47	851.69	851.69	4.60	4.74	121.78	225.92	-9,700.72	9,726.48	9,717.15	9.34	1,041.604		
900.00	895.62	932.34	932.33	4.94	5.00	121.69	225.69	-9,700.52	9,736.41	9,726.48	9.93	980.490		
1,000.00	993.06	1,000.00	1,000.00	5.31	5.22	121.56	225.49	-9,700.59	9,748.50	9,737.98	10.52	926.630		
1,100.00	1,089.64	1,100.00	1,103.58	5.72	5.56	121.45	225.07	-9,700.73	9,762.49	9,751.23	11.26	867.130		
1,200.00	1,185.27	1,169.01	1,169.00	6.17	5.80	121.27	224.71	-9,700.87	9,778.44	9,766.51	11.93	819.799		
1,300.00	1,279.82	1,268.66	1,268.65	6.65	6.16	121.12	224.08	-9,701.41	9,796.52	9,783.78	12.74	768.731		
1,400.00	1,373.17	1,355.88	1,355.86	7.17	6.47	120.92	223.53	-9,701.73	9,816.29	9,802.74	13.55	724.279		
1,479.95	1,446.87	1,412.59	1,412.58	7.61	6.68	120.73	223.28	-9,702.04	9,833.57	9,819.39	14.18	693.577		
1,500.00	1,465.24	1,427.74	1,427.72	7.72	6.74	120.76	223.22	-9,702.14	9,838.07	9,823.73	14.34	685.973		
1,600.00	1,556.88	1,503.83	1,503.81	8.31	7.03	120.92	222.81	-9,702.71	9,860.68	9,845.51	15.17	650.075		
1,700.00	1,648.52	1,591.96	1,591.94	8.92	7.36	121.09	222.37	-9,703.46	9,883.48	9,867.42	16.06	615.379		
1,800.00	1,740.15	1,688.95	1,688.93	9.54	7.74	121.29	222.03	-9,704.26	9,906.39	9,889.39	17.00	582.574		
1,900.00	1,831.79	1,784.80	1,784.77	10.17	8.11	121.48	221.85	-9,705.00	9,929.36	9,911.40	17.96	552.923		
2,000.00	1,923.43	1,852.90	1,852.87	10.81	8.38	121.62	221.85	-9,705.56	9,952.51	9,933.70	18.81	529.097		
2,100.00	2,015.06	1,917.24	1,917.21	11.46	8.63	121.75	221.92	-9,706.27	9,976.03	9,956.37	19.66	507.556		
2,200.00	2,106.70	1,986.09	1,986.05	12.11	8.91	121.89	222.15	-9,707.19	9,999.87	9,979.35	20.52	487.222		
8,500.00	6,961.66	6,932.90	6,932.53	55.59	29.64	88.17	247.95	-9,738.36	9,970.04	9,899.66	70.37	141.674		
8,600.00	6,961.91	6,933.58	6,933.22	57.37	29.64	88.18	247.96	-9,738.36	9,873.22	9,802.75	70.46	140.116		
8,700.00	6,962.16	6,934.26	6,933.90	59.27	29.65	88.20	247.96	-9,738.37	9,776.46	9,705.89	70.57	138.527		
8,800.00	6,962.42	6,934.94	6,934.58	61.26	29.65	88.21	247.96	-9,738.37	9,679.77	9,609.07	70.70	136.905		
8,900.00	6,962.67	6,935.62	6,935.26	63.34	29.65	88.23	247.97	-9,738.37	9,583.15	9,512.30	70.85	135.250		
9,000.00	6,962.92	6,936.30	6,935.94	65.49	29.66	88.24	247.97	-9,738.38	9,486.60	9,415.57	71.03	133.563		
9,100.00	6,963.17	6,936.98	6,936.62	67.70	29.66	88.26	247.98	-9,738.38	9,390.12	9,318.90	71.22	131.843		
9,200.00	6,963.42	6,937.66	6,937.30	69.97	29.66	88.28	247.98	-9,738.38	9,293.71	9,222.27	71.44	130.090		
9,300.00	6,963.68	6,938.35	6,937.99	72.28	29.66	88.29	247.98	-9,738.39	9,197.39	9,125.70	71.68	128.305		
9,400.00	6,963.93	6,939.03	6,938.67	74.64	29.67	88.31	247.99	-9,738.39	9,101.14	9,029.18	71.95	126.488		
9,500.00	6,964.18	6,939.71	6,939.35	77.04	29.67	88.32	247.99	-9,738.39	9,004.97	8,932.72	72.25	124.640		
9,600.00	6,964.43	6,940.39	6,940.03	79.48	29.67	88.34	247.99	-9,738.39	8,908.89	8,836.32	72.57	122.761		
9,700.00	6,964.68	6,941.07	6,940.71	81.94	29.68	88.35	248.00	-9,738.40	8,812.89	8,739.97	72.92	120.853		
9,800.00	6,964.94	6,941.75	6,941.39	84.43	29.68	88.37	248.00	-9,738.40	8,716.98	8,643.68	73.30	118.916		
9,900.00	6,965.19	6,942.43	6,942.07	86.95	29.68	88.39	248.01	-9,738.40	8,621.17	8,547.45	73.72	116.951		
10,000.00	6,965.44	6,943.12	6,942.75	89.49	29.68	88.40	248.01	-9,738.41	8,525.45	8,451.29	74.16	114.959		
10,100.00	6,965.69	6,943.80	6,943.44	92.05	29.69	88.42	248.01	-9,738.41	8,429.84	8,355.20	74.64	112.943		
10,200.00	6,965.94	6,944.48	6,944.12	94.63	29.69	88.43	248.02	-9,738.41	8,334.32	8,259.17	75.15	110.904		
10,300.00	6,966.19	6,945.16	6,944.80	97.22	29.69	88.45	248.02	-9,738.41	8,238.91	8,163.22	75.70	108.842		
10,400.00	6,966.45	6,945.84	6,945.48	99.83	29.70	88.46	248.02	-9,738.42	8,143.61	8,067.34	76.28	106.761		
10,500.00	6,966.70	6,946.52	6,946.16	102.46	29.70	88.48	248.03	-9,738.42	8,048.43	7,971.53	76.90	104.661		
10,600.00	6,966.95	6,947.20	6,946.84	105.09	29.70	88.50	248.03	-9,738.42	7,953.36	7,875.81	77.56	102.546		
10,700.00	6,967.20	6,947.88	6,947.52	107.74	29.70	88.51	248.04	-9,738.43	7,858.42	7,780.16	78.26	100.417		
10,800.00	6,967.45	6,948.57	6,948.20	110.41	29.71	88.53	248.04	-9,738.43	7,763.60	7,684.61	79.00	98.275		
10,900.00	6,967.71	6,949.25	6,948.89	113.08	29.71	88.54	248.04	-9,738.43	7,668.92	7,589.14	79.78	96.125		
11,000.00	6,967.96	6,949.93	6,949.57	115.76	29.71	88.56	248.05	-9,738.43	7,574.37	7,493.76	80.61	93.967		
11,100.00	6,968.21	6,950.61	6,950.25	118.45	29.72	88.57	248.05	-9,738.44	7,479.96	7,398.49	81.48	91.804		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - BLACK GOLD PETROLEUM #2(SI) - OH - OH		Offset Site Error:		0.00 ft									
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft											
Reference		Offset		Semi Major Axis			Distance							Warning												
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor														
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)															
11,200.00	6,968.46	6,951.29	6,950.93	121.15	29.72	88.59	248.05	-9,738.44	7,385.70	7,303.31	82.39	89.639														
11,300.00	6,968.71	6,951.97	6,951.61	123.85	29.72	88.61	248.06	-9,738.44	7,291.60	7,208.24	83.36	87.474														
11,400.00	6,968.97	6,952.65	6,952.29	126.56	29.72	88.62	248.06	-9,738.45	7,197.65	7,113.28	84.37	85.311														
11,500.00	6,969.22	6,953.33	6,952.97	129.28	29.73	88.64	248.07	-9,738.45	7,103.86	7,018.43	85.43	83.152														
11,600.00	6,969.47	6,954.02	6,953.65	132.01	29.73	88.65	248.07	-9,738.45	7,010.25	6,923.71	86.55	81.001														
														11,700.00	6,969.72	6,954.70	6,954.34	134.74	29.73	88.67	248.07	-9,738.46	6,916.82	6,829.11	87.71	78.858
														11,800.00	6,969.97	6,955.38	6,955.02	137.48	29.74	88.68	248.08	-9,738.46	6,823.57	6,734.64	88.93	76.727
														11,900.00	6,970.22	6,956.06	6,955.70	140.22	29.74	88.70	248.08	-9,738.46	6,730.52	6,640.31	90.21	74.610
														12,000.00	6,970.48	6,956.74	6,956.38	142.97	29.74	88.72	248.08	-9,738.46	6,637.67	6,546.13	91.54	72.509
12,100.00	6,970.73	6,957.42	6,957.06	145.72	29.75	88.73	248.09	-9,738.47	6,545.03	6,452.10	92.94	70.425														
														12,200.00	6,970.98	6,958.10	6,957.74	148.47	29.75	88.75	248.09	-9,738.47	6,452.61	6,358.22	94.39	68.361
														12,300.00	6,971.23	6,958.79	6,958.42	151.23	29.75	88.76	248.10	-9,738.47	6,360.42	6,264.51	95.91	66.319
														12,400.00	6,971.48	6,959.47	6,959.11	154.00	29.75	88.78	248.10	-9,738.48	6,268.47	6,170.98	97.49	64.301
														12,500.00	6,971.74	6,960.15	6,959.79	156.76	29.76	88.79	248.10	-9,738.48	6,176.77	6,077.63	99.13	62.307
12,600.00	6,971.99	6,960.83	6,960.47	159.53	29.76	88.81	248.11	-9,738.48	6,085.33	5,984.48	100.85	60.340														
														12,700.00	6,972.24	6,961.51	6,961.15	162.31	29.76	88.83	248.11	-9,738.48	5,994.16	5,891.52	102.64	58.402
														12,800.00	6,972.49	6,962.19	6,961.83	165.09	29.77	88.84	248.11	-9,738.49	5,903.28	5,798.78	104.50	56.493
														12,900.00	6,972.74	6,962.87	6,962.51	167.86	29.77	88.86	248.12	-9,738.49	5,812.70	5,706.27	106.43	54.616
														13,002.01	6,973.00	6,963.57	6,963.21	170.70	29.77	88.87	248.12	-9,738.49	5,720.62	5,612.14	108.48	52.733 CC, ES, SF

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	14.00	14.00	3.28	3.29	-97.28	-1,091.08	-8,542.19	8,611.59					
100.00	100.00	114.00	114.00	3.28	3.97	-97.28	-1,091.08	-8,542.19	8,611.59	8,604.34	7.25	1,187.257		
200.00	200.00	214.00	214.00	3.34	6.60	-97.28	-1,091.08	-8,542.19	8,611.59	8,601.66	9.94	866.769		
300.00	300.00	314.00	314.00	3.44	9.78	-97.28	-1,091.08	-8,542.19	8,611.59	8,598.37	13.23	651.041		
400.00	399.98	413.98	413.98	3.60	13.12	113.32	-1,091.08	-8,542.19	8,612.28	8,595.57	16.72	515.123		
500.00	499.84	513.84	513.84	3.79	16.52	113.31	-1,091.08	-8,542.19	8,614.36	8,594.05	20.31	424.200		
600.00	599.45	613.45	613.45	4.02	19.94	113.30	-1,091.08	-8,542.19	8,617.82	8,593.86	23.96	359.676		
700.00	698.70	712.70	712.70	4.29	23.37	113.29	-1,091.08	-8,542.19	8,622.67	8,595.01	27.66	311.792		
800.00	797.47	811.47	811.47	4.60	26.78	113.27	-1,091.08	-8,542.19	8,628.92	8,597.54	31.38	274.986		
900.00	895.62	909.62	909.62	4.94	30.19	113.24	-1,091.08	-8,542.19	8,636.57	8,601.45	35.12	245.896		
1,000.00	993.06	1,007.06	1,007.06	5.31	33.57	113.21	-1,091.08	-8,542.19	8,645.63	8,606.76	38.88	222.379		
1,100.00	1,089.64	1,103.64	1,103.64	5.72	36.93	113.17	-1,091.08	-8,542.19	8,656.13	8,613.49	42.64	203.009		
1,200.00	1,185.27	1,200.73	1,199.27	6.17	40.31	113.12	-1,091.08	-8,542.19	8,668.06	8,621.61	46.45	186.601		
1,300.00	1,279.82	1,306.18	1,293.82	6.65	43.98	113.06	-1,091.08	-8,542.19	8,681.44	8,630.85	50.59	171.598		
1,400.00	1,373.17	1,387.17	1,387.17	7.17	46.80	112.99	-1,091.08	-8,542.19	8,696.29	8,642.37	53.91	161.296		
1,479.95	1,446.87	1,460.87	1,460.87	7.61	49.36	112.92	-1,091.08	-8,542.19	8,709.22	8,652.31	56.91	153.036		
1,500.00	1,465.24	1,479.24	1,479.24	7.72	50.00	112.96	-1,091.08	-8,542.19	8,712.59	8,654.93	57.66	151.103		
1,600.00	1,556.88	1,570.88	1,570.88	8.31	53.20	113.19	-1,091.08	-8,542.19	8,729.46	8,668.05	61.41	142.142		
1,700.00	1,648.52	1,662.52	1,662.52	8.92	56.39	113.41	-1,091.08	-8,542.19	8,746.49	8,681.31	65.18	134.181		
1,800.00	1,740.15	1,754.15	1,754.15	9.54	59.58	113.64	-1,091.08	-8,542.19	8,763.67	8,694.70	68.97	127.068		
1,900.00	1,831.79	1,845.79	1,845.79	10.17	62.78	113.86	-1,091.08	-8,542.19	8,781.00	8,708.24	72.76	120.679		
2,000.00	1,923.43	1,937.43	1,937.43	10.81	65.97	114.08	-1,091.08	-8,542.19	8,798.47	8,721.91	76.57	114.912		
2,100.00	2,015.06	2,029.06	2,029.06	11.46	69.17	114.30	-1,091.08	-8,542.19	8,816.10	8,735.72	80.38	109.682		
2,200.00	2,106.70	2,120.70	2,120.70	12.11	72.36	114.52	-1,091.08	-8,542.19	8,833.87	8,749.67	84.20	104.921		
2,300.00	2,198.34	2,212.34	2,212.34	12.78	75.56	114.74	-1,091.08	-8,542.19	8,851.78	8,763.76	88.02	100.568		
2,400.00	2,289.98	2,303.98	2,303.98	13.44	78.75	114.96	-1,091.08	-8,542.19	8,869.84	8,778.00	91.84	96.575		
2,500.00	2,381.61	2,404.39	2,395.61	14.11	82.26	115.18	-1,091.08	-8,542.19	8,888.04	8,792.06	95.98	92.604		
2,600.00	2,473.25	2,487.25	2,487.25	14.79	85.15	115.40	-1,091.08	-8,542.19	8,906.39	8,806.88	99.50	89.507		
2,700.00	2,564.89	2,578.89	2,578.89	15.47	88.34	115.61	-1,091.08	-8,542.19	8,924.87	8,821.54	103.34	86.365		
2,800.00	2,656.52	2,670.52	2,670.52	16.15	91.54	115.83	-1,091.08	-8,542.19	8,943.50	8,836.33	107.18	83.448		
2,900.00	2,748.16	2,762.16	2,762.16	16.83	94.74	116.04	-1,091.08	-8,542.19	8,962.27	8,851.26	111.01	80.732		
3,000.00	2,839.80	2,853.80	2,853.80	17.52	97.94	116.26	-1,091.08	-8,542.19	8,981.18	8,866.33	114.85	78.199		
3,100.00	2,931.43	2,945.43	2,945.43	18.20	101.13	116.47	-1,091.08	-8,542.19	9,000.22	8,881.53	118.69	75.829		
3,200.00	3,023.07	3,037.07	3,037.07	18.89	104.33	116.68	-1,091.08	-8,542.19	9,019.41	8,896.88	122.53	73.609		
3,300.00	3,114.71	3,128.71	3,128.71	19.58	107.53	116.90	-1,091.08	-8,542.19	9,038.73	8,912.36	126.37	71.525		
3,400.00	3,206.35	3,220.35	3,220.35	20.27	110.73	117.11	-1,091.08	-8,542.19	9,058.18	8,927.97	130.21	69.565		
3,500.00	3,297.98	3,311.98	3,311.98	20.97	113.92	117.32	-1,091.08	-8,542.19	9,077.77	8,943.72	134.05	67.718		
3,600.00	3,389.62	3,403.62	3,403.62	21.66	117.12	117.53	-1,091.08	-8,542.19	9,097.50	8,959.60	137.89	65.975		
3,700.00	3,481.26	3,504.74	3,495.26	22.36	120.65	117.74	-1,091.08	-8,542.19	9,117.36	8,975.29	142.07	64.177		
3,800.00	3,572.89	3,586.89	3,586.89	23.05	123.52	117.94	-1,091.08	-8,542.19	9,137.35	8,991.77	145.58	62.767		
3,900.00	3,664.53	3,678.53	3,678.53	23.75	126.71	118.15	-1,091.08	-8,542.19	9,157.47	9,008.05	149.42	61.288		
4,000.00	3,756.17	3,770.17	3,770.17	24.45	129.91	118.36	-1,091.08	-8,542.19	9,177.72	9,024.46	153.26	59.884		
4,100.00	3,847.80	3,861.80	3,861.80	25.14	133.11	118.56	-1,091.08	-8,542.19	9,198.10	9,041.00	157.10	58.550		
4,200.00	3,939.44	3,953.44	3,953.44	25.84	136.31	118.77	-1,091.08	-8,542.19	9,218.61	9,057.67	160.94	57.281		
4,300.00	4,031.08	4,045.08	4,045.08	26.54	139.51	118.97	-1,091.08	-8,542.19	9,239.25	9,074.47	164.78	56.072		
4,400.00	4,122.72	4,136.72	4,136.72	27.24	142.71	119.17	-1,091.08	-8,542.19	9,260.01	9,091.40	168.61	54.918		
4,500.00	4,214.35	4,228.35	4,228.35	27.94	145.90	119.38	-1,091.08	-8,542.19	9,280.90	9,108.45	172.45	53.817		
4,600.00	4,305.99	4,319.99	4,319.99	28.64	149.10	119.58	-1,091.08	-8,542.19	9,301.92	9,125.63	176.29	52.765		
4,700.00	4,397.63	4,411.63	4,411.63	29.35	152.30	119.78	-1,091.08	-8,542.19	9,323.06	9,142.94	180.13	51.759		
4,800.00	4,489.26	4,503.26	4,503.26	30.05	155.50	119.98	-1,091.08	-8,542.19	9,344.33	9,160.37	183.96	50.795		
4,900.00	4,580.90	4,605.10	4,594.90	30.75	159.05	120.18	-1,091.08	-8,542.19	9,365.72	9,177.56	188.15	49.777		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,686.54	4,686.54	31.45	161.90	120.37	-1,091.08	-8,542.19	9,387.22	9,195.59	191.63	48.986		
5,100.00	4,764.17	4,778.17	4,778.17	32.16	165.09	120.57	-1,091.08	-8,542.19	9,408.86	9,213.39	195.47	48.136		
5,200.00	4,855.81	4,869.81	4,869.81	32.86	168.29	120.77	-1,091.08	-8,542.19	9,430.61	9,231.31	199.30	47.319		
5,300.00	4,947.45	4,961.45	4,961.45	33.56	171.49	120.96	-1,091.08	-8,542.19	9,452.48	9,249.35	203.13	46.534		
5,400.00	5,039.08	5,053.08	5,053.08	34.27	174.69	121.16	-1,091.08	-8,542.19	9,474.47	9,267.51	206.96	45.779		
5,500.00	5,130.72	5,144.72	5,144.72	34.97	177.89	121.35	-1,091.08	-8,542.19	9,496.57	9,285.78	210.79	45.052		
5,600.00	5,222.36	5,236.36	5,236.36	35.68	181.09	121.55	-1,091.08	-8,542.19	9,518.80	9,304.18	214.62	44.352		
5,700.00	5,314.00	5,328.00	5,328.00	36.38	184.28	121.74	-1,091.08	-8,542.19	9,541.14	9,322.69	218.45	43.676		
5,800.00	5,405.63	5,419.63	5,419.63	37.08	187.48	121.93	-1,091.08	-8,542.19	9,563.60	9,341.32	222.28	43.025		
5,900.00	5,497.27	5,511.27	5,511.27	37.79	190.68	122.12	-1,091.08	-8,542.19	9,586.17	9,360.06	226.11	42.397		
6,000.00	5,588.91	5,602.91	5,602.91	38.50	193.88	122.31	-1,091.08	-8,542.19	9,608.85	9,378.92	229.93	41.790		
6,100.00	5,680.54	5,705.46	5,694.54	39.20	197.46	122.50	-1,091.08	-8,542.19	9,631.65	9,397.51	234.14	41.137		
6,200.00	5,772.18	5,786.18	5,786.18	39.91	200.28	122.69	-1,091.08	-8,542.19	9,654.56	9,416.98	237.58	40.637		
6,300.00	5,863.82	5,877.82	5,877.82	40.61	203.48	122.88	-1,091.08	-8,542.19	9,677.58	9,436.17	241.40	40.089		
6,400.00	5,955.45	5,969.45	5,969.45	41.32	206.67	123.07	-1,091.08	-8,542.19	9,700.71	9,455.48	245.23	39.558		
6,500.00	6,047.09	6,061.09	6,061.09	42.02	209.87	123.25	-1,091.08	-8,542.19	9,723.95	9,474.90	249.05	39.044		
6,600.00	6,138.73	6,152.73	6,152.73	42.73	213.07	123.44	-1,091.08	-8,542.19	9,747.30	9,494.43	252.87	38.547		
6,700.00	6,230.37	6,244.37	6,244.37	43.44	216.27	123.62	-1,091.08	-8,542.19	9,770.76	9,514.07	256.69	38.064		
6,712.03	6,241.39	6,255.39	6,255.39	43.52	216.66	123.64	-1,091.08	-8,542.19	9,773.59	9,516.44	257.15	38.007		
6,750.00	6,276.38	6,309.62	6,290.38	43.78	218.55	116.31	-1,091.08	-8,542.19	9,781.43	9,522.15	259.27	37.726		
6,800.00	6,322.91	6,336.91	6,336.91	44.09	219.50	105.35	-1,091.08	-8,542.19	9,788.39	9,527.87	260.51	37.574		
6,850.00	6,369.70	6,383.70	6,383.70	44.36	221.13	93.55	-1,091.08	-8,542.19	9,791.48	9,529.07	262.41	37.314		
6,900.00	6,416.45	6,430.45	6,430.45	44.59	222.77	81.90	-1,091.08	-8,542.19	9,790.70	9,526.43	264.27	37.047		
6,950.00	6,462.87	6,476.87	6,476.87	44.79	224.39	71.39	-1,091.08	-8,542.19	9,786.05	9,519.96	266.09	36.777		
7,000.00	6,508.69	6,522.69	6,522.69	44.95	225.99	62.51	-1,091.08	-8,542.19	9,777.56	9,509.71	267.85	36.504		
7,050.00	6,553.61	6,567.61	6,567.61	45.09	227.55	55.33	-1,091.08	-8,542.19	9,765.28	9,495.73	269.54	36.229		
7,100.00	6,597.37	6,611.37	6,611.37	45.20	229.08	49.66	-1,091.08	-8,542.19	9,749.29	9,478.12	271.16	35.954		
7,150.00	6,639.68	6,653.68	6,653.68	45.30	230.56	45.24	-1,091.08	-8,542.19	9,729.68	9,456.98	272.70	35.679		
7,200.00	6,680.29	6,705.71	6,694.29	45.39	232.37	41.83	-1,091.08	-8,542.19	9,706.58	9,432.03	274.55	35.355		
7,250.00	6,718.96	6,732.96	6,732.96	45.48	233.33	39.23	-1,091.08	-8,542.19	9,680.12	9,404.62	275.50	35.136		
7,300.00	6,755.43	6,769.43	6,769.43	45.57	234.60	37.29	-1,091.08	-8,542.19	9,650.48	9,373.71	276.77	34.869		
7,350.00	6,789.49	6,803.49	6,803.49	45.67	235.79	35.93	-1,091.08	-8,542.19	9,617.82	9,339.89	277.93	34.606		
7,400.00	6,820.93	6,834.93	6,834.93	45.77	236.88	35.08	-1,091.08	-8,542.19	9,582.34	9,303.36	278.98	34.347		
7,450.00	6,849.55	6,863.55	6,863.55	45.89	237.88	34.73	-1,091.08	-8,542.19	9,544.27	9,264.34	279.93	34.095		
7,500.00	6,875.17	6,889.17	6,889.17	46.02	238.78	34.91	-1,091.08	-8,542.19	9,503.83	9,223.06	280.77	33.849		
7,550.00	6,897.64	6,911.64	6,911.64	46.17	239.56	35.69	-1,091.08	-8,542.19	9,461.27	9,179.77	281.50	33.610		
7,600.00	6,916.82	6,930.82	6,930.82	46.35	240.23	37.24	-1,091.08	-8,542.19	9,416.85	9,134.74	282.11	33.380		
7,650.00	6,932.60	6,946.60	6,946.60	46.55	240.78	39.90	-1,091.08	-8,542.19	9,370.83	9,088.22	282.61	33.158		
7,700.00	6,944.86	6,958.86	6,958.86	46.78	241.21	44.36	-1,091.08	-8,542.19	9,323.50	9,040.51	282.99	32.946		
7,750.00	6,953.55	6,967.55	6,967.55	47.04	241.51	52.11	-1,091.08	-8,542.19	9,275.15	8,991.89	283.25	32.745		
7,800.00	6,958.59	6,972.59	6,972.59	47.33	241.69	66.62	-1,091.08	-8,542.19	9,226.06	8,942.66	283.40	32.555		
7,842.10	6,960.00	6,974.00	6,974.00	47.60	241.74	88.85	-1,091.08	-8,542.19	9,184.39	8,900.95	283.43	32.404		
7,900.00	6,960.15	6,974.15	6,974.15	48.01	241.74	88.86	-1,091.08	-8,542.19	9,126.94	8,843.52	283.42	32.203		
8,000.00	6,960.40	6,974.40	6,974.40	48.86	241.75	88.87	-1,091.08	-8,542.19	9,027.74	8,744.34	283.40	31.855		
8,100.00	6,960.65	6,974.65	6,974.65	49.87	241.76	88.89	-1,091.08	-8,542.19	8,928.56	8,645.17	283.39	31.507		
8,200.00	6,960.91	6,974.91	6,974.91	51.06	241.77	88.90	-1,091.08	-8,542.19	8,829.40	8,546.02	283.38	31.158		
8,300.00	6,961.16	6,975.16	6,975.16	52.41	241.78	88.91	-1,091.08	-8,542.19	8,730.26	8,446.89	283.37	30.809		
8,400.00	6,961.41	6,975.41	6,975.41	53.93	241.79	88.92	-1,091.08	-8,542.19	8,631.13	8,347.77	283.37	30.459		
8,500.00	6,961.66	6,975.66	6,975.66	55.59	241.80	88.94	-1,091.08	-8,542.19	8,532.03	8,248.66	283.37	30.109		
8,600.00	6,961.91	6,975.91	6,975.91	57.37	241.81	88.95	-1,091.08	-8,542.19	8,432.95	8,149.57	283.38	29.759		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - BLACKGOLD #3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,976.16	6,976.16	59.27	241.82	88.96	-1,091.08	-8,542.19	8,333.89	8,050.50	283.39	29.407		
8,800.00	6,962.42	6,976.42	6,976.42	61.26	241.82	88.97	-1,091.08	-8,542.19	8,234.85	7,951.44	283.41	29.056		
8,900.00	6,962.67	6,976.67	6,976.67	63.34	241.83	88.99	-1,091.08	-8,542.19	8,135.84	7,852.40	283.44	28.704		
9,000.00	6,962.92	6,976.92	6,976.92	65.49	241.84	89.00	-1,091.08	-8,542.19	8,036.85	7,753.38	283.48	28.351		
9,100.00	6,963.17	6,977.17	6,977.17	67.70	241.85	89.01	-1,091.08	-8,542.19	7,937.89	7,654.37	283.52	27.998		
9,200.00	6,963.42	6,977.42	6,977.42	69.97	241.86	89.02	-1,091.08	-8,542.19	7,838.95	7,555.39	283.57	27.644		
9,300.00	6,963.68	6,977.68	6,977.68	72.28	241.87	89.04	-1,091.08	-8,542.19	7,740.04	7,456.42	283.62	27.290		
9,400.00	6,963.93	6,977.93	6,977.93	74.64	241.88	89.05	-1,091.08	-8,542.19	7,641.16	7,357.47	283.69	26.935		
9,500.00	6,964.18	6,978.18	6,978.18	77.04	241.89	89.06	-1,091.08	-8,542.19	7,542.31	7,258.54	283.76	26.579		
9,600.00	6,964.43	6,978.43	6,978.43	79.48	241.89	89.07	-1,091.08	-8,542.19	7,443.49	7,159.64	283.85	26.223		
9,700.00	6,964.68	6,978.68	6,978.68	81.94	241.90	89.09	-1,091.08	-8,542.19	7,344.70	7,060.75	283.95	25.866		
9,800.00	6,964.94	6,978.94	6,978.94	84.43	241.91	89.10	-1,091.08	-8,542.19	7,245.94	6,961.89	284.05	25.509		
9,900.00	6,965.19	6,979.19	6,979.19	86.95	241.92	89.11	-1,091.08	-8,542.19	7,147.22	6,863.05	284.17	25.151		
10,000.00	6,965.44	6,979.44	6,979.44	89.49	241.93	89.13	-1,091.08	-8,542.19	7,048.54	6,764.23	284.31	24.792		
10,100.00	6,965.69	6,979.69	6,979.69	92.05	241.94	89.14	-1,091.08	-8,542.19	6,949.89	6,665.44	284.45	24.433		
10,200.00	6,965.94	6,979.94	6,979.94	94.63	241.95	89.15	-1,091.08	-8,542.19	6,851.28	6,566.67	284.61	24.072		
10,300.00	6,966.19	6,980.19	6,980.19	97.22	241.96	89.16	-1,091.08	-8,542.19	6,752.71	6,467.93	284.79	23.712		
10,400.00	6,966.45	6,980.45	6,980.45	99.83	241.96	89.18	-1,091.08	-8,542.19	6,654.19	6,369.21	284.98	23.350		
10,500.00	6,966.70	6,980.70	6,980.70	102.46	241.97	89.19	-1,091.08	-8,542.19	6,555.71	6,270.52	285.19	22.987		
10,600.00	6,966.95	6,980.95	6,980.95	105.09	241.98	89.20	-1,091.08	-8,542.19	6,457.27	6,171.86	285.41	22.624		
10,700.00	6,967.20	6,981.20	6,981.20	107.74	241.99	89.21	-1,091.08	-8,542.19	6,358.89	6,073.23	285.66	22.260		
10,800.00	6,967.45	6,981.45	6,981.45	110.41	242.00	89.23	-1,091.08	-8,542.19	6,260.56	5,974.63	285.93	21.895		
10,900.00	6,967.71	6,981.71	6,981.71	113.08	242.01	89.24	-1,091.08	-8,542.19	6,162.28	5,876.06	286.22	21.530		
11,000.00	6,967.96	6,981.96	6,981.96	115.76	242.02	89.25	-1,091.08	-8,542.19	6,064.05	5,777.52	286.53	21.163		
11,100.00	6,968.21	6,982.21	6,982.21	118.45	242.03	89.26	-1,091.08	-8,542.19	5,965.89	5,679.01	286.87	20.796		
11,200.00	6,968.46	6,982.46	6,982.46	121.15	242.03	89.28	-1,091.08	-8,542.19	5,867.79	5,580.55	287.24	20.428		
11,300.00	6,968.71	6,982.71	6,982.71	123.85	242.04	89.29	-1,091.08	-8,542.19	5,769.75	5,482.11	287.63	20.059		
11,400.00	6,968.97	6,982.97	6,982.97	126.56	242.05	89.30	-1,091.08	-8,542.19	5,671.78	5,383.72	288.06	19.690		
11,500.00	6,969.22	6,983.22	6,983.22	129.28	242.06	89.31	-1,091.08	-8,542.19	5,573.88	5,285.37	288.52	19.319		
11,600.00	6,969.47	6,983.47	6,983.47	132.01	242.07	89.33	-1,091.08	-8,542.19	5,476.06	5,187.05	289.01	18.948		
11,700.00	6,969.72	6,983.72	6,983.72	134.74	242.08	89.34	-1,091.08	-8,542.19	5,378.32	5,088.78	289.54	18.576		
11,800.00	6,969.97	6,983.97	6,983.97	137.48	242.09	89.35	-1,091.08	-8,542.19	5,280.67	4,990.56	290.11	18.203		
11,900.00	6,970.22	6,984.22	6,984.22	140.22	242.10	89.36	-1,091.08	-8,542.19	5,183.10	4,892.38	290.71	17.829		
12,000.00	6,970.48	6,984.48	6,984.48	142.97	242.11	89.38	-1,091.08	-8,542.19	5,085.63	4,794.26	291.37	17.454		
12,100.00	6,970.73	6,984.73	6,984.73	145.72	242.11	89.39	-1,091.08	-8,542.19	4,988.25	4,696.18	292.07	17.079		
12,200.00	6,970.98	6,984.98	6,984.98	148.47	242.12	89.40	-1,091.08	-8,542.19	4,890.99	4,598.17	292.82	16.703		
12,300.00	6,971.23	6,985.23	6,985.23	151.23	242.13	89.41	-1,091.08	-8,542.19	4,793.83	4,500.21	293.63	16.326		
12,400.00	6,971.48	6,985.48	6,985.48	154.00	242.14	89.43	-1,091.08	-8,542.19	4,696.80	4,402.31	294.49	15.949		
12,500.00	6,971.74	6,985.74	6,985.74	156.76	242.15	89.44	-1,091.08	-8,542.19	4,599.89	4,304.48	295.41	15.571		
12,600.00	6,971.99	6,985.99	6,985.99	159.53	242.16	89.45	-1,091.08	-8,542.19	4,503.12	4,206.72	296.40	15.193		
12,700.00	6,972.24	6,986.24	6,986.24	162.31	242.17	89.46	-1,091.08	-8,542.19	4,406.49	4,109.04	297.45	14.814		
12,800.00	6,972.49	6,986.49	6,986.49	165.09	242.18	89.48	-1,091.08	-8,542.19	4,310.02	4,011.43	298.58	14.435		
12,900.00	6,972.74	6,986.74	6,986.74	167.86	242.18	89.49	-1,091.08	-8,542.19	4,213.71	3,913.92	299.79	14.055		
13,002.01	6,973.00	6,987.00	6,987.00	170.70	242.19	89.50	-1,091.08	-8,542.19	4,115.64	3,814.53	301.11	13.668	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	26.00	26.00	3.28	3.31	-79.19	1,608.76	-8,425.86	8,578.06					
100.00	100.00	126.00	126.00	3.28	4.22	-79.19	1,608.76	-8,425.86	8,578.06	8,570.56	7.50	1,143.220		
200.00	200.00	226.00	226.00	3.34	6.96	-79.19	1,608.76	-8,425.86	8,578.06	8,567.76	10.30	832.669		
300.00	300.00	326.00	326.00	3.44	10.18	-79.19	1,608.76	-8,425.86	8,578.06	8,564.44	13.62	629.672		
400.00	399.98	425.98	425.98	3.60	13.53	131.40	1,608.76	-8,425.86	8,579.22	8,562.09	17.13	500.974		
500.00	499.84	525.84	525.84	3.79	16.93	131.38	1,608.76	-8,425.86	8,582.68	8,561.96	20.72	414.242		
600.00	599.45	625.45	625.45	4.02	20.36	131.33	1,608.76	-8,425.86	8,588.45	8,564.08	24.37	352.352		
700.00	698.70	724.70	724.70	4.29	23.78	131.27	1,608.76	-8,425.86	8,596.53	8,568.46	28.07	306.241		
800.00	797.47	823.47	823.47	4.60	27.20	131.19	1,608.76	-8,425.86	8,606.91	8,575.12	31.79	270.705		
900.00	895.62	921.62	921.62	4.94	30.60	131.09	1,608.76	-8,425.86	8,619.60	8,584.06	35.53	242.571		
1,000.00	993.06	1,019.06	1,019.06	5.31	33.99	130.98	1,608.76	-8,425.86	8,634.58	8,595.30	39.28	219.807		
1,100.00	1,089.64	1,115.64	1,115.64	5.72	37.35	130.84	1,608.76	-8,425.86	8,651.87	8,608.83	43.03	201.053		
1,200.00	1,185.27	1,211.27	1,211.27	6.17	40.67	130.68	1,608.76	-8,425.86	8,671.44	8,624.66	46.78	185.370		
1,300.00	1,279.82	1,305.82	1,305.82	6.65	43.96	130.50	1,608.76	-8,425.86	8,693.30	8,642.79	50.52	172.087		
1,400.00	1,373.17	1,400.83	1,399.17	7.17	47.27	130.29	1,608.76	-8,425.86	8,717.44	8,663.14	54.30	160.542		
1,479.95	1,446.87	1,472.87	1,472.87	7.61	49.78	130.11	1,608.76	-8,425.86	8,738.38	8,681.17	57.21	152.745		
1,500.00	1,465.24	1,508.76	1,491.24	7.72	51.03	130.15	1,608.76	-8,425.86	8,743.81	8,685.25	58.56	149.307		
1,600.00	1,556.88	1,582.88	1,582.88	8.31	53.61	130.34	1,608.76	-8,425.86	8,770.97	8,709.31	61.66	142.243		
1,700.00	1,648.52	1,674.52	1,674.52	8.92	56.81	130.52	1,608.76	-8,425.86	8,798.23	8,732.85	65.39	134.558		
1,800.00	1,740.15	1,766.15	1,766.15	9.54	60.00	130.71	1,608.76	-8,425.86	8,825.59	8,756.47	69.12	127.680		
1,900.00	1,831.79	1,857.79	1,857.79	10.17	63.20	130.90	1,608.76	-8,425.86	8,853.04	8,780.17	72.87	121.492		
2,000.00	1,923.43	1,949.43	1,949.43	10.81	66.39	131.09	1,608.76	-8,425.86	8,880.59	8,803.97	76.62	115.898		
2,100.00	2,015.06	2,041.06	2,041.06	11.46	69.59	131.27	1,608.76	-8,425.86	8,908.23	8,827.85	80.39	110.819		
2,200.00	2,106.70	2,132.70	2,132.70	12.11	72.78	131.46	1,608.76	-8,425.86	8,935.97	8,851.82	84.15	106.188		
2,300.00	2,198.34	2,224.34	2,224.34	12.78	75.98	131.64	1,608.76	-8,425.86	8,963.80	8,875.88	87.92	101.950		
2,400.00	2,289.98	2,315.98	2,315.98	13.44	79.17	131.82	1,608.76	-8,425.86	8,991.72	8,900.02	91.70	98.057		
2,500.00	2,381.61	2,407.61	2,407.61	14.11	82.37	132.00	1,608.76	-8,425.86	9,019.73	8,924.26	95.48	94.470		
2,600.00	2,473.25	2,500.75	2,499.25	14.79	85.62	132.18	1,608.76	-8,425.86	9,047.84	8,948.53	99.31	91.107		
2,700.00	2,564.89	2,609.11	2,590.89	15.47	89.40	132.36	1,608.76	-8,425.86	9,076.03	8,972.36	103.68	87.542		
2,800.00	2,656.52	2,682.52	2,682.52	16.15	91.96	132.54	1,608.76	-8,425.86	9,104.31	8,997.49	106.82	85.227		
2,900.00	2,748.16	2,774.16	2,774.16	16.83	95.16	132.71	1,608.76	-8,425.86	9,132.68	9,022.07	110.61	82.566		
3,000.00	2,839.80	2,865.80	2,865.80	17.52	98.35	132.89	1,608.76	-8,425.86	9,161.14	9,046.74	114.40	80.081		
3,100.00	2,931.43	2,957.43	2,957.43	18.20	101.55	133.07	1,608.76	-8,425.86	9,189.68	9,071.50	118.19	77.756		
3,200.00	3,023.07	3,049.07	3,049.07	18.89	104.75	133.24	1,608.76	-8,425.86	9,218.31	9,096.34	121.97	75.576		
3,300.00	3,114.71	3,140.71	3,140.71	19.58	107.95	133.41	1,608.76	-8,425.86	9,247.03	9,121.26	125.76	73.527		
3,400.00	3,206.35	3,232.35	3,232.35	20.27	111.14	133.58	1,608.76	-8,425.86	9,275.82	9,146.27	129.55	71.599		
3,500.00	3,297.98	3,323.98	3,323.98	20.97	114.34	133.76	1,608.76	-8,425.86	9,304.70	9,171.36	133.34	69.780		
3,600.00	3,389.62	3,415.62	3,415.62	21.66	117.54	133.93	1,608.76	-8,425.86	9,333.67	9,196.53	137.13	68.063		
3,700.00	3,481.26	3,507.26	3,507.26	22.36	120.74	134.09	1,608.76	-8,425.86	9,362.71	9,221.79	140.92	66.439		
3,800.00	3,572.89	3,601.11	3,598.89	23.05	124.01	134.26	1,608.76	-8,425.86	9,391.84	9,247.05	144.79	64.865		
3,900.00	3,664.53	3,709.47	3,690.53	23.75	127.79	134.43	1,608.76	-8,425.86	9,421.04	9,271.88	149.16	63.159		
4,000.00	3,756.17	3,782.17	3,782.17	24.45	130.33	134.60	1,608.76	-8,425.86	9,450.33	9,298.03	152.29	62.054		
4,100.00	3,847.80	3,873.80	3,873.80	25.14	133.53	134.76	1,608.76	-8,425.86	9,479.69	9,323.61	156.08	60.736		
4,200.00	3,939.44	3,965.44	3,965.44	25.84	136.73	134.92	1,608.76	-8,425.86	9,509.13	9,349.26	159.87	59.480		
4,300.00	4,031.08	4,057.08	4,057.08	26.54	139.93	135.09	1,608.76	-8,425.86	9,538.65	9,374.99	163.66	58.284		
4,400.00	4,122.72	4,148.72	4,148.72	27.24	143.12	135.25	1,608.76	-8,425.86	9,568.24	9,400.80	167.45	57.142		
4,500.00	4,214.35	4,240.35	4,240.35	27.94	146.32	135.41	1,608.76	-8,425.86	9,597.91	9,426.68	171.24	56.051		
4,600.00	4,305.99	4,331.99	4,331.99	28.64	149.52	135.57	1,608.76	-8,425.86	9,627.66	9,452.64	175.02	55.008		
4,700.00	4,397.63	4,423.63	4,423.63	29.35	152.72	135.73	1,608.76	-8,425.86	9,657.48	9,478.67	178.81	54.010		
4,800.00	4,489.26	4,515.26	4,515.26	30.05	155.92	135.89	1,608.76	-8,425.86	9,687.37	9,504.78	182.60	53.054		
4,900.00	4,580.90	4,606.90	4,606.90	30.75	159.12	136.05	1,608.76	-8,425.86	9,717.34	9,530.96	186.38	52.137		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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					
5,000.00	4,672.54	4,701.46	4,698.54	31.45	162.42	136.21	1,608.76	-8,425.86	9,747.38	9,557.11	190.27	51.229					
5,100.00	4,764.17	4,809.83	4,790.17	32.16	166.20	136.36	1,608.76	-8,425.86	9,777.49	9,582.85	194.64	50.234					
5,200.00	4,855.81	4,881.81	4,881.81	32.86	168.71	136.52	1,608.76	-8,425.86	9,807.67	9,609.93	197.74	49.600					
5,300.00	4,947.45	4,973.45	4,973.45	33.56	171.91	136.67	1,608.76	-8,425.86	9,837.92	9,636.40	201.52	48.819					
5,400.00	5,039.08	5,065.08	5,065.08	34.27	175.11	136.82	1,608.76	-8,425.86	9,868.24	9,662.94	205.30	48.067					
5,500.00	5,130.72	5,156.72	5,156.72	34.97	178.31	136.98	1,608.76	-8,425.86	9,898.63	9,689.55	209.09	47.342					
5,600.00	5,222.36	5,248.36	5,248.36	35.68	181.50	137.13	1,608.76	-8,425.86	9,929.09	9,716.22	212.87	46.644					
5,700.00	5,314.00	5,340.00	5,340.00	36.38	184.70	137.28	1,608.76	-8,425.86	9,959.62	9,742.97	216.65	45.971					
5,800.00	5,405.63	5,431.63	5,431.63	37.08	187.90	137.43	1,608.76	-8,425.86	9,990.21	9,769.78	220.43	45.321					
7,650.00	6,932.60	6,958.60	6,958.60	46.55	241.20	63.04	1,608.76	-8,425.86	9,964.76	9,684.41	280.36	35.543					
7,700.00	6,944.86	6,970.86	6,970.86	46.78	241.63	67.92	1,608.76	-8,425.86	9,922.02	9,641.26	280.76	35.340					
7,750.00	6,953.55	6,979.55	6,979.55	47.04	241.93	74.15	1,608.76	-8,425.86	9,877.99	9,596.94	281.05	35.146					
7,800.00	6,958.59	6,984.59	6,984.59	47.33	242.11	81.91	1,608.76	-8,425.86	9,832.96	9,551.72	281.24	34.963					
7,842.10	6,960.00	6,986.00	6,986.00	47.60	242.16	89.66	1,608.76	-8,425.86	9,794.45	9,513.14	281.31	34.817					
7,900.00	6,960.15	6,986.15	6,986.15	48.01	242.16	89.66	1,608.76	-8,425.86	9,741.23	9,459.87	281.36	34.622					
8,000.00	6,960.40	6,986.40	6,986.40	48.86	242.17	89.67	1,608.76	-8,425.86	9,649.44	9,367.97	281.47	34.282					
8,100.00	6,960.65	6,986.65	6,986.65	49.87	242.18	89.67	1,608.76	-8,425.86	9,557.82	9,276.19	281.63	33.938					
8,200.00	6,960.91	6,986.91	6,986.91	51.06	242.19	89.68	1,608.76	-8,425.86	9,466.36	9,184.53	281.83	33.589					
8,300.00	6,961.16	6,987.16	6,987.16	52.41	242.20	89.68	1,608.76	-8,425.86	9,375.08	9,093.01	282.07	33.236					
8,400.00	6,961.41	6,987.41	6,987.41	53.93	242.21	89.68	1,608.76	-8,425.86	9,283.98	9,001.61	282.37	32.879					
8,500.00	6,961.66	6,987.66	6,987.66	55.59	242.22	89.69	1,608.76	-8,425.86	9,193.06	8,910.36	282.71	32.518					
8,600.00	6,961.91	6,987.91	6,987.91	57.37	242.23	89.69	1,608.76	-8,425.86	9,102.34	8,819.24	283.10	32.153					
8,700.00	6,962.16	6,988.16	6,988.16	59.27	242.23	89.69	1,608.76	-8,425.86	9,011.81	8,728.27	283.54	31.783					
8,800.00	6,962.42	6,988.42	6,988.42	61.26	242.24	89.70	1,608.76	-8,425.86	8,921.48	8,637.45	284.04	31.410					
8,900.00	6,962.67	6,988.67	6,988.67	63.34	242.25	89.70	1,608.76	-8,425.86	8,831.36	8,546.78	284.59	31.032					
9,000.00	6,962.92	6,988.92	6,988.92	65.49	242.26	89.71	1,608.76	-8,425.86	8,741.46	8,456.27	285.19	30.651					
9,100.00	6,963.17	6,989.17	6,989.17	67.70	242.27	89.71	1,608.76	-8,425.86	8,651.78	8,365.92	285.86	30.266					
9,200.00	6,963.42	6,989.42	6,989.42	69.97	242.28	89.71	1,608.76	-8,425.86	8,562.33	8,275.75	286.58	29.878					
9,300.00	6,963.68	6,989.68	6,989.68	72.28	242.29	89.72	1,608.76	-8,425.86	8,473.11	8,185.75	287.36	29.486					
9,400.00	6,963.93	6,989.93	6,989.93	74.64	242.30	89.72	1,608.76	-8,425.86	8,384.14	8,095.94	288.19	29.092					
9,500.00	6,964.18	7,009.82	6,990.18	77.04	242.99	89.72	1,608.76	-8,425.86	8,295.41	8,005.63	289.78	28.627					
9,600.00	6,964.43	7,009.57	6,990.43	79.48	242.98	89.73	1,608.76	-8,425.86	8,206.95	7,916.23	290.72	28.230					
9,700.00	6,964.68	7,009.32	6,990.68	81.94	242.97	89.73	1,608.76	-8,425.86	8,118.75	7,827.03	291.73	27.830					
9,800.00	6,964.94	7,009.07	6,990.94	84.43	242.96	89.74	1,608.76	-8,425.86	8,030.83	7,738.04	292.79	27.429					
9,900.00	6,965.19	7,008.81	6,991.19	86.95	242.95	89.74	1,608.76	-8,425.86	7,943.20	7,649.28	293.92	27.025					
10,000.00	6,965.44	7,008.56	6,991.44	89.49	242.95	89.74	1,608.76	-8,425.86	7,855.86	7,560.75	295.11	26.620					
10,100.00	6,965.69	7,008.31	6,991.69	92.05	242.94	89.75	1,608.76	-8,425.86	7,768.83	7,472.46	296.37	26.214					
10,200.00	6,965.94	7,008.06	6,991.94	94.63	242.93	89.75	1,608.76	-8,425.86	7,682.11	7,384.43	297.68	25.806					
10,300.00	6,966.19	7,007.81	6,992.19	97.22	242.92	89.75	1,608.76	-8,425.86	7,595.72	7,296.66	299.07	25.398					
10,400.00	6,966.45	7,007.55	6,992.45	99.83	242.91	89.76	1,608.76	-8,425.86	7,509.67	7,209.16	300.52	24.989					
10,500.00	6,966.70	7,007.30	6,992.70	102.46	242.90	89.76	1,608.76	-8,425.86	7,423.97	7,121.94	302.03	24.580					
10,600.00	6,966.95	7,007.05	6,992.95	105.09	242.89	89.77	1,608.76	-8,425.86	7,338.63	7,035.02	303.61	24.172					
10,700.00	6,967.20	7,006.80	6,993.20	107.74	242.88	89.77	1,608.76	-8,425.86	7,253.66	6,948.41	305.25	23.763					
10,800.00	6,967.45	7,006.55	6,993.45	110.41	242.88	89.77	1,608.76	-8,425.86	7,169.08	6,862.12	306.96	23.355					
10,900.00	6,967.71	7,006.29	6,993.71	113.08	242.87	89.78	1,608.76	-8,425.86	7,084.90	6,776.16	308.74	22.948					
11,000.00	6,967.96	7,006.04	6,993.96	115.76	242.86	89.78	1,608.76	-8,425.86	7,001.14	6,690.56	310.59	22.542					
11,100.00	6,968.21	7,005.79	6,994.21	118.45	242.85	89.78	1,608.76	-8,425.86	6,917.81	6,605.31	312.50	22.137					
11,200.00	6,968.46	7,005.54	6,994.46	121.15	242.84	89.79	1,608.76	-8,425.86	6,834.93	6,520.45	314.48	21.734					
11,300.00	6,968.71	7,005.29	6,994.71	123.85	242.83	89.79	1,608.76	-8,425.86	6,752.51	6,435.98	316.54	21.332					
11,400.00	6,968.97	7,005.04	6,994.97	126.56	242.82	89.80	1,608.76	-8,425.86	6,670.58	6,351.92	318.66	20.933					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #10-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
11,500.00	6,969.22	7,004.78	6,995.22	129.28	242.81	89.80	1,608.76	-8,425.86	6,589.14	6,268.28	320.85	20.536		
11,600.00	6,969.47	7,004.53	6,995.47	132.01	242.81	89.80	1,608.76	-8,425.86	6,508.21	6,185.09	323.12	20.142		
11,700.00	6,969.72	7,004.28	6,995.72	134.74	242.80	89.81	1,608.76	-8,425.86	6,427.83	6,102.37	325.46	19.750		
11,800.00	6,969.97	7,004.03	6,995.97	137.48	242.79	89.81	1,608.76	-8,425.86	6,348.00	6,020.13	327.87	19.361		
11,900.00	6,970.22	7,003.78	6,996.22	140.22	242.78	89.81	1,608.76	-8,425.86	6,268.75	5,938.40	330.36	18.976		
12,000.00	6,970.48	7,003.52	6,996.48	142.97	242.77	89.82	1,608.76	-8,425.86	6,190.11	5,857.19	332.92	18.593		
12,100.00	6,970.73	7,003.27	6,996.73	145.72	242.76	89.82	1,608.76	-8,425.86	6,112.08	5,776.53	335.56	18.215		
12,200.00	6,970.98	7,003.02	6,996.98	148.47	242.75	89.83	1,608.76	-8,425.86	6,034.71	5,696.44	338.27	17.840		
12,300.00	6,971.23	7,002.77	6,997.23	151.23	242.74	89.83	1,608.76	-8,425.86	5,958.01	5,616.95	341.06	17.469		
12,400.00	6,971.48	7,002.52	6,997.48	154.00	242.73	89.83	1,608.76	-8,425.86	5,882.01	5,538.08	343.93	17.102		
12,500.00	6,971.74	7,002.26	6,997.74	156.76	242.73	89.84	1,608.76	-8,425.86	5,806.73	5,459.85	346.88	16.740		
12,600.00	6,971.99	7,002.01	6,997.99	159.53	242.72	89.84	1,608.76	-8,425.86	5,732.21	5,382.31	349.91	16.382		
12,700.00	6,972.24	7,001.76	6,998.24	162.31	242.71	89.84	1,608.76	-8,425.86	5,658.48	5,305.47	353.01	16.029		
12,800.00	6,972.49	7,001.51	6,998.49	165.09	242.70	89.85	1,608.76	-8,425.86	5,585.57	5,229.36	356.20	15.681		
12,900.00	6,972.74	7,001.26	6,998.74	167.86	242.69	89.85	1,608.76	-8,425.86	5,513.50	5,154.03	359.47	15.338		
13,002.01	6,973.00	7,001.00	6,999.00	170.70	242.68	89.86	1,608.76	-8,425.86	5,440.90	5,078.00	362.89	14.993 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-166.66	-2,606.24	-618.00	2,678.52					
100.00	100.00	83.64	83.64	3.28	3.28	-166.66	-2,606.35	-618.01	2,678.63	2,672.06	6.57	407.729		
200.00	200.00	188.57	188.57	3.34	3.33	-166.66	-2,606.61	-617.92	2,678.86	2,672.19	6.67	401.608		
300.00	300.00	282.68	282.68	3.44	3.43	-166.67	-2,606.82	-617.76	2,679.03	2,672.16	6.87	389.793		
400.00	399.98	382.08	382.07	3.60	3.58	43.97	-2,607.15	-617.85	2,678.12	2,670.95	7.17	373.442		
500.00	499.84	484.55	484.55	3.79	3.77	44.10	-2,607.41	-618.03	2,674.64	2,667.08	7.56	353.821		
600.00	599.45	583.21	583.21	4.02	4.00	44.32	-2,607.64	-618.12	2,668.63	2,660.61	8.02	332.810		
700.00	698.70	693.63	693.63	4.29	4.28	44.64	-2,607.77	-618.04	2,660.00	2,651.43	8.58	310.175		
800.00	797.47	784.94	784.94	4.60	4.55	45.01	-2,607.75	-618.01	2,648.81	2,639.67	9.14	289.849		
900.00	895.62	879.67	879.66	4.94	4.83	45.49	-2,607.90	-618.22	2,635.47	2,625.71	9.76	270.013		
1,000.00	993.06	992.15	992.15	5.31	5.20	46.12	-2,607.94	-618.26	2,619.62	2,609.14	10.48	249.882		
1,100.00	1,089.64	1,079.88	1,079.88	5.72	5.49	46.76	-2,607.80	-618.19	2,601.29	2,590.12	11.17	232.970		
1,200.00	1,185.27	1,173.05	1,173.04	6.17	5.82	47.52	-2,607.89	-618.26	2,581.04	2,569.14	11.90	216.817		
1,300.00	1,279.82	1,265.94	1,265.93	6.65	6.15	48.37	-2,608.02	-618.29	2,558.71	2,546.04	12.68	201.820		
1,400.00	1,373.17	1,360.35	1,360.35	7.17	6.50	49.34	-2,608.22	-618.27	2,534.42	2,520.92	13.49	187.831		
1,479.95	1,446.87	1,435.15	1,435.14	7.61	6.77	50.18	-2,608.34	-618.18	2,513.56	2,499.39	14.17	177.408		
1,500.00	1,465.24	1,453.43	1,453.42	7.72	6.84	50.32	-2,608.37	-618.16	2,508.19	2,493.85	14.34	174.908		
1,600.00	1,556.88	1,546.02	1,546.01	8.31	7.19	51.00	-2,608.49	-618.09	2,481.60	2,466.40	15.21	163.179		
1,700.00	1,648.52	1,637.97	1,637.96	8.92	7.55	51.68	-2,608.62	-617.83	2,455.32	2,439.22	16.10	152.534		
1,800.00	1,740.15	1,728.30	1,728.29	9.54	7.90	52.37	-2,608.70	-617.92	2,429.47	2,412.47	17.00	142.901		
1,900.00	1,831.79	1,823.55	1,823.54	10.17	8.27	53.12	-2,608.80	-617.81	2,403.97	2,386.03	17.94	133.995		
2,000.00	1,923.43	1,918.15	1,918.14	10.81	8.64	53.87	-2,608.65	-617.76	2,378.65	2,359.76	18.89	125.895		
2,100.00	2,015.06	1,997.77	1,997.76	11.46	8.95	54.52	-2,608.68	-617.92	2,353.99	2,334.18	19.81	118.822		
2,200.00	2,106.70	2,090.27	2,090.26	12.11	9.32	55.29	-2,608.88	-618.27	2,329.98	2,309.19	20.79	112.082		
2,300.00	2,198.34	2,189.98	2,189.97	12.78	9.72	56.14	-2,608.88	-618.66	2,306.24	2,284.44	21.80	105.782		
2,400.00	2,289.98	2,283.17	2,283.16	13.44	10.10	56.94	-2,608.69	-618.94	2,282.75	2,259.94	22.80	100.103		
2,500.00	2,381.61	2,381.43	2,381.42	14.11	10.49	57.81	-2,608.42	-619.00	2,259.59	2,235.76	23.83	94.807		
2,600.00	2,473.25	2,474.07	2,474.06	14.79	10.87	58.63	-2,608.07	-618.78	2,236.71	2,211.86	24.85	89.994		
2,700.00	2,564.89	2,565.98	2,565.97	15.47	11.24	59.46	-2,607.72	-618.58	2,214.33	2,188.45	25.88	85.554		
2,800.00	2,656.52	2,656.08	2,656.07	16.15	11.61	60.29	-2,607.37	-618.38	2,192.46	2,165.55	26.91	81.461		
2,900.00	2,748.16	2,743.54	2,743.53	16.83	11.97	61.11	-2,607.25	-618.02	2,171.23	2,143.28	27.95	77.692		
3,000.00	2,839.80	2,832.43	2,832.42	17.52	12.34	61.95	-2,607.28	-617.81	2,150.74	2,121.74	28.99	74.183		
3,100.00	2,931.43	2,926.18	2,926.17	18.20	12.72	62.86	-2,607.08	-617.89	2,130.76	2,100.70	30.06	70.877		
3,200.00	3,023.07	3,017.39	3,017.38	18.89	13.10	63.77	-2,606.79	-618.05	2,111.32	2,080.19	31.13	67.817		
3,300.00	3,114.71	3,104.74	3,104.73	19.58	13.46	64.64	-2,606.73	-618.06	2,092.59	2,060.39	32.20	64.993		
3,400.00	3,206.35	3,191.50	3,191.49	20.27	13.82	65.52	-2,606.86	-618.13	2,074.66	2,041.39	33.27	62.364		
3,500.00	3,297.98	3,282.85	3,282.84	20.97	14.20	66.46	-2,607.11	-618.25	2,057.48	2,023.12	34.36	59.883		
3,600.00	3,389.62	3,373.91	3,373.90	21.66	14.58	67.41	-2,607.53	-618.14	2,040.94	2,005.48	35.45	57.565		
3,700.00	3,481.26	3,463.76	3,463.74	22.36	14.95	68.35	-2,607.97	-618.08	2,025.09	1,988.54	36.55	55.403		
3,800.00	3,572.89	3,552.77	3,552.75	23.05	15.33	69.29	-2,608.52	-618.06	2,010.02	1,972.37	37.65	53.384		
3,900.00	3,664.53	3,642.31	3,642.29	23.75	15.70	70.26	-2,609.19	-618.10	1,995.75	1,956.99	38.76	51.492		
4,000.00	3,756.17	3,733.96	3,733.94	24.45	16.08	71.25	-2,609.94	-618.18	1,982.22	1,942.34	39.88	49.709		
4,100.00	3,847.80	3,827.46	3,827.44	25.14	16.48	72.28	-2,610.65	-618.22	1,969.34	1,928.34	41.00	48.027		
4,200.00	3,939.44	3,919.38	3,919.35	25.84	16.86	73.30	-2,611.36	-618.18	1,957.12	1,914.99	42.13	46.453		
4,300.00	4,031.08	4,007.57	4,007.53	26.54	17.23	74.29	-2,612.16	-618.17	1,945.73	1,902.48	43.25	44.991		
4,400.00	4,122.72	4,099.31	4,099.27	27.24	17.62	75.32	-2,613.10	-618.16	1,935.16	1,890.78	44.38	43.607		
4,500.00	4,214.35	4,193.88	4,193.84	27.94	18.02	76.39	-2,614.16	-617.98	1,925.27	1,879.75	45.52	42.296		
4,600.00	4,305.99	4,283.02	4,282.97	28.64	18.39	77.41	-2,615.23	-617.75	1,916.13	1,869.49	46.64	41.082		
4,700.00	4,397.63	4,376.92	4,376.86	29.35	18.79	78.49	-2,616.29	-617.64	1,907.80	1,860.02	47.78	39.926		
4,800.00	4,489.26	4,464.38	4,464.32	30.05	19.16	79.52	-2,617.05	-617.76	1,900.24	1,851.34	48.90	38.859		
4,900.00	4,580.90	4,554.83	4,554.77	30.75	19.54	80.59	-2,617.67	-618.33	1,893.72	1,843.69	50.03	37.851		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - CARLSON #14-1(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,672.54	4,648.74	4,648.67	31.45	19.94	81.72	-2,618.33	-618.81	1,887.93	1,836.75	51.17	36.894					
5,100.00	4,764.17	4,746.07	4,746.00	32.16	20.35	82.88	-2,619.10	-619.05	1,882.83	1,830.50	52.32	35.984					
5,200.00	4,855.81	4,843.71	4,843.63	32.86	20.76	84.04	-2,619.98	-618.70	1,878.15	1,824.68	53.47	35.123					
5,300.00	4,947.45	4,936.07	4,935.99	33.56	21.15	85.14	-2,620.83	-618.25	1,874.20	1,819.60	54.60	34.325					
5,400.00	5,039.08	5,028.62	5,028.53	34.27	21.54	86.25	-2,621.49	-617.91	1,871.04	1,815.31	55.73	33.576					
5,500.00	5,130.72	5,120.93	5,120.85	34.97	21.93	87.36	-2,621.95	-617.65	1,868.65	1,811.81	56.85	32.873					
5,600.00	5,222.36	5,210.50	5,210.42	35.68	22.31	88.45	-2,622.35	-617.51	1,867.18	1,809.23	57.95	32.221					
5,700.00	5,314.00	5,302.48	5,302.40	36.38	22.70	89.57	-2,622.71	-617.44	1,866.58	1,807.53	59.06	31.607					
5,721.51	5,333.70	5,322.34	5,322.25	36.53	22.79	89.81	-2,622.78	-617.43	1,866.56	1,807.27	59.29	31.480					
5,800.00	5,405.63	5,394.76	5,394.67	37.08	23.10	90.70	-2,623.01	-617.40	1,866.82	1,806.66	60.16	31.031					
5,900.00	5,497.27	5,483.77	5,483.68	37.79	23.47	91.78	-2,623.30	-617.41	1,867.95	1,806.71	61.24	30.501					
6,000.00	5,588.91	5,574.44	5,574.36	38.50	23.86	92.89	-2,623.68	-617.50	1,870.03	1,807.71	62.33	30.004					
6,100.00	5,680.54	5,663.63	5,663.54	39.20	24.24	93.97	-2,624.01	-617.67	1,873.02	1,809.63	63.39	29.546					
6,200.00	5,772.18	5,752.07	5,751.98	39.91	24.61	95.05	-2,624.33	-618.03	1,877.02	1,812.57	64.45	29.123					
6,300.00	5,863.82	5,841.31	5,841.22	40.61	24.99	96.13	-2,624.61	-618.55	1,882.00	1,816.49	65.50	28.732					
6,400.00	5,955.45	5,930.11	5,930.01	41.32	25.37	97.21	-2,624.74	-619.25	1,887.91	1,821.37	66.54	28.372					
6,500.00	6,047.09	6,016.60	6,016.50	42.02	25.73	98.27	-2,624.62	-620.24	1,894.88	1,827.32	67.56	28.048					
6,600.00	6,138.73	6,104.40	6,104.29	42.73	26.10	99.33	-2,624.46	-621.46	1,902.90	1,834.32	68.57	27.750					
6,700.00	6,230.37	6,194.58	6,194.46	43.44	26.49	100.43	-2,624.21	-622.86	1,911.86	1,842.27	69.59	27.473					
6,712.03	6,241.39	6,205.53	6,205.41	43.52	26.53	100.56	-2,624.17	-623.04	1,913.00	1,843.28	69.71	27.441					
6,750.00	6,276.38	6,240.67	6,240.54	43.78	26.68	93.70	-2,624.02	-623.61	1,915.59	1,845.50	70.09	27.329					
6,800.00	6,322.91	6,287.44	6,287.30	44.09	26.88	83.24	-2,623.81	-624.37	1,915.87	1,845.30	70.57	27.149					
6,850.00	6,369.70	6,332.61	6,332.47	44.36	27.07	71.75	-2,623.59	-625.11	1,912.59	1,841.59	71.00	26.937					
6,900.00	6,416.45	6,377.13	6,376.98	44.59	27.26	60.28	-2,623.36	-625.89	1,905.77	1,834.37	71.39	26.694					
6,950.00	6,462.87	6,422.15	6,422.00	44.79	27.45	49.79	-2,623.14	-626.73	1,895.42	1,823.67	71.75	26.416					
7,000.00	6,508.69	6,467.45	6,467.29	44.95	27.64	40.79	-2,622.90	-627.60	1,881.55	1,809.47	72.08	26.104					
7,050.00	6,553.61	6,512.76	6,512.58	45.09	27.84	33.34	-2,622.66	-628.49	1,864.22	1,791.84	72.38	25.756					
7,100.00	6,597.37	6,559.07	6,558.88	45.20	28.03	27.23	-2,622.39	-629.36	1,843.44	1,770.78	72.66	25.370					
7,150.00	6,639.68	6,603.90	6,603.71	45.30	28.22	22.16	-2,622.09	-630.15	1,819.31	1,746.39	72.92	24.950					
7,200.00	6,680.29	6,647.22	6,647.02	45.39	28.41	17.85	-2,621.80	-630.87	1,791.96	1,718.81	73.15	24.497					
7,250.00	6,718.96	6,688.46	6,688.25	45.48	28.58	14.06	-2,621.52	-631.49	1,761.53	1,688.17	73.36	24.011					
7,300.00	6,755.43	6,727.43	6,727.22	45.57	28.75	10.57	-2,621.24	-632.03	1,728.21	1,654.66	73.56	23.495					
7,350.00	6,789.49	6,763.84	6,763.62	45.67	28.90	7.19	-2,620.93	-632.50	1,692.20	1,618.46	73.74	22.949					
7,400.00	6,820.93	6,797.41	6,797.19	45.77	29.04	3.72	-2,620.59	-632.91	1,653.70	1,579.80	73.90	22.377					
7,450.00	6,849.55	6,827.47	6,827.24	45.89	29.17	-0.09	-2,620.23	-633.26	1,612.97	1,538.92	74.05	21.781					
7,500.00	6,875.17	6,854.36	6,854.13	46.02	29.28	-4.51	-2,619.86	-633.58	1,570.27	1,496.07	74.20	21.164					
7,550.00	6,897.64	6,877.99	6,877.76	46.17	29.38	-9.99	-2,619.49	-633.85	1,525.86	1,451.52	74.33	20.527					
7,600.00	6,916.82	6,898.22	6,897.98	46.35	29.47	-17.14	-2,619.15	-634.08	1,480.02	1,405.56	74.47	19.875					
7,650.00	6,932.60	6,913.32	6,913.09	46.55	29.53	-26.73	-2,618.87	-634.25	1,433.08	1,358.49	74.59	19.212					
7,700.00	6,944.86	6,925.12	6,924.88	46.78	29.58	-39.69	-2,618.65	-634.40	1,385.35	1,310.63	74.72	18.540					
7,750.00	6,953.55	6,933.71	6,933.47	47.04	29.62	-56.13	-2,618.48	-634.52	1,337.14	1,262.28	74.86	17.862					
7,800.00	6,958.59	6,939.02	6,938.77	47.33	29.64	-74.07	-2,618.37	-634.60	1,288.79	1,213.77	75.01	17.181					
7,842.10	6,960.00	6,940.89	6,940.64	47.60	29.65	-87.80	-2,618.33	-634.62	1,248.22	1,173.07	75.15	16.609					
7,900.00	6,960.15	6,941.81	6,941.57	48.01	29.66	-87.95	-2,618.32	-634.64	1,192.72	1,117.36	75.36	15.826					
8,000.00	6,960.40	6,943.43	6,943.18	48.86	29.66	-88.21	-2,618.28	-634.66	1,097.46	1,021.66	75.80	14.478					
8,100.00	6,960.65	6,945.07	6,944.82	49.87	29.67	-88.48	-2,618.25	-634.68	1,003.12	926.76	76.36	13.137					
8,200.00	6,960.91	6,946.73	6,946.49	51.06	29.68	-88.76	-2,618.21	-634.71	909.99	832.92	77.06	11.808					
8,300.00	6,961.16	6,948.42	6,948.17	52.41	29.68	-89.04	-2,618.18	-634.73	818.47	740.49	77.98	10.496					
8,400.00	6,961.41	6,950.14	6,949.89	53.93	29.69	-89.32	-2,618.14	-634.76	729.18	650.00	79.19	9.208					
8,500.00	6,961.66	6,951.88	6,951.63	55.59	29.70	-89.61	-2,618.11	-634.79	643.05	562.26	80.80	7.959					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,953.65	6,953.40	57.37	29.71	-89.90	-2,618.07	-634.81	561.53	478.59	82.94	6.770		
8,700.00	6,962.16	6,955.45	6,955.20	59.27	29.71	-90.19	-2,618.03	-634.84	486.94	401.20	85.74	5.679		
8,800.00	6,962.42	6,957.27	6,957.02	61.26	29.72	-90.49	-2,617.99	-634.87	422.96	333.81	89.15	4.744		
8,900.00	6,962.67	6,959.13	6,958.87	63.34	29.73	-90.80	-2,617.95	-634.90	375.07	282.46	92.62	4.050		
9,000.00	6,962.92	6,961.01	6,960.75	65.49	29.74	-91.11	-2,617.91	-634.93	349.93	255.18	94.75	3.693		
9,041.16	6,963.02	6,961.79	6,961.54	66.39	29.74	-91.24	-2,617.89	-634.94	347.50	252.62	94.88	3.663 CC, ES, SF		
9,100.00	6,963.17	6,962.92	6,962.67	67.70	29.74	-91.43	-2,617.87	-634.96	352.45	258.27	94.17	3.742		
9,200.00	6,963.42	6,964.87	6,964.61	69.97	29.75	-91.75	-2,617.83	-634.99	382.07	290.90	91.17	4.191		
9,300.00	6,963.68	6,966.84	6,966.59	72.28	29.76	-92.07	-2,617.78	-635.02	433.28	345.94	87.34	4.961		
9,400.00	6,963.93	6,968.85	6,968.59	74.64	29.77	-92.40	-2,617.74	-635.06	499.48	415.56	83.91	5.952		
9,500.00	6,964.18	6,970.89	6,970.63	77.04	29.78	-92.74	-2,617.69	-635.09	575.51	494.27	81.24	7.084		
9,600.00	6,964.43	6,972.97	6,972.71	79.48	29.79	-93.08	-2,617.65	-635.13	657.98	578.72	79.27	8.301		
9,700.00	6,964.68	6,975.08	6,974.82	81.94	29.80	-93.43	-2,617.60	-635.16	744.76	666.93	77.83	9.569		
9,800.00	6,964.94	6,977.23	6,976.97	84.43	29.81	-93.78	-2,617.55	-635.20	834.49	757.71	76.78	10.868		
9,900.00	6,965.19	6,979.41	6,979.15	86.95	29.81	-94.14	-2,617.50	-635.24	926.32	850.32	76.01	12.187		
10,000.00	6,965.44	6,981.63	6,981.37	89.49	29.82	-94.51	-2,617.45	-635.28	1,019.69	944.26	75.43	13.518		
10,100.00	6,965.69	6,983.89	6,983.63	92.05	29.83	-94.88	-2,617.40	-635.32	1,114.21	1,039.22	74.99	14.858		
10,200.00	6,965.94	6,986.19	6,985.93	94.63	29.84	-95.25	-2,617.35	-635.36	1,209.60	1,134.95	74.65	16.203		
10,300.00	6,966.19	6,988.53	6,988.27	97.22	29.85	-95.64	-2,617.29	-635.40	1,305.68	1,231.29	74.39	17.551		
10,400.00	6,966.45	6,990.92	6,990.65	99.83	29.86	-96.03	-2,617.24	-635.44	1,402.30	1,328.12	74.19	18.902		
10,500.00	6,966.70	6,993.34	6,993.08	102.46	29.87	-96.43	-2,617.18	-635.49	1,499.37	1,425.34	74.03	20.254		
10,600.00	6,966.95	6,995.81	6,995.54	105.09	29.88	-96.83	-2,617.12	-635.53	1,596.79	1,522.89	73.90	21.607		
10,700.00	6,967.20	6,998.33	6,998.06	107.74	29.89	-97.24	-2,617.06	-635.58	1,694.51	1,620.71	73.80	22.960		
10,800.00	6,967.45	7,000.89	7,000.62	110.41	29.91	-97.66	-2,617.00	-635.63	1,792.48	1,718.75	73.72	24.313		
10,900.00	6,967.71	7,003.50	7,003.23	113.08	29.92	-98.08	-2,616.94	-635.68	1,890.66	1,816.99	73.66	25.666		
11,000.00	6,967.96	7,006.16	7,005.89	115.76	29.93	-98.52	-2,616.87	-635.73	1,989.01	1,915.40	73.62	27.018		
11,100.00	6,968.21	7,008.87	7,008.60	118.45	29.94	-98.95	-2,616.80	-635.79	2,087.52	2,013.94	73.58	28.370		
11,200.00	6,968.46	7,011.64	7,011.36	121.15	29.95	-99.40	-2,616.74	-635.84	2,186.17	2,112.61	73.56	29.720		
11,300.00	6,968.71	7,014.45	7,014.18	123.85	29.96	-99.86	-2,616.67	-635.90	2,284.92	2,211.38	73.54	31.070		
11,400.00	6,968.97	7,017.33	7,017.05	126.56	29.98	-100.32	-2,616.59	-635.96	2,383.78	2,310.25	73.53	32.418		
11,500.00	6,969.22	7,020.26	7,019.98	129.28	29.99	-100.79	-2,616.52	-636.02	2,482.73	2,409.20	73.53	33.765		
11,600.00	6,969.47	7,023.11	7,022.83	132.01	29.99	-101.02	-2,616.48	-636.04	2,581.76	2,508.23	73.54	35.109		
11,700.00	6,969.72	7,026.04	7,025.76	134.74	30.01	-101.47	-2,616.41	-636.10	2,680.86	2,607.32	73.54	36.453		
11,800.00	6,969.97	7,028.97	7,028.69	137.48	30.02	-101.91	-2,616.33	-636.15	2,780.02	2,706.46	73.55	37.795		
11,900.00	6,970.22	7,031.90	7,031.62	140.22	30.03	-102.36	-2,616.26	-636.21	2,879.23	2,805.66	73.57	39.136		
12,000.00	6,970.48	7,034.97	7,034.68	142.97	30.04	-102.82	-2,616.18	-636.27	2,978.50	2,904.91	73.59	40.475		
12,100.00	6,970.73	7,038.08	7,037.79	145.72	30.05	-103.28	-2,616.10	-636.33	3,077.81	3,004.20	73.61	41.813		
12,200.00	6,970.98	7,041.23	7,040.94	148.47	30.07	-103.74	-2,616.02	-636.39	3,177.16	3,103.53	73.63	43.149		
12,300.00	6,971.23	7,044.41	7,044.12	151.23	30.08	-104.21	-2,615.94	-636.46	3,276.55	3,202.89	73.66	44.482		
12,400.00	6,971.48	7,047.64	7,047.35	154.00	30.09	-104.68	-2,615.86	-636.52	3,375.97	3,302.29	73.69	45.814		
12,500.00	6,971.74	7,050.90	7,050.61	156.76	30.11	-105.16	-2,615.77	-636.59	3,475.43	3,401.71	73.72	47.144		
12,600.00	6,971.99	7,054.19	7,053.90	159.53	30.12	-105.65	-2,615.68	-636.66	3,574.91	3,501.16	73.75	48.472		
12,700.00	6,972.24	7,057.51	7,057.22	162.31	30.13	-106.13	-2,615.59	-636.72	3,674.42	3,600.63	73.79	49.797		
12,800.00	6,972.49	7,060.86	7,060.57	165.09	30.15	-106.63	-2,615.50	-636.79	3,773.95	3,700.13	73.82	51.121		
12,900.00	6,972.74	7,064.23	7,063.94	167.86	30.16	-107.12	-2,615.41	-636.87	3,873.51	3,799.64	73.86	52.442		
13,002.01	6,973.00	7,067.63	7,067.34	170.70	30.17	-107.64	-2,615.31	-636.94	3,975.08	3,901.18	73.90	53.788		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-154.57	-3,675.78	-1,747.56	4,070.25					
100.00	100.00	60.00	60.00	3.28	3.44	-154.57	-3,675.78	-1,747.56	4,070.05	4,063.33	6.73	604.955		
200.00	200.00	160.00	160.00	3.34	5.05	-154.57	-3,675.78	-1,747.56	4,070.05	4,061.67	8.39	485.266		
300.00	300.00	260.00	260.00	3.44	8.03	-154.57	-3,675.78	-1,747.56	4,070.05	4,058.58	11.48	354.648		
400.00	399.98	359.98	359.98	3.60	11.31	56.06	-3,675.78	-1,747.56	4,069.08	4,054.17	14.90	273.024		
500.00	499.84	459.84	459.84	3.79	14.68	56.17	-3,675.78	-1,747.56	4,066.16	4,047.69	18.47	220.201		
600.00	599.45	559.45	559.45	4.02	18.08	56.36	-3,675.78	-1,747.56	4,061.30	4,039.20	22.10	183.729		
700.00	698.70	658.70	658.70	4.29	21.50	56.61	-3,675.78	-1,747.56	4,054.54	4,028.75	25.79	157.204		
800.00	797.47	757.47	757.47	4.60	24.91	56.94	-3,675.78	-1,747.56	4,045.89	4,016.39	29.51	137.108		
900.00	895.62	855.62	855.62	4.94	28.31	57.34	-3,675.78	-1,747.56	4,035.41	4,002.16	33.24	121.384		
1,000.00	993.06	953.06	953.06	5.31	31.70	57.82	-3,675.78	-1,747.56	4,023.12	3,986.13	36.99	108.758		
1,100.00	1,089.64	1,049.64	1,049.64	5.72	35.05	58.36	-3,675.78	-1,747.56	4,009.10	3,968.35	40.74	98.401		
1,200.00	1,185.27	1,145.27	1,145.27	6.17	38.38	58.98	-3,675.78	-1,747.56	3,993.40	3,948.90	44.49	89.754		
1,300.00	1,279.82	1,239.82	1,239.82	6.65	41.67	59.67	-3,675.78	-1,747.56	3,976.09	3,927.86	48.24	82.426		
1,400.00	1,373.17	1,333.17	1,333.17	7.17	44.92	60.43	-3,675.78	-1,747.56	3,957.27	3,905.29	51.98	76.135		
1,479.95	1,446.87	1,406.87	1,406.87	7.61	47.48	61.08	-3,675.78	-1,747.56	3,941.19	3,886.23	54.96	71.712		
1,500.00	1,465.24	1,425.24	1,425.24	7.72	48.12	61.18	-3,675.78	-1,747.56	3,937.05	3,881.34	55.71	70.676		
1,600.00	1,556.88	1,516.88	1,516.88	8.31	51.31	61.66	-3,675.78	-1,747.56	3,916.59	3,857.15	59.44	65.887		
1,700.00	1,648.52	1,608.52	1,608.52	8.92	54.51	62.14	-3,675.78	-1,747.56	3,896.44	3,833.24	63.20	61.651		
1,800.00	1,740.15	1,700.15	1,700.15	9.54	57.70	62.63	-3,675.78	-1,747.56	3,876.59	3,809.62	66.98	57.880		
1,900.00	1,831.79	1,808.21	1,791.79	10.17	61.47	63.13	-3,675.78	-1,747.56	3,857.06	3,785.72	71.34	54.067		
2,000.00	1,923.43	1,883.43	1,883.43	10.81	64.09	63.62	-3,675.78	-1,747.56	3,837.85	3,763.28	74.57	51.468		
2,100.00	2,015.06	1,975.06	1,975.06	11.46	67.28	64.13	-3,675.78	-1,747.56	3,818.96	3,740.58	78.38	48.724		
2,200.00	2,106.70	2,066.70	2,066.70	12.11	70.48	64.63	-3,675.78	-1,747.56	3,800.39	3,718.19	82.20	46.232		
2,300.00	2,198.34	2,158.34	2,158.34	12.78	73.68	65.14	-3,675.78	-1,747.56	3,782.16	3,696.13	86.03	43.961		
2,400.00	2,289.98	2,249.98	2,249.98	13.44	76.87	65.66	-3,675.78	-1,747.56	3,764.27	3,674.40	89.87	41.884		
2,500.00	2,381.61	2,341.61	2,341.61	14.11	80.07	66.18	-3,675.78	-1,747.56	3,746.72	3,653.00	93.72	39.978		
2,600.00	2,473.25	2,433.25	2,433.25	14.79	83.26	66.70	-3,675.78	-1,747.56	3,729.52	3,631.94	97.57	38.223		
2,700.00	2,564.89	2,524.89	2,524.89	15.47	86.46	67.23	-3,675.78	-1,747.56	3,712.66	3,611.23	101.43	36.603		
2,800.00	2,656.52	2,616.52	2,616.52	16.15	89.66	67.76	-3,675.78	-1,747.56	3,696.17	3,590.88	105.29	35.103		
2,900.00	2,748.16	2,708.16	2,708.16	16.83	92.85	68.29	-3,675.78	-1,747.56	3,680.04	3,570.87	109.16	33.711		
3,000.00	2,839.80	2,800.20	2,799.80	17.52	96.07	68.83	-3,675.78	-1,747.56	3,664.27	3,551.22	113.05	32.412		
3,100.00	2,931.43	2,908.57	2,891.43	18.20	99.85	69.38	-3,675.78	-1,747.56	3,648.88	3,531.36	117.52	31.050		
3,200.00	3,023.07	2,983.07	2,983.07	18.89	102.45	69.92	-3,675.78	-1,747.56	3,633.86	3,513.05	120.80	30.081		
3,300.00	3,114.71	3,074.71	3,074.71	19.58	105.64	70.48	-3,675.78	-1,747.56	3,619.22	3,494.53	124.69	29.026		
3,400.00	3,206.35	3,166.35	3,166.35	20.27	108.84	71.03	-3,675.78	-1,747.56	3,604.96	3,476.38	128.58	28.037		
3,500.00	3,297.98	3,257.98	3,257.98	20.97	112.04	71.59	-3,675.78	-1,747.56	3,591.10	3,458.63	132.47	27.108		
3,600.00	3,389.62	3,349.62	3,349.62	21.66	115.24	72.15	-3,675.78	-1,747.56	3,577.63	3,441.26	136.37	26.235		
3,700.00	3,481.26	3,441.26	3,441.26	22.36	118.43	72.72	-3,675.78	-1,747.56	3,564.56	3,424.29	140.27	25.412		
3,800.00	3,572.89	3,532.89	3,532.89	23.05	121.63	73.29	-3,675.78	-1,747.56	3,551.89	3,407.71	144.17	24.636		
3,900.00	3,664.53	3,624.53	3,624.53	23.75	124.83	73.86	-3,675.78	-1,747.56	3,539.63	3,391.55	148.08	23.903		
4,000.00	3,756.17	3,716.17	3,716.17	24.45	128.03	74.44	-3,675.78	-1,747.56	3,527.78	3,375.79	151.99	23.211		
4,100.00	3,847.80	3,807.80	3,807.80	25.14	131.23	75.02	-3,675.78	-1,747.56	3,516.35	3,360.45	155.90	22.555		
4,200.00	3,939.44	3,900.56	3,899.44	25.84	134.46	75.60	-3,675.78	-1,747.56	3,505.33	3,345.48	159.85	21.929		
4,300.00	4,031.08	4,008.92	3,991.08	26.54	138.25	76.18	-3,675.78	-1,747.56	3,494.74	3,330.39	164.35	21.264		
4,400.00	4,122.72	4,082.72	4,082.72	27.24	140.82	76.77	-3,675.78	-1,747.56	3,484.58	3,316.94	167.65	20.785		
4,500.00	4,214.35	4,174.35	4,174.35	27.94	144.02	77.36	-3,675.78	-1,747.56	3,474.85	3,303.29	171.56	20.254		
4,600.00	4,305.99	4,265.99	4,265.99	28.64	147.22	77.96	-3,675.78	-1,747.56	3,465.56	3,290.07	175.48	19.749		
4,700.00	4,397.63	4,357.63	4,357.63	29.35	150.42	78.56	-3,675.78	-1,747.56	3,456.70	3,277.30	179.40	19.268		
4,800.00	4,489.26	4,449.26	4,449.26	30.05	153.61	79.16	-3,675.78	-1,747.56	3,448.29	3,264.96	183.33	18.809		
4,900.00	4,580.90	4,540.90	4,540.90	30.75	156.81	79.76	-3,675.78	-1,747.56	3,440.32	3,253.07	187.25	18.373		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,632.54	4,632.54	31.45	160.01	80.36	-3,675.78	-1,747.56	3,432.80	3,241.62	191.17	17.956		
5,100.00	4,764.17	4,724.17	4,724.17	32.16	163.21	80.97	-3,675.78	-1,747.56	3,425.73	3,230.63	195.10	17.559		
5,200.00	4,855.81	4,815.81	4,815.81	32.86	166.41	81.58	-3,675.78	-1,747.56	3,419.11	3,220.09	199.02	17.179		
5,300.00	4,947.45	4,907.45	4,907.45	33.56	169.61	82.19	-3,675.78	-1,747.56	3,412.96	3,210.01	202.95	16.817		
5,400.00	5,039.08	5,000.92	4,999.08	34.27	172.87	82.80	-3,675.78	-1,747.56	3,407.26	3,200.32	206.94	16.465		
5,500.00	5,130.72	5,109.28	5,090.72	34.97	176.65	83.41	-3,675.78	-1,747.56	3,402.02	3,190.57	211.45	16.089		
5,600.00	5,222.36	5,182.36	5,182.36	35.68	179.20	84.03	-3,675.78	-1,747.56	3,397.25	3,182.52	214.72	15.822		
5,700.00	5,314.00	5,274.00	5,274.00	36.38	182.40	84.64	-3,675.78	-1,747.56	3,392.94	3,174.29	218.65	15.518		
5,800.00	5,405.63	5,365.63	5,365.63	37.08	185.60	85.26	-3,675.78	-1,747.56	3,389.10	3,166.53	222.57	15.227		
5,900.00	5,497.27	5,457.27	5,457.27	37.79	188.80	85.88	-3,675.78	-1,747.56	3,385.73	3,159.24	226.49	14.949		
6,000.00	5,588.91	5,548.91	5,548.91	38.50	192.00	86.50	-3,675.78	-1,747.56	3,382.83	3,152.41	230.41	14.682		
6,100.00	5,680.54	5,640.54	5,640.54	39.20	195.19	87.12	-3,675.78	-1,747.56	3,380.40	3,146.06	234.33	14.426		
6,200.00	5,772.18	5,732.18	5,732.18	39.91	198.39	87.74	-3,675.78	-1,747.56	3,378.44	3,140.19	238.25	14.180		
6,300.00	5,863.82	5,823.82	5,823.82	40.61	201.59	88.37	-3,675.78	-1,747.56	3,376.96	3,134.79	242.17	13.945		
6,400.00	5,955.45	5,915.45	5,915.45	41.32	204.79	88.99	-3,675.78	-1,747.56	3,375.95	3,129.86	246.09	13.719		
6,500.00	6,047.09	6,007.09	6,007.09	42.02	207.99	89.61	-3,675.78	-1,747.56	3,375.41	3,125.42	250.00	13.502		
6,562.56	6,104.42	6,064.42	6,064.42	42.47	209.99	90.00	-3,675.78	-1,747.56	3,375.32	3,122.88	252.45	13.370		
6,600.00	6,138.73	6,101.27	6,098.73	42.73	211.28	90.23	-3,675.78	-1,747.56	3,375.36	3,121.36	254.00	13.289		
6,700.00	6,230.37	6,209.63	6,190.37	43.44	215.06	90.86	-3,675.78	-1,747.56	3,375.77	3,117.28	258.49	13.059		
6,712.03	6,241.39	6,201.39	6,201.39	43.52	214.77	90.93	-3,675.78	-1,747.56	3,375.85	3,117.56	258.29	13.070		
6,750.00	6,276.38	6,236.38	6,236.38	43.78	215.99	83.79	-3,675.78	-1,747.56	3,375.15	3,115.38	259.77	12.993		
6,800.00	6,322.91	6,282.91	6,282.91	44.09	217.62	72.91	-3,675.78	-1,747.56	3,371.26	3,109.56	261.71	12.882		
6,850.00	6,369.70	6,329.70	6,329.70	44.36	219.25	60.99	-3,675.78	-1,747.56	3,364.00	3,100.39	263.61	12.761		
6,900.00	6,416.45	6,376.45	6,376.45	44.59	220.88	49.03	-3,675.78	-1,747.56	3,353.38	3,087.90	265.48	12.632		
6,950.00	6,462.87	6,422.87	6,422.87	44.79	222.50	37.97	-3,675.78	-1,747.56	3,339.44	3,072.15	267.29	12.494		
7,000.00	6,508.69	6,468.69	6,468.69	44.95	224.10	28.32	-3,675.78	-1,747.56	3,322.26	3,053.21	269.05	12.348		
7,050.00	6,553.61	6,513.61	6,513.61	45.09	225.67	20.10	-3,675.78	-1,747.56	3,301.91	3,031.15	270.76	12.195		
7,100.00	6,597.37	6,557.37	6,557.37	45.20	227.20	13.10	-3,675.78	-1,747.56	3,278.50	3,006.11	272.40	12.036		
7,150.00	6,639.68	6,600.32	6,599.68	45.30	228.70	7.00	-3,675.78	-1,747.56	3,252.18	2,978.18	274.00	11.869		
7,200.00	6,680.29	6,640.29	6,640.29	45.39	230.09	1.51	-3,675.78	-1,747.56	3,223.09	2,947.61	275.48	11.700		
7,250.00	6,718.96	6,678.96	6,678.96	45.48	231.44	-3.65	-3,675.78	-1,747.56	3,191.41	2,914.49	276.91	11.525		
7,300.00	6,755.43	6,715.43	6,715.43	45.57	232.71	-8.72	-3,675.78	-1,747.56	3,157.33	2,879.06	278.27	11.346		
7,350.00	6,789.49	6,749.49	6,749.49	45.67	233.90	-13.91	-3,675.78	-1,747.56	3,121.08	2,841.54	279.54	11.165		
7,400.00	6,820.93	6,780.93	6,780.93	45.77	235.00	-19.43	-3,675.78	-1,747.56	3,082.88	2,802.15	280.73	10.982		
7,450.00	6,849.55	6,809.55	6,809.55	45.89	236.00	-25.47	-3,675.78	-1,747.56	3,042.99	2,761.16	281.83	10.797		
7,500.00	6,875.17	6,835.17	6,835.17	46.02	236.89	-32.20	-3,675.78	-1,747.56	3,001.68	2,718.84	282.83	10.613		
7,550.00	6,897.64	6,857.64	6,857.64	46.17	237.68	-39.73	-3,675.78	-1,747.56	2,959.21	2,675.47	283.74	10.429		
7,600.00	6,916.82	6,876.82	6,876.82	46.35	238.35	-48.06	-3,675.78	-1,747.56	2,915.89	2,631.35	284.55	10.248		
7,650.00	6,932.60	6,907.41	6,892.60	46.55	239.41	-57.02	-3,675.78	-1,747.56	2,872.02	2,586.25	285.77	10.050		
7,700.00	6,944.86	6,904.86	6,904.86	46.78	239.33	-66.24	-3,675.78	-1,747.56	2,827.90	2,542.05	285.85	9.893		
7,750.00	6,953.55	6,913.55	6,913.55	47.04	239.63	-75.24	-3,675.78	-1,747.56	2,783.86	2,497.51	286.35	9.722		
7,800.00	6,958.59	6,918.59	6,918.59	47.33	239.81	-83.55	-3,675.78	-1,747.56	2,740.19	2,453.45	286.74	9.556		
7,842.10	6,960.00	6,920.00	6,920.00	47.60	239.85	-89.76	-3,675.78	-1,747.56	2,703.96	2,416.97	286.99	9.422		
7,900.00	6,960.15	6,920.15	6,920.15	48.01	239.86	-89.77	-3,675.78	-1,747.56	2,654.73	2,367.43	287.30	9.240		
8,000.00	6,960.40	6,920.40	6,920.40	48.86	239.87	-89.78	-3,675.78	-1,747.56	2,570.54	2,282.64	287.90	8.928		
8,100.00	6,960.65	6,920.65	6,920.65	49.87	239.88	-89.79	-3,675.78	-1,747.56	2,487.53	2,198.92	288.61	8.619		
8,200.00	6,960.91	6,920.91	6,920.91	51.06	239.89	-89.80	-3,675.78	-1,747.56	2,405.81	2,116.38	289.43	8.312		
8,300.00	6,961.16	6,921.16	6,921.16	52.41	239.89	-89.81	-3,675.78	-1,747.56	2,325.52	2,035.15	290.37	8.009		
8,400.00	6,961.41	6,921.41	6,921.41	53.93	239.90	-89.82	-3,675.78	-1,747.56	2,246.81	1,955.35	291.46	7.709		
8,500.00	6,961.66	6,921.66	6,921.66	55.59	239.91	-89.83	-3,675.78	-1,747.56	2,169.86	1,877.16	292.69	7.413		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - CARLSON #14-2(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,600.00	6,961.91	6,921.91	6,921.91	57.37	239.92	-89.84	-3,675.78	-1,747.56	2,094.85	1,800.76	294.09	7.123		
8,700.00	6,962.16	6,922.16	6,922.16	59.27	239.93	-89.85	-3,675.78	-1,747.56	2,022.01	1,726.34	295.67	6.839		
8,800.00	6,962.42	6,922.42	6,922.42	61.26	239.94	-89.86	-3,675.78	-1,747.56	1,951.57	1,654.14	297.43	6.561		
8,900.00	6,962.67	6,922.67	6,922.67	63.34	239.95	-89.87	-3,675.78	-1,747.56	1,883.81	1,584.42	299.39	6.292		
9,000.00	6,962.92	6,922.92	6,922.92	65.49	239.96	-89.88	-3,675.78	-1,747.56	1,819.03	1,517.48	301.54	6.032		
9,100.00	6,963.17	6,923.17	6,923.17	67.70	239.97	-89.89	-3,675.78	-1,747.56	1,757.55	1,453.66	303.89	5.783		
9,200.00	6,963.42	6,923.42	6,923.42	69.97	239.97	-89.90	-3,675.78	-1,747.56	1,699.73	1,393.30	306.43	5.547		
9,300.00	6,963.68	6,923.68	6,923.68	72.28	239.98	-89.91	-3,675.78	-1,747.56	1,645.97	1,336.83	309.14	5.324		
9,400.00	6,963.93	6,923.93	6,923.93	74.64	239.99	-89.92	-3,675.78	-1,747.56	1,596.66	1,284.66	312.00	5.117		
9,500.00	6,964.18	6,924.18	6,924.18	77.04	240.00	-89.93	-3,675.78	-1,747.56	1,552.24	1,237.27	314.97	4.928		
9,600.00	6,964.43	6,924.43	6,924.43	79.48	240.01	-89.94	-3,675.78	-1,747.56	1,513.13	1,195.12	318.01	4.758		
9,700.00	6,964.68	6,924.68	6,924.68	81.94	240.02	-89.95	-3,675.78	-1,747.56	1,479.76	1,158.71	321.05	4.609		
9,800.00	6,964.94	6,924.94	6,924.94	84.43	240.03	-89.96	-3,675.78	-1,747.56	1,452.51	1,128.49	324.03	4.483		
9,900.00	6,965.19	6,925.19	6,925.19	86.95	240.04	-89.97	-3,675.78	-1,747.56	1,431.75	1,104.87	326.88	4.380		
10,000.00	6,965.44	6,925.44	6,925.44	89.49	240.04	-89.98	-3,675.78	-1,747.56	1,417.75	1,088.22	329.53	4.302		
10,100.00	6,965.69	6,925.69	6,925.69	92.05	240.05	-89.99	-3,675.78	-1,747.56	1,410.72	1,078.81	331.92	4.250		
10,149.42	6,965.82	6,925.82	6,925.82	93.32	240.06	-90.00	-3,675.78	-1,747.56	1,409.86	1,076.88	332.98	4.234	CC	
10,200.00	6,965.94	6,925.94	6,925.94	94.63	240.06	-90.01	-3,675.78	-1,747.56	1,410.77	1,076.79	333.98	4.224	ES	
10,300.00	6,966.19	6,926.19	6,926.19	97.22	240.07	-90.02	-3,675.78	-1,747.56	1,417.88	1,082.19	335.69	4.224	SF	
10,400.00	6,966.45	6,926.45	6,926.45	99.83	240.08	-90.03	-3,675.78	-1,747.56	1,431.95	1,094.94	337.01	4.249		
10,500.00	6,966.70	6,926.70	6,926.70	102.46	240.09	-90.04	-3,675.78	-1,747.56	1,452.79	1,114.84	337.96	4.299		
10,600.00	6,966.95	6,926.95	6,926.95	105.09	240.10	-90.05	-3,675.78	-1,747.56	1,480.11	1,141.57	338.54	4.372		
10,700.00	6,967.20	6,927.20	6,927.20	107.74	240.11	-90.06	-3,675.78	-1,747.56	1,513.55	1,174.77	338.78	4.468		
10,800.00	6,967.45	6,927.45	6,927.45	110.41	240.11	-90.07	-3,675.78	-1,747.56	1,552.72	1,214.00	338.73	4.584		
10,900.00	6,967.71	6,927.71	6,927.71	113.08	240.12	-90.08	-3,675.78	-1,747.56	1,597.21	1,258.79	338.42	4.720		
11,000.00	6,967.96	6,927.96	6,927.96	115.76	240.13	-90.09	-3,675.78	-1,747.56	1,646.57	1,308.67	337.90	4.873		
11,100.00	6,968.21	6,928.21	6,928.21	118.45	240.14	-90.10	-3,675.78	-1,747.56	1,700.38	1,363.16	337.22	5.042		
11,200.00	6,968.46	6,928.46	6,928.46	121.15	240.15	-90.11	-3,675.78	-1,747.56	1,758.24	1,421.84	336.40	5.227		
11,300.00	6,968.71	6,928.71	6,928.71	123.85	240.16	-90.12	-3,675.78	-1,747.56	1,819.76	1,484.26	335.50	5.424		
11,400.00	6,968.97	6,928.97	6,928.97	126.56	240.17	-90.13	-3,675.78	-1,747.56	1,884.58	1,550.05	334.53	5.634		
11,500.00	6,969.22	6,929.22	6,929.22	129.28	240.18	-90.14	-3,675.78	-1,747.56	1,952.37	1,618.85	333.52	5.854		
11,600.00	6,969.47	6,929.47	6,929.47	132.01	240.19	-90.15	-3,675.78	-1,747.56	2,022.84	1,690.34	332.49	6.084		
11,700.00	6,969.72	6,929.72	6,929.72	134.74	240.19	-90.16	-3,675.78	-1,747.56	2,095.71	1,764.25	331.46	6.323		
11,800.00	6,969.97	6,929.97	6,929.97	137.48	240.20	-90.17	-3,675.78	-1,747.56	2,170.74	1,840.30	330.44	6.569		
11,900.00	6,970.22	6,930.22	6,930.22	140.22	240.21	-90.18	-3,675.78	-1,747.56	2,247.71	1,918.28	329.43	6.823		
12,000.00	6,970.48	6,930.48	6,930.48	142.97	240.22	-90.19	-3,675.78	-1,747.56	2,326.44	1,997.99	328.45	7.083		
12,100.00	6,970.73	6,930.73	6,930.73	145.72	240.23	-90.20	-3,675.78	-1,747.56	2,406.75	2,079.25	327.49	7.349		
12,200.00	6,970.98	6,930.98	6,930.98	148.47	240.24	-90.21	-3,675.78	-1,747.56	2,488.48	2,161.91	326.57	7.620		
12,300.00	6,971.23	6,931.23	6,931.23	151.23	240.25	-90.22	-3,675.78	-1,747.56	2,571.51	2,245.83	325.68	7.896		
12,400.00	6,971.48	6,931.48	6,931.48	154.00	240.26	-90.23	-3,675.78	-1,747.56	2,655.71	2,330.88	324.83	8.176		
12,500.00	6,971.74	6,931.74	6,931.74	156.76	240.26	-90.24	-3,675.78	-1,747.56	2,740.96	2,416.95	324.01	8.459		
12,600.00	6,971.99	6,931.99	6,931.99	159.53	240.27	-90.25	-3,675.78	-1,747.56	2,827.19	2,503.96	323.23	8.747		
12,700.00	6,972.24	6,932.24	6,932.24	162.31	240.28	-90.26	-3,675.78	-1,747.56	2,914.29	2,591.81	322.48	9.037		
12,800.00	6,972.49	6,932.49	6,932.49	165.09	240.29	-90.27	-3,675.78	-1,747.56	3,002.20	2,680.43	321.77	9.330		
12,900.00	6,972.74	6,932.74	6,932.74	167.86	240.30	-90.28	-3,675.78	-1,747.56	3,090.85	2,769.76	321.09	9.626		
13,002.01	6,973.00	6,933.00	6,933.00	170.70	240.31	-90.29	-3,675.78	-1,747.56	3,181.97	2,861.54	320.43	9.930		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	135.85	-522.77	507.54	728.70					
100.00	100.00	93.71	93.71	3.28	0.21	135.87	-522.80	507.07	728.33	724.84	3.49	208.545		
200.00	200.00	198.97	198.96	3.34	0.44	135.97	-522.91	505.44	727.32	723.55	3.78	192.515		
300.00	300.00	304.19	304.14	3.44	0.68	136.14	-523.10	502.62	725.60	721.47	4.12	176.042		
400.00	399.98	412.50	412.38	3.60	1.07	-13.13	-522.64	499.04	721.31	716.64	4.67	154.297		
500.00	499.84	516.17	515.99	3.79	1.52	-13.27	-519.91	496.49	712.62	707.29	5.32	133.882		
600.00	599.45	617.86	617.59	4.02	1.96	-13.58	-516.30	494.39	700.17	694.17	6.00	116.706		
700.00	698.70	718.85	718.47	4.29	2.40	-14.06	-511.85	492.70	684.04	677.33	6.71	101.989		
800.00	797.47	818.94	818.41	4.60	2.83	-14.74	-506.58	491.40	664.29	656.85	7.44	89.291		
900.00	895.62	916.67	915.97	4.94	3.26	-15.60	-500.96	490.37	641.16	632.97	8.19	78.307		
1,000.00	993.06	1,016.95	1,016.06	5.31	3.70	-16.66	-494.95	488.83	614.39	605.42	8.97	68.471		
1,100.00	1,089.64	1,118.85	1,117.77	5.72	4.15	-17.79	-489.84	485.60	584.08	574.29	9.79	59.682		
1,200.00	1,185.27	1,234.01	1,232.49	6.17	4.66	-19.30	-482.39	478.70	547.84	537.17	10.67	51.329		
1,300.00	1,279.82	1,340.42	1,338.08	6.65	5.14	-21.33	-472.32	470.29	505.67	494.15	11.52	43.885		
1,400.00	1,373.17	1,441.07	1,437.47	7.17	5.60	-24.23	-459.37	461.28	458.32	445.97	12.35	37.115		
1,479.95	1,446.87	1,513.53	1,508.70	7.61	5.93	-27.27	-447.90	454.49	417.48	404.49	13.00	32.122		
1,500.00	1,465.24	1,530.91	1,525.74	7.72	6.01	-28.05	-444.88	452.93	407.03	393.87	13.16	30.924		
1,600.00	1,556.88	1,611.26	1,604.43	8.31	6.38	-32.38	-430.09	446.18	355.79	341.80	13.99	25.437		
1,700.00	1,648.52	1,696.69	1,688.00	8.92	6.77	-38.54	-413.57	439.74	307.16	292.27	14.89	20.630		
1,800.00	1,740.15	1,778.70	1,767.99	9.54	7.16	-46.36	-396.97	432.68	261.25	245.34	15.91	16.420		
1,900.00	1,831.79	1,860.84	1,848.26	10.17	7.54	-56.32	-381.36	424.95	221.22	204.14	17.09	12.947		
2,000.00	1,923.43	1,939.42	1,925.15	10.81	7.92	-68.31	-366.77	417.90	191.30	172.87	18.43	10.381		
2,100.00	2,015.06	2,019.15	2,003.14	11.46	8.30	-82.68	-351.46	411.47	176.93	157.20	19.73	8.968		
2,124.51	2,037.53	2,038.53	2,022.06	11.62	8.39	-86.37	-347.55	409.97	176.31	156.31	20.00	8.816 CC, ES		
2,200.00	2,106.70	2,101.80	2,083.87	12.11	8.69	-98.25	-335.02	404.94	181.49	160.81	20.69	8.774 SF		
2,300.00	2,198.34	2,183.90	2,164.24	12.78	9.08	-112.17	-319.74	398.03	202.45	181.19	21.26	9.522		
2,400.00	2,289.98	2,263.06	2,241.75	13.44	9.46	-123.11	-304.83	392.04	236.47	214.83	21.64	10.927		
2,500.00	2,381.61	2,342.08	2,319.04	14.11	9.84	-131.47	-289.13	387.17	279.44	257.38	22.05	12.672		
2,600.00	2,473.25	2,429.64	2,404.84	14.79	10.26	-138.42	-272.40	382.09	326.44	303.74	22.71	14.376		
2,700.00	2,564.89	2,507.98	2,481.65	15.47	10.63	-143.14	-257.59	377.77	376.12	352.86	23.25	16.174		
2,800.00	2,656.52	2,582.93	2,554.97	16.15	10.99	-146.69	-242.54	373.89	428.57	404.78	23.79	18.014		
2,900.00	2,748.16	2,666.13	2,636.19	16.83	11.39	-149.84	-225.06	369.54	483.01	458.48	24.53	19.694		
3,000.00	2,839.80	2,746.61	2,714.86	17.52	11.78	-152.36	-208.76	364.87	537.73	512.49	25.24	21.308		
3,100.00	2,931.43	2,826.95	2,793.26	18.20	12.17	-154.53	-192.09	359.23	593.64	567.68	25.96	22.868		
3,200.00	3,023.07	2,912.75	2,877.06	18.89	12.58	-156.53	-174.96	352.67	649.54	622.75	26.79	24.245		
3,300.00	3,114.71	3,000.96	2,963.31	19.58	13.01	-158.32	-157.93	345.28	705.49	677.83	27.67	25.501		
3,400.00	3,206.35	3,105.72	3,066.19	20.27	13.51	-160.14	-140.23	336.64	759.79	731.00	28.79	26.394		
3,500.00	3,297.98	3,202.37	3,161.51	20.97	13.97	-161.56	-126.10	329.23	812.40	782.63	29.77	27.289		
3,600.00	3,389.62	3,301.00	3,259.02	21.66	14.43	-162.71	-112.58	323.24	864.18	833.41	30.78	28.080		
3,700.00	3,481.26	3,411.89	3,369.02	22.36	14.93	-163.84	-99.94	317.13	914.08	882.16	31.92	28.637		
3,800.00	3,572.89	3,524.78	3,481.35	23.05	15.44	-164.86	-90.15	311.66	961.66	928.61	33.06	29.091		
3,900.00	3,664.53	3,628.76	3,585.01	23.75	15.89	-165.65	-83.03	307.91	1,007.53	973.45	34.08	29.565		
4,000.00	3,756.17	3,753.64	3,709.73	24.45	16.42	-166.32	-76.97	307.24	1,050.84	1,015.55	35.29	29.777		
4,100.00	3,847.80	3,851.02	3,807.05	25.14	16.83	-166.74	-73.61	308.29	1,092.63	1,056.40	36.22	30.163		
4,200.00	3,939.44	3,946.20	3,902.18	25.84	17.22	-167.11	-70.58	309.50	1,134.18	1,097.04	37.14	30.540		
4,300.00	4,031.08	4,044.48	4,000.43	26.54	17.63	-167.52	-68.46	309.80	1,175.17	1,137.10	38.08	30.861		
4,400.00	4,122.72	4,139.15	4,095.09	27.24	18.03	-167.94	-67.09	309.43	1,215.81	1,176.82	38.99	31.182		
4,500.00	4,214.35	4,244.98	4,200.91	27.94	18.46	-168.39	-66.14	308.98	1,256.06	1,216.07	39.99	31.409		
4,600.00	4,305.99	4,347.92	4,303.83	28.64	18.87	-168.87	-67.15	307.40	1,295.05	1,254.11	40.95	31.628		
4,700.00	4,397.63	4,452.84	4,408.72	29.35	19.28	-169.36	-69.11	305.51	1,333.46	1,291.55	41.91	31.819		
4,800.00	4,489.26	4,571.27	4,527.09	30.05	19.74	-169.86	-72.80	304.41	1,370.56	1,327.61	42.96	31.906		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
4,900.00	4,580.90	4,645.91	4,601.68	30.75	20.03	-170.14	-75.13	303.97	1,407.55	1,363.86	43.69	32.218		
5,000.00	4,672.54	4,722.25	4,678.01	31.45	20.33	-170.40	-76.62	303.75	1,445.52	1,401.09	44.43	32.536		
5,100.00	4,764.17	4,808.94	4,764.70	32.16	20.67	-170.65	-77.30	303.98	1,484.32	1,439.07	45.25	32.802		
5,200.00	4,855.81	4,901.80	4,857.56	32.86	21.03	-170.88	-77.85	304.59	1,523.18	1,477.06	46.12	33.024		
5,300.00	4,947.45	4,996.63	4,952.38	33.56	21.41	-171.11	-78.56	305.15	1,561.96	1,514.94	47.02	33.222		
5,400.00	5,039.08	5,092.01	5,047.76	34.27	21.79	-171.34	-79.59	305.47	1,600.56	1,552.65	47.91	33.406		
5,500.00	5,130.72	5,175.18	5,130.92	34.97	22.12	-171.54	-80.56	305.51	1,639.22	1,590.51	48.71	33.649		
5,600.00	5,222.36	5,250.88	5,206.61	35.68	22.43	-171.74	-81.06	304.75	1,678.70	1,629.24	49.46	33.941		
5,700.00	5,314.00	5,326.35	5,282.08	36.38	22.75	-171.92	-80.67	304.13	1,719.12	1,668.91	50.21	34.241		
5,800.00	5,405.63	5,410.16	5,365.88	37.08	23.10	-172.09	-79.62	303.54	1,760.13	1,709.09	51.03	34.489		
5,900.00	5,497.27	5,494.36	5,450.06	37.79	23.46	-172.28	-78.54	302.17	1,801.52	1,749.65	51.86	34.735		
6,000.00	5,588.91	5,634.44	5,590.12	38.50	24.04	-172.58	-77.96	300.56	1,842.12	1,788.92	53.20	34.627		
6,100.00	5,680.54	5,746.56	5,702.22	39.20	24.50	-172.78	-79.76	301.01	1,880.29	1,826.03	54.25	34.659		
6,200.00	5,772.18	5,826.55	5,782.20	39.91	24.82	-172.92	-81.02	301.05	1,918.72	1,863.69	55.03	34.866		
6,300.00	5,863.82	5,905.75	5,861.39	40.61	25.15	-173.02	-81.13	302.21	1,957.83	1,902.02	55.81	35.081		
6,400.00	5,955.45	5,989.45	5,945.09	41.32	25.49	-173.11	-80.89	303.20	1,997.40	1,940.78	56.63	35.273		
6,500.00	6,047.09	6,075.45	6,031.08	42.02	25.85	-173.22	-80.48	303.80	2,037.33	1,979.86	57.47	35.452		
6,600.00	6,138.73	6,175.54	6,131.17	42.73	26.26	-173.35	-80.25	304.18	2,077.18	2,018.75	58.43	35.548		
6,700.00	6,230.37	6,275.06	6,230.69	43.44	26.67	-173.48	-80.65	304.36	2,116.58	2,057.20	59.39	35.641		
6,712.03	6,241.39	6,285.15	6,240.79	43.52	26.71	-173.50	-80.71	304.36	2,121.32	2,061.83	59.49	35.661		
6,750.00	6,276.38	6,317.16	6,272.79	43.78	26.84	177.83	-80.86	304.35	2,135.89	2,076.09	59.79	35.721		
6,800.00	6,322.91	6,360.10	6,315.73	44.09	27.02	165.32	-81.02	304.26	2,153.86	2,093.66	60.20	35.778		
6,850.00	6,369.70	6,404.04	6,359.67	44.36	27.20	152.18	-81.13	304.15	2,170.35	2,109.74	60.61	35.809		
6,900.00	6,416.45	7,816.02	7,237.66	44.59	36.60	164.34	-66.19	1,109.96	2,176.00	2,105.39	70.62	30.814		
6,950.00	6,462.87	7,808.62	7,237.45	44.79	36.48	153.62	-66.43	1,102.56	2,174.59	2,103.45	71.14	30.570		
7,000.00	6,508.69	7,797.11	7,237.13	44.95	36.31	144.31	-66.83	1,091.06	2,174.11	2,102.56	71.55	30.387		
7,001.19	6,509.77	7,796.82	7,237.13	44.95	36.30	144.11	-66.84	1,090.77	2,174.11	2,102.55	71.56	30.383		
7,050.00	6,553.61	7,783.00	7,236.74	45.09	36.11	136.53	-67.32	1,076.96	2,174.52	2,102.63	71.89	30.247		
7,100.00	6,597.37	7,765.12	7,236.21	45.20	35.85	130.05	-67.93	1,059.10	2,175.76	2,103.62	72.14	30.160		
7,150.00	6,639.68	7,743.61	7,235.55	45.30	35.54	124.63	-68.67	1,037.61	2,177.71	2,105.41	72.30	30.120		
7,200.00	6,680.29	7,718.64	7,234.72	45.39	35.19	120.04	-69.53	1,012.68	2,180.28	2,107.89	72.38	30.122		
7,250.00	6,718.96	7,709.00	7,234.38	45.48	35.05	116.50	-69.85	1,003.05	2,183.39	2,110.68	72.71	30.028		
7,300.00	6,755.43	7,691.34	7,233.77	45.57	34.82	113.33	-70.33	985.40	2,187.03	2,114.11	72.92	29.993		
7,350.00	6,789.49	7,679.23	7,233.36	45.67	34.66	110.70	-70.51	973.30	2,191.23	2,118.01	73.22	29.926		
7,400.00	6,820.93	7,657.00	7,232.62	45.77	34.37	108.24	-70.53	951.09	2,195.94	2,122.58	73.37	29.931		
7,450.00	6,849.55	7,642.01	7,232.08	45.89	34.19	106.21	-70.40	936.11	2,200.89	2,127.22	73.67	29.875		
7,500.00	6,875.17	7,596.20	7,229.93	46.02	33.65	103.98	-70.01	890.35	2,205.75	2,132.23	73.52	30.001		
7,550.00	6,897.64	7,248.57	7,124.24	46.17	30.70	96.53	-77.80	563.98	2,206.83	2,137.06	69.77	31.629		
7,600.00	6,916.82	7,224.09	7,109.63	46.35	30.57	95.33	-78.76	544.36	2,206.19	2,136.09	70.10	31.472		
7,650.00	6,932.60	7,201.12	7,094.91	46.55	30.46	94.34	-79.46	526.74	2,205.27	2,134.79	70.49	31.285		
7,700.00	6,944.86	7,155.35	7,063.05	46.78	30.25	93.03	-80.48	493.92	2,204.01	2,133.30	70.71	31.170		
7,750.00	6,953.55	7,093.00	7,015.54	47.04	29.98	91.52	-82.19	453.63	2,201.89	2,131.09	70.80	31.100		
7,800.00	6,958.59	7,075.80	7,001.71	47.33	29.91	91.20	-82.66	443.42	2,199.21	2,127.80	71.41	30.798		
7,842.10	6,960.00	7,062.40	6,990.76	47.60	29.86	91.08	-82.94	435.69	2,196.68	2,124.71	71.97	30.523		
7,900.00	6,960.15	7,044.33	6,975.77	48.01	29.79	90.69	-83.20	425.60	2,193.64	2,120.85	72.79	30.136		
8,000.00	6,960.40	6,999.00	6,937.09	48.86	29.61	89.68	-83.23	401.99	2,191.55	2,117.37	74.18	29.544		
8,014.57	6,960.44	6,999.00	6,937.09	49.00	29.61	89.68	-83.23	401.99	2,191.50	2,117.03	74.47	29.427		
8,100.00	6,960.65	6,988.11	6,927.58	49.87	29.57	89.43	-83.13	396.68	2,193.12	2,117.06	76.06	28.834		
8,200.00	6,960.91	6,957.95	6,900.87	51.06	29.45	88.73	-82.73	382.68	2,198.72	2,120.89	77.83	28.251		
8,300.00	6,961.16	6,931.91	6,877.38	52.41	29.35	88.12	-82.26	371.45	2,208.27	2,128.57	79.70	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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11C-7-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	6,961.41	6,904.00	6,851.81	53.93	29.24	87.45	-81.65	360.30	2,221.84	2,140.27	81.58	27.236		
8,500.00	6,961.66	6,812.00	6,765.02	55.59	28.88	85.19	-81.97	329.97	2,238.77	2,156.01	82.77	27.050		
8,600.00	6,961.91	6,812.00	6,765.02	57.37	28.88	85.19	-81.97	329.97	2,259.40	2,174.46	84.94	26.601		
8,700.00	6,962.16	6,812.00	6,765.02	59.27	28.88	85.19	-81.97	329.97	2,284.22	2,197.16	87.05	26.239		
8,800.00	6,962.42	6,812.00	6,765.02	61.26	28.88	85.19	-81.97	329.97	2,313.10	2,224.00	89.10	25.961		
8,900.00	6,962.67	6,777.80	6,731.95	63.34	28.75	84.33	-82.71	321.31	2,345.04	2,254.32	90.72	25.850		
9,000.00	6,962.92	6,771.34	6,725.65	65.49	28.72	84.16	-82.78	319.85	2,381.20	2,288.67	92.53	25.735		
9,100.00	6,963.17	6,765.34	6,719.80	67.70	28.70	84.01	-82.81	318.53	2,420.90	2,326.65	94.24	25.687		
9,200.00	6,963.42	6,759.76	6,714.34	69.97	28.67	83.87	-82.83	317.36	2,463.97	2,368.11	95.86	25.704		
9,300.00	6,963.68	6,754.55	6,709.24	72.28	28.65	83.74	-82.83	316.30	2,510.24	2,412.86	97.37	25.779		
9,400.00	6,963.93	6,718.00	6,673.27	74.64	28.51	82.81	-82.39	309.87	2,560.34	2,461.83	98.51	25.991		
9,500.00	6,964.18	6,718.00	6,673.27	77.04	28.51	82.81	-82.39	309.87	2,612.30	2,512.44	99.87	26.158		
9,600.00	6,964.43	6,718.00	6,673.27	79.48	28.51	82.81	-82.39	309.87	2,667.01	2,565.88	101.12	26.374		
9,700.00	6,964.68	6,718.00	6,673.27	81.94	28.51	82.81	-82.39	309.87	2,724.28	2,622.00	102.28	26.635		
9,800.00	6,964.94	6,718.00	6,673.27	84.43	28.51	82.81	-82.39	309.87	2,783.98	2,680.63	103.34	26.939		
9,900.00	6,965.19	6,718.00	6,673.27	86.95	28.51	82.81	-82.39	309.87	2,845.93	2,741.61	104.32	27.281		
10,000.00	6,965.44	6,718.00	6,673.27	89.49	28.51	82.81	-82.39	309.87	2,910.00	2,804.79	105.21	27.658		
10,100.00	6,965.69	6,718.00	6,673.27	92.05	28.51	82.81	-82.39	309.87	2,976.06	2,870.03	106.03	28.069		
10,200.00	6,965.94	6,718.00	6,673.27	94.63	28.51	82.81	-82.39	309.87	3,043.96	2,937.19	106.77	28.509		
10,300.00	6,966.19	6,718.00	6,673.27	97.22	28.51	82.81	-82.39	309.87	3,113.60	3,006.15	107.45	28.977		
10,400.00	6,966.45	6,718.00	6,673.27	99.83	28.51	82.81	-82.39	309.87	3,184.85	3,076.79	108.07	29.471		
10,500.00	6,966.70	6,718.00	6,673.27	102.46	28.51	82.81	-82.39	309.87	3,257.62	3,148.99	108.63	29.989		
10,600.00	6,966.95	6,718.00	6,673.27	105.09	28.51	82.81	-82.39	309.87	3,331.80	3,222.66	109.14	30.528		
10,700.00	6,967.20	6,718.00	6,673.27	107.74	28.51	82.81	-82.39	309.87	3,407.30	3,297.70	109.60	31.088		
10,800.00	6,967.45	6,718.00	6,673.27	110.41	28.51	82.81	-82.39	309.87	3,484.03	3,374.01	110.02	31.666		
10,900.00	6,967.71	6,718.00	6,673.27	113.08	28.51	82.81	-82.39	309.87	3,561.92	3,451.51	110.41	32.262		
11,000.00	6,967.96	6,718.00	6,673.27	115.76	28.51	82.81	-82.39	309.87	3,640.89	3,530.14	110.75	32.874		
11,100.00	6,968.21	6,718.00	6,673.27	118.45	28.51	82.81	-82.39	309.87	3,720.87	3,609.80	111.07	33.501		
11,200.00	6,968.46	6,718.00	6,673.27	121.15	28.51	82.81	-82.39	309.87	3,801.80	3,690.44	111.35	34.142		
11,300.00	6,968.71	6,718.00	6,673.27	123.85	28.51	82.81	-82.39	309.87	3,883.61	3,772.00	111.61	34.796		
11,400.00	6,968.97	6,718.00	6,673.27	126.56	28.51	82.81	-82.39	309.87	3,966.26	3,854.42	111.85	35.461		
11,500.00	6,969.22	6,718.00	6,673.27	129.28	28.51	82.81	-82.39	309.87	4,049.70	3,937.64	112.06	36.139		
11,600.00	6,969.47	6,718.00	6,673.27	132.01	28.51	82.81	-82.39	309.87	4,133.87	4,021.61	112.25	36.826		
11,700.00	6,969.72	6,718.00	6,673.27	134.74	28.51	82.81	-82.39	309.87	4,218.72	4,106.30	112.43	37.524		
11,800.00	6,969.97	6,718.00	6,673.27	137.48	28.51	82.81	-82.39	309.87	4,304.23	4,191.65	112.59	38.231		
11,900.00	6,970.22	6,718.00	6,673.27	140.22	28.51	82.81	-82.39	309.87	4,390.36	4,277.63	112.73	38.946		
12,000.00	6,970.48	6,718.00	6,673.27	142.97	28.51	82.81	-82.39	309.87	4,477.06	4,364.20	112.86	39.669		
12,100.00	6,970.73	6,678.99	6,634.55	145.72	28.34	81.82	-81.73	305.22	4,563.13	4,450.30	112.83	40.444		
12,200.00	6,970.98	6,677.81	6,633.38	148.47	28.34	81.79	-81.72	305.12	4,650.81	4,537.88	112.93	41.183		
12,300.00	6,971.23	6,676.69	6,632.25	151.23	28.34	81.76	-81.70	305.02	4,738.98	4,625.95	113.03	41.929		
12,400.00	6,971.48	6,675.61	6,631.18	154.00	28.33	81.73	-81.69	304.94	4,827.60	4,714.49	113.11	42.680		
12,500.00	6,971.74	6,674.58	6,630.15	156.76	28.33	81.71	-81.68	304.85	4,916.66	4,803.47	113.19	43.438		
12,600.00	6,971.99	6,673.59	6,629.17	159.53	28.32	81.68	-81.67	304.77	5,006.13	4,892.87	113.26	44.201		
12,700.00	6,972.24	6,672.64	6,628.23	162.31	28.32	81.66	-81.66	304.70	5,095.99	4,982.67	113.32	44.969		
12,800.00	6,972.49	6,671.74	6,627.32	165.09	28.31	81.64	-81.66	304.63	5,186.22	5,072.84	113.38	45.742		
12,900.00	6,972.74	6,670.86	6,626.45	167.86	28.31	81.61	-81.65	304.57	5,276.81	5,163.37	113.43	46.520		
13,002.01	6,973.00	6,670.01	6,625.60	170.70	28.31	81.59	-81.64	304.50	5,369.55	5,256.07	113.48	47.318		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	128.40	-402.92	508.37	648.77					
100.00	100.00	94.70	94.69	3.28	3.29	128.51	-403.65	507.26	648.29	641.72	6.57	98.647		
200.00	200.00	200.33	200.23	3.34	3.32	128.88	-406.05	503.52	646.95	640.29	6.66	97.154		
300.00	300.00	304.24	304.06	3.44	3.42	129.12	-406.83	500.17	644.91	638.04	6.87	93.905		
400.00	399.98	425.23	424.96	3.60	3.60	-20.46	-403.25	497.16	639.52	632.30	7.22	88.568		
500.00	499.84	547.99	547.34	3.79	3.86	-20.93	-395.90	491.03	626.96	619.25	7.70	81.387		
600.00	599.45	649.24	648.06	4.02	4.11	-21.57	-387.89	484.45	608.87	600.68	8.19	74.361		
700.00	698.70	810.95	807.93	4.29	4.60	-22.85	-371.17	468.28	584.11	575.04	9.07	64.427		
800.00	797.47	902.99	897.88	4.60	4.91	-24.10	-357.21	454.70	549.31	539.69	9.62	57.074		
900.00	895.62	978.41	971.94	4.94	5.17	-25.44	-346.73	444.97	513.84	503.70	10.15	50.648		
1,000.00	993.06	1,058.68	1,051.17	5.31	5.46	-27.07	-337.59	435.96	478.35	467.62	10.74	44.548		
1,100.00	1,089.64	1,151.25	1,142.76	5.72	5.81	-29.23	-328.70	425.88	441.51	430.09	11.43	38.633		
1,200.00	1,185.27	1,245.49	1,235.92	6.17	6.18	-32.13	-319.39	415.09	401.77	389.62	12.16	33.046		
1,300.00	1,279.82	1,329.78	1,319.21	6.65	6.52	-35.74	-310.54	405.75	360.18	347.29	12.89	27.943		
1,400.00	1,373.17	1,416.02	1,404.54	7.17	6.87	-40.70	-301.59	397.02	318.23	304.56	13.68	23.268		
1,479.95	1,446.87	1,484.68	1,472.48	7.61	7.15	-45.92	-294.47	390.11	284.66	270.31	14.35	19.833		
1,500.00	1,465.24	1,501.74	1,489.36	7.72	7.22	-47.30	-292.64	388.40	276.38	261.85	14.53	19.019		
1,600.00	1,556.88	1,586.79	1,573.46	8.31	7.58	-55.44	-283.19	379.96	237.84	222.36	15.47	15.371		
1,700.00	1,648.52	1,670.13	1,655.83	8.92	7.93	-65.72	-273.51	371.82	206.01	189.47	16.54	12.456		
1,800.00	1,740.15	1,754.31	1,739.18	9.54	8.28	-78.18	-264.32	364.38	184.99	167.30	17.69	10.458		
1,900.00	1,831.79	1,840.29	1,824.32	10.17	8.65	-92.41	-255.13	356.66	177.28	158.49	18.78	9.438		
1,902.21	1,833.81	1,842.19	1,826.19	10.18	8.66	-92.73	-254.93	356.48	177.27	158.47	18.80	9.427 CC, ES		
2,000.00	1,923.43	1,923.40	1,906.54	10.81	9.01	-106.32	-245.69	349.08	185.03	165.39	19.64	9.422 SF		
2,100.00	2,015.06	2,009.51	1,991.75	11.46	9.38	-119.07	-235.78	341.64	206.77	186.47	20.30	10.188		
2,200.00	2,106.70	2,101.54	2,083.09	12.11	9.78	-129.80	-227.17	334.42	236.82	215.87	20.96	11.301		
2,300.00	2,198.34	2,194.22	2,175.36	12.78	10.17	-137.92	-221.20	328.12	270.69	249.05	21.64	12.509		
2,400.00	2,289.98	2,291.84	2,272.75	13.44	10.57	-144.31	-217.45	322.68	306.15	283.74	22.41	13.660		
2,500.00	2,381.61	2,391.87	2,372.67	14.11	10.97	-149.27	-216.67	318.22	341.25	318.02	23.22	14.693		
2,600.00	2,473.25	2,477.90	2,458.66	14.79	11.31	-152.53	-216.74	315.86	377.02	353.08	23.94	15.750		
2,700.00	2,564.89	2,579.67	2,560.38	15.47	11.72	-155.77	-217.16	312.75	413.58	388.77	24.81	16.670		
2,800.00	2,656.52	2,680.83	2,661.49	16.15	12.10	-158.17	-219.88	312.08	448.49	422.82	25.67	17.471		
2,900.00	2,748.16	2,754.85	2,735.50	16.83	12.39	-159.53	-220.91	312.68	484.79	458.47	26.32	18.416		
3,000.00	2,839.80	2,841.86	2,822.51	17.52	12.74	-161.02	-220.03	312.14	523.84	496.74	27.11	19.325		
3,100.00	2,931.43	2,951.28	2,931.91	18.20	13.18	-162.64	-220.22	311.58	562.21	534.11	28.11	20.004		
3,200.00	3,023.07	3,041.60	3,022.21	18.89	13.53	-163.67	-221.84	312.82	598.85	569.93	28.91	20.711		
3,300.00	3,114.71	3,123.99	3,104.57	19.58	13.85	-164.43	-222.19	314.52	636.67	607.01	29.66	21.465		
3,400.00	3,206.35	3,209.67	3,190.25	20.27	14.19	-165.18	-221.52	315.47	675.92	645.47	30.45	22.200		
3,500.00	3,297.98	3,300.74	3,281.32	20.97	14.56	-165.96	-220.66	315.58	715.68	684.38	31.30	22.866		
3,600.00	3,389.62	3,391.25	3,371.82	21.66	14.94	-166.71	-220.06	315.15	755.48	723.32	32.15	23.495		
3,700.00	3,481.26	3,481.13	3,461.70	22.36	15.31	-167.38	-219.29	314.55	795.59	762.58	33.01	24.103		
3,800.00	3,572.89	3,567.74	3,548.30	23.05	15.68	-168.00	-218.52	313.54	835.98	802.15	33.83	24.712		
3,900.00	3,664.53	3,668.05	3,648.59	23.75	16.09	-168.67	-217.25	312.06	876.93	842.14	34.79	25.207		
4,000.00	3,756.17	3,772.82	3,753.35	24.45	16.51	-169.17	-217.62	313.03	915.67	879.89	35.78	25.594		
4,100.00	3,847.80	3,858.36	3,838.87	25.14	16.85	-169.46	-217.44	315.07	954.53	917.95	36.58	26.094		
4,200.00	3,939.44	3,955.05	3,935.52	25.84	17.24	-169.75	-216.63	317.53	993.90	956.40	37.50	26.507		
4,300.00	4,031.08	4,064.47	4,044.91	26.54	17.68	-170.11	-217.64	319.70	1,031.95	993.43	38.52	26.788		
4,400.00	4,122.72	4,170.79	4,151.18	27.24	18.10	-170.53	-220.67	320.95	1,068.64	1,029.13	39.51	27.048		
4,500.00	4,214.35	4,260.56	4,240.88	27.94	18.46	-170.92	-224.11	321.15	1,104.86	1,064.51	40.36	27.377		
4,600.00	4,305.99	4,337.45	4,317.69	28.64	18.77	-171.32	-227.08	319.59	1,141.92	1,100.83	41.09	27.788		
4,700.00	4,397.63	4,416.30	4,396.47	29.35	19.10	-171.75	-229.29	316.96	1,180.38	1,138.53	41.85	28.207		
4,800.00	4,489.26	4,501.65	4,481.79	30.05	19.45	-172.11	-230.53	315.12	1,219.63	1,176.96	42.66	28.587		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 11N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 170-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
4,900.00	4,580.90	4,590.55	4,570.69	30.75	19.81	-172.36	-230.80	314.91	1,259.19	1,215.67	43.51	28.938		
5,000.00	4,672.54	4,681.19	4,661.32	31.45	20.18	-172.53	-230.19	316.20	1,298.96	1,254.58	44.38	29.267		
5,100.00	4,764.17	4,779.37	4,759.46	32.16	20.59	-172.65	-229.32	318.61	1,338.55	1,293.22	45.33	29.529		
5,200.00	4,855.81	4,872.24	4,852.28	32.86	20.97	-172.73	-228.77	321.51	1,377.65	1,331.42	46.23	29.802		
5,300.00	4,947.45	4,955.26	4,935.29	33.56	21.31	-172.87	-228.42	322.45	1,417.33	1,370.30	47.03	30.139		
5,400.00	5,039.08	5,054.23	5,034.26	34.27	21.72	-173.10	-228.80	322.10	1,456.93	1,408.94	47.99	30.361		
5,500.00	5,130.72	5,152.49	5,132.52	34.97	22.13	-173.35	-229.80	321.31	1,496.18	1,447.24	48.94	30.573		
5,600.00	5,222.36	5,250.01	5,230.01	35.68	22.53	-173.59	-231.37	320.52	1,534.94	1,485.06	49.88	30.773		
5,700.00	5,314.00	5,332.63	5,312.61	36.38	22.87	-173.81	-232.97	319.18	1,573.80	1,523.12	50.68	31.053		
5,800.00	5,405.63	5,403.03	5,382.98	37.08	23.17	-174.00	-233.70	317.49	1,613.71	1,562.35	51.36	31.419		
5,900.00	5,497.27	5,493.67	5,473.62	37.79	23.55	-174.19	-233.59	316.12	1,654.25	1,602.00	52.25	31.661		
6,000.00	5,588.91	5,575.34	5,555.28	38.50	23.90	-174.30	-232.74	315.92	1,695.08	1,642.03	53.05	31.955		
6,100.00	5,680.54	5,653.77	5,633.70	39.20	24.24	-174.40	-231.42	315.61	1,736.49	1,682.68	53.81	32.272		
6,200.00	5,772.18	5,773.75	5,753.66	39.91	24.75	-174.57	-229.72	314.92	1,777.85	1,722.84	55.00	32.322		
6,300.00	5,863.82	5,868.14	5,848.05	40.61	25.14	-174.65	-228.97	315.67	1,818.07	1,762.15	55.93	32.508		
6,400.00	5,955.45	5,975.40	5,955.30	41.32	25.59	-174.76	-228.67	316.54	1,857.88	1,800.91	56.97	32.611		
6,500.00	6,047.09	6,089.03	6,068.91	42.02	26.06	-174.91	-230.32	316.67	1,896.49	1,838.42	58.07	32.661		
6,600.00	6,138.73	6,169.09	6,148.96	42.73	26.39	-175.01	-231.60	317.00	1,934.93	1,876.08	58.85	32.881		
6,700.00	6,230.37	7,588.79	6,966.08	43.44	36.94	-152.52	-222.40	1,167.06	1,932.74	1,862.16	70.58	27.384		
6,712.03	6,241.39	7,590.72	6,965.98	43.52	36.98	-152.46	-222.34	1,168.99	1,932.36	1,861.57	70.79	27.298		
6,750.00	6,276.38	7,595.61	6,965.73	43.78	37.06	-159.60	-222.18	1,173.87	1,931.63	1,860.22	71.41	27.050		
6,770.39	6,295.31	7,597.21	6,965.64	43.91	37.08	-163.86	-222.13	1,175.47	1,931.53	1,859.82	71.71	26.935		
6,800.00	6,322.91	7,598.24	6,965.59	44.09	37.10	-170.52	-222.10	1,176.50	1,931.75	1,859.63	72.11	26.787		
6,850.00	6,369.70	7,596.44	6,965.68	44.36	37.07	177.42	-222.15	1,174.70	1,933.09	1,860.41	72.68	26.597		
6,900.00	6,416.45	7,590.12	6,966.01	44.59	36.97	165.26	-222.36	1,168.39	1,935.64	1,862.53	73.10	26.478		
6,950.00	6,462.87	7,579.23	6,966.59	44.79	36.79	153.96	-222.71	1,157.52	1,939.33	1,865.95	73.39	26.427		
7,000.00	6,508.69	7,563.74	6,967.43	44.95	36.53	144.03	-223.24	1,142.06	1,944.08	1,870.55	73.53	26.440		
7,050.00	6,553.61	7,544.49	6,968.50	45.09	36.22	135.60	-223.93	1,122.85	1,949.75	1,876.18	73.57	26.502		
7,100.00	6,597.37	7,522.08	6,969.75	45.20	35.89	128.49	-224.75	1,100.49	1,956.21	1,882.67	73.53	26.604		
7,150.00	6,639.68	7,495.91	6,971.20	45.30	35.49	122.45	-225.73	1,074.38	1,963.28	1,889.88	73.39	26.750		
7,200.00	6,680.29	7,466.15	6,972.83	45.39	35.04	117.26	-226.87	1,044.69	1,970.77	1,897.60	73.17	26.933		
7,250.00	6,718.96	7,442.10	6,974.11	45.48	34.71	112.96	-227.77	1,020.69	1,978.56	1,905.48	73.08	27.073		
7,300.00	6,755.43	7,418.23	6,975.31	45.57	34.39	109.26	-228.55	996.87	1,986.59	1,913.57	73.01	27.210		
7,350.00	6,789.49	7,392.64	6,976.50	45.67	34.04	106.01	-229.23	971.31	1,994.69	1,921.77	72.92	27.355		
7,400.00	6,820.93	7,365.00	6,977.68	45.77	33.67	103.15	-229.80	943.70	2,002.74	1,929.93	72.81	27.505		
7,450.00	6,849.55	7,334.46	6,978.01	45.89	33.30	100.59	-230.21	913.17	2,010.56	1,937.83	72.73	27.644		
7,500.00	6,875.17	7,304.27	6,976.57	46.02	32.94	98.34	-230.33	883.02	2,018.04	1,945.35	72.69	27.763		
7,550.00	6,897.64	7,271.00	6,972.93	46.17	32.54	96.31	-230.16	849.96	2,025.10	1,952.47	72.63	27.882		
7,600.00	6,916.82	7,245.95	6,968.86	46.35	32.27	94.64	-229.83	825.24	2,031.68	1,958.88	72.80	27.907		
7,650.00	6,932.60	7,217.40	6,962.94	46.55	31.97	93.15	-229.22	797.32	2,037.70	1,964.74	72.96	27.928		
7,700.00	6,944.86	7,189.19	6,955.77	46.78	31.67	91.89	-228.41	770.05	2,043.12	1,969.94	73.18	27.918		
7,750.00	6,953.55	7,162.43	6,947.80	47.04	31.41	90.85	-227.42	744.53	2,047.87	1,974.37	73.50	27.862		
7,800.00	6,958.59	7,136.48	6,939.16	47.33	31.18	90.04	-226.24	720.09	2,051.94	1,978.04	73.90	27.766		
7,842.10	6,960.00	7,114.60	6,931.19	47.60	30.98	89.51	-225.07	699.75	2,054.79	1,980.52	74.27	27.667		
7,900.00	6,960.15	7,090.50	6,921.69	48.01	30.76	89.24	-223.61	677.65	2,058.76	1,983.86	74.90	27.488		
8,000.00	6,960.40	6,948.97	6,849.46	48.86	29.78	87.23	-216.90	556.51	2,065.63	1,990.88	74.76	27.631		
8,100.00	6,960.65	6,876.63	6,802.41	49.87	29.38	85.92	-215.38	501.63	2,073.31	1,997.57	75.74	27.373		
8,200.00	6,960.91	6,833.25	6,771.65	51.06	29.17	85.07	-214.43	471.06	2,083.90	2,006.67	77.23	26.983		
8,300.00	6,961.16	6,771.76	6,725.12	52.41	28.88	83.79	-213.01	430.92	2,097.82	2,019.29	78.53	26.713		
8,400.00	6,961.41	6,628.58	6,602.33	53.93	28.30	80.41	-218.38	358.45	2,113.32	2,034.64	78.68	26.859		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,500.00	6,961.66	6,612.00	6,586.99	55.59	28.23	79.99	-219.98	352.36	2,131.59	2,050.94	80.65	26.431		
8,600.00	6,961.91	6,612.00	6,586.99	57.37	28.23	79.99	-219.98	352.36	2,154.33	2,071.51	82.82	26.013		
8,700.00	6,962.16	6,580.30	6,557.17	59.27	28.10	79.17	-223.06	342.09	2,180.69	2,096.22	84.48	25.815		
8,800.00	6,962.42	6,571.43	6,548.71	61.26	28.07	78.94	-223.85	339.53	2,211.47	2,125.08	86.39	25.599		
8,900.00	6,962.67	6,563.47	6,541.08	63.34	28.04	78.73	-224.54	337.36	2,246.17	2,157.95	88.22	25.461		
9,000.00	6,962.92	6,556.29	6,534.17	65.49	28.01	78.54	-225.14	335.50	2,284.63	2,194.67	89.96	25.395		
9,100.00	6,963.17	6,518.00	6,496.93	67.70	27.85	77.53	-228.00	327.14	2,327.53	2,236.34	91.19	25.524		
9,200.00	6,963.42	6,518.00	6,496.93	69.97	27.85	77.53	-228.00	327.14	2,372.73	2,279.90	92.82	25.562		
9,300.00	6,963.68	6,518.00	6,496.93	72.28	27.85	77.53	-228.00	327.14	2,421.22	2,326.88	94.34	25.665		
9,400.00	6,963.93	6,518.00	6,496.93	74.64	27.85	77.53	-228.00	327.14	2,472.80	2,377.06	95.74	25.828		
9,500.00	6,964.18	6,518.00	6,496.93	77.04	27.85	77.53	-228.00	327.14	2,527.29	2,430.26	97.03	26.046		
9,600.00	6,964.43	6,518.00	6,496.93	79.48	27.85	77.53	-228.00	327.14	2,584.50	2,486.29	98.22	26.314		
9,700.00	6,964.68	6,518.00	6,496.93	81.94	27.85	77.53	-228.00	327.14	2,644.26	2,544.96	99.30	26.628		
9,800.00	6,964.94	6,518.00	6,496.93	84.43	27.85	77.53	-228.00	327.14	2,706.40	2,606.10	100.30	26.984		
9,900.00	6,965.19	6,518.00	6,496.93	86.95	27.85	77.53	-228.00	327.14	2,770.75	2,669.55	101.20	27.379		
10,000.00	6,965.44	6,518.00	6,496.93	89.49	27.85	77.53	-228.00	327.14	2,837.16	2,735.14	102.02	27.809		
10,100.00	6,965.69	6,518.00	6,496.93	92.05	27.85	77.53	-228.00	327.14	2,905.50	2,802.73	102.77	28.272		
10,200.00	6,965.94	6,518.00	6,496.93	94.63	27.85	77.53	-228.00	327.14	2,975.64	2,872.19	103.45	28.765		
10,300.00	6,966.19	6,518.00	6,496.93	97.22	27.85	77.53	-228.00	327.14	3,047.44	2,943.37	104.06	29.285		
10,400.00	6,966.45	6,518.00	6,496.93	99.83	27.85	77.53	-228.00	327.14	3,120.79	3,016.17	104.62	29.830		
10,500.00	6,966.70	6,518.00	6,496.93	102.46	27.85	77.53	-228.00	327.14	3,195.59	3,090.46	105.12	30.398		
10,600.00	6,966.95	6,518.00	6,496.93	105.09	27.85	77.53	-228.00	327.14	3,271.73	3,166.15	105.58	30.988		
10,700.00	6,967.20	6,518.00	6,496.93	107.74	27.85	77.53	-228.00	327.14	3,349.13	3,243.14	105.99	31.598		
10,800.00	6,967.45	6,518.00	6,496.93	110.41	27.85	77.53	-228.00	327.14	3,427.70	3,321.34	106.37	32.226		
10,900.00	6,967.71	6,518.00	6,496.93	113.08	27.85	77.53	-228.00	327.14	3,507.36	3,400.66	106.70	32.870		
11,000.00	6,967.96	6,480.46	6,459.93	115.76	27.70	76.53	-230.18	321.17	3,586.89	3,480.15	106.74	33.604		
11,100.00	6,968.21	6,478.27	6,457.76	118.45	27.69	76.47	-230.29	320.88	3,668.38	3,561.37	107.01	34.281		
11,200.00	6,968.46	6,476.16	6,455.68	121.15	27.68	76.41	-230.39	320.60	3,750.76	3,643.51	107.25	34.972		
11,300.00	6,968.71	6,474.15	6,453.68	123.85	27.67	76.36	-230.48	320.35	3,833.98	3,726.51	107.47	35.675		
11,400.00	6,968.97	6,472.22	6,451.77	126.56	27.66	76.31	-230.57	320.10	3,917.97	3,810.30	107.67	36.390		
11,500.00	6,969.22	6,470.36	6,449.93	129.28	27.65	76.26	-230.65	319.88	4,002.69	3,894.85	107.84	37.116		
11,600.00	6,969.47	6,468.58	6,448.16	132.01	27.65	76.21	-230.73	319.66	4,088.10	3,980.09	108.00	37.851		
11,700.00	6,969.72	6,466.86	6,446.46	134.74	27.64	76.17	-230.80	319.46	4,174.15	4,066.00	108.15	38.596		
11,800.00	6,969.97	6,465.21	6,444.82	137.48	27.63	76.12	-230.87	319.27	4,260.80	4,152.52	108.28	39.349		
11,900.00	6,970.22	6,463.62	6,443.24	140.22	27.63	76.08	-230.93	319.09	4,348.03	4,239.63	108.40	40.111		
12,000.00	6,970.48	6,425.00	6,404.79	142.97	27.47	75.06	-232.13	315.70	4,436.90	4,328.61	108.28	40.975		
12,100.00	6,970.73	6,425.00	6,404.79	145.72	27.47	75.06	-232.13	315.70	4,525.07	4,416.68	108.39	41.747		
12,200.00	6,970.98	6,425.00	6,404.79	148.47	27.47	75.06	-232.13	315.70	4,613.73	4,505.24	108.49	42.526		
12,300.00	6,971.23	6,425.00	6,404.79	151.23	27.47	75.06	-232.13	315.70	4,702.84	4,594.26	108.58	43.311		
12,400.00	6,971.48	6,425.00	6,404.79	154.00	27.47	75.06	-232.13	315.70	4,792.38	4,683.72	108.67	44.102		
12,500.00	6,971.74	6,425.00	6,404.79	156.76	27.47	75.06	-232.13	315.70	4,882.33	4,773.59	108.74	44.899		
12,600.00	6,971.99	6,425.00	6,404.79	159.53	27.47	75.06	-232.13	315.70	4,972.66	4,863.86	108.81	45.702		
12,700.00	6,972.24	6,425.00	6,404.79	162.31	27.47	75.06	-232.13	315.70	5,063.36	4,954.49	108.87	46.509		
12,800.00	6,972.49	6,425.00	6,404.79	165.09	27.47	75.06	-232.13	315.70	5,154.40	5,045.47	108.92	47.321		
12,900.00	6,972.74	6,425.00	6,404.79	167.86	27.47	75.06	-232.13	315.70	5,245.76	5,136.79	108.97	48.138		
13,002.01	6,973.00	6,425.00	6,404.79	170.70	27.47	75.06	-232.13	315.70	5,339.29	5,230.27	109.02	48.975		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	129.78	-422.96	508.10	661.19					
100.00	100.00	77.79	77.78	3.28	3.29	129.80	-423.59	508.42	661.86	655.29	6.57	100.733		
200.00	200.00	174.45	174.41	3.34	3.31	129.89	-425.96	509.56	664.31	657.66	6.65	99.881		
300.00	300.00	295.28	295.21	3.44	3.43	130.06	-427.90	508.91	664.93	658.06	6.87	96.754		
400.00	399.98	431.47	431.26	3.60	3.64	-19.15	-427.53	503.12	659.94	652.67	7.28	90.702		
500.00	499.84	556.21	555.33	3.79	3.91	-18.84	-425.40	490.53	646.11	638.33	7.78	83.005		
600.00	599.45	653.15	651.52	4.02	4.16	-18.62	-423.66	478.63	627.46	619.20	8.26	76.006		
700.00	698.70	734.52	732.21	4.29	4.39	-18.34	-424.38	468.19	606.96	598.24	8.72	69.605		
800.00	797.47	808.30	805.38	4.60	4.62	-17.98	-428.30	459.64	586.94	577.72	9.22	63.671		
900.00	895.62	888.21	884.47	4.94	4.88	-17.43	-435.82	451.13	567.15	557.36	9.80	57.896		
1,000.00	993.06	973.85	969.17	5.31	5.18	-16.81	-445.79	443.34	546.78	536.34	10.44	52.379		
1,100.00	1,089.64	1,052.40	1,046.95	5.72	5.45	-16.42	-455.63	438.48	525.92	514.84	11.09	47.428		
1,200.00	1,185.27	1,130.00	1,123.72	6.17	5.73	-16.20	-466.69	436.49	505.55	493.79	11.76	42.981		
1,300.00	1,279.82	1,214.90	1,207.47	6.65	6.04	-16.07	-480.60	436.93	485.49	473.01	12.49	38.881		
1,400.00	1,373.17	1,308.08	1,299.18	7.17	6.39	-15.96	-497.07	438.06	463.60	450.33	13.27	34.938		
1,479.95	1,446.87	1,383.62	1,373.31	7.61	6.69	-15.81	-511.55	438.54	444.26	430.33	13.92	31.906		
1,500.00	1,465.24	1,402.72	1,392.04	7.72	6.76	-15.73	-515.33	438.61	439.19	425.10	14.09	31.163		
1,600.00	1,556.88	1,497.22	1,484.59	8.31	7.15	-15.26	-534.45	438.82	414.18	399.25	14.93	27.737		
1,700.00	1,648.52	1,592.21	1,577.46	8.92	7.55	-14.67	-554.38	439.14	389.80	374.00	15.79	24.680		
1,800.00	1,740.15	1,687.92	1,670.99	9.54	7.97	-14.00	-574.64	439.67	365.75	349.07	16.67	21.935		
1,900.00	1,831.79	1,784.25	1,765.03	10.17	8.40	-13.20	-595.55	440.42	342.28	324.71	17.57	19.481		
2,000.00	1,923.43	1,884.85	1,863.51	10.81	8.85	-12.42	-616.08	441.38	318.05	299.56	18.49	17.200		
2,100.00	2,015.06	1,984.48	1,961.20	11.46	9.30	-11.64	-635.57	442.39	293.30	273.89	19.41	15.109		
2,200.00	2,106.70	2,083.16	2,058.09	12.11	9.75	-10.57	-654.26	441.87	267.16	246.83	20.33	13.140		
2,300.00	2,198.34	2,178.33	2,151.53	12.78	10.19	-9.36	-672.36	441.77	241.44	220.19	21.25	11.363		
2,400.00	2,289.98	2,276.18	2,247.67	13.44	10.64	-8.05	-690.54	442.28	215.89	193.72	22.17	9.738		
2,500.00	2,381.61	2,373.36	2,343.13	14.11	11.09	-5.97	-708.73	441.27	189.68	166.60	23.08	8.217		
2,600.00	2,473.25	2,470.02	2,438.13	14.79	11.55	-3.36	-726.55	440.45	163.66	139.66	24.00	6.819		
2,700.00	2,564.89	2,566.01	2,532.56	15.47	12.00	-0.06	-743.77	440.03	137.83	112.92	24.92	5.531		
2,800.00	2,656.52	2,662.95	2,627.96	16.15	12.45	4.50	-760.99	440.11	112.72	86.87	25.85	4.361		
2,900.00	2,748.16	2,759.73	2,723.25	16.83	12.91	12.36	-777.83	438.81	87.86	61.01	26.85	3.272		
3,000.00	2,839.80	2,854.95	2,816.87	17.52	13.36	27.22	-794.86	435.58	66.05	37.82	28.23	2.340		
3,100.00	2,931.43	2,950.50	2,910.73	18.20	13.81	51.57	-812.52	432.63	52.76	22.30	30.46	1.732		
3,145.70	2,973.32	2,994.35	2,953.79	18.52	14.02	65.41	-820.68	431.31	51.16	19.51	31.65	1.617 CC, ES, SF		
3,200.00	3,023.07	3,046.70	3,005.23	18.89	14.28	81.62	-830.38	430.00	53.30	20.50	32.80	1.625		
3,300.00	3,114.71	3,142.82	3,099.68	19.58	14.74	105.00	-848.12	428.17	66.47	32.57	33.90	1.961		
3,400.00	3,206.35	3,239.33	3,194.50	20.27	15.20	119.41	-866.01	426.53	86.73	52.22	34.52	2.513		
3,500.00	3,297.98	3,336.38	3,289.91	20.97	15.67	128.42	-883.71	425.66	109.58	74.42	35.16	3.117		
3,600.00	3,389.62	3,433.54	3,385.55	21.66	16.13	134.62	-900.84	425.68	133.42	97.56	35.87	3.720		
3,700.00	3,481.26	3,530.01	3,480.53	22.36	16.59	139.00	-917.72	426.18	157.89	121.26	36.63	4.310		
3,800.00	3,572.89	3,626.56	3,575.68	23.05	17.05	142.39	-934.14	426.93	182.95	145.51	37.44	4.887		
3,900.00	3,664.53	3,717.71	3,665.65	23.75	17.48	144.97	-948.74	426.97	209.54	171.38	38.16	5.491		
4,000.00	3,756.17	3,811.33	3,757.99	24.45	17.93	146.75	-963.99	424.93	238.20	199.20	39.00	6.108		
4,100.00	3,847.80	3,908.38	3,853.38	25.14	18.40	147.73	-981.55	421.75	267.11	227.12	40.00	6.678		
4,200.00	3,939.44	4,002.58	3,945.80	25.84	18.86	148.31	-999.46	418.29	295.97	255.02	40.96	7.226		
4,300.00	4,031.08	4,100.42	4,041.67	26.54	19.34	148.69	-1,018.59	414.41	324.85	282.83	42.02	7.731		
4,400.00	4,122.72	4,197.41	4,136.59	27.24	19.82	148.93	-1,038.19	410.77	353.22	310.15	43.07	8.202		
4,500.00	4,214.35	4,295.78	4,232.86	27.94	20.31	149.15	-1,058.17	407.59	381.13	336.98	44.14	8.634		
4,600.00	4,305.99	4,390.78	4,325.99	28.64	20.78	149.47	-1,076.74	404.96	409.02	363.88	45.14	9.061		
4,700.00	4,397.63	4,497.22	4,430.19	29.35	21.31	149.76	-1,098.38	403.11	435.69	389.36	46.33	9.403		
4,800.00	4,489.26	4,597.90	4,528.49	30.05	21.82	149.94	-1,120.14	402.80	460.53	413.10	47.43	9.709		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 141-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,580.90	4,690.25	4,618.71	30.75	22.28	150.11	-1,139.80	402.20	485.82	437.41	48.41	10.036					
5,000.00	4,672.54	4,784.74	4,711.07	31.45	22.75	150.25	-1,159.75	401.12	511.61	462.19	49.42	10.352					
5,100.00	4,764.17	4,876.92	4,801.38	32.16	23.21	150.47	-1,178.17	400.01	538.04	487.66	50.38	10.679					
5,200.00	4,855.81	4,972.94	4,895.53	32.86	23.69	150.68	-1,196.99	398.22	565.21	513.81	51.40	10.995					
5,300.00	4,947.45	5,078.88	4,999.50	33.56	24.21	151.03	-1,217.30	398.10	591.18	538.63	52.55	11.250					
5,400.00	5,039.08	5,178.47	5,097.26	34.27	24.70	151.40	-1,236.25	399.24	616.19	562.60	53.59	11.498					
5,500.00	5,130.72	5,271.16	5,188.42	34.97	25.15	151.83	-1,252.93	400.91	641.27	586.74	54.53	11.761					
5,600.00	5,222.36	5,361.18	5,277.24	35.68	25.58	152.34	-1,267.45	402.53	667.36	611.95	55.41	12.045					
5,700.00	5,314.00	5,455.04	5,370.02	36.38	26.02	152.91	-1,281.53	404.12	694.19	637.87	56.33	12.324					
5,800.00	5,405.63	5,551.63	5,465.26	37.08	26.49	153.28	-1,297.69	404.64	721.07	663.76	57.31	12.581					
5,900.00	5,497.27	5,643.13	5,555.35	37.79	26.93	153.53	-1,313.71	404.44	748.15	689.90	58.25	12.844					
6,000.00	5,588.91	5,746.54	5,657.28	38.50	27.43	153.84	-1,331.03	404.11	775.78	716.44	59.34	13.073					
6,100.00	5,680.54	5,861.51	5,770.03	39.20	28.00	153.99	-1,353.53	404.71	801.12	740.52	60.60	13.221					
6,200.00	5,772.18	5,953.98	5,860.51	39.91	28.46	154.07	-1,372.57	405.55	825.62	764.03	61.58	13.407					
6,300.00	5,863.82	6,037.52	5,942.59	40.61	28.87	154.23	-1,388.09	406.31	851.24	788.81	62.43	13.634					
6,400.00	5,955.45	6,136.00	6,039.51	41.32	29.36	154.44	-1,405.57	406.56	877.87	814.40	63.47	13.832					
6,500.00	6,047.09	6,230.98	6,132.86	42.02	29.82	154.59	-1,423.09	406.88	904.03	839.56	64.46	14.024					
6,600.00	6,138.73	6,336.50	6,231.04	42.73	30.38	154.70	-1,441.22	407.06	929.62	868.12	65.50	14.216					
6,700.00	6,230.37	6,438.14	6,330.73	43.44	30.96	154.84	-1,460.66	407.24	956.66	897.66	66.50	14.416					
6,712.03	6,241.39	6,449.16	6,341.75	43.52	31.04	154.96	-1,468.89	407.36	965.06	906.06	66.61	14.466					
6,750.00	6,276.38	6,483.16	6,375.77	43.78	31.32	155.12	-1,480.82	407.60	980.57	921.57	66.81	14.566					
6,800.00	6,322.91	6,539.69	6,432.28	44.09	31.72	155.26	-1,498.73	407.84	1,000.06	941.06	67.01	14.666					
6,850.00	6,369.70	6,586.48	6,478.99	44.36	32.04	155.40	-1,516.66	408.08	1,019.57	960.57	67.21	14.766					
6,900.00	6,416.45	6,633.23	6,525.74	44.59	32.36	155.54	-1,534.59	408.32	1,039.08	980.08	67.41	14.866					
6,950.00	6,462.87	6,680.01	6,572.16	44.79	32.68	155.68	-1,552.52	408.56	1,058.59	1,000.59	67.61	14.966					
7,000.00	6,508.69	6,726.80	6,618.97	44.95	32.96	155.82	-1,570.45	408.80	1,078.10	1,020.10	67.81	15.066					
7,050.00	6,553.61	6,773.62	6,663.89	45.09	33.24	155.96	-1,588.38	409.04	1,100.61	1,042.61	68.01	15.166					
7,100.00	6,597.37	6,820.44	6,707.71	45.20	33.52	156.10	-1,606.30	409.28	1,122.12	1,065.12	68.21	15.266					
7,150.00	6,639.68	6,867.26	6,750.02	45.30	33.80	156.24	-1,624.23	409.52	1,144.63	1,087.63	68.41	15.366					
7,200.00	6,680.29	6,914.08	6,791.63	45.39	34.08	156.38	-1,642.16	409.76	1,167.14	1,110.14	68.61	15.466					
7,250.00	6,718.96	6,960.90	6,838.29	45.48	34.36	156.52	-1,660.09	410.00	1,189.65	1,132.65	68.81	15.566					
7,290.76	6,748.87	6,991.81	6,868.20	45.56	34.64	156.66	-1,678.02	410.24	1,212.16	1,155.16	68.96	15.666					
7,300.00	6,755.43	6,998.37	6,874.76	45.57	34.68	156.68	-1,680.00	410.28	1,216.00	1,159.00	69.00	15.680					
7,350.00	6,789.49	7,032.43	6,908.82	45.67	35.12	156.80	-1,694.63	410.40	1,230.66	1,173.66	69.12	15.766					
7,400.00	6,820.93	7,064.87	6,940.26	45.77	35.56	156.92	-1,709.26	410.52	1,245.32	1,188.32	69.24	15.866					
7,450.00	6,849.55	7,097.31	6,968.88	45.89	35.84	157.04	-1,726.89	410.64	1,260.98	1,203.98	69.36	15.966					
7,500.00	6,875.17	7,129.75	6,994.50	46.02	36.28	157.16	-1,744.51	410.76	1,276.64	1,219.64	69.48	16.066					
7,550.00	6,897.64	7,159.22	7,017.97	46.17	36.60	157.28	-1,762.14	410.88	1,292.30	1,235.30	69.60	16.166					
7,600.00	6,916.82	7,188.69	7,037.25	46.35	36.92	157.40	-1,779.77	411.00	1,307.96	1,250.96	69.72	16.266					
7,650.00	6,932.60	7,213.16	7,061.72	46.55	37.24	157.52	-1,797.40	411.12	1,323.62	1,266.62	69.84	16.366					
7,700.00	6,944.86	7,238.63	7,087.19	46.78	37.56	157.64	-1,815.03	411.24	1,339.28	1,282.28	69.96	16.466					
7,750.00	6,953.55	7,254.10	7,102.66	47.04	37.88	157.76	-1,832.66	411.36	1,354.94	1,297.94	70.08	16.566					
7,800.00	6,958.59	7,260.14	7,108.70	47.33	38.20	157.88	-1,850.29	411.48	1,370.60	1,313.60	70.20	16.666					
7,842.10	6,960.00	7,262.55	7,111.11	47.60	38.52	158.00	-1,867.92	411.60	1,386.26	1,329.26	70.32	16.766					
7,900.00	6,960.15	7,265.01	7,113.57	48.01	38.84	158.12	-1,885.55	411.72	1,401.92	1,344.92	70.44	16.866					
8,000.00	6,960.40	7,270.48	7,119.04	48.86	39.68	158.24	-1,920.18	411.84	1,436.56	1,379.56	70.56	17.066					
8,100.00	6,960.65	7,275.95	7,124.51	49.87	40.52	158.36	-1,954.80	411.96	1,471.20	1,414.20	70.68	17.266					
8,200.00	6,960.91	7,281.42	7,130.02	51.06	41.36	158.48	-1,989.42	412.08	1,505.84	1,448.84	70.80	17.466					
8,300.00	6,961.16	7,286.89	7,135.53	52.41	42.20	158.60	-2,024.04	412.20	1,540.48	1,483.48	70.92	17.666					
8,400.00	6,961.41	7,292.36	7,141.04	53.93	43.04	158.72	-2,058.66	412.32	1,575.12	1,518.12	71.04	17.866					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 15N-7A-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	6,961.66	6,815.00	6,674.17	55.59	32.32	69.78	-1,529.06	556.37	1,024.85	944.55	80.30	12.762		
8,600.00	6,961.91	6,773.37	6,640.69	57.37	32.17	67.76	-1,521.11	532.94	1,089.30	1,008.61	80.69	13.500		
8,700.00	6,962.16	6,743.76	6,616.24	59.27	32.07	66.34	-1,515.57	517.19	1,157.40	1,076.11	81.29	14.239		
8,800.00	6,962.42	6,720.00	6,596.25	61.26	31.98	65.21	-1,511.18	505.12	1,228.68	1,146.81	81.87	15.007		
8,900.00	6,962.67	6,695.28	6,575.11	63.34	31.89	64.04	-1,506.66	493.14	1,302.82	1,220.47	82.35	15.820		
9,000.00	6,962.92	6,675.32	6,557.77	65.49	31.81	63.11	-1,503.01	483.94	1,379.52	1,296.70	82.82	16.657		
9,100.00	6,963.17	6,657.09	6,541.75	67.70	31.75	62.28	-1,499.68	475.91	1,458.45	1,375.22	83.22	17.524		
9,200.00	6,963.42	6,627.00	6,514.92	69.97	31.63	60.91	-1,494.21	463.44	1,539.50	1,456.11	83.39	18.462		
9,300.00	6,963.68	6,627.00	6,514.92	72.28	31.63	60.91	-1,494.21	463.44	1,621.97	1,538.06	83.91	19.331		
9,400.00	6,963.93	6,627.00	6,514.92	74.64	31.63	60.91	-1,494.21	463.44	1,706.32	1,622.00	84.32	20.235		
9,500.00	6,964.18	6,627.00	6,514.92	77.04	31.63	60.91	-1,494.21	463.44	1,792.28	1,707.63	84.66	21.171		
9,600.00	6,964.43	6,592.85	6,483.89	79.48	31.49	59.40	-1,487.93	450.65	1,878.51	1,793.87	84.64	22.195		
9,700.00	6,964.68	6,583.61	6,475.39	81.94	31.45	59.00	-1,486.20	447.47	1,966.38	1,881.56	84.82	23.183		
9,800.00	6,964.94	6,575.03	6,467.45	84.43	31.42	58.63	-1,484.59	444.62	2,055.22	1,970.25	84.97	24.187		
9,900.00	6,965.19	6,567.04	6,460.04	86.95	31.39	58.29	-1,483.08	442.07	2,144.92	2,059.81	85.10	25.204		
10,000.00	6,965.44	6,533.00	6,428.13	89.49	31.25	56.86	-1,476.57	432.19	2,236.05	2,150.99	85.05	26.290		
10,100.00	6,965.69	6,533.00	6,428.13	92.05	31.25	56.86	-1,476.57	432.19	2,326.89	2,241.69	85.20	27.309		
10,200.00	6,965.94	6,533.00	6,428.13	94.63	31.25	56.86	-1,476.57	432.19	2,418.46	2,333.13	85.33	28.343		
10,300.00	6,966.19	6,533.00	6,428.13	97.22	31.25	56.86	-1,476.57	432.19	2,510.67	2,425.24	85.43	29.388		
10,400.00	6,966.45	6,533.00	6,428.13	99.83	31.25	56.86	-1,476.57	432.19	2,603.46	2,517.94	85.52	30.444		
10,500.00	6,966.70	6,533.00	6,428.13	102.46	31.25	56.86	-1,476.57	432.19	2,696.76	2,611.17	85.59	31.509		
10,600.00	6,966.95	6,533.00	6,428.13	105.09	31.25	56.86	-1,476.57	432.19	2,790.53	2,704.88	85.64	32.583		
10,700.00	6,967.20	6,533.00	6,428.13	107.74	31.25	56.86	-1,476.57	432.19	2,884.71	2,799.02	85.69	33.664		
10,800.00	6,967.45	6,533.00	6,428.13	110.41	31.25	56.86	-1,476.57	432.19	2,979.28	2,893.55	85.73	34.752		
10,900.00	6,967.71	6,533.00	6,428.13	113.08	31.25	56.86	-1,476.57	432.19	3,074.19	2,988.43	85.76	35.846		
11,000.00	6,967.96	6,533.00	6,428.13	115.76	31.25	56.86	-1,476.57	432.19	3,169.41	3,083.62	85.79	36.945		
11,100.00	6,968.21	6,533.00	6,428.13	118.45	31.25	56.86	-1,476.57	432.19	3,264.91	3,179.11	85.81	38.049		
11,200.00	6,968.46	6,533.00	6,428.13	121.15	31.25	56.86	-1,476.57	432.19	3,360.68	3,274.86	85.82	39.157		
11,300.00	6,968.71	6,533.00	6,428.13	123.85	31.25	56.86	-1,476.57	432.19	3,456.69	3,370.85	85.84	40.269		
11,400.00	6,968.97	6,533.00	6,428.13	126.56	31.25	56.86	-1,476.57	432.19	3,552.92	3,467.07	85.85	41.385		
11,500.00	6,969.22	6,533.00	6,428.13	129.28	31.25	56.86	-1,476.57	432.19	3,649.35	3,563.49	85.86	42.503		
11,600.00	6,969.47	6,491.70	6,388.72	132.01	31.06	55.18	-1,468.71	422.72	3,744.25	3,658.42	85.83	43.622		
11,700.00	6,969.72	6,489.23	6,386.33	134.74	31.05	55.08	-1,468.24	422.25	3,840.84	3,754.99	85.85	44.741		
11,800.00	6,969.97	6,486.86	6,384.05	137.48	31.04	54.99	-1,467.80	421.81	3,937.58	3,851.73	85.86	45.863		
11,900.00	6,970.22	6,484.60	6,381.86	140.22	31.03	54.90	-1,467.38	421.39	4,034.47	3,948.61	85.86	46.986		
12,000.00	6,970.48	6,482.44	6,379.77	142.97	31.02	54.81	-1,466.98	421.01	4,131.50	4,045.63	85.87	48.111		
12,100.00	6,970.73	6,480.36	6,377.77	145.72	31.01	54.73	-1,466.59	420.65	4,228.66	4,142.78	85.88	49.237		
12,200.00	6,970.98	6,440.00	6,338.47	148.47	30.83	53.16	-1,459.25	415.14	4,327.41	4,241.54	85.87	50.397		
12,300.00	6,971.23	6,440.00	6,338.47	151.23	30.83	53.16	-1,459.25	415.14	4,424.66	4,338.78	85.88	51.521		
12,400.00	6,971.48	6,440.00	6,338.47	154.00	30.83	53.16	-1,459.25	415.14	4,522.03	4,436.13	85.90	52.646		
12,500.00	6,971.74	6,440.00	6,338.47	156.76	30.83	53.16	-1,459.25	415.14	4,619.51	4,533.60	85.91	53.772		
12,600.00	6,971.99	6,440.00	6,338.47	159.53	30.83	53.16	-1,459.25	415.14	4,717.10	4,631.18	85.92	54.899		
12,700.00	6,972.24	6,440.00	6,338.47	162.31	30.83	53.16	-1,459.25	415.14	4,814.79	4,728.85	85.94	56.027		
12,800.00	6,972.49	6,440.00	6,338.47	165.09	30.83	53.16	-1,459.25	415.14	4,912.57	4,826.62	85.95	57.156		
12,900.00	6,972.74	6,440.00	6,338.47	167.86	30.83	53.16	-1,459.25	415.14	5,010.44	4,924.47	85.96	58.285		
13,002.01	6,973.00	6,440.00	6,338.47	170.70	30.83	53.16	-1,459.25	415.14	5,110.36	5,024.38	85.98	59.437		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 250-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	137.97	-562.84	507.26	757.78					
100.00	100.00	94.37	94.37	3.28	3.29	137.97	-562.56	507.08	757.39	750.81	6.57	115.254		
200.00	200.00	200.40	200.39	3.34	3.31	137.95	-561.56	506.43	756.28	749.63	6.65	113.770		
300.00	300.00	307.84	307.81	3.44	3.38	137.90	-559.54	505.53	754.32	747.50	6.83	110.519		
400.00	399.98	420.16	420.02	3.60	3.53	-11.78	-554.75	505.38	749.37	742.24	7.13	105.035		
500.00	499.84	524.49	524.18	3.79	3.72	-12.19	-548.81	504.86	739.73	732.20	7.52	98.311		
600.00	599.45	609.08	608.69	4.02	3.91	-12.46	-545.66	503.48	727.40	719.46	7.94	91.656		
700.00	698.70	696.51	696.08	4.29	4.12	-12.58	-545.53	501.15	713.58	705.16	8.42	84.783		
800.00	797.47	784.74	784.14	4.60	4.36	-12.44	-549.02	496.86	697.88	688.93	8.95	77.971		
900.00	895.62	880.77	879.55	4.94	4.64	-11.93	-556.82	489.38	679.91	670.36	9.56	71.140		
1,000.00	993.06	977.11	974.76	5.31	4.95	-11.11	-567.20	479.03	658.70	648.49	10.21	64.485		
1,100.00	1,089.64	1,069.76	1,065.77	5.72	5.27	-10.02	-579.54	466.88	634.71	623.80	10.91	58.190		
1,200.00	1,185.27	1,161.11	1,155.25	6.17	5.61	-8.77	-592.97	454.29	608.31	596.67	11.64	52.275		
1,300.00	1,279.82	1,252.93	1,244.96	6.65	5.97	-7.33	-607.51	441.17	579.52	567.12	12.40	46.731		
1,400.00	1,373.17	1,349.69	1,339.27	7.17	6.36	-5.54	-623.45	426.61	547.94	534.73	13.21	41.465		
1,479.95	1,446.87	1,426.73	1,414.32	7.61	6.69	-3.90	-635.82	414.36	520.11	506.23	13.88	37.463		
1,500.00	1,465.24	1,445.72	1,432.83	7.72	6.77	-3.46	-638.79	411.33	512.87	498.82	14.05	36.492		
1,600.00	1,556.88	1,542.58	1,527.40	8.31	7.20	-1.09	-653.20	396.10	476.66	461.76	14.90	31.997		
1,700.00	1,648.52	1,636.08	1,619.07	8.92	7.61	1.34	-665.44	382.42	440.25	424.51	15.74	27.965		
1,800.00	1,740.15	1,726.03	1,707.70	9.54	8.00	3.71	-676.05	371.32	404.52	387.93	16.59	24.383		
1,900.00	1,831.79	1,814.64	1,795.38	10.17	8.38	6.00	-685.95	363.28	370.29	352.85	17.45	21.226		
2,000.00	1,923.43	1,906.66	1,886.72	10.81	8.77	8.31	-695.72	357.90	337.40	319.08	18.31	18.423		
2,100.00	2,015.06	2,010.44	1,989.88	11.46	9.21	11.35	-705.48	352.08	304.20	285.01	19.18	15.857		
2,200.00	2,106.70	2,106.12	2,085.13	12.11	9.61	14.95	-711.48	345.44	268.56	248.49	20.07	13.380		
2,300.00	2,198.34	2,197.46	2,176.13	12.78	10.00	19.19	-717.04	339.85	234.09	213.08	21.01	11.143		
2,400.00	2,289.98	2,289.32	2,267.70	13.44	10.39	24.52	-722.70	335.25	201.42	179.42	22.00	9.155		
2,500.00	2,381.61	2,387.27	2,365.41	14.11	10.80	32.10	-727.79	330.81	170.16	147.13	23.04	7.387		
2,600.00	2,473.25	2,480.56	2,458.63	14.79	11.19	41.90	-729.79	327.81	139.48	115.21	24.27	5.748		
2,700.00	2,564.89	2,572.39	2,550.41	15.47	11.57	55.65	-731.82	325.31	114.58	88.78	25.79	4.442		
2,800.00	2,656.52	2,664.49	2,642.45	16.15	11.95	74.43	-733.62	322.80	99.58	72.07	27.50	3.621		
2,851.60	2,703.81	2,711.80	2,689.74	16.50	12.14	85.48	-734.34	321.50	97.38	69.10	28.28	3.443 CC, ES, SF		
2,900.00	2,748.16	2,755.88	2,733.79	16.83	12.33	95.83	-734.98	320.20	99.36	70.53	28.83	3.446		
3,000.00	2,839.80	2,848.74	2,826.61	17.52	12.71	115.17	-736.04	317.62	114.29	84.83	29.46	3.880		
3,100.00	2,931.43	2,941.03	2,918.90	18.20	13.09	129.82	-735.89	316.49	138.60	108.80	29.80	4.652		
3,200.00	3,023.07	3,032.04	3,009.89	18.89	13.46	139.87	-735.75	315.41	169.31	139.13	30.18	5.611		
3,300.00	3,114.71	3,123.35	3,101.19	19.58	13.84	146.79	-735.88	314.01	203.71	173.00	30.71	6.633		
3,400.00	3,206.35	3,214.72	3,192.56	20.27	14.22	151.76	-735.99	312.71	240.01	208.66	31.35	7.656		
3,500.00	3,297.98	3,305.90	3,283.72	20.97	14.60	155.42	-736.13	311.29	277.58	245.52	32.06	8.659		
3,600.00	3,389.62	3,396.86	3,374.68	21.66	14.98	158.26	-736.08	309.97	315.97	283.16	32.80	9.632		
3,700.00	3,481.26	3,487.09	3,464.89	22.36	15.35	160.56	-735.53	308.82	355.10	321.54	33.56	10.581		
3,800.00	3,572.89	3,577.81	3,555.60	23.05	15.72	162.46	-734.58	307.68	394.89	360.54	34.34	11.498		
3,900.00	3,664.53	3,669.36	3,647.14	23.75	16.09	164.05	-733.65	306.71	434.85	399.69	35.16	12.366		
4,000.00	3,756.17	3,762.04	3,739.81	24.45	16.48	165.36	-732.86	305.58	475.04	439.01	36.02	13.188		
4,100.00	3,847.80	3,861.16	3,838.94	25.14	16.88	166.59	-732.47	305.39	514.45	477.47	36.98	13.910		
4,200.00	3,939.44	3,957.91	3,935.66	25.84	17.25	167.81	-732.00	307.52	552.59	514.71	37.88	14.587		
4,300.00	4,031.08	4,048.30	4,026.03	26.54	17.60	168.78	-731.67	309.45	590.87	552.19	38.69	15.274		
4,400.00	4,122.72	4,140.59	4,118.30	27.24	17.96	169.63	-731.45	311.06	629.43	589.91	39.53	15.925		
4,500.00	4,214.35	4,233.64	4,211.34	27.94	18.33	170.33	-731.77	312.45	667.82	627.44	40.39	16.536		
4,600.00	4,305.99	4,324.35	4,302.04	28.64	18.69	170.90	-732.26	313.31	706.46	665.24	41.22	17.137		
4,700.00	4,397.63	4,418.76	4,396.45	29.35	19.07	171.39	-733.17	313.93	745.02	702.90	42.12	17.687		
4,800.00	4,489.26	4,512.13	4,489.81	30.05	19.45	171.79	-734.52	314.39	783.37	740.35	43.02	18.211		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 250-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)					
4,900.00	4,580.90	4,603.51	4,581.17	30.75	19.83	172.14	-735.94	314.68		821.76	777.87	43.89	18.724				
5,000.00	4,672.54	4,698.08	4,675.74	31.45	20.22	172.46	-737.35	314.96		860.23	815.43	44.80	19.200				
5,100.00	4,764.17	4,797.56	4,775.17	32.16	20.63	172.75	-739.88	315.46		897.83	852.04	45.79	19.608				
5,200.00	4,855.81	4,881.83	4,859.42	32.86	20.99	172.92	-742.25	315.13		935.75	889.17	46.58	20.088				
5,300.00	4,947.45	4,965.96	4,943.51	33.56	21.35	173.05	-744.26	314.03		974.50	927.12	47.38	20.568				
5,400.00	5,039.08	5,053.70	5,031.22	34.27	21.73	173.18	-745.92	312.58	1,013.81	965.58	48.23	21.022					
5,500.00	5,130.72	5,146.95	5,124.45	34.97	22.13	173.32	-747.45	311.12	1,053.26	1,004.11	49.15	21.430					
5,600.00	5,222.36	5,222.51	5,200.00	35.68	22.45	173.46	-747.83	310.25	1,093.33	1,043.51	49.82	21.945					
5,700.00	5,314.00	5,299.25	5,276.73	36.38	22.77	173.67	-746.67	309.61	1,134.72	1,084.22	50.50	22.469					
5,800.00	5,405.63	5,381.55	5,359.00	37.08	23.11	173.89	-744.57	308.59	1,177.09	1,125.84	51.26	22.965					
5,900.00	5,497.27	5,468.24	5,445.65	37.79	23.47	174.10	-742.13	307.26	1,219.83	1,167.76	52.08	23.424					
6,000.00	5,588.91	5,571.87	5,549.22	38.50	23.90	174.27	-739.89	304.71	1,262.66	1,209.52	53.14	23.759					
6,100.00	5,680.54	5,696.81	5,674.13	39.20	24.44	174.41	-740.28	302.42	1,303.24	1,248.75	54.49	23.916					
6,200.00	5,772.18	5,797.61	5,774.91	39.91	24.87	174.51	-741.98	301.40	1,342.39	1,286.88	55.51	24.183					
6,300.00	5,863.82	5,864.45	5,841.74	40.61	25.16	174.59	-742.61	300.83	1,382.06	1,325.96	56.09	24.638					
6,400.00	5,955.45	5,941.92	5,919.20	41.32	25.48	174.71	-741.72	299.84	1,423.43	1,366.62	56.81	25.057					
6,500.00	6,047.09	6,044.13	6,021.40	42.02	25.91	174.86	-740.74	298.78	1,464.59	1,406.74	57.84	25.320					
6,600.00	6,138.73	6,140.01	6,117.28	42.73	26.32	174.99	-740.31	298.13	1,505.18	1,446.38	58.80	25.600					
6,700.00	6,230.37	6,230.19	6,207.46	43.44	26.70	175.11	-739.91	297.57	1,545.75	1,486.07	59.68	25.901					
6,712.03	6,241.39	6,240.99	6,218.25	43.52	26.75	175.12	-739.85	297.50	1,550.64	1,490.85	59.78	25.937					
6,750.00	6,276.38	7,765.43	7,146.54	43.78	37.76	-161.27	-736.74	1,185.77	1,558.55	1,491.02	67.53	23.079					
6,800.00	6,322.91	7,769.65	7,146.61	44.09	37.83	-171.08	-736.76	1,189.99	1,547.44	1,478.68	68.76	22.506					
6,850.00	6,369.70	7,771.25	7,146.64	44.36	37.85	177.99	-736.76	1,191.59	1,537.76	1,467.87	69.89	22.002					
6,900.00	6,416.45	7,770.15	7,146.62	44.59	37.83	166.94	-736.76	1,190.48	1,529.62	1,458.70	70.92	21.568					
6,950.00	6,462.87	7,766.23	7,146.55	44.79	37.77	156.73	-736.74	1,186.57	1,523.08	1,451.25	71.84	21.202					
7,000.00	6,508.69	7,759.42	7,146.45	44.95	37.66	147.87	-736.71	1,179.76	1,518.18	1,445.55	72.63	20.903					
7,050.00	6,553.61	7,749.65	7,146.33	45.09	37.50	140.42	-736.66	1,169.99	1,514.90	1,441.60	73.30	20.667					
7,100.00	6,597.37	7,736.89	7,146.23	45.20	37.29	134.20	-736.58	1,157.24	1,513.20	1,439.35	73.85	20.491					
7,131.91	6,624.55	7,727.18	7,146.20	45.27	37.13	130.75	-736.51	1,147.52	1,512.90	1,438.77	74.13	20.408					
7,150.00	6,639.68	7,721.12	7,146.21	45.30	37.03	128.95	-736.46	1,141.47	1,512.99	1,438.72	74.27	20.371					
7,200.00	6,680.29	7,703.41	7,146.30	45.39	36.74	124.48	-736.30	1,123.75	1,514.17	1,439.57	74.60	20.298					
7,250.00	6,718.96	7,665.66	7,146.47	45.48	36.18	120.05	-735.96	1,086.00	1,516.45	1,441.92	74.53	20.346					
7,300.00	6,755.43	7,624.90	7,146.13	45.57	35.58	116.10	-735.71	1,045.25	1,519.46	1,445.09	74.37	20.431					
7,350.00	6,789.49	7,585.93	7,145.21	45.67	35.03	112.68	-735.53	1,006.29	1,522.99	1,448.75	74.24	20.515					
7,400.00	6,820.93	7,549.31	7,143.37	45.77	34.54	109.70	-735.18	969.72	1,526.97	1,452.82	74.15	20.592					
7,450.00	6,849.55	7,512.55	7,140.48	45.89	34.05	107.05	-734.62	933.08	1,531.27	1,457.21	74.06	20.675					
7,500.00	6,875.17	7,450.65	7,133.60	46.02	33.32	104.11	-733.73	871.58	1,535.45	1,461.83	73.62	20.857					
7,550.00	6,897.64	7,393.62	7,124.95	46.17	32.69	101.62	-733.30	815.22	1,539.03	1,465.74	73.30	20.997					
7,600.00	6,916.82	7,346.21	7,113.71	46.35	32.21	99.56	-732.65	769.17	1,542.16	1,468.96	73.19	21.069					
7,650.00	6,932.60	7,248.69	7,078.47	46.55	31.35	96.48	-731.37	678.37	1,544.57	1,472.17	72.40	21.333					
7,700.00	6,944.86	7,125.07	7,013.83	46.78	30.50	92.77	-733.93	573.31	1,544.31	1,473.00	71.31	21.657					
7,750.00	6,953.55	7,100.25	6,998.44	47.04	30.36	91.90	-734.76	553.84	1,543.16	1,471.43	71.72	21.516					
7,800.00	6,958.59	7,075.11	6,982.27	47.33	30.23	91.18	-735.39	534.61	1,541.80	1,469.61	72.19	21.358					
7,842.10	6,960.00	7,053.74	6,968.04	47.60	30.11	90.70	-735.76	518.66	1,540.45	1,467.83	72.62	21.213					
7,900.00	6,960.15	7,022.53	6,946.51	48.01	29.96	89.90	-736.06	496.07	1,539.13	1,465.89	73.24	21.015					
7,929.76	6,960.22	7,005.43	6,934.30	48.25	29.88	89.44	-736.15	484.12	1,538.96	1,465.38	73.58	20.916					
8,000.00	6,960.40	6,968.47	6,906.85	48.86	29.71	88.42	-736.22	459.36	1,539.98	1,465.56	74.42	20.693					
8,100.00	6,960.65	6,913.93	6,863.90	49.87	29.48	86.82	-736.10	425.78	1,545.14	1,469.47	75.68	20.417					
8,200.00	6,960.91	6,861.46	6,819.71	51.06	29.27	85.18	-736.44	397.54	1,554.63	1,477.61	77.02	20.185					
8,300.00	6,961.16	6,813.98	6,777.82	52.41	29.09	83.63	-737.23	375.19	1,568.90	1,490.45	78.45	19.999					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Falken 9-11 PAD - Fagerberg 23N-7C-M - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		250-MWD+IFR1											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	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)				
8,400.00	6,961.41	6,768.91	6,737.37	53.93	28.91	82.14	-738.35	355.36	1,588.01	1,508.11	79.90	19.876			
8,500.00	6,961.66	6,753.00	6,722.95	55.59	28.85	81.61	-738.84	348.67	1,612.17	1,530.39	81.78	19.713			
8,600.00	6,961.91	6,753.00	6,722.95	57.37	28.85	81.61	-738.84	348.67	1,642.00	1,558.17	83.83	19.588			
8,700.00	6,962.16	6,716.67	6,689.42	59.27	28.71	80.38	-739.71	334.74	1,676.09	1,590.92	85.17	19.679			
8,800.00	6,962.42	6,705.66	6,679.07	61.26	28.67	80.00	-739.87	330.99	1,715.58	1,628.80	86.78	19.769			
8,900.00	6,962.67	6,695.86	6,669.79	63.34	28.63	79.66	-739.96	327.83	1,759.67	1,671.41	88.26	19.937			
9,000.00	6,962.92	6,659.00	6,634.39	65.49	28.49	78.39	-739.95	317.59	1,808.83	1,719.62	89.21	20.275			
9,100.00	6,963.17	6,659.00	6,634.39	67.70	28.49	78.39	-739.95	317.59	1,860.85	1,770.30	90.55	20.550			
9,200.00	6,963.42	6,659.00	6,634.39	69.97	28.49	78.39	-739.95	317.59	1,916.68	1,824.94	91.74	20.892			
9,300.00	6,963.68	6,659.00	6,634.39	72.28	28.49	78.39	-739.95	317.59	1,976.00	1,883.21	92.78	21.297			
9,400.00	6,963.93	6,659.00	6,634.39	74.64	28.49	78.39	-739.95	317.59	2,038.50	1,944.80	93.70	21.756			
9,500.00	6,964.18	6,659.00	6,634.39	77.04	28.49	78.39	-739.95	317.59	2,103.89	2,009.40	94.49	22.265			
9,600.00	6,964.43	6,659.00	6,634.39	79.48	28.49	78.39	-739.95	317.59	2,171.93	2,076.74	95.18	22.819			
9,700.00	6,964.68	6,659.00	6,634.39	81.94	28.49	78.39	-739.95	317.59	2,242.36	2,146.58	95.78	23.412			
9,800.00	6,964.94	6,659.00	6,634.39	84.43	28.49	78.39	-739.95	317.59	2,314.96	2,218.67	96.29	24.041			
9,900.00	6,965.19	6,625.44	6,601.67	86.95	28.35	77.22	-739.64	310.15	2,388.72	2,292.26	96.46	24.764			
10,000.00	6,965.44	6,620.00	6,596.34	89.49	28.33	77.04	-739.59	309.08	2,464.82	2,368.01	96.81	25.460			
10,100.00	6,965.69	6,614.94	6,591.37	92.05	28.31	76.86	-739.53	308.12	2,542.53	2,445.41	97.11	26.181			
10,200.00	6,965.94	6,610.21	6,586.72	94.63	28.29	76.70	-739.48	307.25	2,621.71	2,524.34	97.37	26.925			
10,300.00	6,966.19	6,605.79	6,582.37	97.22	28.28	76.54	-739.44	306.46	2,702.25	2,604.66	97.59	27.690			
10,400.00	6,966.45	6,601.65	6,578.29	99.83	28.26	76.40	-739.39	305.75	2,784.02	2,686.24	97.78	28.473			
10,500.00	6,966.70	6,564.00	6,541.04	102.46	28.11	75.10	-738.92	300.30	2,867.78	2,770.08	97.70	29.352			
10,600.00	6,966.95	6,564.00	6,541.04	105.09	28.11	75.10	-738.92	300.30	2,951.55	2,853.68	97.87	30.158			
10,700.00	6,967.20	6,564.00	6,541.04	107.74	28.11	75.10	-738.92	300.30	3,036.30	2,938.29	98.01	30.979			
10,800.00	6,967.45	6,564.00	6,541.04	110.41	28.11	75.10	-738.92	300.30	3,121.96	3,023.83	98.13	31.814			
10,900.00	6,967.71	6,564.00	6,541.04	113.08	28.11	75.10	-738.92	300.30	3,208.44	3,110.21	98.23	32.663			
11,000.00	6,967.96	6,564.00	6,541.04	115.76	28.11	75.10	-738.92	300.30	3,295.69	3,197.38	98.31	33.523			
11,100.00	6,968.21	6,564.00	6,541.04	118.45	28.11	75.10	-738.92	300.30	3,383.65	3,285.27	98.38	34.394			
11,200.00	6,968.46	6,564.00	6,541.04	121.15	28.11	75.10	-738.92	300.30	3,472.26	3,373.82	98.43	35.275			
11,300.00	6,968.71	6,564.00	6,541.04	123.85	28.11	75.10	-738.92	300.30	3,561.47	3,462.99	98.48	36.166			
11,400.00	6,968.97	6,564.00	6,541.04	126.56	28.11	75.10	-738.92	300.30	3,651.24	3,552.73	98.51	37.064			
11,500.00	6,969.22	6,564.00	6,541.04	129.28	28.11	75.10	-738.92	300.30	3,741.53	3,642.99	98.54	37.971			
11,600.00	6,969.47	6,564.00	6,541.04	132.01	28.11	75.10	-738.92	300.30	3,832.30	3,733.74	98.56	38.885			
11,700.00	6,969.72	6,564.00	6,541.04	134.74	28.11	75.10	-738.92	300.30	3,923.52	3,824.95	98.57	39.805			
11,800.00	6,969.97	6,564.00	6,541.04	137.48	28.11	75.10	-738.92	300.30	4,015.16	3,916.58	98.58	40.732			
11,900.00	6,970.22	6,564.00	6,541.04	140.22	28.11	75.10	-738.92	300.30	4,107.18	4,008.61	98.58	41.664			
12,000.00	6,970.48	6,564.00	6,541.04	142.97	28.11	75.10	-738.92	300.30	4,199.58	4,101.00	98.58	42.601			
12,100.00	6,970.73	6,564.00	6,541.04	145.72	28.11	75.10	-738.92	300.30	4,292.31	4,193.74	98.57	43.544			
12,200.00	6,970.98	6,564.00	6,541.04	148.47	28.11	75.10	-738.92	300.30	4,385.36	4,286.80	98.57	44.490			
12,300.00	6,971.23	6,564.00	6,541.04	151.23	28.11	75.10	-738.92	300.30	4,478.72	4,380.16	98.56	45.441			
12,400.00	6,971.48	6,564.00	6,541.04	154.00	28.11	75.10	-738.92	300.30	4,572.35	4,473.80	98.55	46.396			
12,500.00	6,971.74	6,564.00	6,541.04	156.76	28.11	75.10	-738.92	300.30	4,666.25	4,567.71	98.54	47.354			
12,600.00	6,971.99	6,564.00	6,541.04	159.53	28.11	75.10	-738.92	300.30	4,760.40	4,661.87	98.53	48.316			
12,700.00	6,972.24	6,564.00	6,541.04	162.31	28.11	75.10	-738.92	300.30	4,854.78	4,756.26	98.51	49.281			
12,800.00	6,972.49	6,564.00	6,541.04	165.09	28.11	75.10	-738.92	300.30	4,949.38	4,850.88	98.50	50.248			
12,900.00	6,972.74	6,564.00	6,541.04	167.86	28.11	75.10	-738.92	300.30	5,044.19	4,945.70	98.48	51.218			
13,002.01	6,973.00	6,564.00	6,541.04	170.70	28.11	75.10	-738.92	300.30	5,141.11	5,042.64	98.47	52.210			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	134.73	-502.74	507.54	714.47					
100.00	100.00	89.66	89.66	3.28	3.29	134.70	-502.50	507.72	714.34	707.77	6.57	108.718		
200.00	200.00	190.38	190.38	3.34	3.31	134.62	-501.65	508.36	714.20	707.56	6.64	107.502		
300.00	300.00	291.09	291.07	3.44	3.34	134.47	-500.19	509.45	713.96	707.17	6.79	105.201		
400.00	399.98	405.15	405.10	3.60	3.44	-15.18	-497.72	510.49	711.47	704.43	7.04	101.097		
500.00	499.84	530.84	530.66	3.79	3.64	-15.53	-492.75	508.08	702.30	694.84	7.45	94.209		
600.00	599.45	649.71	649.12	4.02	3.90	-16.16	-483.87	504.14	686.36	678.39	7.97	86.138		
700.00	698.70	753.46	752.32	4.29	4.17	-16.97	-474.08	500.01	665.41	656.90	8.50	78.257		
800.00	797.47	859.93	858.13	4.60	4.47	-18.03	-463.15	495.38	640.54	631.43	9.11	70.300		
900.00	895.62	970.86	967.91	4.94	4.83	-19.64	-448.16	490.14	610.25	600.46	9.79	62.328		
1,000.00	993.06	1,076.01	1,071.47	5.31	5.19	-21.79	-430.80	484.70	575.03	564.54	10.49	54.839		
1,100.00	1,089.64	1,167.80	1,161.52	5.72	5.53	-24.34	-413.70	479.95	536.11	524.95	11.16	48.029		
1,200.00	1,185.27	1,254.74	1,246.86	6.17	5.86	-27.34	-397.66	475.43	495.22	483.36	11.86	41.764		
1,300.00	1,279.82	1,344.76	1,335.26	6.65	6.22	-31.17	-381.41	470.47	452.65	440.05	12.60	35.918		
1,400.00	1,373.17	1,433.25	1,421.86	7.17	6.58	-36.20	-363.91	465.52	408.25	394.87	13.39	30.491		
1,479.95	1,446.87	1,502.04	1,488.89	7.61	6.87	-41.34	-348.94	461.75	372.34	358.28	14.06	26.478		
1,500.00	1,465.24	1,519.23	1,505.59	7.72	6.95	-42.69	-345.00	460.77	363.41	349.17	14.24	25.518		
1,600.00	1,556.88	1,600.86	1,584.67	8.31	7.30	-50.02	-325.32	455.87	321.41	306.24	15.17	21.181		
1,700.00	1,648.52	1,678.07	1,659.39	8.92	7.65	-58.38	-306.39	451.43	286.51	270.28	16.23	17.657		
1,800.00	1,740.15	1,754.20	1,733.25	9.54	7.99	-67.74	-288.29	447.85	262.23	244.87	17.36	15.104		
1,900.00	1,831.79	1,832.12	1,809.08	10.17	8.34	-78.00	-270.60	445.23	251.16	232.69	18.48	13.594		
1,928.64	1,858.04	1,855.04	1,831.43	10.35	8.44	-81.05	-265.56	444.66	250.60	231.83	18.78	13.347 CC, ES		
2,000.00	1,923.43	1,914.48	1,889.45	10.81	8.71	-88.89	-252.72	443.13	253.86	234.38	19.48	13.035 SF		
2,100.00	2,015.06	1,998.37	1,971.46	11.46	9.09	-99.37	-235.21	440.72	268.68	248.36	20.31	13.226		
2,200.00	2,106.70	2,081.27	2,052.62	12.11	9.46	-108.65	-218.53	438.12	293.54	272.54	21.01	13.973		
2,300.00	2,198.34	2,161.13	2,130.66	12.78	9.83	-116.51	-201.87	435.05	326.87	305.28	21.59	15.141		
2,400.00	2,289.98	2,238.85	2,206.51	13.44	10.19	-122.99	-185.11	432.31	367.00	344.88	22.12	16.590		
2,500.00	2,381.61	2,312.04	2,277.71	14.11	10.53	-128.09	-168.32	430.22	412.71	390.11	22.60	18.262		
2,600.00	2,473.25	2,405.08	2,368.28	14.79	10.96	-133.36	-147.19	427.93	461.38	437.97	23.42	19.703		
2,700.00	2,564.89	2,485.94	2,447.31	15.47	11.34	-137.13	-130.24	425.59	510.68	486.60	24.07	21.215		
2,800.00	2,656.52	2,560.89	2,520.40	16.15	11.70	-140.16	-113.86	422.81	562.25	537.59	24.66	22.802		
2,900.00	2,748.16	2,640.63	2,597.96	16.83	12.08	-142.91	-95.58	419.75	615.96	590.62	25.34	24.307		
3,000.00	2,839.80	2,725.21	2,680.39	17.52	12.48	-145.42	-76.98	416.25	669.85	643.74	26.11	25.652		
3,100.00	2,931.43	2,797.54	2,750.78	18.20	12.82	-147.18	-60.50	414.22	725.10	698.38	26.72	27.133		
3,200.00	3,023.07	2,889.93	2,840.77	18.89	13.27	-149.08	-39.66	412.04	780.69	753.04	27.65	28.239		
3,300.00	3,114.71	2,946.46	2,895.70	19.58	13.54	-150.15	-26.44	410.13	837.41	809.36	28.05	29.853		
3,400.00	3,206.35	3,027.01	2,973.57	20.27	13.94	-151.58	-6.20	406.40	896.11	867.29	28.82	31.094		
3,500.00	3,297.98	3,141.09	3,084.57	20.97	14.49	-153.37	19.55	400.82	953.10	923.04	30.06	31.705		
3,600.00	3,389.62	3,213.66	3,155.48	21.66	14.84	-154.36	34.64	397.65	1,008.88	978.16	30.73	32.836		
3,700.00	3,481.26	3,307.83	3,247.25	22.36	15.29	-155.48	55.34	393.69	1,065.92	1,034.23	31.69	33.640		
3,800.00	3,572.89	3,423.51	3,360.80	23.05	15.84	-156.75	76.84	388.60	1,120.16	1,087.26	32.91	34.042		
3,900.00	3,664.53	3,506.29	3,442.25	23.75	16.23	-157.55	91.26	385.34	1,173.66	1,139.95	33.71	34.818		
4,000.00	3,756.17	3,571.98	3,506.80	24.45	16.53	-158.10	103.24	383.29	1,227.89	1,193.58	34.31	35.789		
4,100.00	3,847.80	3,632.67	3,566.21	25.14	16.82	-158.56	115.45	381.32	1,283.75	1,248.90	34.85	36.839		
4,200.00	3,939.44	3,711.90	3,643.65	25.84	17.20	-159.13	132.01	378.51	1,340.41	1,304.78	35.63	37.622		
4,300.00	4,031.08	3,777.25	3,707.41	26.54	17.52	-159.56	146.12	376.38	1,397.69	1,361.46	36.23	38.574		
4,400.00	4,122.72	3,836.17	3,764.73	27.24	17.81	-159.88	159.73	375.01	1,456.08	1,419.32	36.76	39.611		
4,500.00	4,214.35	3,888.95	3,815.84	27.94	18.07	-160.14	172.85	373.76	1,515.93	1,478.73	37.20	40.748		
4,600.00	4,305.99	3,943.17	3,868.10	28.64	18.35	-160.40	187.21	372.24	1,577.18	1,539.51	37.67	41.872		
4,700.00	4,397.63	3,997.00	3,919.78	29.35	18.62	-160.65	202.13	370.25	1,639.65	1,601.52	38.12	43.007		
4,800.00	4,489.26	4,063.91	3,983.81	30.05	18.97	-160.95	221.34	367.62	1,702.96	1,664.19	38.78	43.918		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 342-MWD+IFR1													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance									
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)					
4,900.00	4,580.90	4,163.40	4,079.01	30.75	19.48	-161.33	250.06	364.47	1,766.34	1,726.45	39.89	44.276				
5,000.00	4,672.54	4,397.01	4,305.89	31.45	20.64	-162.22	304.78	357.21	1,825.07	1,782.39	42.68	42.761				
5,100.00	4,764.17	4,464.00	4,371.52	32.16	20.96	-162.49	317.90	354.47	1,881.28	1,837.95	43.33	43.415				
5,200.00	4,855.81	4,536.34	4,442.30	32.86	21.31	-162.77	332.54	351.43	1,938.08	1,894.03	44.05	43.998				
5,300.00	4,947.45	4,610.71	4,515.01	33.56	21.67	-163.04	347.90	348.46	1,995.20	1,950.41	44.79	44.543				
5,400.00	5,039.08	4,697.70	4,600.00	34.27	22.09	-163.31	366.21	345.53	2,052.55	2,006.86	45.69	44.924				
5,500.00	5,130.72	4,789.10	4,689.42	34.97	22.53	-163.59	384.83	342.36	2,109.38	2,062.74	46.64	45.229				
5,600.00	5,222.36	4,889.16	4,787.41	35.68	23.01	-163.93	404.42	337.34	2,166.02	2,118.35	47.68	45.430				
5,700.00	5,314.00	4,974.28	4,870.95	36.38	23.42	-164.26	419.73	331.57	2,221.83	2,173.29	48.54	45.772				
5,800.00	5,405.63	5,025.00	4,920.66	37.08	23.66	-164.45	429.19	328.19	2,278.29	2,229.28	49.01	46.484				
5,900.00	5,497.27	5,079.70	4,974.15	37.79	23.93	-164.63	440.17	324.77	2,335.80	2,286.27	49.53	47.161				
6,000.00	5,588.91	5,125.97	5,019.20	38.50	24.16	-164.76	450.32	322.07	2,394.61	2,344.67	49.94	47.948				
6,100.00	5,680.54	5,401.32	5,288.42	39.20	25.49	-165.30	506.74	314.55	2,453.35	2,400.37	52.98	46.310				
6,200.00	5,772.18	5,526.66	5,412.36	39.91	26.06	-165.51	525.49	313.78	2,505.11	2,450.87	54.24	46.182				
6,300.00	5,863.82	5,599.96	5,484.80	40.61	26.39	-165.60	536.63	314.34	2,556.83	2,501.85	54.99	46.499				
6,400.00	5,955.45	5,899.74	5,782.60	41.32	27.69	-166.07	569.86	315.09	2,605.68	2,547.89	57.78	45.095				
6,500.00	6,047.09	6,056.61	5,939.26	42.02	28.33	-166.36	577.99	315.28	2,649.18	2,590.00	59.17	44.770				
6,600.00	6,138.73	6,178.74	6,061.33	42.73	28.82	-166.63	581.62	314.25	2,691.12	2,630.84	60.28	44.647				
6,700.00	6,230.37	7,786.54	7,050.52	43.44	38.70	-150.71	596.79	1,197.81	2,731.31	2,659.14	72.18	37.841				
6,712.03	6,241.39	7,788.76	7,050.55	43.52	38.74	-150.66	596.77	1,200.04	2,731.92	2,659.56	72.36	37.755				
6,750.00	6,276.38	7,794.80	7,050.60	43.78	38.84	-158.09	596.73	1,206.08	2,734.19	2,661.29	72.90	37.504				
6,800.00	6,322.91	7,799.79	7,050.65	44.09	38.92	-169.32	596.69	1,211.07	2,737.99	2,664.45	73.54	37.233				
6,850.00	6,369.70	7,801.42	7,050.66	44.36	38.95	178.41	596.68	1,212.70	2,742.71	2,668.64	74.07	37.027				
6,900.00	6,416.45	7,799.73	7,050.65	44.59	38.92	166.12	596.69	1,211.00	2,748.32	2,673.81	74.51	36.884				
6,950.00	6,462.87	7,794.75	7,050.60	44.79	38.84	154.78	596.73	1,206.03	2,754.78	2,679.92	74.86	36.798				
7,000.00	6,508.69	7,786.57	7,050.52	44.95	38.70	144.90	596.79	1,197.85	2,762.02	2,686.89	75.12	36.767				
7,050.00	6,553.61	7,778.00	7,050.44	45.09	38.56	136.61	596.86	1,189.28	2,769.95	2,694.59	75.36	36.758				
7,100.00	6,597.37	7,763.43	7,050.31	45.20	38.34	129.62	596.99	1,174.72	2,778.49	2,703.01	75.48	36.811				
7,150.00	6,639.68	7,748.41	7,050.25	45.30	38.11	123.79	597.16	1,159.69	2,787.52	2,711.94	75.58	36.879				
7,200.00	6,680.29	7,730.65	7,050.26	45.39	37.84	118.83	597.38	1,141.93	2,796.94	2,721.30	75.64	36.979				
7,250.00	6,718.96	7,710.23	7,050.38	45.48	37.53	114.55	597.67	1,121.51	2,806.60	2,730.96	75.64	37.105				
7,300.00	6,755.43	7,300.00	7,050.82	45.57	32.54	110.55	598.28	1,080.15	2,816.33	2,746.24	70.09	40.184				
7,350.00	6,789.49	7,591.45	7,051.08	45.67	35.90	106.56	598.57	1,002.75	2,825.45	2,751.05	74.40	37.974				
7,400.00	6,820.93	7,441.95	7,044.30	45.77	34.22	102.11	595.62	853.57	2,833.15	2,760.56	72.59	39.032				
7,450.00	6,849.55	7,410.64	7,039.74	45.89	33.92	99.72	594.71	822.62	2,839.83	2,767.23	72.61	39.112				
7,500.00	6,875.17	7,183.00	6,964.25	46.02	32.48	94.62	583.71	609.67	2,844.68	2,774.27	70.41	40.404				
7,550.00	6,897.64	7,183.00	6,964.25	46.17	32.48	93.44	583.71	609.67	2,848.14	2,777.24	70.90	40.172				
7,600.00	6,916.82	7,183.00	6,964.25	46.35	32.48	92.47	583.71	609.67	2,851.18	2,779.73	71.45	39.907				
7,650.00	6,932.60	7,183.00	6,964.25	46.55	32.48	91.69	583.71	609.67	2,853.78	2,781.73	72.05	39.608				
7,700.00	6,944.86	7,145.51	6,943.67	46.78	32.34	90.56	581.35	578.44	2,854.66	2,782.32	72.34	39.464				
7,750.00	6,953.55	7,138.86	6,939.77	47.04	32.31	90.08	581.15	573.05	2,855.83	2,782.85	72.98	39.132				
7,800.00	6,958.59	7,131.91	6,935.62	47.33	32.29	89.78	581.02	567.48	2,856.40	2,782.73	73.67	38.775				
7,842.10	6,960.00	7,091.00	6,909.68	47.60	32.15	89.21	581.74	535.88	2,857.55	2,783.63	73.91	38.661				
7,883.33	6,960.11	7,091.00	6,909.68	47.89	32.15	89.21	581.74	535.88	2,857.25	2,782.65	74.60	38.301				
7,900.00	6,960.15	7,091.00	6,909.68	48.01	32.15	89.21	581.74	535.88	2,857.30	2,782.42	74.88	38.159				
8,000.00	6,960.40	7,091.00	6,909.68	48.86	32.15	89.21	581.74	535.88	2,859.63	2,782.97	76.66	37.304				
8,100.00	6,960.65	7,091.00	6,909.68	49.87	32.15	89.21	581.74	535.88	2,865.45	2,786.90	78.55	36.479				
8,200.00	6,960.91	7,050.84	6,882.13	51.06	32.01	88.66	583.86	506.75	2,874.19	2,794.03	80.17	35.852				
8,300.00	6,961.16	7,016.86	6,857.53	52.41	31.90	88.16	585.92	483.40	2,885.50	2,803.59	81.92	35.225				
8,400.00	6,961.41	6,997.00	6,842.64	53.93	31.83	87.87	587.23	470.33	2,899.52	2,815.67	83.84	34.583				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N(S)-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 342-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	6,961.66	6,958.64	6,812.57	55.59	31.71	87.27	589.90	446.68	2,916.17	2,830.51	85.67	34.041		
8,600.00	6,961.91	6,934.95	6,793.11	57.37	31.63	86.88	591.61	433.28	2,935.68	2,848.06	87.62	33.503		
8,700.00	6,962.16	6,905.00	6,767.61	59.27	31.53	86.37	593.83	417.72	2,958.07	2,868.54	89.53	33.040		
8,800.00	6,962.42	6,638.84	6,520.24	61.26	30.59	81.48	590.47	322.84	2,981.30	2,891.91	89.38	33.354		
8,900.00	6,962.67	6,625.00	6,506.76	63.34	30.54	81.21	589.18	319.98	3,006.46	2,915.04	91.41	32.889		
9,000.00	6,962.92	6,625.00	6,506.76	65.49	30.54	81.21	589.18	319.98	3,034.65	2,941.12	93.53	32.445		
9,100.00	6,963.17	6,625.00	6,506.76	67.70	30.54	81.21	589.18	319.98	3,065.86	2,970.26	95.59	32.072		
9,200.00	6,963.42	6,625.00	6,506.76	69.97	30.54	81.21	589.18	319.98	3,099.97	3,002.38	97.59	31.765		
9,300.00	6,963.68	6,625.00	6,506.76	72.28	30.54	81.21	589.18	319.98	3,136.91	3,037.39	99.52	31.521		
9,400.00	6,963.93	6,625.00	6,506.76	74.64	30.54	81.21	589.18	319.98	3,176.56	3,075.19	101.37	31.336		
9,500.00	6,964.18	6,625.00	6,506.76	77.04	30.54	81.21	589.18	319.98	3,218.83	3,115.69	103.14	31.207		
9,600.00	6,964.43	6,625.00	6,506.76	79.48	30.54	81.21	589.18	319.98	3,263.62	3,158.78	104.84	31.130		
9,700.00	6,964.68	6,625.00	6,506.76	81.94	30.54	81.21	589.18	319.98	3,310.83	3,204.37	106.45	31.101		
9,800.00	6,964.94	6,625.00	6,506.76	84.43	30.54	81.21	589.18	319.98	3,360.35	3,252.36	107.99	31.118		
9,900.00	6,965.19	6,625.00	6,506.76	86.95	30.54	81.21	589.18	319.98	3,412.08	3,302.64	109.44	31.177		
10,000.00	6,965.44	6,625.00	6,506.76	89.49	30.54	81.21	589.18	319.98	3,465.92	3,355.10	110.82	31.275		
10,100.00	6,965.69	6,625.00	6,506.76	92.05	30.54	81.21	589.18	319.98	3,521.79	3,409.66	112.12	31.410		
10,200.00	6,965.94	6,625.00	6,506.76	94.63	30.54	81.21	589.18	319.98	3,579.57	3,466.22	113.35	31.580		
10,300.00	6,966.19	6,625.00	6,506.76	97.22	30.54	81.21	589.18	319.98	3,639.19	3,524.68	114.51	31.781		
10,400.00	6,966.45	6,625.00	6,506.76	99.83	30.54	81.21	589.18	319.98	3,700.54	3,584.95	115.60	32.012		
10,500.00	6,966.70	6,625.00	6,506.76	102.46	30.54	81.21	589.18	319.98	3,763.56	3,646.94	116.62	32.271		
10,600.00	6,966.95	6,625.00	6,506.76	105.09	30.54	81.21	589.18	319.98	3,828.15	3,710.56	117.59	32.556		
10,700.00	6,967.20	6,625.00	6,506.76	107.74	30.54	81.21	589.18	319.98	3,894.24	3,775.74	118.49	32.865		
10,800.00	6,967.45	6,625.00	6,506.76	110.41	30.54	81.21	589.18	319.98	3,961.75	3,842.40	119.34	33.197		
10,900.00	6,967.71	6,584.14	6,466.53	113.08	30.38	80.41	586.00	313.67	4,028.65	3,908.78	119.87	33.607		
11,000.00	6,967.96	6,583.01	6,465.41	115.76	30.37	80.39	585.93	313.55	4,098.68	3,978.06	120.62	33.981		
11,100.00	6,968.21	6,581.92	6,464.33	118.45	30.37	80.37	585.87	313.43	4,169.92	4,048.60	121.32	34.372		
11,200.00	6,968.46	6,580.88	6,463.30	121.15	30.36	80.35	585.81	313.32	4,242.32	4,120.35	121.97	34.781		
11,300.00	6,968.71	6,579.88	6,462.30	123.85	30.36	80.33	585.75	313.22	4,315.82	4,193.24	122.59	35.207		
11,400.00	6,968.97	6,578.92	6,461.35	126.56	30.36	80.31	585.69	313.12	4,390.37	4,267.21	123.16	35.647		
11,500.00	6,969.22	6,578.00	6,460.43	129.28	30.35	80.29	585.64	313.03	4,465.91	4,342.21	123.70	36.102		
11,600.00	6,969.47	6,577.11	6,459.55	132.01	30.35	80.28	585.59	312.94	4,542.39	4,418.18	124.21	36.571		
11,700.00	6,969.72	6,576.25	6,458.70	134.74	30.35	80.26	585.55	312.86	4,619.77	4,495.09	124.68	37.053		
11,800.00	6,969.97	6,575.43	6,457.88	137.48	30.34	80.24	585.50	312.78	4,698.00	4,572.88	125.13	37.546		
11,900.00	6,970.22	6,574.64	6,457.10	140.22	30.34	80.23	585.46	312.70	4,777.04	4,651.50	125.54	38.051		
12,000.00	6,970.48	6,573.87	6,456.33	142.97	30.34	80.21	585.42	312.63	4,856.86	4,730.92	125.93	38.567		
12,100.00	6,970.73	6,532.00	6,414.55	145.72	30.17	79.40	584.03	310.67	4,939.44	4,813.40	126.05	39.187		
12,200.00	6,970.98	6,532.00	6,414.55	148.47	30.17	79.40	584.03	310.67	5,020.62	4,894.22	126.40	39.720		
12,300.00	6,971.23	6,532.00	6,414.55	151.23	30.17	79.40	584.03	310.67	5,102.47	4,975.74	126.73	40.262		
12,400.00	6,971.48	6,532.00	6,414.55	154.00	30.17	79.40	584.03	310.67	5,184.95	5,057.91	127.04	40.813		
12,500.00	6,971.74	6,532.00	6,414.55	156.76	30.17	79.40	584.03	310.67	5,268.04	5,140.71	127.33	41.372		
12,600.00	6,971.99	6,532.00	6,414.55	159.53	30.17	79.40	584.03	310.67	5,351.71	5,224.10	127.61	41.939		
12,700.00	6,972.24	6,532.00	6,414.55	162.31	30.17	79.40	584.03	310.67	5,435.93	5,308.06	127.87	42.513		
12,800.00	6,972.49	6,532.00	6,414.55	165.09	30.17	79.40	584.03	310.67	5,520.68	5,392.57	128.11	43.094		
12,900.00	6,972.74	6,532.00	6,414.55	167.86	30.17	79.40	584.03	310.67	5,605.93	5,477.59	128.34	43.681		
13,002.01	6,973.00	6,532.00	6,414.55	170.70	30.17	79.40	584.03	310.67	5,693.39	5,564.83	128.56	44.287		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	132.34	-462.66	507.82	687.06					
100.00	100.00	81.67	81.66	3.28	3.29	132.33	-462.89	508.20	687.45	680.88	6.57	104.634		
200.00	200.00	177.74	177.73	3.34	3.31	132.30	-463.66	509.52	689.00	682.35	6.65	103.572		
300.00	300.00	283.98	283.95	3.44	3.41	132.26	-464.21	510.87	690.29	683.43	6.86	100.681		
400.00	399.98	396.36	396.33	3.60	3.57	-17.30	-463.20	511.65	688.54	681.37	7.17	95.995		
500.00	499.84	527.78	527.61	3.79	3.83	-17.86	-457.52	511.16	680.46	672.81	7.65	88.947		
600.00	599.45	663.63	662.69	4.02	4.18	-19.00	-443.76	507.94	663.76	655.49	8.27	80.223		
700.00	698.70	798.54	795.38	4.29	4.58	-21.08	-420.06	503.33	638.52	629.52	9.00	70.982		
800.00	797.47	909.69	902.85	4.60	4.96	-23.94	-391.98	499.95	606.23	596.56	9.67	62.723		
900.00	895.62	1,009.55	998.36	4.94	5.33	-27.44	-362.97	497.19	570.08	559.76	10.32	55.216		
1,000.00	993.06	1,107.30	1,091.08	5.31	5.72	-31.79	-332.25	493.31	530.53	519.51	11.03	48.113		
1,100.00	1,089.64	1,191.68	1,171.03	5.72	6.09	-36.40	-305.60	489.13	489.73	478.02	11.72	41.798		
1,200.00	1,185.27	1,273.93	1,249.58	6.17	6.45	-41.55	-281.74	484.26	449.54	437.08	12.46	36.091		
1,300.00	1,279.82	1,365.29	1,336.67	6.65	6.87	-48.47	-254.95	477.54	409.48	396.19	13.29	30.804		
1,400.00	1,373.17	1,439.13	1,406.43	7.17	7.22	-55.62	-231.37	472.20	372.30	358.13	14.17	26.266		
1,479.95	1,446.87	1,493.43	1,457.41	7.61	7.49	-61.76	-212.96	468.96	347.74	332.79	14.94	23.271		
1,500.00	1,465.24	1,506.69	1,469.84	7.72	7.55	-63.26	-208.38	468.31	342.65	327.51	15.14	22.627		
1,600.00	1,556.88	1,575.69	1,534.49	8.31	7.90	-71.34	-184.42	465.64	325.61	309.45	16.16	20.146		
1,675.96	1,626.49	1,633.16	1,588.87	8.77	8.18	-78.08	-165.92	463.95	321.82	304.89	16.94	19.001 CC, ES		
1,700.00	1,648.52	1,650.77	1,605.62	8.92	8.27	-80.11	-160.50	463.50	322.22	305.05	17.17	18.770		
1,800.00	1,740.15	1,723.17	1,674.39	9.54	8.63	-88.38	-137.91	462.05	332.34	314.30	18.04	18.425 SF		
1,900.00	1,831.79	1,795.00	1,742.45	10.17	8.99	-96.15	-114.96	461.17	355.18	336.41	18.77	18.927		
2,000.00	1,923.43	1,867.80	1,811.26	10.81	9.36	-103.32	-91.19	460.83	388.64	369.24	19.40	20.029		
2,100.00	2,015.06	1,948.07	1,887.17	11.46	9.77	-110.30	-65.14	460.05	429.34	409.26	20.08	21.378		
2,200.00	2,106.70	2,025.24	1,960.21	12.11	10.17	-116.19	-40.27	458.29	475.14	454.43	20.71	22.942		
2,300.00	2,198.34	2,101.96	2,032.78	12.78	10.57	-121.30	-15.52	455.74	525.03	503.70	21.33	24.610		
2,400.00	2,289.98	2,179.46	2,106.15	13.44	10.98	-125.75	9.28	452.84	577.95	555.96	21.98	26.292		
2,500.00	2,381.61	2,258.33	2,180.89	14.11	11.40	-129.67	34.24	449.30	632.99	610.32	22.66	27.932		
2,600.00	2,473.25	2,337.43	2,255.89	14.79	11.81	-133.16	58.91	444.57	689.49	666.13	23.36	29.520		
2,700.00	2,564.89	2,413.59	2,328.08	15.47	12.22	-136.15	82.51	438.93	747.36	723.33	24.02	31.108		
2,800.00	2,656.52	2,481.31	2,392.17	16.15	12.58	-138.51	103.74	433.73	806.83	782.24	24.60	32.803		
2,900.00	2,748.16	2,560.75	2,467.30	16.83	13.01	-140.93	128.89	427.90	867.64	842.30	25.34	34.241		
3,000.00	2,839.80	2,648.55	2,550.66	17.52	13.48	-143.26	155.67	421.33	928.38	902.18	26.20	35.433		
3,100.00	2,931.43	2,725.97	2,624.52	18.20	13.89	-144.93	178.52	417.61	988.93	961.98	26.94	36.704		
3,200.00	3,023.07	2,794.19	2,689.51	18.89	14.25	-146.12	199.21	416.10	1,050.47	1,022.89	27.58	38.087		
3,300.00	3,114.71	2,871.08	2,762.70	19.58	14.66	-147.33	222.74	414.42	1,112.58	1,084.24	28.34	39.256		
3,400.00	3,206.35	2,943.18	2,831.30	20.27	15.04	-148.38	244.85	412.32	1,175.07	1,146.03	29.04	40.458		
3,500.00	3,297.98	3,011.63	2,896.32	20.97	15.41	-149.28	266.16	410.58	1,238.16	1,208.45	29.71	41.679		
3,600.00	3,389.62	3,081.94	2,962.93	21.66	15.79	-150.03	288.66	410.33	1,301.95	1,271.55	30.41	42.820		
3,700.00	3,481.26	3,166.19	3,042.79	22.36	16.24	-150.82	315.49	410.46	1,365.72	1,334.42	31.29	43.641		
3,800.00	3,572.89	3,233.97	3,107.04	23.05	16.60	-151.42	337.07	410.19	1,429.65	1,397.68	31.97	44.721		
3,900.00	3,664.53	3,306.26	3,175.51	23.75	16.99	-152.04	360.25	409.35	1,493.96	1,461.25	32.71	45.680		
4,000.00	3,756.17	3,390.30	3,255.14	24.45	17.45	-152.74	387.05	407.51	1,558.36	1,524.76	33.60	46.387		
4,100.00	3,847.80	3,493.29	3,353.12	25.14	18.00	-153.52	418.71	405.29	1,621.97	1,587.25	34.72	46.714		
4,200.00	3,939.44	3,598.25	3,453.43	25.84	18.55	-154.14	449.57	405.78	1,684.24	1,648.38	35.86	46.963		
4,300.00	4,031.08	3,697.14	3,548.38	26.54	19.06	-154.69	477.22	405.76	1,745.49	1,708.58	36.92	47.281		
4,400.00	4,122.72	3,764.20	3,612.84	27.24	19.41	-155.05	495.70	405.67	1,806.51	1,768.92	37.60	48.051		
4,500.00	4,214.35	3,825.14	3,671.26	27.94	19.73	-155.35	513.05	405.62	1,868.30	1,830.10	38.20	48.904		
4,600.00	4,305.99	3,885.02	3,728.49	28.64	20.04	-155.62	530.69	405.86	1,930.86	1,892.06	38.80	49.763		
4,700.00	4,397.63	3,947.48	3,788.00	29.35	20.37	-155.87	549.64	406.29	1,994.12	1,954.68	39.43	50.568		
4,800.00	4,489.26	4,009.25	3,846.72	30.05	20.70	-156.11	568.77	406.56	2,057.95	2,017.89	40.06	51.371		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 140-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,580.90	4,068.75	3,903.16	30.75	21.03	-156.33	587.64	406.78	2,122.40	2,081.74	40.66	52.197		
5,000.00	4,672.54	4,122.29	3,953.78	31.45	21.32	-156.51	605.06	406.97	2,187.54	2,146.35	41.19	53.109		
5,100.00	4,764.17	4,176.00	4,004.37	32.16	21.61	-156.69	623.12	407.14	2,253.52	2,211.80	41.72	54.014		
5,200.00	4,855.81	4,228.43	4,053.57	32.86	21.91	-156.85	641.20	407.24	2,320.23	2,277.99	42.24	54.930		
5,300.00	4,947.45	4,282.67	4,242.75	33.56	23.01	-157.48	706.70	406.16	2,386.43	2,341.83	44.61	53.501		
5,400.00	5,039.08	4,540.77	4,350.15	34.27	23.60	-157.85	738.79	404.99	2,448.74	2,402.91	45.83	53.434		
5,500.00	5,130.72	5,500.00	4,444.49	34.97	28.59	-158.16	765.61	403.74	2,510.10	2,458.98	51.12	49.101		
5,600.00	5,222.36	4,688.07	4,491.83	35.68	24.37	-158.32	779.03	402.67	2,571.75	2,524.38	47.37	54.293		
5,700.00	5,314.00	4,737.00	4,538.64	36.38	24.63	-158.49	793.16	400.89	2,634.71	2,586.86	47.85	55.058		
5,800.00	5,405.63	4,770.83	4,570.87	37.08	24.81	-158.61	803.31	399.41	2,698.68	2,650.52	48.16	56.036		
5,900.00	5,497.27	4,829.00	4,626.15	37.79	25.13	-158.81	821.25	396.80	2,763.49	2,714.73	48.75	56.682		
6,000.00	5,588.91	6,000.00	4,707.62	38.50	31.53	-159.10	847.39	392.72	2,828.15	2,772.96	55.19	51.246		
6,100.00	5,680.54	4,967.48	4,757.86	39.20	25.89	-159.27	863.45	389.98	2,892.95	2,842.74	50.21	57.615		
6,200.00	5,772.18	5,016.00	4,803.77	39.91	26.15	-159.43	878.91	387.17	2,958.83	2,908.14	50.69	58.369		
6,300.00	5,863.82	5,219.45	4,997.56	40.61	27.26	-160.13	939.15	373.21	3,023.42	2,970.42	52.99	57.052		
6,400.00	5,955.45	5,273.44	5,049.24	41.32	27.55	-160.30	954.47	370.10	3,086.70	3,033.16	53.55	57.645		
6,500.00	6,047.09	5,702.80	5,466.79	42.02	29.66	-161.60	1,049.56	345.35	3,142.82	3,084.89	57.93	54.253		
6,600.00	6,138.73	5,916.62	5,677.69	42.73	30.62	-162.06	1,084.43	341.86	3,195.82	3,135.93	59.90	53.353		
6,700.00	6,230.37	6,024.22	5,784.22	43.44	31.09	-162.26	1,099.55	341.32	3,246.59	3,185.66	60.93	53.280		
6,712.03	6,241.39	6,036.62	5,796.51	43.52	31.15	-162.29	1,101.22	341.13	3,252.67	3,191.62	61.05	53.275		
6,750.00	6,276.38	6,066.13	5,825.74	43.78	31.28	-171.60	1,105.17	340.67	3,271.65	3,210.30	61.35	53.327		
6,800.00	6,322.91	6,102.80	5,862.06	44.09	31.43	174.97	1,110.20	340.24	3,296.03	3,234.32	61.71	53.409		
6,850.00	6,369.70	7,924.97	7,071.63	44.36	41.20	179.63	1,178.08	1,286.24	3,314.06	3,237.86	76.21	43.489		
6,900.00	6,416.45	7,920.47	7,071.77	44.59	41.13	167.13	1,178.17	1,281.74	3,321.53	3,244.96	76.57	43.379		
6,950.00	6,462.87	7,910.90	7,072.10	44.79	40.99	155.56	1,178.34	1,272.17	3,329.75	3,252.93	76.82	43.344		
7,000.00	6,508.69	7,895.96	7,072.68	44.95	40.76	145.44	1,178.58	1,257.25	3,338.62	3,261.66	76.96	43.382		
7,050.00	6,553.61	7,875.42	7,073.61	45.09	40.46	136.85	1,178.88	1,236.73	3,348.03	3,271.05	76.98	43.492		
7,100.00	6,597.37	7,849.04	7,075.00	45.20	40.07	129.61	1,179.18	1,210.39	3,357.84	3,280.95	76.89	43.672		
7,150.00	6,639.68	7,825.00	7,076.48	45.30	39.71	123.59	1,179.37	1,186.40	3,367.90	3,291.07	76.83	43.835		
7,200.00	6,680.29	7,803.33	7,077.72	45.39	39.43	118.56	1,179.58	1,164.76	3,378.14	3,301.29	76.85	43.957		
7,250.00	6,718.96	7,513.36	7,035.38	45.48	36.39	110.24	1,178.93	880.57	3,388.02	3,315.02	73.01	46.407		
7,300.00	6,755.43	7,507.83	7,033.27	45.57	36.35	106.92	1,178.85	875.45	3,396.47	3,323.16	73.31	46.330		
7,350.00	6,789.49	7,501.39	7,030.76	45.67	36.31	104.07	1,178.78	869.52	3,404.74	3,331.12	73.62	46.246		
7,400.00	6,820.93	7,494.16	7,027.86	45.77	36.26	101.61	1,178.74	862.90	3,412.77	3,338.82	73.95	46.150		
7,450.00	6,849.55	7,486.23	7,024.57	45.89	36.22	99.46	1,178.73	855.68	3,420.50	3,346.20	74.30	46.036		
7,500.00	6,875.17	7,450.00	7,008.23	46.02	36.02	97.20	1,179.29	823.36	3,428.21	3,353.88	74.34	46.117		
7,550.00	6,897.64	7,450.00	7,008.23	46.17	36.02	95.72	1,179.29	823.36	3,434.95	3,360.09	74.86	45.885		
7,600.00	6,916.82	7,450.00	7,008.23	46.35	36.02	94.47	1,179.29	823.36	3,441.27	3,365.84	75.43	45.622		
7,650.00	6,932.60	7,450.00	7,008.23	46.55	36.02	93.41	1,179.29	823.36	3,447.13	3,371.08	76.05	45.329		
7,700.00	6,944.86	7,428.24	6,997.55	46.78	35.92	92.29	1,179.97	804.41	3,452.36	3,375.90	76.46	45.150		
7,750.00	6,953.55	7,407.96	6,987.23	47.04	35.83	91.40	1,180.70	786.97	3,456.85	3,379.91	76.94	44.930		
7,800.00	6,958.59	7,387.12	6,976.25	47.33	35.75	90.72	1,181.56	769.28	3,460.53	3,383.09	77.44	44.685		
7,842.10	6,960.00	7,047.71	6,760.30	47.60	34.87	86.87	1,181.48	508.62	3,462.48	3,387.63	74.85	46.258		
7,900.00	6,960.15	7,018.23	6,738.48	48.01	34.80	86.51	1,180.00	488.86	3,461.62	3,386.08	75.53	45.829		
7,946.55	6,960.27	6,996.21	6,721.71	48.39	34.75	86.23	1,178.92	474.63	3,461.40	3,385.25	76.15	45.455		
8,000.00	6,960.40	6,972.39	6,703.12	48.86	34.68	85.92	1,177.79	459.78	3,461.69	3,384.82	76.87	45.032		
8,100.00	6,960.65	6,932.64	6,670.84	49.87	34.57	85.39	1,175.92	436.68	3,463.90	3,385.50	78.40	44.181		
8,200.00	6,960.91	8,200.00	6,569.32	51.06	38.93	83.70	1,168.38	385.48	3,467.84	3,382.78	85.06	40.770		
8,300.00	6,961.16	6,790.00	6,543.49	52.41	34.12	83.27	1,166.11	374.17	3,473.82	3,392.57	81.25	42.755		
8,400.00	6,961.41	6,756.31	6,511.42	53.93	34.00	82.74	1,162.56	364.51	3,481.93	3,398.83	83.10	41.899		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Falken 9-11 PAD - Fagerberg 25N-7B-M - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		140-MWD+IFR1											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
8,500.00	6,961.66	6,749.82	6,505.16	55.59	33.98	82.63	1,161.95	362.88	3,493.21	3,407.97	85.24	40.983			
8,600.00	6,961.91	6,743.89	6,499.43	57.37	33.96	82.54	1,161.41	361.45	3,507.25	3,419.84	87.41	40.126			
8,700.00	6,962.16	6,738.46	6,494.17	59.27	33.94	82.45	1,160.93	360.20	3,524.04	3,434.44	89.60	39.332			
8,800.00	6,962.42	6,733.46	6,489.31	61.26	33.92	82.37	1,160.51	359.10	3,543.54	3,451.75	91.79	38.604			
8,900.00	6,962.67	6,695.00	6,451.61	63.34	33.78	81.74	1,157.70	352.11	3,566.45	3,472.74	93.71	38.058			
9,000.00	6,962.92	6,695.00	6,451.61	65.49	33.78	81.74	1,157.70	352.11	3,591.09	3,495.17	95.92	37.439			
9,100.00	6,963.17	6,695.00	6,451.61	67.70	33.78	81.74	1,157.70	352.11	3,618.33	3,520.23	98.10	36.886			
9,200.00	6,963.42	6,695.00	6,451.61	69.97	33.78	81.74	1,157.70	352.11	3,648.10	3,547.86	100.23	36.396			
9,300.00	6,963.68	6,695.00	6,451.61	72.28	33.78	81.74	1,157.70	352.11	3,680.35	3,578.02	102.32	35.967			
9,400.00	6,963.93	6,695.00	6,451.61	74.64	33.78	81.74	1,157.70	352.11	3,715.01	3,610.65	104.36	35.597			
9,500.00	6,964.18	6,695.00	6,451.61	77.04	33.78	81.74	1,157.70	352.11	3,752.02	3,645.67	106.35	35.281			
9,600.00	6,964.43	6,695.00	6,451.61	79.48	33.78	81.74	1,157.70	352.11	3,791.30	3,683.03	108.27	35.017			
9,700.00	6,964.68	6,695.00	6,451.61	81.94	33.78	81.74	1,157.70	352.11	3,832.79	3,722.66	110.13	34.801			
9,800.00	6,964.94	6,695.00	6,451.61	84.43	33.78	81.74	1,157.70	352.11	3,876.42	3,764.49	111.93	34.632			
9,900.00	6,965.19	6,695.00	6,451.61	86.95	33.78	81.74	1,157.70	352.11	3,922.12	3,808.45	113.66	34.506			
10,000.00	6,965.44	6,695.00	6,451.61	89.49	33.78	81.74	1,157.70	352.11	3,969.80	3,854.47	115.33	34.421			
10,100.00	6,965.69	6,695.00	6,451.61	92.05	33.78	81.74	1,157.70	352.11	4,019.41	3,902.48	116.93	34.374			
10,200.00	6,965.94	6,695.00	6,451.61	94.63	33.78	81.74	1,157.70	352.11	4,070.87	3,952.40	118.47	34.362			
10,300.00	6,966.19	6,695.00	6,451.61	97.22	33.78	81.74	1,157.70	352.11	4,124.12	4,004.18	119.94	34.385			
10,400.00	6,966.45	6,695.00	6,451.61	99.83	33.78	81.74	1,157.70	352.11	4,179.08	4,057.73	121.35	34.439			
10,500.00	6,966.70	6,695.00	6,451.61	102.46	33.78	81.74	1,157.70	352.11	4,235.68	4,112.99	122.69	34.522			
10,600.00	6,966.95	6,695.00	6,451.61	105.09	33.78	81.74	1,157.70	352.11	4,293.88	4,169.90	123.98	34.634			
10,700.00	6,967.20	6,695.00	6,451.61	107.74	33.78	81.74	1,157.70	352.11	4,353.59	4,228.38	125.20	34.772			
10,800.00	6,967.45	6,695.00	6,451.61	110.41	33.78	81.74	1,157.70	352.11	4,414.75	4,288.38	126.37	34.934			
10,900.00	6,967.71	6,695.00	6,451.61	113.08	33.78	81.74	1,157.70	352.11	4,477.32	4,349.83	127.49	35.119			
11,000.00	6,967.96	6,695.00	6,451.61	115.76	33.78	81.74	1,157.70	352.11	4,541.22	4,412.68	128.55	35.327			
11,100.00	6,968.21	6,695.00	6,451.61	118.45	33.78	81.74	1,157.70	352.11	4,606.42	4,476.86	129.56	35.554			
11,200.00	6,968.46	6,695.00	6,451.61	121.15	33.78	81.74	1,157.70	352.11	4,672.84	4,542.32	130.52	35.802			
11,300.00	6,968.71	6,695.00	6,451.61	123.85	33.78	81.74	1,157.70	352.11	4,740.44	4,609.00	131.43	36.067			
11,400.00	6,968.97	6,695.00	6,451.61	126.56	33.78	81.74	1,157.70	352.11	4,809.17	4,676.86	132.30	36.349			
11,500.00	6,969.22	6,695.00	6,451.61	129.28	33.78	81.74	1,157.70	352.11	4,878.98	4,745.85	133.13	36.648			
11,600.00	6,969.47	6,695.00	6,451.61	132.01	33.78	81.74	1,157.70	352.11	4,949.82	4,815.91	133.92	36.962			
11,700.00	6,969.72	6,695.00	6,451.61	134.74	33.78	81.74	1,157.70	352.11	5,021.66	4,887.00	134.66	37.290			
11,800.00	6,969.97	6,695.00	6,451.61	137.48	33.78	81.74	1,157.70	352.11	5,094.45	4,959.08	135.38	37.632			
11,900.00	6,970.22	6,695.00	6,451.61	140.22	33.78	81.74	1,157.70	352.11	5,168.15	5,032.10	136.05	37.987			
12,000.00	6,970.48	6,695.00	6,451.61	142.97	33.78	81.74	1,157.70	352.11	5,242.72	5,106.03	136.69	38.354			
12,100.00	6,970.73	6,695.00	6,451.61	145.72	33.78	81.74	1,157.70	352.11	5,318.12	5,180.82	137.30	38.733			
12,200.00	6,970.98	6,695.00	6,451.61	148.47	33.78	81.74	1,157.70	352.11	5,394.33	5,256.45	137.88	39.123			
12,300.00	6,971.23	6,695.00	6,451.61	151.23	33.78	81.74	1,157.70	352.11	5,471.30	5,332.87	138.43	39.523			
12,400.00	6,971.48	6,654.46	6,411.41	154.00	33.63	81.08	1,155.44	347.38	5,547.74	5,408.98	138.76	39.981			
12,500.00	6,971.74	6,653.50	6,410.45	156.76	33.63	81.07	1,155.39	347.29	5,626.08	5,486.83	139.25	40.401			
12,600.00	6,971.99	6,652.56	6,409.53	159.53	33.62	81.05	1,155.34	347.22	5,705.10	5,565.37	139.73	40.830			
12,700.00	6,972.24	6,651.66	6,408.63	162.31	33.62	81.04	1,155.30	347.14	5,784.77	5,644.59	140.18	41.268			
12,800.00	6,972.49	6,650.79	6,407.76	165.09	33.62	81.02	1,155.25	347.07	5,865.06	5,724.46	140.60	41.714			
12,900.00	6,972.74	6,649.95	6,406.92	167.86	33.61	81.01	1,155.21	347.00	5,945.95	5,804.94	141.01	42.167			
13,002.01	6,973.00	6,649.12	6,406.09	170.70	33.61	81.00	1,155.17	346.93	6,029.05	5,887.64	141.40	42.637			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	133.55	-482.70	507.82	700.71					
100.00	100.00	95.72	95.72	3.28	3.29	133.53	-482.25	507.61	700.20	693.63	6.57	106.544		
200.00	200.00	203.24	203.22	3.34	3.31	133.48	-480.69	506.87	698.70	692.05	6.65	105.083		
300.00	300.00	310.71	310.65	3.44	3.35	133.39	-478.01	505.60	696.13	689.33	6.80	102.386		
400.00	399.98	417.99	417.84	3.60	3.41	-16.21	-474.21	503.81	690.81	683.80	7.01	98.524		
500.00	499.84	534.46	534.11	3.79	3.57	-16.67	-467.73	501.40	680.51	673.13	7.38	92.234		
600.00	599.45	645.30	644.45	4.02	3.79	-17.55	-457.47	499.49	664.69	656.84	7.85	84.722		
700.00	698.70	756.57	754.77	4.29	4.07	-18.97	-443.08	498.43	643.90	635.50	8.40	76.662		
800.00	797.47	870.46	866.99	4.60	4.40	-21.06	-423.70	497.41	617.69	608.65	9.04	68.351		
900.00	895.62	984.77	978.67	4.94	4.78	-23.96	-399.45	495.58	585.91	576.17	9.74	60.162		
1,000.00	993.06	1,086.78	1,077.56	5.31	5.14	-27.37	-374.60	492.49	549.26	538.83	10.43	52.641		
1,100.00	1,089.64	1,173.89	1,161.91	5.72	5.47	-30.96	-353.15	488.94	510.21	499.11	11.11	45.930		
1,200.00	1,185.27	1,269.60	1,254.57	6.17	5.86	-35.72	-329.66	484.09	469.52	457.66	11.86	39.574		
1,300.00	1,279.82	1,362.13	1,343.56	6.65	6.26	-41.69	-305.11	477.97	426.81	414.15	12.66	33.711		
1,400.00	1,373.17	1,438.25	1,416.25	7.17	6.60	-48.17	-283.05	473.02	384.97	371.48	13.49	28.536		
1,479.95	1,446.87	1,499.29	1,474.35	7.61	6.89	-54.41	-264.66	469.77	354.78	340.55	14.23	24.927		
1,500.00	1,465.24	1,514.94	1,489.23	7.72	6.96	-56.03	-259.86	468.92	347.81	333.38	14.43	24.100		
1,600.00	1,556.88	1,588.58	1,559.13	8.31	7.31	-64.23	-237.05	464.83	318.86	303.39	15.46	20.623		
1,700.00	1,648.52	1,659.92	1,627.21	8.92	7.65	-72.69	-215.92	461.99	302.69	286.17	16.52	18.326		
1,769.28	1,712.00	1,713.29	1,678.36	9.34	7.90	-79.12	-200.80	460.48	299.53	282.29	17.23	17.384 CC, ES		
1,800.00	1,740.15	1,738.94	1,703.02	9.54	8.02	-82.19	-193.73	459.74	300.08	282.53	17.54	17.106		
1,900.00	1,831.79	1,823.73	1,784.77	10.17	8.42	-92.06	-171.45	456.65	309.14	290.65	18.49	16.718 SF		
2,000.00	1,923.43	1,903.85	1,862.24	10.81	8.81	-100.77	-151.37	453.02	328.57	309.29	19.28	17.040		
2,100.00	2,015.06	1,979.44	1,935.21	11.46	9.17	-108.30	-131.98	449.41	357.86	337.94	19.93	17.958		
2,200.00	2,106.70	2,053.11	2,006.04	12.11	9.53	-114.87	-112.00	445.90	395.78	375.29	20.49	19.317		
2,300.00	2,198.34	2,128.62	2,078.46	12.78	9.91	-120.73	-90.94	442.25	440.01	418.95	21.05	20.901		
2,400.00	2,289.98	2,205.86	2,152.56	13.44	10.29	-125.78	-69.40	439.09	488.64	466.99	21.65	22.568		
2,500.00	2,381.61	2,271.47	2,215.38	14.11	10.62	-129.41	-50.59	436.96	541.06	518.95	22.11	24.469		
2,600.00	2,473.25	2,347.63	2,287.87	14.79	11.01	-133.05	-27.36	434.54	597.10	574.36	22.74	26.253		
2,700.00	2,564.89	2,431.84	2,368.38	15.47	11.44	-136.48	-2.89	431.29	653.57	630.06	23.51	27.795		
2,800.00	2,656.52	2,509.97	2,443.12	16.15	11.84	-139.15	19.75	428.75	711.29	687.07	24.21	29.375		
2,900.00	2,748.16	2,601.26	2,530.83	16.83	12.31	-141.82	44.82	425.53	768.71	743.60	25.11	30.615		
3,000.00	2,839.80	2,670.74	2,597.62	17.52	12.66	-143.52	63.87	423.86	826.89	801.17	25.72	32.152		
3,100.00	2,931.43	2,740.96	2,664.96	18.20	13.02	-145.00	83.79	422.74	886.38	860.02	26.35	33.635		
3,200.00	3,023.07	2,806.83	2,727.92	18.89	13.36	-146.26	103.07	421.38	947.07	920.13	26.94	35.159		
3,300.00	3,114.71	2,871.30	2,789.28	19.58	13.69	-147.34	122.84	420.51	1,009.18	981.67	27.51	36.680		
3,400.00	3,206.35	2,948.93	2,863.06	20.27	14.10	-148.50	146.95	419.42	1,071.92	1,043.63	28.29	37.892		
3,500.00	3,297.98	3,038.12	2,948.00	20.97	14.57	-149.71	174.10	417.72	1,134.45	1,105.22	29.23	38.814		
3,600.00	3,389.62	3,156.59	3,061.76	21.66	15.18	-151.14	207.08	415.33	1,194.98	1,164.44	30.54	39.125		
3,700.00	3,481.26	3,215.49	3,118.42	22.36	15.48	-151.78	223.12	414.16	1,255.35	1,224.27	31.07	40.398		
3,800.00	3,572.89	3,277.08	3,177.40	23.05	15.80	-152.39	240.78	412.89	1,317.02	1,285.37	31.65	41.618		
3,900.00	3,664.53	3,371.99	3,268.14	23.75	16.30	-153.27	268.54	410.59	1,379.49	1,346.83	32.66	42.239		
4,000.00	3,756.17	3,480.73	3,373.04	24.45	16.85	-154.22	296.98	407.53	1,439.32	1,405.49	33.83	42.542		
4,100.00	3,847.80	3,543.73	3,433.85	25.14	17.18	-154.77	313.20	404.72	1,499.41	1,464.98	34.43	43.548		
4,200.00	3,939.44	3,604.00	3,491.74	25.84	17.49	-155.29	329.62	401.40	1,560.89	1,525.89	35.00	44.601		
4,300.00	4,031.08	3,682.87	3,567.39	26.54	17.90	-155.92	351.49	396.87	1,622.97	1,587.17	35.80	45.333		
4,400.00	4,122.72	3,787.01	3,667.61	27.24	18.44	-156.67	379.31	391.71	1,684.24	1,647.32	36.92	45.618		
4,500.00	4,214.35	3,844.76	3,723.22	27.94	18.74	-157.04	394.67	389.29	1,745.39	1,707.92	37.47	46.583		
4,600.00	4,305.99	3,883.00	3,759.94	28.64	18.94	-157.26	405.26	387.79	1,807.70	1,769.94	37.77	47.862		
4,700.00	4,397.63	3,929.77	3,804.58	29.35	19.19	-157.52	419.10	386.01	1,871.47	1,833.29	38.18	49.018		
4,800.00	4,489.26	3,976.00	3,848.27	30.05	19.44	-157.75	434.09	384.30	1,937.10	1,898.52	38.58	50.209		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,900.00	4,580.90	4,002.77	3,873.40	30.75	19.59	-157.87	443.28	383.28	2,004.11	1,965.39	38.72	51.761		
5,000.00	4,672.54	4,044.00	3,911.91	31.45	19.83	-158.06	457.89	381.56	2,072.39	2,033.34	39.05	53.066		
5,100.00	4,764.17	4,101.49	3,965.33	32.16	20.15	-158.31	479.00	378.89	2,141.70	2,102.08	39.62	54.056		
5,200.00	4,855.81	4,204.26	4,061.03	32.86	20.74	-158.76	516.05	373.63	2,210.73	2,169.91	40.82	54.152		
5,300.00	4,947.45	4,511.68	4,354.60	33.56	22.39	-160.04	605.24	358.55	2,271.49	2,226.95	44.54	50.999		
5,400.00	5,039.08	4,582.51	4,423.01	34.27	22.75	-160.30	623.35	355.55	2,332.29	2,287.03	45.27	51.525		
5,500.00	5,130.72	4,651.28	4,489.38	34.97	23.11	-160.54	641.16	352.82	2,393.35	2,347.38	45.97	52.063		
5,600.00	5,222.36	4,710.02	4,545.94	35.68	23.41	-160.71	656.92	351.05	2,454.97	2,408.41	46.56	52.726		
5,700.00	5,314.00	4,844.93	4,676.18	36.38	24.10	-161.09	691.85	347.11	2,515.73	2,467.70	48.03	52.377		
5,800.00	5,405.63	4,903.42	4,732.73	37.08	24.40	-161.26	706.63	345.09	2,576.26	2,527.64	48.62	52.986		
5,900.00	5,497.27	4,969.78	4,796.79	37.79	24.74	-161.44	723.82	342.70	2,637.34	2,588.03	49.30	53.491		
6,000.00	5,588.91	5,046.00	4,870.28	38.50	25.14	-161.65	743.75	339.70	2,698.71	2,648.61	50.10	53.866		
6,100.00	5,680.54	5,116.78	4,938.57	39.20	25.50	-161.84	762.16	336.72	2,760.07	2,709.24	50.84	54.295		
6,200.00	5,772.18	5,801.67	5,611.81	39.91	28.62	-163.36	874.60	326.12	2,815.28	2,758.13	57.14	49.268		
6,300.00	5,863.82	5,876.31	5,686.33	40.61	28.91	-163.54	878.65	325.77	2,858.85	2,800.94	57.90	49.373		
6,400.00	5,955.45	5,936.00	5,745.90	41.32	29.14	-163.68	882.41	325.00	2,903.34	2,844.79	58.56	49.581		
6,500.00	6,047.09	6,124.31	5,933.95	42.02	29.87	-164.12	891.88	322.98	2,946.74	2,886.67	60.07	49.053		
6,600.00	6,138.73	6,265.93	6,075.51	42.73	30.40	-164.42	895.89	322.84	2,988.11	2,926.86	61.25	48.789		
6,700.00	6,230.37	6,400.39	6,209.97	43.44	30.89	-164.73	896.92	322.16	3,027.67	2,965.32	62.35	48.558		
6,712.03	6,241.39	6,414.52	6,224.10	43.52	30.94	-164.76	896.93	322.08	3,032.37	2,969.90	62.47	48.540		
6,750.00	6,276.38	6,446.10	6,255.67	43.78	31.06	-173.53	897.00	321.95	3,046.98	2,984.20	62.78	48.536		
6,800.00	6,322.91	7,867.00	7,139.87	44.09	38.56	-170.37	910.61	1,156.03	3,064.64	2,992.13	72.50	42.269		
6,850.00	6,369.70	7,867.00	7,139.87	44.36	38.56	177.32	910.61	1,156.03	3,069.31	2,996.31	73.01	42.042		
6,900.00	6,416.45	7,867.00	7,139.87	44.59	38.56	165.09	910.61	1,156.03	3,074.71	3,001.23	73.48	41.844		
6,950.00	6,462.87	7,867.00	7,139.87	44.79	38.56	153.88	910.61	1,156.03	3,080.80	3,006.87	73.93	41.672		
7,000.00	6,508.69	7,849.25	7,139.78	44.95	38.31	143.90	910.34	1,138.29	3,087.45	3,013.38	74.07	41.684		
7,050.00	6,553.61	7,841.22	7,139.74	45.09	38.20	135.71	910.23	1,130.26	3,094.69	3,020.34	74.35	41.624		
7,100.00	6,597.37	7,831.06	7,139.71	45.20	38.06	128.91	910.13	1,120.10	3,102.40	3,027.81	74.58	41.597		
7,150.00	6,639.68	7,818.84	7,139.69	45.30	37.90	123.24	910.03	1,107.88	3,110.49	3,035.72	74.78	41.597		
7,200.00	6,680.29	7,804.63	7,139.69	45.39	37.70	118.46	909.96	1,093.66	3,118.88	3,043.95	74.93	41.621		
7,250.00	6,718.96	7,788.50	7,139.71	45.48	37.48	114.39	909.93	1,077.54	3,127.46	3,052.40	75.06	41.664		
7,300.00	6,755.43	7,757.49	7,139.79	45.57	37.08	110.70	910.00	1,046.53	3,136.12	3,061.15	74.97	41.831		
7,350.00	6,789.49	7,703.39	7,139.11	45.67	36.44	107.21	909.83	992.44	3,144.33	3,069.76	74.57	42.169		
7,400.00	6,820.93	7,678.61	7,138.02	45.77	36.17	104.54	909.86	967.68	3,152.28	3,077.63	74.65	42.228		
7,450.00	6,849.55	7,653.21	7,136.26	45.89	35.90	102.21	910.05	942.34	3,159.95	3,085.20	74.75	42.272		
7,500.00	6,875.17	7,500.00	7,123.97	46.02	34.61	99.53	910.78	863.51	3,166.80	3,093.39	73.41	43.139		
7,550.00	6,897.64	7,506.87	7,109.53	46.17	34.67	97.34	911.07	798.79	3,172.71	3,098.86	73.85	42.961		
7,600.00	6,916.82	7,488.72	7,103.89	46.35	34.56	95.96	911.26	781.54	3,177.89	3,103.67	74.22	42.817		
7,650.00	6,932.60	7,470.35	7,097.66	46.55	34.46	94.79	911.59	764.26	3,182.54	3,107.92	74.63	42.646		
7,700.00	6,944.86	7,700.00	7,073.54	46.78	35.80	93.39	913.13	711.63	3,186.61	3,109.90	76.71	41.542		
7,750.00	6,953.55	7,186.78	6,942.22	47.04	33.54	90.05	911.20	530.11	3,187.17	3,113.94	73.23	43.525		
7,800.00	6,958.59	7,164.42	6,925.89	47.33	33.48	89.57	910.62	514.85	3,187.11	3,113.33	73.78	43.200		
7,842.10	6,960.00	7,128.41	6,898.65	47.60	33.38	89.09	909.73	491.33	3,186.37	3,112.24	74.13	42.983		
7,900.00	6,960.15	7,062.64	6,845.90	48.01	33.19	88.14	907.63	452.14	3,184.94	3,110.40	74.53	42.733		
8,000.00	6,960.40	6,966.00	6,762.94	48.86	32.89	86.64	903.27	402.86	3,183.48	3,108.00	75.48	42.174		
8,017.30	6,960.44	6,966.00	6,762.94	49.02	32.89	86.64	903.27	402.86	3,183.43	3,107.62	75.81	41.992		
8,100.00	6,960.65	6,943.45	6,742.80	49.87	32.82	86.28	902.14	392.78	3,184.34	3,107.16	77.18	41.258		
8,200.00	6,960.91	6,924.71	6,725.81	51.06	32.76	85.97	901.31	384.93	3,188.06	3,109.04	79.02	40.346		
8,300.00	6,961.16	6,908.11	6,710.57	52.41	32.70	85.70	900.65	378.38	3,194.69	3,113.73	80.96	39.460		
8,400.00	6,961.41	6,872.00	6,676.86	53.93	32.58	85.09	899.50	365.48	3,204.42	3,121.62	82.81	38.698		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,500.00	6,961.66	6,872.00	6,676.86	55.59	32.58	85.09	899.50	365.48	3,216.74	3,131.75	84.99	37.848		
8,600.00	6,961.91	6,872.00	6,676.86	57.37	32.58	85.09	899.50	365.48	3,232.11	3,144.91	87.20	37.066		
8,700.00	6,962.16	6,872.00	6,676.86	59.27	32.58	85.09	899.50	365.48	3,250.48	3,161.07	89.41	36.354		
8,800.00	6,962.42	6,872.00	6,676.86	61.26	32.58	85.09	899.50	365.48	3,271.81	3,180.20	91.62	35.712		
8,900.00	6,962.67	6,839.01	6,645.51	63.34	32.47	84.53	898.81	355.25	3,295.49	3,201.93	93.56	35.223		
9,000.00	6,962.92	6,830.74	6,637.58	65.49	32.44	84.38	898.70	352.91	3,322.21	3,226.55	95.66	34.730		
9,100.00	6,963.17	6,823.07	6,630.21	67.70	32.41	84.25	898.61	350.82	3,351.64	3,253.92	97.72	34.299		
9,200.00	6,963.42	6,815.95	6,623.34	69.97	32.39	84.13	898.55	348.94	3,383.71	3,283.98	99.73	33.927		
9,300.00	6,963.68	6,777.00	6,585.45	72.28	32.25	83.45	898.53	339.90	3,418.95	3,317.47	101.48	33.692		
9,400.00	6,963.93	6,777.00	6,585.45	74.64	32.25	83.45	898.53	339.90	3,455.90	3,352.47	103.43	33.412		
9,500.00	6,964.18	6,777.00	6,585.45	77.04	32.25	83.45	898.53	339.90	3,495.32	3,390.00	105.32	33.186		
9,600.00	6,964.43	6,777.00	6,585.45	79.48	32.25	83.45	898.53	339.90	3,537.14	3,429.99	107.15	33.012		
9,700.00	6,964.68	6,777.00	6,585.45	81.94	32.25	83.45	898.53	339.90	3,581.25	3,472.36	108.90	32.887		
9,800.00	6,964.94	6,777.00	6,585.45	84.43	32.25	83.45	898.53	339.90	3,627.59	3,517.01	110.58	32.806		
9,900.00	6,965.19	6,777.00	6,585.45	86.95	32.25	83.45	898.53	339.90	3,676.06	3,563.88	112.18	32.768		
10,000.00	6,965.44	6,777.00	6,585.45	89.49	32.25	83.45	898.53	339.90	3,726.59	3,612.87	113.72	32.770		
10,100.00	6,965.69	6,777.00	6,585.45	92.05	32.25	83.45	898.53	339.90	3,779.09	3,663.91	115.19	32.809		
10,200.00	6,965.94	6,777.00	6,585.45	94.63	32.25	83.45	898.53	339.90	3,833.48	3,716.90	116.58	32.883		
10,300.00	6,966.19	6,777.00	6,585.45	97.22	32.25	83.45	898.53	339.90	3,889.68	3,771.77	117.91	32.989		
10,400.00	6,966.45	6,777.00	6,585.45	99.83	32.25	83.45	898.53	339.90	3,947.61	3,828.44	119.17	33.126		
10,500.00	6,966.70	6,777.00	6,585.45	102.46	32.25	83.45	898.53	339.90	4,007.21	3,886.84	120.37	33.291		
10,600.00	6,966.95	6,743.18	6,552.20	105.09	32.13	82.86	898.65	333.72	4,067.80	3,946.46	121.34	33.524		
10,700.00	6,967.20	6,739.52	6,548.59	107.74	32.12	82.80	898.65	333.15	4,130.35	4,007.94	122.40	33.743		
10,800.00	6,967.45	6,736.09	6,545.20	110.41	32.11	82.74	898.65	332.63	4,194.33	4,070.92	123.41	33.986		
10,900.00	6,967.71	6,732.88	6,542.02	113.08	32.10	82.68	898.65	332.15	4,259.69	4,135.33	124.37	34.251		
11,000.00	6,967.96	6,729.85	6,539.03	115.76	32.09	82.63	898.65	331.72	4,326.37	4,201.10	125.27	34.536		
11,100.00	6,968.21	6,727.00	6,536.20	118.45	32.08	82.58	898.65	331.33	4,394.30	4,268.17	126.13	34.840		
11,200.00	6,968.46	6,724.31	6,533.54	121.15	32.07	82.53	898.64	330.97	4,463.42	4,336.49	126.94	35.163		
11,300.00	6,968.71	6,721.76	6,531.01	123.85	32.06	82.48	898.64	330.63	4,533.70	4,405.99	127.70	35.502		
11,400.00	6,968.97	6,719.35	6,528.63	126.56	32.05	82.44	898.63	330.32	4,605.06	4,476.64	128.43	35.857		
11,500.00	6,969.22	6,682.00	6,491.46	129.28	31.92	81.78	898.44	326.60	4,678.18	4,549.24	128.94	36.282		
11,600.00	6,969.47	6,682.00	6,491.46	132.01	31.92	81.78	898.44	326.60	4,751.50	4,621.91	129.60	36.663		
11,700.00	6,969.72	6,682.00	6,491.46	134.74	31.92	81.78	898.44	326.60	4,825.79	4,695.56	130.22	37.058		
11,800.00	6,969.97	6,682.00	6,491.46	137.48	31.92	81.78	898.44	326.60	4,900.98	4,770.17	130.81	37.466		
11,900.00	6,970.22	6,682.00	6,491.46	140.22	31.92	81.78	898.44	326.60	4,977.06	4,845.69	131.37	37.886		
12,000.00	6,970.48	6,682.00	6,491.46	142.97	31.92	81.78	898.44	326.60	5,053.96	4,922.06	131.90	38.318		
12,100.00	6,970.73	6,682.00	6,491.46	145.72	31.92	81.78	898.44	326.60	5,131.66	4,999.27	132.39	38.760		
12,200.00	6,970.98	6,682.00	6,491.46	148.47	31.92	81.78	898.44	326.60	5,210.12	5,077.26	132.87	39.213		
12,300.00	6,971.23	6,682.00	6,491.46	151.23	31.92	81.78	898.44	326.60	5,289.31	5,156.00	133.31	39.676		
12,400.00	6,971.48	6,682.00	6,491.46	154.00	31.92	81.78	898.44	326.60	5,369.19	5,235.46	133.73	40.149		
12,500.00	6,971.74	6,682.00	6,491.46	156.76	31.92	81.78	898.44	326.60	5,449.74	5,315.61	134.13	40.630		
12,600.00	6,971.99	6,682.00	6,491.46	159.53	31.92	81.78	898.44	326.60	5,530.92	5,396.41	134.51	41.119		
12,700.00	6,972.24	6,682.00	6,491.46	162.31	31.92	81.78	898.44	326.60	5,612.71	5,477.84	134.87	41.617		
12,800.00	6,972.49	6,682.00	6,491.46	165.09	31.92	81.78	898.44	326.60	5,695.08	5,559.88	135.20	42.122		
12,900.00	6,972.74	6,682.00	6,491.46	167.86	31.92	81.78	898.44	326.60	5,778.01	5,642.48	135.52	42.634		
13,002.01	6,973.00	6,682.00	6,491.46	170.70	31.92	81.78	898.44	326.60	5,863.15	5,727.32	135.83	43.164		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	140.88	-622.95	506.71	803.09					
100.00	100.00	89.76	89.76	3.28	3.29	140.89	-623.08	506.49	802.97	796.40	6.57	122.206		
200.00	200.00	190.80	190.80	3.34	3.31	140.95	-623.51	505.72	802.82	796.17	6.65	120.705		
276.63	276.63	268.71	268.70	3.41	3.38	141.01	-623.84	504.94	802.59	795.79	6.79	118.115		
300.00	300.00	283.06	283.05	3.44	3.40	141.03	-624.02	504.85	802.68	795.84	6.84	117.336		
400.00	399.98	356.53	356.48	3.60	3.49	-8.29	-626.22	504.96	803.38	796.28	7.10	113.138		
500.00	499.84	439.34	439.13	3.79	3.63	-8.12	-631.38	505.29	803.31	795.87	7.44	107.914		
600.00	599.45	516.87	516.32	4.02	3.80	-7.90	-638.51	505.74	802.24	794.38	7.86	102.103		
700.00	698.70	600.06	598.94	4.29	4.00	-7.65	-648.21	507.11	800.30	791.97	8.34	95.969		
800.00	797.47	682.99	681.04	4.60	4.23	-7.35	-659.80	508.53	796.86	787.98	8.88	89.761		
900.00	895.62	763.44	760.28	4.94	4.47	-6.95	-673.59	509.61	792.30	782.83	9.46	83.735		
1,000.00	993.06	845.15	840.18	5.31	4.75	-6.39	-690.67	509.93	786.81	776.72	10.09	77.943		
1,100.00	1,089.64	932.15	924.65	5.72	5.08	-5.62	-711.48	509.15	779.75	768.98	10.78	72.358		
1,200.00	1,185.27	1,017.35	1,006.60	6.17	5.42	-4.65	-734.64	506.80	771.14	759.64	11.50	67.075		
1,300.00	1,279.82	1,108.51	1,093.79	6.65	5.82	-3.51	-761.10	503.82	760.67	748.39	12.27	61.982		
1,400.00	1,373.17	1,203.39	1,184.28	7.17	6.25	-2.25	-789.40	500.56	747.72	734.63	13.10	57.099		
1,479.95	1,446.87	1,281.02	1,258.31	7.61	6.61	-1.18	-812.66	498.01	735.33	721.55	13.78	53.350		
1,500.00	1,465.24	1,300.48	1,276.89	7.72	6.71	-0.92	-818.44	497.46	731.99	718.03	13.96	52.435		
1,600.00	1,556.88	1,391.40	1,363.43	8.31	7.15	0.41	-846.14	494.53	716.05	701.24	14.82	48.332		
1,700.00	1,648.52	1,494.79	1,461.46	8.92	7.68	2.17	-878.51	489.12	700.47	684.72	15.75	44.477		
1,800.00	1,740.15	1,594.11	1,555.45	9.54	8.19	4.09	-909.83	482.00	684.93	668.25	16.68	41.053		
1,900.00	1,831.79	1,694.11	1,650.31	10.17	8.71	6.06	-940.69	475.13	669.66	652.02	17.64	37.970		
2,000.00	1,923.43	1,788.90	1,740.40	10.81	9.21	7.96	-969.61	469.15	655.02	636.45	18.58	35.261		
2,100.00	2,015.06	1,901.62	1,848.17	11.46	9.80	10.17	-1,002.05	463.07	639.80	620.19	19.61	32.630		
2,200.00	2,106.70	2,002.84	1,945.46	12.11	10.33	12.17	-1,029.53	458.04	623.91	603.32	20.59	30.299		
2,300.00	2,198.34	2,105.74	2,044.69	12.78	10.86	14.20	-1,056.39	453.71	607.96	586.37	21.59	28.159		
2,400.00	2,289.98	2,205.34	2,140.98	13.44	11.38	16.30	-1,081.42	449.09	591.69	569.10	22.59	26.195		
2,500.00	2,381.61	2,294.11	2,226.75	14.11	11.84	18.24	-1,103.97	445.24	576.55	552.99	23.56	24.476		
2,600.00	2,473.25	2,391.05	2,320.09	14.79	12.35	20.42	-1,129.93	441.66	563.71	539.13	24.57	22.938		
2,700.00	2,564.89	2,491.53	2,417.24	15.47	12.87	22.73	-1,155.35	438.33	550.28	524.66	25.63	21.473		
2,800.00	2,656.52	2,583.08	2,505.65	16.15	13.35	24.88	-1,178.98	435.75	538.32	511.66	26.65	20.196		
2,900.00	2,748.16	2,672.32	2,591.60	16.83	13.83	26.97	-1,202.92	434.13	528.33	500.64	27.69	19.083		
3,000.00	2,839.80	2,769.10	2,684.42	17.52	14.35	29.39	-1,230.17	431.56	520.58	491.79	28.79	18.083		
3,100.00	2,931.43	2,864.71	2,776.33	18.20	14.87	31.93	-1,256.35	428.38	513.11	483.20	29.91	17.155		
3,200.00	3,023.07	2,954.90	2,862.65	18.89	15.36	34.48	-1,282.17	424.34	508.11	477.09	31.02	16.379		
3,300.00	3,114.71	3,057.44	2,960.67	19.58	15.93	37.41	-1,311.91	419.84	504.76	472.50	32.26	15.647		
3,400.00	3,206.35	3,155.08	3,054.48	20.27	16.46	40.24	-1,338.70	415.76	501.06	467.58	33.48	14.964		
3,500.00	3,297.98	3,248.55	3,144.05	20.97	16.97	42.98	-1,365.12	411.69	499.50	464.80	34.70	14.395		
3,600.00	3,389.62	3,358.37	3,249.48	21.66	17.57	46.20	-1,395.49	407.21	498.66	462.58	36.08	13.819		
3,681.02	3,463.86	3,431.95	3,320.47	22.22	17.97	48.34	-1,414.72	404.86	497.50	460.42	37.09	13.414		
3,700.00	3,481.26	3,447.84	3,335.74	22.36	18.05	48.80	-1,419.03	404.25	497.57	460.26	37.31	13.336		
3,800.00	3,572.89	3,551.46	3,435.38	23.05	18.61	51.84	-1,447.22	400.28	498.79	460.11	38.69	12.892		
3,900.00	3,664.53	3,648.86	3,529.32	23.75	19.14	54.60	-1,472.80	397.68	499.92	459.90	40.02	12.491		
4,000.00	3,756.17	3,741.04	3,618.03	24.45	19.64	57.11	-1,497.77	395.71	502.74	461.43	41.31	12.169		
4,100.00	3,847.80	3,830.94	3,704.22	25.14	20.14	59.47	-1,523.23	393.63	507.84	465.26	42.58	11.927		
4,200.00	3,939.44	3,925.19	3,794.22	25.84	20.66	61.82	-1,551.17	391.56	515.04	471.14	43.90	11.733		
4,300.00	4,031.08	4,021.86	3,886.38	26.54	21.21	64.11	-1,580.27	389.64	523.43	478.19	45.25	11.569		
4,400.00	4,122.72	4,116.68	3,976.67	27.24	21.75	66.26	-1,609.18	387.84	532.93	486.36	46.57	11.444		
4,500.00	4,214.35	4,211.67	4,066.95	27.94	22.29	68.30	-1,638.67	386.00	543.68	495.79	47.90	11.352		
4,600.00	4,305.99	4,313.57	4,163.90	28.64	22.87	70.45	-1,669.93	383.76	555.04	505.73	49.32	11.255		
4,700.00	4,397.63	4,415.66	4,261.39	29.35	23.44	72.59	-1,700.19	381.70	566.24	515.50	50.74	11.160		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,800.00	4,489.26	4,500.69	4,342.65	30.05	23.92	74.40	-1,725.04	378.82	578.81	526.89	51.91	11.149			
4,900.00	4,580.90	4,597.49	4,435.19	30.75	24.46	76.52	-1,753.01	373.82	593.21	539.95	53.26	11.138			
5,000.00	4,672.54	4,698.04	4,531.54	31.45	25.02	78.69	-1,781.22	368.39	608.06	553.40	54.65	11.126			
5,100.00	4,764.17	4,807.95	4,637.38	32.16	25.62	81.04	-1,810.35	362.95	622.41	566.24	56.16	11.082			
5,200.00	4,855.81	4,894.78	4,721.24	32.86	26.09	82.89	-1,832.44	358.65	636.95	579.62	57.33	11.110			
5,300.00	4,947.45	4,992.40	4,815.43	33.56	26.61	84.92	-1,857.40	352.74	653.25	594.61	58.64	11.140			
5,400.00	5,039.08	5,090.47	4,910.20	34.27	27.14	86.89	-1,881.95	347.01	669.87	609.93	59.94	11.175			
5,500.00	5,130.72	5,186.43	5,002.88	34.97	27.66	88.69	-1,906.28	341.76	687.08	625.88	61.20	11.227			
5,600.00	5,222.36	5,293.26	5,106.12	35.68	28.23	90.58	-1,933.24	336.61	704.33	641.74	62.60	11.252			
5,700.00	5,314.00	5,408.92	5,218.41	36.38	28.83	92.58	-1,960.69	332.86	720.18	656.10	64.07	11.240			
5,800.00	5,405.63	5,526.64	5,333.85	37.08	29.42	94.83	-1,983.55	330.57	733.69	668.19	65.50	11.202			
5,900.00	5,497.27	5,637.60	5,443.32	37.79	29.94	97.07	-2,001.68	329.70	745.85	679.06	66.79	11.167			
6,000.00	5,588.91	5,741.57	5,546.24	38.50	30.42	99.24	-2,016.41	329.88	757.30	689.31	67.99	11.139			
6,100.00	5,680.54	5,837.89	5,641.94	39.20	30.84	101.39	-2,027.18	329.62	769.23	700.14	69.09	11.134			
6,200.00	5,772.18	5,927.92	5,731.64	39.91	31.22	103.52	-2,034.77	328.44	782.53	712.44	70.09	11.165			
6,300.00	5,863.82	6,023.52	5,826.99	40.61	31.61	105.83	-2,041.48	326.55	797.40	726.31	71.09	11.217			
6,400.00	5,955.45	6,120.90	5,924.18	41.32	32.00	108.15	-2,047.32	324.89	813.13	741.07	72.06	11.285			
6,500.00	6,047.09	6,224.01	6,027.17	42.02	32.41	110.61	-2,052.07	323.76	829.42	756.39	73.03	11.358			
6,600.00	6,138.73	6,321.39	6,124.52	42.73	32.78	112.99	-2,054.15	323.34	846.16	772.27	73.90	11.450			
6,700.00	6,230.37	6,403.65	6,206.78	43.44	33.08	114.97	-2,055.25	322.64	864.64	790.05	74.60	11.591			
6,712.03	6,241.39	6,413.58	6,216.71	43.52	33.12	115.21	-2,055.39	322.50	867.03	792.35	74.68	11.610			
6,750.00	6,276.38	7,982.21	7,095.77	43.78	39.68	178.95	-2,060.74	1,205.35	831.35	806.69	24.66	33.716			
6,800.00	6,322.91	7,987.25	7,095.70	44.09	39.76	-178.64	-2,060.87	1,210.39	784.14	758.44	25.70	30.510			
6,850.00	6,369.70	7,988.44	7,095.68	44.36	39.78	-177.72	-2,060.90	1,211.58	737.06	710.18	26.89	27.414			
6,900.00	6,416.45	7,985.73	7,095.72	44.59	39.73	-178.67	-2,060.83	1,208.87	690.48	662.23	28.25	24.440			
6,950.00	6,462.87	7,979.13	7,095.81	44.79	39.63	178.97	-2,060.66	1,202.28	644.78	614.94	29.84	21.609			
7,000.00	6,508.69	7,968.67	7,095.96	44.95	39.46	175.92	-2,060.40	1,191.82	600.34	568.65	31.69	18.946			
7,050.00	6,553.61	7,954.39	7,096.16	45.09	39.23	172.65	-2,060.05	1,177.55	557.55	523.72	33.83	16.480			
7,100.00	6,597.37	7,936.36	7,096.42	45.20	38.95	169.37	-2,059.63	1,159.53	516.80	480.50	36.30	14.236			
7,150.00	6,639.68	7,914.46	7,096.74	45.30	38.61	166.07	-2,059.15	1,137.63	478.49	439.38	39.11	12.233			
7,200.00	6,680.29	7,888.10	7,097.14	45.39	38.23	162.68	-2,058.81	1,111.27	442.94	400.70	42.24	10.486			
7,250.00	6,718.96	7,857.83	7,097.62	45.48	37.80	159.22	-2,058.81	1,081.01	410.42	364.82	45.60	9.000			
7,300.00	6,755.43	7,823.87	7,098.18	45.57	37.31	155.68	-2,059.32	1,047.06	381.12	332.02	49.10	7.762			
7,350.00	6,789.49	7,787.82	7,098.68	45.67	36.85	152.15	-2,059.99	1,011.02	355.17	302.47	52.70	6.739			
7,400.00	6,820.93	7,749.51	7,099.00	45.77	36.37	148.50	-2,060.49	972.71	332.75	276.42	56.33	5.907			
7,450.00	6,849.55	7,709.17	7,099.13	45.89	36.03	144.77	-2,060.81	932.37	313.90	254.04	59.86	5.244			
7,500.00	6,875.17	7,666.82	7,099.11	46.02	35.98	141.00	-2,061.04	890.03	298.54	235.41	63.13	4.729			
7,550.00	6,897.64	7,621.02	7,098.88	46.17	35.98	137.16	-2,061.19	844.22	286.38	220.38	65.99	4.340			
7,600.00	6,916.82	7,570.84	7,097.49	46.35	35.98	133.19	-2,061.19	794.07	276.54	208.09	68.45	4.040			
7,650.00	6,932.60	7,520.75	7,094.59	46.55	35.98	129.50	-2,060.91	744.07	268.56	197.99	70.57	3.805			
7,700.00	6,944.86	7,471.54	7,089.72	46.78	35.97	126.01	-2,059.69	695.11	262.35	189.88	72.47	3.620			
7,750.00	6,953.55	7,422.64	7,082.78	47.04	35.97	122.70	-2,057.40	646.77	257.77	183.68	74.09	3.479			
7,800.00	6,958.59	7,327.44	7,053.86	47.33	35.89	114.84	-2,053.37	556.64	251.07	175.56	75.51	3.325			
7,842.10	6,960.00	7,266.63	7,020.13	47.60	35.80	107.71	-2,052.86	506.19	241.03	164.70	76.34	3.158			
7,900.00	6,960.15	7,211.47	6,980.77	48.01	35.69	98.08	-2,053.07	467.67	227.84	151.26	76.59	2.975			
7,965.26	6,960.31	7,171.52	6,949.14	48.55	35.60	89.96	-2,053.17	443.26	221.71	144.95	76.76	2.888 CC, ES, SF			
8,000.00	6,960.40	7,150.69	6,931.99	48.86	35.54	85.52	-2,053.21	431.44	223.48	147.02	76.47	2.923			
8,100.00	6,960.65	7,100.53	6,889.18	49.87	35.41	74.74	-2,053.96	405.35	248.54	172.66	75.87	3.276			
8,200.00	6,960.91	7,062.53	6,855.46	51.06	35.31	66.82	-2,055.11	387.88	298.82	222.46	76.37	3.913			
8,300.00	6,961.16	7,033.57	6,829.09	52.41	35.22	61.16	-2,055.96	375.92	366.02	288.64	77.38	4.730			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 28N-18B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 166-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,400.00	6,961.41	7,009.61	6,806.90	53.93	35.15	56.81	-2,056.56	366.91	443.37	365.16	78.21	5.669		
8,500.00	6,961.66	6,979.00	6,778.09	55.59	35.06	51.73	-2,057.19	356.61	527.08	448.79	78.29	6.733		
8,600.00	6,961.91	6,979.00	6,778.09	57.37	35.06	51.73	-2,057.19	356.61	614.42	534.92	79.51	7.728		
8,700.00	6,962.16	6,957.76	6,757.82	59.27	34.99	48.53	-2,057.55	350.25	704.48	624.91	79.57	8.854		
8,800.00	6,962.42	6,945.05	6,745.61	61.26	34.95	46.74	-2,057.73	346.77	796.48	716.69	79.79	9.982		
8,900.00	6,962.67	6,933.95	6,734.88	63.34	34.91	45.25	-2,057.88	343.93	889.86	809.90	79.95	11.130		
9,000.00	6,962.92	6,924.18	6,725.39	65.49	34.88	44.00	-2,058.01	341.58	984.28	904.20	80.07	12.292		
9,100.00	6,963.17	6,915.51	6,716.95	67.70	34.86	42.92	-2,058.10	339.62	1,079.51	999.34	80.16	13.467		
9,200.00	6,963.42	6,886.00	6,688.03	69.97	34.76	39.56	-2,058.38	333.78	1,175.94	1,095.98	79.96	14.707		
9,300.00	6,963.68	6,886.00	6,688.03	72.28	34.76	39.56	-2,058.38	333.78	1,272.02	1,191.90	80.12	15.876		
9,400.00	6,963.93	6,886.00	6,688.03	74.64	34.76	39.56	-2,058.38	333.78	1,368.65	1,288.42	80.23	17.058		
9,500.00	6,964.18	6,886.00	6,688.03	77.04	34.76	39.56	-2,058.38	333.78	1,465.74	1,385.43	80.32	18.250		
9,600.00	6,964.43	6,886.00	6,688.03	79.48	34.76	39.56	-2,058.38	333.78	1,563.20	1,482.82	80.37	19.449		
9,700.00	6,964.68	6,886.00	6,688.03	81.94	34.76	39.56	-2,058.38	333.78	1,660.96	1,580.54	80.42	20.655		
9,800.00	6,964.94	6,886.00	6,688.03	84.43	34.76	39.56	-2,058.38	333.78	1,758.97	1,678.52	80.44	21.865		
9,900.00	6,965.19	6,886.00	6,688.03	86.95	34.76	39.56	-2,058.38	333.78	1,857.19	1,776.72	80.47	23.080		
10,000.00	6,965.44	6,857.97	6,660.38	89.49	34.66	36.75	-2,058.42	329.20	1,955.04	1,874.68	80.36	24.329		
10,100.00	6,965.69	6,852.71	6,655.17	92.05	34.65	36.27	-2,058.39	328.41	2,053.38	1,973.02	80.36	25.552		
10,200.00	6,965.94	6,847.75	6,650.26	94.63	34.63	35.82	-2,058.35	327.69	2,151.85	2,071.48	80.36	26.776		
10,300.00	6,966.19	6,843.06	6,645.63	97.22	34.61	35.41	-2,058.30	327.03	2,250.41	2,170.05	80.37	28.002		
10,400.00	6,966.45	6,838.64	6,641.24	99.83	34.60	35.03	-2,058.24	326.42	2,349.08	2,268.71	80.37	29.228		
10,500.00	6,966.70	6,834.45	6,637.09	102.46	34.58	34.68	-2,058.18	325.86	2,447.83	2,367.45	80.38	30.455		
10,600.00	6,966.95	6,830.47	6,633.15	105.09	34.57	34.35	-2,058.12	325.34	2,546.65	2,466.27	80.38	31.682		
10,700.00	6,967.20	6,826.70	6,629.41	107.74	34.56	34.05	-2,058.05	324.86	2,645.54	2,565.16	80.39	32.910		
10,800.00	6,967.45	6,823.12	6,625.86	110.41	34.55	33.76	-2,057.98	324.42	2,744.50	2,664.11	80.40	34.137		
10,900.00	6,967.71	6,792.00	6,594.94	113.08	34.44	31.49	-2,057.15	321.03	2,843.99	2,763.65	80.35	35.396		
11,000.00	6,967.96	6,792.00	6,594.94	115.76	34.44	31.49	-2,057.15	321.03	2,942.95	2,862.59	80.37	36.619		
11,100.00	6,968.21	6,792.00	6,594.94	118.45	34.44	31.49	-2,057.15	321.03	3,041.98	2,961.60	80.39	37.842		
11,200.00	6,968.46	6,792.00	6,594.94	121.15	34.44	31.49	-2,057.15	321.03	3,141.07	3,060.67	80.41	39.065		
11,300.00	6,968.71	6,792.00	6,594.94	123.85	34.44	31.49	-2,057.15	321.03	3,240.22	3,159.80	80.42	40.289		
11,400.00	6,968.97	6,792.00	6,594.94	126.56	34.44	31.49	-2,057.15	321.03	3,339.42	3,258.97	80.44	41.512		
11,500.00	6,969.22	6,792.00	6,594.94	129.28	34.44	31.49	-2,057.15	321.03	3,438.66	3,358.20	80.46	42.736		
11,600.00	6,969.47	6,792.00	6,594.94	132.01	34.44	31.49	-2,057.15	321.03	3,537.95	3,457.47	80.48	43.959		
11,700.00	6,969.72	6,792.00	6,594.94	134.74	34.44	31.49	-2,057.15	321.03	3,637.27	3,556.77	80.50	45.182		
11,800.00	6,969.97	6,792.00	6,594.94	137.48	34.44	31.49	-2,057.15	321.03	3,736.64	3,656.11	80.52	46.405		
11,900.00	6,970.22	6,792.00	6,594.94	140.22	34.44	31.49	-2,057.15	321.03	3,836.03	3,755.49	80.54	47.627		
12,000.00	6,970.48	6,792.00	6,594.94	142.97	34.44	31.49	-2,057.15	321.03	3,935.46	3,854.89	80.57	48.848		
12,100.00	6,970.73	6,792.00	6,594.94	145.72	34.44	31.49	-2,057.15	321.03	4,034.91	3,954.32	80.59	50.068		
12,200.00	6,970.98	6,792.00	6,594.94	148.47	34.44	31.49	-2,057.15	321.03	4,134.39	4,053.78	80.61	51.288		
12,300.00	6,971.23	6,792.00	6,594.94	151.23	34.44	31.49	-2,057.15	321.03	4,233.89	4,153.26	80.63	52.507		
12,400.00	6,971.48	6,792.00	6,594.94	154.00	34.44	31.49	-2,057.15	321.03	4,333.42	4,252.76	80.66	53.725		
12,500.00	6,971.74	6,792.00	6,594.94	156.76	34.44	31.49	-2,057.15	321.03	4,432.97	4,352.29	80.68	54.942		
12,600.00	6,971.99	6,792.00	6,594.94	159.53	34.44	31.49	-2,057.15	321.03	4,532.54	4,451.83	80.71	56.157		
12,700.00	6,972.24	6,792.00	6,594.94	162.31	34.44	31.49	-2,057.15	321.03	4,632.13	4,551.39	80.74	57.372		
12,800.00	6,972.49	6,792.00	6,594.94	165.09	34.44	31.49	-2,057.15	321.03	4,731.73	4,650.96	80.77	58.585		
12,900.00	6,972.74	6,792.00	6,594.94	167.86	34.44	31.49	-2,057.15	321.03	4,831.35	4,750.56	80.80	59.797		
13,002.01	6,973.00	6,792.00	6,594.94	170.70	34.44	31.49	-2,057.15	321.03	4,932.99	4,852.17	80.83	61.032		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 436-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	139.94	-602.92	506.99	787.83					
100.00	100.00	87.67	87.67	3.28	3.29	139.98	-603.30	506.65	787.82	781.25	6.57	119.902		
200.00	200.00	186.15	186.13	3.34	3.31	140.11	-604.65	505.45	788.09	781.45	6.64	118.626		
300.00	300.00	284.57	284.50	3.44	3.34	140.33	-606.95	503.40	788.56	781.77	6.79	116.196		
400.00	399.98	382.89	382.73	3.60	3.39	-8.78	-610.22	500.49	787.51	780.53	6.99	112.716		
500.00	499.84	474.82	474.49	3.79	3.48	-8.45	-614.40	496.92	783.43	776.17	7.27	107.828		
600.00	599.45	562.42	561.67	4.02	3.63	-7.95	-621.34	492.17	777.57	769.91	7.65	101.599		
700.00	698.70	652.55	651.10	4.29	3.83	-7.29	-630.70	486.00	769.44	761.32	8.12	94.739		
800.00	797.47	736.60	734.29	4.60	4.04	-6.61	-641.22	480.22	759.65	751.01	8.65	87.863		
900.00	895.62	818.79	815.32	4.94	4.29	-5.84	-653.70	474.43	748.63	739.41	9.22	81.174		
1,000.00	993.06	896.95	892.05	5.31	4.54	-5.03	-667.66	469.32	736.82	726.99	9.84	74.896		
1,100.00	1,089.64	974.09	967.50	5.72	4.81	-4.22	-683.22	465.48	724.57	714.09	10.49	69.080		
1,200.00	1,185.27	1,056.75	1,048.07	6.17	5.12	-3.36	-701.53	462.87	711.74	700.55	11.19	63.596		
1,300.00	1,279.82	1,144.91	1,133.68	6.65	5.47	-2.39	-722.46	460.69	697.42	685.49	11.93	58.443		
1,400.00	1,373.17	1,240.41	1,226.18	7.17	5.87	-1.27	-746.08	458.48	680.85	668.11	12.74	53.444		
1,479.95	1,446.87	1,317.04	1,300.23	7.61	6.21	-0.22	-765.57	455.63	665.28	651.87	13.41	49.611		
1,500.00	1,465.24	1,335.28	1,317.83	7.72	6.29	0.05	-770.31	454.86	661.20	647.62	13.58	48.693		
1,600.00	1,556.88	1,424.49	1,403.65	8.31	6.71	1.49	-794.31	450.66	641.63	627.22	14.41	44.512		
1,700.00	1,648.52	1,515.33	1,490.53	8.92	7.14	3.18	-820.34	445.60	623.78	608.50	15.28	40.822		
1,800.00	1,740.15	1,610.18	1,581.04	9.54	7.62	5.09	-848.15	439.90	607.00	590.82	16.18	37.508		
1,900.00	1,831.79	1,709.26	1,675.72	10.17	8.11	7.10	-876.90	434.80	591.02	573.90	17.12	34.526		
2,000.00	1,923.43	1,813.30	1,775.60	10.81	8.64	9.19	-905.64	430.38	574.75	556.66	18.09	31.776		
2,100.00	2,015.06	1,915.96	1,874.66	11.46	9.16	11.23	-932.38	427.00	557.97	538.91	19.06	29.278		
2,200.00	2,106.70	2,020.24	1,975.75	12.11	9.67	13.23	-957.90	425.03	540.75	520.71	20.04	26.987		
2,300.00	2,198.34	2,133.47	2,086.13	12.78	10.22	15.45	-983.03	423.07	521.98	500.93	21.05	24.799		
2,400.00	2,289.98	2,239.08	2,189.64	13.44	10.73	17.68	-1,003.84	420.80	501.34	479.31	22.03	22.754		
2,500.00	2,381.61	2,331.39	2,280.20	14.11	11.17	19.79	-1,021.65	418.74	480.95	457.95	23.00	20.909		
2,600.00	2,473.25	2,423.45	2,370.36	14.79	11.61	22.09	-1,040.11	416.61	462.07	438.07	23.99	19.257		
2,700.00	2,564.89	2,520.25	2,465.11	15.47	12.08	24.76	-1,059.75	413.81	444.24	419.21	25.03	17.751		
2,800.00	2,656.52	2,611.13	2,553.87	16.15	12.53	27.57	-1,078.95	410.42	428.24	402.16	26.08	16.423		
2,900.00	2,748.16	2,710.46	2,650.87	16.83	13.03	30.88	-1,099.96	406.46	413.54	386.36	27.19	15.211		
3,000.00	2,839.80	2,804.87	2,743.14	17.52	13.50	34.25	-1,119.55	402.62	399.91	371.59	28.32	14.120		
3,100.00	2,931.43	2,890.24	2,826.24	18.20	13.93	37.39	-1,138.85	399.58	389.61	360.17	29.44	13.232		
3,200.00	3,023.07	2,980.57	2,913.70	18.89	14.40	40.68	-1,161.34	397.12	383.02	352.41	30.61	12.511		
3,300.00	3,114.71	3,091.56	3,021.48	19.58	14.96	44.90	-1,187.61	394.07	376.83	344.86	31.97	11.786		
3,400.00	3,206.35	3,192.94	3,120.61	20.27	15.47	49.04	-1,208.63	391.19	369.63	336.33	33.30	11.100		
3,500.00	3,297.98	3,289.72	3,215.19	20.97	15.95	53.09	-1,229.00	388.50	364.62	329.98	34.64	10.527		
3,600.00	3,389.62	3,393.38	3,316.97	21.66	16.46	57.52	-1,248.53	386.86	359.08	323.04	36.04	9.964		
3,700.00	3,481.26	3,485.81	3,407.73	22.36	16.91	61.72	-1,265.86	384.24	356.20	318.79	37.41	9.521		
3,772.89	3,548.05	3,556.00	3,476.59	22.86	17.25	64.86	-1,279.33	382.60	355.59	317.16	38.43	9.253 CC		
3,800.00	3,572.89	3,581.22	3,501.31	23.05	17.38	65.98	-1,284.26	382.06	355.70	316.89	38.80	9.167 ES		
3,900.00	3,664.53	3,672.86	3,591.06	23.75	17.83	70.00	-1,302.67	379.83	358.05	317.90	40.15	8.917		
4,000.00	3,756.17	3,768.82	3,684.91	24.45	18.31	74.25	-1,322.37	376.09	363.76	322.23	41.53	8.759		
4,100.00	3,847.80	3,863.81	3,778.05	25.14	18.79	78.40	-1,340.68	372.88	370.41	327.54	42.87	8.641		
4,200.00	3,939.44	3,948.33	3,860.47	25.84	19.22	81.82	-1,358.99	368.91	381.48	337.46	44.02	8.667		
4,300.00	4,031.08	4,039.60	3,946.96	26.54	19.69	85.18	-1,380.66	363.38	396.50	351.28	45.22	8.769		
4,400.00	4,122.72	4,139.86	4,045.80	27.24	20.23	88.27	-1,406.23	359.08	412.35	365.80	46.54	8.860		
4,500.00	4,214.35	4,241.32	4,143.76	27.94	20.77	91.09	-1,432.39	355.36	428.86	381.00	47.86	8.961		
4,600.00	4,305.99	4,348.71	4,248.33	28.64	21.32	94.19	-1,456.62	352.62	443.91	394.69	49.22	9.018		
4,700.00	4,397.63	4,445.00	4,342.65	29.35	21.80	97.05	-1,475.93	350.45	458.82	408.42	50.40	9.104		
4,800.00	4,489.26	4,541.28	4,436.98	30.05	22.28	99.79	-1,494.97	347.69	475.30	423.77	51.53	9.223		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 436-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,900.00	4,580.90	4,637.13	4,531.10	30.75	22.76	102.45	-1,512.86	344.96	492.51	439.87	52.64	9.357			
5,000.00	4,672.54	4,728.55	4,620.70	31.45	23.21	104.73	-1,530.85	342.14	511.18	457.52	53.66	9.526			
5,100.00	4,764.17	4,828.76	4,718.66	32.16	23.72	106.95	-1,551.64	338.75	531.19	476.38	54.80	9.693			
5,200.00	4,855.81	4,927.58	4,815.48	32.86	24.21	109.05	-1,571.32	336.56	550.61	494.70	55.91	9.849			
5,300.00	4,947.45	5,017.64	4,903.49	33.56	24.67	110.73	-1,590.28	334.32	571.10	514.21	56.88	10.040			
5,400.00	5,039.08	5,107.65	4,991.10	34.27	25.13	112.17	-1,610.70	331.10	593.30	535.44	57.86	10.254			
5,500.00	5,130.72	5,207.76	5,088.67	34.97	25.65	113.72	-1,632.69	327.01	616.34	557.35	58.99	10.449			
5,600.00	5,222.36	5,302.09	5,199.01	35.68	26.20	115.69	-1,653.46	324.22	638.07	577.84	60.23	10.595			
5,700.00	5,314.00	5,408.18	5,286.30	36.38	26.61	117.53	-1,665.24	322.85	659.33	598.27	61.06	10.797			
5,800.00	5,405.63	5,499.56	5,377.16	37.08	27.01	119.57	-1,674.54	320.28	682.57	620.68	61.88	11.030			
5,900.00	5,497.27	5,600.71	5,478.02	37.79	27.44	121.93	-1,681.74	317.94	706.41	643.63	62.78	11.253			
6,000.00	5,588.91	5,689.66	5,566.82	38.50	27.81	124.00	-1,686.55	316.49	730.76	667.28	63.48	11.512			
6,100.00	5,680.54	5,781.75	5,658.82	39.20	28.18	126.11	-1,690.32	314.56	756.70	692.51	64.19	11.788			
6,200.00	5,772.18	5,886.90	5,763.93	39.91	28.60	128.50	-1,692.80	313.42	783.01	717.98	65.04	12.040			
6,300.00	5,863.82	5,988.50	5,865.51	40.61	28.99	130.69	-1,694.96	314.04	808.82	743.00	65.82	12.288			
6,400.00	5,955.45	6,081.91	5,958.88	41.32	29.36	132.55	-1,697.56	315.05	834.99	768.47	66.51	12.553			
6,500.00	6,047.09	6,172.06	6,049.00	42.02	29.71	134.27	-1,699.64	316.00	862.12	794.95	67.16	12.836			
6,600.00	6,138.73	6,265.59	6,142.49	42.73	30.08	135.95	-1,701.91	316.84	890.13	822.28	67.86	13.117			
6,700.00	6,230.37	6,351.07	6,227.95	43.44	30.42	137.40	-1,703.73	317.46	919.08	850.63	68.45	13.427			
6,712.03	6,241.39	6,361.17	6,238.05	43.52	30.46	137.57	-1,703.92	317.49	922.66	854.14	68.52	13.465			
6,750.00	6,276.38	6,395.59	6,272.46	43.78	30.60	130.49	-1,704.53	317.54	933.06	864.29	68.76	13.570			
6,800.00	6,322.91	6,443.17	6,320.04	44.09	30.78	120.02	-1,705.22	317.70	943.72	874.64	69.08	13.662			
6,850.00	6,369.70	7,882.46	7,218.15	44.36	38.03	179.24	-1,728.52	1,204.18	920.18	874.95	45.24	20.341			
6,900.00	6,416.45	7,881.76	7,218.13	44.59	38.02	172.31	-1,728.49	1,203.48	883.41	835.93	47.47	18.608			
6,950.00	6,462.87	7,877.64	7,218.06	44.79	37.96	165.69	-1,728.26	1,199.37	848.24	798.43	49.82	17.028			
7,000.00	6,508.69	7,870.11	7,217.94	44.95	37.85	159.88	-1,727.85	1,191.86	815.08	762.83	52.24	15.602			
7,050.00	6,553.61	7,859.24	7,217.77	45.09	37.69	154.97	-1,727.24	1,181.00	784.26	729.54	54.72	14.331			
7,100.00	6,597.37	7,845.08	7,217.57	45.20	37.48	150.82	-1,726.39	1,166.86	756.13	698.91	57.22	13.214			
7,150.00	6,639.68	7,827.71	7,217.34	45.30	37.23	147.21	-1,725.30	1,149.54	730.95	671.26	59.69	12.245			
7,200.00	6,680.29	7,807.27	7,217.10	45.39	36.93	143.98	-1,723.94	1,129.14	708.94	646.87	62.08	11.420			
7,250.00	6,718.96	7,774.77	7,216.77	45.48	36.49	140.32	-1,721.76	1,096.72	690.17	625.93	64.24	10.743			
7,300.00	6,755.43	7,724.30	7,216.03	45.57	35.84	135.89	-1,719.75	1,046.30	673.88	607.87	66.00	10.210			
7,350.00	6,789.49	7,632.34	7,210.03	45.67	34.80	129.12	-1,718.81	954.62	658.94	591.72	67.22	9.803			
7,400.00	6,820.93	7,562.25	7,195.84	45.77	34.18	123.81	-1,717.32	886.03	643.81	575.06	68.75	9.364			
7,450.00	6,849.55	7,509.68	7,180.81	45.89	33.90	119.84	-1,715.78	835.69	630.16	559.99	70.17	8.981			
7,500.00	6,875.17	7,406.49	7,138.99	46.02	33.63	111.93	-1,713.77	741.54	616.76	545.44	71.31	8.648			
7,550.00	6,897.64	7,343.61	7,105.16	46.17	33.50	107.01	-1,713.59	688.57	603.65	531.54	72.11	8.371			
7,600.00	6,916.82	7,301.75	7,079.41	46.35	33.41	103.79	-1,713.72	655.58	591.90	519.25	72.65	8.147			
7,650.00	6,932.60	7,270.02	7,058.44	46.55	33.34	101.39	-1,713.66	631.78	582.22	509.11	73.12	7.963			
7,700.00	6,944.86	7,239.50	7,037.18	46.78	33.27	99.05	-1,713.41	609.89	574.67	501.18	73.49	7.820			
7,750.00	6,953.55	7,209.91	7,015.63	47.04	33.20	96.76	-1,713.01	589.61	569.20	495.36	73.84	7.709			
7,800.00	6,958.59	7,179.89	6,993.17	47.33	33.13	94.44	-1,712.52	569.71	565.66	491.49	74.17	7.627			
7,842.10	6,960.00	7,154.06	6,973.40	47.60	33.06	92.48	-1,712.05	553.09	564.00	489.56	74.44	7.577			
7,866.00	6,960.06	7,139.51	6,962.09	47.77	33.03	91.32	-1,711.75	543.95	563.69	489.08	74.60	7.556			
7,900.00	6,960.15	7,119.63	6,946.43	48.01	32.97	89.73	-1,711.33	531.71	564.34	489.50	74.84	7.541 SF			
8,000.00	6,960.40	7,066.92	6,903.69	48.86	32.83	85.40	-1,710.07	500.88	574.15	498.49	75.65	7.589			
8,100.00	6,960.65	7,020.15	6,864.40	49.87	32.70	81.48	-1,708.79	475.55	596.08	519.56	76.51	7.790			
8,200.00	6,960.91	6,973.51	6,824.58	51.06	32.57	77.61	-1,707.41	451.30	629.30	552.16	77.15	8.157			
8,300.00	6,961.16	6,930.60	6,787.56	52.41	32.44	74.12	-1,706.07	429.65	672.40	594.68	77.72	8.651			
8,400.00	6,961.41	6,896.21	6,757.27	53.93	32.34	71.36	-1,705.21	413.41	724.20	645.74	78.46	9.231			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 436-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	6,961.66	6,866.92	6,730.92	55.59	32.25	69.03	-1,704.72	400.63	783.54	704.38	79.16	9.898		
8,600.00	6,961.91	6,846.00	6,711.81	57.37	32.19	67.37	-1,704.52	392.12	849.21	769.27	79.94	10.623		
8,700.00	6,962.16	6,814.57	6,682.77	59.27	32.09	64.93	-1,704.43	380.10	919.92	839.75	80.18	11.474		
8,800.00	6,962.42	6,790.94	6,660.73	61.26	32.01	63.13	-1,704.53	371.59	994.76	914.24	80.53	12.353		
8,900.00	6,962.67	6,769.66	6,640.73	63.34	31.94	61.55	-1,704.76	364.31	1,072.98	992.16	80.82	13.277		
9,000.00	6,962.92	6,752.00	6,624.04	65.49	31.89	60.25	-1,705.04	358.56	1,153.99	1,072.89	81.09	14.230		
9,100.00	6,963.17	6,752.00	6,624.04	67.70	31.89	60.25	-1,705.04	358.56	1,237.57	1,155.94	81.63	15.161		
9,200.00	6,963.42	6,721.42	6,594.93	69.97	31.78	58.07	-1,705.53	349.21	1,322.66	1,241.17	81.49	16.230		
9,300.00	6,963.68	6,708.49	6,582.55	72.28	31.74	57.17	-1,705.69	345.49	1,409.64	1,328.00	81.64	17.266		
9,400.00	6,963.93	6,696.51	6,571.04	74.64	31.70	56.35	-1,705.81	342.18	1,498.02	1,416.26	81.76	18.322		
9,500.00	6,964.18	6,685.39	6,560.31	77.04	31.66	55.60	-1,705.91	339.22	1,587.57	1,505.72	81.85	19.395		
9,600.00	6,964.43	6,657.00	6,532.82	79.48	31.57	53.75	-1,706.07	332.13	1,678.39	1,596.68	81.71	20.540		
9,700.00	6,964.68	6,657.00	6,532.82	81.94	31.57	53.75	-1,706.07	332.13	1,769.64	1,687.75	81.89	21.610		
9,800.00	6,964.94	6,657.00	6,532.82	84.43	31.57	53.75	-1,706.07	332.13	1,861.80	1,779.77	82.03	22.697		
9,900.00	6,965.19	6,657.00	6,532.82	86.95	31.57	53.75	-1,706.07	332.13	1,954.72	1,872.59	82.13	23.799		
10,000.00	6,965.44	6,657.00	6,532.82	89.49	31.57	53.75	-1,706.07	332.13	2,048.31	1,966.10	82.21	24.915		
10,100.00	6,965.69	6,657.00	6,532.82	92.05	31.57	53.75	-1,706.07	332.13	2,142.48	2,060.21	82.27	26.041		
10,200.00	6,965.94	6,657.00	6,532.82	94.63	31.57	53.75	-1,706.07	332.13	2,237.16	2,154.84	82.32	27.178		
10,300.00	6,966.19	6,657.00	6,532.82	97.22	31.57	53.75	-1,706.07	332.13	2,332.28	2,249.93	82.35	28.322		
10,400.00	6,966.45	6,657.00	6,532.82	99.83	31.57	53.75	-1,706.07	332.13	2,427.79	2,345.42	82.37	29.474		
10,500.00	6,966.70	6,657.00	6,532.82	102.46	31.57	53.75	-1,706.07	332.13	2,523.65	2,441.27	82.39	30.632		
10,600.00	6,966.95	6,657.00	6,532.82	105.09	31.57	53.75	-1,706.07	332.13	2,619.82	2,537.43	82.39	31.796		
10,700.00	6,967.20	6,657.00	6,532.82	107.74	31.57	53.75	-1,706.07	332.13	2,716.27	2,633.87	82.40	32.964		
10,800.00	6,967.45	6,657.00	6,532.82	110.41	31.57	53.75	-1,706.07	332.13	2,812.96	2,730.56	82.40	34.137		
10,900.00	6,967.71	6,657.00	6,532.82	113.08	31.57	53.75	-1,706.07	332.13	2,909.88	2,827.48	82.40	35.314		
11,000.00	6,967.96	6,657.00	6,532.82	115.76	31.57	53.75	-1,706.07	332.13	3,007.00	2,924.60	82.40	36.493		
11,100.00	6,968.21	6,657.00	6,532.82	118.45	31.57	53.75	-1,706.07	332.13	3,104.31	3,021.91	82.40	37.676		
11,200.00	6,968.46	6,615.88	6,492.48	121.15	31.42	51.18	-1,706.16	324.22	3,199.65	3,117.40	82.26	38.899		
11,300.00	6,968.71	6,614.12	6,490.75	123.85	31.42	51.08	-1,706.16	323.97	3,297.09	3,214.84	82.25	40.085		
11,400.00	6,968.97	6,612.46	6,489.10	126.56	31.41	50.98	-1,706.16	323.73	3,394.68	3,312.43	82.25	41.272		
11,500.00	6,969.22	6,610.88	6,487.54	129.28	31.41	50.88	-1,706.17	323.51	3,492.39	3,410.14	82.25	42.461		
11,600.00	6,969.47	6,609.38	6,486.05	132.01	31.40	50.79	-1,706.17	323.31	3,590.23	3,507.98	82.25	43.651		
11,700.00	6,969.72	6,607.96	6,484.64	134.74	31.40	50.71	-1,706.17	323.12	3,688.17	3,605.93	82.25	44.842		
11,800.00	6,969.97	6,606.60	6,483.29	137.48	31.39	50.62	-1,706.17	322.95	3,786.22	3,703.97	82.25	46.034		
11,900.00	6,970.22	6,605.30	6,482.00	140.22	31.39	50.55	-1,706.17	322.79	3,884.37	3,802.12	82.25	47.227		
12,000.00	6,970.48	6,563.00	6,439.85	142.97	31.24	48.10	-1,706.13	319.52	3,984.67	3,902.52	82.15	48.506		
12,100.00	6,970.73	6,563.00	6,439.85	145.72	31.24	48.10	-1,706.13	319.52	4,082.86	4,000.71	82.16	49.695		
12,200.00	6,970.98	6,563.00	6,439.85	148.47	31.24	48.10	-1,706.13	319.52	4,181.14	4,098.97	82.17	50.885		
12,300.00	6,971.23	6,563.00	6,439.85	151.23	31.24	48.10	-1,706.13	319.52	4,279.50	4,197.32	82.18	52.075		
12,400.00	6,971.48	6,563.00	6,439.85	154.00	31.24	48.10	-1,706.13	319.52	4,377.93	4,295.74	82.19	53.266		
12,500.00	6,971.74	6,563.00	6,439.85	156.76	31.24	48.10	-1,706.13	319.52	4,476.44	4,394.23	82.20	54.456		
12,600.00	6,971.99	6,563.00	6,439.85	159.53	31.24	48.10	-1,706.13	319.52	4,575.00	4,492.79	82.22	55.647		
12,700.00	6,972.24	6,563.00	6,439.85	162.31	31.24	48.10	-1,706.13	319.52	4,673.63	4,591.40	82.23	56.837		
12,800.00	6,972.49	6,563.00	6,439.85	165.09	31.24	48.10	-1,706.13	319.52	4,772.32	4,690.07	82.24	58.027		
12,900.00	6,972.74	6,563.00	6,439.85	167.86	31.24	48.10	-1,706.13	319.52	4,871.05	4,788.80	82.26	59.217		
13,002.01	6,973.00	6,563.00	6,439.85	170.70	31.24	48.10	-1,706.13	319.52	4,971.83	4,889.56	82.27	60.430		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	138.98	-582.88	506.99	772.60					
100.00	100.00	90.02	90.02	3.28	3.29	138.96	-582.64	507.17	772.46	765.89	6.57	117.563		
200.00	200.00	191.15	191.15	3.34	3.31	138.88	-581.80	507.82	772.26	765.61	6.64	116.238		
300.00	300.00	288.96	288.94	3.44	3.36	138.76	-580.50	508.93	772.00	765.20	6.80	113.476		
349.67	349.66	335.34	335.31	3.51	3.41	-10.72	-579.96	509.69	771.69	764.76	6.92	111.477		
400.00	399.98	382.33	382.29	3.60	3.47	-10.81	-579.54	510.64	770.72	763.66	7.07	109.079		
500.00	499.84	477.11	477.04	3.79	3.63	-11.04	-579.13	512.90	766.84	759.43	7.41	103.442		
600.00	599.45	572.98	572.89	4.02	3.82	-11.23	-580.08	514.37	760.05	752.21	7.84	96.953		
700.00	698.70	665.77	665.64	4.29	4.03	-11.33	-582.68	514.84	750.51	742.18	8.32	90.162		
800.00	797.47	753.96	753.69	4.60	4.26	-11.29	-587.54	514.14	738.73	729.87	8.86	83.421		
900.00	895.62	840.81	840.14	4.94	4.51	-11.06	-595.50	512.20	725.29	715.86	9.43	76.887		
1,000.00	993.06	928.27	926.80	5.31	4.78	-10.59	-606.72	508.39	709.89	699.83	10.06	70.573		
1,100.00	1,089.64	1,011.21	1,008.40	5.72	5.06	-9.90	-620.73	503.54	693.28	682.56	10.72	64.700		
1,200.00	1,185.27	1,105.92	1,101.18	6.17	5.39	-8.96	-638.64	497.32	674.57	663.13	11.44	58.953		
1,300.00	1,279.82	1,196.35	1,189.75	6.65	5.73	-8.07	-656.11	491.97	653.41	641.22	12.19	53.581		
1,400.00	1,373.17	1,285.24	1,276.66	7.17	6.09	-7.16	-674.14	487.19	630.15	617.18	12.97	48.576		
1,479.95	1,446.87	1,358.34	1,347.92	7.61	6.39	-6.30	-689.89	483.09	609.99	596.37	13.62	44.776		
1,500.00	1,465.24	1,376.61	1,365.71	7.72	6.47	-6.06	-693.94	482.01	604.76	590.97	13.79	43.855		
1,600.00	1,556.88	1,473.47	1,459.93	8.31	6.89	-4.67	-715.58	476.05	578.85	564.21	14.64	39.541		
1,700.00	1,648.52	1,568.87	1,552.58	8.92	7.31	-3.07	-737.30	469.37	553.19	537.68	15.50	35.680		
1,800.00	1,740.15	1,660.00	1,641.10	9.54	7.72	-1.45	-758.19	463.51	528.39	512.02	16.37	32.276		
1,900.00	1,831.79	1,754.15	1,732.69	10.17	8.16	0.20	-779.48	459.01	504.59	487.33	17.26	29.234		
2,000.00	1,923.43	1,848.77	1,824.82	10.81	8.60	1.92	-800.75	455.34	481.55	463.38	18.16	26.512		
2,100.00	2,015.06	1,948.99	1,922.60	11.46	9.07	3.76	-822.51	452.47	458.73	439.64	19.09	24.027		
2,200.00	2,106.70	2,051.69	2,022.84	12.11	9.56	6.06	-844.27	447.51	435.12	415.08	20.04	21.715		
2,300.00	2,198.34	2,149.93	2,118.77	12.78	10.02	8.63	-864.62	441.69	411.38	390.40	20.98	19.606		
2,400.00	2,289.98	2,251.52	2,218.35	13.44	10.51	11.43	-884.01	436.36	387.20	365.26	21.94	17.646		
2,500.00	2,381.61	2,348.56	2,313.71	14.11	10.96	14.35	-901.30	431.57	362.82	339.91	22.91	15.837		
2,600.00	2,473.25	2,445.34	2,408.83	14.79	11.42	17.64	-918.53	426.98	339.49	315.59	23.90	14.205		
2,700.00	2,564.89	2,541.90	2,504.02	15.47	11.87	21.25	-934.25	422.83	315.98	291.06	24.92	12.680		
2,800.00	2,656.52	2,634.40	2,594.98	16.15	12.30	25.21	-950.61	419.06	295.24	269.25	25.99	11.362		
2,900.00	2,748.16	2,730.31	2,689.45	16.83	12.76	29.78	-966.78	415.54	275.43	248.32	27.11	10.160		
3,000.00	2,839.80	2,821.77	2,779.22	17.52	13.20	34.95	-983.69	411.00	259.32	231.01	28.31	9.160		
3,100.00	2,931.43	2,918.89	2,874.58	18.20	13.67	41.06	-1,001.45	406.18	245.72	216.11	29.61	8.298		
3,200.00	3,023.07	3,017.63	2,971.63	18.89	14.14	47.87	-1,018.99	401.43	234.77	203.76	31.01	7.571		
3,300.00	3,114.71	3,113.81	3,066.54	19.58	14.59	55.08	-1,034.02	397.44	225.26	192.78	32.47	6.937		
3,400.00	3,206.35	3,204.20	3,155.40	20.27	15.03	62.03	-1,050.11	393.60	221.65	187.74	33.92	6.535		
3,418.10	3,222.93	3,221.20	3,172.08	20.40	15.11	63.30	-1,053.36	392.97	221.58	187.40	34.18	6.483 CC		
3,500.00	3,297.98	3,302.24	3,251.52	20.97	15.51	69.19	-1,069.20	390.55	222.67	187.27	35.40	6.290 ES		
3,600.00	3,389.62	3,400.40	3,348.16	21.66	15.98	76.48	-1,086.18	388.06	225.37	188.51	36.86	6.114		
3,700.00	3,481.26	3,494.18	3,440.47	22.36	16.43	83.23	-1,102.50	385.26	232.13	193.95	38.18	6.080 SF		
3,800.00	3,572.89	3,588.49	3,533.17	23.05	16.89	89.49	-1,119.56	382.15	242.89	203.48	39.41	6.164		
3,900.00	3,664.53	3,682.92	3,625.92	23.75	17.34	95.16	-1,136.98	378.71	256.98	216.43	40.54	6.338		
4,000.00	3,756.17	3,777.43	3,718.82	24.45	17.81	100.40	-1,153.86	374.56	274.00	232.39	41.61	6.585		
4,100.00	3,847.80	3,869.97	3,809.59	25.14	18.26	104.76	-1,171.36	370.40	293.47	250.89	42.58	6.892		
4,200.00	3,939.44	3,963.03	3,900.22	25.84	18.73	108.10	-1,191.90	365.56	315.72	272.15	43.56	7.247		
4,300.00	4,031.08	4,057.06	3,991.41	26.54	19.22	110.75	-1,214.31	360.64	339.18	294.61	44.57	7.610		
4,400.00	4,122.72	4,150.95	4,082.61	27.24	19.70	113.21	-1,235.86	354.77	364.17	318.61	45.57	7.992		
4,500.00	4,214.35	4,246.59	4,175.75	27.94	20.19	115.58	-1,256.65	348.72	389.78	343.20	46.58	8.368		
4,600.00	4,305.99	4,343.00	4,270.37	28.64	20.66	118.19	-1,274.05	342.50	416.07	368.51	47.56	8.748		
4,700.00	4,397.63	4,441.11	4,367.01	29.35	21.14	120.77	-1,290.04	336.93	442.42	393.88	48.54	9.114		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,800.00	4,489.26	4,541.02	4,465.44	30.05	21.62	123.08	-1,306.45	332.04	468.73	419.17	49.56	9.458			
4,900.00	4,580.90	4,639.01	4,561.82	30.75	22.10	124.98	-1,323.71	328.19	494.57	444.02	50.55	9.784			
5,000.00	4,672.54	4,726.72	4,648.17	31.45	22.52	126.57	-1,338.65	324.52	521.21	469.85	51.36	10.149			
5,100.00	4,764.17	4,817.13	4,737.35	32.16	22.95	128.19	-1,352.61	319.32	549.95	497.75	52.19	10.536			
5,200.00	4,855.81	4,908.81	4,828.04	32.86	23.38	129.86	-1,365.00	314.39	579.15	526.11	53.03	10.921			
5,300.00	4,947.45	5,001.46	4,919.90	33.56	23.81	131.54	-1,375.86	308.90	609.67	555.80	53.87	11.318			
5,400.00	5,039.08	5,093.11	5,016.90	34.27	24.25	133.29	-1,386.01	304.16	640.02	585.24	54.78	11.685			
5,500.00	5,130.72	5,189.38	5,106.66	34.97	24.66	134.84	-1,394.62	300.05	670.80	615.26	55.55	12.076			
5,600.00	5,222.36	5,278.03	5,195.01	35.68	25.04	136.42	-1,400.73	295.98	702.84	646.58	56.26	12.493			
5,700.00	5,314.00	5,368.89	5,285.75	36.38	25.41	138.20	-1,403.55	292.79	735.66	678.71	56.95	12.917			
5,800.00	5,405.63	5,460.08	5,376.91	37.08	25.77	140.01	-1,404.15	290.17	769.40	711.78	57.62	13.352			
5,900.00	5,497.27	5,554.84	5,471.64	37.79	26.13	141.77	-1,404.56	287.97	803.43	745.08	58.35	13.769			
6,000.00	5,588.91	5,644.25	5,561.03	38.50	26.47	143.36	-1,404.32	286.24	838.03	779.03	59.00	14.205			
6,100.00	5,680.54	5,733.15	5,649.91	39.20	26.81	144.81	-1,404.01	284.19	873.52	813.88	59.64	14.646			
6,200.00	5,772.18	5,832.65	5,749.38	39.91	27.17	146.39	-1,402.66	282.72	909.30	848.86	60.44	15.044			
6,300.00	5,863.82	5,937.92	5,854.65	40.61	27.55	147.99	-1,401.27	283.15	944.02	882.70	61.32	15.396			
6,400.00	5,955.45	6,027.92	5,944.63	41.32	27.87	149.25	-1,400.39	283.83	978.82	916.84	61.98	15.793			
6,500.00	6,047.09	6,113.39	6,030.11	42.02	28.18	150.36	-1,399.59	284.10	1,014.36	951.78	62.59	16.207			
6,600.00	6,138.73	6,196.62	6,113.33	42.73	28.49	151.37	-1,398.54	283.69	1,051.03	987.85	63.18	16.636			
6,700.00	6,230.37	7,757.19	7,064.69	43.44	37.89	-159.17	-1,387.11	1,185.46	1,047.05	990.27	56.78	18.439			
6,712.03	6,241.39	7,760.11	7,064.77	43.52	37.94	-158.98	-1,387.22	1,188.37	1,040.64	983.34	57.30	18.160			
6,750.00	6,276.38	7,768.06	7,064.97	43.78	38.07	-163.76	-1,387.49	1,196.31	1,020.92	961.96	58.96	17.316			
6,800.00	6,322.91	7,774.88	7,065.13	44.09	38.18	-171.77	-1,387.71	1,203.13	996.23	935.11	61.13	16.298			
6,850.00	6,369.70	7,777.73	7,065.20	44.36	38.22	178.86	-1,387.80	1,205.98	973.33	910.07	63.25	15.388			
6,900.00	6,416.45	7,776.79	7,065.18	44.59	38.21	169.11	-1,387.77	1,205.04	952.51	887.21	65.30	14.586			
6,950.00	6,462.87	7,772.27	7,065.07	44.79	38.13	159.95	-1,387.63	1,200.53	934.05	866.81	67.24	13.891			
7,000.00	6,508.69	7,764.38	7,064.88	44.95	38.01	151.90	-1,387.37	1,192.64	918.14	849.12	69.03	13.301			
7,050.00	6,553.61	7,753.32	7,064.59	45.09	37.83	145.04	-1,386.97	1,181.59	904.93	834.29	70.64	12.811			
7,100.00	6,597.37	7,739.31	7,064.16	45.20	37.60	139.21	-1,386.40	1,167.60	894.48	822.43	72.05	12.415			
7,150.00	6,639.68	7,722.56	7,063.59	45.30	37.33	134.18	-1,385.62	1,150.88	886.79	813.56	73.24	12.109			
7,200.00	6,680.29	7,703.26	7,062.83	45.39	37.02	129.72	-1,384.61	1,131.62	881.80	807.60	74.20	11.884			
7,250.00	6,718.96	7,680.48	7,061.97	45.48	36.68	125.63	-1,383.33	1,108.90	879.35	804.41	74.95	11.733			
7,278.72	6,740.19	7,665.35	7,061.61	45.53	36.46	123.37	-1,382.53	1,093.79	879.00	803.73	75.26	11.679			
7,300.00	6,755.43	7,653.19	7,061.44	45.57	36.28	121.75	-1,381.92	1,081.65	879.18	803.74	75.44	11.654			
7,350.00	6,789.49	7,621.45	7,061.56	45.67	35.82	118.06	-1,380.46	1,049.94	880.92	805.22	75.70	11.637			
7,400.00	6,820.93	7,572.31	7,062.61	45.77	35.16	114.03	-1,378.65	1,000.84	883.99	808.48	75.52	11.706			
7,450.00	6,849.55	7,506.58	7,061.83	45.89	34.33	109.75	-1,377.29	935.14	887.10	812.15	74.95	11.836			
7,500.00	6,875.17	7,408.20	7,051.41	46.02	33.27	104.51	-1,377.83	837.41	889.01	815.22	73.79	12.048			
7,550.00	6,897.64	7,309.97	7,026.68	46.17	32.44	99.38	-1,382.16	742.54	888.65	816.03	72.62	12.237			
7,600.00	6,916.82	7,264.01	7,010.96	46.35	32.14	96.76	-1,385.09	699.46	887.51	815.11	72.40	12.258			
7,650.00	6,932.60	7,219.27	6,993.78	46.55	31.91	94.41	-1,388.05	658.26	886.24	814.05	72.18	12.278			
7,700.00	6,944.86	7,180.89	6,976.88	46.78	31.76	92.51	-1,390.47	623.89	884.86	812.70	72.16	12.263			
7,750.00	6,953.55	7,144.60	6,958.67	47.04	31.64	90.83	-1,392.50	592.58	883.45	811.25	72.20	12.236			
7,800.00	6,958.59	7,129.00	6,950.20	47.33	31.59	90.12	-1,393.29	579.51	882.23	809.43	72.80	12.118			
7,842.10	6,960.00	7,100.41	6,933.61	47.60	31.51	89.00	-1,394.27	556.25	881.30	808.28	73.02	12.069			
7,860.92	6,960.05	7,092.84	6,928.99	47.73	31.49	88.70	-1,394.38	550.25	881.17	807.90	73.26	12.027			
7,900.00	6,960.15	7,077.70	6,919.46	48.01	31.45	88.07	-1,394.42	538.48	881.77	807.99	73.78	11.951			
8,000.00	6,960.40	6,878.71	6,878.71	48.86	34.84	85.43	-1,393.06	496.17	888.93	810.25	78.67	11.299			
8,100.00	6,960.65	6,939.00	6,819.32	49.87	31.08	81.62	-1,392.47	442.90	901.64	826.90	74.74	12.063			
8,200.00	6,960.91	6,895.73	6,784.83	51.06	30.95	79.42	-1,393.60	416.79	919.76	843.83	75.93	12.113			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 36N-7B-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 249-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,300.00	6,961.16	6,865.84	6,760.12	52.41	30.86	77.87	-1,393.83	399.99	946.27	868.83	77.45	12.218		
8,400.00	6,961.41	6,845.00	6,742.49	53.93	30.80	76.78	-1,393.72	388.89	980.77	901.69	79.07	12.403		
8,500.00	6,961.66	6,811.35	6,713.30	55.59	30.69	75.00	-1,393.33	372.16	1,022.45	942.33	80.13	12.761		
8,600.00	6,961.91	6,788.07	6,692.60	57.37	30.62	73.75	-1,393.02	361.50	1,070.80	989.53	81.27	13.175		
8,700.00	6,962.16	6,751.00	6,658.87	59.27	30.50	71.76	-1,392.45	346.15	1,125.40	1,043.54	81.86	13.747		
8,800.00	6,962.42	6,751.00	6,658.87	61.26	30.50	71.76	-1,392.45	346.15	1,184.76	1,101.56	83.20	14.240		
8,900.00	6,962.67	6,726.16	6,635.84	63.34	30.41	70.42	-1,392.18	336.85	1,248.91	1,165.17	83.75	14.913		
9,000.00	6,962.92	6,705.51	6,616.50	65.49	30.34	69.31	-1,392.16	329.63	1,316.94	1,232.69	84.25	15.632		
9,100.00	6,963.17	6,687.29	6,599.29	67.70	30.28	68.34	-1,392.31	323.64	1,388.37	1,303.70	84.67	16.397		
9,200.00	6,963.42	6,656.00	6,569.46	69.97	30.17	66.67	-1,392.90	314.20	1,462.93	1,378.17	84.76	17.260		
9,300.00	6,963.68	6,656.00	6,569.46	72.28	30.17	66.67	-1,392.90	314.20	1,539.79	1,454.47	85.32	18.048		
9,400.00	6,963.93	6,656.00	6,569.46	74.64	30.17	66.67	-1,392.90	314.20	1,619.18	1,533.42	85.75	18.882		
9,500.00	6,964.18	6,656.00	6,569.46	77.04	30.17	66.67	-1,392.90	314.20	1,700.74	1,614.65	86.09	19.755		
9,600.00	6,964.43	6,626.90	6,541.45	79.48	30.06	65.13	-1,393.58	306.37	1,783.50	1,697.51	86.00	20.740		
9,700.00	6,964.68	6,618.44	6,533.26	81.94	30.03	64.69	-1,393.75	304.26	1,868.13	1,782.00	86.13	21.689		
9,800.00	6,964.94	6,610.57	6,525.62	84.43	30.00	64.28	-1,393.90	302.37	1,954.11	1,867.87	86.23	22.660		
9,900.00	6,965.19	6,603.23	6,518.48	86.95	29.98	63.90	-1,394.02	300.66	2,041.27	1,954.96	86.31	23.650		
10,000.00	6,965.44	6,596.37	6,511.80	89.49	29.95	63.55	-1,394.14	299.12	2,129.50	2,043.13	86.37	24.656		
10,100.00	6,965.69	6,562.00	6,478.14	92.05	29.83	61.81	-1,394.58	292.16	2,219.25	2,133.09	86.16	25.752		
10,200.00	6,965.94	6,562.00	6,478.14	94.63	29.83	61.81	-1,394.58	292.16	2,309.00	2,222.75	86.25	26.770		
10,300.00	6,966.19	6,562.00	6,478.14	97.22	29.83	61.81	-1,394.58	292.16	2,399.57	2,313.24	86.32	27.797		
10,400.00	6,966.45	6,562.00	6,478.14	99.83	29.83	61.81	-1,394.58	292.16	2,490.85	2,404.47	86.38	28.836		
10,500.00	6,966.70	6,562.00	6,478.14	102.46	29.83	61.81	-1,394.58	292.16	2,582.78	2,496.37	86.42	29.887		
10,600.00	6,966.95	6,562.00	6,478.14	105.09	29.83	61.81	-1,394.58	292.16	2,675.29	2,588.85	86.44	30.948		
10,700.00	6,967.20	6,562.00	6,478.14	107.74	29.83	61.81	-1,394.58	292.16	2,768.33	2,681.87	86.46	32.018		
10,800.00	6,967.45	6,562.00	6,478.14	110.41	29.83	61.81	-1,394.58	292.16	2,861.83	2,775.36	86.47	33.096		
10,900.00	6,967.71	6,562.00	6,478.14	113.08	29.83	61.81	-1,394.58	292.16	2,955.75	2,869.28	86.47	34.181		
11,000.00	6,967.96	6,562.00	6,478.14	115.76	29.83	61.81	-1,394.58	292.16	3,050.07	2,963.60	86.47	35.273		
11,100.00	6,968.21	6,562.00	6,478.14	118.45	29.83	61.81	-1,394.58	292.16	3,144.73	3,058.27	86.46	36.371		
11,200.00	6,968.46	6,562.00	6,478.14	121.15	29.83	61.81	-1,394.58	292.16	3,239.72	3,153.26	86.45	37.473		
11,300.00	6,968.71	6,562.00	6,478.14	123.85	29.83	61.81	-1,394.58	292.16	3,334.99	3,248.55	86.44	38.581		
11,400.00	6,968.97	6,562.00	6,478.14	126.56	29.83	61.81	-1,394.58	292.16	3,430.54	3,344.11	86.43	39.692		
11,500.00	6,969.22	6,562.00	6,478.14	129.28	29.83	61.81	-1,394.58	292.16	3,526.34	3,439.92	86.41	40.807		
11,600.00	6,969.47	6,562.00	6,478.14	132.01	29.83	61.81	-1,394.58	292.16	3,622.36	3,535.96	86.40	41.926		
11,700.00	6,969.72	6,562.00	6,478.14	134.74	29.83	61.81	-1,394.58	292.16	3,718.59	3,632.20	86.38	43.047		
11,800.00	6,969.97	6,562.00	6,478.14	137.48	29.83	61.81	-1,394.58	292.16	3,815.01	3,728.65	86.37	44.172		
11,900.00	6,970.22	6,562.00	6,478.14	140.22	29.83	61.81	-1,394.58	292.16	3,911.62	3,825.27	86.35	45.298		
12,000.00	6,970.48	6,562.00	6,478.14	142.97	29.83	61.81	-1,394.58	292.16	4,008.39	3,922.05	86.34	46.427		
12,100.00	6,970.73	6,562.00	6,478.14	145.72	29.83	61.81	-1,394.58	292.16	4,105.31	4,018.99	86.32	47.558		
12,200.00	6,970.98	6,562.00	6,478.14	148.47	29.83	61.81	-1,394.58	292.16	4,202.38	4,116.08	86.31	48.690		
12,300.00	6,971.23	6,562.00	6,478.14	151.23	29.83	61.81	-1,394.58	292.16	4,299.59	4,213.29	86.30	49.823		
12,400.00	6,971.48	6,562.00	6,478.14	154.00	29.83	61.81	-1,394.58	292.16	4,396.92	4,310.63	86.28	50.958		
12,500.00	6,971.74	6,562.00	6,478.14	156.76	29.83	61.81	-1,394.58	292.16	4,494.36	4,408.09	86.27	52.094		
12,600.00	6,971.99	6,562.00	6,478.14	159.53	29.83	61.81	-1,394.58	292.16	4,591.92	4,505.66	86.26	53.231		
12,700.00	6,972.24	6,562.00	6,478.14	162.31	29.83	61.81	-1,394.58	292.16	4,689.58	4,603.33	86.26	54.369		
12,800.00	6,972.49	6,562.00	6,478.14	165.09	29.83	61.81	-1,394.58	292.16	4,787.34	4,701.09	86.25	55.507		
12,900.00	6,972.74	6,562.00	6,478.14	167.86	29.83	61.81	-1,394.58	292.16	4,885.18	4,798.94	86.24	56.646		
13,002.01	6,973.00	6,562.00	6,478.14	170.70	29.83	61.81	-1,394.58	292.16	4,985.09	4,898.85	86.24	57.808		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	131.08	-442.99	508.10	674.18					
100.00	100.00	87.21	87.21	3.28	0.19	131.05	-442.80	508.42	674.21	670.74	3.48	193.958		
200.00	200.00	176.68	176.67	3.34	0.47	130.95	-442.30	509.63	674.91	671.10	3.82	176.797		
300.00	300.00	255.98	255.89	3.44	0.83	130.77	-442.44	513.05	678.28	673.96	4.33	156.775		
400.00	399.98	335.40	335.08	3.60	1.19	-18.91	-443.19	519.04	682.99	678.11	4.88	139.832		
500.00	499.84	409.90	409.11	3.79	1.53	-19.33	-444.80	527.17	687.80	682.31	5.49	125.355		
600.00	599.45	485.46	483.86	4.02	1.88	-19.84	-447.89	537.70	692.98	686.85	6.13	113.019		
700.00	698.70	566.03	563.22	4.29	2.25	-20.40	-453.33	550.52	698.19	691.39	6.80	102.645		
800.00	797.47	652.84	648.43	4.60	2.66	-20.96	-461.67	564.80	702.48	694.98	7.50	93.671		
900.00	895.62	744.51	738.20	4.94	3.11	-21.48	-472.94	579.59	705.01	696.79	8.22	85.729		
1,000.00	993.06	845.87	837.23	5.31	3.62	-21.88	-488.71	594.24	705.05	696.05	9.00	78.343		
1,100.00	1,089.64	968.29	956.79	5.72	4.21	-21.94	-512.22	605.85	700.20	690.35	9.85	71.052		
1,200.00	1,185.27	1,103.47	1,088.83	6.17	4.82	-21.51	-540.88	608.50	687.29	676.50	10.79	63.710		
1,300.00	1,279.82	1,206.56	1,188.92	6.65	5.28	-20.84	-565.18	604.55	668.36	656.70	11.66	57.300		
1,400.00	1,373.17	1,299.01	1,277.83	7.17	5.70	-19.98	-589.87	598.77	646.61	634.07	12.54	51.560		
1,479.95	1,446.87	1,372.57	1,348.05	7.61	6.03	-19.17	-611.07	593.41	627.60	614.34	13.26	47.320		
1,500.00	1,465.24	1,391.38	1,365.97	7.72	6.12	-18.92	-616.63	591.98	622.66	609.21	13.45	46.294		
1,600.00	1,556.88	1,484.42	1,454.38	8.31	6.57	-17.53	-644.68	584.67	598.43	584.05	14.38	41.629		
1,700.00	1,648.52	1,578.75	1,543.59	8.92	7.04	-15.89	-674.31	576.77	575.13	559.81	15.32	37.533		
1,800.00	1,740.15	1,678.79	1,638.13	9.54	7.56	-13.96	-705.76	567.91	552.05	535.75	16.30	33.868		
1,900.00	1,831.79	1,779.07	1,733.28	10.17	8.09	-11.94	-736.12	558.83	528.58	511.30	17.28	30.585		
2,000.00	1,923.43	1,869.39	1,819.20	10.81	8.57	-10.05	-762.89	551.16	505.62	487.38	18.24	27.719		
2,100.00	2,015.06	1,944.93	1,890.78	11.46	8.98	-8.42	-786.59	546.63	486.11	466.95	19.16	25.377		
2,200.00	2,106.70	2,039.71	1,980.30	12.11	9.52	-6.36	-817.52	543.18	469.64	449.50	20.14	23.321		
2,300.00	2,198.34	2,137.06	2,072.41	12.78	10.07	-4.23	-848.88	540.43	453.93	432.80	21.13	21.481		
2,400.00	2,289.98	2,240.96	2,171.08	13.44	10.66	-1.88	-881.32	537.68	438.11	415.96	22.15	19.778		
2,500.00	2,381.61	2,336.47	2,262.01	14.11	11.20	0.33	-910.51	535.69	422.66	399.52	23.14	18.268		
2,600.00	2,473.25	2,436.96	2,357.52	14.79	11.76	3.04	-941.50	532.02	407.49	383.35	24.15	16.876		
2,700.00	2,564.89	2,535.01	2,450.86	15.47	12.32	5.90	-971.26	528.00	392.64	367.49	25.15	15.609		
2,800.00	2,656.52	2,630.02	2,541.39	16.15	12.85	8.73	-999.96	525.11	379.04	352.88	26.16	14.490		
2,900.00	2,748.16	2,725.31	2,632.12	16.83	13.39	11.66	-1,028.98	522.93	366.96	339.79	27.18	13.503		
3,000.00	2,839.80	2,822.34	2,724.43	17.52	13.95	14.75	-1,058.82	521.29	356.42	328.20	28.23	12.628		
3,100.00	2,931.43	2,918.94	2,816.18	18.20	14.50	18.35	-1,088.81	517.47	346.91	317.60	29.30	11.838		
3,200.00	3,023.07	3,012.66	2,904.94	18.89	15.04	22.07	-1,118.61	513.56	339.65	309.25	30.40	11.174		
3,300.00	3,114.71	3,109.21	2,996.18	19.58	15.60	26.01	-1,149.97	509.70	334.78	303.22	31.55	10.609		
3,400.00	3,206.35	3,207.43	3,089.17	20.27	16.17	29.99	-1,181.42	506.47	331.14	298.37	32.77	10.104		
3,500.00	3,297.98	3,303.90	3,180.50	20.97	16.73	33.96	-1,212.36	503.31	329.24	295.22	34.02	9.679		
3,600.00	3,389.62	3,404.95	3,276.21	21.66	17.32	38.35	-1,244.43	498.86	328.93	293.55	35.38	9.298		
3,688.99	3,471.17	3,495.79	3,362.75	22.28	17.84	42.24	-1,271.85	495.44	328.71	292.07	36.63	8.973		
3,700.00	3,481.26	3,506.91	3,373.36	22.36	17.90	42.71	-1,275.14	495.08	328.71	291.92	36.79	8.935		
3,800.00	3,572.89	3,609.21	3,471.20	23.05	18.48	46.92	-1,304.89	492.61	328.92	290.69	38.23	8.603		
3,900.00	3,664.53	3,705.19	3,563.17	23.75	19.01	50.75	-1,332.33	491.08	330.06	290.42	39.63	8.328		
4,000.00	3,756.17	3,799.44	3,653.36	24.45	19.55	54.60	-1,359.57	488.55	333.53	292.49	41.03	8.128		
4,100.00	3,847.80	3,902.94	3,752.63	25.14	20.12	58.91	-1,388.64	485.04	338.30	295.70	42.59	7.942		
4,200.00	3,939.44	3,986.85	3,832.85	25.84	20.60	62.25	-1,413.02	481.96	345.73	301.88	43.85	7.885		
4,300.00	4,031.08	4,073.47	3,914.77	26.54	21.10	65.38	-1,440.90	478.04	357.79	312.71	45.08	7.936		
4,400.00	4,122.72	4,163.72	3,999.29	27.24	21.65	68.25	-1,472.22	473.54	373.39	327.03	46.36	8.055		
4,500.00	4,214.35	4,256.22	4,085.29	27.94	22.22	70.80	-1,505.96	468.98	391.30	343.64	47.66	8.211		
4,600.00	4,305.99	4,356.76	4,178.53	28.64	22.84	73.21	-1,543.30	464.44	410.16	361.02	49.15	8.346		
4,700.00	4,397.63	4,456.90	4,271.77	29.35	23.45	75.45	-1,579.59	460.40	428.66	378.05	50.61	8.470		
4,800.00	4,489.26	4,557.96	4,366.21	30.05	24.07	77.59	-1,615.38	456.59	446.96	394.89	52.07	8.583		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 141-MWD+IFR1													Offset Well Error:		0.00 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,580.90	4,660.13	4,462.12	30.75	24.69	79.66	-1,650.41	453.14	464.76	411.21	53.55	8.679					
5,000.00	4,672.54	4,759.12	4,555.37	31.45	25.28	81.60	-1,683.49	449.88	482.47	427.53	54.94	8.782					
5,100.00	4,764.17	4,861.26	4,651.94	32.16	25.88	83.56	-1,716.59	446.60	500.03	443.65	56.38	8.869					
5,200.00	4,855.81	4,966.35	4,751.74	32.86	26.49	85.51	-1,749.39	443.96	516.84	458.99	57.85	8.934					
5,300.00	4,947.45	5,067.74	4,848.61	33.56	27.07	87.41	-1,779.25	441.92	532.77	473.53	59.24	8.994					
5,400.00	5,039.08	5,163.43	4,940.38	34.27	27.60	89.25	-1,806.25	439.36	549.20	488.68	60.51	9.076					
5,500.00	5,130.72	5,261.61	5,034.39	34.97	28.16	90.98	-1,834.42	436.79	566.33	504.51	61.82	9.161					
5,600.00	5,222.36	5,361.06	5,129.57	35.68	28.72	92.58	-1,863.18	434.79	583.50	520.37	63.13	9.243					
5,700.00	5,314.00	5,470.04	5,234.03	36.38	29.33	94.24	-1,894.21	433.46	600.22	535.65	64.57	9.295					
5,800.00	5,405.63	5,571.70	5,332.06	37.08	29.88	95.85	-1,921.13	433.13	615.72	549.84	65.88	9.346					
5,900.00	5,497.27	5,662.47	5,419.46	37.79	30.38	97.18	-1,945.63	432.77	631.89	564.86	67.03	9.427					
6,000.00	5,588.91	5,764.04	5,517.09	38.50	30.95	98.54	-1,973.64	432.26	648.74	580.41	68.32	9.495					
6,100.00	5,680.54	5,839.93	5,589.75	39.20	31.38	99.46	-1,995.49	431.16	667.14	597.92	69.22	9.638					
6,200.00	5,772.18	5,933.39	5,679.12	39.91	31.90	100.56	-2,022.63	427.81	687.89	617.51	70.38	9.774					
6,300.00	5,863.82	6,024.85	5,766.82	40.61	32.42	101.67	-2,048.30	423.99	709.17	637.68	71.49	9.920					
6,400.00	5,955.45	6,119.67	5,856.94	41.32	32.96	102.54	-2,077.50	420.15	731.33	658.66	72.67	10.063					
6,500.00	6,047.09	6,249.18	5,980.80	42.02	33.70	103.80	-2,115.05	416.70	751.99	677.58	74.41	10.105					
6,600.00	6,138.73	6,334.56	6,062.53	42.73	34.18	104.57	-2,139.74	415.41	771.56	696.11	75.44	10.227					
6,700.00	6,230.37	6,423.56	6,147.02	43.44	34.70	105.18	-2,167.66	413.85	792.16	715.62	76.53	10.351					
6,712.03	6,241.39	6,435.02	6,157.85	43.52	34.77	105.25	-2,171.38	413.61	794.70	718.03	76.68	10.364					
6,750.00	6,276.38	6,471.40	6,192.24	43.78	34.98	98.24	-2,183.25	412.86	801.69	724.56	77.13	10.394					
6,800.00	6,322.91	6,520.53	6,238.63	44.09	35.27	87.55	-2,199.39	411.81	807.64	729.92	77.72	10.392					
6,850.00	6,369.70	6,572.68	6,287.83	44.36	35.58	75.83	-2,216.66	410.81	809.70	731.38	78.32	10.338					
6,900.00	6,416.45	6,624.88	6,337.05	44.59	35.89	64.09	-2,234.02	409.97	807.80	728.90	78.90	10.239					
6,950.00	6,462.87	6,676.77	6,386.12	44.79	36.20	53.32	-2,250.87	409.19	801.94	722.51	79.43	10.096					
7,000.00	6,508.69	6,730.17	6,436.79	44.95	36.51	44.04	-2,267.71	408.47	792.13	712.17	79.96	9.907					
7,050.00	6,553.61	6,783.81	6,487.83	45.09	36.82	36.29	-2,284.18	408.02	778.26	697.80	80.46	9.673					
7,100.00	6,597.37	6,828.19	6,534.55	45.20	41.15	-119.45	-2,483.37	1,169.06	732.65	709.28	23.37	31.349					
7,150.00	6,639.68	6,865.99	6,573.89	45.30	41.03	-125.50	-2,483.96	1,146.87	688.46	664.91	23.55	29.234					
7,200.00	6,680.29	6,903.43	6,613.23	45.39	40.93	-130.11	-2,484.76	1,121.33	646.25	622.48	23.77	27.192					
7,250.00	6,718.96	6,901.96	6,623.57	45.48	40.84	-133.63	-2,485.77	1,092.87	606.28	582.23	24.05	25.208					
7,300.00	6,755.43	6,970.61	6,659.97	45.57	40.77	-136.33	-2,486.91	1,061.55	568.86	544.44	24.42	23.299					
7,350.00	6,789.49	6,996.34	6,696.47	45.67	40.72	-138.38	-2,488.19	1,027.31	534.23	509.38	24.85	21.497					
7,400.00	6,820.93	7,009.35	6,727.08	45.77	40.69	-139.91	-2,489.59	990.35	502.62	477.25	25.36	19.816					
7,450.00	6,849.55	7,051.22	6,737.58	45.89	40.66	-140.77	-2,491.58	942.26	474.05	447.58	26.47	17.906					
7,500.00	6,875.17	7,080.57	6,749.44	46.02	40.51	-120.29	-2,513.83	692.65	439.31	382.85	56.46	7.781					
7,550.00	6,897.64	7,102.80	6,768.84	46.17	40.29	-107.25	-2,503.28	607.31	399.20	330.97	68.23	5.851					
7,600.00	6,916.82	7,120.63	6,788.32	46.35	40.07	-98.81	-2,488.41	561.28	356.91	282.31	74.60	4.784					
7,650.00	6,932.60	7,136.76	6,809.09	46.55	39.94	-95.21	-2,478.38	537.73	315.91	238.10	77.81	4.060					
7,700.00	6,944.86	7,148.45	6,826.92	46.78	39.83	-93.13	-2,470.49	521.98	277.24	197.42	79.82	3.473					
7,750.00	6,953.55	7,151.35	6,835.35	47.04	39.71	-90.26	-2,462.40	507.72	242.07	160.61	81.47	2.971					
7,800.00	6,958.59	7,156.59	6,842.93	47.33	39.59	-86.04	-2,453.56	493.93	211.66	128.96	82.69	2.560					
7,842.10	6,960.00	7,159.92	6,853.60	47.60	39.49	-81.46	-2,445.61	482.84	190.94	107.81	83.13	2.297					
7,900.00	6,960.15	7,161.29	6,859.78	48.01	39.34	-72.89	-2,435.64	470.47	171.97	89.58	82.39	2.087					
7,943.48	6,960.26	7,163.25	6,864.51	48.37	39.25	-67.23	-2,429.21	463.34	167.28	86.33	80.94	2.067 CC, ES, SF					
8,000.00	6,960.40	7,165.27	6,867.38	48.86	39.15	-60.88	-2,421.96	456.04	175.35	96.48	78.87	2.223					
8,100.00	6,960.65	7,166.09	6,868.27	49.87	39.01	-52.08	-2,411.54	446.84	222.74	145.28	77.46	2.875					
8,200.00	6,960.91	7,167.59	6,869.05	51.06	38.88	-45.45	-2,403.14	440.32	294.86	216.89	77.96	3.782					
8,300.00	6,961.16	7,168.02	6,869.53	52.41	38.78	-40.36	-2,396.20	435.42	378.34	299.60	78.74	4.805					
8,400.00	6,961.41	7,168.45	6,870.59	53.93	38.69	-36.40	-2,390.39	431.67	467.42	388.04	79.38	5.888					

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 3C-18-M - OH - OH													Offset Well Error:	0.00 ft
Survey Program: 141-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	6,961.66	7,095.22	6,780.67	55.59	38.61	-33.26	-2,385.46	428.72	559.61	479.74	79.87	7.007		
8,600.00	6,961.91	7,074.00	6,761.44	57.37	38.50	-28.67	-2,377.55	424.48	653.83	573.77	80.06	8.167		
8,700.00	6,962.16	7,074.00	6,761.44	59.27	38.50	-28.67	-2,377.55	424.48	749.03	668.53	80.50	9.304		
8,800.00	6,962.42	7,074.00	6,761.44	61.26	38.50	-28.67	-2,377.55	424.48	845.34	764.54	80.81	10.461		
8,900.00	6,962.67	7,074.00	6,761.44	63.34	38.50	-28.67	-2,377.55	424.48	942.42	861.40	81.02	11.632		
9,000.00	6,962.92	7,049.43	6,738.98	65.49	38.35	-24.01	-2,368.52	420.25	1,039.39	958.39	81.00	12.832		
9,100.00	6,963.17	7,042.82	6,732.91	67.70	38.31	-22.88	-2,366.13	419.23	1,137.08	1,055.97	81.10	14.020		
9,200.00	6,963.42	7,036.82	6,727.37	69.97	38.28	-21.89	-2,363.98	418.35	1,235.06	1,153.87	81.19	15.212		
9,300.00	6,963.68	7,031.34	6,722.32	72.28	38.25	-21.02	-2,362.02	417.58	1,333.27	1,252.01	81.26	16.407		
9,400.00	6,963.93	7,026.32	6,717.68	74.64	38.22	-20.25	-2,360.24	416.91	1,431.69	1,350.36	81.32	17.605		
9,500.00	6,964.18	7,021.71	6,713.40	77.04	38.19	-19.56	-2,358.61	416.31	1,530.27	1,448.89	81.38	18.805		
9,600.00	6,964.43	7,017.46	6,709.46	79.48	38.17	-18.94	-2,357.12	415.78	1,628.98	1,547.56	81.42	20.007		
9,700.00	6,964.68	7,013.53	6,705.80	81.94	38.14	-18.39	-2,355.74	415.32	1,727.82	1,646.36	81.46	21.210		
9,800.00	6,964.94	6,981.00	6,675.41	84.43	37.95	-14.30	-2,344.61	412.12	1,827.49	1,746.09	81.39	22.453		
9,900.00	6,965.19	6,981.00	6,675.41	86.95	37.95	-14.30	-2,344.61	412.12	1,926.34	1,844.90	81.44	23.652		
10,000.00	6,965.44	6,981.00	6,675.41	89.49	37.95	-14.30	-2,344.61	412.12	2,025.31	1,943.82	81.49	24.853		
10,100.00	6,965.69	6,981.00	6,675.41	92.05	37.95	-14.30	-2,344.61	412.12	2,124.38	2,042.85	81.53	26.055		
10,200.00	6,965.94	6,981.00	6,675.41	94.63	37.95	-14.30	-2,344.61	412.12	2,223.53	2,141.96	81.57	27.259		
10,300.00	6,966.19	6,981.00	6,675.41	97.22	37.95	-14.30	-2,344.61	412.12	2,322.75	2,241.15	81.61	28.463		
10,400.00	6,966.45	6,981.00	6,675.41	99.83	37.95	-14.30	-2,344.61	412.12	2,422.04	2,340.40	81.64	29.667		
10,500.00	6,966.70	6,981.00	6,675.41	102.46	37.95	-14.30	-2,344.61	412.12	2,521.38	2,439.71	81.67	30.872		
10,600.00	6,966.95	6,981.00	6,675.41	105.09	37.95	-14.30	-2,344.61	412.12	2,620.78	2,539.07	81.70	32.077		
10,700.00	6,967.20	6,981.00	6,675.41	107.74	37.95	-14.30	-2,344.61	412.12	2,720.21	2,638.48	81.73	33.282		
10,800.00	6,967.45	6,981.00	6,675.41	110.41	37.95	-14.30	-2,344.61	412.12	2,819.69	2,737.93	81.76	34.487		
10,900.00	6,967.71	6,981.00	6,675.41	113.08	37.95	-14.30	-2,344.61	412.12	2,919.21	2,837.42	81.79	35.691		
11,000.00	6,967.96	6,981.00	6,675.41	115.76	37.95	-14.30	-2,344.61	412.12	3,018.75	2,936.93	81.82	36.896		
11,100.00	6,968.21	6,981.00	6,675.41	118.45	37.95	-14.30	-2,344.61	412.12	3,118.33	3,036.48	81.85	38.099		
11,200.00	6,968.46	6,981.00	6,675.41	121.15	37.95	-14.30	-2,344.61	412.12	3,217.93	3,136.05	81.88	39.302		
11,300.00	6,968.71	6,981.00	6,675.41	123.85	37.95	-14.30	-2,344.61	412.12	3,317.55	3,235.65	81.91	40.505		
11,400.00	6,968.97	6,981.00	6,675.41	126.56	37.95	-14.30	-2,344.61	412.12	3,417.20	3,335.26	81.93	41.707		
11,500.00	6,969.22	6,981.00	6,675.41	129.28	37.95	-14.30	-2,344.61	412.12	3,516.86	3,434.90	81.96	42.908		
11,600.00	6,969.47	6,981.00	6,675.41	132.01	37.95	-14.30	-2,344.61	412.12	3,616.55	3,534.56	81.99	44.108		
11,700.00	6,969.72	6,981.00	6,675.41	134.74	37.95	-14.30	-2,344.61	412.12	3,716.25	3,634.23	82.02	45.307		
11,800.00	6,969.97	6,981.00	6,675.41	137.48	37.95	-14.30	-2,344.61	412.12	3,815.97	3,733.91	82.05	46.505		
11,900.00	6,970.22	6,981.00	6,675.41	140.22	37.95	-14.30	-2,344.61	412.12	3,915.70	3,833.62	82.09	47.702		
12,000.00	6,970.48	6,981.00	6,675.41	142.97	37.95	-14.30	-2,344.61	412.12	4,015.45	3,933.33	82.12	48.898		
12,100.00	6,970.73	6,981.00	6,675.41	145.72	37.95	-14.30	-2,344.61	412.12	4,115.21	4,033.05	82.15	50.093		
12,200.00	6,970.98	6,981.00	6,675.41	148.47	37.95	-14.30	-2,344.61	412.12	4,214.97	4,132.79	82.18	51.287		
12,300.00	6,971.23	6,981.00	6,675.41	151.23	37.95	-14.30	-2,344.61	412.12	4,314.75	4,232.54	82.22	52.479		
12,400.00	6,971.48	6,981.00	6,675.41	154.00	37.95	-14.30	-2,344.61	412.12	4,414.54	4,332.29	82.25	53.671		
12,500.00	6,971.74	6,981.00	6,675.41	156.76	37.95	-14.30	-2,344.61	412.12	4,514.34	4,432.06	82.29	54.860		
12,600.00	6,971.99	6,981.00	6,675.41	159.53	37.95	-14.30	-2,344.61	412.12	4,614.15	4,531.83	82.32	56.049		
12,700.00	6,972.24	6,981.00	6,675.41	162.31	37.95	-14.30	-2,344.61	412.12	4,713.97	4,631.61	82.36	57.236		
12,800.00	6,972.49	6,981.00	6,675.41	165.09	37.95	-14.30	-2,344.61	412.12	4,813.79	4,731.39	82.40	58.421		
12,900.00	6,972.74	6,981.00	6,675.41	167.86	37.95	-14.30	-2,344.61	412.12	4,913.62	4,831.19	82.44	59.605		
13,002.01	6,973.00	6,981.00	6,675.41	170.70	37.95	-14.30	-2,344.61	412.12	5,015.47	4,932.99	82.48	60.812		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	126.97	-382.88	508.65	636.75					
100.00	100.00	85.83	85.83	3.28	3.29	126.99	-383.20	508.67	636.87	630.30	6.57	96.933		
200.00	200.00	182.26	182.25	3.34	3.30	127.07	-384.34	508.76	637.65	631.01	6.64	96.003		
300.00	300.00	285.19	285.17	3.44	3.36	127.17	-385.89	508.95	638.71	631.90	6.81	93.796		
400.00	399.98	389.33	389.31	3.60	3.49	-22.34	-385.68	509.33	637.26	630.18	7.09	89.937		
500.00	499.84	491.94	491.92	3.79	3.66	-22.60	-385.18	509.37	632.17	624.72	7.45	84.870		
600.00	599.45	578.27	578.25	4.02	3.84	-22.96	-385.07	509.85	624.52	616.66	7.86	79.476		
700.00	698.70	662.86	662.77	4.29	4.04	-23.60	-384.76	513.07	616.16	607.82	8.33	73.944		
800.00	797.47	747.17	746.85	4.60	4.27	-24.58	-383.90	519.12	607.09	598.23	8.87	68.477		
900.00	895.62	833.82	833.05	4.94	4.52	-25.90	-382.78	527.92	597.42	587.96	9.45	63.186		
1,000.00	993.06	929.64	928.21	5.31	4.82	-27.62	-381.71	539.10	586.39	576.27	10.11	57.984		
1,100.00	1,089.64	1,041.29	1,039.34	5.72	5.19	-29.67	-382.06	549.71	571.77	560.91	10.86	52.664		
1,200.00	1,185.27	1,161.45	1,159.33	6.17	5.61	-31.93	-383.45	555.63	551.16	539.49	11.67	47.230		
1,300.00	1,279.82	1,272.79	1,270.66	6.65	6.00	-34.44	-383.81	556.64	524.35	511.88	12.47	42.038		
1,400.00	1,373.17	1,368.26	1,366.13	7.17	6.33	-37.23	-383.16	556.31	494.05	480.78	13.27	37.242		
1,479.95	1,446.87	1,443.06	1,440.92	7.61	6.60	-39.86	-382.76	555.72	468.34	454.42	13.93	33.631		
1,500.00	1,465.24	1,460.99	1,458.86	7.72	6.67	-40.46	-382.72	555.54	461.79	447.70	14.10	32.762		
1,600.00	1,556.88	1,550.35	1,548.21	8.31	7.00	-43.69	-382.54	554.81	430.11	415.16	14.95	28.763		
1,700.00	1,648.52	1,637.95	1,635.81	8.92	7.33	-47.33	-382.35	554.89	400.84	384.98	15.86	25.268		
1,800.00	1,740.15	1,731.64	1,729.49	9.54	7.69	-51.80	-381.84	555.15	373.73	356.89	16.83	22.201		
1,900.00	1,831.79	1,821.53	1,819.39	10.17	8.04	-56.68	-381.24	555.39	349.15	331.30	17.85	19.559		
2,000.00	1,923.43	1,912.06	1,909.89	10.81	8.40	-62.34	-379.69	555.93	328.06	309.14	18.92	17.338		
2,100.00	2,015.06	2,005.15	2,002.85	11.46	8.77	-69.35	-374.77	556.14	311.11	291.07	20.04	15.526		
2,200.00	2,106.70	2,095.24	2,092.59	12.11	9.13	-77.24	-366.97	554.88	299.24	278.07	21.17	14.136		
2,300.00	2,198.34	2,184.25	2,180.95	12.78	9.49	-85.91	-356.57	552.26	294.61	272.35	22.26	13.237		
2,309.18	2,206.75	2,192.38	2,189.00	12.84	9.53	-86.72	-355.54	551.93	294.57	272.22	22.35	13.179 CC, ES		
2,400.00	2,289.98	2,264.34	2,260.24	13.44	9.82	-93.99	-345.77	549.11	298.81	275.63	23.18	12.892 SF		
2,500.00	2,381.61	2,341.38	2,336.33	14.11	10.13	-101.50	-333.83	547.54	314.16	290.26	23.89	13.148		
2,600.00	2,473.25	2,417.25	2,410.97	14.79	10.45	-108.42	-320.27	546.49	339.24	314.80	24.44	13.882		
2,700.00	2,564.89	2,488.92	2,481.13	15.47	10.75	-114.28	-305.65	546.48	373.17	348.35	24.82	15.036		
2,800.00	2,656.52	2,562.06	2,552.33	16.15	11.05	-119.54	-288.91	546.98	414.18	388.98	25.20	16.438		
2,900.00	2,748.16	2,631.22	2,619.23	16.83	11.35	-123.92	-271.42	547.36	460.75	435.25	25.50	18.067		
3,000.00	2,839.80	2,701.41	2,686.68	17.52	11.65	-127.71	-252.03	548.32	512.10	486.24	25.86	19.799		
3,100.00	2,931.43	2,782.40	2,764.41	18.20	12.00	-131.49	-229.27	548.84	565.80	539.31	26.49	21.359		
3,200.00	3,023.07	2,850.75	2,829.83	18.89	12.30	-134.29	-209.49	548.49	621.62	594.73	26.89	23.118		
3,300.00	3,114.71	2,925.02	2,900.67	19.58	12.63	-137.00	-187.19	547.29	679.53	652.09	27.44	24.766		
3,400.00	3,206.35	2,999.47	2,971.60	20.27	12.97	-139.42	-164.67	545.31	738.60	710.58	28.02	26.363		
3,500.00	3,297.98	3,074.10	3,042.63	20.97	13.32	-141.48	-141.83	543.74	798.82	770.19	28.63	27.903		
3,600.00	3,389.62	3,156.09	3,120.73	21.66	13.70	-143.51	-117.01	541.23	859.45	830.05	29.39	29.238		
3,700.00	3,481.26	3,228.89	3,190.11	22.36	14.04	-145.05	-95.01	539.53	920.55	890.54	30.01	30.673		
3,800.00	3,572.89	3,318.94	3,276.03	23.05	14.47	-146.63	-68.09	538.65	981.79	950.84	30.96	31.715		
3,900.00	3,664.53	3,409.40	3,362.73	23.75	14.90	-148.01	-42.33	537.92	1,042.17	1,010.27	31.91	32.664		
4,000.00	3,756.17	3,505.20	3,454.88	24.45	15.36	-149.17	-16.12	539.12	1,101.77	1,068.83	32.95	33.440		
4,100.00	3,847.80	3,578.69	3,525.75	25.14	15.71	-150.02	3.29	539.10	1,160.90	1,127.27	33.62	34.528		
4,200.00	3,939.44	3,658.98	3,603.02	25.84	16.09	-150.94	25.07	537.90	1,220.90	1,186.49	34.41	35.484		
4,300.00	4,031.08	3,742.66	3,683.84	26.54	16.50	-151.86	46.65	535.57	1,280.10	1,244.86	35.24	36.321		
4,400.00	4,122.72	3,796.53	3,735.68	27.24	16.76	-152.42	61.19	533.96	1,340.52	1,304.90	35.63	37.626		
4,500.00	4,214.35	3,855.01	3,791.68	27.94	17.05	-152.95	78.00	532.63	1,402.39	1,366.30	36.09	38.855		
4,600.00	4,305.99	3,914.78	3,848.64	28.64	17.34	-153.40	96.07	532.50	1,465.34	1,428.75	36.59	40.047		
4,700.00	4,397.63	3,975.12	3,905.92	29.35	17.64	-153.78	115.06	532.99	1,529.22	1,492.11	37.11	41.209		
4,800.00	4,489.26	4,060.77	3,987.05	30.05	18.07	-154.26	142.48	534.26	1,593.54	1,555.50	38.04	41.891		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													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	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)			
4,900.00	4,580.90	4,189.05	4,109.36	30.75	18.71	-154.91	181.11	536.15	1,656.46	1,616.84	39.61	41.815		
5,000.00	4,672.54	4,289.37	4,205.75	31.45	19.21	-155.43	208.88	536.56	1,717.54	1,676.81	40.73	42.166		
5,100.00	4,764.17	4,390.83	4,303.64	32.16	19.71	-155.96	235.52	536.06	1,777.65	1,735.79	41.85	42.475		
5,200.00	4,855.81	4,436.27	4,347.42	32.86	19.94	-156.20	247.72	535.44	1,838.26	1,796.07	42.18	43.577		
5,300.00	4,947.45	4,505.40	4,413.83	33.56	20.28	-156.56	266.85	533.95	1,899.83	1,856.98	42.85	44.334		
5,400.00	5,039.08	4,583.64	4,489.08	34.27	20.68	-156.97	288.10	531.35	1,961.28	1,917.63	43.65	44.932		
5,500.00	5,130.72	4,639.16	4,542.36	34.97	20.96	-157.25	303.62	529.60	2,023.39	1,979.26	44.13	45.849		
5,600.00	5,222.36	4,736.20	4,635.39	35.68	21.45	-157.69	331.11	526.79	2,085.84	2,040.64	45.20	46.146		
5,700.00	5,314.00	4,790.81	4,687.79	36.38	21.72	-157.93	346.35	525.07	2,148.06	2,102.38	45.68	47.025		
5,800.00	5,405.63	4,842.00	4,736.69	37.08	21.98	-158.14	361.43	523.66	2,211.39	2,165.28	46.11	47.958		
5,900.00	5,497.27	4,960.50	4,849.97	37.79	22.59	-158.52	396.18	522.54	2,274.36	2,226.86	47.50	47.886		
6,000.00	5,588.91	5,041.52	4,927.65	38.50	23.00	-158.76	419.19	521.72	2,336.65	2,288.30	48.35	48.327		
6,100.00	5,680.54	5,128.53	5,011.17	39.20	23.44	-159.04	443.55	520.25	2,398.76	2,349.47	49.29	48.670		
6,200.00	5,772.18	5,219.25	5,098.38	39.91	23.91	-159.32	468.47	518.41	2,460.54	2,410.27	50.27	48.949		
6,300.00	5,863.82	5,304.01	5,179.93	40.61	24.34	-159.55	491.55	517.19	2,522.05	2,470.88	51.17	49.288		
6,400.00	5,955.45	5,435.54	5,307.08	41.32	25.00	-159.89	525.15	516.09	2,581.78	2,529.11	52.67	49.019		
6,500.00	6,047.09	5,496.00	5,365.49	42.02	25.30	-160.05	540.70	514.80	2,642.18	2,588.92	53.25	49.615		
6,600.00	6,138.73	5,541.44	5,409.28	42.73	25.53	-160.18	552.75	513.50	2,703.31	2,649.67	53.65	50.390		
6,700.00	6,230.37	5,608.94	5,474.27	43.44	25.87	-160.36	570.87	511.36	2,764.93	2,710.61	54.33	50.896		
6,712.03	6,241.39	5,617.64	5,482.65	43.52	25.92	-160.39	573.22	511.06	2,772.37	2,717.95	54.41	50.949		
6,750.00	6,276.38	5,645.26	5,509.23	43.78	26.06	-170.40	580.66	510.04	2,795.68	2,740.99	54.69	51.115		
6,800.00	6,322.91	5,682.62	5,545.17	44.09	26.25	175.31	590.72	508.53	2,825.86	2,770.79	55.06	51.319		
6,850.00	6,369.70	5,739.52	5,599.95	44.36	26.54	160.47	605.90	506.20	2,855.11	2,799.44	55.68	51.281		
6,900.00	6,416.45	5,800.00	5,635.59	44.59	32.45	146.00	615.62	504.77	2,883.21	2,821.75	61.46	46.911		
6,950.00	6,462.87	5,805.96	5,663.98	44.79	26.88	132.84	623.45	503.69	2,910.29	2,854.02	56.28	51.712		
7,000.00	6,508.69	5,828.29	5,685.45	44.95	26.99	121.47	629.55	502.90	2,936.40	2,879.95	56.44	52.026		
7,050.00	6,553.61	5,850.05	5,706.33	45.09	27.10	111.97	635.62	502.16	2,961.37	2,904.77	56.60	52.321		
7,100.00	6,597.37	5,872.59	5,727.92	45.20	27.22	104.17	642.05	501.42	2,985.12	2,928.34	56.78	52.572		
7,150.00	6,639.68	5,902.57	5,756.61	45.30	27.37	97.87	650.71	500.47	3,007.47	2,950.40	57.08	52.690		
7,200.00	6,680.29	5,931.32	5,784.10	45.39	27.52	92.71	659.08	499.58	3,028.32	2,970.94	57.38	52.773		
7,250.00	6,718.96	5,958.66	5,810.23	45.48	27.67	88.47	667.10	498.78	3,047.61	2,989.91	57.70	52.817		
7,300.00	6,755.43	5,993.18	5,843.21	45.57	27.85	85.10	677.27	497.81	3,065.26	3,007.10	58.15	52.710		
7,350.00	6,789.49	6,026.69	5,875.22	45.67	28.02	82.36	687.11	496.94	3,081.18	3,022.54	58.64	52.543		
7,400.00	6,820.93	6,065.12	5,911.96	45.77	28.22	80.24	698.35	496.03	3,095.37	3,036.12	59.25	52.244		
7,450.00	6,849.55	7,450.00	5,965.62	45.89	35.38	78.88	714.02	495.35	3,107.29	3,040.52	66.78	46.533		
7,500.00	6,875.17	6,190.14	6,032.07	46.02	28.86	78.16	732.97	494.63	3,117.59	3,056.32	61.27	50.883		
7,550.00	6,897.64	6,215.56	6,056.58	46.17	28.99	77.07	739.74	494.23	3,126.15	3,064.23	61.92	50.491		
7,600.00	6,916.82	6,238.07	6,078.29	46.35	29.11	76.23	745.69	493.76	3,133.08	3,070.48	62.60	50.048		
7,650.00	6,932.60	6,257.41	6,096.94	46.55	29.21	75.63	750.76	493.27	3,138.41	3,075.08	63.33	49.558		
7,700.00	6,944.86	6,242.00	6,082.07	46.78	29.13	74.66	746.72	493.67	3,142.28	3,078.58	63.70	49.328		
7,750.00	6,953.55	6,242.00	6,082.07	47.04	29.13	74.21	746.72	493.67	3,144.59	3,080.25	64.34	48.874		
7,800.00	6,958.59	6,261.25	6,100.62	47.33	29.23	74.34	751.83	493.19	3,145.25	3,079.96	65.29	48.171		
7,842.10	6,960.00	6,262.43	6,101.76	47.60	29.23	74.36	752.15	493.16	3,144.68	3,078.73	65.95	47.680		
7,900.00	6,960.15	6,263.28	6,102.58	48.01	29.24	74.38	752.38	493.14	3,143.69	3,076.78	66.91	46.984		
7,924.75	6,960.21	6,263.65	6,102.94	48.21	29.24	74.38	752.48	493.13	3,143.60	3,076.25	67.35	46.675		
8,000.00	6,960.40	6,264.76	6,104.01	48.86	29.25	74.40	752.78	493.10	3,144.50	3,075.81	68.69	45.778		
8,100.00	6,960.65	6,266.25	6,105.44	49.87	29.25	74.43	753.18	493.06	3,148.48	3,077.88	70.60	44.595		
8,200.00	6,960.91	6,267.75	6,106.88	51.06	29.26	74.46	753.59	493.02	3,155.62	3,083.00	72.62	43.457		
8,300.00	6,961.16	6,269.26	6,108.33	52.41	29.27	74.49	753.99	492.98	3,165.90	3,091.20	74.71	42.378		
8,400.00	6,961.41	6,270.78	6,109.79	53.93	29.28	74.51	754.41	492.94	3,179.30	3,102.45	76.85	41.370		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6C-7-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 226-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,500.00	6,961.66	6,272.30	6,111.27	55.59	29.28	74.54	754.82	492.90	3,195.77	3,116.75	79.03	40.440		
8,600.00	6,961.91	6,273.84	6,112.75	57.37	29.29	74.57	755.24	492.86	3,215.27	3,134.06	81.21	39.591		
8,700.00	6,962.16	6,275.40	6,114.24	59.27	29.30	74.60	755.66	492.82	3,237.74	3,154.34	83.40	38.823		
8,800.00	6,962.42	6,276.96	6,115.74	61.26	29.31	74.63	756.09	492.78	3,263.12	3,177.55	85.56	38.137		
8,900.00	6,962.67	6,278.53	6,117.25	63.34	29.32	74.65	756.52	492.74	3,291.34	3,203.64	87.70	37.530		
9,000.00	6,962.92	6,280.11	6,118.77	65.49	29.32	74.68	756.95	492.70	3,322.33	3,232.53	89.80	36.999		
9,100.00	6,963.17	6,281.71	6,120.31	67.70	29.33	74.71	757.39	492.66	3,356.01	3,264.17	91.84	36.540		
9,200.00	6,963.42	6,283.31	6,121.85	69.97	29.34	74.74	757.83	492.61	3,392.31	3,298.47	93.84	36.151		
9,300.00	6,963.68	6,284.93	6,123.40	72.28	29.35	74.77	758.28	492.57	3,431.13	3,335.36	95.77	35.826		
9,400.00	6,963.93	6,286.56	6,124.97	74.64	29.36	74.80	758.72	492.53	3,472.40	3,374.76	97.64	35.562		
9,500.00	6,964.18	6,288.20	6,126.54	77.04	29.37	74.83	759.18	492.48	3,516.03	3,416.59	99.45	35.356		
9,600.00	6,964.43	6,289.85	6,128.13	79.48	29.37	74.86	759.63	492.44	3,561.94	3,460.75	101.18	35.203		
9,700.00	6,964.68	6,291.52	6,129.73	81.94	29.38	74.89	760.10	492.39	3,610.02	3,507.18	102.85	35.100		
9,800.00	6,964.94	6,293.19	6,131.34	84.43	29.39	74.92	760.56	492.35	3,660.21	3,555.77	104.45	35.044		
9,900.00	6,965.19	6,294.88	6,132.96	86.95	29.40	74.95	761.03	492.30	3,712.41	3,606.44	105.97	35.032		
10,000.00	6,965.44	6,296.58	6,134.59	89.49	29.41	74.98	761.51	492.25	3,766.55	3,659.11	107.43	35.060		
10,100.00	6,965.69	6,298.29	6,136.24	92.05	29.42	75.01	761.98	492.20	3,822.53	3,713.70	108.82	35.126		
10,200.00	6,965.94	6,300.02	6,137.89	94.63	29.43	75.05	762.47	492.16	3,880.28	3,770.13	110.15	35.227		
10,300.00	6,966.19	6,301.76	6,139.56	97.22	29.44	75.08	762.95	492.11	3,939.72	3,828.31	111.41	35.362		
10,400.00	6,966.45	6,303.51	6,141.24	99.83	29.45	75.11	763.44	492.06	4,000.77	3,888.16	112.61	35.527		
10,500.00	6,966.70	6,305.27	6,142.93	102.46	29.45	75.14	763.94	492.01	4,063.37	3,949.62	113.75	35.721		
10,600.00	6,966.95	6,307.05	6,144.64	105.09	29.46	75.17	764.44	491.96	4,127.44	4,012.60	114.84	35.941		
10,700.00	6,967.20	6,308.84	6,146.35	107.74	29.47	75.21	764.95	491.91	4,192.92	4,077.05	115.87	36.187		
10,800.00	6,967.45	6,310.64	6,148.08	110.41	29.48	75.24	765.46	491.86	4,259.73	4,142.89	116.84	36.456		
10,900.00	6,967.71	6,312.46	6,149.83	113.08	29.49	75.27	765.97	491.80	4,327.83	4,210.06	117.77	36.748		
11,000.00	6,967.96	6,314.29	6,151.58	115.76	29.50	75.31	766.49	491.75	4,397.14	4,278.49	118.65	37.059		
11,100.00	6,968.21	6,316.14	6,153.35	118.45	29.51	75.34	767.02	491.70	4,467.61	4,348.13	119.48	37.391		
11,200.00	6,968.46	6,318.00	6,155.13	121.15	29.52	75.37	767.55	491.64	4,539.19	4,418.92	120.28	37.740		
11,300.00	6,968.71	6,319.87	6,156.92	123.85	29.53	75.41	768.08	491.59	4,611.83	4,490.80	121.03	38.106		
11,400.00	6,968.97	6,335.00	6,171.41	126.56	29.61	75.68	772.44	491.14	4,685.51	4,563.61	121.90	38.437		
11,500.00	6,969.22	6,335.00	6,171.41	129.28	29.61	75.68	772.44	491.14	4,760.10	4,637.55	122.55	38.841		
11,600.00	6,969.47	6,335.00	6,171.41	132.01	29.61	75.68	772.44	491.14	4,835.62	4,712.45	123.17	39.259		
11,700.00	6,969.72	6,335.00	6,171.41	134.74	29.61	75.68	772.44	491.14	4,912.01	4,788.25	123.76	39.691		
11,800.00	6,969.97	6,335.00	6,171.41	137.48	29.61	75.68	772.44	491.14	4,989.23	4,864.92	124.31	40.135		
11,900.00	6,970.22	6,335.00	6,171.41	140.22	29.61	75.68	772.44	491.14	5,067.25	4,942.41	124.84	40.592		
12,000.00	6,970.48	6,335.00	6,171.41	142.97	29.61	75.68	772.44	491.14	5,146.03	5,020.69	125.33	41.059		
12,100.00	6,970.73	6,335.65	6,172.03	145.72	29.61	75.69	772.63	491.12	5,225.53	5,099.72	125.81	41.534		
12,200.00	6,970.98	6,339.04	6,175.27	148.47	29.63	75.76	773.62	491.02	5,305.73	5,179.43	126.30	42.009		
12,300.00	6,971.23	6,342.47	6,178.55	151.23	29.65	75.82	774.61	490.91	5,386.59	5,259.82	126.77	42.492		
12,400.00	6,971.48	6,345.92	6,181.85	154.00	29.67	75.88	775.62	490.81	5,468.08	5,340.87	127.21	42.984		
12,500.00	6,971.74	6,349.41	6,185.19	156.76	29.68	75.94	776.63	490.70	5,550.17	5,422.53	127.64	43.484		
12,600.00	6,971.99	6,352.93	6,188.56	159.53	29.70	76.01	777.66	490.59	5,632.84	5,504.80	128.04	43.992		
12,700.00	6,972.24	6,356.49	6,191.95	162.31	29.72	76.07	778.69	490.48	5,716.06	5,587.63	128.43	44.507		
12,800.00	6,972.49	6,360.08	6,195.38	165.09	29.74	76.14	779.74	490.37	5,799.81	5,671.01	128.80	45.029		
12,900.00	6,972.74	6,363.70	6,198.85	167.86	29.76	76.20	780.80	490.25	5,884.06	5,754.91	129.16	45.557		
13,002.01	6,973.00	6,367.43	6,202.41	170.70	29.78	76.27	781.88	490.14	5,970.51	5,841.01	129.50	46.103		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 229-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	125.50	-362.84	508.65	624.90					
100.00	100.00	94.67	94.67	3.28	3.29	125.44	-362.03	508.70	624.40	617.83	6.57	95.014		
200.00	200.00	200.98	200.93	3.34	3.31	125.22	-359.20	508.87	622.99	616.34	6.65	93.703		
300.00	300.00	297.16	297.04	3.44	3.38	124.93	-355.63	509.23	621.17	614.34	6.82	91.048		
400.00	399.98	388.35	388.22	3.60	3.49	-24.71	-353.90	509.74	618.97	611.88	7.09	87.345		
500.00	499.84	478.84	478.70	3.79	3.64	-24.86	-354.93	510.00	615.09	607.67	7.43	82.826		
600.00	599.45	576.31	576.15	4.02	3.83	-25.18	-356.65	511.21	609.21	601.35	7.86	77.549		
700.00	698.70	669.97	669.76	4.29	4.06	-25.89	-356.43	514.01	600.55	592.20	8.35	71.915		
800.00	797.47	759.90	759.52	4.60	4.30	-27.01	-354.61	519.21	590.23	581.33	8.90	66.328		
900.00	895.62	848.59	847.78	4.94	4.57	-28.59	-351.07	527.07	578.71	569.21	9.50	60.940		
1,000.00	993.06	942.64	941.15	5.31	4.87	-30.69	-346.42	537.32	565.98	555.83	10.15	55.737		
1,100.00	1,089.64	1,042.09	1,040.00	5.72	5.20	-33.12	-342.44	547.48	550.94	540.07	10.87	50.681		
1,200.00	1,185.27	1,150.87	1,148.35	6.17	5.58	-36.01	-338.99	556.50	532.61	520.95	11.66	45.688		
1,300.00	1,279.82	1,257.80	1,255.09	6.65	5.97	-39.22	-336.18	562.12	510.08	497.60	12.48	40.882		
1,400.00	1,373.17	1,370.89	1,368.14	7.17	6.38	-43.07	-334.13	563.58	482.84	469.50	13.34	36.205		
1,479.95	1,446.87	1,453.00	1,450.23	7.61	6.67	-46.29	-333.62	561.88	458.22	444.20	14.02	32.685		
1,500.00	1,465.24	1,470.35	1,467.57	7.72	6.74	-46.94	-333.63	561.36	451.89	437.70	14.19	31.848		
1,600.00	1,556.88	1,560.09	1,557.26	8.31	7.06	-50.50	-334.23	558.39	421.13	406.08	15.06	27.967		
1,700.00	1,648.52	1,644.76	1,641.91	8.92	7.37	-54.34	-334.65	556.74	393.50	377.53	15.98	24.630		
1,800.00	1,740.15	1,733.91	1,731.06	9.54	7.71	-58.94	-334.72	556.06	369.33	352.38	16.95	21.786		
1,900.00	1,831.79	1,824.20	1,821.35	10.17	8.05	-64.21	-334.19	555.73	348.58	330.60	17.98	19.387		
2,000.00	1,923.43	1,915.83	1,912.95	10.81	8.42	-70.29	-332.35	555.37	331.71	312.66	19.05	17.411		
2,100.00	2,015.06	2,004.07	2,001.12	11.46	8.77	-76.90	-328.66	554.79	319.77	299.63	20.14	15.878		
2,200.00	2,106.70	2,090.57	2,087.44	12.11	9.12	-83.94	-323.27	554.31	314.37	293.16	21.20	14.827		
2,222.11	2,126.97	2,109.39	2,106.20	12.26	9.19	-85.55	-321.76	554.19	314.17	292.74	21.43	14.662 CC, ES		
2,300.00	2,198.34	2,175.81	2,172.34	12.78	9.46	-91.30	-315.65	553.66	316.56	294.37	22.19	14.265		
2,400.00	2,289.98	2,256.81	2,252.82	13.44	9.80	-98.33	-306.58	552.95	326.99	303.94	23.04	14.189 SF		
2,500.00	2,381.61	2,336.28	2,331.50	14.11	10.12	-105.01	-295.45	552.69	346.38	322.62	23.76	14.580		
2,600.00	2,473.25	2,417.16	2,411.39	14.79	10.46	-111.31	-282.80	552.47	373.10	348.70	24.40	15.294		
2,700.00	2,564.89	2,495.42	2,488.46	15.47	10.78	-116.82	-269.25	552.16	406.17	381.22	24.94	16.283		
2,800.00	2,656.52	2,571.01	2,562.63	16.15	11.10	-121.62	-254.64	551.55	444.82	419.39	25.43	17.495		
2,900.00	2,748.16	2,634.36	2,624.41	16.83	11.36	-125.22	-240.66	551.17	489.07	463.38	25.69	19.039		
3,000.00	2,839.80	2,693.49	2,681.52	17.52	11.61	-128.17	-225.38	551.70	539.19	513.32	25.87	20.842		
3,100.00	2,931.43	2,749.66	2,735.18	18.20	11.86	-130.65	-208.81	552.65	594.29	568.28	26.01	22.847		
3,200.00	3,023.07	2,801.50	2,784.09	18.89	12.09	-132.71	-191.67	553.66	653.70	627.61	26.09	25.053		
3,300.00	3,114.71	2,849.30	2,828.55	19.58	12.30	-134.45	-174.13	554.34	717.01	690.89	26.12	27.451		
3,400.00	3,206.35	2,901.31	2,876.27	20.27	12.54	-136.18	-153.46	554.86	783.50	757.22	26.28	29.813		
3,500.00	3,297.98	2,954.00	2,924.16	20.97	12.79	-137.75	-131.50	555.36	852.20	825.70	26.50	32.158		
3,600.00	3,389.62	3,045.50	3,007.42	21.66	13.22	-140.19	-93.55	555.05	921.29	893.72	27.57	33.415		
3,700.00	3,481.26	3,139.41	3,093.81	22.36	13.68	-142.37	-56.79	553.34	989.10	960.44	28.66	34.509		
3,800.00	3,572.89	3,204.91	3,154.32	23.05	14.00	-143.71	-31.75	551.94	1,056.63	1,027.43	29.20	36.180		
3,900.00	3,664.53	3,301.32	3,243.50	23.75	14.48	-145.45	4.80	549.68	1,124.41	1,094.08	30.33	37.071		
4,000.00	3,756.17	3,408.10	3,343.54	24.45	15.02	-147.08	42.07	547.46	1,189.95	1,158.33	31.62	37.637		
4,100.00	3,847.80	3,518.73	3,448.19	25.14	15.57	-148.53	77.88	545.59	1,253.79	1,220.86	32.93	38.074		
4,200.00	3,939.44	3,624.47	3,548.97	25.84	16.09	-149.57	109.81	547.21	1,315.85	1,281.70	34.15	38.533		
4,300.00	4,031.08	3,671.22	3,593.40	26.54	16.33	-149.93	124.26	548.95	1,378.28	1,343.82	34.45	40.003		
4,400.00	4,122.72	3,722.33	3,641.71	27.24	16.59	-150.28	140.79	551.11	1,442.09	1,407.25	34.83	41.400		
4,500.00	4,214.35	3,769.70	3,686.22	27.94	16.83	-150.61	156.92	552.69	1,507.38	1,472.22	35.16	42.875		
4,600.00	4,305.99	3,797.00	3,711.75	28.64	16.97	-150.80	166.57	553.33	1,574.29	1,539.14	35.15	44.783		
4,700.00	4,397.63	3,850.21	3,761.15	29.35	17.25	-151.18	186.33	553.94	1,642.52	1,606.94	35.59	46.158		
4,800.00	4,489.26	3,889.00	3,796.79	30.05	17.45	-151.46	201.63	553.81	1,712.49	1,676.71	35.78	47.860		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	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)			
4,900.00	4,580.90	3,923.02	3,827.81	30.75	17.64	-151.72	215.61	553.30	1,783.89	1,747.99	35.91	49.683		
5,000.00	4,672.54	3,958.72	3,860.11	31.45	17.83	-151.98	230.79	552.39	1,856.60	1,820.53	36.06	51.480		
5,100.00	4,764.17	3,981.00	3,880.13	32.16	17.96	-152.15	240.52	551.63	1,930.60	1,894.60	36.00	53.628		
5,200.00	4,855.81	4,022.11	3,916.77	32.86	18.19	-152.46	259.08	549.89	2,005.71	1,969.43	36.27	55.297		
5,300.00	4,947.45	4,050.98	3,942.23	33.56	18.35	-152.67	272.61	548.45	2,082.05	2,045.71	36.34	57.293		
5,400.00	5,039.08	4,074.00	3,962.36	34.27	18.48	-152.84	283.69	547.17	2,159.52	2,123.20	36.32	59.463		
5,500.00	5,130.72	4,118.57	4,001.07	34.97	18.74	-153.16	305.63	544.53	2,237.79	2,201.11	36.68	61.008		
5,600.00	5,222.36	4,167.00	4,042.81	35.68	19.02	-153.48	330.01	541.55	2,316.81	2,279.69	37.12	62.416		
5,700.00	5,314.00	4,790.97	4,615.64	36.38	22.51	-156.63	570.65	516.68	2,380.42	2,334.22	46.20	51.519		
5,800.00	5,405.63	4,872.21	4,693.41	37.08	22.93	-156.96	594.06	514.56	2,443.09	2,396.03	47.06	51.911		
5,900.00	5,497.27	4,950.68	4,768.53	37.79	23.34	-157.25	616.67	512.73	2,505.75	2,457.86	47.89	52.326		
6,000.00	5,588.91	5,028.00	4,842.54	38.50	23.75	-157.51	638.97	511.23	2,568.41	2,519.71	48.70	52.740		
6,100.00	5,680.54	5,098.71	4,910.16	39.20	24.12	-157.72	659.64	510.69	2,631.21	2,581.78	49.43	53.228		
6,200.00	5,772.18	5,136.36	4,946.06	39.91	24.32	-157.81	670.98	510.83	2,694.63	2,644.88	49.75	54.162		
6,300.00	5,863.82	5,166.96	4,975.06	40.61	24.48	-157.88	680.76	511.09	2,759.35	2,709.37	49.97	55.215		
6,400.00	5,955.45	5,204.00	5,009.91	41.32	24.68	-157.95	693.28	511.56	2,825.33	2,775.06	50.28	56.195		
6,500.00	6,047.09	5,234.37	5,038.33	42.02	24.85	-158.00	703.98	512.01	2,892.39	2,841.90	50.49	57.284		
6,600.00	6,138.73	5,274.01	5,075.28	42.73	25.07	-158.07	718.33	512.59	2,960.34	2,909.50	50.83	58.237		
6,700.00	6,230.37	5,322.46	5,120.23	43.44	25.34	-158.14	736.39	513.28	3,029.08	2,977.78	51.30	59.051		
6,712.03	6,241.39	5,330.10	5,127.31	43.52	25.38	-158.15	739.26	513.39	3,037.37	2,986.00	51.38	59.119		
6,750.00	6,276.38	5,354.32	5,149.75	43.78	25.52	-168.71	748.36	513.74	3,063.47	3,011.84	51.63	59.333		
6,800.00	6,322.91	5,380.00	5,231.50	44.09	33.61	176.46	780.70	514.99	3,097.02	3,037.21	59.81	51.782		
6,850.00	6,369.70	5,538.64	5,321.77	44.36	26.55	161.31	814.48	516.17	3,129.20	3,075.30	53.90	58.055		
6,900.00	6,416.45	5,577.91	5,358.67	44.59	26.76	146.42	827.89	516.57	3,160.21	3,105.91	54.30	58.198		
6,950.00	6,462.87	5,683.90	5,458.61	44.79	27.34	133.50	863.14	518.47	3,189.78	3,134.23	55.56	57.413		
7,000.00	6,508.69	5,708.76	5,482.10	44.95	27.48	121.89	871.26	518.96	3,217.92	3,162.15	55.77	57.700		
7,050.00	6,553.61	5,741.79	5,513.32	45.09	27.66	112.26	882.04	519.52	3,244.81	3,188.71	56.09	57.848		
7,100.00	6,597.37	5,766.00	5,536.20	45.20	27.79	104.26	889.95	519.83	3,270.36	3,214.05	56.31	58.076		
7,150.00	6,639.68	5,766.00	5,536.20	45.30	27.79	97.37	889.95	519.83	3,294.71	3,238.48	56.24	58.587		
7,200.00	6,680.29	5,801.34	5,569.52	45.39	27.98	92.08	901.69	520.17	3,317.43	3,260.79	56.64	58.570		
7,250.00	6,718.96	5,815.72	5,583.05	45.48	28.06	87.46	906.59	520.28	3,338.83	3,282.02	56.80	58.778		
7,300.00	6,755.43	5,829.21	5,595.70	45.57	28.14	83.60	911.24	520.36	3,358.67	3,301.68	56.99	58.932		
7,350.00	6,789.49	5,861.00	5,625.46	45.67	28.31	80.65	922.44	520.48	3,377.03	3,319.56	57.47	58.766		
7,400.00	6,820.93	5,861.00	5,625.46	45.77	28.31	77.76	922.44	520.48	3,393.49	3,335.91	57.58	58.938		
7,450.00	6,849.55	5,867.68	5,631.70	45.89	28.35	75.43	924.82	520.49	3,408.29	3,350.46	57.84	58.930		
7,500.00	6,875.17	5,891.24	5,653.71	46.02	28.48	73.77	933.22	520.50	3,421.28	3,362.89	58.39	58.595		
7,550.00	6,897.64	5,912.20	5,673.31	46.17	28.60	72.42	940.66	520.46	3,432.39	3,373.41	58.98	58.195		
7,600.00	6,916.82	5,930.39	5,690.31	46.35	28.70	71.36	947.11	520.37	3,441.61	3,382.00	59.61	57.732		
7,650.00	6,932.60	5,945.63	5,704.57	46.55	28.79	70.55	952.50	520.28	3,448.95	3,388.66	60.29	57.210		
7,700.00	6,944.86	5,957.78	5,715.94	46.78	28.86	69.96	956.79	520.18	3,454.40	3,393.40	61.00	56.634		
7,750.00	6,953.55	5,966.68	5,724.27	47.04	28.91	69.58	959.92	520.10	3,457.97	3,396.24	61.74	56.012		
7,800.00	6,958.59	5,972.22	5,729.45	47.33	28.94	69.40	961.87	520.04	3,459.67	3,397.17	62.50	55.353		
7,842.10	6,960.00	5,974.20	5,731.30	47.60	28.95	69.39	962.57	520.02	3,459.66	3,396.50	63.16	54.777		
7,897.80	6,960.14	5,975.16	5,732.21	48.00	28.95	69.40	962.91	520.01	3,459.21	3,395.15	64.06	53.999		
7,900.00	6,960.15	5,975.20	5,732.24	48.01	28.96	69.40	962.92	520.01	3,459.21	3,395.11	64.10	53.969		
8,000.00	6,960.40	5,967.26	5,724.80	48.86	28.91	69.27	960.14	520.10	3,460.74	3,395.02	65.72	52.661		
8,100.00	6,960.65	5,968.09	5,725.58	49.87	28.92	69.29	960.43	520.09	3,465.14	3,397.55	67.59	51.270		
8,200.00	6,960.91	5,968.92	5,726.36	51.06	28.92	69.30	960.73	520.08	3,472.41	3,402.85	69.56	49.919		
8,300.00	6,961.16	5,969.76	5,727.14	52.41	28.93	69.31	961.03	520.08	3,482.54	3,410.93	71.62	48.628		
8,400.00	6,961.41	5,970.60	5,727.93	53.93	28.93	69.33	961.32	520.07	3,495.51	3,421.77	73.73	47.409		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Fagerberg 6N-7C-M - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 229-MWD+IFR1															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,500.00	6,961.66	5,971.44	5,728.72	55.59	28.93	69.34	961.62	520.06	3,511.27	3,435.38	75.89	46.271				
8,600.00	6,961.91	5,972.29	5,729.51	57.37	28.94	69.36	961.92	520.05	3,529.80	3,451.74	78.06	45.219				
8,700.00	6,962.16	5,973.14	5,730.30	59.27	28.94	69.37	962.22	520.05	3,551.04	3,470.80	80.24	44.255				
8,800.00	6,962.42	5,973.99	5,731.10	61.26	28.95	69.38	962.53	520.04	3,574.96	3,492.55	82.42	43.377				
8,900.00	6,962.67	5,974.85	5,731.90	63.34	28.95	69.40	962.83	520.03	3,601.50	3,516.93	84.57	42.586				
9,000.00	6,962.92	5,975.71	5,732.70	65.49	28.96	69.41	963.14	520.02	3,630.60	3,543.90	86.70	41.876				
9,100.00	6,963.17	5,976.57	5,733.51	67.70	28.96	69.43	963.44	520.02	3,662.20	3,573.41	88.79	41.246				
9,200.00	6,963.42	5,977.44	5,734.32	69.97	28.97	69.44	963.75	520.01	3,696.23	3,605.39	90.84	40.690				
9,300.00	6,963.68	5,978.30	5,735.13	72.28	28.97	69.45	964.06	520.00	3,732.64	3,639.80	92.84	40.205				
9,400.00	6,963.93	5,979.18	5,735.94	74.64	28.98	69.47	964.37	519.99	3,771.34	3,676.55	94.79	39.788				
9,500.00	6,964.18	5,980.05	5,736.76	77.04	28.98	69.48	964.68	519.98	3,812.28	3,715.60	96.68	39.433				
9,600.00	6,964.43	5,980.93	5,737.58	79.48	28.99	69.50	965.00	519.98	3,855.37	3,756.86	98.51	39.137				
9,700.00	6,964.68	5,981.81	5,738.41	81.94	28.99	69.51	965.31	519.97	3,900.55	3,800.27	100.28	38.896				
9,800.00	6,964.94	5,982.70	5,739.23	84.43	29.00	69.53	965.63	519.96	3,947.75	3,845.76	101.99	38.706				
9,900.00	6,965.19	5,983.59	5,740.07	86.95	29.00	69.54	965.94	519.95	3,996.89	3,893.25	103.64	38.565				
10,000.00	6,965.44	5,984.48	5,740.90	89.49	29.01	69.56	966.26	519.94	4,047.91	3,942.68	105.23	38.469				
10,100.00	6,965.69	5,985.37	5,741.74	92.05	29.01	69.57	966.58	519.94	4,100.73	3,993.98	106.75	38.415				
10,200.00	6,965.94	5,986.27	5,742.58	94.63	29.02	69.59	966.90	519.93	4,155.29	4,047.07	108.21	38.400				
10,300.00	6,966.19	5,987.18	5,743.42	97.22	29.02	69.60	967.22	519.92	4,211.51	4,101.90	109.61	38.421				
10,400.00	6,966.45	5,988.08	5,744.26	99.83	29.03	69.62	967.55	519.91	4,269.34	4,158.38	110.96	38.478				
10,500.00	6,966.70	5,988.99	5,745.11	102.46	29.03	69.63	967.87	519.90	4,328.70	4,216.46	112.24	38.566				
10,600.00	6,966.95	5,989.90	5,745.97	105.09	29.04	69.65	968.20	519.89	4,389.54	4,276.07	113.47	38.684				
10,700.00	6,967.20	5,990.82	5,746.82	107.74	29.04	69.66	968.53	519.88	4,451.79	4,337.15	114.65	38.831				
10,800.00	6,967.45	5,991.74	5,747.68	110.41	29.05	69.68	968.85	519.88	4,515.40	4,399.63	115.77	39.004				
10,900.00	6,967.71	5,992.66	5,748.54	113.08	29.05	69.69	969.18	519.87	4,580.31	4,463.47	116.84	39.201				
11,000.00	6,967.96	5,993.59	5,749.41	115.76	29.06	69.71	969.52	519.86	4,646.47	4,528.60	117.86	39.422				
11,100.00	6,968.21	5,994.52	5,750.28	118.45	29.06	69.72	969.85	519.85	4,713.81	4,594.97	118.84	39.665				
11,200.00	6,968.46	5,995.46	5,751.15	121.15	29.07	69.74	970.18	519.84	4,782.30	4,662.53	119.77	39.928				
11,300.00	6,968.71	5,996.40	5,752.03	123.85	29.08	69.75	970.52	519.83	4,851.89	4,731.23	120.66	40.210				
11,400.00	6,968.97	5,997.34	5,752.91	126.56	29.08	69.77	970.86	519.82	4,922.52	4,801.01	121.51	40.511				
11,500.00	6,969.22	5,998.28	5,753.79	129.28	29.09	69.79	971.20	519.81	4,994.16	4,871.84	122.32	40.829				
11,600.00	6,969.47	5,999.23	5,754.67	132.01	29.09	69.80	971.54	519.80	5,066.75	4,943.66	123.09	41.162				
11,700.00	6,969.72	6,000.18	5,755.56	134.74	29.10	69.82	971.88	519.80	5,140.27	5,016.44	123.83	41.511				
11,800.00	6,969.97	6,001.14	5,756.46	137.48	29.10	69.83	972.22	519.79	5,214.67	5,090.13	124.53	41.874				
11,900.00	6,970.22	6,002.10	5,757.35	140.22	29.11	69.85	972.57	519.78	5,289.91	5,164.70	125.20	42.251				
12,000.00	6,970.48	6,003.07	5,758.25	142.97	29.11	69.86	972.91	519.77	5,365.96	5,240.11	125.84	42.640				
12,100.00	6,970.73	6,004.03	5,759.16	145.72	29.12	69.88	973.26	519.76	5,442.78	5,316.33	126.45	43.042				
12,200.00	6,970.98	6,005.01	5,760.06	148.47	29.12	69.90	973.61	519.75	5,520.35	5,393.31	127.04	43.455				
12,300.00	6,971.23	6,005.98	5,760.97	151.23	29.13	69.91	973.96	519.74	5,598.62	5,471.03	127.59	43.878				
12,400.00	6,971.48	6,006.96	5,761.89	154.00	29.14	69.93	974.32	519.73	5,677.58	5,549.46	128.13	44.312				
12,500.00	6,971.74	6,007.95	5,762.81	156.76	29.14	69.95	974.67	519.72	5,757.20	5,628.56	128.64	44.756				
12,600.00	6,971.99	6,008.93	5,763.73	159.53	29.15	69.96	975.02	519.71	5,837.44	5,708.31	129.12	45.209				
12,700.00	6,972.24	6,009.92	5,764.65	162.31	29.15	69.98	975.38	519.70	5,918.28	5,788.69	129.59	45.671				
12,800.00	6,972.49	6,010.92	5,765.58	165.09	29.16	69.99	975.74	519.69	5,999.70	5,869.67	130.03	46.140				
12,900.00	6,972.74	6,011.92	5,766.51	167.86	29.16	70.01	976.10	519.68	6,081.67	5,951.21	130.46	46.618				
13,002.01	6,973.00	6,012.94	5,767.47	170.70	29.17	70.03	976.47	519.67	6,165.84	6,034.97	130.87	47.113				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	89.98	0.83	89.99					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	89.98	0.83	89.99	83.42	6.57	13.698		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	89.98	0.83	89.99	83.31	6.67	13.483		
300.00	300.00	300.00	300.00	3.44	3.44	0.53	89.98	0.83	89.99	83.10	6.89	13.061	CC, ES	
400.00	399.98	401.80	401.78	3.60	3.60	-148.50	88.95	2.32	90.48	83.28	7.20	12.567		
500.00	499.84	503.57	503.40	3.79	3.80	-147.42	85.84	6.76	91.97	84.37	7.59	12.111		
600.00	599.45	605.27	604.69	4.02	4.04	-145.70	80.66	14.14	94.52	86.45	8.07	11.708		
700.00	698.70	706.86	705.49	4.29	4.32	-143.45	73.44	24.46	98.21	89.59	8.62	11.388		
800.00	797.47	808.30	805.64	4.60	4.63	-140.79	64.19	37.68	103.15	93.91	9.24	11.161		
900.00	895.62	909.57	904.98	4.94	4.98	-137.88	52.93	53.76	109.43	99.51	9.92	11.031		
1,000.00	993.06	1,010.64	1,003.37	5.31	5.37	-134.85	39.69	72.67	117.14	106.48	10.66	10.986		
1,100.00	1,089.64	1,109.90	1,099.69	5.72	5.78	-132.77	25.92	92.32	127.02	115.57	11.45	11.091		
1,200.00	1,185.27	1,209.13	1,195.97	6.17	6.21	-132.01	12.16	111.98	139.32	127.03	12.29	11.335		
1,300.00	1,279.82	1,308.04	1,291.94	6.65	6.65	-132.29	-1.57	131.59	153.95	140.78	13.17	11.690		
1,400.00	1,373.17	1,406.52	1,387.49	7.17	7.10	-133.31	-15.23	151.10	170.95	156.87	14.08	12.142		
1,479.95	1,446.87	1,484.85	1,463.51	7.61	7.47	-134.50	-26.10	166.62	186.32	171.49	14.82	12.568		
1,500.00	1,465.24	1,504.45	1,482.52	7.72	7.57	-134.88	-28.82	170.51	190.38	175.36	15.01	12.680		
1,600.00	1,556.88	1,602.18	1,577.35	8.31	8.04	-136.56	-42.38	189.88	210.75	194.79	15.96	13.203		
1,700.00	1,648.52	1,700.08	1,672.18	8.92	8.52	-137.93	-55.95	209.24	231.26	214.33	16.93	13.661		
1,800.00	1,740.15	1,797.65	1,767.01	9.54	9.00	-139.09	-69.51	228.61	251.88	233.98	17.91	14.067		
1,900.00	1,831.79	1,904.61	1,861.85	10.17	9.54	-140.07	-83.07	247.98	272.59	253.65	18.94	14.392		
2,000.00	1,923.43	2,006.88	1,956.68	10.81	10.05	-140.91	-96.63	267.35	293.36	273.39	19.96	14.696		
2,100.00	2,015.06	2,109.14	2,051.51	11.46	10.57	-141.64	-110.19	286.72	314.18	293.19	20.99	14.967		
2,200.00	2,106.70	2,188.59	2,146.34	12.11	10.98	-142.28	-123.76	306.09	335.04	313.13	21.92	15.288		
2,300.00	2,198.34	2,286.33	2,241.17	12.78	11.48	-142.84	-137.32	325.45	355.94	333.01	22.94	15.518		
2,400.00	2,289.98	2,384.06	2,336.00	13.44	11.99	-143.35	-150.88	344.82	376.87	352.91	23.96	15.727		
2,500.00	2,381.61	2,481.80	2,430.84	14.11	12.50	-143.79	-164.44	364.19	397.83	372.83	24.99	15.917		
2,600.00	2,473.25	2,579.53	2,525.67	14.79	13.01	-144.20	-178.00	383.56	418.80	392.77	26.03	16.089		
2,700.00	2,564.89	2,677.27	2,620.50	15.47	13.52	-144.56	-191.56	402.93	439.79	412.73	27.07	16.247		
2,800.00	2,656.52	2,775.00	2,715.33	16.15	14.04	-144.90	-205.13	422.29	460.80	432.69	28.11	16.392		
2,900.00	2,748.16	2,872.74	2,810.16	16.83	14.55	-145.20	-218.69	441.66	481.83	452.67	29.16	16.526		
3,000.00	2,839.80	2,970.47	2,904.99	17.52	15.07	-145.48	-232.25	461.03	502.86	472.66	30.20	16.649		
3,100.00	2,931.43	3,068.21	2,999.83	18.20	15.58	-145.73	-245.81	480.40	523.90	492.65	31.25	16.762		
3,200.00	3,023.07	3,165.94	3,094.66	18.89	16.10	-145.97	-259.37	499.77	544.96	512.65	32.31	16.868		
3,300.00	3,114.71	3,263.68	3,189.49	19.58	16.62	-146.19	-272.93	519.14	566.02	532.66	33.36	16.966		
3,400.00	3,206.35	3,361.41	3,284.32	20.27	17.14	-146.39	-286.50	538.50	587.09	552.67	34.42	17.057		
3,500.00	3,297.98	3,459.15	3,379.15	20.97	17.66	-146.58	-300.06	557.87	608.17	572.69	35.48	17.143		
3,600.00	3,389.62	3,556.88	3,473.99	21.66	18.19	-146.76	-313.62	577.24	629.25	592.71	36.54	17.222		
3,700.00	3,481.26	3,654.62	3,568.82	22.36	18.71	-146.92	-327.18	596.61	650.34	612.74	37.60	17.297		
3,800.00	3,572.89	3,752.35	3,663.65	23.05	19.23	-147.07	-340.74	615.98	671.43	632.77	38.66	17.368		
3,900.00	3,664.53	3,850.08	3,758.48	23.75	19.75	-147.22	-354.31	635.34	692.52	652.80	39.72	17.434		
4,000.00	3,756.17	3,947.82	3,853.31	24.45	20.28	-147.36	-367.87	654.71	713.62	672.84	40.79	17.496		
4,100.00	3,847.80	4,045.55	3,948.14	25.14	20.80	-147.48	-381.43	674.08	734.73	692.87	41.85	17.555		
4,200.00	3,939.44	4,143.29	4,042.98	25.84	21.33	-147.61	-394.99	693.45	755.83	712.92	42.92	17.611		
4,300.00	4,031.08	4,241.02	4,137.81	26.54	21.85	-147.72	-408.55	712.82	776.94	732.96	43.99	17.663		
4,400.00	4,122.72	4,338.76	4,232.64	27.24	22.38	-147.83	-422.11	732.19	798.06	753.00	45.05	17.713		
4,500.00	4,214.35	4,436.49	4,327.47	27.94	22.90	-147.93	-435.68	751.55	819.17	773.05	46.12	17.760		
4,600.00	4,305.99	4,534.23	4,422.30	28.64	23.43	-148.03	-449.24	770.92	840.29	793.10	47.19	17.805		
4,700.00	4,397.63	4,631.96	4,517.13	29.35	23.96	-148.12	-462.80	790.29	861.41	813.15	48.26	17.848		
4,800.00	4,489.26	4,729.70	4,611.97	30.05	24.48	-148.21	-476.36	809.66	882.53	833.20	49.33	17.889		
4,900.00	4,580.90	4,827.43	4,706.80	30.75	25.01	-148.30	-489.92	829.03	903.66	853.25	50.41	17.928		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,925.17	4,801.63	31.45	25.54	-148.38	-503.48	848.40	924.79	873.31	51.48	17.965		
5,100.00	4,764.17	5,022.90	4,896.46	32.16	26.06	-148.45	-517.05	867.76	945.91	893.36	52.55	18.000		
5,200.00	4,855.81	5,120.64	4,991.29	32.86	26.59	-148.53	-530.61	887.13	967.04	913.42	53.62	18.034		
5,300.00	4,947.45	5,218.37	5,086.12	33.56	27.12	-148.60	-544.17	906.50	988.17	933.48	54.70	18.067		
5,400.00	5,039.08	5,316.11	5,180.96	34.27	27.65	-148.67	-557.73	925.87	1,009.31	953.54	55.77	18.098		
5,500.00	5,130.72	5,413.84	5,275.79	34.97	28.18	-148.73	-571.29	945.24	1,030.44	973.60	56.84	18.128		
5,600.00	5,222.36	5,511.58	5,370.62	35.68	28.70	-148.79	-584.86	964.60	1,051.57	993.66	57.92	18.156		
5,700.00	5,314.00	5,609.31	5,465.45	36.38	29.23	-148.85	-598.42	983.97	1,072.71	1,013.72	58.99	18.184		
5,800.00	5,405.63	5,707.05	5,560.28	37.08	29.76	-148.91	-611.98	1,003.34	1,093.85	1,033.78	60.07	18.210		
5,900.00	5,497.27	5,804.78	5,655.11	37.79	30.29	-148.96	-625.54	1,022.71	1,114.98	1,053.84	61.14	18.235		
6,000.00	5,588.91	5,902.52	5,749.95	38.50	30.82	-149.02	-639.10	1,042.08	1,136.12	1,073.90	62.22	18.260		
6,100.00	5,680.54	6,000.25	5,844.78	39.20	31.35	-149.07	-652.66	1,061.45	1,157.26	1,093.97	63.30	18.283		
6,200.00	5,772.18	6,102.01	5,939.61	39.91	31.90	-149.12	-666.23	1,080.81	1,178.40	1,114.01	64.39	18.300		
6,300.00	5,863.82	6,204.28	6,034.44	40.61	32.45	-149.17	-679.79	1,100.18	1,199.54	1,134.05	65.49	18.315		
6,400.00	5,955.45	6,306.54	6,129.27	41.32	33.01	-149.21	-693.35	1,119.55	1,220.69	1,154.09	66.59	18.330		
6,500.00	6,047.09	6,408.81	6,224.11	42.02	33.56	-149.26	-706.91	1,138.92	1,241.83	1,174.14	67.69	18.345		
6,600.00	6,138.73	6,488.93	6,318.94	42.73	34.00	-149.30	-720.47	1,158.29	1,262.97	1,194.29	68.68	18.389		
6,700.00	6,230.37	6,586.66	6,413.77	43.44	34.53	-149.34	-734.03	1,177.65	1,284.12	1,214.36	69.76	18.408		
6,712.03	6,241.39	6,598.42	6,425.18	43.52	34.59	-149.35	-735.67	1,179.98	1,286.66	1,216.77	69.89	18.410		
6,750.00	6,276.38	6,635.51	6,461.17	43.78	34.79	-157.40	-740.81	1,187.33	1,294.72	1,224.42	70.30	18.417		
6,800.00	6,322.91	6,684.26	6,508.58	44.09	35.05	-169.20	-747.60	1,196.35	1,305.41	1,234.58	70.84	18.429		
6,850.00	6,369.70	6,733.26	6,556.75	44.36	35.28	178.12	-754.51	1,202.00	1,316.13	1,244.80	71.33	18.450		
6,900.00	6,416.45	6,782.60	6,605.54	44.59	35.49	165.59	-761.52	1,203.90	1,326.82	1,255.03	71.79	18.481		
6,950.00	6,462.87	6,832.31	6,654.70	44.79	35.67	154.16	-768.61	1,201.94	1,337.42	1,265.20	72.22	18.518		
7,000.00	6,508.69	6,882.43	6,703.94	44.95	35.83	144.35	-775.73	1,196.05	1,347.85	1,275.22	72.64	18.556		
7,050.00	6,553.61	6,932.97	6,752.98	45.09	35.98	136.23	-782.84	1,186.16	1,358.06	1,285.01	73.05	18.591		
7,100.00	6,597.37	6,983.98	6,801.53	45.20	36.13	129.60	-789.89	1,172.24	1,367.98	1,294.52	73.47	18.620		
7,150.00	6,639.68	7,035.46	6,849.24	45.30	36.29	124.19	-796.85	1,154.24	1,377.55	1,303.65	73.90	18.640		
7,200.00	6,680.29	7,087.44	6,895.80	45.39	36.46	119.77	-803.66	1,132.19	1,386.72	1,312.35	74.36	18.648		
7,250.00	6,718.96	7,139.92	6,940.83	45.48	36.64	116.12	-810.27	1,106.10	1,395.41	1,320.56	74.85	18.643		
7,300.00	6,755.43	7,192.91	6,983.99	45.57	36.85	113.09	-816.62	1,076.05	1,403.58	1,328.20	75.37	18.622		
7,350.00	6,789.49	7,246.39	7,024.89	45.67	37.07	110.56	-822.67	1,042.14	1,411.17	1,335.23	75.94	18.582		
7,400.00	6,820.93	7,300.37	7,063.16	45.77	37.33	108.44	-828.36	1,004.53	1,418.13	1,341.57	76.56	18.522		
7,450.00	6,849.55	7,354.80	7,098.42	45.89	37.62	106.67	-833.64	963.41	1,424.43	1,347.18	77.25	18.439		
7,500.00	6,875.17	7,409.67	7,130.31	46.02	37.94	105.20	-838.44	919.05	1,430.00	1,352.00	78.01	18.332		
7,550.00	6,897.64	7,464.91	7,158.48	46.17	38.32	103.98	-842.72	871.74	1,434.82	1,355.99	78.84	18.200		
7,600.00	6,916.82	7,520.48	7,182.61	46.35	38.74	103.00	-846.43	821.84	1,438.86	1,359.11	79.75	18.043		
7,650.00	6,932.60	7,576.32	7,202.43	46.55	39.21	102.22	-849.54	769.74	1,442.08	1,361.34	80.74	17.862		
7,700.00	6,944.86	7,632.36	7,217.69	46.78	39.74	101.64	-851.99	715.90	1,444.46	1,362.65	81.81	17.657		
7,750.00	6,953.55	7,688.52	7,228.23	47.04	40.30	101.24	-853.77	660.78	1,445.99	1,363.04	82.95	17.432		
7,800.00	6,958.59	7,744.73	7,233.93	47.33	40.91	101.01	-854.86	604.90	1,446.65	1,362.50	84.15	17.190		
7,842.10	6,960.00	7,809.24	7,235.02	47.60	41.66	100.96	-855.24	558.88	1,446.55	1,361.10	85.45	16.929		
7,900.00	6,960.15	7,848.67	7,235.15	48.01	42.16	100.96	-855.53	500.98	1,446.02	1,359.30	86.72	16.674		
8,000.00	6,960.40	7,948.66	7,235.36	48.86	43.51	100.97	-856.04	400.99	1,445.11	1,355.57	89.54	16.139		
8,100.00	6,960.65	8,048.66	7,235.57	49.87	45.01	100.97	-856.55	300.99	1,444.20	1,351.59	92.61	15.594		
8,200.00	6,960.91	8,148.65	7,235.79	51.06	46.65	100.98	-857.06	201.00	1,443.30	1,347.38	95.91	15.048		
8,300.00	6,961.16	8,248.65	7,236.00	52.41	48.40	100.98	-857.57	101.01	1,442.39	1,342.96	99.42	14.507		
8,400.00	6,961.41	8,348.65	7,236.21	53.93	50.27	100.99	-858.07	1.01	1,441.48	1,338.36	103.12	13.978		
8,500.00	6,961.66	8,448.64	7,236.43	55.59	52.23	100.99	-858.58	-98.98	1,440.57	1,333.58	106.99	13.465		
8,600.00	6,961.91	8,548.64	7,236.64	57.37	54.27	101.00	-859.09	-198.98	1,439.66	1,328.66	111.01	12.969		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,648.63	7,236.85	59.27	56.39	101.01	-859.60	-298.97	1,438.75	1,323.60	115.16	12.494		
8,800.00	6,962.42	8,748.63	7,237.07	61.26	58.57	101.01	-860.11	-398.97	1,437.85	1,318.42	119.43	12.039		
8,900.00	6,962.67	8,848.62	7,237.28	63.34	60.81	101.02	-860.61	-498.96	1,436.94	1,313.13	123.81	11.606		
9,000.00	6,962.92	8,948.62	7,237.49	65.49	63.10	101.02	-861.12	-598.95	1,436.03	1,307.75	128.28	11.194		
9,100.00	6,963.17	9,048.62	7,237.70	67.70	65.44	101.03	-861.63	-698.95	1,435.12	1,302.27	132.85	10.803		
9,200.00	6,963.42	9,148.61	7,237.92	69.97	67.82	101.03	-862.14	-798.94	1,434.21	1,296.73	137.49	10.432		
9,300.00	6,963.68	9,248.61	7,238.13	72.28	70.23	101.04	-862.65	-898.94	1,433.30	1,291.11	142.20	10.080		
9,400.00	6,963.93	9,348.60	7,238.34	74.64	72.68	101.04	-863.16	-998.93	1,432.40	1,285.42	146.98	9.746		
9,500.00	6,964.18	9,448.60	7,238.56	77.04	75.16	101.05	-863.66	-1,098.93	1,431.49	1,279.68	151.81	9.430		
9,600.00	6,964.43	9,548.59	7,238.77	79.48	77.66	101.06	-864.17	-1,198.92	1,430.58	1,273.89	156.69	9.130		
9,700.00	6,964.68	9,648.59	7,238.98	81.94	80.19	101.06	-864.68	-1,298.91	1,429.67	1,268.04	161.63	8.845		
9,800.00	6,964.94	9,748.59	7,239.20	84.43	82.74	101.07	-865.19	-1,398.91	1,428.76	1,262.16	166.60	8.576		
9,900.00	6,965.19	9,848.58	7,239.41	86.95	85.31	101.07	-865.70	-1,498.90	1,427.86	1,256.23	171.62	8.320		
10,000.00	6,965.44	9,948.58	7,239.62	89.49	87.90	101.08	-866.21	-1,598.90	1,426.95	1,250.27	176.67	8.077		
10,100.00	6,965.69	10,048.57	7,239.83	92.05	90.50	101.08	-866.71	-1,698.89	1,426.04	1,244.28	181.76	7.846		
10,200.00	6,965.94	10,148.57	7,240.05	94.63	93.12	101.09	-867.22	-1,798.89	1,425.13	1,238.26	186.88	7.626		
10,300.00	6,966.19	10,248.57	7,240.26	97.22	95.75	101.09	-867.73	-1,898.88	1,424.22	1,232.20	192.02	7.417		
10,400.00	6,966.45	10,348.56	7,240.47	99.83	98.40	101.10	-868.24	-1,998.87	1,423.31	1,226.12	197.19	7.218		
10,500.00	6,966.70	10,448.56	7,240.69	102.46	101.06	101.11	-868.75	-2,098.87	1,422.41	1,220.02	202.38	7.028		
10,600.00	6,966.95	10,548.55	7,240.90	105.09	103.73	101.11	-869.25	-2,198.86	1,421.50	1,213.90	207.60	6.847		
10,700.00	6,967.20	10,648.55	7,241.11	107.74	106.40	101.12	-869.76	-2,298.86	1,420.59	1,207.76	212.84	6.675		
10,800.00	6,967.45	10,748.54	7,241.33	110.41	109.09	101.12	-870.27	-2,398.85	1,419.68	1,201.59	218.09	6.510		
10,900.00	6,967.71	10,848.54	7,241.54	113.08	111.79	101.13	-870.78	-2,498.85	1,418.77	1,195.41	223.36	6.352		
11,000.00	6,967.96	10,948.54	7,241.75	115.76	114.49	101.13	-871.29	-2,598.84	1,417.87	1,189.21	228.65	6.201		
11,100.00	6,968.21	11,048.53	7,241.96	118.45	117.20	101.14	-871.80	-2,698.83	1,416.96	1,183.00	233.96	6.057		
11,200.00	6,968.46	11,148.53	7,242.18	121.15	119.92	101.14	-872.30	-2,798.83	1,416.05	1,176.78	239.27	5.918		
11,300.00	6,968.71	11,248.52	7,242.39	123.85	122.65	101.15	-872.81	-2,898.82	1,415.14	1,170.54	244.60	5.785		
11,400.00	6,968.97	11,348.52	7,242.60	126.56	125.38	101.16	-873.32	-2,998.82	1,414.23	1,164.29	249.95	5.658		
11,500.00	6,969.22	11,448.51	7,242.82	129.28	128.11	101.16	-873.83	-3,098.81	1,413.33	1,158.02	255.30	5.536		
11,600.00	6,969.47	11,548.51	7,243.03	132.01	130.85	101.17	-874.34	-3,198.81	1,412.42	1,151.75	260.67	5.418		
11,700.00	6,969.72	11,648.51	7,243.24	134.74	133.60	101.17	-874.85	-3,298.80	1,411.51	1,145.46	266.05	5.306		
11,800.00	6,969.97	11,748.50	7,243.46	137.48	136.35	101.18	-875.35	-3,398.79	1,410.60	1,139.17	271.43	5.197		
11,900.00	6,970.22	11,848.50	7,243.67	140.22	139.11	101.18	-875.86	-3,498.79	1,409.69	1,132.87	276.83	5.092		
12,000.00	6,970.48	11,948.49	7,243.88	142.97	141.87	101.19	-876.37	-3,598.78	1,408.78	1,126.56	282.23	4.992		
12,100.00	6,970.73	12,048.49	7,244.09	145.72	144.63	101.20	-876.88	-3,698.78	1,407.88	1,120.24	287.64	4.895		
12,200.00	6,970.98	12,148.48	7,244.31	148.47	147.40	101.20	-877.39	-3,798.77	1,406.97	1,113.91	293.06	4.801		
12,300.00	6,971.23	12,248.48	7,244.52	151.23	150.17	101.21	-877.89	-3,898.77	1,406.06	1,107.58	298.48	4.711		
12,400.00	6,971.48	12,348.48	7,244.73	154.00	152.94	101.21	-878.40	-3,998.76	1,405.16	1,101.24	303.92	4.623		
12,500.00	6,971.74	12,448.47	7,244.95	156.76	155.72	101.22	-878.91	-4,098.75	1,404.25	1,094.89	309.36	4.539		
12,600.00	6,971.99	12,548.47	7,245.16	159.53	158.50	101.22	-879.42	-4,198.75	1,403.34	1,088.54	314.80	4.458		
12,700.00	6,972.24	12,648.46	7,245.37	162.31	161.28	101.23	-879.93	-4,298.74	1,402.43	1,082.18	320.25	4.379		
12,800.00	6,972.49	12,748.46	7,245.59	165.09	164.07	101.24	-880.44	-4,398.74	1,401.52	1,075.82	325.71	4.303		
12,900.00	6,972.74	12,848.46	7,245.80	167.86	166.85	101.24	-880.94	-4,498.73	1,400.62	1,069.45	331.17	4.229		
13,002.01	6,973.00	12,950.46	7,246.02	170.70	169.70	101.25	-881.46	-4,600.74	1,399.69	1,062.95	336.74	4.157 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	0.64	75.05	0.83	75.05					
100.00	100.00	100.00	100.00	3.28	3.28	0.64	75.05	0.83	75.05	68.48	6.57	11.424		
200.00	200.00	200.00	200.00	3.34	3.34	0.64	75.05	0.83	75.05	68.38	6.67	11.245		
300.00	300.00	301.75	301.73	3.44	3.44	1.67	73.81	2.16	73.87	66.97	6.89	10.716		
400.00	399.98	403.35	403.18	3.60	3.60	-145.26	70.13	6.11	71.89	64.68	7.21	9.972		
500.00	499.84	504.80	504.22	3.79	3.81	-142.06	64.00	12.68	70.73	63.12	7.61	9.291		
569.67	569.27	575.37	574.30	3.95	3.98	-139.42	58.30	18.79	70.49	62.54	7.94	8.873 CC		
600.00	599.45	606.08	604.72	4.02	4.06	-138.18	55.45	21.85	70.54	62.44	8.10	8.710 ES		
700.00	698.70	707.17	704.52	4.29	4.35	-133.79	44.51	33.58	71.44	62.78	8.66	8.252		
800.00	797.47	808.06	803.51	4.60	4.68	-129.09	31.20	47.85	73.56	64.28	9.29	7.923		
900.00	895.62	908.74	901.53	4.94	5.05	-124.32	15.56	64.63	77.01	67.03	9.98	7.714		
1,000.00	993.06	1,009.08	998.38	5.31	5.46	-119.73	-2.33	83.81	81.84	71.08	10.75	7.609		
1,100.00	1,089.64	1,108.78	1,094.28	5.72	5.90	-116.90	-20.91	103.73	88.43	76.84	11.59	7.631		
1,200.00	1,185.27	1,208.43	1,190.14	6.17	6.36	-116.30	-39.48	123.65	96.70	84.22	12.48	7.751		
1,300.00	1,279.82	1,307.91	1,285.84	6.65	6.83	-117.44	-58.02	143.53	106.54	93.13	13.41	7.947		
1,400.00	1,373.17	1,407.11	1,381.25	7.17	7.32	-119.82	-76.51	163.36	118.12	103.75	14.37	8.222		
1,479.95	1,446.87	1,486.12	1,457.26	7.61	7.71	-122.32	-91.24	179.15	128.84	113.69	15.15	8.505		
1,500.00	1,465.24	1,505.90	1,476.29	7.72	7.82	-123.02	-94.92	183.11	131.72	116.37	15.35	8.583		
1,600.00	1,556.88	1,604.55	1,571.18	8.31	8.32	-126.13	-113.31	202.82	146.34	130.00	16.34	8.957		
1,700.00	1,648.52	1,703.19	1,666.07	8.92	8.83	-128.66	-131.70	222.54	161.31	143.96	17.34	9.301		
1,800.00	1,740.15	1,801.83	1,760.96	9.54	9.35	-130.77	-150.08	242.25	176.53	158.17	18.36	9.616		
1,900.00	1,831.79	1,900.48	1,855.84	10.17	9.87	-132.53	-168.47	261.97	191.95	172.57	19.38	9.904		
2,000.00	1,923.43	2,000.88	1,950.73	10.81	10.41	-134.04	-186.85	281.69	207.52	187.10	20.42	10.163		
2,100.00	2,015.06	2,097.77	2,045.62	11.46	10.94	-135.33	-205.24	301.40	223.21	201.76	21.45	10.408		
2,200.00	2,106.70	2,203.59	2,140.51	12.11	11.51	-136.46	-223.62	321.12	239.00	216.47	22.53	10.610		
2,300.00	2,198.34	2,304.95	2,235.40	12.78	12.06	-137.44	-242.01	340.83	254.87	231.28	23.59	10.805		
2,400.00	2,289.98	2,406.30	2,330.29	13.44	12.62	-138.31	-260.39	360.55	270.80	246.14	24.66	10.983		
2,500.00	2,381.61	2,507.66	2,425.18	14.11	13.18	-139.09	-278.78	380.27	286.78	261.06	25.73	11.148		
2,600.00	2,473.25	2,609.01	2,520.07	14.79	13.74	-139.78	-297.16	399.98	302.82	276.02	26.80	11.299		
2,700.00	2,564.89	2,689.63	2,614.96	15.47	14.18	-140.40	-315.55	419.70	318.89	291.12	27.77	11.483		
2,800.00	2,656.52	2,788.28	2,709.84	16.15	14.73	-140.96	-333.94	439.41	334.99	306.15	28.84	11.617		
2,900.00	2,748.16	2,886.92	2,804.73	16.83	15.28	-141.47	-352.32	459.13	351.12	321.22	29.90	11.741		
3,000.00	2,839.80	2,985.56	2,899.62	17.52	15.83	-141.94	-370.71	478.85	367.28	336.30	30.98	11.857		
3,100.00	2,931.43	3,084.21	2,994.51	18.20	16.38	-142.36	-389.09	498.56	383.46	351.41	32.05	11.964		
3,200.00	3,023.07	3,182.85	3,089.40	18.89	16.93	-142.76	-407.48	518.28	399.66	366.53	33.13	12.065		
3,300.00	3,114.71	3,281.50	3,184.29	19.58	17.49	-143.12	-425.86	537.99	415.87	381.67	34.20	12.159		
3,400.00	3,206.35	3,380.14	3,279.18	20.27	18.04	-143.45	-444.25	557.71	432.10	396.82	35.28	12.247		
3,500.00	3,297.98	3,478.78	3,374.07	20.97	18.60	-143.76	-462.63	577.43	448.34	411.98	36.36	12.330		
3,600.00	3,389.62	3,577.43	3,468.96	21.66	19.15	-144.05	-481.02	597.14	464.60	427.15	37.44	12.407		
3,700.00	3,481.26	3,676.07	3,563.85	22.36	19.71	-144.32	-499.40	616.86	480.86	442.33	38.53	12.481		
3,800.00	3,572.89	3,774.72	3,658.73	23.05	20.27	-144.57	-517.79	636.57	497.14	457.52	39.61	12.550		
3,900.00	3,664.53	3,873.36	3,753.62	23.75	20.82	-144.81	-536.18	656.29	513.42	472.72	40.70	12.615		
4,000.00	3,756.17	3,972.00	3,848.51	24.45	21.38	-145.03	-554.56	676.01	529.71	487.93	41.78	12.677		
4,100.00	3,847.80	4,070.65	3,943.40	25.14	21.94	-145.23	-572.95	695.72	546.01	503.14	42.87	12.736		
4,200.00	3,939.44	4,169.29	4,038.29	25.84	22.50	-145.43	-591.33	715.44	562.32	518.35	43.96	12.791		
4,300.00	4,031.08	4,267.94	4,133.18	26.54	23.06	-145.61	-609.72	735.15	578.63	533.58	45.05	12.844		
4,400.00	4,122.72	4,366.58	4,228.07	27.24	23.62	-145.79	-628.10	754.87	594.94	548.80	46.14	12.894		
4,500.00	4,214.35	4,465.22	4,322.96	27.94	24.18	-145.95	-646.49	774.59	611.27	564.04	47.23	12.942		
4,600.00	4,305.99	4,563.87	4,417.85	28.64	24.74	-146.11	-664.87	794.30	627.59	579.27	48.32	12.988		
4,700.00	4,397.63	4,662.51	4,512.73	29.35	25.30	-146.26	-683.26	814.02	643.92	594.51	49.41	13.031		
4,800.00	4,489.26	4,761.16	4,607.62	30.05	25.86	-146.40	-701.64	833.73	660.26	609.75	50.51	13.073		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,580.90	4,859.80	4,702.51	30.75	26.42	-146.54	-720.03	853.45	676.60	625.00	51.60	13.112		
5,000.00	4,672.54	4,958.44	4,797.40	31.45	26.98	-146.66	-738.42	873.17	692.94	640.25	52.69	13.150		
5,100.00	4,764.17	5,057.09	4,892.29	32.16	27.54	-146.79	-756.80	892.88	709.29	655.50	53.79	13.187		
5,200.00	4,855.81	5,155.73	4,987.18	32.86	28.10	-146.90	-775.19	912.60	725.63	670.75	54.88	13.222		
5,300.00	4,947.45	5,254.38	5,082.07	33.56	28.66	-147.01	-793.57	932.31	741.98	686.01	55.98	13.255		
5,400.00	5,039.08	5,353.02	5,176.96	34.27	29.22	-147.12	-811.96	952.03	758.34	701.27	57.07	13.287		
5,500.00	5,130.72	5,451.66	5,271.85	34.97	29.79	-147.22	-830.34	971.75	774.70	716.53	58.17	13.318		
5,600.00	5,222.36	5,550.31	5,366.73	35.68	30.35	-147.32	-848.73	991.46	791.05	731.79	59.27	13.348		
5,700.00	5,314.00	5,648.95	5,461.62	36.38	30.91	-147.42	-867.11	1,011.18	807.41	747.05	60.36	13.376		
5,800.00	5,405.63	5,747.60	5,556.51	37.08	31.47	-147.51	-885.50	1,030.89	823.78	762.32	61.46	13.404		
5,900.00	5,497.27	5,846.24	5,651.40	37.79	32.03	-147.59	-903.88	1,050.61	840.14	777.59	62.56	13.430		
6,000.00	5,588.91	5,944.88	5,746.29	38.50	32.60	-147.68	-922.27	1,070.33	856.51	792.85	63.65	13.456		
6,100.00	5,680.54	6,043.53	5,841.18	39.20	33.16	-147.76	-940.66	1,090.04	872.88	808.13	64.75	13.480		
6,200.00	5,772.18	6,142.17	5,936.07	39.91	33.72	-147.83	-959.04	1,109.76	889.25	823.40	65.85	13.504		
6,300.00	5,863.82	6,240.82	6,030.96	40.61	34.29	-147.91	-977.43	1,129.47	905.62	838.67	66.95	13.527		
6,400.00	5,955.45	6,339.46	6,125.85	41.32	34.85	-147.98	-995.81	1,149.19	921.99	853.94	68.05	13.549		
6,500.00	6,047.09	6,438.11	6,220.73	42.02	35.41	-148.05	-1,014.20	1,168.91	938.37	869.22	69.15	13.571		
6,600.00	6,138.73	6,536.79	6,315.66	42.73	35.98	-148.12	-1,032.59	1,188.63	954.74	884.50	70.24	13.592		
6,700.00	6,230.37	6,637.31	6,413.55	43.44	36.48	-148.67	-1,051.51	1,200.64	971.01	899.80	71.20	13.637		
6,712.03	6,241.39	6,649.15	6,425.16	43.52	36.54	-148.80	-1,053.75	1,201.02	972.96	901.66	71.30	13.646		
6,750.00	6,276.38	6,686.17	6,461.51	43.78	36.68	-157.12	-1,060.74	1,200.77	979.20	907.62	71.58	13.681		
6,800.00	6,322.91	6,734.34	6,508.67	44.09	36.85	-169.39	-1,069.80	1,197.23	987.56	915.66	71.91	13.734		
6,850.00	6,369.70	6,781.88	6,554.84	44.36	36.99	-177.47	-1,078.65	1,190.19	996.05	923.85	72.21	13.794		
6,900.00	6,416.45	6,828.84	6,599.82	44.59	37.13	-164.48	-1,087.25	1,179.80	1,004.61	932.11	72.50	13.857		
6,950.00	6,462.87	6,875.28	6,643.44	44.79	37.26	-152.62	-1,095.56	1,166.25	1,013.17	940.39	72.78	13.921		
7,000.00	6,508.69	6,921.24	6,685.54	44.95	37.38	-142.39	-1,103.57	1,149.68	1,021.67	948.60	73.06	13.983		
7,050.00	6,553.61	6,966.76	6,725.98	45.09	37.51	-133.87	-1,111.24	1,130.26	1,030.05	956.69	73.36	14.041		
7,100.00	6,597.37	7,011.89	6,764.63	45.20	37.65	-126.86	-1,118.55	1,108.16	1,038.25	964.57	73.67	14.092		
7,150.00	6,639.68	7,056.66	6,801.36	45.30	37.79	-121.10	-1,125.48	1,083.53	1,046.21	972.20	74.01	14.136		
7,200.00	6,680.29	7,101.12	6,836.07	45.39	37.94	-116.34	-1,132.00	1,056.54	1,053.88	979.50	74.38	14.168		
7,250.00	6,718.96	7,145.31	6,868.65	45.48	38.11	-112.38	-1,138.10	1,027.34	1,061.20	986.41	74.79	14.189		
7,300.00	6,755.43	7,189.24	6,899.00	45.57	38.29	-109.06	-1,143.76	996.09	1,068.13	992.88	75.25	14.195		
7,350.00	6,789.49	7,232.96	6,927.03	45.67	38.49	-106.27	-1,148.96	962.95	1,074.61	998.84	75.76	14.184		
7,400.00	6,820.93	7,276.50	6,952.66	45.77	38.71	-103.91	-1,153.69	928.09	1,080.60	1,004.26	76.33	14.156		
7,450.00	6,849.55	7,319.88	6,975.81	45.89	38.96	-101.92	-1,157.94	891.66	1,086.06	1,009.08	76.98	14.109		
7,500.00	6,875.17	7,363.12	6,996.42	46.02	39.22	-100.26	-1,161.68	853.84	1,090.95	1,013.25	77.70	14.041		
7,550.00	6,897.64	7,406.25	7,014.42	46.17	39.52	-98.88	-1,164.91	814.78	1,095.24	1,016.75	78.49	13.953		
7,600.00	6,916.82	7,449.30	7,029.75	46.35	39.84	-97.76	-1,167.63	774.66	1,098.91	1,019.54	79.38	13.844		
7,650.00	6,932.60	7,492.28	7,042.37	46.55	40.20	-96.87	-1,169.82	733.64	1,101.93	1,021.59	80.35	13.715		
7,700.00	6,944.86	7,535.21	7,052.23	46.78	40.58	-96.21	-1,171.47	691.90	1,104.28	1,022.88	81.39	13.567		
7,750.00	6,953.55	7,578.11	7,059.31	47.04	40.99	-95.75	-1,172.58	649.61	1,105.94	1,023.42	82.52	13.402		
7,800.00	6,958.59	7,621.00	7,063.57	47.33	41.42	-95.50	-1,173.15	606.95	1,106.91	1,023.20	83.71	13.224		
7,842.10	6,960.00	7,657.11	7,064.96	47.60	41.80	-95.44	-1,173.20	570.87	1,107.18	1,022.43	84.75	13.064		
7,900.00	6,960.15	7,714.22	7,065.18	48.01	42.46	-95.44	-1,172.91	513.75	1,107.25	1,020.99	86.26	12.836		
8,000.00	6,960.40	7,814.22	7,065.52	48.86	43.73	-95.45	-1,172.38	413.76	1,107.37	1,018.28	89.09	12.430		
8,100.00	6,960.65	7,914.22	7,065.87	49.87	45.16	-95.45	-1,171.86	313.76	1,107.50	1,015.31	92.18	12.014		
8,200.00	6,960.91	8,014.22	7,066.21	51.06	46.74	-95.46	-1,171.33	213.76	1,107.62	1,012.10	95.52	11.596		
8,300.00	6,961.16	8,114.22	7,066.55	52.41	48.45	-95.46	-1,170.81	113.76	1,107.74	1,008.67	99.07	11.182		
8,400.00	6,961.41	8,214.22	7,066.90	53.93	50.27	-95.46	-1,170.29	13.76	1,107.87	1,005.05	102.81	10.776		
8,500.00	6,961.66	8,314.22	7,067.24	55.59	52.20	-95.47	-1,169.76	-86.23	1,107.99	1,001.26	106.73	10.381		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 16N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	8,414.22	7,067.58	57.37	54.22	95.47	-1,169.24	-186.23	1,108.11	997.31	110.80	10.001		
8,700.00	6,962.16	8,514.22	7,067.93	59.27	56.31	95.48	-1,168.71	-286.23	1,108.23	993.22	115.01	9.636		
8,800.00	6,962.42	8,614.22	7,068.27	61.26	58.48	95.48	-1,168.19	-386.23	1,108.36	989.01	119.35	9.287		
8,900.00	6,962.67	8,714.22	7,068.62	63.34	60.70	95.48	-1,167.66	-486.23	1,108.48	984.69	123.79	8.955		
9,000.00	6,962.92	8,814.22	7,068.96	65.49	62.98	95.49	-1,167.14	-586.22	1,108.60	980.27	128.33	8.638		
9,100.00	6,963.17	8,914.22	7,069.30	67.70	65.31	95.49	-1,166.61	-686.22	1,108.73	975.76	132.97	8.338		
9,200.00	6,963.42	9,014.22	7,069.65	69.97	67.68	95.50	-1,166.09	-786.22	1,108.85	971.17	137.68	8.054		
9,300.00	6,963.68	9,114.22	7,069.99	72.28	70.09	95.50	-1,165.57	-886.22	1,108.97	966.51	142.46	7.784		
9,400.00	6,963.93	9,214.22	7,070.33	74.64	72.53	95.51	-1,165.04	-986.21	1,109.10	961.79	147.31	7.529		
9,500.00	6,964.18	9,314.22	7,070.68	77.04	75.01	95.51	-1,164.52	-1,086.21	1,109.22	957.00	152.22	7.287		
9,600.00	6,964.43	9,414.22	7,071.02	79.48	77.51	95.51	-1,163.99	-1,186.21	1,109.34	952.16	157.18	7.058		
9,700.00	6,964.68	9,514.22	7,071.36	81.94	80.03	95.52	-1,163.47	-1,286.21	1,109.47	947.28	162.19	6.841		
9,800.00	6,964.94	9,614.22	7,071.71	84.43	82.58	95.52	-1,162.94	-1,386.21	1,109.59	942.35	167.24	6.635		
9,900.00	6,965.19	9,714.22	7,072.05	86.95	85.15	95.53	-1,162.42	-1,486.20	1,109.71	937.38	172.34	6.439		
10,000.00	6,965.44	9,814.22	7,072.40	89.49	87.74	95.53	-1,161.89	-1,586.20	1,109.84	932.37	177.47	6.254		
10,100.00	6,965.69	9,914.22	7,072.74	92.05	90.34	95.53	-1,161.37	-1,686.20	1,109.96	927.33	182.63	6.078		
10,200.00	6,965.94	10,014.22	7,073.08	94.63	92.96	95.54	-1,160.85	-1,786.20	1,110.08	922.26	187.82	5.910		
10,300.00	6,966.19	10,114.22	7,073.43	97.22	95.59	95.54	-1,160.32	-1,886.20	1,110.21	917.16	193.05	5.751		
10,400.00	6,966.45	10,214.22	7,073.77	99.83	98.24	95.55	-1,159.80	-1,986.19	1,110.33	912.03	198.30	5.599		
10,500.00	6,966.70	10,314.22	7,074.11	102.46	100.90	95.55	-1,159.27	-2,086.19	1,110.45	906.88	203.57	5.455		
10,600.00	6,966.95	10,414.22	7,074.46	105.09	103.57	95.56	-1,158.75	-2,186.19	1,110.58	901.71	208.86	5.317		
10,700.00	6,967.20	10,514.22	7,074.80	107.74	106.25	95.56	-1,158.22	-2,286.19	1,110.70	896.52	214.18	5.186		
10,800.00	6,967.45	10,614.22	7,075.15	110.41	108.94	95.56	-1,157.70	-2,386.19	1,110.82	891.31	219.51	5.060		
10,900.00	6,967.71	10,714.22	7,075.49	113.08	111.64	95.57	-1,157.17	-2,486.18	1,110.95	886.08	224.87	4.940		
11,000.00	6,967.96	10,814.22	7,075.83	115.76	114.34	95.57	-1,156.65	-2,586.18	1,111.07	880.83	230.24	4.826		
11,100.00	6,968.21	10,914.22	7,076.18	118.45	117.06	95.58	-1,156.12	-2,686.18	1,111.19	875.57	235.62	4.716		
11,200.00	6,968.46	11,014.22	7,076.52	121.15	119.78	95.58	-1,155.60	-2,786.18	1,111.32	870.30	241.02	4.611		
11,300.00	6,968.71	11,114.22	7,076.86	123.85	122.50	95.58	-1,155.08	-2,886.18	1,111.44	865.01	246.43	4.510		
11,400.00	6,968.97	11,214.22	7,077.21	126.56	125.24	95.59	-1,154.55	-2,986.17	1,111.56	859.71	251.86	4.414		
11,500.00	6,969.22	11,314.22	7,077.55	129.28	127.97	95.59	-1,154.03	-3,086.17	1,111.69	854.40	257.29	4.321		
11,600.00	6,969.47	11,414.22	7,077.89	132.01	130.72	95.60	-1,153.50	-3,186.17	1,111.81	849.07	262.74	4.232		
11,700.00	6,969.72	11,514.22	7,078.24	134.74	133.47	95.60	-1,152.98	-3,286.17	1,111.93	843.74	268.20	4.146		
11,800.00	6,969.97	11,614.22	7,078.58	137.48	136.22	95.60	-1,152.45	-3,386.16	1,112.06	838.39	273.66	4.064		
11,900.00	6,970.22	11,714.22	7,078.93	140.22	138.98	95.61	-1,151.93	-3,486.16	1,112.18	833.04	279.14	3.984		
12,000.00	6,970.48	11,814.22	7,079.27	142.97	141.74	95.61	-1,151.40	-3,586.16	1,112.30	827.68	284.62	3.908		
12,100.00	6,970.73	11,914.22	7,079.61	145.72	144.51	95.62	-1,150.88	-3,686.16	1,112.43	822.31	290.12	3.834		
12,200.00	6,970.98	12,014.22	7,079.96	148.47	147.28	95.62	-1,150.36	-3,786.16	1,112.55	816.93	295.62	3.763		
12,300.00	6,971.23	12,114.22	7,080.30	151.23	150.05	95.63	-1,149.83	-3,886.15	1,112.67	811.55	301.12	3.695		
12,400.00	6,971.48	12,214.22	7,080.64	154.00	152.83	95.63	-1,149.31	-3,986.15	1,112.80	806.16	306.64	3.629		
12,500.00	6,971.74	12,314.22	7,080.99	156.76	155.61	95.63	-1,148.78	-4,086.15	1,112.92	800.76	312.16	3.565		
12,600.00	6,971.99	12,414.22	7,081.33	159.53	158.39	95.64	-1,148.26	-4,186.15	1,113.04	795.36	317.69	3.504		
12,700.00	6,972.24	12,514.22	7,081.68	162.31	161.17	95.64	-1,147.73	-4,286.15	1,113.17	789.95	323.22	3.444		
12,800.00	6,972.49	12,614.22	7,082.02	165.09	163.96	95.65	-1,147.21	-4,386.14	1,113.29	784.53	328.76	3.386		
12,900.00	6,972.74	12,714.22	7,082.36	167.86	166.75	95.65	-1,146.68	-4,486.14	1,113.41	779.11	334.30	3.331		
13,002.01	6,973.00	12,816.23	7,082.71	170.70	169.60	95.65	-1,146.15	-4,586.15	1,113.54	773.58	339.96	3.276 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	1.07	14.94	0.28	14.94					
100.00	100.00	100.00	100.00	3.28	3.28	1.07	14.94	0.28	14.94	8.37	6.57	2.275		
200.00	200.00	200.00	200.00	3.34	3.34	1.07	14.94	0.28	14.94	8.27	6.67	2.239		
300.00	300.00	300.39	300.37	3.44	3.44	5.35	13.48	1.26	13.55	6.66	6.89	1.966		
400.00	399.98	400.63	400.47	3.60	3.59	-132.08	9.12	4.21	11.14	3.94	7.20	1.547		
500.00	499.84	500.75	500.20	3.79	3.80	-114.29	1.87	9.11	9.65	2.06	7.59	1.272	Level 3	
557.06	556.72	557.83	556.90	3.92	3.93	-102.13	-3.55	12.78	9.40	1.56	7.84	1.199	Level 2, CC	
600.00	599.45	600.74	599.44	4.02	4.04	-92.85	-8.24	15.95	9.54	1.49	8.05	1.185	Level 2, ES, SF	
700.00	698.70	700.61	698.07	4.29	4.32	-73.96	-21.21	24.71	10.90	2.28	8.62	1.264	Level 3	
800.00	797.47	800.36	795.97	4.60	4.65	-60.84	-36.99	35.38	13.31	4.03	9.28	1.435	Level 3	
900.00	895.62	899.98	893.04	4.94	5.01	-52.53	-55.56	47.93	16.35	6.36	9.99	1.636		
1,000.00	993.06	999.48	989.14	5.31	5.41	-47.34	-76.88	62.34	19.76	9.01	10.75	1.838		
1,100.00	1,089.64	1,098.85	1,084.17	5.72	5.85	-44.09	-100.93	78.60	23.40	11.85	11.55	2.026		
1,200.00	1,185.27	1,201.92	1,178.01	6.17	6.34	-42.06	-127.65	96.66	27.21	14.80	12.41	2.192		
1,300.00	1,279.82	1,301.96	1,271.95	6.65	6.86	-42.80	-155.98	115.80	29.85	16.54	13.31	2.242		
1,400.00	1,373.17	1,402.00	1,365.87	7.17	7.39	-48.02	-184.30	134.95	30.05	15.74	14.31	2.099		
1,479.95	1,446.87	1,477.83	1,440.89	7.61	7.81	-56.06	-206.93	150.24	28.91	13.71	15.20	1.902		
1,500.00	1,465.24	1,502.16	1,459.69	7.72	7.94	-58.63	-212.59	154.07	28.58	13.11	15.47	1.847		
1,599.24	1,556.19	1,596.86	1,552.74	8.31	8.48	-71.98	-240.65	173.04	27.80	11.10	16.70	1.665		
1,600.00	1,556.88	1,602.38	1,553.45	8.31	8.51	-72.08	-240.87	173.18	27.80	11.07	16.74	1.661		
1,700.00	1,648.52	1,697.39	1,647.21	8.92	9.05	-85.52	-269.14	192.29	28.60	10.64	17.96	1.592		
1,800.00	1,740.15	1,797.17	1,740.97	9.54	9.63	-97.61	-297.41	211.40	30.85	11.72	19.13	1.613		
1,900.00	1,831.79	1,903.05	1,834.73	10.17	10.25	-107.69	-325.69	230.51	34.27	14.04	20.23	1.694		
2,000.00	1,923.43	2,003.27	1,928.49	10.81	10.85	-115.75	-353.96	249.62	38.54	17.30	21.24	1.815		
2,100.00	2,015.06	2,103.49	2,022.25	11.46	11.45	-122.10	-382.23	268.73	43.42	21.21	22.22	1.954		
2,200.00	2,106.70	2,203.72	2,116.02	12.11	12.06	-127.13	-410.51	287.84	48.73	25.54	23.19	2.101		
2,300.00	2,198.34	2,303.94	2,209.78	12.78	12.67	-131.14	-438.78	306.95	54.33	30.16	24.17	2.248		
2,400.00	2,289.98	2,395.84	2,303.54	13.44	13.23	-134.39	-467.06	326.06	60.15	35.04	25.11	2.395		
2,500.00	2,381.61	2,504.38	2,397.30	14.11	13.89	-137.07	-495.33	345.17	66.13	39.97	26.15	2.528		
2,600.00	2,473.25	2,595.39	2,491.06	14.79	14.45	-139.29	-523.60	364.28	72.23	45.12	27.11	2.664		
2,700.00	2,564.89	2,704.83	2,584.82	15.47	15.13	-141.17	-551.88	383.39	78.42	50.24	28.18	2.783		
2,800.00	2,656.52	2,805.05	2,678.58	16.15	15.75	-142.77	-580.15	402.50	84.68	55.47	29.21	2.899		
2,900.00	2,748.16	2,905.27	2,772.34	16.83	16.38	-144.15	-608.42	421.61	91.00	60.76	30.24	3.009		
3,000.00	2,839.80	3,005.49	2,866.10	17.52	17.00	-145.35	-636.70	440.72	97.36	66.08	31.28	3.112		
3,100.00	2,931.43	3,105.72	2,959.86	18.20	17.63	-146.40	-664.97	459.83	103.76	71.43	32.33	3.210		
3,200.00	3,023.07	3,205.94	3,053.62	18.89	18.25	-147.33	-693.24	478.94	110.19	76.81	33.38	3.301		
3,300.00	3,114.71	3,306.16	3,147.38	19.58	18.88	-148.16	-721.52	498.05	116.65	82.22	34.44	3.387		
3,400.00	3,206.35	3,406.38	3,241.14	20.27	19.51	-148.90	-749.79	517.16	123.13	87.63	35.50	3.469		
3,500.00	3,297.98	3,506.60	3,334.90	20.97	20.14	-149.56	-778.06	536.27	129.63	93.07	36.56	3.545		
3,600.00	3,389.62	3,593.17	3,428.66	21.66	20.68	-150.17	-806.34	555.38	136.14	98.59	37.56	3.625		
3,700.00	3,481.26	3,707.05	3,522.42	22.36	21.40	-150.71	-834.61	574.49	142.67	103.97	38.70	3.686		
3,800.00	3,572.89	3,807.27	3,616.18	23.05	22.03	-151.21	-862.88	593.60	149.21	109.43	39.77	3.751		
3,900.00	3,664.53	3,907.49	3,709.94	23.75	22.67	-151.67	-891.16	612.71	155.76	114.91	40.85	3.813		
4,000.00	3,756.17	4,007.71	3,803.71	24.45	23.30	-152.09	-919.43	631.83	162.32	120.39	41.93	3.871		
4,100.00	3,847.80	4,107.94	3,897.47	25.14	23.93	-152.48	-947.70	650.94	168.88	125.87	43.01	3.927		
4,200.00	3,939.44	4,208.16	3,991.23	25.84	24.57	-152.84	-975.98	670.05	175.46	131.37	44.09	3.979		
4,300.00	4,031.08	4,308.38	4,084.99	26.54	25.20	-153.17	-1,004.25	689.16	182.04	136.86	45.18	4.030		
4,400.00	4,122.72	4,408.60	4,178.75	27.24	25.84	-153.48	-1,032.52	708.27	188.62	142.36	46.26	4.077		
4,500.00	4,214.35	4,491.17	4,272.51	27.94	26.36	-153.77	-1,060.80	727.38	195.21	147.96	47.25	4.131		
4,600.00	4,305.99	4,609.05	4,366.27	28.64	27.11	-154.04	-1,089.07	746.49	201.81	153.37	48.44	4.166		
4,700.00	4,397.63	4,690.73	4,460.03	29.35	27.63	-154.29	-1,117.34	765.60	208.41	158.98	49.43	4.217		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,489.26	4,790.51	4,553.79	30.05	28.26	-154.53	-1,145.62	784.71	215.01	164.50	50.51	4.257		
4,900.00	4,580.90	4,909.71	4,647.55	30.75	29.02	-154.75	-1,173.89	803.82	221.62	169.91	51.71	4.286		
5,000.00	4,672.54	4,990.06	4,741.31	31.45	29.53	-154.96	-1,202.16	822.93	228.23	175.54	52.69	4.331		
5,100.00	4,764.17	5,089.84	4,835.07	32.16	30.16	-155.16	-1,230.44	842.04	234.84	181.06	53.78	4.366		
5,200.00	4,855.81	5,189.62	4,928.83	32.86	30.80	-155.35	-1,258.71	861.15	241.46	186.58	54.88	4.400		
5,300.00	4,947.45	5,289.40	5,022.59	33.56	31.43	-155.53	-1,286.99	880.26	248.08	192.11	55.97	4.432		
5,400.00	5,039.08	5,389.18	5,116.35	34.27	32.07	-155.69	-1,315.26	899.37	254.70	197.63	57.06	4.463		
5,500.00	5,130.72	5,488.95	5,210.11	34.97	32.70	-155.85	-1,343.53	918.48	261.32	203.16	58.16	4.493		
5,600.00	5,222.36	5,588.73	5,303.87	35.68	33.34	-156.01	-1,371.81	937.59	267.94	208.69	59.25	4.522		
5,700.00	5,314.00	5,688.51	5,397.63	36.38	33.97	-156.15	-1,400.08	956.70	274.57	214.22	60.35	4.550		
5,800.00	5,405.63	5,788.29	5,491.40	37.08	34.61	-156.29	-1,428.35	975.81	281.20	219.75	61.44	4.577		
5,900.00	5,497.27	5,888.07	5,585.16	37.79	35.24	-156.42	-1,456.63	994.92	287.83	225.29	62.54	4.602		
6,000.00	5,588.91	5,987.84	5,678.92	38.50	35.88	-156.55	-1,484.90	1,014.03	294.46	230.82	63.64	4.627		
6,100.00	5,680.54	6,087.62	5,772.68	39.20	36.51	-156.67	-1,513.17	1,033.14	301.09	236.35	64.74	4.651		
6,200.00	5,772.18	6,187.40	5,866.44	39.91	37.15	-156.78	-1,541.45	1,052.25	307.72	241.89	65.83	4.674		
6,300.00	5,863.82	6,287.18	5,960.20	40.61	37.79	-156.89	-1,569.72	1,071.36	314.36	247.43	66.93	4.697		
6,400.00	5,955.45	6,386.95	6,053.96	41.32	38.42	-157.00	-1,597.99	1,090.47	320.99	252.96	68.03	4.718		
6,500.00	6,047.09	6,486.73	6,147.72	42.02	39.06	-157.10	-1,626.27	1,109.58	327.63	258.50	69.13	4.739		
6,600.00	6,138.73	6,586.51	6,241.48	42.73	39.70	-157.19	-1,654.54	1,128.69	334.27	264.04	70.23	4.760		
6,700.00	6,230.37	6,686.29	6,335.24	43.44	40.33	-157.29	-1,682.81	1,147.80	340.91	269.58	71.33	4.779		
6,712.03	6,241.39	6,701.71	6,346.52	43.52	40.43	-157.30	-1,686.21	1,150.10	341.71	270.22	71.48	4.780		
6,750.00	6,276.38	6,736.17	6,382.11	43.78	40.65	-164.71	-1,696.95	1,157.35	344.11	272.20	71.91	4.785		
6,800.00	6,322.91	6,785.86	6,428.81	44.09	40.97	-175.19	-1,711.03	1,166.87	346.94	274.35	72.59	4.779		
6,850.00	6,369.70	6,835.06	6,475.04	44.36	41.28	174.07	-1,724.97	1,176.30	349.52	276.14	73.38	4.763		
6,900.00	6,416.45	6,883.25	6,520.35	44.59	41.59	163.99	-1,738.63	1,185.39	352.11	277.83	74.28	4.741		
6,950.00	6,462.87	6,931.12	6,565.75	44.79	41.87	155.11	-1,752.35	1,191.79	355.05	279.84	75.20	4.721		
7,000.00	6,508.69	6,979.96	6,612.40	44.95	42.13	147.82	-1,766.48	1,194.63	358.37	282.26	76.11	4.708		
7,050.00	6,553.61	7,029.84	6,660.11	45.09	42.36	142.18	-1,780.97	1,193.67	362.06	285.07	76.99	4.703		
7,100.00	6,597.37	7,080.83	6,708.64	45.20	42.55	137.97	-1,795.75	1,188.66	366.07	288.26	77.81	4.705		
7,150.00	6,639.68	7,133.01	6,757.73	45.30	42.72	134.92	-1,810.73	1,179.34	370.37	291.82	78.55	4.715		
7,200.00	6,680.29	7,186.44	6,807.05	45.39	42.87	132.77	-1,825.83	1,165.48	374.90	295.72	79.18	4.735		
7,250.00	6,718.96	7,241.18	6,856.24	45.48	43.01	131.30	-1,840.93	1,146.85	379.59	299.90	79.69	4.763		
7,300.00	6,755.43	7,297.28	6,904.86	45.57	43.13	130.33	-1,855.91	1,123.24	384.35	304.30	80.05	4.802		
7,350.00	6,789.49	7,354.79	6,952.42	45.67	43.25	129.75	-1,870.62	1,094.49	389.11	308.86	80.25	4.849		
7,400.00	6,820.93	7,413.72	6,998.37	45.77	43.38	129.46	-1,884.88	1,060.49	393.77	313.47	80.30	4.904		
7,450.00	6,849.55	7,474.07	7,042.09	45.89	43.51	129.36	-1,898.52	1,021.22	398.24	318.03	80.21	4.965		
7,500.00	6,875.17	7,535.83	7,082.92	46.02	43.66	129.42	-1,911.34	976.74	402.42	322.39	80.02	5.029		
7,550.00	6,897.64	7,598.93	7,120.17	46.17	43.84	129.57	-1,923.11	927.22	406.20	326.42	79.78	5.092		
7,600.00	6,916.82	7,663.27	7,153.13	46.35	44.05	129.77	-1,933.63	873.00	409.50	329.95	79.54	5.148		
7,650.00	6,932.60	7,728.74	7,181.11	46.55	44.29	130.01	-1,942.67	814.54	412.22	332.83	79.39	5.192		
7,700.00	6,944.86	7,795.17	7,203.47	46.78	44.59	130.25	-1,950.04	752.46	414.29	334.90	79.39	5.219		
7,750.00	6,953.55	7,862.35	7,219.65	47.04	44.95	130.48	-1,955.57	687.52	415.64	336.03	79.61	5.221		
7,800.00	6,958.59	7,930.06	7,229.25	47.33	45.36	130.68	-1,959.12	620.62	416.23	336.13	80.10	5.196		
7,842.10	6,960.00	7,987.30	7,232.01	47.60	45.76	130.82	-1,960.50	563.48	416.11	335.38	80.74	5.154		
7,900.00	6,960.15	8,044.71	7,232.48	48.01	46.23	130.94	-1,961.18	506.07	415.62	333.66	81.97	5.071		
8,000.00	6,960.40	8,144.70	7,233.29	48.86	47.15	131.14	-1,962.37	406.10	414.78	330.58	84.20	4.926		
8,100.00	6,960.65	8,244.69	7,234.10	49.87	48.26	131.34	-1,963.56	306.12	413.94	327.35	86.59	4.780		
8,200.00	6,960.91	8,344.67	7,234.90	51.06	49.55	131.55	-1,964.75	206.14	413.11	323.99	89.12	4.635		
8,300.00	6,961.16	8,444.66	7,235.71	52.41	51.00	131.75	-1,965.95	106.17	412.28	320.51	91.78	4.492		
8,400.00	6,961.41	8,544.64	7,236.52	53.93	52.60	131.96	-1,967.14	6.19	411.46	316.92	94.55	4.352		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30C-14-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,500.00	6,961.66	8,644.63	7,237.33	55.59	54.33	132.17	-1,968.33	-93.78	410.65	313.23	97.41	4.215		
8,600.00	6,961.91	8,744.61	7,238.13	57.37	56.18	132.38	-1,969.52	-193.76	409.84	309.47	100.37	4.083		
8,700.00	6,962.16	8,844.60	7,238.94	59.27	58.13	132.58	-1,970.71	-293.73	409.03	305.63	103.40	3.956		
8,800.00	6,962.42	8,944.59	7,239.75	61.26	60.16	132.79	-1,971.90	-393.71	408.23	301.74	106.49	3.833		
8,900.00	6,962.67	9,044.57	7,240.56	63.34	62.27	133.00	-1,973.09	-493.68	407.44	297.79	109.65	3.716		
9,000.00	6,962.92	9,144.56	7,241.37	65.49	64.44	133.22	-1,974.28	-593.66	406.65	293.79	112.85	3.603		
9,100.00	6,963.17	9,244.54	7,242.17	67.70	66.68	133.43	-1,975.48	-693.63	405.86	289.76	116.10	3.496		
9,200.00	6,963.42	9,344.53	7,242.98	69.97	68.96	133.64	-1,976.67	-793.61	405.09	285.70	119.38	3.393		
9,300.00	6,963.68	9,444.51	7,243.79	72.28	71.29	133.85	-1,977.86	-893.58	404.31	281.62	122.70	3.295		
9,400.00	6,963.93	9,544.50	7,244.60	74.64	73.66	134.07	-1,979.05	-993.56	403.55	277.51	126.04	3.202		
9,500.00	6,964.18	9,644.48	7,245.40	77.04	76.07	134.28	-1,980.24	-1,093.53	402.79	273.39	129.39	3.113		
9,600.00	6,964.43	9,744.47	7,246.21	79.48	78.51	134.50	-1,981.43	-1,193.51	402.03	269.26	132.77	3.028		
9,700.00	6,964.68	9,844.46	7,247.02	81.94	80.98	134.72	-1,982.62	-1,293.48	401.28	265.12	136.16	2.947		
9,800.00	6,964.94	9,944.44	7,247.83	84.43	83.47	134.93	-1,983.82	-1,393.46	400.54	260.98	139.55	2.870		
9,900.00	6,965.19	10,044.43	7,248.63	86.95	85.99	135.15	-1,985.01	-1,493.43	399.80	256.84	142.96	2.797		
10,000.00	6,965.44	10,144.41	7,249.44	89.49	88.53	135.37	-1,986.20	-1,593.41	399.07	252.71	146.36	2.727		
10,100.00	6,965.69	10,244.40	7,250.25	92.05	91.09	135.59	-1,987.39	-1,693.39	398.34	248.57	149.77	2.660		
10,200.00	6,965.94	10,344.38	7,251.06	94.63	93.67	135.81	-1,988.58	-1,793.36	397.62	244.45	153.17	2.596		
10,300.00	6,966.19	10,444.37	7,251.87	97.22	96.27	136.03	-1,989.77	-1,893.34	396.91	240.34	156.57	2.535		
10,400.00	6,966.45	10,544.36	7,252.67	99.83	98.87	136.26	-1,990.96	-1,993.31	396.20	236.24	159.96	2.477		
10,500.00	6,966.70	10,644.34	7,253.48	102.46	101.50	136.48	-1,992.16	-2,093.29	395.50	232.15	163.35	2.421		
10,600.00	6,966.95	10,744.33	7,254.29	105.09	104.13	136.70	-1,993.35	-2,193.26	394.80	228.08	166.72	2.368		
10,700.00	6,967.20	10,844.31	7,255.10	107.74	106.78	136.93	-1,994.54	-2,293.24	394.11	224.03	170.08	2.317		
10,800.00	6,967.45	10,944.30	7,255.90	110.41	109.44	137.15	-1,995.73	-2,393.21	393.42	220.00	173.43	2.268		
10,900.00	6,967.71	11,044.28	7,256.71	113.08	112.11	137.38	-1,996.92	-2,493.19	392.75	215.98	176.76	2.222		
11,000.00	6,967.96	11,144.27	7,257.52	115.76	114.79	137.61	-1,998.11	-2,593.16	392.07	211.99	180.08	2.177		
11,100.00	6,968.21	11,244.26	7,258.33	118.45	117.47	137.84	-1,999.30	-2,693.14	391.41	208.03	183.38	2.134		
11,200.00	6,968.46	11,344.24	7,259.13	121.15	120.17	138.06	-2,000.49	-2,793.11	390.75	204.08	186.67	2.093		
11,300.00	6,968.71	11,444.23	7,259.94	123.85	122.87	138.29	-2,001.69	-2,893.09	390.10	200.17	189.93	2.054		
11,400.00	6,968.97	11,544.21	7,260.75	126.56	125.58	138.52	-2,002.88	-2,993.06	389.45	196.28	193.17	2.016		
11,500.00	6,969.22	11,644.20	7,261.56	129.28	128.29	138.75	-2,004.07	-3,093.04	388.81	192.41	196.39	1.980		
11,600.00	6,969.47	11,744.18	7,262.37	132.01	131.01	138.99	-2,005.26	-3,193.01	388.17	188.58	199.59	1.945		
11,700.00	6,969.72	11,844.17	7,263.17	134.74	133.74	139.22	-2,006.45	-3,292.99	387.55	184.77	202.77	1.911		
11,800.00	6,969.97	11,944.15	7,263.98	137.48	136.47	139.45	-2,007.64	-3,392.97	386.92	181.00	205.93	1.879		
11,900.00	6,970.22	12,044.14	7,264.79	140.22	139.21	139.69	-2,008.83	-3,492.94	386.31	177.25	209.05	1.848		
12,000.00	6,970.48	12,144.13	7,265.60	142.97	141.95	139.92	-2,010.03	-3,592.92	385.70	173.54	212.16	1.818		
12,100.00	6,970.73	12,244.11	7,266.40	145.72	144.70	140.16	-2,011.22	-3,692.89	385.10	169.86	215.24	1.789		
12,200.00	6,970.98	12,344.10	7,267.21	148.47	147.45	140.39	-2,012.41	-3,792.87	384.50	166.21	218.29	1.761		
12,300.00	6,971.23	12,444.08	7,268.02	151.23	150.20	140.63	-2,013.60	-3,892.84	383.91	162.60	221.31	1.735		
12,400.00	6,971.48	12,544.07	7,268.83	154.00	152.96	140.87	-2,014.79	-3,992.82	383.33	159.02	224.31	1.709		
12,500.00	6,971.74	12,644.05	7,269.63	156.76	155.73	141.11	-2,015.98	-4,092.79	382.75	155.47	227.28	1.684		
12,600.00	6,971.99	12,744.04	7,270.44	159.53	158.49	141.34	-2,017.17	-4,192.77	382.19	151.96	230.22	1.660		
12,700.00	6,972.24	12,844.03	7,271.25	162.31	161.26	141.58	-2,018.36	-4,292.74	381.62	148.49	233.14	1.637		
12,800.00	6,972.49	12,944.01	7,272.06	165.09	164.03	141.82	-2,019.56	-4,392.72	381.07	145.05	236.02	1.615		
12,900.00	6,972.74	13,044.00	7,272.87	167.86	166.81	142.07	-2,020.75	-4,492.69	380.52	141.65	238.87	1.593		
13,000.00	6,973.00	13,145.99	7,273.69	170.70	169.64	142.31	-2,021.96	-4,592.68	379.96	138.21	241.75	1.572		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	29.87	0.28	29.87					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	29.87	0.28	29.87	23.31	6.57	4.548		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	29.87	0.28	29.87	23.20	6.67	4.476		
300.00	300.00	300.81	300.79	3.44	3.44	2.64	28.43	1.31	28.47	21.58	6.89	4.131		
400.00	399.98	401.47	401.30	3.60	3.60	-141.63	24.12	4.41	25.90	18.69	7.21	3.592		
500.00	499.84	502.00	501.44	3.79	3.80	-134.89	16.95	9.55	23.78	16.17	7.61	3.125		
600.00	599.45	602.40	601.08	4.02	4.04	-126.48	6.95	16.72	22.30	14.21	8.09	2.758		
700.00	698.70	702.68	700.10	4.29	4.33	-116.74	-5.87	25.92	21.63	13.00	8.63	2.506		
721.84	720.31	724.55	721.63	4.36	4.40	-114.51	-9.04	28.19	21.61	12.85	8.76	2.466 CC		
800.00	797.47	802.82	798.38	4.60	4.66	-106.48	-21.47	37.11	21.91	12.66	9.25	2.368 ES		
900.00	895.62	902.83	895.80	4.94	5.02	-96.70	-39.83	50.27	23.16	13.20	9.96	2.326		
1,000.00	993.06	1,002.70	992.24	5.31	5.42	-88.19	-60.91	65.39	25.30	14.56	10.74	2.356		
1,100.00	1,089.64	1,102.44	1,087.59	5.72	5.87	-81.25	-84.68	82.44	28.20	16.61	11.59	2.432		
1,200.00	1,185.27	1,202.08	1,181.78	6.17	6.35	-75.86	-111.08	101.38	31.70	19.19	12.51	2.534		
1,300.00	1,279.82	1,302.02	1,275.79	6.65	6.86	-74.89	-138.63	121.14	34.92	21.43	13.49	2.589		
1,400.00	1,373.17	1,401.95	1,369.79	7.17	7.39	-79.24	-166.18	140.89	37.35	22.81	14.54	2.568		
1,479.95	1,446.87	1,481.75	1,444.86	7.61	7.83	-85.95	-188.17	156.67	39.18	23.74	15.44	2.538		
1,500.00	1,465.24	1,501.74	1,463.67	7.72	7.94	-87.94	-193.68	160.63	39.70	24.04	15.66	2.535		
1,600.00	1,556.88	1,601.48	1,557.49	8.31	8.50	-97.02	-221.18	180.34	42.99	26.20	16.79	2.561		
1,700.00	1,648.52	1,701.21	1,651.31	8.92	9.07	-104.65	-248.67	200.06	47.20	29.31	17.89	2.638		
1,800.00	1,740.15	1,800.94	1,745.12	9.54	9.65	-110.95	-276.16	219.78	52.11	33.13	18.98	2.746		
1,900.00	1,831.79	1,900.67	1,838.94	10.17	10.24	-116.11	-303.65	239.50	57.53	37.49	20.04	2.871		
2,000.00	1,923.43	2,000.40	1,932.76	10.81	10.83	-120.36	-331.14	259.22	63.34	42.24	21.10	3.002		
2,100.00	2,015.06	2,100.13	2,026.58	11.46	11.43	-123.88	-358.63	278.93	69.43	47.28	22.15	3.135		
2,200.00	2,106.70	2,200.14	2,120.39	12.11	12.03	-126.83	-386.13	298.65	75.75	52.54	23.21	3.264		
2,300.00	2,198.34	2,300.41	2,214.21	12.78	12.64	-129.31	-413.62	318.37	82.23	57.97	24.26	3.389		
2,400.00	2,289.98	2,400.68	2,308.03	13.44	13.25	-131.43	-441.11	338.09	88.85	63.52	25.32	3.508		
2,500.00	2,381.61	2,499.05	2,401.84	14.11	13.85	-133.25	-468.60	357.81	95.57	69.19	26.38	3.623		
2,600.00	2,473.25	2,601.21	2,495.66	14.79	14.48	-134.84	-496.09	377.53	102.37	74.91	27.46	3.728		
2,700.00	2,564.89	2,701.48	2,589.48	15.47	15.10	-136.22	-523.58	397.24	109.24	80.71	28.53	3.829		
2,800.00	2,656.52	2,801.75	2,683.30	16.15	15.72	-137.44	-551.07	416.96	116.17	86.56	29.61	3.924		
2,900.00	2,748.16	2,902.02	2,777.11	16.83	16.34	-138.53	-578.57	436.68	123.14	92.46	30.68	4.013		
3,000.00	2,839.80	2,997.71	2,870.93	17.52	16.93	-139.49	-606.06	456.40	130.16	98.42	31.74	4.100		
3,100.00	2,931.43	3,102.56	2,964.75	18.20	17.59	-140.36	-633.55	476.12	137.20	104.35	32.85	4.176		
3,200.00	3,023.07	3,197.17	3,058.57	18.89	18.18	-141.14	-661.04	495.84	144.28	110.37	33.91	4.255		
3,300.00	3,114.71	3,303.10	3,152.38	19.58	18.84	-141.85	-688.53	515.55	151.38	116.34	35.03	4.321		
3,400.00	3,206.35	3,403.37	3,246.20	20.27	19.47	-142.50	-716.02	535.27	158.50	122.37	36.13	4.387		
3,500.00	3,297.98	3,503.64	3,340.02	20.97	20.10	-143.09	-743.51	554.99	165.64	128.41	37.22	4.450		
3,600.00	3,389.62	3,603.90	3,433.84	21.66	20.73	-143.63	-771.01	574.71	172.79	134.47	38.32	4.509		
3,700.00	3,481.26	3,704.17	3,527.65	22.36	21.36	-144.13	-798.50	594.43	179.96	140.54	39.42	4.565		
3,800.00	3,572.89	3,804.44	3,621.47	23.05	21.99	-144.59	-825.99	614.15	187.14	146.61	40.52	4.618		
3,900.00	3,664.53	3,904.71	3,715.29	23.75	22.62	-145.01	-853.48	633.86	194.33	152.70	41.63	4.668		
4,000.00	3,756.17	4,004.98	3,809.10	24.45	23.25	-145.41	-880.97	653.58	201.53	158.80	42.73	4.716		
4,100.00	3,847.80	4,094.75	3,902.92	25.14	23.82	-145.78	-908.46	673.30	208.74	164.96	43.78	4.768		
4,200.00	3,939.44	4,205.52	3,996.74	25.84	24.52	-146.12	-935.95	693.02	215.96	171.02	44.95	4.805		
4,300.00	4,031.08	4,305.79	4,090.56	26.54	25.15	-146.44	-963.45	712.74	223.19	177.13	46.06	4.846		
4,400.00	4,122.72	4,406.06	4,184.37	27.24	25.79	-146.74	-990.94	732.45	230.42	183.25	47.17	4.885		
4,500.00	4,214.35	4,506.33	4,278.19	27.94	26.42	-147.03	-1,018.43	752.17	237.66	189.38	48.28	4.923		
4,600.00	4,305.99	4,593.41	4,372.01	28.64	26.97	-147.29	-1,045.92	771.89	244.91	195.59	49.32	4.966		
4,700.00	4,397.63	4,706.86	4,465.83	29.35	27.69	-147.54	-1,073.41	791.61	252.15	201.65	50.50	4.993		
4,800.00	4,489.26	4,792.87	4,559.64	30.05	28.23	-147.78	-1,100.90	811.33	259.41	207.87	51.54	5.033		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1		Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
4,900.00	4,580.90	4,907.40	4,653.46	30.75	28.96	-148.01	-1,128.39	831.05	266.67	213.93	52.73	5.057				
5,000.00	4,672.54	5,007.67	4,747.28	31.45	29.60	-148.22	-1,155.89	850.76	273.93	220.08	53.85	5.087				
5,100.00	4,764.17	5,107.94	4,841.09	32.16	30.23	-148.42	-1,183.38	870.48	281.19	226.23	54.97	5.116				
5,200.00	4,855.81	5,191.79	4,934.91	32.86	30.76	-148.61	-1,210.87	890.20	288.46	232.47	55.99	5.152				
5,300.00	4,947.45	5,308.48	5,028.73	33.56	31.50	-148.79	-1,238.36	909.92	295.73	238.53	57.20	5.170				
5,400.00	5,039.08	5,408.75	5,122.55	34.27	32.14	-148.96	-1,265.85	929.64	303.01	244.69	58.32	5.196				
5,500.00	5,130.72	5,490.98	5,216.36	34.97	32.66	-149.13	-1,293.34	949.36	310.28	250.95	59.34	5.229				
5,600.00	5,222.36	5,609.28	5,310.18	35.68	33.42	-149.29	-1,320.84	969.07	317.56	257.01	60.56	5.244				
5,700.00	5,314.00	5,709.55	5,404.00	36.38	34.05	-149.44	-1,348.33	988.79	324.84	263.17	61.68	5.267				
5,800.00	5,405.63	5,809.82	5,497.82	37.08	34.69	-149.58	-1,375.82	1,008.51	332.13	269.33	62.80	5.289				
5,900.00	5,497.27	5,889.91	5,591.63	37.79	35.20	-149.72	-1,403.31	1,028.23	339.41	275.61	63.81	5.319				
6,000.00	5,588.91	5,989.64	5,685.45	38.50	35.83	-149.85	-1,430.80	1,047.95	346.70	281.78	64.92	5.340				
6,100.00	5,680.54	6,089.37	5,779.27	39.20	36.47	-149.98	-1,458.29	1,067.67	353.99	287.95	66.04	5.360				
6,200.00	5,772.18	6,189.10	5,873.08	39.91	37.10	-150.10	-1,485.78	1,087.38	361.28	294.12	67.16	5.379				
6,300.00	5,863.82	6,288.83	5,966.90	40.61	37.74	-150.21	-1,513.28	1,107.10	368.57	300.29	68.28	5.398				
6,400.00	5,955.45	6,388.56	6,060.72	41.32	38.37	-150.33	-1,540.77	1,126.82	375.87	306.47	69.40	5.416				
6,500.00	6,047.09	6,488.29	6,154.54	42.02	39.01	-150.43	-1,568.26	1,146.54	383.16	312.64	70.52	5.433				
6,600.00	6,138.73	6,588.03	6,248.35	42.73	39.64	-150.54	-1,595.75	1,166.26	390.46	318.82	71.64	5.450				
6,700.00	6,230.37	6,687.73	6,342.16	43.44	40.27	-150.65	-1,623.24	1,185.89	397.76	325.00	72.76	5.467				
6,712.03	6,241.39	6,699.69	6,353.47	43.52	40.35	-150.70	-1,626.55	1,187.95	398.64	325.76	72.88	5.470				
6,750.00	6,276.38	6,737.36	6,389.29	43.78	40.57	-158.53	-1,637.04	1,192.99	401.43	328.19	73.24	5.481				
6,800.00	6,322.91	6,786.82	6,436.65	44.09	40.83	-170.14	-1,650.88	1,196.25	405.16	331.48	73.68	5.499				
6,850.00	6,369.70	6,836.13	6,483.97	44.36	41.05	177.37	-1,664.70	1,195.67	408.91	334.83	74.08	5.520				
6,900.00	6,416.45	6,885.30	6,530.96	44.59	41.24	165.04	-1,678.41	1,191.30	412.67	338.21	74.45	5.543				
6,950.00	6,462.87	6,934.32	6,577.37	44.79	41.40	153.81	-1,691.93	1,183.19	416.40	341.59	74.81	5.566				
7,000.00	6,508.69	6,983.22	6,622.93	44.95	41.53	144.20	-1,705.18	1,171.43	420.09	344.92	75.17	5.589				
7,050.00	6,553.61	7,032.00	6,667.39	45.09	41.66	136.28	-1,718.10	1,156.10	423.70	348.17	75.53	5.610				
7,100.00	6,597.37	7,080.66	6,710.50	45.20	41.77	129.86	-1,730.60	1,137.32	427.22	351.32	75.91	5.628				
7,150.00	6,639.68	7,129.23	6,752.02	45.30	41.88	124.66	-1,742.63	1,115.21	430.63	354.33	76.30	5.644				
7,200.00	6,680.29	7,177.72	6,791.74	45.39	41.98	120.43	-1,754.12	1,089.92	433.90	357.17	76.73	5.655				
7,250.00	6,718.96	7,226.12	6,829.45	45.48	42.09	116.97	-1,765.01	1,061.61	437.01	359.82	77.19	5.662				
7,300.00	6,755.43	7,274.45	6,864.93	45.57	42.21	114.12	-1,775.23	1,030.44	439.94	362.25	77.69	5.663				
7,350.00	6,789.49	7,322.73	6,898.01	45.67	42.34	111.76	-1,784.74	996.61	442.67	364.43	78.24	5.658				
7,400.00	6,820.93	7,370.95	6,928.51	45.77	42.48	109.81	-1,793.49	960.30	445.19	366.33	78.86	5.645				
7,450.00	6,849.55	7,419.14	6,956.26	45.89	42.64	108.20	-1,801.42	921.73	447.47	367.93	79.54	5.626				
7,500.00	6,875.17	7,467.30	6,981.12	46.02	42.81	106.87	-1,808.50	881.12	449.51	369.22	80.29	5.599				
7,550.00	6,897.64	7,515.43	7,002.96	46.17	43.01	105.78	-1,814.68	838.68	451.29	370.17	81.12	5.563				
7,600.00	6,916.82	7,563.56	7,021.66	46.35	43.24	104.92	-1,819.95	794.66	452.80	370.77	82.03	5.520				
7,650.00	6,932.60	7,611.68	7,037.11	46.55	43.50	104.26	-1,824.26	749.30	454.03	371.01	83.03	5.469				
7,700.00	6,944.86	7,659.81	7,049.24	46.78	43.79	103.77	-1,827.59	702.86	454.98	370.88	84.10	5.410				
7,750.00	6,953.55	7,707.95	7,057.96	47.04	44.11	103.46	-1,829.92	655.58	455.63	370.39	85.24	5.345				
7,800.00	6,958.59	7,756.12	7,063.24	47.33	44.46	103.31	-1,831.25	607.74	455.99	369.55	86.44	5.275				
7,842.10	6,960.00	7,802.13	7,064.98	47.60	44.83	103.31	-1,831.58	567.31	456.06	368.49	87.57	5.208				
7,900.00	6,960.15	7,854.49	7,065.46	48.01	45.30	103.35	-1,831.46	509.41	456.02	367.03	88.99	5.124				
8,000.00	6,960.40	7,954.49	7,066.28	48.86	46.32	103.43	-1,831.25	409.42	455.96	364.20	91.76	4.969				
8,100.00	6,960.65	8,054.49	7,067.11	49.87	47.52	103.50	-1,831.04	309.42	455.90	361.13	94.77	4.811				
8,200.00	6,960.91	8,154.49	7,067.94	51.06	48.88	103.58	-1,830.83	209.43	455.84	357.84	98.00	4.651				
8,300.00	6,961.16	8,254.48	7,068.76	52.41	50.41	103.66	-1,830.62	109.43	455.78	354.34	101.44	4.493				
8,400.00	6,961.41	8,354.48	7,069.59	53.93	52.07	103.73	-1,830.41	9.44	455.72	350.66	105.06	4.338				
8,500.00	6,961.66	8,454.48	7,070.41	55.59	53.86	103.81	-1,830.20	-90.56	455.66	346.82	108.84	4.187				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 30N-14B-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	8,554.48	7,071.24	57.37	55.76	103.88	-1,829.99	-190.55	455.61	342.84	112.77	4.040		
8,700.00	6,962.16	8,654.48	7,072.06	59.27	57.75	103.96	-1,829.78	-290.55	455.55	338.72	116.83	3.899		
8,800.00	6,962.42	8,754.47	7,072.89	61.26	59.82	104.04	-1,829.57	-390.54	455.49	334.49	121.00	3.764		
8,900.00	6,962.67	8,854.47	7,073.72	63.34	61.97	104.11	-1,829.36	-490.54	455.44	330.16	125.28	3.635		
9,000.00	6,962.92	8,954.47	7,074.54	65.49	64.18	104.19	-1,829.15	-590.53	455.38	325.73	129.66	3.512		
9,100.00	6,963.17	9,054.47	7,075.37	67.70	66.44	104.26	-1,828.95	-690.52	455.33	321.22	134.11	3.395		
9,200.00	6,963.42	9,154.47	7,076.19	69.97	68.75	104.34	-1,828.74	-790.52	455.28	316.63	138.65	3.284		
9,300.00	6,963.68	9,254.47	7,077.02	72.28	71.11	104.42	-1,828.53	-890.51	455.23	311.98	143.25	3.178		
9,400.00	6,963.93	9,354.46	7,077.85	74.64	73.51	104.49	-1,828.32	-990.51	455.18	307.26	147.92	3.077		
9,500.00	6,964.18	9,454.46	7,078.67	77.04	75.94	104.57	-1,828.11	-1,090.50	455.13	302.49	152.64	2.982		
9,600.00	6,964.43	9,554.46	7,079.50	79.48	78.40	104.65	-1,827.90	-1,190.50	455.08	297.67	157.40	2.891		
9,700.00	6,964.68	9,654.46	7,080.32	81.94	80.89	104.72	-1,827.69	-1,290.49	455.03	292.81	162.22	2.805		
9,800.00	6,964.94	9,754.46	7,081.15	84.43	83.40	104.80	-1,827.48	-1,390.49	454.98	287.91	167.08	2.723		
9,900.00	6,965.19	9,854.45	7,081.98	86.95	85.94	104.88	-1,827.27	-1,490.48	454.94	282.97	171.97	2.645		
10,000.00	6,965.44	9,954.45	7,082.80	89.49	88.50	104.95	-1,827.06	-1,590.48	454.89	278.00	176.89	2.572		
10,100.00	6,965.69	10,054.45	7,083.63	92.05	91.08	105.03	-1,826.85	-1,690.47	454.84	272.99	181.85	2.501		
10,200.00	6,965.94	10,154.45	7,084.45	94.63	93.67	105.10	-1,826.64	-1,790.46	454.80	267.96	186.84	2.434		
10,300.00	6,966.19	10,254.45	7,085.28	97.22	96.28	105.18	-1,826.44	-1,890.46	454.76	262.91	191.84	2.370		
10,400.00	6,966.45	10,354.45	7,086.10	99.83	98.91	105.26	-1,826.23	-1,990.45	454.71	257.84	196.88	2.310		
10,500.00	6,966.70	10,454.44	7,086.93	102.46	101.54	105.33	-1,826.02	-2,090.45	454.67	252.74	201.93	2.252		
10,600.00	6,966.95	10,554.44	7,087.76	105.09	104.19	105.41	-1,825.81	-2,190.44	454.63	247.63	207.00	2.196		
10,700.00	6,967.20	10,654.44	7,088.58	107.74	106.85	105.49	-1,825.60	-2,290.44	454.59	242.50	212.09	2.143		
10,800.00	6,967.45	10,754.44	7,089.41	110.41	109.53	105.56	-1,825.39	-2,390.43	454.55	237.35	217.20	2.093		
10,900.00	6,967.71	10,854.44	7,090.23	113.08	112.21	105.64	-1,825.18	-2,490.43	454.51	232.19	222.32	2.044		
11,000.00	6,967.96	10,954.43	7,091.06	115.76	114.90	105.72	-1,824.97	-2,590.42	454.48	227.02	227.45	1.998		
11,100.00	6,968.21	11,054.43	7,091.89	118.45	117.60	105.79	-1,824.76	-2,690.41	454.44	221.84	232.60	1.954		
11,200.00	6,968.46	11,154.43	7,092.71	121.15	120.30	105.87	-1,824.55	-2,790.41	454.40	216.65	237.75	1.911		
11,300.00	6,968.71	11,254.43	7,093.54	123.85	123.02	105.95	-1,824.34	-2,890.40	454.37	211.45	242.92	1.870		
11,400.00	6,968.97	11,354.43	7,094.36	126.56	125.73	106.02	-1,824.13	-2,990.40	454.33	206.24	248.09	1.831		
11,500.00	6,969.22	11,454.43	7,095.19	129.28	128.46	106.10	-1,823.93	-3,090.39	454.30	201.02	253.28	1.794		
11,600.00	6,969.47	11,554.42	7,096.01	132.01	131.19	106.18	-1,823.72	-3,190.39	454.27	195.80	258.47	1.758		
11,700.00	6,969.72	11,654.42	7,096.84	134.74	133.93	106.25	-1,823.51	-3,290.38	454.23	190.57	263.66	1.723		
11,800.00	6,969.97	11,754.42	7,097.67	137.48	136.67	106.33	-1,823.30	-3,390.38	454.20	185.34	268.87	1.689		
11,900.00	6,970.22	11,854.42	7,098.49	140.22	139.42	106.40	-1,823.09	-3,490.37	454.17	180.10	274.07	1.657		
12,000.00	6,970.48	11,954.42	7,099.32	142.97	142.17	106.48	-1,822.88	-3,590.37	454.14	174.85	279.29	1.626		
12,100.00	6,970.73	12,054.41	7,100.14	145.72	144.93	106.56	-1,822.67	-3,690.36	454.11	169.61	284.50	1.596		
12,200.00	6,970.98	12,154.41	7,100.97	148.47	147.69	106.63	-1,822.46	-3,790.35	454.08	164.36	289.72	1.567		
12,300.00	6,971.23	12,254.41	7,101.80	151.23	150.45	106.71	-1,822.25	-3,890.35	454.06	159.11	294.95	1.539		
12,400.00	6,971.48	12,354.41	7,102.62	154.00	153.22	106.79	-1,822.04	-3,990.34	454.03	153.86	300.18	1.513		
12,500.00	6,971.74	12,454.41	7,103.45	156.76	155.99	106.86	-1,821.83	-4,090.34	454.01	148.60	305.41	1.487 Level 3		
12,600.00	6,971.99	12,554.40	7,104.27	159.53	158.77	106.94	-1,821.62	-4,190.33	453.98	143.34	310.64	1.461 Level 3		
12,700.00	6,972.24	12,654.40	7,105.10	162.31	161.54	107.02	-1,821.42	-4,290.33	453.96	138.09	315.87	1.437 Level 3		
12,800.00	6,972.49	12,754.40	7,105.93	165.09	164.32	107.09	-1,821.21	-4,390.32	453.93	132.83	321.10	1.414 Level 3		
12,900.00	6,972.74	12,854.40	7,106.75	167.86	167.11	107.17	-1,821.00	-4,490.32	453.91	127.57	326.34	1.391 Level 3		
13,002.01	6,973.00	12,956.41	7,107.59	170.70	169.95	107.25	-1,820.78	-4,592.32	453.89	122.21	331.68	1.368 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-179.65	-45.17	-0.28	45.17					
100.00	100.00	100.00	100.00	3.28	3.28	-179.65	-45.17	-0.28	45.17	38.61	6.57	6.877		
200.00	200.00	200.00	200.00	3.34	3.34	-179.65	-45.17	-0.28	45.17	38.50	6.67	6.769		
300.00	300.00	300.00	300.00	3.44	3.44	-179.65	-45.17	-0.28	45.17	38.29	6.89	6.557 CC		
400.00	399.98	398.59	398.57	3.60	3.59	31.16	-46.71	0.44	45.23	38.04	7.20	6.285		
500.00	499.84	497.19	497.03	3.79	3.78	31.77	-51.33	2.58	45.42	37.83	7.59	5.983		
600.00	599.45	595.78	595.26	4.02	4.01	32.77	-59.01	6.14	45.74	37.67	8.07	5.667		
700.00	698.70	694.37	693.13	4.29	4.28	34.15	-69.76	11.12	46.20	37.58	8.62	5.359 ES		
800.00	797.47	792.97	790.54	4.60	4.57	35.88	-83.56	17.52	46.84	37.61	9.23	5.074		
900.00	895.62	891.56	887.36	4.94	4.90	37.92	-100.39	25.33	47.68	37.79	9.89	4.819		
1,000.00	993.06	990.15	983.49	5.31	5.27	40.23	-120.23	34.53	48.74	38.14	10.60	4.597		
1,100.00	1,089.64	1,088.74	1,078.81	5.72	5.67	42.77	-143.06	45.12	50.06	38.70	11.36	4.405		
1,200.00	1,185.27	1,187.33	1,173.21	6.17	6.10	45.47	-168.85	57.08	51.66	39.49	12.18	4.243		
1,300.00	1,279.82	1,285.92	1,266.57	6.65	6.57	48.27	-197.57	70.40	53.58	40.53	13.05	4.107		
1,400.00	1,373.17	1,384.51	1,358.79	7.17	7.07	51.13	-229.19	85.06	55.83	41.85	13.98	3.993		
1,479.95	1,446.87	1,463.34	1,431.63	7.61	7.50	53.41	-256.53	97.74	57.88	43.10	14.78	3.915		
1,500.00	1,465.24	1,483.10	1,449.76	7.72	7.61	53.93	-263.67	101.05	58.47	43.48	14.99	3.901		
1,600.00	1,556.88	1,581.65	1,539.32	8.31	8.19	54.94	-300.95	118.34	62.81	46.77	16.04	3.916		
1,700.00	1,648.52	1,680.40	1,627.66	8.92	8.80	53.74	-340.97	136.90	69.29	52.20	17.09	4.055		
1,800.00	1,740.15	1,780.13	1,716.50	9.54	9.45	52.26	-382.09	155.97	76.39	58.20	18.18	4.201		
1,900.00	1,831.79	1,879.86	1,805.34	10.17	10.12	51.02	-423.20	175.04	83.52	64.23	19.29	4.329		
2,000.00	1,923.43	1,979.59	1,894.17	10.81	10.80	49.99	-464.32	194.10	90.70	70.27	20.42	4.441		
2,100.00	2,015.06	2,079.32	1,983.01	11.46	11.49	49.10	-505.44	213.17	97.89	76.33	21.56	4.540		
2,200.00	2,106.70	2,179.05	2,071.85	12.11	12.19	48.34	-546.55	232.24	105.11	82.39	22.71	4.628		
2,300.00	2,198.34	2,278.78	2,160.68	12.78	12.90	47.67	-587.67	251.31	112.34	88.46	23.88	4.705		
2,400.00	2,289.98	2,378.51	2,249.52	13.44	13.61	47.09	-628.79	270.38	119.59	94.54	25.05	4.774		
2,500.00	2,381.61	2,478.24	2,338.35	14.11	14.33	46.57	-669.90	289.45	126.84	100.62	26.23	4.837		
2,600.00	2,473.25	2,577.97	2,427.19	14.79	15.05	46.11	-711.02	308.51	134.11	106.70	27.41	4.893		
2,700.00	2,564.89	2,677.70	2,516.03	15.47	15.78	45.69	-752.14	327.58	141.38	112.78	28.60	4.943		
2,800.00	2,656.52	2,777.43	2,604.86	16.15	16.52	45.32	-793.25	346.65	148.66	118.87	29.80	4.989		
2,900.00	2,748.16	2,877.16	2,693.70	16.83	17.25	44.98	-834.37	365.72	155.95	124.95	31.00	5.031		
3,000.00	2,839.80	2,976.89	2,782.54	17.52	17.99	44.67	-875.49	384.79	163.24	131.04	32.20	5.069		
3,100.00	2,931.43	3,076.62	2,871.37	18.20	18.73	44.39	-916.60	403.86	170.53	137.13	33.41	5.104		
3,200.00	3,023.07	3,176.35	2,960.21	18.89	19.47	44.13	-957.72	422.92	177.83	143.21	34.62	5.137		
3,300.00	3,114.71	3,276.08	3,049.05	19.58	20.22	43.89	-998.84	441.99	185.14	149.30	35.83	5.167		
3,400.00	3,206.35	3,375.81	3,137.88	20.27	20.96	43.67	-1,039.95	461.06	192.44	155.39	37.05	5.194		
3,500.00	3,297.98	3,475.54	3,226.72	20.97	21.71	43.47	-1,081.07	480.13	199.75	161.48	38.27	5.220		
3,600.00	3,389.62	3,575.27	3,315.56	21.66	22.46	43.27	-1,122.19	499.20	207.06	167.57	39.49	5.243		
3,700.00	3,481.26	3,675.00	3,404.39	22.36	23.21	43.10	-1,163.30	518.27	214.37	173.66	40.71	5.265		
3,800.00	3,572.89	3,774.73	3,493.23	23.05	23.96	42.93	-1,204.42	537.33	221.69	179.75	41.94	5.286		
3,900.00	3,664.53	3,874.46	3,582.07	23.75	24.71	42.78	-1,245.54	556.40	229.00	185.84	43.16	5.305		
4,000.00	3,756.17	3,974.19	3,670.90	24.45	25.47	42.63	-1,286.65	575.47	236.32	191.93	44.39	5.323		
4,100.00	3,847.80	4,073.92	3,759.74	25.14	26.22	42.50	-1,327.77	594.54	243.64	198.02	45.62	5.340		
4,200.00	3,939.44	4,173.65	3,848.58	25.84	26.98	42.37	-1,368.89	613.61	250.96	204.11	46.85	5.356		
4,300.00	4,031.08	4,273.38	3,937.41	26.54	27.73	42.25	-1,410.00	632.68	258.28	210.20	48.08	5.371		
4,400.00	4,122.72	4,373.11	4,026.25	27.24	28.49	42.13	-1,451.12	651.74	265.60	216.29	49.32	5.386		
4,500.00	4,214.35	4,472.84	4,115.09	27.94	29.25	42.02	-1,492.24	670.81	272.93	222.37	50.55	5.399		
4,600.00	4,305.99	4,572.57	4,203.92	28.64	30.00	41.92	-1,533.35	689.88	280.25	228.46	51.79	5.412		
4,700.00	4,397.63	4,672.30	4,292.76	29.35	30.76	41.82	-1,574.47	708.95	287.58	234.55	53.02	5.424		
4,800.00	4,489.26	4,772.03	4,381.59	30.05	31.52	41.73	-1,615.59	728.02	294.90	240.64	54.26	5.435		
4,900.00	4,580.90	4,871.76	4,470.43	30.75	32.28	41.64	-1,656.70	747.09	302.23	246.73	55.50	5.446		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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		
5,000.00	4,672.54	4,971.49	4,559.27	31.45	33.04	41.56	-1,697.82	766.15	309.56	252.82	56.73	5.456			
5,100.00	4,764.17	5,071.22	4,648.10	32.16	33.80	41.48	-1,738.94	785.22	316.88	258.91	57.97	5.466			
5,200.00	4,855.81	5,170.95	4,736.94	32.86	34.56	41.40	-1,780.05	804.29	324.21	265.00	59.21	5.475			
5,300.00	4,947.45	5,270.68	4,825.78	33.56	35.32	41.33	-1,821.17	823.36	331.54	271.09	60.45	5.484			
5,400.00	5,039.08	5,370.41	4,914.61	34.27	36.08	41.26	-1,862.29	842.43	338.87	277.18	61.69	5.493			
5,500.00	5,130.72	5,470.14	5,003.45	34.97	36.84	41.19	-1,903.40	861.49	346.20	283.27	62.93	5.501			
5,600.00	5,222.36	5,569.87	5,092.29	35.68	37.60	41.13	-1,944.52	880.56	353.53	289.36	64.18	5.509			
5,700.00	5,314.00	5,669.60	5,181.12	36.38	38.37	41.07	-1,985.64	899.63	360.86	295.45	65.42	5.516			
5,800.00	5,405.63	5,769.33	5,269.96	37.08	39.13	41.01	-2,026.75	918.70	368.20	301.54	66.66	5.524			
5,900.00	5,497.27	5,869.06	5,358.80	37.79	39.89	40.95	-2,067.87	937.77	375.53	307.63	67.90	5.530			
6,000.00	5,588.91	5,968.79	5,447.63	38.50	40.65	40.89	-2,108.99	956.84	382.86	313.72	69.15	5.537			
6,100.00	5,680.54	6,068.52	5,536.47	39.20	41.41	40.84	-2,150.10	975.90	390.19	319.80	70.39	5.543			
6,200.00	5,772.18	6,168.25	5,625.31	39.91	42.18	40.79	-2,191.22	994.97	397.53	325.89	71.63	5.549			
6,300.00	5,863.82	6,267.98	5,714.14	40.61	42.94	40.74	-2,232.34	1,014.04	404.86	331.98	72.88	5.555			
6,400.00	5,955.45	6,367.71	5,802.98	41.32	43.70	40.70	-2,273.45	1,033.11	412.19	338.07	74.12	5.561			
6,500.00	6,047.09	6,467.44	5,891.82	42.02	44.47	40.65	-2,314.57	1,052.18	419.53	344.16	75.37	5.566			
6,600.00	6,138.73	6,567.17	5,980.65	42.73	45.23	40.61	-2,355.69	1,071.25	426.86	350.25	76.61	5.572			
6,700.00	6,230.37	6,666.90	6,069.49	43.44	45.99	40.56	-2,396.80	1,090.31	434.20	356.34	77.86	5.577			
6,712.03	6,241.39	6,678.90	6,080.18	43.52	46.09	40.56	-2,401.75	1,092.61	435.08	357.07	78.01	5.577			
6,750.00	6,276.38	6,716.76	6,113.90	43.78	46.38	33.28	-2,417.36	1,099.85	437.63	359.20	78.43	5.580			
6,800.00	6,322.91	6,766.43	6,158.14	44.09	46.76	21.88	-2,437.83	1,109.34	440.31	361.49	78.82	5.586			
6,850.00	6,369.70	6,815.60	6,201.94	44.36	47.13	9.06	-2,458.11	1,118.75	442.33	363.30	79.03	5.597			
6,900.00	6,416.45	6,863.98	6,245.04	44.59	47.50	-4.11	-2,478.05	1,128.00	443.89	364.82	79.07	5.614			
6,950.00	6,462.87	6,911.27	6,287.16	44.79	47.87	-16.61	-2,497.55	1,137.04	445.30	366.34	78.96	5.640			
7,000.00	6,508.69	6,957.17	6,328.04	44.95	48.22	-27.84	-2,516.47	1,145.81	446.94	368.21	78.72	5.677			
7,050.00	6,553.61	7,001.40	6,367.44	45.09	48.56	-37.65	-2,534.71	1,154.27	449.27	370.86	78.40	5.730			
7,100.00	6,597.37	7,043.68	6,405.11	45.20	48.88	-46.11	-2,552.14	1,162.35	452.79	374.75	78.04	5.802			
7,150.00	6,639.68	7,083.77	6,440.82	45.30	49.19	-53.36	-2,568.67	1,170.02	458.02	380.33	77.69	5.895			
7,200.00	6,680.29	7,121.41	6,474.35	45.39	49.48	-59.53	-2,584.19	1,177.22	465.49	388.07	77.42	6.013			
7,250.00	6,718.96	7,156.37	6,505.49	45.48	49.74	-64.69	-2,598.60	1,183.90	475.63	398.37	77.26	6.156			
7,300.00	6,755.43	7,188.42	6,534.04	45.57	49.99	-68.89	-2,611.82	1,190.03	488.83	411.56	77.27	6.326			
7,350.00	6,789.49	7,225.87	6,567.50	45.67	50.27	-72.93	-2,627.30	1,196.57	505.17	427.58	77.60	6.510			
7,400.00	6,820.93	7,269.24	6,606.60	45.77	50.57	-76.84	-2,645.38	1,201.50	524.13	445.98	78.15	6.707			
7,450.00	6,849.55	7,316.75	6,649.68	45.89	50.87	-80.49	-2,665.28	1,203.53	545.40	466.66	78.75	6.926			
7,500.00	6,875.17	7,369.97	6,697.96	46.02	51.16	-84.04	-2,687.56	1,201.58	568.63	489.42	79.21	7.179			
7,550.00	6,897.64	7,431.37	6,753.25	46.17	51.44	-87.67	-2,713.04	1,193.84	593.39	514.08	79.31	7.482			
7,600.00	6,916.82	7,504.87	6,818.18	46.35	51.71	-91.61	-2,742.93	1,176.92	619.12	540.40	78.72	7.865			
7,650.00	6,932.60	7,596.96	6,896.36	46.55	51.94	-96.11	-2,778.85	1,144.28	645.03	568.06	76.97	8.381			
7,700.00	6,944.86	7,700.00	6,967.36	46.78	52.13	-99.56	-2,811.41	1,100.64	669.76	595.01	74.76	8.959			
7,750.00	6,953.55	7,885.41	7,101.61	47.04	52.37	-106.83	-2,872.69	968.62	691.35	623.33	68.03	10.163			
7,800.00	6,958.59	7,800.00	7,191.24	47.33	52.19	-110.80	-2,913.17	799.26	705.72	642.25	63.47	11.119			
7,842.10	6,960.00	8,321.65	7,232.03	47.60	53.49	-112.54	-2,930.77	565.38	709.59	638.32	71.27	9.956			
7,900.00	6,960.15	8,379.56	7,232.36	48.01	53.76	-112.55	-2,930.61	507.48	709.74	637.12	72.62	9.773			
8,000.00	6,960.40	8,479.56	7,232.94	48.86	54.31	-112.57	-2,930.35	407.48	710.01	634.83	75.18	9.444			
8,100.00	6,960.65	8,579.56	7,233.52	49.87	54.99	-112.59	-2,930.09	307.49	710.27	632.25	78.02	9.104			
8,200.00	6,960.91	8,679.56	7,234.10	51.06	55.81	-112.61	-2,929.83	207.49	710.53	629.43	81.11	8.760			
8,300.00	6,961.16	8,779.56	7,234.69	52.41	56.79	-112.63	-2,929.57	107.49	710.80	626.38	84.42	8.420			
8,400.00	6,961.41	8,879.55	7,235.27	53.93	57.93	-112.65	-2,929.31	7.49	711.06	623.13	87.93	8.087			
8,500.00	6,961.66	8,979.55	7,235.85	55.59	59.25	-112.67	-2,929.05	-92.50	711.32	619.71	91.61	7.764			
8,600.00	6,961.91	9,079.55	7,236.43	57.37	60.72	-112.69	-2,928.79	-192.50	711.59	616.13	95.45	7.455			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	9,179.55	7,237.01	59.27	62.35	-112.71	-2,928.52	-292.50	711.85	612.42	99.43	7.159		
8,800.00	6,962.42	9,279.55	7,237.59	61.26	64.10	-112.73	-2,928.26	-392.49	712.12	608.59	103.52	6.879		
8,900.00	6,962.67	9,379.55	7,238.17	63.34	65.97	-112.75	-2,928.00	-492.49	712.38	604.66	107.72	6.613		
9,000.00	6,962.92	9,479.55	7,238.75	65.49	67.93	-112.77	-2,927.74	-592.49	712.64	600.62	112.02	6.362		
9,100.00	6,963.17	9,579.55	7,239.33	67.70	69.99	-112.79	-2,927.48	-692.49	712.91	596.51	116.40	6.125		
9,200.00	6,963.42	9,679.55	7,239.91	69.97	72.11	-112.81	-2,927.22	-792.48	713.17	592.32	120.85	5.901		
9,300.00	6,963.68	9,779.55	7,240.50	72.28	74.31	-112.83	-2,926.96	-892.48	713.44	588.07	125.37	5.691		
9,400.00	6,963.93	9,879.55	7,241.08	74.64	76.56	-112.85	-2,926.70	-992.48	713.70	583.75	129.95	5.492		
9,500.00	6,964.18	9,979.55	7,241.66	77.04	78.85	-112.87	-2,926.44	-1,092.48	713.97	579.38	134.58	5.305		
9,600.00	6,964.43	10,079.55	7,242.24	79.48	81.20	-112.89	-2,926.17	-1,192.47	714.23	574.97	139.26	5.129		
9,700.00	6,964.68	10,179.55	7,242.82	81.94	83.58	-112.91	-2,925.91	-1,292.47	714.50	570.51	143.98	4.962		
9,800.00	6,964.94	10,279.55	7,243.40	84.43	86.00	-112.93	-2,925.65	-1,392.47	714.76	566.02	148.74	4.805		
9,900.00	6,965.19	10,379.54	7,243.98	86.95	88.44	-112.95	-2,925.39	-1,492.47	715.02	561.49	153.54	4.657		
10,000.00	6,965.44	10,479.54	7,244.56	89.49	90.92	-112.97	-2,925.13	-1,592.46	715.29	556.92	158.37	4.517		
10,100.00	6,965.69	10,579.54	7,245.14	92.05	93.42	-112.99	-2,924.87	-1,692.46	715.55	552.33	163.22	4.384		
10,200.00	6,965.94	10,679.54	7,245.72	94.63	95.94	-113.01	-2,924.61	-1,792.46	715.82	547.72	168.10	4.258		
10,300.00	6,966.19	10,779.54	7,246.31	97.22	98.49	-113.03	-2,924.35	-1,892.45	716.09	543.08	173.01	4.139		
10,400.00	6,966.45	10,879.54	7,246.89	99.83	101.05	-113.05	-2,924.08	-1,992.45	716.35	538.41	177.94	4.026		
10,500.00	6,966.70	10,979.54	7,247.47	102.46	103.63	-113.07	-2,923.82	-2,092.45	716.62	533.73	182.88	3.918		
10,600.00	6,966.95	11,079.54	7,248.05	105.09	106.23	-113.09	-2,923.56	-2,192.45	716.88	529.03	187.85	3.816		
10,700.00	6,967.20	11,179.54	7,248.63	107.74	108.84	-113.11	-2,923.30	-2,292.44	717.15	524.32	192.83	3.719		
10,800.00	6,967.45	11,279.54	7,249.21	110.41	111.46	-113.13	-2,923.04	-2,392.44	717.41	519.59	197.82	3.627		
10,900.00	6,967.71	11,379.54	7,249.79	113.08	114.10	-113.15	-2,922.78	-2,492.44	717.68	514.84	202.83	3.538		
11,000.00	6,967.96	11,479.54	7,250.37	115.76	116.75	-113.16	-2,922.52	-2,592.44	717.94	510.09	207.86	3.454		
11,100.00	6,968.21	11,579.54	7,250.95	118.45	119.40	-113.18	-2,922.26	-2,692.43	718.21	505.32	212.89	3.374		
11,200.00	6,968.46	11,679.54	7,251.53	121.15	122.07	-113.20	-2,921.99	-2,792.43	718.48	500.54	217.94	3.297		
11,300.00	6,968.71	11,779.54	7,252.12	123.85	124.75	-113.22	-2,921.73	-2,892.43	718.74	495.75	223.00	3.223		
11,400.00	6,968.97	11,879.54	7,252.70	126.56	127.43	-113.24	-2,921.47	-2,992.42	719.01	490.95	228.06	3.153		
11,500.00	6,969.22	11,979.53	7,253.28	129.28	130.13	-113.26	-2,921.21	-3,092.42	719.27	486.14	233.13	3.085		
11,600.00	6,969.47	12,079.53	7,253.86	132.01	132.83	-113.28	-2,920.95	-3,192.42	719.54	481.32	238.22	3.021		
11,700.00	6,969.72	12,179.53	7,254.44	134.74	135.54	-113.30	-2,920.69	-3,292.42	719.81	476.50	243.31	2.958		
11,800.00	6,969.97	12,279.53	7,255.02	137.48	138.25	-113.32	-2,920.43	-3,392.41	720.07	471.67	248.40	2.899		
11,900.00	6,970.22	12,379.53	7,255.60	140.22	140.97	-113.34	-2,920.17	-3,492.41	720.34	466.84	253.50	2.842		
12,000.00	6,970.48	12,479.53	7,256.18	142.97	143.70	-113.36	-2,919.90	-3,592.41	720.61	461.99	258.61	2.786		
12,100.00	6,970.73	12,579.53	7,256.76	145.72	146.43	-113.38	-2,919.64	-3,692.41	720.87	457.15	263.73	2.733		
12,200.00	6,970.98	12,679.53	7,257.34	148.47	149.17	-113.40	-2,919.38	-3,792.40	721.14	452.29	268.85	2.682		
12,300.00	6,971.23	12,779.53	7,257.93	151.23	151.91	-113.42	-2,919.12	-3,892.40	721.41	447.44	273.97	2.633		
12,400.00	6,971.48	12,879.53	7,258.51	154.00	154.65	-113.44	-2,918.86	-3,992.40	721.67	442.58	279.10	2.586		
12,500.00	6,971.74	12,979.53	7,259.09	156.76	157.40	-113.46	-2,918.60	-4,092.40	721.94	437.71	284.23	2.540		
12,600.00	6,971.99	13,079.53	7,259.67	159.53	160.16	-113.47	-2,918.34	-4,192.39	722.21	432.84	289.37	2.496		
12,700.00	6,972.24	13,179.53	7,260.25	162.31	162.92	-113.49	-2,918.08	-4,292.39	722.48	427.97	294.51	2.453		
12,800.00	6,972.49	13,279.53	7,260.83	165.09	165.68	-113.51	-2,917.82	-4,392.39	722.74	423.09	299.65	2.412		
12,900.00	6,972.74	13,379.53	7,261.41	167.86	168.44	-113.53	-2,917.55	-4,492.38	723.01	418.22	304.79	2.372		
13,002.01	6,973.00	13,481.54	7,262.00	170.70	171.27	-113.55	-2,917.29	-4,594.39	723.28	413.24	310.05	2.333 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-180.00	-30.24	0.00	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	-180.00	-30.24	0.00	30.24	23.67	6.57	4.603		
200.00	200.00	200.00	200.00	3.34	3.34	-180.00	-30.24	0.00	30.24	23.56	6.67	4.531		
300.00	300.00	300.00	300.00	3.44	3.44	-180.00	-30.24	0.00	30.24	23.35	6.89	4.389 CC		
400.00	399.98	399.06	399.04	3.60	3.59	30.82	-31.77	0.76	30.28	23.08	7.20	4.207		
500.00	499.84	498.13	497.97	3.79	3.78	31.47	-36.37	3.06	30.42	22.83	7.59	4.006		
600.00	599.45	597.19	596.66	4.02	4.02	32.54	-44.02	6.87	30.66	22.59	8.07	3.798		
700.00	698.70	696.26	695.00	4.29	4.28	34.01	-54.72	12.21	31.01	22.39	8.63	3.595		
800.00	797.47	795.33	792.86	4.60	4.58	35.84	-68.46	19.07	31.49	22.25	9.24	3.409		
900.00	895.62	894.39	890.14	4.94	4.92	38.00	-85.22	27.42	32.12	22.22	9.90	3.244 ES		
1,000.00	993.06	993.46	986.71	5.31	5.28	40.43	-104.98	37.28	32.92	22.30	10.61	3.101		
1,100.00	1,089.64	1,092.53	1,082.46	5.72	5.69	43.09	-127.71	48.62	33.91	22.53	11.38	2.980		
1,200.00	1,185.27	1,191.60	1,177.28	6.17	6.12	45.90	-153.40	61.43	35.11	22.91	12.20	2.879		
1,300.00	1,279.82	1,290.68	1,271.05	6.65	6.59	48.80	-182.00	75.70	36.54	23.47	13.07	2.795		
1,400.00	1,373.17	1,389.76	1,363.66	7.17	7.10	51.73	-213.49	91.41	38.22	24.20	14.02	2.726		
1,479.95	1,446.87	1,468.97	1,436.80	7.61	7.54	54.06	-240.71	104.99	39.74	24.91	14.83	2.679		
1,500.00	1,465.24	1,488.84	1,455.01	7.72	7.65	54.56	-247.82	108.53	40.19	25.15	15.04	2.672		
1,600.00	1,556.88	1,587.86	1,544.92	8.31	8.23	54.76	-284.95	127.05	43.75	27.66	16.09	2.719		
1,700.00	1,648.52	1,687.46	1,634.29	8.92	8.85	52.64	-324.30	146.68	48.92	31.78	17.14	2.854		
1,800.00	1,740.15	1,787.31	1,723.82	9.54	9.50	50.84	-363.85	166.40	54.22	36.00	18.22	2.975		
1,900.00	1,831.79	1,887.16	1,813.35	10.17	10.16	49.36	-403.39	186.13	59.57	40.25	19.32	3.083		
2,000.00	1,923.43	1,987.00	1,902.89	10.81	10.83	48.12	-442.94	205.86	64.95	44.51	20.43	3.179		
2,100.00	2,015.06	2,086.85	1,992.42	11.46	11.52	47.07	-482.48	225.58	70.35	48.79	21.56	3.264		
2,200.00	2,106.70	2,186.70	2,081.96	12.11	12.21	46.18	-522.03	245.31	75.77	53.08	22.69	3.340		
2,300.00	2,198.34	2,286.54	2,171.49	12.78	12.91	45.40	-561.58	265.03	81.22	57.38	23.83	3.408		
2,400.00	2,289.98	2,386.39	2,261.02	13.44	13.62	44.72	-601.12	284.76	86.67	61.68	24.99	3.469		
2,500.00	2,381.61	2,486.23	2,350.56	14.11	14.33	44.12	-640.67	304.48	92.13	65.99	26.15	3.524		
2,600.00	2,473.25	2,586.08	2,440.09	14.79	15.04	43.59	-680.21	324.21	97.61	70.30	27.31	3.574		
2,700.00	2,564.89	2,685.93	2,529.62	15.47	15.76	43.11	-719.76	343.93	103.09	74.61	28.48	3.619		
2,800.00	2,656.52	2,785.77	2,619.16	16.15	16.49	42.69	-759.30	363.66	108.57	78.92	29.66	3.661		
2,900.00	2,748.16	2,885.62	2,708.69	16.83	17.21	42.30	-798.85	383.38	114.07	83.23	30.84	3.699		
3,000.00	2,839.80	2,985.47	2,798.23	17.52	17.94	41.95	-838.40	403.11	119.56	87.54	32.02	3.734		
3,100.00	2,931.43	3,085.31	2,887.76	18.20	18.67	41.63	-877.94	422.83	125.07	91.86	33.21	3.766		
3,200.00	3,023.07	3,185.16	2,977.29	18.89	19.41	41.34	-917.49	442.56	130.57	96.17	34.40	3.796		
3,300.00	3,114.71	3,285.00	3,066.83	19.58	20.14	41.07	-957.03	462.28	136.08	100.49	35.59	3.823		
3,400.00	3,206.35	3,384.85	3,156.36	20.27	20.88	40.82	-996.58	482.01	141.59	104.80	36.79	3.849		
3,500.00	3,297.98	3,484.70	3,245.90	20.97	21.61	40.59	-1,036.12	501.74	147.10	109.12	37.99	3.873		
3,600.00	3,389.62	3,584.54	3,335.43	21.66	22.35	40.38	-1,075.67	521.46	152.62	113.43	39.19	3.895		
3,700.00	3,481.26	3,684.39	3,424.96	22.36	23.09	40.18	-1,115.21	541.19	158.14	117.75	40.39	3.915		
3,800.00	3,572.89	3,784.23	3,514.50	23.05	23.83	39.99	-1,154.76	560.91	163.65	122.06	41.59	3.935		
3,900.00	3,664.53	3,884.08	3,604.03	23.75	24.58	39.82	-1,194.31	580.64	169.18	126.38	42.80	3.953		
4,000.00	3,756.17	3,983.93	3,693.57	24.45	25.32	39.66	-1,233.85	600.36	174.70	130.69	44.00	3.970		
4,100.00	3,847.80	4,083.77	3,783.10	25.14	26.06	39.51	-1,273.40	620.09	180.22	135.01	45.21	3.986		
4,200.00	3,939.44	4,183.62	3,872.63	25.84	26.81	39.36	-1,312.94	639.81	185.75	139.32	46.42	4.001		
4,300.00	4,031.08	4,283.47	3,962.17	26.54	27.55	39.23	-1,352.49	659.54	191.27	143.64	47.63	4.016		
4,400.00	4,122.72	4,383.31	4,051.70	27.24	28.30	39.10	-1,392.03	679.26	196.80	147.95	48.84	4.029		
4,500.00	4,214.35	4,483.16	4,141.24	27.94	29.05	38.98	-1,431.58	698.99	202.33	152.27	50.06	4.042		
4,600.00	4,305.99	4,583.00	4,230.77	28.64	29.79	38.87	-1,471.12	718.71	207.85	156.58	51.27	4.054		
4,700.00	4,397.63	4,682.85	4,320.30	29.35	30.54	38.76	-1,510.67	738.44	213.38	160.90	52.48	4.066		
4,800.00	4,489.26	4,782.70	4,409.84	30.05	31.29	38.66	-1,550.22	758.16	218.91	165.21	53.70	4.077		
4,900.00	4,580.90	4,882.54	4,499.37	30.75	32.04	38.56	-1,589.76	777.89	224.44	169.53	54.92	4.087		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,672.54	4,982.39	4,588.91	31.45	32.79	38.47	-1,629.31	797.62	229.98	173.84	56.13	4.097		
5,100.00	4,764.17	5,082.24	4,678.44	32.16	33.53	38.38	-1,668.85	817.34	235.51	178.16	57.35	4.106		
5,200.00	4,855.81	5,182.08	4,767.97	32.86	34.28	38.30	-1,708.40	837.07	241.04	182.47	58.57	4.115		
5,300.00	4,947.45	5,281.93	4,857.51	33.56	35.03	38.21	-1,747.94	856.79	246.57	186.78	59.79	4.124		
5,400.00	5,039.08	5,381.77	4,947.04	34.27	35.78	38.14	-1,787.49	876.52	252.11	191.10	61.01	4.132		
5,500.00	5,130.72	5,481.62	5,036.58	34.97	36.54	38.06	-1,827.04	896.24	257.64	195.41	62.23	4.140		
5,600.00	5,222.36	5,581.47	5,126.11	35.68	37.29	37.99	-1,866.58	915.97	263.17	199.73	63.45	4.148		
5,700.00	5,314.00	5,681.31	5,215.64	36.38	38.04	37.93	-1,906.13	935.69	268.71	204.04	64.67	4.155		
5,800.00	5,405.63	5,781.16	5,305.18	37.08	38.79	37.86	-1,945.67	955.42	274.24	208.35	65.89	4.162		
5,900.00	5,497.27	5,881.01	5,394.71	37.79	39.54	37.80	-1,985.22	975.14	279.78	212.67	67.11	4.169		
6,000.00	5,588.91	5,980.85	5,484.25	38.50	40.29	37.74	-2,024.76	994.87	285.31	216.98	68.33	4.175		
6,100.00	5,680.54	6,080.70	5,573.78	39.20	41.04	37.68	-2,064.31	1,014.59	290.85	221.29	69.56	4.182		
6,200.00	5,772.18	6,180.54	5,663.31	39.91	41.80	37.63	-2,103.85	1,034.32	296.39	225.61	70.78	4.188		
6,300.00	5,863.82	6,280.39	5,752.85	40.61	42.55	37.57	-2,143.40	1,054.04	301.92	229.92	72.00	4.193		
6,400.00	5,955.45	6,380.24	5,842.38	41.32	43.30	37.52	-2,182.95	1,073.77	307.46	234.23	73.23	4.199		
6,500.00	6,047.09	6,480.08	5,931.91	42.02	44.05	37.47	-2,222.49	1,093.50	313.00	238.55	74.45	4.204		
6,600.00	6,138.73	6,579.93	6,021.45	42.73	44.81	37.42	-2,262.04	1,113.22	318.53	242.86	75.67	4.209		
6,700.00	6,230.37	6,679.78	6,110.98	43.44	45.56	37.38	-2,301.58	1,132.95	324.07	247.17	76.90	4.214		
6,712.03	6,241.39	6,708.21	6,121.75	43.52	45.77	37.37	-2,306.34	1,135.32	324.74	247.59	77.15	4.209		
6,750.00	6,276.38	6,729.68	6,155.74	43.78	45.93	29.99	-2,321.35	1,142.81	326.67	249.23	77.44	4.218		
6,800.00	6,322.91	6,779.38	6,200.30	44.09	46.31	18.31	-2,341.03	1,152.62	328.74	250.98	77.77	4.227		
6,850.00	6,369.70	6,828.56	6,244.40	44.36	46.68	5.07	-2,360.51	1,162.34	330.43	252.56	77.87	4.243		
6,900.00	6,416.45	6,876.91	6,287.76	44.59	47.04	-8.63	-2,379.66	1,171.89	332.02	254.25	77.77	4.269		
6,950.00	6,462.87	6,924.15	6,330.12	44.79	47.40	-21.76	-2,398.37	1,181.22	333.94	256.42	77.52	4.308		
7,000.00	6,508.69	6,969.98	6,371.21	44.95	47.75	-33.66	-2,416.52	1,190.28	336.68	259.53	77.15	4.364		
7,050.00	6,553.61	7,016.47	6,413.17	45.09	48.08	-44.09	-2,435.05	1,197.78	340.70	263.85	76.85	4.434		
7,100.00	6,597.37	7,064.56	6,457.00	45.20	48.39	-53.01	-2,454.37	1,202.00	346.01	269.30	76.72	4.510		
7,150.00	6,639.68	7,114.46	6,502.65	45.30	48.68	-60.67	-2,474.49	1,202.55	352.56	275.82	76.74	4.594		
7,200.00	6,680.29	7,166.39	6,550.05	45.39	48.94	-67.31	-2,495.35	1,198.97	360.23	283.37	76.86	4.687		
7,250.00	6,718.96	7,220.60	6,599.08	45.48	49.16	-73.11	-2,516.91	1,190.74	368.88	291.90	76.98	4.792		
7,300.00	6,755.43	7,277.34	6,649.54	45.57	49.35	-78.22	-2,539.07	1,177.28	378.33	301.33	77.01	4.913		
7,350.00	6,789.49	7,336.91	6,701.11	45.67	49.51	-82.75	-2,561.68	1,157.93	388.36	311.53	76.83	5.055		
7,400.00	6,820.93	7,399.57	6,753.34	45.77	49.65	-86.78	-2,584.56	1,132.00	398.73	322.34	76.39	5.220		
7,450.00	6,849.55	7,465.60	6,805.58	45.89	49.76	-90.36	-2,607.39	1,098.75	409.16	333.52	75.64	5.410		
7,500.00	6,875.17	7,535.22	6,856.94	46.02	49.86	-93.52	-2,629.81	1,057.50	419.36	344.74	74.62	5.620		
7,550.00	6,897.64	7,608.58	6,906.28	46.17	49.97	-96.27	-2,651.28	1,007.69	429.02	355.55	73.47	5.840		
7,600.00	6,916.82	7,685.71	6,952.15	46.35	50.08	-98.62	-2,671.18	949.03	437.81	365.42	72.40	6.047		
7,650.00	6,932.60	7,766.47	6,992.86	46.55	50.23	-100.56	-2,688.76	881.60	445.44	373.70	71.74	6.209		
7,700.00	6,944.86	7,850.48	7,026.59	46.78	50.43	-102.07	-2,703.22	806.10	451.59	379.74	71.86	6.285		
7,750.00	6,953.55	7,937.15	7,051.55	47.04	50.69	-103.13	-2,713.79	723.85	456.02	382.94	73.08	6.240		
7,800.00	6,958.59	8,025.63	7,066.27	47.33	51.02	-103.73	-2,719.82	636.88	458.53	383.00	75.53	6.071		
7,842.10	6,960.00	8,102.13	7,070.02	47.60	51.38	-103.87	-2,721.09	564.79	459.08	380.76	78.33	5.861		
7,900.00	6,960.15	8,155.77	7,070.32	48.01	51.68	-103.88	-2,720.92	506.88	459.19	379.49	79.70	5.761		
8,000.00	6,960.40	8,255.77	7,070.84	48.86	52.32	-103.91	-2,720.63	406.89	459.37	377.00	82.37	5.577		
8,100.00	6,960.65	8,355.77	7,071.37	49.87	53.10	-103.94	-2,720.34	306.89	459.55	374.23	85.31	5.387		
8,200.00	6,960.91	8,455.77	7,071.89	51.06	54.04	-103.97	-2,720.05	206.89	459.72	371.21	88.51	5.194		
8,300.00	6,961.16	8,555.77	7,072.41	52.41	55.15	-104.00	-2,719.75	106.89	459.90	367.97	91.94	5.002		
8,400.00	6,961.41	8,655.77	7,072.93	53.93	56.43	-104.03	-2,719.46	6.89	460.08	364.52	95.56	4.815		
8,500.00	6,961.66	8,755.77	7,073.46	55.59	57.87	-104.06	-2,719.17	-93.10	460.26	360.90	99.36	4.632		
8,600.00	6,961.91	8,855.77	7,073.98	57.37	59.46	-104.09	-2,718.87	-193.10	460.44	357.12	103.32	4.456		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 31N-14B-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,955.77	7,074.50	59.27	61.19	-104.12	-2,718.58	-293.10	460.62	353.19	107.43	4.288		
8,800.00	6,962.42	9,055.77	7,075.03	61.26	63.04	-104.15	-2,718.29	-393.10	460.80	349.14	111.65	4.127		
8,900.00	6,962.67	9,155.77	7,075.55	63.34	64.99	-104.17	-2,718.00	-493.09	460.98	344.99	115.99	3.974		
9,000.00	6,962.92	9,255.77	7,076.07	65.49	67.02	-104.20	-2,717.70	-593.09	461.16	340.73	120.43	3.829		
9,100.00	6,963.17	9,355.77	7,076.60	67.70	69.14	-104.23	-2,717.41	-693.09	461.34	336.38	124.96	3.692		
9,200.00	6,963.42	9,455.77	7,077.12	69.97	71.32	-104.26	-2,717.12	-793.09	461.52	331.96	129.56	3.562		
9,300.00	6,963.68	9,555.77	7,077.64	72.28	73.56	-104.29	-2,716.83	-893.09	461.70	327.46	134.24	3.439		
9,400.00	6,963.93	9,655.77	7,078.17	74.64	75.86	-104.32	-2,716.53	-993.08	461.88	322.90	138.98	3.323		
9,500.00	6,964.18	9,755.77	7,078.69	77.04	78.19	-104.35	-2,716.24	-1,093.08	462.06	318.28	143.77	3.214		
9,600.00	6,964.43	9,855.77	7,079.21	79.48	80.57	-104.38	-2,715.95	-1,193.08	462.24	313.62	148.62	3.110		
9,700.00	6,964.68	9,955.77	7,079.73	81.94	82.99	-104.41	-2,715.65	-1,293.08	462.42	308.90	153.52	3.012		
9,800.00	6,964.94	10,055.77	7,080.26	84.43	85.43	-104.44	-2,715.36	-1,393.07	462.60	304.15	158.45	2.919		
9,900.00	6,965.19	10,155.77	7,080.78	86.95	87.91	-104.46	-2,715.07	-1,493.07	462.78	299.36	163.43	2.832		
10,000.00	6,965.44	10,255.77	7,081.30	89.49	90.41	-104.49	-2,714.78	-1,593.07	462.96	294.53	168.43	2.749		
10,100.00	6,965.69	10,355.76	7,081.83	92.05	92.93	-104.52	-2,714.48	-1,693.07	463.14	289.67	173.47	2.670		
10,200.00	6,965.94	10,455.76	7,082.35	94.63	95.48	-104.55	-2,714.19	-1,793.07	463.32	284.78	178.54	2.595		
10,300.00	6,966.19	10,555.76	7,082.87	97.22	98.04	-104.58	-2,713.90	-1,893.06	463.51	279.87	183.64	2.524		
10,400.00	6,966.45	10,655.76	7,083.40	99.83	100.63	-104.61	-2,713.61	-1,993.06	463.69	274.93	188.75	2.457		
10,500.00	6,966.70	10,755.76	7,083.92	102.46	103.22	-104.64	-2,713.31	-2,093.06	463.87	269.97	193.89	2.392		
10,600.00	6,966.95	10,855.76	7,084.44	105.09	105.84	-104.67	-2,713.02	-2,193.06	464.05	265.00	199.05	2.331		
10,700.00	6,967.20	10,955.76	7,084.97	107.74	108.46	-104.70	-2,712.73	-2,293.05	464.23	260.00	204.23	2.273		
10,800.00	6,967.45	11,055.76	7,085.49	110.41	111.10	-104.72	-2,712.43	-2,393.05	464.41	254.99	209.43	2.218		
10,900.00	6,967.71	11,155.76	7,086.01	113.08	113.75	-104.75	-2,712.14	-2,493.05	464.60	249.96	214.64	2.165		
11,000.00	6,967.96	11,255.76	7,086.53	115.76	116.41	-104.78	-2,711.85	-2,593.05	464.78	244.91	219.86	2.114		
11,100.00	6,968.21	11,355.76	7,087.06	118.45	119.08	-104.81	-2,711.56	-2,693.05	464.96	239.86	225.10	2.066		
11,200.00	6,968.46	11,455.76	7,087.58	121.15	121.76	-104.84	-2,711.26	-2,793.04	465.14	234.79	230.35	2.019		
11,300.00	6,968.71	11,555.76	7,088.10	123.85	124.45	-104.87	-2,710.97	-2,893.04	465.32	229.71	235.62	1.975		
11,400.00	6,968.97	11,655.76	7,088.63	126.56	127.15	-104.90	-2,710.68	-2,993.04	465.51	224.62	240.89	1.932		
11,500.00	6,969.22	11,755.76	7,089.15	129.28	129.85	-104.92	-2,710.39	-3,093.04	465.69	219.52	246.17	1.892		
11,600.00	6,969.47	11,855.76	7,089.67	132.01	132.56	-104.95	-2,710.09	-3,193.03	465.87	214.41	251.46	1.853		
11,700.00	6,969.72	11,955.76	7,090.20	134.74	135.28	-104.98	-2,709.80	-3,293.03	466.06	209.29	256.76	1.815		
11,800.00	6,969.97	12,055.76	7,090.72	137.48	138.00	-105.01	-2,709.51	-3,393.03	466.24	204.17	262.07	1.779		
11,900.00	6,970.22	12,155.76	7,091.24	140.22	140.73	-105.04	-2,709.21	-3,493.03	466.42	199.03	267.39	1.744		
12,000.00	6,970.48	12,255.76	7,091.76	142.97	143.47	-105.07	-2,708.92	-3,593.03	466.61	193.89	272.71	1.711		
12,100.00	6,970.73	12,355.76	7,092.29	145.72	146.21	-105.10	-2,708.63	-3,693.02	466.79	188.75	278.04	1.679		
12,200.00	6,970.98	12,455.76	7,092.81	148.47	148.95	-105.12	-2,708.34	-3,793.02	466.97	183.60	283.37	1.648		
12,300.00	6,971.23	12,555.76	7,093.33	151.23	151.70	-105.15	-2,708.04	-3,893.02	467.16	178.44	288.71	1.618		
12,400.00	6,971.48	12,655.75	7,093.86	154.00	154.45	-105.18	-2,707.75	-3,993.02	467.34	173.28	294.06	1.589		
12,500.00	6,971.74	12,755.75	7,094.38	156.76	157.21	-105.21	-2,707.46	-4,093.01	467.52	168.11	299.41	1.561		
12,600.00	6,971.99	12,855.75	7,094.90	159.53	159.97	-105.24	-2,707.17	-4,193.01	467.71	162.94	304.76	1.535		
12,700.00	6,972.24	12,955.75	7,095.43	162.31	162.74	-105.27	-2,706.87	-4,293.01	467.89	157.77	310.12	1.509		
12,800.00	6,972.49	13,055.75	7,095.95	165.09	165.50	-105.29	-2,706.58	-4,393.01	468.08	152.59	315.48	1.484 Level 3		
12,900.00	6,972.74	13,155.75	7,096.47	167.86	168.28	-105.32	-2,706.29	-4,493.01	468.26	147.41	320.85	1.459 Level 3		
13,002.01	6,973.00	13,257.76	7,097.01	170.70	171.10	-105.35	-2,705.99	-4,595.01	468.45	142.12	326.33	1.436 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	209.84	1.95	209.85					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	209.84	1.95	209.85	203.28	6.57	31.943		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	209.84	1.95	209.85	203.17	6.67	31.442 CC, ES		
300.00	300.00	296.96	296.94	3.44	3.44	0.94	210.52	3.44	210.57	203.68	6.89	30.577		
400.00	399.98	393.70	393.55	3.60	3.59	-147.47	212.54	7.91	214.26	207.06	7.19	29.784		
500.00	499.84	489.92	489.43	3.79	3.79	-146.20	215.90	15.29	222.46	214.87	7.59	29.313		
600.00	599.45	585.35	584.19	4.02	4.02	-144.75	220.54	25.51	235.20	227.14	8.07	29.160		
700.00	698.70	679.70	677.46	4.29	4.28	-143.20	226.41	38.42	252.48	243.87	8.61	29.322		
800.00	797.47	772.71	768.90	4.60	4.57	-141.64	233.44	53.89	274.25	265.04	9.21	29.772		
900.00	895.62	866.42	860.49	4.94	4.90	-140.15	241.64	71.92	300.28	290.43	9.86	30.463		
1,000.00	993.06	962.07	953.88	5.31	5.25	-139.11	250.19	90.73	329.23	318.68	10.55	31.196		
1,100.00	1,089.64	1,056.97	1,046.55	5.72	5.62	-138.50	258.67	109.41	360.71	349.42	11.29	31.963		
1,200.00	1,185.27	1,151.02	1,138.37	6.17	6.01	-138.24	267.08	127.91	394.66	382.61	12.05	32.751		
1,300.00	1,279.82	1,244.09	1,229.24	6.65	6.40	-138.23	275.40	146.22	431.07	418.23	12.85	33.559		
1,400.00	1,373.17	1,336.06	1,319.04	7.17	6.80	-138.40	283.63	164.31	469.94	456.27	13.67	34.389		
1,479.95	1,446.87	1,408.74	1,390.00	7.61	7.12	-138.63	290.12	178.61	502.79	488.45	14.34	35.068		
1,500.00	1,465.24	1,426.87	1,407.70	7.72	7.20	-138.82	291.74	182.18	511.23	496.72	14.51	35.233		
1,600.00	1,556.88	1,517.27	1,495.96	8.31	7.61	-139.66	299.83	199.96	553.39	538.03	15.36	36.024		
1,700.00	1,648.52	1,607.67	1,584.23	8.92	8.03	-140.39	307.91	217.75	595.63	579.40	16.23	36.696		
1,800.00	1,740.15	1,701.93	1,672.49	9.54	8.46	-141.02	315.99	235.53	637.94	620.81	17.13	37.232		
1,900.00	1,831.79	1,788.47	1,760.76	10.17	8.87	-141.57	324.07	253.32	680.30	662.29	18.01	37.766		
2,000.00	1,923.43	1,878.87	1,849.02	10.81	9.29	-142.05	332.16	271.10	722.71	703.79	18.92	38.195		
2,100.00	2,015.06	1,969.27	1,937.28	11.46	9.72	-142.49	340.24	288.89	765.16	745.32	19.84	38.568		
2,200.00	2,106.70	2,059.67	2,025.55	12.11	10.15	-142.87	348.32	306.67	807.64	786.88	20.76	38.895		
2,300.00	2,198.34	2,150.07	2,113.81	12.78	10.59	-143.22	356.40	324.46	850.15	828.46	21.70	39.182		
2,400.00	2,289.98	2,240.47	2,202.08	13.44	11.03	-143.54	364.49	342.24	892.68	870.05	22.64	39.437		
2,500.00	2,381.61	2,330.87	2,290.34	14.11	11.47	-143.82	372.57	360.03	935.24	911.66	23.58	39.663		
2,600.00	2,473.25	2,421.27	2,378.60	14.79	11.91	-144.09	380.65	377.81	977.81	953.28	24.53	39.865		
2,700.00	2,564.89	2,511.67	2,466.87	15.47	12.35	-144.33	388.73	395.60	1,020.39	994.91	25.48	40.047		
2,800.00	2,656.52	2,602.07	2,555.13	16.15	12.79	-144.55	396.82	413.38	1,062.99	1,036.55	26.44	40.210		
2,900.00	2,748.16	2,692.47	2,643.40	16.83	13.24	-144.75	404.90	431.17	1,105.60	1,078.20	27.40	40.357		
3,000.00	2,839.80	2,782.87	2,731.66	17.52	13.68	-144.94	412.98	448.95	1,148.22	1,119.86	28.36	40.490		
3,100.00	2,931.43	2,873.27	2,819.92	18.20	14.13	-145.12	421.07	466.74	1,190.85	1,161.53	29.32	40.612		
3,200.00	3,023.07	2,963.67	2,908.19	18.89	14.58	-145.28	429.15	484.52	1,233.49	1,203.20	30.29	40.723		
3,300.00	3,114.71	3,054.07	2,996.45	19.58	15.02	-145.43	437.23	502.30	1,276.13	1,244.88	31.26	40.824		
3,400.00	3,206.35	3,144.47	3,084.72	20.27	15.47	-145.57	445.31	520.09	1,318.79	1,286.56	32.23	40.917		
3,500.00	3,297.98	3,234.87	3,172.98	20.97	15.92	-145.71	453.40	537.87	1,361.45	1,328.24	33.20	41.002		
3,600.00	3,389.62	3,325.27	3,261.24	21.66	16.37	-145.83	461.48	555.66	1,404.11	1,369.93	34.18	41.081		
3,700.00	3,481.26	3,415.67	3,349.51	22.36	16.82	-145.95	469.56	573.44	1,446.78	1,411.63	35.16	41.154		
3,800.00	3,572.89	3,506.07	3,437.77	23.05	17.28	-146.06	477.64	591.23	1,489.46	1,453.33	36.13	41.222		
3,900.00	3,664.53	3,596.47	3,526.04	23.75	17.73	-146.17	485.73	609.01	1,532.14	1,495.03	37.11	41.284		
4,000.00	3,756.17	3,686.87	3,614.30	24.45	18.18	-146.27	493.81	626.80	1,574.82	1,536.73	38.09	41.342		
4,100.00	3,847.80	3,777.27	3,702.56	25.14	18.63	-146.36	501.89	644.58	1,617.51	1,578.44	39.07	41.397		
4,200.00	3,939.44	3,867.67	3,790.83	25.84	19.09	-146.45	509.97	662.37	1,660.20	1,620.14	40.06	41.447		
4,300.00	4,031.08	3,958.07	3,879.09	26.54	19.54	-146.53	518.06	680.15	1,702.89	1,661.85	41.04	41.494		
4,400.00	4,122.72	4,048.47	3,967.36	27.24	19.99	-146.62	526.14	697.94	1,745.59	1,703.57	42.02	41.539		
4,500.00	4,214.35	4,138.87	4,055.62	27.94	20.45	-146.69	534.22	715.72	1,788.29	1,745.28	43.01	41.580		
4,600.00	4,305.99	4,229.27	4,143.88	28.64	20.90	-146.77	542.30	733.51	1,830.99	1,787.00	43.99	41.619		
4,700.00	4,397.63	4,319.67	4,232.15	29.35	21.36	-146.84	550.39	751.29	1,873.70	1,828.72	44.98	41.656		
4,800.00	4,489.26	4,410.07	4,320.41	30.05	21.81	-146.90	558.47	769.08	1,916.40	1,870.43	45.97	41.690		
4,900.00	4,580.90	4,500.47	4,408.68	30.75	22.27	-146.97	566.55	786.86	1,959.11	1,912.16	46.96	41.723		

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

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Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
5,000.00	4,672.54	4,609.13	4,496.94	31.45	22.82	-147.03	574.63	804.65	2,001.82	1,953.79	48.04	41.673		
5,100.00	4,764.17	4,681.27	4,585.20	32.16	23.18	-147.09	582.72	822.43	2,044.53	1,995.60	48.93	41.782		
5,200.00	4,855.81	4,771.67	4,673.47	32.86	23.64	-147.14	590.80	840.22	2,087.25	2,037.32	49.92	41.809		
5,300.00	4,947.45	4,862.07	4,761.73	33.56	24.09	-147.20	598.88	858.00	2,129.96	2,079.05	50.91	41.835		
5,400.00	5,039.08	4,952.47	4,850.00	34.27	24.55	-147.25	606.96	875.79	2,172.68	2,120.78	51.90	41.860		
5,500.00	5,130.72	5,042.87	4,938.26	34.97	25.01	-147.30	615.05	893.57	2,215.40	2,162.50	52.89	41.883		
5,600.00	5,222.36	5,133.27	5,026.52	35.68	25.46	-147.35	623.13	911.36	2,258.12	2,204.23	53.89	41.905		
5,700.00	5,314.00	5,223.67	5,114.79	36.38	25.92	-147.39	631.21	929.14	2,300.84	2,245.96	54.88	41.926		
5,800.00	5,405.63	5,314.07	5,203.05	37.08	26.38	-147.44	639.29	946.93	2,343.56	2,287.69	55.87	41.946		
5,900.00	5,497.27	5,404.47	5,291.32	37.79	26.83	-147.48	647.38	964.71	2,386.28	2,329.42	56.86	41.965		
6,000.00	5,588.91	5,505.13	5,379.58	38.50	27.34	-147.52	655.46	982.50	2,429.01	2,371.10	57.91	41.945		
6,100.00	5,680.54	5,585.27	5,467.84	39.20	27.75	-147.56	663.54	1,000.28	2,471.73	2,412.88	58.85	42.000		
6,200.00	5,772.18	5,675.67	5,556.11	39.91	28.21	-147.60	671.62	1,018.07	2,514.46	2,454.61	59.85	42.016		
6,300.00	5,863.82	5,766.07	5,644.37	40.61	28.66	-147.64	679.71	1,035.85	2,557.19	2,496.35	60.84	42.031		
6,400.00	5,955.45	5,856.47	5,732.64	41.32	29.12	-147.67	687.79	1,053.64	2,599.91	2,538.08	61.83	42.046		
6,500.00	6,047.09	5,946.87	5,820.90	42.02	29.58	-147.71	695.87	1,071.42	2,642.64	2,579.81	62.83	42.060		
6,600.00	6,138.73	6,037.27	5,909.17	42.73	30.04	-147.74	703.95	1,089.21	2,685.37	2,621.55	63.83	42.074		
6,700.00	6,230.37	6,127.67	5,997.43	43.44	30.50	-147.77	712.04	1,106.99	2,728.10	2,663.28	64.82	42.087		
6,712.03	6,241.39	6,138.55	6,008.05	43.52	30.55	-147.78	713.01	1,109.13	2,733.24	2,668.30	64.94	42.088		
6,750.00	6,276.38	6,172.84	6,041.53	43.78	30.73	-156.73	716.08	1,115.88	2,749.52	2,684.21	65.31	42.097		
6,800.00	6,322.91	6,217.75	6,085.38	44.09	30.95	-169.77	720.09	1,124.71	2,771.05	2,705.26	65.79	42.119		
6,850.00	6,369.70	6,262.14	6,128.72	44.36	31.18	176.38	724.06	1,133.45	2,792.59	2,726.34	66.25	42.152		
6,900.00	6,416.45	6,305.72	6,171.27	44.59	31.40	162.76	727.96	1,142.02	2,814.03	2,747.34	66.69	42.193		
6,950.00	6,462.87	6,348.22	6,212.77	44.79	31.61	150.33	731.76	1,150.38	2,835.29	2,768.17	67.12	42.239		
7,000.00	6,508.69	6,389.40	6,252.97	44.95	31.82	139.59	735.44	1,158.48	2,856.30	2,788.75	67.55	42.287		
7,050.00	6,553.61	6,428.98	6,291.62	45.09	32.02	130.60	738.98	1,166.27	2,876.99	2,809.03	67.96	42.333		
7,100.00	6,597.37	6,466.73	6,328.48	45.20	32.22	123.17	742.35	1,173.70	2,897.33	2,828.95	68.38	42.374		
7,150.00	6,639.68	6,502.42	6,363.32	45.30	32.40	117.00	745.54	1,180.72	2,917.26	2,848.47	68.79	42.408		
7,200.00	6,680.29	6,535.82	6,395.93	45.39	32.57	111.85	748.53	1,187.29	2,936.75	2,867.54	69.21	42.433		
7,250.00	6,718.96	6,566.73	6,426.11	45.48	32.72	107.48	751.29	1,193.37	2,955.78	2,886.14	69.64	42.447		
7,300.00	6,755.43	6,594.95	6,453.67	45.57	32.87	103.75	753.82	1,198.92	2,974.31	2,904.24	70.07	42.446		
7,350.00	6,789.49	6,620.32	6,478.44	45.67	32.99	100.51	756.08	1,203.91	2,992.32	2,921.80	70.52	42.430		
7,400.00	6,820.93	6,651.21	6,508.67	45.77	33.15	97.82	758.85	1,209.59	3,009.77	2,938.69	71.08	42.345		
7,450.00	6,849.55	6,688.43	6,545.41	45.89	33.32	95.61	762.22	1,214.52	3,026.54	2,954.81	71.73	42.193		
7,500.00	6,875.17	6,729.65	6,586.34	46.02	33.49	93.81	765.97	1,217.46	3,042.55	2,970.09	72.46	41.992		
7,550.00	6,897.64	6,776.95	6,633.43	46.17	33.68	92.40	770.29	1,217.55	3,057.72	2,984.46	73.26	41.736		
7,600.00	6,916.82	6,834.03	6,690.08	46.35	33.89	91.43	775.49	1,212.99	3,071.97	2,997.80	74.17	41.416		
7,650.00	6,932.60	6,908.07	6,762.53	46.55	34.15	90.97	782.14	1,199.51	3,085.18	3,009.96	75.22	41.016		
7,700.00	6,944.86	7,700.00	6,834.15	46.78	37.27	90.73	788.72	1,176.77	3,097.06	3,017.91	79.15	39.128		
7,750.00	6,953.55	7,189.21	7,011.10	47.04	35.37	92.52	805.01	1,075.20	3,107.20	3,029.15	78.06	39.807		
7,800.00	6,958.59	7,505.47	7,197.13	47.33	37.67	94.73	822.22	824.05	3,113.99	3,033.25	80.74	38.570		
7,842.10	6,960.00	7,767.40	7,245.02	47.60	40.62	95.25	826.77	568.42	3,115.22	3,031.45	83.77	37.187		
7,900.00	6,960.15	7,825.30	7,245.12	48.01	41.39	95.25	826.81	510.52	3,115.02	3,029.74	85.29	36.524		
8,000.00	6,960.40	7,925.30	7,245.30	48.86	42.82	95.25	826.89	410.52	3,114.69	3,026.57	88.12	35.346		
8,100.00	6,960.65	8,025.30	7,245.48	49.87	44.39	95.25	826.97	310.52	3,114.35	3,023.13	91.22	34.141		
8,200.00	6,960.91	8,125.30	7,245.66	51.06	46.09	95.25	827.04	210.52	3,114.01	3,019.45	94.57	32.930		
8,300.00	6,961.16	8,225.30	7,245.83	52.41	47.90	95.25	827.12	110.52	3,113.67	3,015.55	98.13	31.731		
8,400.00	6,961.41	8,325.30	7,246.01	53.93	49.80	95.24	827.20	10.52	3,113.34	3,011.45	101.88	30.558		
8,500.00	6,961.66	8,425.30	7,246.19	55.59	51.80	95.24	827.28	-89.48	3,113.00	3,007.19	105.81	29.420		
8,600.00	6,961.91	8,525.30	7,246.36	57.37	53.87	95.24	827.35	-189.47	3,112.66	3,002.76	109.90	28.323		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,625.29	7,246.54	59.27	56.02	95.24	827.43	-289.47	3,112.32	2,998.20	114.12	27.272		
8,800.00	6,962.42	8,725.29	7,246.72	61.26	58.22	95.24	827.51	-389.47	3,111.99	2,993.52	118.47	26.269		
8,900.00	6,962.67	8,825.29	7,246.90	63.34	60.49	95.24	827.59	-489.47	3,111.65	2,988.72	122.93	25.313		
9,000.00	6,962.92	8,925.29	7,247.07	65.49	62.80	95.24	827.66	-589.47	3,111.31	2,983.83	127.48	24.406		
9,100.00	6,963.17	9,025.29	7,247.25	67.70	65.15	95.24	827.74	-689.47	3,110.97	2,978.85	132.13	23.545		
9,200.00	6,963.42	9,125.29	7,247.43	69.97	67.54	95.24	827.82	-789.47	3,110.64	2,973.78	136.85	22.730		
9,300.00	6,963.68	9,225.29	7,247.60	72.28	69.97	95.24	827.90	-889.47	3,110.30	2,968.65	141.65	21.958		
9,400.00	6,963.93	9,325.29	7,247.78	74.64	72.43	95.24	827.97	-989.47	3,109.96	2,963.45	146.51	21.227		
9,500.00	6,964.18	9,425.29	7,247.96	77.04	74.92	95.24	828.05	-1,089.47	3,109.62	2,958.19	151.43	20.535		
9,600.00	6,964.43	9,525.29	7,248.14	79.48	77.43	95.23	828.13	-1,189.47	3,109.29	2,952.88	156.40	19.880		
9,700.00	6,964.68	9,625.29	7,248.31	81.94	79.97	95.23	828.21	-1,289.47	3,108.95	2,947.53	161.42	19.260		
9,800.00	6,964.94	9,725.29	7,248.49	84.43	82.53	95.23	828.28	-1,389.47	3,108.61	2,942.12	166.49	18.672		
9,900.00	6,965.19	9,825.29	7,248.67	86.95	85.11	95.23	828.36	-1,489.46	3,108.27	2,936.68	171.59	18.114		
10,000.00	6,965.44	9,925.29	7,248.84	89.49	87.70	95.23	828.44	-1,589.46	3,107.94	2,931.20	176.73	17.586		
10,100.00	6,965.69	10,025.29	7,249.02	92.05	90.32	95.23	828.52	-1,689.46	3,107.60	2,925.69	181.90	17.084		
10,200.00	6,965.94	10,125.29	7,249.20	94.63	92.94	95.23	828.59	-1,789.46	3,107.26	2,920.15	187.11	16.607		
10,300.00	6,966.19	10,225.29	7,249.38	97.22	95.58	95.23	828.67	-1,889.46	3,106.92	2,914.58	192.34	16.153		
10,400.00	6,966.45	10,325.28	7,249.55	99.83	98.23	95.23	828.75	-1,989.46	3,106.59	2,908.99	197.60	15.722		
10,500.00	6,966.70	10,425.28	7,249.73	102.46	100.90	95.23	828.82	-2,089.46	3,106.25	2,903.37	202.88	15.311		
10,600.00	6,966.95	10,525.28	7,249.91	105.09	103.57	95.23	828.90	-2,189.46	3,105.91	2,897.73	208.18	14.919		
10,700.00	6,967.20	10,625.28	7,250.08	107.74	106.25	95.23	828.98	-2,289.46	3,105.57	2,892.06	213.51	14.545		
10,800.00	6,967.45	10,725.28	7,250.26	110.41	108.95	95.22	829.06	-2,389.46	3,105.24	2,886.38	218.85	14.189		
10,900.00	6,967.71	10,825.28	7,250.44	113.08	111.65	95.22	829.13	-2,489.46	3,104.90	2,880.68	224.21	13.848		
11,000.00	6,967.96	10,925.28	7,250.62	115.76	114.36	95.22	829.21	-2,589.46	3,104.56	2,874.97	229.59	13.522		
11,100.00	6,968.21	11,025.28	7,250.79	118.45	117.07	95.22	829.29	-2,689.46	3,104.22	2,869.24	234.98	13.210		
11,200.00	6,968.46	11,125.28	7,250.97	121.15	119.80	95.22	829.37	-2,789.46	3,103.89	2,863.50	240.39	12.912		
11,300.00	6,968.71	11,225.28	7,251.15	123.85	122.53	95.22	829.44	-2,889.45	3,103.55	2,857.74	245.81	12.626		
11,400.00	6,968.97	11,325.28	7,251.32	126.56	125.26	95.22	829.52	-2,989.45	3,103.21	2,851.97	251.24	12.352		
11,500.00	6,969.22	11,425.28	7,251.50	129.28	128.00	95.22	829.60	-3,089.45	3,102.87	2,846.19	256.68	12.088		
11,600.00	6,969.47	11,525.28	7,251.68	132.01	130.75	95.22	829.68	-3,189.45	3,102.54	2,840.40	262.14	11.835		
11,700.00	6,969.72	11,625.28	7,251.86	134.74	133.50	95.22	829.75	-3,289.45	3,102.20	2,834.59	267.60	11.593		
11,800.00	6,969.97	11,725.28	7,252.03	137.48	136.25	95.22	829.83	-3,389.45	3,101.86	2,828.78	273.08	11.359		
11,900.00	6,970.22	11,825.28	7,252.21	140.22	139.01	95.22	829.91	-3,489.45	3,101.52	2,822.96	278.56	11.134		
12,000.00	6,970.48	11,925.28	7,252.39	142.97	141.77	95.22	829.99	-3,589.45	3,101.19	2,817.13	284.05	10.918		
12,100.00	6,970.73	12,025.28	7,252.57	145.72	144.54	95.21	830.06	-3,689.45	3,100.85	2,811.30	289.55	10.709		
12,200.00	6,970.98	12,125.27	7,252.74	148.47	147.31	95.21	830.14	-3,789.45	3,100.51	2,805.45	295.06	10.508		
12,300.00	6,971.23	12,225.27	7,252.92	151.23	150.09	95.21	830.22	-3,889.45	3,100.17	2,799.60	300.57	10.314		
12,400.00	6,971.48	12,325.27	7,253.10	154.00	152.86	95.21	830.30	-3,989.45	3,099.84	2,793.74	306.10	10.127		
12,500.00	6,971.74	12,425.27	7,253.27	156.76	155.64	95.21	830.37	-4,089.45	3,099.50	2,787.87	311.62	9.946		
12,600.00	6,971.99	12,525.27	7,253.45	159.53	158.43	95.21	830.45	-4,189.44	3,099.16	2,782.00	317.16	9.772		
12,700.00	6,972.24	12,625.27	7,253.63	162.31	161.21	95.21	830.53	-4,289.44	3,098.82	2,776.13	322.70	9.603		
12,800.00	6,972.49	12,725.27	7,253.81	165.09	164.00	95.21	830.61	-4,389.44	3,098.49	2,770.24	328.24	9.440		
12,900.00	6,972.74	12,825.27	7,253.98	167.86	166.79	95.21	830.68	-4,489.44	3,098.15	2,764.35	333.79	9.282		
13,002.01	6,973.00	12,927.28	7,254.16	170.70	169.64	95.21	830.76	-4,591.45	3,097.80	2,758.34	339.46	9.126 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.57	194.90	1.95	194.91					
100.00	100.00	100.00	100.00	3.28	3.28	0.57	194.90	1.95	194.91	188.34	6.57	29.670		
200.00	200.00	200.00	200.00	3.34	3.34	0.57	194.90	1.95	194.91	188.24	6.67	29.205		
300.00	300.00	300.00	300.00	3.44	3.44	0.57	194.90	1.95	194.91	188.02	6.89	28.290 CC, ES		
400.00	399.98	397.89	397.87	3.60	3.60	-148.60	195.41	3.54	196.94	189.74	7.19	27.373		
500.00	499.84	495.51	495.36	3.79	3.79	-147.95	196.91	8.31	203.02	195.44	7.58	26.771		
600.00	599.45	592.60	592.09	4.02	4.03	-146.94	199.39	16.19	213.19	205.13	8.05	26.473		
700.00	698.70	688.90	687.71	4.29	4.29	-145.67	202.83	27.08	227.46	218.87	8.59	26.475		
800.00	797.47	784.17	781.87	4.60	4.58	-144.24	207.18	40.87	245.85	236.66	9.19	26.757		
900.00	895.62	878.17	874.26	4.94	4.89	-142.73	212.39	57.40	268.35	258.51	9.84	27.284		
1,000.00	993.06	972.70	966.63	5.31	5.24	-141.27	218.42	76.54	294.74	284.22	10.53	27.998		
1,100.00	1,089.64	1,068.28	1,059.94	5.72	5.61	-140.27	224.63	96.24	323.98	312.71	11.27	28.758		
1,200.00	1,185.27	1,163.07	1,152.50	6.17	5.99	-139.71	230.79	115.78	355.79	343.75	12.04	29.554		
1,300.00	1,279.82	1,256.98	1,244.19	6.65	6.39	-139.48	236.90	135.13	390.11	377.27	12.84	30.379		
1,400.00	1,373.17	1,349.88	1,334.90	7.17	6.79	-139.49	242.93	154.28	426.93	413.26	13.67	31.228		
1,479.95	1,446.87	1,423.36	1,406.64	7.61	7.11	-139.63	247.71	169.42	458.17	443.82	14.35	31.922		
1,500.00	1,465.24	1,441.69	1,424.54	7.72	7.19	-139.78	248.90	173.20	466.21	451.68	14.53	32.092		
1,600.00	1,556.88	1,533.13	1,513.81	8.31	7.61	-140.49	254.84	192.04	506.33	490.94	15.39	32.897		
1,700.00	1,648.52	1,624.56	1,603.08	8.92	8.02	-141.09	260.78	210.89	546.51	530.23	16.27	33.582		
1,800.00	1,740.15	1,715.99	1,692.36	9.54	8.45	-141.62	266.72	229.73	586.73	569.56	17.17	34.168		
1,900.00	1,831.79	1,807.42	1,781.63	10.17	8.88	-142.07	272.67	248.58	626.98	608.90	18.08	34.672		
2,000.00	1,923.43	1,901.14	1,870.90	10.81	9.32	-142.47	278.61	267.42	667.27	648.25	19.02	35.089		
2,100.00	2,015.06	2,009.71	1,960.17	11.46	9.84	-142.83	284.55	286.26	707.58	687.55	20.03	35.326		
2,200.00	2,106.70	2,081.72	2,049.44	12.11	10.18	-143.14	290.49	305.11	747.91	727.03	20.88	35.823		
2,300.00	2,198.34	2,173.15	2,138.72	12.78	10.62	-143.43	296.43	323.95	788.26	766.43	21.83	36.116		
2,400.00	2,289.98	2,264.59	2,227.99	13.44	11.07	-143.68	302.37	342.80	828.62	805.84	22.78	36.376		
2,500.00	2,381.61	2,356.02	2,317.26	14.11	11.51	-143.92	308.31	361.64	869.00	845.26	23.74	36.607		
2,600.00	2,473.25	2,447.45	2,406.53	14.79	11.96	-144.13	314.26	380.48	909.38	884.68	24.70	36.814		
2,700.00	2,564.89	2,538.88	2,495.80	15.47	12.41	-144.32	320.20	399.33	949.78	924.11	25.67	36.999		
2,800.00	2,656.52	2,630.32	2,585.08	16.15	12.86	-144.50	326.14	418.17	990.18	963.54	26.64	37.165		
2,900.00	2,748.16	2,721.75	2,674.35	16.83	13.31	-144.67	332.08	437.02	1,030.59	1,002.97	27.62	37.316		
3,000.00	2,839.80	2,813.18	2,763.62	17.52	13.76	-144.82	338.02	455.86	1,071.01	1,042.41	28.60	37.453		
3,100.00	2,931.43	2,904.61	2,852.89	18.20	14.22	-144.96	343.96	474.70	1,111.43	1,081.86	29.58	37.577		
3,200.00	3,023.07	3,003.95	2,942.16	18.89	14.71	-145.09	349.90	493.55	1,151.86	1,121.26	30.60	37.642		
3,300.00	3,114.71	3,087.48	3,031.44	19.58	15.13	-145.21	355.85	512.39	1,192.30	1,160.75	31.55	37.794		
3,400.00	3,206.35	3,178.91	3,120.71	20.27	15.58	-145.33	361.79	531.24	1,232.73	1,200.20	32.53	37.890		
3,500.00	3,297.98	3,270.34	3,209.98	20.97	16.04	-145.43	367.73	550.08	1,273.18	1,239.65	33.52	37.977		
3,600.00	3,389.62	3,361.78	3,299.25	21.66	16.50	-145.53	373.67	568.92	1,313.62	1,279.11	34.52	38.058		
3,700.00	3,481.26	3,453.21	3,388.53	22.36	16.96	-145.63	379.61	587.77	1,354.07	1,318.56	35.51	38.133		
3,800.00	3,572.89	3,544.64	3,477.80	23.05	17.42	-145.72	385.55	606.61	1,394.52	1,358.02	36.50	38.202		
3,900.00	3,664.53	3,636.07	3,567.07	23.75	17.88	-145.80	391.50	625.46	1,434.97	1,397.48	37.50	38.267		
4,000.00	3,756.17	3,727.51	3,656.34	24.45	18.34	-145.88	397.44	644.30	1,475.43	1,436.93	38.50	38.327		
4,100.00	3,847.80	3,818.94	3,745.61	25.14	18.80	-145.95	403.38	663.14	1,515.89	1,476.40	39.49	38.383		
4,200.00	3,939.44	3,910.37	3,834.89	25.84	19.26	-146.02	409.32	681.99	1,556.35	1,515.86	40.49	38.435		
4,300.00	4,031.08	4,001.80	3,924.16	26.54	19.72	-146.09	415.26	700.83	1,596.81	1,555.32	41.49	38.484		
4,400.00	4,122.72	4,106.76	4,013.43	27.24	20.25	-146.16	421.20	719.67	1,637.28	1,594.71	42.56	38.468		
4,500.00	4,214.35	4,184.67	4,102.70	27.94	20.64	-146.22	427.14	738.52	1,677.74	1,634.25	43.50	38.572		
4,600.00	4,305.99	4,276.10	4,191.97	28.64	21.10	-146.28	433.09	757.36	1,718.21	1,673.71	44.50	38.613		
4,700.00	4,397.63	4,367.53	4,281.25	29.35	21.57	-146.33	439.03	776.21	1,758.68	1,713.18	45.50	38.651		
4,800.00	4,489.26	4,458.97	4,370.52	30.05	22.03	-146.38	444.97	795.05	1,799.15	1,752.64	46.51	38.686		
4,900.00	4,580.90	4,550.40	4,459.79	30.75	22.49	-146.43	450.91	813.89	1,839.62	1,792.11	47.51	38.720		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	
5,000.00	4,672.54	4,641.83	4,549.06	31.45	22.96	-146.48	456.85	832.74	1,880.09	1,831.58	48.52	38.752		
5,100.00	4,764.17	4,733.26	4,638.33	32.16	23.42	-146.53	462.79	851.58	1,920.57	1,871.04	49.52	38.782		
5,200.00	4,855.81	4,824.70	4,727.61	32.86	23.88	-146.57	468.73	870.43	1,961.04	1,910.51	50.53	38.810		
5,300.00	4,947.45	4,916.13	4,816.88	33.56	24.35	-146.62	474.68	889.27	2,001.52	1,949.98	51.54	38.837		
5,400.00	5,039.08	5,007.56	4,906.15	34.27	24.81	-146.66	480.62	908.11	2,041.99	1,989.45	52.54	38.863		
5,500.00	5,130.72	5,101.01	4,995.42	34.97	25.29	-146.70	486.56	926.96	2,082.47	2,028.91	53.56	38.880		
5,600.00	5,222.36	5,209.57	5,084.70	35.68	25.84	-146.74	492.50	945.80	2,122.95	2,068.29	54.66	38.841		
5,700.00	5,314.00	5,281.86	5,173.97	36.38	26.21	-146.77	498.44	964.65	2,163.43	2,107.86	55.57	38.932		
5,800.00	5,405.63	5,373.29	5,263.24	37.08	26.67	-146.81	504.38	983.49	2,203.91	2,147.33	56.58	38.953		
5,900.00	5,497.27	5,464.72	5,352.51	37.79	27.14	-146.84	510.32	1,002.33	2,244.39	2,186.80	57.59	38.973		
6,000.00	5,588.91	5,556.16	5,441.78	38.50	27.60	-146.87	516.27	1,021.18	2,284.87	2,226.27	58.60	38.992		
6,100.00	5,680.54	5,647.59	5,531.06	39.20	28.07	-146.91	522.21	1,040.02	2,325.35	2,265.74	59.61	39.010		
6,200.00	5,772.18	5,739.02	5,620.33	39.91	28.53	-146.94	528.15	1,058.87	2,365.83	2,305.21	60.62	39.027		
6,300.00	5,863.82	5,830.45	5,709.60	40.61	29.00	-146.96	534.09	1,077.71	2,406.31	2,344.68	61.63	39.043		
6,400.00	5,955.45	5,921.89	5,798.87	41.32	29.46	-146.99	540.03	1,096.55	2,446.80	2,384.15	62.64	39.059		
6,500.00	6,047.09	6,013.32	5,888.14	42.02	29.93	-147.02	545.97	1,115.40	2,487.28	2,423.62	63.66	39.074		
6,600.00	6,138.73	6,104.75	5,977.42	42.73	30.40	-147.05	551.92	1,134.24	2,527.76	2,463.10	64.67	39.088		
6,700.00	6,230.37	6,196.18	6,066.69	43.44	30.86	-147.07	557.86	1,153.09	2,568.25	2,502.57	65.68	39.102		
6,712.03	6,241.39	6,207.18	6,077.43	43.52	30.92	-147.08	558.57	1,155.35	2,573.12	2,507.32	65.80	39.104		
6,750.00	6,276.38	6,241.86	6,111.28	43.78	31.10	-155.92	560.82	1,162.50	2,588.56	2,522.37	66.18	39.112		
6,800.00	6,322.91	6,287.25	6,155.60	44.09	31.33	-168.83	563.77	1,171.85	2,609.03	2,542.36	66.67	39.134		
6,850.00	6,369.70	6,332.08	6,199.37	44.36	31.56	177.46	566.69	1,181.09	2,629.57	2,562.43	67.14	39.167		
6,900.00	6,416.45	6,376.06	6,242.31	44.59	31.78	163.97	569.55	1,190.16	2,650.08	2,582.49	67.59	39.208		
6,950.00	6,462.87	6,418.93	6,284.17	44.79	32.00	151.65	572.33	1,198.99	2,670.49	2,602.46	68.03	39.254		
7,000.00	6,508.69	6,461.36	6,325.67	44.95	32.21	141.02	575.09	1,207.36	2,690.73	2,622.27	68.47	39.300		
7,050.00	6,553.61	6,505.23	6,369.02	45.09	32.42	132.12	577.98	1,213.40	2,710.71	2,641.80	68.91	39.337		
7,100.00	6,597.37	6,550.55	6,414.12	45.20	32.60	124.76	580.98	1,216.48	2,730.31	2,660.96	69.35	39.369		
7,150.00	6,639.68	6,597.58	6,461.04	45.30	32.78	118.67	584.10	1,216.27	2,749.43	2,679.63	69.80	39.388		
7,200.00	6,680.29	6,646.63	6,509.81	45.39	32.96	113.62	587.34	1,212.36	2,767.96	2,697.68	70.28	39.385		
7,250.00	6,718.96	6,698.05	6,560.46	45.48	33.14	109.41	590.70	1,204.23	2,785.77	2,714.98	70.79	39.351		
7,300.00	6,755.43	6,752.23	6,612.93	45.57	33.35	105.89	594.19	1,191.26	2,802.78	2,731.43	71.35	39.282		
7,350.00	6,789.49	6,809.60	6,667.08	45.67	33.57	102.94	597.78	1,172.71	2,818.85	2,746.88	71.96	39.171		
7,400.00	6,820.93	6,870.62	6,722.60	45.77	33.84	100.48	601.46	1,147.71	2,833.87	2,761.24	72.64	39.015		
7,450.00	6,849.55	6,935.76	6,778.94	45.89	34.14	98.44	605.20	1,115.27	2,847.73	2,774.35	73.38	38.810		
7,500.00	6,875.17	7,005.47	6,835.22	46.02	34.51	96.77	608.92	1,074.37	2,860.29	2,786.09	74.20	38.549		
7,550.00	6,897.64	7,080.09	6,890.14	46.17	34.96	95.42	612.56	1,024.05	2,871.43	2,796.31	75.12	38.225		
7,600.00	6,916.82	7,159.79	6,941.88	46.35	35.51	94.36	615.98	963.59	2,881.02	2,804.87	76.15	37.835		
7,650.00	6,932.60	7,244.45	6,988.12	46.55	36.21	93.54	619.03	892.82	2,888.93	2,811.60	77.33	37.359		
7,700.00	6,944.86	7,333.57	7,026.24	46.78	37.06	92.94	621.53	812.38	2,895.04	2,816.37	78.67	36.802		
7,750.00	6,953.55	7,426.18	7,053.58	47.04	38.07	92.52	623.32	724.00	2,899.24	2,819.08	80.16	36.169		
7,800.00	6,958.59	7,520.90	7,068.01	47.33	39.21	92.26	624.25	630.48	2,901.47	2,819.69	81.78	35.479		
7,842.10	6,960.00	7,586.88	7,070.00	47.60	40.05	92.17	624.36	564.55	2,901.83	2,818.76	83.07	34.933		
7,900.00	6,960.15	7,644.79	7,070.00	48.01	40.86	92.17	624.34	506.64	2,901.57	2,816.95	84.62	34.290		
8,000.00	6,960.40	7,744.79	7,070.01	48.86	42.34	92.16	624.30	406.65	2,901.11	2,813.61	87.50	33.156		
8,100.00	6,960.65	7,844.79	7,070.02	49.87	43.96	92.16	624.27	306.65	2,900.66	2,810.01	90.65	31.998		
8,200.00	6,960.91	7,944.78	7,070.03	51.06	45.70	92.16	624.24	206.65	2,900.21	2,806.17	94.04	30.839		
8,300.00	6,961.16	8,044.78	7,070.04	52.41	47.54	92.15	624.20	106.65	2,899.76	2,802.10	97.65	29.694		
8,400.00	6,961.41	8,144.78	7,070.05	53.93	49.49	92.15	624.17	6.65	2,899.31	2,797.85	101.46	28.577		
8,500.00	6,961.66	8,244.78	7,070.06	55.59	51.52	92.14	624.14	-93.35	2,898.85	2,793.42	105.43	27.494		
8,600.00	6,961.91	8,344.78	7,070.07	57.37	53.63	92.14	624.10	-193.35	2,898.40	2,788.84	109.56	26.454		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 32N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,444.78	7,070.08	59.27	55.80	92.13	624.07	-293.34	2,897.95	2,784.12	113.83	25.458		
8,800.00	6,962.42	8,544.78	7,070.08	61.26	58.03	92.13	624.03	-393.34	2,897.50	2,779.28	118.22	24.509		
8,900.00	6,962.67	8,644.78	7,070.09	63.34	60.32	92.12	624.00	-493.34	2,897.05	2,774.32	122.72	23.606		
9,000.00	6,962.92	8,744.77	7,070.10	65.49	62.65	92.12	623.97	-593.34	2,896.59	2,769.27	127.32	22.750		
9,100.00	6,963.17	8,844.77	7,070.11	67.70	65.03	92.12	623.93	-693.34	2,896.14	2,764.14	132.00	21.940		
9,200.00	6,963.42	8,944.77	7,070.12	69.97	67.44	92.11	623.90	-793.34	2,895.69	2,758.92	136.77	21.172		
9,300.00	6,963.68	9,044.77	7,070.13	72.28	69.89	92.11	623.87	-893.34	2,895.24	2,753.64	141.60	20.446		
9,400.00	6,963.93	9,144.77	7,070.14	74.64	72.37	92.10	623.83	-993.34	2,894.79	2,748.29	146.50	19.760		
9,500.00	6,964.18	9,244.77	7,070.15	77.04	74.87	92.10	623.80	-1,093.33	2,894.34	2,742.88	151.45	19.110		
9,600.00	6,964.43	9,344.77	7,070.16	79.48	77.40	92.09	623.77	-1,193.33	2,893.88	2,737.42	156.46	18.496		
9,700.00	6,964.68	9,444.77	7,070.16	81.94	79.95	92.09	623.73	-1,293.33	2,893.43	2,731.92	161.52	17.914		
9,800.00	6,964.94	9,544.76	7,070.17	84.43	82.52	92.08	623.70	-1,393.33	2,892.98	2,726.37	166.61	17.364		
9,900.00	6,965.19	9,644.76	7,070.18	86.95	85.11	92.08	623.66	-1,493.33	2,892.53	2,720.78	171.75	16.842		
10,000.00	6,965.44	9,744.76	7,070.19	89.49	87.72	92.08	623.63	-1,593.33	2,892.08	2,715.16	176.92	16.347		
10,100.00	6,965.69	9,844.76	7,070.20	92.05	90.34	92.07	623.60	-1,693.33	2,891.62	2,709.50	182.12	15.877		
10,200.00	6,965.94	9,944.76	7,070.21	94.63	92.98	92.07	623.56	-1,793.33	2,891.17	2,703.81	187.36	15.431		
10,300.00	6,966.19	10,044.76	7,070.22	97.22	95.63	92.06	623.53	-1,893.32	2,890.72	2,698.10	192.62	15.007		
10,400.00	6,966.45	10,144.76	7,070.23	99.83	98.29	92.06	623.50	-1,993.32	2,890.27	2,692.36	197.91	14.604		
10,500.00	6,966.70	10,244.76	7,070.24	102.46	100.96	92.05	623.46	-2,093.32	2,889.82	2,686.60	203.22	14.220		
10,600.00	6,966.95	10,344.75	7,070.24	105.09	103.65	92.05	623.43	-2,193.32	2,889.37	2,680.82	208.55	13.855		
10,700.00	6,967.20	10,444.75	7,070.25	107.74	106.34	92.04	623.39	-2,293.32	2,888.91	2,675.01	213.90	13.506		
10,800.00	6,967.45	10,544.75	7,070.26	110.41	109.04	92.04	623.36	-2,393.32	2,888.46	2,669.19	219.27	13.173		
10,900.00	6,967.71	10,644.75	7,070.27	113.08	111.75	92.03	623.33	-2,493.32	2,888.01	2,663.35	224.66	12.855		
11,000.00	6,967.96	10,744.75	7,070.28	115.76	114.46	92.03	623.29	-2,593.32	2,887.56	2,657.50	230.06	12.551		
11,100.00	6,968.21	10,844.75	7,070.29	118.45	117.18	92.03	623.26	-2,693.31	2,887.11	2,651.63	235.48	12.260		
11,200.00	6,968.46	10,944.75	7,070.30	121.15	119.91	92.02	623.23	-2,793.31	2,886.66	2,645.74	240.91	11.982		
11,300.00	6,968.71	11,044.75	7,070.31	123.85	122.65	92.02	623.19	-2,893.31	2,886.21	2,639.85	246.36	11.715		
11,400.00	6,968.97	11,144.74	7,070.32	126.56	125.39	92.01	623.16	-2,993.31	2,885.75	2,633.94	251.82	11.460		
11,500.00	6,969.22	11,244.74	7,070.32	129.28	128.13	92.01	623.13	-3,093.31	2,885.30	2,628.02	257.28	11.214		
11,600.00	6,969.47	11,344.74	7,070.33	132.01	130.88	92.00	623.09	-3,193.31	2,884.85	2,622.09	262.76	10.979		
11,700.00	6,969.72	11,444.74	7,070.34	134.74	133.64	92.00	623.06	-3,293.31	2,884.40	2,616.15	268.25	10.753		
11,800.00	6,969.97	11,544.74	7,070.35	137.48	136.40	91.99	623.02	-3,393.31	2,883.95	2,610.20	273.75	10.535		
11,900.00	6,970.22	11,644.74	7,070.36	140.22	139.16	91.99	622.99	-3,493.30	2,883.50	2,604.24	279.26	10.326		
12,000.00	6,970.48	11,744.74	7,070.37	142.97	141.93	91.98	622.96	-3,593.30	2,883.04	2,598.27	284.77	10.124		
12,100.00	6,970.73	11,844.74	7,070.38	145.72	144.70	91.98	622.92	-3,693.30	2,882.59	2,592.30	290.30	9.930		
12,200.00	6,970.98	11,944.73	7,070.39	148.47	147.47	91.98	622.89	-3,793.30	2,882.14	2,586.31	295.83	9.743		
12,300.00	6,971.23	12,044.73	7,070.40	151.23	150.25	91.97	622.86	-3,893.30	2,881.69	2,580.32	301.37	9.562		
12,400.00	6,971.48	12,144.73	7,070.40	154.00	153.03	91.97	622.82	-3,993.30	2,881.24	2,574.33	306.91	9.388		
12,500.00	6,971.74	12,244.73	7,070.41	156.76	155.81	91.96	622.79	-4,093.30	2,880.79	2,568.33	312.46	9.220		
12,600.00	6,971.99	12,344.73	7,070.42	159.53	158.60	91.96	622.75	-4,193.29	2,880.34	2,562.32	318.02	9.057		
12,700.00	6,972.24	12,444.73	7,070.43	162.31	161.39	91.95	622.72	-4,293.29	2,879.89	2,556.30	323.58	8.900		
12,800.00	6,972.49	12,544.73	7,070.44	165.09	164.18	91.95	622.69	-4,393.29	2,879.43	2,550.28	329.15	8.748		
12,900.00	6,972.74	12,644.72	7,070.45	167.86	166.97	91.94	622.65	-4,493.29	2,878.98	2,544.26	334.72	8.601		
13,002.01	6,973.00	12,746.73	7,070.46	170.70	169.83	91.94	622.62	-4,595.30	2,878.52	2,538.11	340.41	8.456 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	119.86	1.11	119.86					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	119.86	1.11	119.86	113.29	6.57	18.246		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	119.86	1.11	119.86	113.19	6.67	17.959		
300.00	300.00	300.00	300.00	3.44	3.44	0.53	119.86	1.11	119.86	112.97	6.89	17.397 CC, ES		
400.00	399.98	401.82	401.80	3.60	3.60	-148.52	119.06	2.74	120.59	113.39	7.20	16.752		
500.00	499.84	503.58	503.41	3.79	3.80	-147.50	116.69	7.61	122.81	115.22	7.59	16.178		
600.00	599.45	605.21	604.63	4.02	4.04	-145.89	112.74	15.71	126.59	118.52	8.07	15.690		
700.00	698.70	706.64	705.28	4.29	4.32	-143.79	107.23	27.01	132.01	123.39	8.62	15.317		
800.00	797.47	807.82	805.17	4.60	4.64	-141.33	100.18	41.46	139.20	129.97	9.23	15.074		
900.00	895.62	908.69	904.12	4.94	4.99	-138.66	91.62	59.01	148.26	138.34	9.91	14.955		
1,000.00	993.06	1,008.29	1,001.29	5.31	5.36	-136.21	82.02	78.69	159.46	148.81	10.65	14.975		
1,100.00	1,089.64	1,107.27	1,097.81	5.72	5.76	-134.80	72.42	98.38	173.28	161.84	11.43	15.157		
1,200.00	1,185.27	1,205.93	1,194.02	6.17	6.18	-134.30	62.84	118.01	189.56	177.30	12.26	15.462		
1,300.00	1,279.82	1,304.14	1,289.80	6.65	6.61	-134.51	53.31	137.55	208.26	195.14	13.12	15.870		
1,400.00	1,373.17	1,401.80	1,385.03	7.17	7.05	-135.24	43.83	156.99	229.40	215.38	14.02	16.366		
1,479.95	1,446.87	1,479.40	1,460.71	7.61	7.40	-136.08	36.30	172.43	248.10	233.35	14.75	16.820		
1,500.00	1,465.24	1,501.20	1,479.63	7.72	7.50	-136.37	34.42	176.29	253.00	238.06	14.95	16.925		
1,600.00	1,556.88	1,604.44	1,573.99	8.31	7.99	-137.70	25.03	195.54	277.53	261.62	15.91	17.442		
1,700.00	1,648.52	1,707.67	1,668.35	8.92	8.48	-138.81	15.64	214.79	302.18	285.29	16.89	17.888		
1,800.00	1,740.15	1,789.09	1,762.71	9.54	8.87	-139.75	6.25	234.05	326.91	309.13	17.78	18.383		
1,900.00	1,831.79	1,885.85	1,857.07	10.17	9.34	-140.56	-3.14	253.30	351.72	332.96	18.76	18.750		
2,000.00	1,923.43	1,982.61	1,951.43	10.81	9.81	-141.27	-12.53	272.55	376.59	356.85	19.74	19.074		
2,100.00	2,015.06	2,079.37	2,045.79	11.46	10.29	-141.88	-21.92	291.80	401.50	380.77	20.74	19.362		
2,200.00	2,106.70	2,176.14	2,140.16	12.11	10.77	-142.43	-31.31	311.06	426.45	404.72	21.74	19.618		
2,300.00	2,198.34	2,272.90	2,234.52	12.78	11.25	-142.91	-40.70	330.31	451.44	428.69	22.74	19.849		
2,400.00	2,289.98	2,369.66	2,328.88	13.44	11.73	-143.35	-50.09	349.56	476.45	452.69	23.76	20.056		
2,500.00	2,381.61	2,466.42	2,423.24	14.11	12.22	-143.74	-59.48	368.82	501.48	476.71	24.77	20.243		
2,600.00	2,473.25	2,563.18	2,517.60	14.79	12.71	-144.09	-68.88	388.07	526.53	500.74	25.79	20.413		
2,700.00	2,564.89	2,659.95	2,611.96	15.47	13.20	-144.41	-78.27	407.32	551.60	524.79	26.82	20.568		
2,800.00	2,656.52	2,756.71	2,706.32	16.15	13.69	-144.70	-87.66	426.58	576.69	548.84	27.85	20.709		
2,900.00	2,748.16	2,853.47	2,800.68	16.83	14.18	-144.97	-97.05	445.83	601.79	572.91	28.88	20.839		
3,000.00	2,839.80	2,950.23	2,895.05	17.52	14.68	-145.22	-106.44	465.08	626.90	596.99	29.91	20.958		
3,100.00	2,931.43	3,047.00	2,989.41	18.20	15.17	-145.45	-115.83	484.34	652.02	621.07	30.95	21.068		
3,200.00	3,023.07	3,143.76	3,083.77	18.89	15.67	-145.66	-125.22	503.59	677.15	645.16	31.99	21.170		
3,300.00	3,114.71	3,240.52	3,178.13	19.58	16.17	-145.86	-134.61	522.84	702.28	669.26	33.03	21.264		
3,400.00	3,206.35	3,337.28	3,272.49	20.27	16.67	-146.04	-144.00	542.09	727.43	693.36	34.07	21.352		
3,500.00	3,297.98	3,434.04	3,366.85	20.97	17.16	-146.21	-153.39	561.35	752.58	717.47	35.11	21.433		
3,600.00	3,389.62	3,530.81	3,461.21	21.66	17.66	-146.37	-162.78	580.60	777.73	741.58	36.16	21.509		
3,700.00	3,481.26	3,627.57	3,555.57	22.36	18.16	-146.52	-172.17	599.85	802.90	765.69	37.20	21.581		
3,800.00	3,572.89	3,724.33	3,649.94	23.05	18.66	-146.66	-181.56	619.11	828.06	789.81	38.25	21.647		
3,900.00	3,664.53	3,821.09	3,744.30	23.75	19.16	-146.79	-190.95	638.36	853.23	813.93	39.30	21.710		
4,000.00	3,756.17	3,917.85	3,838.66	24.45	19.67	-146.92	-200.34	657.61	878.41	838.06	40.35	21.769		
4,100.00	3,847.80	4,014.62	3,933.02	25.14	20.17	-147.03	-209.73	676.87	903.59	862.18	41.40	21.825		
4,200.00	3,939.44	4,111.38	4,027.38	25.84	20.67	-147.14	-219.12	696.12	928.77	886.31	42.45	21.877		
4,300.00	4,031.08	4,208.14	4,121.74	26.54	21.17	-147.25	-228.51	715.37	953.95	910.45	43.51	21.927		
4,400.00	4,122.72	4,304.90	4,216.10	27.24	21.68	-147.35	-237.90	734.63	979.14	934.58	44.56	21.973		
4,500.00	4,214.35	4,401.67	4,310.46	27.94	22.18	-147.44	-247.29	753.88	1,004.33	958.72	45.61	22.018		
4,600.00	4,305.99	4,501.57	4,404.83	28.64	22.70	-147.54	-256.68	773.13	1,029.52	982.84	46.69	22.052		
4,700.00	4,397.63	4,604.81	4,499.19	29.35	23.24	-147.62	-266.07	792.39	1,054.72	1,006.95	47.77	22.077		
4,800.00	4,489.26	4,708.05	4,593.55	30.05	23.78	-147.70	-275.46	811.64	1,079.92	1,031.05	48.86	22.101		
4,900.00	4,580.90	4,788.71	4,687.91	30.75	24.20	-147.78	-284.85	830.89	1,105.12	1,055.28	49.84	22.174		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33C-9-L - OH - Plan #1														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,672.54	4,885.48	4,782.27	31.45	24.70	-147.86	-294.24	850.14	1,130.32	1,079.42	50.90	22.209			
5,100.00	4,764.17	4,982.24	4,876.63	32.16	25.21	-147.93	-303.63	869.40	1,155.52	1,103.57	51.95	22.242			
5,200.00	4,855.81	5,079.00	4,970.99	32.86	25.71	-148.00	-313.02	888.65	1,180.73	1,127.71	53.01	22.273			
5,300.00	4,947.45	5,175.76	5,065.35	33.56	26.22	-148.06	-322.41	907.90	1,205.93	1,151.86	54.07	22.303			
5,400.00	5,039.08	5,272.52	5,159.72	34.27	26.72	-148.12	-331.81	927.16	1,231.14	1,176.01	55.13	22.332			
5,500.00	5,130.72	5,369.29	5,254.08	34.97	27.23	-148.18	-341.20	946.41	1,256.35	1,200.16	56.19	22.360			
5,600.00	5,222.36	5,466.05	5,348.44	35.68	27.73	-148.24	-350.59	965.66	1,281.56	1,224.31	57.25	22.386			
5,700.00	5,314.00	5,562.81	5,442.80	36.38	28.24	-148.30	-359.98	984.92	1,306.77	1,248.46	58.31	22.411			
5,800.00	5,405.63	5,659.57	5,537.16	37.08	28.75	-148.35	-369.37	1,004.17	1,331.98	1,272.61	59.37	22.436			
5,900.00	5,497.27	5,756.33	5,631.52	37.79	29.25	-148.40	-378.76	1,023.42	1,357.19	1,296.76	60.43	22.459			
6,000.00	5,588.91	5,853.10	5,725.88	38.50	29.76	-148.45	-388.15	1,042.68	1,382.41	1,320.92	61.49	22.481			
6,100.00	5,680.54	5,949.86	5,820.24	39.20	30.27	-148.50	-397.54	1,061.93	1,407.62	1,345.07	62.55	22.503			
6,200.00	5,772.18	6,046.62	5,914.61	39.91	30.77	-148.55	-406.93	1,081.18	1,432.84	1,369.23	63.62	22.524			
6,300.00	5,863.82	6,143.38	6,008.97	40.61	31.28	-148.59	-416.32	1,100.43	1,458.06	1,393.38	64.68	22.544			
6,400.00	5,955.45	6,240.15	6,103.33	41.32	31.79	-148.64	-425.71	1,119.69	1,483.28	1,417.54	65.74	22.563			
6,500.00	6,047.09	6,336.91	6,197.69	42.02	32.29	-148.68	-435.10	1,138.94	1,508.49	1,441.69	66.80	22.581			
6,600.00	6,138.73	6,433.67	6,292.05	42.73	32.80	-148.72	-444.49	1,158.19	1,533.71	1,465.85	67.87	22.599			
6,700.00	6,230.37	6,530.43	6,386.41	43.44	33.31	-148.76	-453.88	1,177.45	1,558.93	1,490.01	68.93	22.617			
6,712.03	6,241.39	6,542.07	6,397.76	43.52	33.37	-148.76	-455.01	1,179.76	1,561.97	1,492.91	69.06	22.619			
6,750.00	6,276.38	6,578.79	6,433.57	43.78	33.56	-156.97	-458.57	1,187.07	1,571.59	1,502.13	69.46	22.626			
6,800.00	6,322.91	6,626.87	6,480.45	44.09	33.81	-168.99	-463.24	1,196.63	1,584.35	1,514.36	69.99	22.637			
6,850.00	6,369.70	6,674.26	6,527.02	44.36	34.04	178.16	-467.86	1,204.07	1,597.18	1,526.70	70.48	22.660			
6,900.00	6,416.45	6,722.09	6,574.44	44.59	34.25	165.46	-472.56	1,208.03	1,610.03	1,539.08	70.95	22.694			
6,950.00	6,462.87	6,770.41	6,622.51	44.79	34.44	153.86	-477.31	1,208.39	1,622.81	1,551.43	71.38	22.736			
7,000.00	6,508.69	6,819.27	6,671.01	44.95	34.60	143.89	-482.08	1,205.03	1,635.45	1,563.66	71.79	22.781			
7,050.00	6,553.61	6,868.73	6,719.70	45.09	34.76	135.61	-486.85	1,197.84	1,647.87	1,575.67	72.20	22.823			
7,100.00	6,597.37	6,918.85	6,768.32	45.20	34.92	128.82	-491.60	1,186.69	1,660.00	1,587.37	72.63	22.857			
7,150.00	6,639.68	6,969.67	6,816.57	45.30	35.09	123.27	-496.30	1,171.50	1,671.76	1,598.69	73.07	22.880			
7,200.00	6,680.29	7,021.24	6,864.15	45.39	35.27	118.71	-500.92	1,152.19	1,683.08	1,609.55	73.53	22.889			
7,250.00	6,718.96	7,073.60	6,910.71	45.48	35.47	114.94	-505.42	1,128.69	1,693.89	1,619.86	74.03	22.881			
7,300.00	6,755.43	7,126.77	6,955.86	45.57	35.69	111.79	-509.76	1,100.97	1,704.12	1,629.56	74.56	22.855			
7,350.00	6,789.49	7,180.79	6,999.21	45.67	35.93	109.15	-513.91	1,069.04	1,713.70	1,638.56	75.14	22.806			
7,400.00	6,820.93	7,235.65	7,040.33	45.77	36.21	106.94	-517.82	1,032.95	1,722.57	1,646.79	75.78	22.733			
7,450.00	6,849.55	7,291.35	7,078.74	45.89	36.52	105.08	-521.44	992.82	1,730.66	1,654.19	76.47	22.632			
7,500.00	6,875.17	7,347.85	7,114.00	46.02	36.88	103.54	-524.74	948.82	1,737.93	1,660.70	77.23	22.502			
7,550.00	6,897.64	7,405.11	7,145.64	46.17	37.29	102.26	-527.67	901.20	1,744.31	1,666.24	78.07	22.342			
7,600.00	6,916.82	7,463.07	7,173.19	46.35	37.76	101.22	-530.18	850.29	1,749.77	1,670.76	79.00	22.148			
7,650.00	6,932.60	7,521.64	7,196.24	46.55	38.28	100.40	-532.24	796.51	1,754.26	1,674.24	80.02	21.924			
7,700.00	6,944.86	7,580.72	7,214.40	46.78	38.86	99.78	-533.80	740.34	1,757.74	1,676.63	81.11	21.671			
7,750.00	6,953.55	7,640.18	7,227.38	47.04	39.50	99.36	-534.84	682.33	1,760.20	1,677.91	82.29	21.391			
7,800.00	6,958.59	7,699.91	7,234.94	47.33	40.18	99.11	-535.35	623.12	1,761.60	1,678.08	83.53	21.090			
7,842.10	6,960.00	7,750.28	7,237.00	47.60	40.78	99.04	-535.34	572.79	1,761.97	1,677.35	84.62	20.823			
7,900.00	6,960.15	7,808.15	7,237.11	48.01	41.52	99.04	-535.12	514.93	1,761.95	1,675.83	86.12	20.458			
8,000.00	6,960.40	7,908.15	7,237.29	48.86	42.91	99.04	-534.73	414.93	1,761.92	1,672.98	88.95	19.809			
8,100.00	6,960.65	8,008.15	7,237.48	49.87	44.45	99.04	-534.34	314.93	1,761.89	1,669.86	92.03	19.145			
8,200.00	6,960.91	8,108.15	7,237.67	51.06	46.12	99.04	-533.94	214.93	1,761.86	1,666.51	95.35	18.478			
8,300.00	6,961.16	8,208.15	7,237.85	52.41	47.91	99.04	-533.55	114.93	1,761.83	1,662.95	98.88	17.818			
8,400.00	6,961.41	8,308.15	7,238.04	53.93	49.79	99.03	-533.16	14.93	1,761.81	1,659.20	102.60	17.171			
8,500.00	6,961.66	8,408.15	7,238.23	55.59	51.78	99.03	-532.77	-85.07	1,761.78	1,655.28	106.50	16.543			
8,600.00	6,961.91	8,508.15	7,238.41	57.37	53.83	99.03	-532.38	-185.07	1,761.75	1,651.21	110.54	15.938			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	6,962.16	8,608.15	7,238.60	59.27	55.97	99.03	-531.99	-285.07	1,761.72	1,646.99	114.73	15.356		
8,800.00	6,962.42	8,708.15	7,238.79	61.26	58.17	99.03	-531.60	-385.07	1,761.69	1,642.66	119.03	14.800		
8,900.00	6,962.67	8,808.15	7,238.97	63.34	60.42	99.02	-531.21	-485.06	1,761.66	1,638.22	123.44	14.271		
9,000.00	6,962.92	8,908.15	7,239.16	65.49	62.73	99.02	-530.82	-585.06	1,761.63	1,633.68	127.96	13.767		
9,100.00	6,963.17	9,008.15	7,239.34	67.70	65.08	99.02	-530.43	-685.06	1,761.60	1,629.05	132.56	13.289		
9,200.00	6,963.42	9,108.15	7,239.53	69.97	67.47	99.02	-530.04	-785.06	1,761.57	1,624.34	137.23	12.836		
9,300.00	6,963.68	9,208.15	7,239.72	72.28	69.89	99.02	-529.65	-885.06	1,761.55	1,619.56	141.98	12.407		
9,400.00	6,963.93	9,308.15	7,239.90	74.64	72.35	99.01	-529.26	-985.06	1,761.52	1,614.72	146.80	12.000		
9,500.00	6,964.18	9,408.15	7,240.09	77.04	74.84	99.01	-528.87	-1,085.06	1,761.49	1,609.82	151.67	11.614		
9,600.00	6,964.43	9,508.15	7,240.28	79.48	77.35	99.01	-528.48	-1,185.06	1,761.46	1,604.86	156.60	11.248		
9,700.00	6,964.68	9,608.15	7,240.46	81.94	79.89	99.01	-528.08	-1,285.06	1,761.43	1,599.86	161.57	10.902		
9,800.00	6,964.94	9,708.15	7,240.65	84.43	82.44	99.01	-527.69	-1,385.06	1,761.40	1,594.81	166.59	10.573		
9,900.00	6,965.19	9,808.15	7,240.83	86.95	85.02	99.00	-527.30	-1,485.06	1,761.37	1,589.73	171.64	10.262		
10,000.00	6,965.44	9,908.15	7,241.02	89.49	87.62	99.00	-526.91	-1,585.05	1,761.34	1,584.61	176.74	9.966		
10,100.00	6,965.69	10,008.15	7,241.21	92.05	90.23	99.00	-526.52	-1,685.05	1,761.31	1,579.45	181.86	9.685		
10,200.00	6,965.94	10,108.15	7,241.39	94.63	92.85	99.00	-526.13	-1,785.05	1,761.29	1,574.26	187.02	9.418		
10,300.00	6,966.19	10,208.15	7,241.58	97.22	95.49	99.00	-525.74	-1,885.05	1,761.26	1,569.05	192.21	9.163		
10,400.00	6,966.45	10,308.15	7,241.77	99.83	98.14	98.99	-525.35	-1,985.05	1,761.23	1,563.81	197.42	8.921		
10,500.00	6,966.70	10,408.15	7,241.95	102.46	100.81	98.99	-524.96	-2,085.05	1,761.20	1,558.54	202.65	8.691		
10,600.00	6,966.95	10,508.15	7,242.14	105.09	103.48	98.99	-524.57	-2,185.05	1,761.17	1,553.26	207.91	8.471		
10,700.00	6,967.20	10,608.15	7,242.32	107.74	106.17	98.99	-524.18	-2,285.05	1,761.14	1,547.95	213.19	8.261		
10,800.00	6,967.45	10,708.15	7,242.51	110.41	108.86	98.99	-523.79	-2,385.05	1,761.11	1,542.62	218.49	8.060		
10,900.00	6,967.71	10,808.15	7,242.70	113.08	111.56	98.98	-523.40	-2,485.05	1,761.08	1,537.28	223.80	7.869		
11,000.00	6,967.96	10,908.15	7,242.88	115.76	114.27	98.98	-523.01	-2,585.04	1,761.05	1,531.92	229.14	7.686		
11,100.00	6,968.21	11,008.15	7,243.07	118.45	116.99	98.98	-522.62	-2,685.04	1,761.03	1,526.54	234.48	7.510		
11,200.00	6,968.46	11,108.15	7,243.26	121.15	119.71	98.98	-522.22	-2,785.04	1,761.00	1,521.15	239.84	7.342		
11,300.00	6,968.71	11,208.15	7,243.44	123.85	122.44	98.98	-521.83	-2,885.04	1,760.97	1,515.75	245.22	7.181		
11,400.00	6,968.97	11,308.15	7,243.63	126.56	125.18	98.97	-521.44	-2,985.04	1,760.94	1,510.33	250.61	7.027		
11,500.00	6,969.22	11,408.15	7,243.82	129.28	127.92	98.97	-521.05	-3,085.04	1,760.91	1,504.90	256.00	6.878		
11,600.00	6,969.47	11,508.15	7,244.00	132.01	130.66	98.97	-520.66	-3,185.04	1,760.88	1,499.47	261.41	6.736		
11,700.00	6,969.72	11,608.15	7,244.19	134.74	133.41	98.97	-520.27	-3,285.04	1,760.85	1,494.02	266.84	6.599		
11,800.00	6,969.97	11,708.15	7,244.37	137.48	136.17	98.97	-519.88	-3,385.04	1,760.82	1,488.56	272.27	6.467		
11,900.00	6,970.22	11,808.15	7,244.56	140.22	138.93	98.96	-519.49	-3,485.04	1,760.79	1,483.09	277.70	6.341		
12,000.00	6,970.48	11,908.15	7,244.75	142.97	141.69	98.96	-519.10	-3,585.03	1,760.77	1,477.61	283.15	6.218		
12,100.00	6,970.73	12,008.15	7,244.93	145.72	144.46	98.96	-518.71	-3,685.03	1,760.74	1,472.13	288.61	6.101		
12,200.00	6,970.98	12,108.15	7,245.12	148.47	147.23	98.96	-518.32	-3,785.03	1,760.71	1,466.63	294.07	5.987		
12,300.00	6,971.23	12,208.15	7,245.31	151.23	150.01	98.96	-517.93	-3,885.03	1,760.68	1,461.13	299.54	5.878		
12,400.00	6,971.48	12,308.15	7,245.49	154.00	152.78	98.95	-517.54	-3,985.03	1,760.65	1,455.63	305.02	5.772		
12,500.00	6,971.74	12,408.15	7,245.68	156.76	155.57	98.95	-517.15	-4,085.03	1,760.62	1,450.11	310.51	5.670		
12,600.00	6,971.99	12,508.15	7,245.86	159.53	158.35	98.95	-516.76	-4,185.03	1,760.59	1,444.59	316.00	5.572		
12,700.00	6,972.24	12,608.15	7,246.05	162.31	161.14	98.95	-516.36	-4,285.03	1,760.56	1,439.07	321.49	5.476		
12,800.00	6,972.49	12,708.15	7,246.24	165.09	163.93	98.95	-515.97	-4,385.03	1,760.53	1,433.54	327.00	5.384		
12,900.00	6,972.74	12,808.15	7,246.42	167.86	166.72	98.94	-515.58	-4,485.03	1,760.51	1,428.00	332.51	5.295		
13,002.01	6,973.00	12,910.16	7,246.61	170.70	169.57	98.94	-515.18	-4,587.04	1,760.48	1,422.35	338.13	5.207 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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-9A-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.59	134.80	1.39	134.80					
100.00	100.00	100.00	100.00	3.28	3.28	0.59	134.80	1.39	134.80	128.24	6.57	20.520		
200.00	200.00	200.00	200.00	3.34	3.34	0.59	134.80	1.39	134.80	128.13	6.67	20.198		
300.00	300.00	300.73	300.71	3.44	3.44	1.34	134.49	3.13	134.53	127.64	6.89	19.531		
320.89	320.89	321.76	321.72	3.47	3.47	-147.74	134.35	3.94	134.47	127.53	6.94	19.363 CC, ES		
400.00	399.98	401.28	401.11	3.60	3.60	-146.23	133.57	8.35	135.28	128.09	7.19	18.803		
500.00	499.84	501.53	500.97	3.79	3.81	-143.79	132.04	17.00	138.71	131.12	7.59	18.277		
600.00	599.45	601.35	600.04	4.02	4.05	-140.91	129.92	29.03	144.97	136.90	8.07	17.968		
700.00	698.70	700.64	698.09	4.29	4.34	-137.82	127.22	44.36	154.20	145.57	8.62	17.880		
800.00	797.47	807.76	794.88	4.60	4.69	-134.69	123.95	62.88	166.50	157.21	9.28	17.940		
900.00	895.62	902.17	891.29	4.94	5.03	-132.15	120.37	83.19	181.71	171.75	9.96	18.250		
1,000.00	993.06	1,003.83	987.45	5.31	5.42	-130.69	116.80	103.44	199.41	188.70	10.71	18.618		
1,100.00	1,089.64	1,105.86	1,083.26	5.72	5.84	-130.10	113.25	123.61	219.39	207.87	11.51	19.056		
1,200.00	1,185.27	1,208.37	1,178.60	6.17	6.27	-130.17	109.71	143.69	241.57	229.21	12.36	19.547		
1,300.00	1,279.82	1,288.52	1,273.34	6.65	6.62	-130.72	106.19	163.64	265.98	252.84	13.14	20.238		
1,400.00	1,373.17	1,384.68	1,367.38	7.17	7.05	-131.60	102.70	183.44	292.69	278.66	14.03	20.865		
1,479.95	1,446.87	1,460.97	1,441.98	7.61	7.39	-132.47	99.93	199.15	315.77	301.01	14.75	21.402		
1,500.00	1,465.24	1,480.03	1,460.62	7.72	7.48	-132.79	99.23	203.08	321.75	306.82	14.94	21.537		
1,600.00	1,556.88	1,575.09	1,553.58	8.31	7.92	-134.22	95.78	222.65	351.74	335.88	15.86	22.174		
1,700.00	1,648.52	1,670.15	1,646.53	8.92	8.36	-135.42	92.33	242.23	381.90	365.10	16.80	22.728		
1,800.00	1,740.15	1,765.21	1,739.49	9.54	8.81	-136.45	88.88	261.80	412.19	394.44	17.76	23.214		
1,900.00	1,831.79	1,860.26	1,832.45	10.17	9.26	-137.34	85.43	281.38	442.59	423.87	18.72	23.642		
2,000.00	1,923.43	1,955.32	1,925.41	10.81	9.72	-138.11	81.98	300.96	473.07	453.37	19.69	24.020		
2,100.00	2,015.06	2,050.38	2,018.36	11.46	10.18	-138.80	78.52	320.53	503.62	482.94	20.68	24.357		
2,200.00	2,106.70	2,145.44	2,111.32	12.11	10.64	-139.40	75.07	340.11	534.22	512.56	21.67	24.658		
2,300.00	2,198.34	2,240.50	2,204.28	12.78	11.11	-139.94	71.62	359.68	564.88	542.22	22.66	24.928		
2,400.00	2,289.98	2,335.56	2,297.24	13.44	11.57	-140.42	68.17	379.26	595.57	571.91	23.66	25.171		
2,500.00	2,381.61	2,430.62	2,390.19	14.11	12.04	-140.85	64.72	398.83	626.30	601.64	24.67	25.391		
2,600.00	2,473.25	2,525.68	2,483.15	14.79	12.51	-141.25	61.27	418.41	657.06	631.39	25.67	25.592		
2,700.00	2,564.89	2,620.74	2,576.11	15.47	12.99	-141.61	57.81	437.98	687.84	661.16	26.69	25.774		
2,800.00	2,656.52	2,715.80	2,669.07	16.15	13.46	-141.94	54.36	457.56	718.65	690.95	27.70	25.941		
2,900.00	2,748.16	2,810.85	2,762.02	16.83	13.93	-142.24	50.91	477.13	749.48	720.76	28.72	26.095		
3,000.00	2,839.80	2,905.91	2,854.98	17.52	14.41	-142.52	47.46	496.71	780.32	750.58	29.74	26.236		
3,100.00	2,931.43	3,000.97	2,947.94	18.20	14.89	-142.77	44.01	516.29	811.18	780.42	30.77	26.366		
3,200.00	3,023.07	3,103.97	3,040.90	18.89	15.40	-143.01	40.56	535.86	842.05	810.22	31.83	26.454		
3,300.00	3,114.71	3,208.91	3,133.85	19.58	15.93	-143.23	37.10	555.44	872.94	840.03	32.91	26.527		
3,400.00	3,206.35	3,286.15	3,226.81	20.27	16.32	-143.44	33.65	575.01	903.84	869.99	33.85	26.703		
3,500.00	3,297.98	3,381.21	3,319.77	20.97	16.80	-143.63	30.20	594.59	934.74	899.86	34.88	26.800		
3,600.00	3,389.62	3,476.27	3,412.73	21.66	17.28	-143.81	26.75	614.16	965.66	929.75	35.91	26.891		
3,700.00	3,481.26	3,571.33	3,505.68	22.36	17.76	-143.98	23.30	633.74	996.58	959.64	36.94	26.976		
3,800.00	3,572.89	3,666.38	3,598.64	23.05	18.24	-144.14	19.85	653.31	1,027.51	989.53	37.98	27.056		
3,900.00	3,664.53	3,761.44	3,691.60	23.75	18.72	-144.29	16.39	672.89	1,058.45	1,019.43	39.01	27.130		
4,000.00	3,756.17	3,856.50	3,784.56	24.45	19.20	-144.43	12.94	692.46	1,089.39	1,049.34	40.05	27.201		
4,100.00	3,847.80	3,951.56	3,877.51	25.14	19.69	-144.56	9.49	712.04	1,120.34	1,079.25	41.09	27.267		
4,200.00	3,939.44	4,046.62	3,970.47	25.84	20.17	-144.69	6.04	731.62	1,151.29	1,109.17	42.13	27.330		
4,300.00	4,031.08	4,141.68	4,063.43	26.54	20.65	-144.81	2.59	751.19	1,182.25	1,139.09	43.17	27.389		
4,400.00	4,122.72	4,236.74	4,156.38	27.24	21.14	-144.92	-0.86	770.77	1,213.21	1,169.01	44.21	27.445		
4,500.00	4,214.35	4,331.80	4,249.34	27.94	21.62	-145.03	-4.32	790.34	1,244.18	1,198.94	45.25	27.498		
4,600.00	4,305.99	4,426.86	4,342.30	28.64	22.10	-145.13	-7.77	809.92	1,275.15	1,228.87	46.29	27.549		
4,700.00	4,397.63	4,521.91	4,435.26	29.35	22.59	-145.23	-11.22	829.49	1,306.13	1,258.80	47.33	27.597		
4,800.00	4,489.26	4,616.97	4,528.21	30.05	23.07	-145.32	-14.67	849.07	1,337.11	1,288.73	48.37	27.642		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)					
4,900.00	4,580.90	4,712.03	4,621.17	30.75	23.56	-145.41	-18.12	868.64		1,368.09	1,318.67	49.41	27.686				
5,000.00	4,672.54	4,807.09	4,714.13	31.45	24.04	-145.49	-21.57	888.22		1,399.07	1,348.61	50.46	27.727				
5,100.00	4,764.17	4,902.15	4,807.09	32.16	24.53	-145.58	-25.03	907.79		1,430.06	1,378.55	51.50	27.767				
5,200.00	4,855.81	5,002.79	4,900.04	32.86	25.04	-145.65	-28.48	927.37		1,461.05	1,408.47	52.58	27.789				
5,300.00	4,947.45	5,107.73	4,993.00	33.56	25.58	-145.73	-31.93	946.95		1,492.04	1,438.37	53.67	27.800				
5,400.00	5,039.08	5,187.33	5,085.96	34.27	25.98	-145.80	-35.38	966.52		1,523.03	1,468.39	54.64	27.875				
5,500.00	5,130.72	5,282.39	5,178.92	34.97	26.47	-145.87	-38.83	986.10		1,554.03	1,498.34	55.68	27.908				
5,600.00	5,222.36	5,377.44	5,271.87	35.68	26.96	-145.93	-42.28	1,005.67		1,585.02	1,528.29	56.73	27.940				
5,700.00	5,314.00	5,472.50	5,364.83	36.38	27.44	-146.00	-45.74	1,025.25		1,616.02	1,558.25	57.78	27.970				
5,800.00	5,405.63	5,567.56	5,457.79	37.08	27.93	-146.06	-49.19	1,044.82		1,647.02	1,588.20	58.82	27.999				
5,900.00	5,497.27	5,662.62	5,550.75	37.79	28.41	-146.12	-52.64	1,064.40		1,678.03	1,618.16	59.87	28.027				
6,000.00	5,588.91	5,757.68	5,643.70	38.50	28.90	-146.17	-56.09	1,083.97		1,709.03	1,648.11	60.92	28.054				
6,100.00	5,680.54	5,852.74	5,736.66	39.20	29.39	-146.23	-59.54	1,103.55		1,740.04	1,678.07	61.97	28.080				
6,200.00	5,772.18	5,947.80	5,829.62	39.91	29.87	-146.28	-62.99	1,123.12		1,771.04	1,708.03	63.02	28.105				
6,300.00	5,863.82	6,042.86	5,922.58	40.61	30.36	-146.33	-66.45	1,142.70		1,802.05	1,737.99	64.06	28.129				
6,400.00	5,955.45	6,137.92	6,015.53	41.32	30.85	-146.38	-69.90	1,162.28		1,833.06	1,767.95	65.11	28.152				
6,500.00	6,047.09	6,232.98	6,108.49	42.02	31.34	-146.43	-73.35	1,181.85		1,864.07	1,797.91	66.16	28.174				
6,600.00	6,138.73	6,330.17	6,203.68	42.73	31.82	-146.50	-76.89	1,201.11		1,895.07	1,827.85	67.22	28.192				
6,700.00	6,230.37	6,430.25	6,303.27	43.44	32.24	-146.95	-80.63	1,209.06		1,925.85	1,857.68	68.17	28.252				
6,712.03	6,241.39	6,441.93	6,314.95	43.52	32.29	-147.03	-81.08	1,208.97		1,929.55	1,861.28	68.27	28.265				
6,750.00	6,276.38	6,478.42	6,351.37	43.78	32.41	-155.74	-82.46	1,207.29		1,941.29	1,872.73	68.56	28.315				
6,800.00	6,322.91	6,525.78	6,398.39	44.09	32.57	-168.55	-84.26	1,202.01		1,956.93	1,888.01	68.92	28.395				
6,850.00	6,369.70	6,572.45	6,444.21	44.36	32.73	177.78	-86.03	1,193.39		1,972.67	1,903.42	69.25	28.485				
6,900.00	6,416.45	6,618.51	6,488.70	44.59	32.90	164.26	-87.76	1,181.62		1,988.42	1,918.85	69.57	28.581				
6,950.00	6,462.87	6,664.06	6,531.73	44.79	33.07	151.86	-89.45	1,166.85		2,004.07	1,934.18	69.88	28.677				
7,000.00	6,508.69	6,709.16	6,573.21	44.95	33.25	141.11	-91.08	1,149.22		2,019.51	1,949.31	70.20	28.769				
7,050.00	6,553.61	6,753.89	6,613.00	45.09	33.44	132.09	-92.66	1,128.87		2,034.64	1,964.12	70.52	28.851				
7,100.00	6,597.37	6,798.31	6,651.01	45.20	33.65	124.59	-94.19	1,105.96		2,049.37	1,978.50	70.86	28.920				
7,150.00	6,639.68	6,842.48	6,687.13	45.30	33.88	118.37	-95.65	1,080.59		2,063.59	1,992.36	71.23	28.970				
7,200.00	6,680.29	6,886.44	6,721.25	45.39	34.12	113.17	-97.04	1,052.92		2,077.22	2,005.58	71.63	28.998				
7,250.00	6,718.96	6,930.25	6,753.27	45.48	34.39	108.80	-98.37	1,023.07		2,090.16	2,018.09	72.07	29.001				
7,300.00	6,755.43	6,973.92	6,783.08	45.57	34.67	105.11	-99.61	991.18		2,102.34	2,029.78	72.56	28.975				
7,350.00	6,789.49	7,017.50	6,810.57	45.67	34.99	101.97	-100.78	957.41		2,113.68	2,040.58	73.09	28.918				
7,400.00	6,820.93	7,061.00	6,835.65	45.77	35.33	99.29	-101.86	921.89		2,124.10	2,050.41	73.69	28.825				
7,450.00	6,849.55	7,104.44	6,858.22	45.89	35.70	97.03	-102.85	884.79		2,133.54	2,059.19	74.35	28.696				
7,500.00	6,875.17	7,147.84	6,878.18	46.02	36.10	95.12	-103.75	846.28		2,141.95	2,066.87	75.08	28.528				
7,550.00	6,897.64	7,191.20	6,895.47	46.17	36.53	93.52	-104.55	806.53		2,149.27	2,073.37	75.89	28.319				
7,600.00	6,916.82	7,234.52	6,910.00	46.35	36.99	92.22	-105.25	765.73		2,155.45	2,078.67	76.78	28.073				
7,650.00	6,932.60	7,277.81	6,921.72	46.55	37.47	91.18	-105.84	724.07		2,160.46	2,082.72	77.74	27.790				
7,700.00	6,944.86	7,321.06	6,930.57	46.78	37.98	90.40	-106.33	681.75		2,164.27	2,085.50	78.78	27.474				
7,750.00	6,953.55	7,364.26	6,936.53	47.04	38.52	89.86	-106.72	638.97		2,166.85	2,086.98	79.87	27.129				
7,800.00	6,958.59	7,407.41	6,939.57	47.33	39.06	89.55	-106.99	595.94		2,168.20	2,087.17	81.03	26.758				
7,842.10	6,960.00	7,446.03	6,940.05	47.60	39.57	89.47	-107.15	557.32		2,168.35	2,086.28	82.07	26.421				
7,900.00	6,960.15	7,503.93	6,940.20	48.01	40.37	89.47	-107.36	499.42		2,167.89	2,084.28	83.61	25.929				
8,000.00	6,960.40	7,603.93	6,940.47	48.86	41.87	89.47	-107.74	399.43		2,167.11	2,080.59	86.52	25.048				
8,100.00	6,960.65	7,703.93	6,940.73	49.87	43.50	89.47	-108.12	299.43		2,166.32	2,076.62	89.70	24.151				
8,200.00	6,960.91	7,803.92	6,941.00	51.06	45.26	89.47	-108.49	199.44		2,165.54	2,072.42	93.12	23.255				
8,300.00	6,961.16	7,903.92	6,941.26	52.41	47.13	89.47	-108.87	99.44		2,164.75	2,067.99	96.76	22.373				
8,400.00	6,961.41	8,003.92	6,941.53	53.93	49.10	89.47	-109.24	-0.56		2,163.97	2,063.37	100.59	21.512				
8,500.00	6,961.66	8,103.91	6,941.80	55.59	51.14	89.47	-109.62	-100.55		2,163.18	2,058.58	104.60	20.681				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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			
8,600.00	6,961.91	8,203.91	6,942.06	57.37	53.27	89.47	-109.99	-200.55	2,162.40	2,053.64	108.76	19.883			
8,700.00	6,962.16	8,303.91	6,942.33	59.27	55.46	89.47	-110.37	-300.54	2,161.61	2,048.56	113.05	19.121			
8,800.00	6,962.42	8,403.90	6,942.59	61.26	57.71	89.47	-110.74	-400.54	2,160.83	2,043.36	117.47	18.395			
8,900.00	6,962.67	8,503.90	6,942.86	63.34	60.01	89.47	-111.12	-500.54	2,160.04	2,038.05	121.99	17.707			
9,000.00	6,962.92	8,603.90	6,943.13	65.49	62.36	89.47	-111.49	-600.53	2,159.26	2,032.64	126.61	17.054			
9,100.00	6,963.17	8,703.89	6,943.39	67.70	64.75	89.47	-111.87	-700.53	2,158.47	2,027.15	131.32	16.437			
9,200.00	6,963.42	8,803.89	6,943.66	69.97	67.17	89.47	-112.24	-800.52	2,157.69	2,021.58	136.11	15.853			
9,300.00	6,963.68	8,903.89	6,943.92	72.28	69.63	89.47	-112.62	-900.52	2,156.90	2,015.94	140.96	15.302			
9,400.00	6,963.93	9,003.89	6,944.19	74.64	72.12	89.47	-112.99	-1,000.52	2,156.12	2,010.24	145.88	14.780			
9,500.00	6,964.18	9,103.88	6,944.46	77.04	74.63	89.47	-113.37	-1,100.51	2,155.33	2,004.48	150.85	14.288			
9,600.00	6,964.43	9,203.88	6,944.72	79.48	77.17	89.47	-113.75	-1,200.51	2,154.55	1,998.67	155.88	13.822			
9,700.00	6,964.68	9,303.88	6,944.99	81.94	79.73	89.47	-114.12	-1,300.50	2,153.76	1,992.81	160.95	13.382			
9,800.00	6,964.94	9,403.87	6,945.25	84.43	82.31	89.48	-114.50	-1,400.50	2,152.98	1,986.92	166.06	12.965			
9,900.00	6,965.19	9,503.87	6,945.52	86.95	84.91	89.48	-114.87	-1,500.49	2,152.19	1,980.98	171.21	12.570			
10,000.00	6,965.44	9,603.87	6,945.79	89.49	87.53	89.48	-115.25	-1,600.49	2,151.41	1,975.01	176.40	12.196			
10,100.00	6,965.69	9,703.86	6,946.05	92.05	90.16	89.48	-115.62	-1,700.49	2,150.62	1,969.00	181.62	11.841			
10,200.00	6,965.94	9,803.86	6,946.32	94.63	92.80	89.48	-116.00	-1,800.48	2,149.84	1,962.97	186.87	11.505			
10,300.00	6,966.19	9,903.86	6,946.58	97.22	95.45	89.48	-116.37	-1,900.48	2,149.05	1,956.91	192.14	11.185			
10,400.00	6,966.45	10,003.85	6,946.85	99.83	98.12	89.48	-116.75	-2,000.47	2,148.27	1,950.83	197.44	10.881			
10,500.00	6,966.70	10,103.85	6,947.12	102.46	100.80	89.48	-117.12	-2,100.47	2,147.48	1,944.72	202.76	10.591			
10,600.00	6,966.95	10,203.85	6,947.38	105.09	103.49	89.48	-117.50	-2,200.47	2,146.70	1,938.59	208.11	10.315			
10,700.00	6,967.20	10,303.85	6,947.65	107.74	106.18	89.48	-117.87	-2,300.46	2,145.91	1,932.44	213.47	10.052			
10,800.00	6,967.45	10,403.84	6,947.92	110.41	108.89	89.48	-118.25	-2,400.46	2,145.13	1,926.27	218.85	9.802			
10,900.00	6,967.71	10,503.84	6,948.18	113.08	111.60	89.48	-118.62	-2,500.45	2,144.34	1,920.09	224.25	9.562			
11,000.00	6,967.96	10,603.84	6,948.45	115.76	114.32	89.48	-119.00	-2,600.45	2,143.56	1,913.89	229.66	9.333			
11,100.00	6,968.21	10,703.83	6,948.71	118.45	117.04	89.48	-119.37	-2,700.44	2,142.77	1,907.68	235.09	9.115			
11,200.00	6,968.46	10,803.83	6,948.98	121.15	119.78	89.48	-119.75	-2,800.44	2,141.99	1,901.45	240.53	8.905			
11,300.00	6,968.71	10,903.83	6,949.25	123.85	122.51	89.48	-120.13	-2,900.44	2,141.20	1,895.21	245.99	8.705			
11,400.00	6,968.97	11,003.82	6,949.51	126.56	125.26	89.48	-120.50	-3,000.43	2,140.42	1,888.96	251.45	8.512			
11,500.00	6,969.22	11,103.82	6,949.78	129.28	128.00	89.48	-120.88	-3,100.43	2,139.63	1,882.70	256.93	8.328			
11,600.00	6,969.47	11,203.82	6,950.04	132.01	130.76	89.48	-121.25	-3,200.42	2,138.85	1,876.43	262.42	8.151			
11,700.00	6,969.72	11,303.81	6,950.31	134.74	133.52	89.48	-121.63	-3,300.42	2,138.06	1,870.15	267.92	7.980			
11,800.00	6,969.97	11,403.81	6,950.58	137.48	136.28	89.48	-122.00	-3,400.42	2,137.28	1,863.86	273.42	7.817			
11,900.00	6,970.22	11,503.81	6,950.84	140.22	139.04	89.48	-122.38	-3,500.41	2,136.49	1,857.56	278.94	7.659			
12,000.00	6,970.48	11,603.81	6,951.11	142.97	141.81	89.48	-122.75	-3,600.41	2,135.71	1,851.25	284.46	7.508			
12,100.00	6,970.73	11,703.80	6,951.37	145.72	144.58	89.48	-123.13	-3,700.40	2,134.92	1,844.93	289.99	7.362			
12,200.00	6,970.98	11,803.80	6,951.64	148.47	147.36	89.48	-123.50	-3,800.40	2,134.14	1,838.61	295.53	7.221			
12,300.00	6,971.23	11,903.80	6,951.91	151.23	150.14	89.48	-123.88	-3,900.40	2,133.35	1,832.28	301.07	7.086			
12,400.00	6,971.48	12,003.79	6,952.17	154.00	152.92	89.48	-124.25	-4,000.39	2,132.57	1,825.94	306.62	6.955			
12,500.00	6,971.74	12,103.79	6,952.44	156.76	155.71	89.48	-124.63	-4,100.39	2,131.78	1,819.60	312.18	6.829			
12,600.00	6,971.99	12,203.79	6,952.70	159.53	158.49	89.48	-125.00	-4,200.38	2,131.00	1,813.25	317.74	6.707			
12,700.00	6,972.24	12,303.78	6,952.97	162.31	161.28	89.48	-125.38	-4,300.38	2,130.21	1,806.90	323.31	6.589			
12,800.00	6,972.49	12,403.78	6,953.24	165.09	164.08	89.48	-125.76	-4,400.37	2,129.43	1,800.54	328.89	6.475			
12,900.00	6,972.74	12,503.78	6,953.50	167.86	166.87	89.48	-126.13	-4,500.37	2,128.64	1,794.18	334.46	6.364			
13,002.01	6,973.00	12,605.79	6,953.77	170.70	169.72	89.48	-126.51	-4,602.38	2,127.84	1,787.68	340.16	6.255 SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.53	149.73	1.39	149.73					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	149.73	1.39	149.73	143.16	6.57	22.792		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	149.73	1.39	149.73	143.06	6.67	22.435		
300.00	300.00	300.00	300.00	3.44	3.44	0.53	149.73	1.39	149.73	142.84	6.89	21.732 CC, ES		
400.00	399.98	400.43	400.41	3.60	3.60	-148.53	149.56	3.14	151.08	143.88	7.20	20.993		
500.00	499.84	500.71	500.54	3.79	3.80	-147.56	149.05	8.39	155.13	147.55	7.59	20.452		
600.00	599.45	600.69	600.13	4.02	4.04	-146.05	148.21	17.08	161.98	153.92	8.06	20.105		
700.00	698.70	700.21	698.91	4.29	4.31	-144.14	147.05	29.17	171.70	163.10	8.60	19.964		
800.00	797.47	799.15	796.63	4.60	4.62	-141.97	145.56	44.57	184.39	175.18	9.21	20.022		
900.00	895.62	897.37	893.05	4.94	4.96	-139.68	143.77	63.16	200.13	190.25	9.88	20.258		
1,000.00	993.06	1,005.17	988.05	5.31	5.36	-137.39	141.68	84.82	218.95	208.31	10.65	20.569		
1,100.00	1,089.64	1,107.71	1,082.77	5.72	5.78	-135.66	139.48	107.66	240.60	229.16	11.45	21.020		
1,200.00	1,185.27	1,189.29	1,177.04	6.17	6.13	-134.67	137.28	130.39	264.76	252.56	12.20	21.699		
1,300.00	1,279.82	1,285.69	1,270.73	6.65	6.55	-134.26	135.10	152.99	291.31	278.25	13.06	22.310		
1,400.00	1,373.17	1,381.40	1,363.74	7.17	6.99	-134.27	132.94	175.41	320.21	306.26	13.95	22.961		
1,479.95	1,446.87	1,457.32	1,437.54	7.61	7.34	-134.52	131.22	193.21	345.01	330.33	14.68	23.507		
1,500.00	1,465.24	1,476.29	1,455.97	7.72	7.43	-134.69	130.80	197.65	351.42	336.56	14.86	23.643		
1,600.00	1,556.88	1,570.91	1,547.93	8.31	7.88	-135.47	128.66	219.83	383.44	367.65	15.80	24.275		
1,700.00	1,648.52	1,665.52	1,639.89	8.92	8.33	-136.13	126.52	242.00	415.52	398.77	16.75	24.811		
1,800.00	1,740.15	1,760.14	1,731.84	9.54	8.79	-136.70	124.38	264.17	447.63	429.92	17.71	25.269		
1,900.00	1,831.79	1,854.76	1,823.80	10.17	9.26	-137.19	122.24	286.35	479.78	461.09	18.70	25.663		
2,000.00	1,923.43	1,949.37	1,915.75	10.81	9.73	-137.62	120.10	308.52	511.96	492.27	19.69	26.004		
2,100.00	2,015.06	2,043.99	2,007.71	11.46	10.20	-138.00	117.96	330.70	544.16	523.47	20.69	26.301		
2,200.00	2,106.70	2,138.60	2,099.67	12.11	10.68	-138.34	115.82	352.87	576.38	554.68	21.70	26.561		
2,300.00	2,198.34	2,233.22	2,191.62	12.78	11.16	-138.64	113.69	375.04	608.62	585.90	22.72	26.791		
2,400.00	2,289.98	2,327.83	2,283.58	13.44	11.64	-138.91	111.55	397.22	640.87	617.13	23.74	26.994		
2,500.00	2,381.61	2,422.45	2,375.53	14.11	12.13	-139.16	109.41	419.39	673.13	648.36	24.77	27.175		
2,600.00	2,473.25	2,517.07	2,467.49	14.79	12.61	-139.38	107.27	441.56	705.40	679.60	25.80	27.336		
2,700.00	2,564.89	2,611.68	2,559.44	15.47	13.10	-139.58	105.13	463.74	737.68	710.84	26.84	27.482		
2,800.00	2,656.52	2,706.30	2,651.40	16.15	13.59	-139.77	102.99	485.91	769.97	742.09	27.88	27.613		
2,900.00	2,748.16	2,800.91	2,743.36	16.83	14.08	-139.94	100.85	508.08	802.27	773.34	28.93	27.731		
3,000.00	2,839.80	2,904.47	2,835.31	17.52	14.62	-140.10	98.71	530.26	834.57	804.54	30.02	27.796		
3,100.00	2,931.43	3,009.86	2,927.27	18.20	15.17	-140.24	96.58	552.43	866.87	835.74	31.13	27.845		
3,200.00	3,023.07	3,084.76	3,019.22	18.89	15.57	-140.38	94.44	574.61	899.18	867.10	32.08	28.027		
3,300.00	3,114.71	3,179.37	3,111.18	19.58	16.06	-140.50	92.30	596.78	931.50	898.36	33.14	28.110		
3,400.00	3,206.35	3,273.99	3,203.13	20.27	16.56	-140.62	90.16	618.95	963.82	929.62	34.20	28.186		
3,500.00	3,297.98	3,368.61	3,295.09	20.97	17.05	-140.73	88.02	641.13	996.14	960.88	35.25	28.256		
3,600.00	3,389.62	3,463.22	3,387.05	21.66	17.55	-140.84	85.88	663.30	1,028.46	992.15	36.32	28.320		
3,700.00	3,481.26	3,557.84	3,479.00	22.36	18.05	-140.93	83.74	685.47	1,060.79	1,023.41	37.38	28.380		
3,800.00	3,572.89	3,652.45	3,570.96	23.05	18.55	-141.02	81.61	707.65	1,093.12	1,054.68	38.44	28.436		
3,900.00	3,664.53	3,747.07	3,662.91	23.75	19.05	-141.11	79.47	729.82	1,125.46	1,085.95	39.51	28.488		
4,000.00	3,756.17	3,841.68	3,754.87	24.45	19.55	-141.19	77.33	751.99	1,157.79	1,117.22	40.57	28.536		
4,100.00	3,847.80	3,936.30	3,846.83	25.14	20.05	-141.27	75.19	774.17	1,190.13	1,148.49	41.64	28.582		
4,200.00	3,939.44	4,030.92	3,938.78	25.84	20.55	-141.34	73.05	796.34	1,222.47	1,179.76	42.71	28.624		
4,300.00	4,031.08	4,125.53	4,030.74	26.54	21.05	-141.41	70.91	818.52	1,254.81	1,211.03	43.78	28.664		
4,400.00	4,122.72	4,220.15	4,122.69	27.24	21.55	-141.47	68.77	840.69	1,287.15	1,242.30	44.85	28.701		
4,500.00	4,214.35	4,314.76	4,214.65	27.94	22.06	-141.54	66.63	862.86	1,319.49	1,273.57	45.92	28.736		
4,600.00	4,305.99	4,409.38	4,306.60	28.64	22.56	-141.60	64.50	885.04	1,351.84	1,304.85	46.99	28.769		
4,700.00	4,397.63	4,503.99	4,398.56	29.35	23.06	-141.65	62.36	907.21	1,384.18	1,336.12	48.06	28.800		
4,800.00	4,489.26	4,601.39	4,490.52	30.05	23.58	-141.71	60.22	929.38	1,416.53	1,367.38	49.15	28.821		
4,900.00	4,580.90	4,706.78	4,582.47	30.75	24.14	-141.76	58.08	951.56	1,448.88	1,398.60	50.28	28.816		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,787.84	4,674.43	31.45	24.57	-141.81	55.94	973.73	1,481.23	1,429.94	51.28	28.884		
5,100.00	4,764.17	4,882.46	4,766.38	32.16	25.08	-141.85	53.80	995.91	1,513.58	1,461.22	52.36	28.909		
5,200.00	4,855.81	4,977.07	4,858.34	32.86	25.58	-141.90	51.66	1,018.08	1,545.93	1,492.49	53.43	28.932		
5,300.00	4,947.45	5,071.69	4,950.30	33.56	26.08	-141.94	49.52	1,040.25	1,578.28	1,523.77	54.51	28.955		
5,400.00	5,039.08	5,166.30	5,042.25	34.27	26.59	-141.98	47.39	1,062.43	1,610.63	1,555.05	55.58	28.976		
5,500.00	5,130.72	5,260.92	5,134.21	34.97	27.09	-142.02	45.25	1,084.60	1,642.98	1,586.32	56.66	28.997		
5,600.00	5,222.36	5,355.53	5,226.16	35.68	27.60	-142.06	43.11	1,106.77	1,675.34	1,617.60	57.74	29.016		
5,700.00	5,314.00	5,450.15	5,318.12	36.38	28.10	-142.10	40.97	1,128.95	1,707.69	1,648.88	58.82	29.035		
5,800.00	5,405.63	5,544.17	5,409.79	37.08	28.59	-142.18	38.97	1,149.72	1,740.06	1,680.19	59.87	29.065		
5,900.00	5,497.27	5,637.87	5,501.78	37.79	29.05	-142.36	37.26	1,167.44	1,772.48	1,711.60	60.88	29.114		
6,000.00	5,588.91	5,731.10	5,593.84	38.50	29.49	-142.64	35.84	1,182.09	1,804.97	1,743.11	61.85	29.181		
6,100.00	5,680.54	5,823.66	5,685.66	39.20	29.90	-143.00	34.73	1,193.67	1,837.57	1,774.78	62.78	29.268		
6,200.00	5,772.18	5,915.38	5,776.97	39.91	30.29	-143.45	33.90	1,202.24	1,870.33	1,806.66	63.67	29.375		
6,300.00	5,863.82	6,006.08	5,867.49	40.61	30.66	-143.96	33.36	1,207.84	1,903.32	1,838.80	64.52	29.501		
6,400.00	5,955.45	6,095.60	5,956.96	41.32	31.00	-144.54	33.10	1,210.57	1,936.59	1,871.27	65.32	29.648		
6,500.00	6,047.09	6,185.73	6,047.09	42.02	31.33	-145.17	33.07	1,210.89	1,970.21	1,904.12	66.10	29.808		
6,600.00	6,138.73	6,277.37	6,138.73	42.73	31.66	-145.81	33.07	1,210.89	2,004.09	1,937.20	66.88	29.964		
6,700.00	6,230.37	6,369.00	6,230.37	43.44	31.99	-146.43	33.07	1,210.89	2,038.18	1,970.51	67.67	30.119		
6,712.03	6,241.39	6,380.03	6,241.39	43.52	32.02	-146.50	33.07	1,210.89	2,042.30	1,974.53	67.77	30.138		
6,750.00	6,276.38	6,415.02	6,276.38	43.78	32.15	-155.30	33.07	1,210.89	2,055.39	1,987.32	68.06	30.198		
6,800.00	6,322.91	6,461.55	6,322.91	44.09	32.32	-168.12	33.07	1,210.89	2,072.83	2,004.37	68.46	30.280		
6,850.00	6,369.70	6,508.34	6,369.70	44.36	32.49	178.27	33.07	1,210.89	2,090.37	2,021.52	68.84	30.364		
6,900.00	6,416.45	6,555.09	6,416.45	44.59	32.66	164.91	33.07	1,210.89	2,107.89	2,038.66	69.23	30.447		
6,950.00	6,462.87	6,603.37	6,464.71	44.79	32.83	152.74	33.06	1,209.55	2,125.29	2,055.67	69.63	30.524		
7,000.00	6,508.69	6,652.42	6,513.48	44.95	33.00	142.21	33.03	1,204.48	2,142.44	2,072.43	70.02	30.599		
7,050.00	6,553.61	6,702.05	6,562.28	45.09	33.18	133.39	32.99	1,195.55	2,159.24	2,088.82	70.42	30.664		
7,100.00	6,597.37	6,752.33	6,610.87	45.20	33.37	126.09	32.92	1,182.66	2,175.58	2,104.75	70.83	30.715		
7,150.00	6,639.68	6,803.33	6,658.95	45.30	33.57	120.06	32.83	1,165.70	2,191.36	2,120.09	71.27	30.747		
7,200.00	6,680.29	6,855.11	6,706.23	45.39	33.80	115.04	32.72	1,144.61	2,206.48	2,134.74	71.74	30.757		
7,250.00	6,718.96	6,907.72	6,752.35	45.48	34.05	110.84	32.59	1,119.31	2,220.85	2,148.60	72.25	30.739		
7,300.00	6,755.43	6,961.21	6,796.92	45.57	34.33	107.30	32.43	1,089.78	2,234.38	2,161.58	72.81	30.690		
7,350.00	6,789.49	7,015.58	6,839.53	45.67	34.65	104.31	32.25	1,056.04	2,246.98	2,173.57	73.42	30.606		
7,400.00	6,820.93	7,070.84	6,879.73	45.77	35.01	101.77	32.06	1,018.15	2,258.57	2,184.48	74.09	30.483		
7,450.00	6,849.55	7,126.96	6,917.04	45.89	35.42	99.63	31.84	976.25	2,269.08	2,194.24	74.84	30.319		
7,500.00	6,875.17	7,183.89	6,950.97	46.02	35.88	97.82	31.60	930.55	2,278.42	2,202.75	75.67	30.112		
7,550.00	6,897.64	7,241.57	6,981.04	46.17	36.40	96.32	31.34	881.36	2,286.54	2,209.96	76.58	29.859		
7,600.00	6,916.82	7,299.89	7,006.79	46.35	36.97	95.09	31.06	829.06	2,293.38	2,215.80	77.58	29.562		
7,650.00	6,932.60	7,358.73	7,027.82	46.55	37.61	94.12	30.78	774.13	2,298.90	2,220.22	78.68	29.220		
7,700.00	6,944.86	7,417.93	7,043.76	46.78	38.31	93.38	30.48	717.14	2,303.05	2,223.19	79.86	28.840		
7,750.00	6,953.55	7,477.34	7,054.38	47.04	39.04	92.86	30.17	658.70	2,305.81	2,224.70	81.11	28.429		
7,800.00	6,958.59	7,536.79	7,059.50	47.33	39.81	92.56	29.86	599.50	2,307.15	2,224.73	82.42	27.993		
7,842.10	6,960.00	7,582.63	7,060.05	47.60	40.43	92.48	29.62	553.67	2,307.21	2,223.68	83.53	27.622		
7,900.00	6,960.15	7,640.53	7,060.18	48.01	41.26	92.48	29.32	495.77	2,306.67	2,221.56	85.11	27.103		
8,000.00	6,960.40	7,740.53	7,060.41	48.86	42.79	92.48	28.79	395.77	2,305.73	2,217.69	88.04	26.189		
8,100.00	6,960.65	7,840.52	7,060.64	49.87	44.45	92.49	28.27	295.78	2,304.80	2,213.56	91.24	25.261		
8,200.00	6,960.91	7,940.52	7,060.87	51.06	46.23	92.49	27.75	195.78	2,303.87	2,209.19	94.67	24.335		
8,300.00	6,961.16	8,040.51	7,061.10	52.41	48.11	92.49	27.22	95.79	2,302.93	2,204.61	98.32	23.423		
8,400.00	6,961.41	8,140.51	7,061.34	53.93	50.09	92.49	26.70	-4.20	2,302.00	2,199.85	102.15	22.535		
8,500.00	6,961.66	8,240.51	7,061.57	55.59	52.15	92.49	26.17	-104.20	2,301.07	2,194.91	106.16	21.676		
8,600.00	6,961.91	8,340.50	7,061.80	57.37	54.28	92.49	25.65	-204.19	2,300.13	2,189.82	110.31	20.851		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9B-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,440.50	7,062.03	59.27	56.47	92.49	25.13	-304.19	2,299.20	2,184.60	114.60	20.062		
8,800.00	6,962.42	8,540.49	7,062.26	61.26	58.72	92.49	24.60	-404.18	2,298.26	2,179.25	119.01	19.311		
8,900.00	6,962.67	8,640.49	7,062.49	63.34	61.03	92.49	24.08	-504.17	2,297.33	2,173.80	123.53	18.598		
9,000.00	6,962.92	8,740.48	7,062.72	65.49	63.38	92.49	23.55	-604.17	2,296.40	2,168.26	128.14	17.921		
9,100.00	6,963.17	8,840.48	7,062.95	67.70	65.77	92.49	23.03	-704.16	2,295.46	2,162.63	132.84	17.281		
9,200.00	6,963.42	8,940.47	7,063.18	69.97	68.19	92.49	22.51	-804.16	2,294.53	2,156.92	137.61	16.674		
9,300.00	6,963.68	9,040.47	7,063.41	72.28	70.65	92.49	21.98	-904.15	2,293.60	2,151.14	142.45	16.101		
9,400.00	6,963.93	9,140.47	7,063.64	74.64	73.14	92.49	21.46	-1,004.14	2,292.66	2,145.31	147.36	15.559		
9,500.00	6,964.18	9,240.46	7,063.87	77.04	75.65	92.49	20.93	-1,104.14	2,291.73	2,139.41	152.32	15.046		
9,600.00	6,964.43	9,340.46	7,064.10	79.48	78.19	92.49	20.41	-1,204.13	2,290.80	2,133.46	157.33	14.560		
9,700.00	6,964.68	9,440.45	7,064.33	81.94	80.75	92.49	19.89	-1,304.13	2,289.86	2,127.47	162.39	14.101		
9,800.00	6,964.94	9,540.45	7,064.56	84.43	83.32	92.49	19.36	-1,404.12	2,288.93	2,121.44	167.49	13.666		
9,900.00	6,965.19	9,640.44	7,064.79	86.95	85.92	92.49	18.84	-1,504.11	2,288.00	2,115.36	172.63	13.254		
10,000.00	6,965.44	9,740.44	7,065.02	89.49	88.53	92.49	18.31	-1,604.11	2,287.06	2,109.26	177.81	12.863		
10,100.00	6,965.69	9,840.44	7,065.25	92.05	91.16	92.49	17.79	-1,704.10	2,286.13	2,103.12	183.01	12.492		
10,200.00	6,965.94	9,940.43	7,065.48	94.63	93.80	92.50	17.27	-1,804.10	2,285.19	2,096.95	188.25	12.139		
10,300.00	6,966.19	10,040.43	7,065.72	97.22	96.45	92.50	16.74	-1,904.09	2,284.26	2,090.75	193.51	11.804		
10,400.00	6,966.45	10,140.42	7,065.95	99.83	99.12	92.50	16.22	-2,004.08	2,283.33	2,084.53	198.80	11.486		
10,500.00	6,966.70	10,240.42	7,066.18	102.46	101.79	92.50	15.69	-2,104.08	2,282.39	2,078.28	204.11	11.182		
10,600.00	6,966.95	10,340.41	7,066.41	105.09	104.48	92.50	15.17	-2,204.07	2,281.46	2,072.02	209.44	10.893		
10,700.00	6,967.20	10,440.41	7,066.64	107.74	107.17	92.50	14.65	-2,304.07	2,280.53	2,065.73	214.79	10.617		
10,800.00	6,967.45	10,540.41	7,066.87	110.41	109.87	92.50	14.12	-2,404.06	2,279.59	2,059.43	220.16	10.354		
10,900.00	6,967.71	10,640.40	7,067.10	113.08	112.58	92.50	13.60	-2,504.05	2,278.66	2,053.11	225.55	10.103		
11,000.00	6,967.96	10,740.40	7,067.33	115.76	115.30	92.50	13.07	-2,604.05	2,277.73	2,046.77	230.95	9.862		
11,100.00	6,968.21	10,840.39	7,067.56	118.45	118.02	92.50	12.55	-2,704.04	2,276.79	2,040.42	236.37	9.632		
11,200.00	6,968.46	10,940.39	7,067.79	121.15	120.75	92.50	12.03	-2,804.04	2,275.86	2,034.06	241.80	9.412		
11,300.00	6,968.71	11,040.38	7,068.02	123.85	123.49	92.50	11.50	-2,904.03	2,274.92	2,027.68	247.25	9.201		
11,400.00	6,968.97	11,140.38	7,068.25	126.56	126.23	92.50	10.98	-3,004.02	2,273.99	2,021.29	252.70	8.999		
11,500.00	6,969.22	11,240.37	7,068.48	129.28	128.97	92.50	10.45	-3,104.02	2,273.06	2,014.89	258.17	8.805		
11,600.00	6,969.47	11,340.37	7,068.71	132.01	131.72	92.50	9.93	-3,204.01	2,272.12	2,008.48	263.65	8.618		
11,700.00	6,969.72	11,440.37	7,068.94	134.74	134.48	92.50	9.41	-3,304.01	2,271.19	2,002.06	269.13	8.439		
11,800.00	6,969.97	11,540.36	7,069.17	137.48	137.24	92.50	8.88	-3,404.00	2,270.26	1,995.63	274.63	8.267		
11,900.00	6,970.22	11,640.36	7,069.40	140.22	140.00	92.50	8.36	-3,503.99	2,269.32	1,989.19	280.13	8.101		
12,000.00	6,970.48	11,740.35	7,069.63	142.97	142.77	92.50	7.83	-3,603.99	2,268.39	1,982.74	285.65	7.941		
12,100.00	6,970.73	11,840.35	7,069.86	145.72	145.54	92.50	7.31	-3,703.98	2,267.46	1,976.29	291.17	7.787		
12,200.00	6,970.98	11,940.34	7,070.10	148.47	148.31	92.51	6.79	-3,803.98	2,266.52	1,969.83	296.70	7.639		
12,300.00	6,971.23	12,040.34	7,070.33	151.23	151.09	92.51	6.26	-3,903.97	2,265.59	1,963.36	302.23	7.496		
12,400.00	6,971.48	12,140.34	7,070.56	154.00	153.87	92.51	5.74	-4,003.96	2,264.66	1,956.88	307.77	7.358		
12,500.00	6,971.74	12,240.33	7,070.79	156.76	156.66	92.51	5.21	-4,103.96	2,263.72	1,950.40	313.32	7.225		
12,600.00	6,971.99	12,340.33	7,071.02	159.53	159.44	92.51	4.69	-4,203.95	2,262.79	1,943.91	318.87	7.096		
12,700.00	6,972.24	12,440.32	7,071.25	162.31	162.23	92.51	4.17	-4,303.95	2,261.85	1,937.42	324.43	6.972		
12,800.00	6,972.49	12,540.32	7,071.48	165.09	165.02	92.51	3.64	-4,403.94	2,260.92	1,930.92	330.00	6.851		
12,900.00	6,972.74	12,640.31	7,071.71	167.86	167.81	92.51	3.12	-4,503.93	2,259.99	1,924.42	335.57	6.735		
13,002.01	6,973.00	12,742.32	7,071.94	170.70	170.66	92.51	2.58	-4,605.94	2,259.04	1,917.78	341.25	6.620 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1														Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	3.28	3.28	0.61	104.92	1.11	104.93						
100.00	100.00	100.00	100.00	3.28	3.28	0.61	104.92	1.11	104.93	98.36	6.57	15.973			
200.00	200.00	200.00	200.00	3.34	3.34	0.61	104.92	1.11	104.93	98.26	6.67	15.722			
300.00	300.00	301.79	301.77	3.44	3.44	1.47	104.02	2.68	104.07	97.18	6.89	15.102			
400.00	399.98	403.41	403.24	3.60	3.60	-145.82	101.32	7.36	103.07	95.87	7.20	14.310			
418.09	418.05	421.77	421.55	3.63	3.64	-145.36	100.63	8.54	103.05	95.78	7.27	14.175 CC, ES			
500.00	499.84	504.83	504.26	3.79	3.81	-143.00	96.82	15.14	103.58	95.97	7.60	13.624			
600.00	599.45	606.01	604.65	4.02	4.06	-139.62	90.56	25.99	105.74	97.66	8.09	13.079			
700.00	698.70	706.90	704.26	4.29	4.35	-135.87	82.56	39.85	109.74	101.10	8.64	12.696			
800.00	797.47	807.44	802.90	4.60	4.68	-131.94	72.84	56.68	115.71	106.43	9.27	12.476			
900.00	895.62	907.32	900.23	4.94	5.05	-128.19	61.63	76.09	123.78	113.81	9.97	12.412			
1,000.00	993.06	1,006.65	996.89	5.31	5.44	-125.83	50.20	95.90	134.23	123.50	10.73	12.509			
1,100.00	1,089.64	1,105.83	1,093.41	5.72	5.86	-124.89	38.78	115.67	146.81	135.28	11.54	12.723			
1,200.00	1,185.27	1,204.75	1,189.67	6.17	6.29	-125.07	27.40	135.39	161.39	149.00	12.39	13.025			
1,300.00	1,279.82	1,303.29	1,285.56	6.65	6.73	-126.06	16.05	155.04	177.99	164.71	13.28	13.404			
1,400.00	1,373.17	1,401.32	1,380.96	7.17	7.19	-127.63	4.77	174.58	196.76	182.56	14.20	13.860			
1,479.95	1,446.87	1,479.26	1,456.80	7.61	7.55	-129.16	-4.20	190.12	213.44	198.49	14.95	14.279			
1,500.00	1,465.24	1,501.25	1,475.77	7.72	7.66	-129.62	-6.44	194.01	217.83	202.67	15.15	14.377			
1,600.00	1,556.88	1,604.05	1,570.36	8.31	8.15	-131.68	-17.63	213.39	239.88	223.75	16.13	14.869			
1,700.00	1,648.52	1,706.84	1,664.95	8.92	8.65	-133.39	-28.82	232.77	262.19	245.06	17.13	15.306			
1,800.00	1,740.15	1,809.64	1,759.55	9.54	9.16	-134.84	-40.01	252.15	284.68	266.54	18.14	15.694			
1,900.00	1,831.79	1,887.57	1,854.14	10.17	9.54	-136.07	-51.20	271.53	307.32	288.29	19.04	16.143			
2,000.00	1,923.43	1,984.77	1,948.74	10.81	10.03	-137.13	-62.39	290.91	330.08	310.04	20.04	16.473			
2,100.00	2,015.06	2,081.98	2,043.33	11.46	10.52	-138.06	-73.58	310.29	352.93	331.89	21.05	16.770			
2,200.00	2,106.70	2,179.18	2,137.92	12.11	11.01	-138.87	-84.77	329.67	375.86	353.80	22.06	17.039			
2,300.00	2,198.34	2,276.39	2,232.52	12.78	11.50	-139.59	-95.96	349.05	398.86	375.78	23.08	17.283			
2,400.00	2,289.98	2,373.59	2,327.11	13.44	12.00	-140.24	-107.15	368.43	421.90	397.80	24.10	17.504			
2,500.00	2,381.61	2,470.80	2,421.71	14.11	12.50	-140.81	-118.34	387.81	444.99	419.86	25.13	17.707			
2,600.00	2,473.25	2,568.00	2,516.30	14.79	13.00	-141.33	-129.53	407.19	468.12	441.96	26.16	17.892			
2,700.00	2,564.89	2,665.21	2,610.89	15.47	13.50	-141.80	-140.72	426.57	491.29	464.09	27.20	18.063			
2,800.00	2,656.52	2,762.41	2,705.49	16.15	14.00	-142.23	-151.90	445.95	514.48	486.24	28.24	18.220			
2,900.00	2,748.16	2,859.62	2,800.08	16.83	14.50	-142.62	-163.09	465.33	537.69	508.42	29.28	18.365			
3,000.00	2,839.80	2,956.82	2,894.68	17.52	15.01	-142.98	-174.28	484.71	560.93	530.61	30.32	18.499			
3,100.00	2,931.43	3,054.03	2,989.27	18.20	15.52	-143.31	-185.47	504.09	584.19	552.82	31.37	18.624			
3,200.00	3,023.07	3,151.23	3,083.86	18.89	16.02	-143.61	-196.66	523.47	607.46	575.05	32.42	18.740			
3,300.00	3,114.71	3,248.44	3,178.46	19.58	16.53	-143.90	-207.85	542.85	630.75	597.29	33.47	18.848			
3,400.00	3,206.35	3,345.64	3,273.05	20.27	17.04	-144.16	-219.04	562.24	654.05	619.54	34.52	18.949			
3,500.00	3,297.98	3,442.85	3,367.64	20.97	17.55	-144.40	-230.23	581.62	677.37	641.80	35.57	19.043			
3,600.00	3,389.62	3,540.05	3,462.24	21.66	18.06	-144.63	-241.42	601.00	700.69	664.07	36.62	19.132			
3,700.00	3,481.26	3,637.26	3,556.83	22.36	18.57	-144.84	-252.61	620.38	724.03	686.35	37.68	19.216			
3,800.00	3,572.89	3,734.46	3,651.43	23.05	19.08	-145.04	-263.80	639.76	747.37	708.64	38.74	19.294			
3,900.00	3,664.53	3,831.67	3,746.02	23.75	19.59	-145.23	-274.99	659.14	770.73	730.93	39.79	19.368			
4,000.00	3,756.17	3,928.87	3,840.61	24.45	20.10	-145.41	-286.18	678.52	794.09	753.23	40.85	19.438			
4,100.00	3,847.80	4,026.08	3,935.21	25.14	20.62	-145.57	-297.36	697.90	817.45	775.54	41.91	19.504			
4,200.00	3,939.44	4,123.28	4,029.80	25.84	21.13	-145.73	-308.55	717.28	840.83	797.85	42.97	19.567			
4,300.00	4,031.08	4,220.49	4,124.40	26.54	21.64	-145.88	-319.74	736.66	864.20	820.17	44.03	19.627			
4,400.00	4,122.72	4,317.69	4,218.99	27.24	22.15	-146.02	-330.93	756.04	887.59	842.49	45.09	19.683			
4,500.00	4,214.35	4,414.90	4,313.58	27.94	22.67	-146.16	-342.12	775.42	910.98	864.82	46.16	19.737			
4,600.00	4,305.99	4,512.10	4,408.18	28.64	23.18	-146.28	-353.31	794.80	934.37	887.15	47.22	19.788			
4,700.00	4,397.63	4,609.31	4,502.77	29.35	23.70	-146.40	-364.50	814.18	957.77	909.48	48.28	19.836			
4,800.00	4,489.26	4,706.51	4,597.37	30.05	24.21	-146.52	-375.69	833.56	981.17	931.82	49.35	19.883			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 33N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,580.90	4,803.72	4,691.96	30.75	24.73	-146.63	-386.88	852.94	1,004.57	954.16	50.41	19.927		
5,000.00	4,672.54	4,900.92	4,786.55	31.45	25.24	-146.73	-398.07	872.32	1,027.98	976.50	51.48	19.969		
5,100.00	4,764.17	5,001.88	4,881.15	32.16	25.78	-146.83	-409.26	891.70	1,051.39	998.83	52.56	20.002		
5,200.00	4,855.81	5,104.67	4,975.74	32.86	26.32	-146.93	-420.45	911.08	1,074.80	1,021.15	53.66	20.031		
5,300.00	4,947.45	5,207.47	5,070.34	33.56	26.87	-147.02	-431.64	930.46	1,098.22	1,043.47	54.75	20.057		
5,400.00	5,039.08	5,289.74	5,164.93	34.27	27.30	-147.11	-442.83	949.84	1,121.64	1,065.89	55.74	20.121		
5,500.00	5,130.72	5,386.94	5,259.52	34.97	27.82	-147.19	-454.01	969.22	1,145.06	1,088.25	56.81	20.155		
5,600.00	5,222.36	5,484.15	5,354.12	35.68	28.33	-147.27	-465.20	988.60	1,168.48	1,110.60	57.88	20.188		
5,700.00	5,314.00	5,581.35	5,448.71	36.38	28.85	-147.35	-476.39	1,007.98	1,191.91	1,132.96	58.95	20.220		
5,800.00	5,405.63	5,678.56	5,543.31	37.08	29.37	-147.43	-487.58	1,027.36	1,215.34	1,155.32	60.02	20.250		
5,900.00	5,497.27	5,775.76	5,637.90	37.79	29.88	-147.50	-498.77	1,046.74	1,238.77	1,177.68	61.08	20.279		
6,000.00	5,588.91	5,872.97	5,732.49	38.50	30.40	-147.57	-509.96	1,066.12	1,262.20	1,200.04	62.15	20.308		
6,100.00	5,680.54	5,970.17	5,827.09	39.20	30.92	-147.63	-521.15	1,085.50	1,285.63	1,222.41	63.22	20.335		
6,200.00	5,772.18	6,067.38	5,921.68	39.91	31.43	-147.70	-532.34	1,104.88	1,309.07	1,244.77	64.29	20.361		
6,300.00	5,863.82	6,164.58	6,016.28	40.61	31.95	-147.76	-543.53	1,124.27	1,332.50	1,267.14	65.36	20.386		
6,400.00	5,955.45	6,261.79	6,110.87	41.32	32.47	-147.82	-554.72	1,143.65	1,355.94	1,289.51	66.43	20.411		
6,500.00	6,047.09	6,358.99	6,205.46	42.02	32.98	-147.88	-565.91	1,163.03	1,379.38	1,311.88	67.50	20.434		
6,600.00	6,138.73	6,456.20	6,300.06	42.73	33.50	-147.93	-577.10	1,182.41	1,402.82	1,334.25	68.57	20.457		
6,700.00	6,230.37	6,551.17	6,392.61	43.44	34.00	-148.02	-588.29	1,200.63	1,426.29	1,356.67	69.61	20.489		
6,712.03	6,241.39	6,562.02	6,403.28	43.52	34.05	-148.05	-589.25	1,202.19	1,429.13	1,359.41	69.72	20.498		
6,750.00	6,276.38	6,596.13	6,436.96	43.78	34.21	-156.34	-593.09	1,205.91	1,438.20	1,368.15	70.06	20.529		
6,800.00	6,322.91	6,640.81	6,481.31	44.09	34.39	-168.58	-598.04	1,208.03	1,450.39	1,379.94	70.46	20.586		
6,850.00	6,369.70	6,685.26	6,525.48	44.36	34.55	-178.30	-602.82	1,207.03	1,462.78	1,391.97	70.82	20.655		
6,900.00	6,416.45	6,729.53	6,569.31	44.59	34.70	-165.32	-607.44	1,202.96	1,475.30	1,404.14	71.16	20.733		
6,950.00	6,462.87	6,773.67	6,612.64	44.79	34.83	-153.44	-611.87	1,195.87	1,487.85	1,416.37	71.49	20.813		
7,000.00	6,508.69	6,817.73	6,655.32	44.95	34.97	-143.20	-616.11	1,185.80	1,500.37	1,428.56	71.82	20.892		
7,050.00	6,553.61	6,861.76	6,697.18	45.09	35.11	-134.66	-620.12	1,172.80	1,512.78	1,440.62	72.16	20.966		
7,100.00	6,597.37	6,905.80	6,738.08	45.20	35.26	-127.62	-623.90	1,156.92	1,524.99	1,452.48	72.51	21.031		
7,150.00	6,639.68	6,949.90	6,777.85	45.30	35.42	-121.82	-627.44	1,138.22	1,536.94	1,464.05	72.89	21.086		
7,200.00	6,680.29	6,994.11	6,816.34	45.39	35.59	-117.02	-630.72	1,116.74	1,548.55	1,475.25	73.30	21.126		
7,250.00	6,718.96	7,038.46	6,853.39	45.48	35.78	-113.01	-633.72	1,092.56	1,559.76	1,486.01	73.75	21.149		
7,300.00	6,755.43	7,083.00	6,888.83	45.57	35.98	-109.65	-636.44	1,065.74	1,570.49	1,496.24	74.24	21.153		
7,350.00	6,789.49	7,127.77	6,922.50	45.67	36.20	-106.81	-638.84	1,036.34	1,580.68	1,505.89	74.79	21.136		
7,400.00	6,820.93	7,172.80	6,954.21	45.77	36.45	-104.41	-640.93	1,004.46	1,590.28	1,514.89	75.39	21.094		
7,450.00	6,849.55	7,218.11	6,983.80	45.89	36.72	-102.38	-642.68	970.19	1,599.22	1,523.16	76.06	21.026		
7,500.00	6,875.17	7,263.75	7,011.07	46.02	37.03	-100.67	-644.07	933.65	1,607.46	1,530.67	76.80	20.931		
7,550.00	6,897.64	7,309.72	7,035.86	46.17	37.36	-99.26	-645.11	894.95	1,614.95	1,537.34	77.61	20.808		
7,600.00	6,916.82	7,356.07	7,057.97	46.35	37.74	-98.10	-645.76	854.24	1,621.64	1,543.13	78.50	20.657		
7,650.00	6,932.60	7,402.79	7,077.23	46.55	38.15	-97.18	-646.02	811.68	1,627.49	1,548.01	79.48	20.478		
7,700.00	6,944.86	7,449.90	7,093.46	46.78	38.59	-96.49	-645.87	767.47	1,632.47	1,551.95	80.52	20.273		
7,750.00	6,953.55	7,497.41	7,106.50	47.04	39.08	-96.01	-645.31	721.80	1,636.55	1,554.91	81.65	20.044		
7,800.00	6,958.59	7,545.32	7,116.18	47.33	39.61	-95.73	-644.34	674.90	1,639.71	1,556.88	82.83	19.795		
7,842.10	6,960.00	7,585.97	7,121.63	47.60	40.08	-95.66	-643.18	634.64	1,641.64	1,557.76	83.88	19.572		
7,900.00	6,960.15	7,642.40	7,124.93	48.01	40.75	-95.76	-641.10	578.36	1,643.86	1,558.50	85.36	19.259		
8,000.00	6,960.40	7,742.16	7,125.22	48.86	42.07	-95.75	-636.81	478.70	1,647.74	1,559.61	88.13	18.698		
8,100.00	6,960.65	7,842.08	7,125.46	49.87	43.53	-95.74	-632.50	378.87	1,651.62	1,560.47	91.15	18.119		
8,200.00	6,960.91	7,942.00	7,125.70	51.06	45.13	-95.72	-628.19	279.04	1,655.50	1,561.07	94.43	17.532		
8,300.00	6,961.16	8,041.93	7,125.94	52.41	46.85	-95.71	-623.88	179.20	1,659.38	1,561.45	97.93	16.945		
8,400.00	6,961.41	8,141.85	7,126.18	53.93	48.69	-95.70	-619.57	79.37	1,663.26	1,561.64	101.63	16.366		
8,500.00	6,961.66	8,241.78	7,126.42	55.59	50.62	-95.68	-615.27	-20.46	1,667.15	1,561.64	105.51	15.801		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	6,961.91	8,341.70	7,126.66	57.37	52.65	95.67	-610.96	-120.29	1,671.03	1,561.48	109.54	15.254		
8,700.00	6,962.16	8,441.62	7,126.90	59.27	54.75	95.65	-606.65	-220.12	1,674.91	1,561.18	113.73	14.728		
8,800.00	6,962.42	8,541.55	7,127.14	61.26	56.92	95.64	-602.34	-319.95	1,678.79	1,560.76	118.04	14.223		
8,900.00	6,962.67	8,641.47	7,127.38	63.34	59.15	95.63	-598.03	-419.78	1,682.68	1,560.22	122.46	13.741		
9,000.00	6,962.92	8,741.40	7,127.79	65.49	63.13	95.61	-593.30	-593.13	1,685.42	1,557.22	128.21	13.146		
9,100.00	6,963.17	8,841.32	7,128.07	67.70	65.84	95.62	-594.32	-708.44	1,684.09	1,550.99	133.10	12.653		
9,200.00	6,963.42	8,941.24	7,128.31	69.97	68.23	95.62	-595.30	-808.42	1,682.70	1,544.88	137.82	12.209		
9,300.00	6,963.68	9,041.16	7,128.55	72.28	70.65	95.63	-596.28	-908.41	1,681.32	1,538.69	142.62	11.789		
9,400.00	6,963.93	9,141.08	7,128.79	74.64	73.10	95.63	-597.26	-1,008.39	1,679.93	1,532.45	147.48	11.391		
9,500.00	6,964.18	9,240.99	7,129.03	77.04	75.58	95.63	-598.24	-1,108.38	1,678.54	1,526.14	152.40	11.014		
9,600.00	6,964.43	9,340.91	7,129.27	79.48	78.09	95.64	-599.22	-1,208.36	1,677.16	1,519.79	157.37	10.657		
9,700.00	6,964.68	9,440.83	7,129.50	81.94	80.63	95.64	-600.21	-1,308.35	1,675.77	1,513.38	162.39	10.319		
9,800.00	6,964.94	9,540.75	7,129.74	84.43	83.18	95.65	-601.19	-1,408.33	1,674.39	1,506.94	167.45	9.999		
9,900.00	6,965.19	9,640.67	7,129.98	86.95	85.75	95.65	-602.17	-1,508.32	1,673.00	1,500.45	172.55	9.696		
10,000.00	6,965.44	9,740.59	7,130.22	89.49	88.34	95.66	-603.15	-1,608.30	1,671.61	1,493.93	177.69	9.408		
10,100.00	6,965.69	9,840.51	7,130.46	92.05	90.95	95.66	-604.13	-1,708.29	1,670.23	1,487.37	182.85	9.134		
10,200.00	6,965.94	9,940.43	7,130.70	94.63	93.57	95.66	-605.11	-1,808.27	1,668.84	1,480.79	188.05	8.874		
10,300.00	6,966.19	10,040.35	7,130.94	97.22	96.21	95.67	-606.10	-1,908.26	1,667.46	1,474.18	193.28	8.627		
10,400.00	6,966.45	10,140.27	7,131.18	99.83	98.86	95.67	-607.08	-2,008.24	1,666.07	1,467.54	198.53	8.392		
10,500.00	6,966.70	10,240.19	7,131.42	102.46	101.51	95.68	-608.06	-2,108.23	1,664.69	1,460.88	203.81	8.168		
10,600.00	6,966.95	10,340.11	7,131.66	105.09	104.18	95.68	-609.04	-2,208.21	1,663.30	1,454.20	209.10	7.954		
10,700.00	6,967.20	10,440.03	7,131.90	107.74	106.86	95.69	-610.02	-2,308.20	1,661.91	1,447.49	214.42	7.751		
10,800.00	6,967.45	10,540.05	7,132.14	110.41	109.55	95.69	-611.01	-2,408.18	1,660.53	1,440.77	219.76	7.556		
10,900.00	6,967.71	10,640.07	7,132.38	113.08	112.25	95.69	-611.99	-2,508.17	1,659.14	1,434.03	225.11	7.370		
11,000.00	6,967.96	10,740.09	7,132.62	115.76	114.96	95.70	-612.97	-2,608.15	1,657.76	1,427.28	230.48	7.193		
11,100.00	6,968.21	10,840.01	7,132.86	118.45	117.67	95.70	-613.95	-2,708.14	1,656.37	1,420.51	235.86	7.023		
11,200.00	6,968.46	10,940.03	7,133.10	121.15	120.39	95.71	-614.93	-2,808.12	1,654.99	1,413.73	241.26	6.860		
11,300.00	6,968.71	11,040.05	7,133.34	123.85	123.11	95.71	-615.91	-2,908.11	1,653.60	1,406.93	246.67	6.704		
11,400.00	6,968.97	11,140.07	7,133.58	126.56	125.84	95.72	-616.90	-3,008.10	1,652.21	1,400.12	252.09	6.554		
11,500.00	6,969.22	11,240.09	7,133.82	129.28	128.58	95.72	-617.88	-3,108.08	1,650.83	1,393.30	257.53	6.410		
11,600.00	6,969.47	11,340.11	7,134.06	132.01	131.32	95.73	-618.86	-3,208.07	1,649.44	1,386.47	262.97	6.272		
11,700.00	6,969.72	11,440.13	7,134.30	134.74	134.07	95.73	-619.84	-3,308.05	1,648.06	1,379.63	268.43	6.140		
11,800.00	6,969.97	11,540.15	7,134.54	137.48	136.82	95.73	-620.82	-3,408.04	1,646.67	1,372.78	273.89	6.012		
11,900.00	6,970.22	11,640.17	7,134.77	140.22	139.57	95.74	-621.80	-3,508.02	1,645.29	1,365.92	279.37	5.889		
12,000.00	6,970.48	11,740.19	7,135.01	142.97	142.33	95.74	-622.79	-3,608.01	1,643.90	1,359.05	284.85	5.771		
12,100.00	6,970.73	11,840.21	7,135.25	145.72	145.10	95.75	-623.77	-3,707.99	1,642.51	1,352.17	290.34	5.657		
12,200.00	6,970.98	11,940.23	7,135.49	148.47	147.86	95.75	-624.75	-3,807.98	1,641.13	1,345.29	295.84	5.547		
12,300.00	6,971.23	12,040.25	7,135.73	151.23	150.63	95.76	-625.73	-3,907.96	1,639.74	1,338.40	301.34	5.441		
12,400.00	6,971.48	12,140.27	7,135.97	154.00	153.41	95.76	-626.71	-4,007.95	1,638.36	1,331.50	306.85	5.339		
12,500.00	6,971.74	12,240.29	7,136.21	156.76	156.18	95.77	-627.70	-4,107.93	1,636.97	1,324.60	312.37	5.240		
12,600.00	6,971.99	12,340.31	7,136.45	159.53	158.96	95.77	-628.68	-4,207.92	1,635.59	1,317.69	317.89	5.145		
12,700.00	6,972.24	12,440.33	7,136.69	162.31	161.74	95.77	-629.66	-4,307.90	1,634.20	1,310.78	323.42	5.053		
12,800.00	6,972.49	12,540.35	7,136.93	165.09	164.53	95.78	-630.64	-4,407.89	1,632.82	1,303.86	328.96	4.964		
12,900.00	6,972.74	12,640.37	7,137.17	167.86	167.32	95.78	-631.62	-4,507.87	1,631.43	1,296.93	334.50	4.877		
13,002.01	6,973.00	12,740.39	7,137.41	170.70	170.16	95.79	-632.62	-4,607.87	1,630.02	1,289.86	340.15	4.792 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.53	59.75	0.56	59.75					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	59.75	0.56	59.75	53.18	6.57	9.095		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	59.75	0.56	59.75	53.07	6.67	8.952		
300.00	300.00	300.00	300.00	3.44	3.44	0.53	59.75	0.56	59.75	52.86	6.89	8.672 CC		
400.00	399.98	401.52	401.50	3.60	3.60	-148.54	58.44	1.80	59.97	52.77	7.20	8.329 ES		
500.00	499.84	503.02	502.85	3.79	3.80	-147.59	54.54	5.52	60.65	53.06	7.60	7.984		
600.00	599.45	604.51	603.93	4.02	4.04	-146.04	48.04	11.71	61.82	53.74	8.08	7.652		
700.00	698.70	705.96	704.60	4.29	4.31	-143.98	38.95	20.36	63.52	54.89	8.63	7.358		
800.00	797.47	807.36	804.71	4.60	4.63	-141.49	27.30	31.46	65.82	56.57	9.25	7.115		
900.00	895.62	908.70	904.14	4.94	4.97	-138.68	13.09	44.99	68.78	58.85	9.93	6.928		
1,000.00	993.06	1,009.98	1,002.74	5.31	5.36	-135.67	-3.64	60.92	72.45	61.78	10.66	6.793		
1,100.00	1,089.64	1,111.19	1,100.39	5.72	5.78	-132.57	-22.87	79.23	76.88	65.42	11.46	6.707		
1,200.00	1,185.27	1,211.24	1,196.28	6.17	6.23	-130.19	-43.55	98.93	82.64	70.33	12.31	6.711		
1,300.00	1,279.82	1,310.91	1,291.78	6.65	6.70	-129.78	-64.21	118.60	90.68	77.46	13.21	6.862		
1,400.00	1,373.17	1,410.35	1,387.06	7.17	7.18	-130.91	-84.82	138.22	100.96	86.82	14.15	7.136		
1,479.95	1,446.87	1,489.61	1,463.00	7.61	7.58	-132.59	-101.25	153.87	110.90	95.99	14.91	7.438		
1,500.00	1,465.24	1,509.45	1,482.02	7.72	7.68	-133.10	-105.36	157.78	113.59	98.49	15.10	7.521		
1,600.00	1,556.88	1,608.42	1,576.84	8.31	8.19	-135.33	-125.87	177.32	127.15	111.08	16.07	7.911		
1,700.00	1,648.52	1,707.38	1,671.67	8.92	8.70	-137.13	-146.38	196.85	140.87	123.81	17.06	8.258		
1,800.00	1,740.15	1,806.35	1,766.50	9.54	9.23	-138.61	-166.89	216.38	154.69	136.64	18.06	8.567		
1,900.00	1,831.79	1,905.32	1,861.33	10.17	9.76	-139.84	-187.40	235.91	168.61	149.54	19.07	8.843		
2,000.00	1,923.43	2,004.29	1,956.16	10.81	10.29	-140.89	-207.91	255.45	182.58	162.50	20.09	9.090		
2,100.00	2,015.06	2,103.26	2,050.98	11.46	10.83	-141.79	-228.43	274.98	196.61	175.50	21.11	9.312		
2,200.00	2,106.70	2,202.22	2,145.81	12.11	11.38	-142.57	-248.94	294.51	210.68	188.53	22.15	9.512		
2,300.00	2,198.34	2,301.19	2,240.64	12.78	11.92	-143.25	-269.45	314.04	224.78	201.59	23.19	9.693		
2,400.00	2,289.98	2,400.16	2,335.47	13.44	12.47	-143.85	-289.96	333.58	238.91	214.67	24.24	9.857		
2,500.00	2,381.61	2,500.87	2,430.30	14.11	13.04	-144.38	-310.47	353.11	253.06	227.76	25.30	10.002		
2,600.00	2,473.25	2,601.91	2,525.12	14.79	13.60	-144.86	-330.98	372.64	267.23	240.87	26.37	10.135		
2,700.00	2,564.89	2,702.94	2,619.95	15.47	14.17	-145.29	-351.49	392.17	281.42	253.98	27.44	10.256		
2,800.00	2,656.52	2,803.97	2,714.78	16.15	14.74	-145.67	-372.00	411.71	295.62	267.11	28.52	10.367		
2,900.00	2,748.16	2,895.00	2,809.61	16.83	15.26	-146.03	-392.51	431.24	309.84	280.30	29.54	10.488		
3,000.00	2,839.80	3,006.04	2,904.44	17.52	15.89	-146.35	-413.03	450.77	324.06	293.39	30.68	10.564		
3,100.00	2,931.43	3,107.07	2,999.26	18.20	16.46	-146.64	-433.54	470.30	338.30	306.54	31.76	10.652		
3,200.00	3,023.07	3,208.10	3,094.09	18.89	17.04	-146.91	-454.05	489.84	352.54	319.69	32.85	10.733		
3,300.00	3,114.71	3,309.13	3,188.92	19.58	17.62	-147.16	-474.56	509.37	366.79	332.85	33.93	10.809		
3,400.00	3,206.35	3,389.83	3,283.75	20.27	18.08	-147.39	-495.07	528.90	381.04	346.12	34.92	10.913		
3,500.00	3,297.98	3,488.80	3,378.58	20.97	18.64	-147.61	-515.58	548.43	395.30	359.30	36.00	10.981		
3,600.00	3,389.62	3,587.77	3,473.40	21.66	19.21	-147.81	-536.09	567.97	409.57	372.49	37.08	11.045		
3,700.00	3,481.26	3,686.74	3,568.23	22.36	19.78	-147.99	-556.60	587.50	423.84	385.67	38.16	11.105		
3,800.00	3,572.89	3,785.70	3,663.06	23.05	20.35	-148.17	-577.11	607.03	438.11	398.86	39.25	11.162		
3,900.00	3,664.53	3,884.67	3,757.89	23.75	20.92	-148.33	-597.63	626.56	452.39	412.05	40.34	11.215		
4,000.00	3,756.17	3,983.64	3,852.72	24.45	21.49	-148.48	-618.14	646.10	466.67	425.25	41.42	11.265		
4,100.00	3,847.80	4,082.61	3,947.54	25.14	22.06	-148.62	-638.65	665.63	480.95	438.44	42.51	11.313		
4,200.00	3,939.44	4,181.57	4,042.37	25.84	22.63	-148.76	-659.16	685.16	495.24	451.64	43.60	11.358		
4,300.00	4,031.08	4,280.54	4,137.20	26.54	23.20	-148.89	-679.67	704.69	509.53	464.84	44.69	11.400		
4,400.00	4,122.72	4,379.51	4,232.03	27.24	23.78	-149.01	-700.18	724.22	523.82	478.04	45.79	11.441		
4,500.00	4,214.35	4,478.48	4,326.86	27.94	24.35	-149.12	-720.69	743.76	538.12	491.24	46.88	11.479		
4,600.00	4,305.99	4,577.44	4,421.68	28.64	24.92	-149.23	-741.20	763.29	552.41	504.44	47.97	11.515		
4,700.00	4,397.63	4,676.41	4,516.51	29.35	25.49	-149.33	-761.71	782.82	566.71	517.65	49.07	11.550		
4,800.00	4,489.26	4,775.38	4,611.34	30.05	26.07	-149.43	-782.23	802.35	581.01	530.85	50.16	11.583		
4,900.00	4,580.90	4,874.35	4,706.17	30.75	26.64	-149.53	-802.74	821.89	595.31	544.06	51.25	11.615		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,973.31	4,801.00	31.45	27.22	-149.61	-823.25	841.42	609.61	557.26	52.35	11.645		
5,100.00	4,764.17	5,072.28	4,895.82	32.16	27.79	-149.70	-843.76	860.95	623.92	570.47	53.45	11.674		
5,200.00	4,855.81	5,171.25	4,990.65	32.86	28.36	-149.78	-864.27	880.48	638.22	583.68	54.54	11.701		
5,300.00	4,947.45	5,270.22	5,085.48	33.56	28.94	-149.86	-884.78	900.02	652.53	596.89	55.64	11.728		
5,400.00	5,039.08	5,369.18	5,180.31	34.27	29.51	-149.93	-905.29	919.55	666.84	610.10	56.74	11.753		
5,500.00	5,130.72	5,468.15	5,275.14	34.97	30.09	-150.00	-925.80	939.08	681.15	623.31	57.84	11.777		
5,600.00	5,222.36	5,567.12	5,369.96	35.68	30.66	-150.07	-946.31	958.61	695.46	636.52	58.93	11.800		
5,700.00	5,314.00	5,666.09	5,464.79	36.38	31.24	-150.14	-966.83	978.15	709.77	649.73	60.03	11.823		
5,800.00	5,405.63	5,765.05	5,559.62	37.08	31.82	-150.20	-987.34	997.68	724.08	662.95	61.13	11.844		
5,900.00	5,497.27	5,864.02	5,654.45	37.79	32.39	-150.26	-1,007.85	1,017.21	738.39	676.16	62.23	11.865		
6,000.00	5,588.91	5,962.99	5,749.28	38.50	32.97	-150.32	-1,028.36	1,036.74	752.71	689.37	63.33	11.885		
6,100.00	5,680.54	6,061.96	5,844.10	39.20	33.54	-150.37	-1,048.87	1,056.28	767.02	702.59	64.43	11.904		
6,200.00	5,772.18	6,160.92	5,938.93	39.91	34.12	-150.43	-1,069.38	1,075.81	781.33	715.80	65.53	11.923		
6,300.00	5,863.82	6,259.89	6,033.76	40.61	34.70	-150.48	-1,089.89	1,095.34	795.65	729.02	66.63	11.941		
6,400.00	5,955.45	6,358.86	6,128.59	41.32	35.27	-150.53	-1,110.40	1,114.87	809.96	742.23	67.73	11.958		
6,500.00	6,047.09	6,457.83	6,223.42	42.02	35.85	-150.58	-1,130.91	1,134.41	824.28	755.45	68.84	11.975		
6,600.00	6,138.73	6,556.79	6,318.24	42.73	36.43	-150.62	-1,151.43	1,153.94	838.60	768.66	69.94	11.991		
6,700.00	6,230.37	6,655.76	6,413.07	43.44	37.00	-150.67	-1,171.94	1,173.47	852.92	781.88	71.04	12.006		
6,712.03	6,241.39	6,667.67	6,424.48	43.52	37.07	-150.67	-1,174.40	1,175.82	854.64	783.47	71.17	12.008		
6,750.00	6,276.38	6,705.23	6,460.47	43.78	37.29	-158.46	-1,182.19	1,183.23	860.08	788.49	71.60	12.013		
6,800.00	6,322.91	6,754.17	6,507.42	44.09	37.57	-169.82	-1,192.34	1,192.56	867.28	795.10	72.17	12.017		
6,850.00	6,369.70	6,802.81	6,554.57	44.36	37.83	-177.97	-1,202.53	1,198.77	874.52	801.80	72.72	12.026		
6,900.00	6,416.45	6,851.83	6,602.41	44.59	38.06	-165.89	-1,212.86	1,201.28	881.77	808.54	73.23	12.042		
6,950.00	6,462.87	6,901.24	6,650.68	44.79	38.25	-154.91	-1,223.27	1,199.99	888.99	815.29	73.70	12.062		
7,000.00	6,508.69	6,951.07	6,699.12	44.95	38.42	-145.55	-1,233.71	1,194.82	896.14	821.98	74.16	12.084		
7,050.00	6,553.61	7,001.33	6,747.42	45.09	38.57	-137.86	-1,244.11	1,185.70	903.17	828.57	74.60	12.106		
7,100.00	6,597.37	7,052.05	6,795.31	45.20	38.71	-131.65	-1,254.40	1,172.57	910.04	834.99	75.05	12.126		
7,150.00	6,639.68	7,103.24	6,842.44	45.30	38.85	-126.64	-1,264.53	1,155.41	916.71	841.20	75.51	12.141		
7,200.00	6,680.29	7,154.91	6,888.50	45.39	38.98	-122.60	-1,274.41	1,134.22	923.12	847.15	75.98	12.150		
7,250.00	6,718.96	7,207.07	6,933.14	45.48	39.13	-119.31	-1,283.97	1,109.02	929.25	852.78	76.47	12.151		
7,300.00	6,755.43	7,259.72	6,976.01	45.57	39.28	-116.61	-1,293.14	1,079.89	935.05	858.05	77.00	12.144		
7,350.00	6,789.49	7,312.85	7,016.74	45.67	39.45	-114.40	-1,301.84	1,046.92	940.48	862.92	77.56	12.126		
7,400.00	6,820.93	7,366.46	7,054.96	45.77	39.64	-112.57	-1,309.99	1,010.25	945.49	867.33	78.16	12.097		
7,450.00	6,849.55	7,420.53	7,090.33	45.89	39.85	-111.06	-1,317.52	970.07	950.07	871.25	78.82	12.054		
7,500.00	6,875.17	7,475.03	7,122.47	46.02	40.10	-109.82	-1,324.34	926.61	954.17	874.63	79.54	11.997		
7,550.00	6,897.64	7,529.93	7,151.07	46.17	40.38	-108.81	-1,330.38	880.15	957.76	877.44	80.32	11.924		
7,600.00	6,916.82	7,585.20	7,175.79	46.35	40.70	-108.00	-1,335.59	831.02	960.82	879.64	81.18	11.836		
7,650.00	6,932.60	7,640.78	7,196.37	46.55	41.07	-107.37	-1,339.89	779.59	963.33	881.22	82.11	11.732		
7,700.00	6,944.86	7,696.62	7,212.54	46.78	41.49	-106.91	-1,343.24	726.26	965.25	882.14	83.12	11.613		
7,750.00	6,953.55	7,752.67	7,224.13	47.04	41.95	-106.59	-1,345.59	671.49	966.59	882.39	84.20	11.480		
7,800.00	6,958.59	7,808.86	7,230.97	47.33	42.47	-106.42	-1,346.92	615.75	967.33	881.97	85.35	11.333		
7,842.10	6,960.00	7,856.24	7,232.99	47.60	42.93	-106.39	-1,347.23	568.43	967.47	881.11	86.36	11.203		
7,900.00	6,960.15	7,914.42	7,233.14	48.01	43.55	-106.39	-1,347.11	510.26	967.36	879.53	87.84	11.013		
8,000.00	6,960.40	8,014.42	7,233.39	48.86	44.75	-106.39	-1,346.89	410.26	967.17	876.59	90.58	10.677		
8,100.00	6,960.65	8,114.41	7,233.64	49.87	46.12	-106.40	-1,346.68	310.26	966.98	873.41	93.58	10.334		
8,200.00	6,960.91	8,214.41	7,233.88	51.06	47.64	-106.40	-1,346.47	210.26	966.79	870.00	96.79	9.989		
8,300.00	6,961.16	8,314.41	7,234.13	52.41	49.30	-106.40	-1,346.26	110.26	966.60	866.40	100.20	9.646		
8,400.00	6,961.41	8,414.41	7,234.38	53.93	51.08	-106.41	-1,346.05	10.26	966.41	862.61	103.80	9.311		
8,500.00	6,961.66	8,514.41	7,234.63	55.59	52.96	-106.41	-1,345.84	-89.74	966.22	858.67	107.55	8.984		
8,600.00	6,961.91	8,614.41	7,234.88	57.37	54.94	-106.41	-1,345.62	-189.74	966.03	854.57	111.46	8.667		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,714.41	7,235.13	59.27	57.00	106.42	-1,345.41	-289.74	965.84	850.35	115.49	8.363		
8,800.00	6,962.42	8,814.41	7,235.38	61.26	59.13	106.42	-1,345.20	-389.74	965.65	846.01	119.64	8.071		
8,900.00	6,962.67	8,914.41	7,235.63	63.34	61.33	106.42	-1,344.99	-489.74	965.46	841.56	123.90	7.792		
9,000.00	6,962.92	9,014.41	7,235.87	65.49	63.58	106.43	-1,344.78	-589.74	965.27	837.02	128.25	7.526		
9,100.00	6,963.17	9,114.41	7,236.12	67.70	65.88	106.43	-1,344.57	-689.74	965.08	832.39	132.69	7.273		
9,200.00	6,963.42	9,214.41	7,236.37	69.97	68.23	106.43	-1,344.35	-789.73	964.88	827.68	137.20	7.032		
9,300.00	6,963.68	9,314.41	7,236.62	72.28	70.62	106.44	-1,344.14	-889.73	964.69	822.90	141.79	6.804		
9,400.00	6,963.93	9,414.41	7,236.87	74.64	73.04	106.44	-1,343.93	-989.73	964.50	818.06	146.44	6.586		
9,500.00	6,964.18	9,514.41	7,237.12	77.04	75.49	106.44	-1,343.72	-1,089.73	964.31	813.17	151.15	6.380		
9,600.00	6,964.43	9,614.41	7,237.37	79.48	77.98	106.44	-1,343.51	-1,189.73	964.12	808.21	155.91	6.184		
9,700.00	6,964.68	9,714.41	7,237.61	81.94	80.49	106.45	-1,343.29	-1,289.73	963.93	803.22	160.72	5.998		
9,800.00	6,964.94	9,814.41	7,237.86	84.43	83.02	106.45	-1,343.08	-1,389.73	963.74	798.17	165.57	5.821		
9,900.00	6,965.19	9,914.41	7,238.11	86.95	85.57	106.45	-1,342.87	-1,489.73	963.55	793.09	170.46	5.653		
10,000.00	6,965.44	10,014.41	7,238.36	89.49	88.15	106.46	-1,342.66	-1,589.73	963.36	787.98	175.38	5.493		
10,100.00	6,965.69	10,114.41	7,238.61	92.05	90.74	106.46	-1,342.45	-1,689.73	963.17	782.82	180.35	5.341		
10,200.00	6,965.94	10,214.41	7,238.86	94.63	93.34	106.46	-1,342.24	-1,789.73	962.98	777.64	185.34	5.196		
10,300.00	6,966.19	10,314.41	7,239.11	97.22	95.97	106.47	-1,342.02	-1,889.73	962.79	772.43	190.36	5.058		
10,400.00	6,966.45	10,414.41	7,239.36	99.83	98.60	106.47	-1,341.81	-1,989.73	962.60	767.19	195.40	4.926		
10,500.00	6,966.70	10,514.41	7,239.60	102.46	101.25	106.47	-1,341.60	-2,089.73	962.41	761.93	200.47	4.801		
10,600.00	6,966.95	10,614.41	7,239.85	105.09	103.91	106.48	-1,341.39	-2,189.72	962.22	756.65	205.57	4.681		
10,700.00	6,967.20	10,714.41	7,240.10	107.74	106.58	106.48	-1,341.18	-2,289.72	962.03	751.35	210.68	4.566		
10,800.00	6,967.45	10,814.41	7,240.35	110.41	109.26	106.48	-1,340.97	-2,389.72	961.84	746.02	215.81	4.457		
10,900.00	6,967.71	10,914.41	7,240.60	113.08	111.95	106.49	-1,340.75	-2,489.72	961.64	740.68	220.96	4.352		
11,000.00	6,967.96	11,014.41	7,240.85	115.76	114.64	106.49	-1,340.54	-2,589.72	961.45	735.32	226.13	4.252		
11,100.00	6,968.21	11,114.41	7,241.10	118.45	117.35	106.49	-1,340.33	-2,689.72	961.26	729.95	231.31	4.156		
11,200.00	6,968.46	11,214.41	7,241.34	121.15	120.06	106.50	-1,340.12	-2,789.72	961.07	724.56	236.51	4.064		
11,300.00	6,968.71	11,314.41	7,241.59	123.85	122.78	106.50	-1,339.91	-2,889.72	960.88	719.16	241.72	3.975		
11,400.00	6,968.97	11,414.41	7,241.84	126.56	125.51	106.50	-1,339.70	-2,989.72	960.69	713.75	246.94	3.890		
11,500.00	6,969.22	11,514.41	7,242.09	129.28	128.24	106.50	-1,339.48	-3,089.72	960.50	708.32	252.18	3.809		
11,600.00	6,969.47	11,614.41	7,242.34	132.01	130.98	106.51	-1,339.27	-3,189.72	960.31	702.89	257.42	3.730		
11,700.00	6,969.72	11,714.41	7,242.59	134.74	133.72	106.51	-1,339.06	-3,289.72	960.12	697.44	262.68	3.655		
11,800.00	6,969.97	11,814.41	7,242.84	137.48	136.47	106.51	-1,338.85	-3,389.72	959.93	691.98	267.95	3.583		
11,900.00	6,970.22	11,914.41	7,243.09	140.22	139.22	106.52	-1,338.64	-3,489.72	959.74	686.52	273.22	3.513		
12,000.00	6,970.48	12,014.41	7,243.33	142.97	141.97	106.52	-1,338.42	-3,589.71	959.55	681.04	278.51	3.445		
12,100.00	6,970.73	12,114.41	7,243.58	145.72	144.73	106.52	-1,338.21	-3,689.71	959.36	675.56	283.80	3.380		
12,200.00	6,970.98	12,214.41	7,243.83	148.47	147.50	106.53	-1,338.00	-3,789.71	959.17	670.07	289.10	3.318		
12,300.00	6,971.23	12,314.41	7,244.08	151.23	150.27	106.53	-1,337.79	-3,889.71	958.98	664.57	294.41	3.257		
12,400.00	6,971.48	12,414.41	7,244.33	154.00	153.04	106.53	-1,337.58	-3,989.71	958.79	659.06	299.72	3.199		
12,500.00	6,971.74	12,514.41	7,244.58	156.76	155.81	106.54	-1,337.37	-4,089.71	958.60	653.55	305.05	3.142		
12,600.00	6,971.99	12,614.41	7,244.83	159.53	158.59	106.54	-1,337.15	-4,189.71	958.41	648.03	310.37	3.088		
12,700.00	6,972.24	12,714.41	7,245.08	162.31	161.37	106.54	-1,336.94	-4,289.71	958.21	642.51	315.71	3.035		
12,800.00	6,972.49	12,814.41	7,245.32	165.09	164.15	106.55	-1,336.73	-4,389.71	958.02	636.98	321.05	2.984		
12,900.00	6,972.74	12,914.41	7,245.57	167.86	166.94	106.55	-1,336.52	-4,489.71	957.83	631.44	326.39	2.935		
13,002.01	6,973.00	13,016.42	7,245.83	170.70	169.78	106.55	-1,336.30	-4,591.72	957.64	625.79	331.85	2.886 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	0.71	44.81	0.56	44.82					
100.00	100.00	100.00	100.00	3.28	3.28	0.71	44.81	0.56	44.82	38.25	6.57	6.822		
200.00	200.00	200.00	200.00	3.34	3.34	0.71	44.81	0.56	44.82	38.14	6.67	6.715		
300.00	300.00	301.11	301.09	3.44	3.44	2.33	43.50	1.77	43.55	36.66	6.89	6.319		
400.00	399.98	402.06	401.90	3.60	3.60	-143.18	39.58	5.39	41.38	34.17	7.21	5.740		
500.00	499.84	502.88	502.32	3.79	3.80	-138.12	33.07	11.41	39.93	32.33	7.61	5.249		
600.00	599.45	603.55	602.22	4.02	4.05	-132.04	23.98	19.82	39.40	31.32	8.09	4.872		
601.49	600.93	605.05	603.70	4.03	4.05	-131.95	23.82	19.96	39.40	31.31	8.10	4.868	CC, ES	
700.00	698.70	704.06	701.47	4.29	4.33	-125.31	12.33	30.58	39.95	31.31	8.64	4.624		
800.00	797.47	804.41	799.94	4.60	4.66	-118.42	-1.83	43.68	41.70	32.43	9.26	4.501		
900.00	895.62	904.59	897.51	4.94	5.03	-111.88	-18.49	59.08	44.68	34.72	9.96	4.484		
1,000.00	993.06	1,004.59	994.06	5.31	5.44	-106.04	-37.61	76.75	48.87	38.13	10.74	4.550		
1,100.00	1,089.64	1,104.42	1,089.65	5.72	5.88	-101.74	-58.71	96.26	54.19	42.59	11.59	4.674		
1,200.00	1,185.27	1,204.22	1,185.15	6.17	6.35	-101.20	-80.01	115.94	60.34	47.84	12.50	4.827		
1,300.00	1,279.82	1,303.94	1,280.57	6.65	6.83	-103.65	-101.28	135.60	67.24	53.79	13.46	4.997		
1,400.00	1,373.17	1,403.44	1,375.78	7.17	7.33	-108.15	-122.51	155.23	75.27	60.83	14.44	5.211		
1,479.95	1,446.87	1,482.76	1,451.68	7.61	7.74	-112.67	-139.43	170.87	82.92	67.68	15.25	5.438		
1,500.00	1,465.24	1,502.62	1,470.68	7.72	7.84	-113.88	-143.67	174.79	85.03	69.58	15.45	5.504		
1,600.00	1,556.88	1,601.68	1,565.47	8.31	8.36	-119.09	-164.80	194.32	96.03	79.57	16.46	5.835		
1,700.00	1,648.52	1,700.73	1,660.25	8.92	8.89	-123.21	-185.93	213.86	107.65	90.18	17.47	6.162		
1,800.00	1,740.15	1,799.79	1,755.03	9.54	9.42	-126.52	-207.07	233.39	119.72	101.23	18.49	6.475		
1,900.00	1,831.79	1,901.16	1,849.81	10.17	9.98	-129.22	-228.20	252.93	132.11	112.59	19.53	6.766		
2,000.00	1,923.43	1,997.90	1,944.59	10.81	10.51	-131.45	-249.33	272.46	144.74	124.20	20.54	7.045		
2,100.00	2,015.06	2,103.05	2,039.37	11.46	11.09	-133.33	-270.47	292.00	157.55	135.94	21.61	7.290		
2,200.00	2,106.70	2,203.99	2,134.16	12.11	11.65	-134.92	-291.60	311.53	170.51	147.84	22.66	7.523		
2,300.00	2,198.34	2,304.94	2,228.94	12.78	12.22	-136.28	-312.73	331.07	183.57	159.85	23.72	7.739		
2,400.00	2,289.98	2,394.12	2,323.72	13.44	12.72	-137.47	-333.87	350.60	196.72	172.00	24.72	7.959		
2,500.00	2,381.61	2,506.83	2,418.50	14.11	13.36	-138.50	-355.00	370.14	209.95	184.10	25.85	8.123		
2,600.00	2,473.25	2,607.78	2,513.28	14.79	13.93	-139.41	-376.13	389.67	223.23	196.32	26.92	8.294		
2,700.00	2,564.89	2,708.72	2,608.07	15.47	14.51	-140.22	-397.26	409.21	236.57	208.58	27.99	8.452		
2,800.00	2,656.52	2,809.67	2,702.85	16.15	15.08	-140.95	-418.40	428.74	249.94	220.88	29.07	8.599		
2,900.00	2,748.16	2,889.39	2,797.63	16.83	15.54	-141.60	-439.53	448.28	263.35	233.32	30.03	8.769		
3,000.00	2,839.80	2,988.44	2,892.41	17.52	16.11	-142.18	-460.66	467.81	276.79	245.69	31.10	8.899		
3,100.00	2,931.43	3,087.50	2,987.19	18.20	16.68	-142.72	-481.80	487.35	290.26	258.08	32.18	9.021		
3,200.00	3,023.07	3,186.55	3,081.98	18.89	17.25	-143.20	-502.93	506.88	303.75	270.50	33.25	9.134		
3,300.00	3,114.71	3,285.61	3,176.76	19.58	17.82	-143.64	-524.06	526.42	317.26	282.93	34.33	9.241		
3,400.00	3,206.35	3,384.66	3,271.54	20.27	18.39	-144.05	-545.20	545.96	330.78	295.37	35.41	9.341		
3,500.00	3,297.98	3,483.72	3,366.32	20.97	18.97	-144.43	-566.33	565.49	344.33	307.83	36.50	9.435		
3,600.00	3,389.62	3,582.77	3,461.10	21.66	19.54	-144.78	-587.46	585.03	357.88	320.30	37.58	9.523		
3,700.00	3,481.26	3,681.83	3,555.89	22.36	20.11	-145.10	-608.59	604.56	371.45	332.78	38.66	9.607		
3,800.00	3,572.89	3,780.88	3,650.67	23.05	20.69	-145.40	-629.73	624.10	385.02	345.27	39.75	9.686		
3,900.00	3,664.53	3,879.94	3,745.45	23.75	21.26	-145.67	-650.86	643.63	398.61	357.77	40.84	9.760		
4,000.00	3,756.17	3,978.99	3,840.23	24.45	21.84	-145.94	-671.99	663.17	412.21	370.28	41.93	9.831		
4,100.00	3,847.80	4,078.04	3,935.01	25.14	22.42	-146.18	-693.13	682.70	425.81	382.79	43.02	9.898		
4,200.00	3,939.44	4,177.10	4,029.79	25.84	22.99	-146.41	-714.26	702.24	439.42	395.31	44.11	9.962		
4,300.00	4,031.08	4,276.15	4,124.58	26.54	23.57	-146.62	-735.39	721.77	453.04	407.83	45.20	10.023		
4,400.00	4,122.72	4,375.21	4,219.36	27.24	24.15	-146.83	-756.53	741.31	466.66	420.36	46.29	10.080		
4,500.00	4,214.35	4,474.26	4,314.14	27.94	24.72	-147.02	-777.66	760.84	480.29	432.90	47.39	10.135		
4,600.00	4,305.99	4,573.32	4,408.92	28.64	25.30	-147.20	-798.79	780.38	493.92	445.44	48.48	10.188		
4,700.00	4,397.63	4,672.37	4,503.70	29.35	25.88	-147.37	-819.92	799.91	507.56	457.98	49.58	10.238		
4,800.00	4,489.26	4,771.43	4,598.49	30.05	26.46	-147.53	-841.06	819.45	521.20	470.53	50.67	10.286		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
4,900.00	4,580.90	4,870.48	4,693.27	30.75	27.04	-147.68	-862.19	838.98	534.84	483.08	51.77	10.331		
5,000.00	4,672.54	4,969.54	4,788.05	31.45	27.62	-147.83	-883.32	858.52	548.49	495.63	52.87	10.375		
5,100.00	4,764.17	5,068.59	4,882.83	32.16	28.20	-147.97	-904.46	878.05	562.15	508.18	53.96	10.417		
5,200.00	4,855.81	5,167.65	4,977.61	32.86	28.78	-148.10	-925.59	897.59	575.80	520.74	55.06	10.457		
5,300.00	4,947.45	5,266.70	5,072.40	33.56	29.36	-148.23	-946.72	917.12	589.46	533.30	56.16	10.496		
5,400.00	5,039.08	5,365.76	5,167.18	34.27	29.94	-148.35	-967.85	936.66	603.12	545.86	57.26	10.533		
5,500.00	5,130.72	5,464.81	5,261.96	34.97	30.52	-148.46	-988.99	956.19	616.78	558.43	58.36	10.569		
5,600.00	5,222.36	5,563.87	5,356.74	35.68	31.10	-148.57	-1,010.12	975.73	630.45	570.99	59.46	10.603		
5,700.00	5,314.00	5,662.92	5,451.52	36.38	31.68	-148.68	-1,031.25	995.26	644.12	583.56	60.56	10.636		
5,800.00	5,405.63	5,761.97	5,546.31	37.08	32.26	-148.78	-1,052.39	1,014.80	657.79	596.13	61.66	10.668		
5,900.00	5,497.27	5,861.03	5,641.09	37.79	32.84	-148.87	-1,073.52	1,034.33	671.46	608.70	62.76	10.699		
6,000.00	5,588.91	5,960.08	5,735.87	38.50	33.42	-148.97	-1,094.65	1,053.87	685.14	621.27	63.86	10.728		
6,100.00	5,680.54	6,059.14	5,830.65	39.20	34.00	-149.06	-1,115.79	1,073.40	698.81	633.85	64.96	10.757		
6,200.00	5,772.18	6,158.19	5,925.43	39.91	34.58	-149.14	-1,136.92	1,092.94	712.49	646.42	66.06	10.785		
6,300.00	5,863.82	6,257.25	6,020.21	40.61	35.16	-149.23	-1,158.05	1,112.47	726.17	659.00	67.17	10.811		
6,400.00	5,955.45	6,356.30	6,115.00	41.32	35.75	-149.31	-1,179.18	1,132.01	739.85	671.58	68.27	10.837		
6,500.00	6,047.09	6,455.36	6,209.78	42.02	36.33	-149.38	-1,200.32	1,151.54	753.53	684.16	69.37	10.862		
6,600.00	6,138.73	6,554.41	6,304.56	42.73	36.91	-149.46	-1,221.45	1,171.08	767.21	696.74	70.48	10.886		
6,700.00	6,230.37	6,653.81	6,399.71	43.44	37.49	-149.55	-1,242.67	1,190.44	780.89	709.32	71.58	10.910		
6,712.03	6,241.39	6,665.94	6,411.40	43.52	37.55	-149.59	-1,245.28	1,192.38	782.53	710.83	71.70	10.914		
6,750.00	6,276.38	6,704.12	6,448.38	43.78	37.76	-157.56	-1,253.55	1,197.01	787.72	715.65	72.07	10.930		
6,800.00	6,322.91	6,754.22	6,497.19	44.09	38.00	-169.38	-1,264.50	1,199.63	794.57	722.06	72.52	10.957		
6,850.00	6,369.70	6,804.11	6,545.83	44.36	38.19	177.92	-1,275.46	1,198.32	801.42	728.51	72.91	10.991		
6,900.00	6,416.45	6,853.81	6,594.03	44.59	38.36	165.37	-1,286.35	1,193.13	808.22	734.93	73.28	11.029		
6,950.00	6,462.87	6,903.33	6,641.51	44.79	38.51	153.93	-1,297.11	1,184.15	814.92	741.28	73.64	11.067		
7,000.00	6,508.69	6,952.67	6,687.99	44.95	38.65	144.11	-1,307.69	1,171.47	821.48	747.50	73.98	11.104		
7,050.00	6,553.61	7,001.86	6,733.23	45.09	38.77	135.98	-1,318.02	1,155.18	827.87	753.53	74.33	11.137		
7,100.00	6,597.37	7,050.91	6,776.98	45.20	38.90	129.35	-1,328.04	1,135.43	834.04	759.34	74.70	11.165		
7,150.00	6,639.68	7,099.83	6,818.99	45.30	39.03	123.95	-1,337.71	1,112.35	839.95	764.86	75.09	11.186		
7,200.00	6,680.29	7,148.62	6,859.05	45.39	39.16	119.52	-1,346.97	1,086.10	845.56	770.06	75.50	11.199		
7,250.00	6,718.96	7,197.30	6,896.94	45.48	39.30	115.87	-1,355.77	1,056.84	850.85	774.90	75.95	11.202		
7,300.00	6,755.43	7,245.88	6,932.46	45.57	39.46	112.84	-1,364.06	1,024.77	855.78	779.33	76.45	11.194		
7,350.00	6,789.49	7,294.37	6,965.43	45.67	39.63	110.32	-1,371.81	990.09	860.31	783.31	76.99	11.174		
7,400.00	6,820.93	7,342.77	6,995.67	45.77	39.82	108.20	-1,378.96	952.99	864.41	786.82	77.59	11.140		
7,450.00	6,849.55	7,391.10	7,023.02	45.89	40.04	106.44	-1,385.48	913.71	868.08	789.81	78.26	11.092		
7,500.00	6,875.17	7,439.35	7,047.35	46.02	40.28	104.97	-1,391.35	872.47	871.27	792.26	79.00	11.028		
7,550.00	6,897.64	7,487.53	7,068.53	46.17	40.55	103.76	-1,396.52	829.51	873.96	794.15	79.82	10.949		
7,600.00	6,916.82	7,535.65	7,086.46	46.35	40.86	102.78	-1,400.97	785.09	876.16	795.44	80.71	10.855		
7,650.00	6,932.60	7,583.72	7,101.05	46.55	41.19	102.02	-1,404.69	739.46	877.83	796.14	81.69	10.746		
7,700.00	6,944.86	7,631.72	7,112.22	46.78	41.57	101.45	-1,407.64	692.87	878.97	796.23	82.74	10.624		
7,750.00	6,953.55	7,679.68	7,119.93	47.04	41.97	101.06	-1,409.82	645.60	879.56	795.71	83.86	10.489		
7,800.00	6,958.59	7,727.58	7,124.14	47.33	42.41	100.85	-1,411.22	597.91	879.62	794.58	85.04	10.344		
7,842.10	6,960.00	7,768.26	7,125.02	47.60	42.80	100.82	-1,411.80	557.26	879.25	793.17	86.07	10.215		
7,900.00	6,960.15	7,826.15	7,125.16	48.01	43.43	100.83	-1,412.38	499.37	878.44	790.86	87.58	10.031		
8,000.00	6,960.40	7,926.14	7,125.40	48.86	44.63	100.84	-1,413.39	399.38	877.05	786.67	90.38	9.704		
8,100.00	6,960.65	8,026.13	7,125.64	49.87	45.99	100.86	-1,414.39	299.40	875.67	782.23	93.44	9.372		
8,200.00	6,960.91	8,126.12	7,125.88	51.06	47.52	100.88	-1,415.39	199.41	874.28	777.55	96.72	9.039		
8,300.00	6,961.16	8,226.11	7,126.12	52.41	49.18	100.89	-1,416.39	99.43	872.89	772.67	100.22	8.710		
8,400.00	6,961.41	8,326.10	7,126.36	53.93	50.96	100.91	-1,417.39	-0.56	871.50	767.60	103.90	8.388		
8,500.00	6,961.66	8,426.09	7,126.60	55.59	52.85	100.93	-1,418.39	-100.54	870.11	762.36	107.75	8.075		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 34N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	8,526.08	7,126.84	57.37	54.84	100.94	-1,419.39	-200.53	868.73	756.98	111.75	7.774		
8,700.00	6,962.16	8,626.08	7,127.08	59.27	56.90	100.96	-1,420.40	-300.51	867.34	751.45	115.88	7.485		
8,800.00	6,962.42	8,726.07	7,127.32	61.26	59.04	100.98	-1,421.40	-400.50	865.95	745.81	120.14	7.208		
8,900.00	6,962.67	8,826.06	7,127.56	63.34	61.24	100.99	-1,422.40	-500.48	864.56	740.06	124.50	6.944		
9,000.00	6,962.92	8,926.05	7,127.80	65.49	63.50	101.01	-1,423.40	-600.47	863.18	734.21	128.96	6.693		
9,100.00	6,963.17	9,026.04	7,128.04	67.70	65.80	101.03	-1,424.40	-700.45	861.79	728.28	133.51	6.455		
9,200.00	6,963.42	9,126.03	7,128.28	69.97	68.15	101.05	-1,425.40	-800.44	860.40	722.27	138.13	6.229		
9,300.00	6,963.68	9,226.02	7,128.52	72.28	70.54	101.06	-1,426.40	-900.42	859.01	716.19	142.83	6.014		
9,400.00	6,963.93	9,326.01	7,128.76	74.64	72.97	101.08	-1,427.41	-1,000.41	857.63	710.04	147.59	5.811		
9,500.00	6,964.18	9,426.00	7,129.00	77.04	75.43	101.10	-1,428.41	-1,100.39	856.24	703.83	152.40	5.618		
9,600.00	6,964.43	9,525.99	7,129.24	79.48	77.91	101.11	-1,429.41	-1,200.37	854.85	697.58	157.27	5.435		
9,700.00	6,964.68	9,625.98	7,129.48	81.94	80.42	101.13	-1,430.41	-1,300.36	853.47	691.27	162.19	5.262		
9,800.00	6,964.94	9,725.97	7,129.72	84.43	82.96	101.15	-1,431.41	-1,400.34	852.08	684.93	167.15	5.098		
9,900.00	6,965.19	9,825.96	7,129.96	86.95	85.51	101.17	-1,432.41	-1,500.33	850.69	678.54	172.15	4.941		
10,000.00	6,965.44	9,925.95	7,130.20	89.49	88.08	101.18	-1,433.41	-1,600.31	849.31	672.11	177.19	4.793		
10,100.00	6,965.69	10,025.94	7,130.44	92.05	90.68	101.20	-1,434.42	-1,700.30	847.92	665.66	182.26	4.652		
10,200.00	6,965.94	10,125.93	7,130.68	94.63	93.28	101.22	-1,435.42	-1,800.28	846.53	659.17	187.36	4.518		
10,300.00	6,966.19	10,225.92	7,130.92	97.22	95.90	101.24	-1,436.42	-1,900.27	845.15	652.66	192.49	4.391		
10,400.00	6,966.45	10,325.91	7,131.16	99.83	98.54	101.26	-1,437.42	-2,000.25	843.76	646.12	197.64	4.269		
10,500.00	6,966.70	10,425.90	7,131.40	102.46	101.19	101.27	-1,438.42	-2,100.24	842.37	639.55	202.82	4.153		
10,600.00	6,966.95	10,525.89	7,131.64	105.09	103.85	101.29	-1,439.42	-2,200.22	840.99	632.97	208.02	4.043		
10,700.00	6,967.20	10,625.88	7,131.88	107.74	106.52	101.31	-1,440.43	-2,300.21	839.60	626.36	213.24	3.937		
10,800.00	6,967.45	10,725.87	7,132.12	110.41	109.19	101.33	-1,441.43	-2,400.19	838.21	619.74	218.48	3.837		
10,900.00	6,967.71	10,825.86	7,132.36	113.08	111.88	101.35	-1,442.43	-2,500.18	836.83	613.10	223.73	3.740		
11,000.00	6,967.96	10,925.85	7,132.60	115.76	114.58	101.36	-1,443.43	-2,600.16	835.44	606.44	229.00	3.648		
11,100.00	6,968.21	11,025.84	7,132.84	118.45	117.28	101.38	-1,444.43	-2,700.15	834.06	599.77	234.29	3.560		
11,200.00	6,968.46	11,125.83	7,133.08	121.15	119.99	101.40	-1,445.43	-2,800.13	832.67	593.08	239.59	3.475		
11,300.00	6,968.71	11,225.82	7,133.31	123.85	122.71	101.42	-1,446.43	-2,900.12	831.29	586.38	244.91	3.394		
11,400.00	6,968.97	11,325.81	7,133.55	126.56	125.43	101.44	-1,447.44	-3,000.10	829.90	579.67	250.23	3.317		
11,500.00	6,969.22	11,425.80	7,133.79	129.28	128.16	101.46	-1,448.44	-3,100.08	828.52	572.95	255.57	3.242		
11,600.00	6,969.47	11,525.79	7,134.03	132.01	130.90	101.48	-1,449.44	-3,200.07	827.13	566.22	260.91	3.170		
11,700.00	6,969.72	11,625.78	7,134.27	134.74	133.64	101.49	-1,450.44	-3,300.05	825.74	559.47	266.27	3.101		
11,800.00	6,969.97	11,725.77	7,134.51	137.48	136.39	101.51	-1,451.44	-3,400.04	824.36	552.72	271.64	3.035		
11,900.00	6,970.22	11,825.76	7,134.75	140.22	139.13	101.53	-1,452.44	-3,500.02	822.97	545.96	277.01	2.971		
12,000.00	6,970.48	11,925.75	7,134.99	142.97	141.89	101.55	-1,453.44	-3,600.01	821.59	539.19	282.39	2.909		
12,100.00	6,970.73	12,025.74	7,135.23	145.72	144.65	101.57	-1,454.45	-3,699.99	820.20	532.42	287.78	2.850		
12,200.00	6,970.98	12,125.73	7,135.47	148.47	147.41	101.59	-1,455.45	-3,799.98	818.82	525.64	293.18	2.793		
12,300.00	6,971.23	12,225.72	7,135.71	151.23	150.17	101.61	-1,456.45	-3,899.96	817.43	518.85	298.59	2.738		
12,400.00	6,971.48	12,325.71	7,135.95	154.00	152.94	101.63	-1,457.45	-3,999.95	816.05	512.05	304.00	2.684		
12,500.00	6,971.74	12,425.70	7,136.19	156.76	155.72	101.65	-1,458.45	-4,099.93	814.67	505.25	309.41	2.633		
12,600.00	6,971.99	12,525.69	7,136.43	159.53	158.49	101.66	-1,459.45	-4,199.92	813.28	498.45	314.83	2.583		
12,700.00	6,972.24	12,625.68	7,136.67	162.31	161.27	101.68	-1,460.45	-4,299.90	811.90	491.64	320.26	2.535		
12,800.00	6,972.49	12,725.67	7,136.91	165.09	164.05	101.70	-1,461.46	-4,399.89	810.51	484.82	325.69	2.489		
12,900.00	6,972.74	12,825.66	7,137.15	167.86	166.83	101.72	-1,462.46	-4,499.87	809.13	478.00	331.13	2.444		
13,002.01	6,973.00	12,927.66	7,137.40	170.70	169.67	101.74	-1,463.48	-4,601.87	807.72	471.04	336.68	2.399 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	180.00	-14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	180.00	-14.93	0.00	14.93	8.36	6.57	2.273		
200.00	200.00	200.00	200.00	3.34	3.34	180.00	-14.93	0.00	14.93	8.26	6.67	2.237	CC, ES	
300.00	300.00	299.50	299.48	3.44	3.44	177.15	-16.45	0.82	16.48	9.59	6.89	2.391		
400.00	399.98	398.87	398.71	3.60	3.59	23.59	-21.01	3.27	19.69	12.47	7.22	2.728		
500.00	499.84	498.11	497.57	3.79	3.79	20.95	-28.57	7.35	23.00	15.36	7.63	3.012		
600.00	599.45	597.24	595.97	4.02	4.03	19.28	-39.14	13.04	26.36	18.22	8.13	3.240		
700.00	698.70	696.25	693.77	4.29	4.31	18.25	-52.68	20.34	29.74	21.04	8.71	3.416		
800.00	797.47	795.15	790.88	4.60	4.63	17.67	-69.16	29.22	33.14	23.80	9.33	3.551		
900.00	895.62	893.93	887.17	4.94	4.98	17.42	-88.56	39.68	36.53	26.53	10.01	3.651		
1,000.00	993.06	992.60	982.53	5.31	5.38	17.40	-110.84	51.68	39.93	29.21	10.72	3.724		
1,100.00	1,089.64	1,091.17	1,076.86	5.72	5.81	17.58	-135.97	65.23	43.31	31.84	11.47	3.776		
1,200.00	1,185.27	1,189.62	1,170.05	6.17	6.27	17.89	-163.91	80.28	46.68	34.43	12.25	3.810		
1,300.00	1,279.82	1,287.97	1,262.00	6.65	6.78	18.32	-194.62	96.83	50.04	36.98	13.06	3.831		
1,400.00	1,373.17	1,386.21	1,352.60	7.17	7.33	18.84	-228.05	114.85	53.39	39.48	13.90	3.840		
1,479.95	1,446.87	1,465.79	1,425.27	7.61	7.79	19.52	-256.61	130.24	55.44	40.82	14.62	3.793		
1,500.00	1,465.24	1,485.84	1,443.57	7.72	7.91	19.78	-263.81	134.12	55.71	40.91	14.80	3.763		
1,600.00	1,556.88	1,585.82	1,534.84	8.31	8.52	21.03	-299.75	153.49	57.07	41.31	15.76	3.621		
1,700.00	1,648.52	1,685.80	1,626.11	8.92	9.14	22.22	-335.69	172.85	58.45	41.70	16.74	3.490		
1,800.00	1,740.15	1,785.79	1,717.38	9.54	9.78	23.35	-371.62	192.22	59.85	42.09	17.76	3.370		
1,900.00	1,831.79	1,885.77	1,808.65	10.17	10.43	24.43	-407.56	211.58	61.28	42.47	18.81	3.259		
2,000.00	1,923.43	1,985.75	1,899.92	10.81	11.08	25.47	-443.50	230.95	62.73	42.85	19.87	3.156		
2,100.00	2,015.06	2,085.74	1,991.19	11.46	11.75	26.45	-479.43	250.32	64.19	43.23	20.96	3.063		
2,200.00	2,106.70	2,185.72	2,082.46	12.11	12.42	27.39	-515.37	269.68	65.68	43.61	22.07	2.976		
2,300.00	2,198.34	2,285.70	2,173.73	12.78	13.09	28.29	-551.31	289.05	67.18	43.99	23.19	2.897		
2,400.00	2,289.98	2,385.69	2,265.00	13.44	13.77	29.15	-587.24	308.42	68.70	44.37	24.33	2.823		
2,500.00	2,381.61	2,485.67	2,356.27	14.11	14.45	29.98	-623.18	327.78	70.23	44.75	25.49	2.756		
2,600.00	2,473.25	2,585.65	2,447.54	14.79	15.13	30.77	-659.12	347.15	71.78	45.13	26.66	2.693		
2,700.00	2,564.89	2,685.64	2,538.81	15.47	15.82	31.52	-695.06	366.52	73.34	45.51	27.83	2.635		
2,800.00	2,656.52	2,785.62	2,630.08	16.15	16.51	32.24	-730.99	385.88	74.91	45.89	29.02	2.581		
2,900.00	2,748.16	2,885.60	2,721.35	16.83	17.20	32.93	-766.93	405.25	76.50	46.27	30.22	2.531		
3,000.00	2,839.80	2,985.59	2,812.62	17.52	17.90	33.60	-802.87	424.61	78.09	46.66	31.43	2.484		
3,100.00	2,931.43	3,085.57	2,903.89	18.20	18.59	34.24	-838.80	443.98	79.70	47.05	32.65	2.441		
3,200.00	3,023.07	3,185.55	2,995.16	18.89	19.29	34.85	-874.74	463.35	81.31	47.43	33.88	2.400		
3,300.00	3,114.71	3,285.54	3,086.42	19.58	19.99	35.44	-910.68	482.71	82.93	47.83	35.11	2.362		
3,400.00	3,206.35	3,385.52	3,177.69	20.27	20.69	36.00	-946.61	502.08	84.57	48.22	36.35	2.327		
3,500.00	3,297.98	3,485.50	3,268.96	20.97	21.39	36.55	-982.55	521.45	86.21	48.61	37.59	2.293		
3,600.00	3,389.62	3,585.49	3,360.23	21.66	22.09	37.07	-1,018.49	540.81	87.85	49.01	38.84	2.262		
3,700.00	3,481.26	3,685.47	3,451.50	22.36	22.79	37.58	-1,054.43	560.18	89.51	49.41	40.10	2.232		
3,800.00	3,572.89	3,785.45	3,542.77	23.05	23.49	38.07	-1,090.36	579.54	91.17	49.80	41.36	2.204		
3,900.00	3,664.53	3,885.44	3,634.04	23.75	24.20	38.53	-1,126.30	598.91	92.83	50.21	42.63	2.178		
4,000.00	3,756.17	3,985.42	3,725.31	24.45	24.90	38.99	-1,162.24	618.28	94.51	50.61	43.90	2.153		
4,100.00	3,847.80	4,085.40	3,816.58	25.14	25.61	39.42	-1,198.17	637.64	96.19	51.01	45.17	2.129		
4,200.00	3,939.44	4,185.39	3,907.85	25.84	26.31	39.85	-1,234.11	657.01	97.87	51.42	46.45	2.107		
4,300.00	4,031.08	4,285.37	3,999.12	26.54	27.02	40.25	-1,270.05	676.38	99.56	51.83	47.73	2.086		
4,400.00	4,122.72	4,385.35	4,090.39	27.24	27.73	40.65	-1,305.98	695.74	101.25	52.23	49.02	2.066		
4,500.00	4,214.35	4,485.34	4,181.66	27.94	28.43	41.03	-1,341.92	715.11	102.95	52.65	50.31	2.047		
4,600.00	4,305.99	4,585.32	4,272.93	28.64	29.14	41.40	-1,377.86	734.47	104.65	53.06	51.60	2.028		
4,700.00	4,397.63	4,685.30	4,364.20	29.35	29.85	41.75	-1,413.80	753.84	106.36	53.47	52.89	2.011		
4,800.00	4,489.26	4,785.29	4,455.47	30.05	30.56	42.10	-1,449.73	773.21	108.07	53.89	54.19	1.994		
4,900.00	4,580.90	4,885.27	4,546.74	30.75	31.27	42.43	-1,485.67	792.57	109.79	54.30	55.49	1.979		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 4N-14C-S - OH - Plan #1														Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,672.54	4,985.25	4,638.01	31.45	31.97	42.76	-1,521.61	811.94	111.51	54.72	56.79	1.964			
5,100.00	4,764.17	5,085.23	4,729.28	32.16	32.68	43.07	-1,557.54	831.31	113.23	55.14	58.09	1.949			
5,200.00	4,855.81	5,185.22	4,820.55	32.86	33.39	43.38	-1,593.48	850.67	114.95	55.56	59.40	1.935			
5,300.00	4,947.45	5,285.20	4,911.82	33.56	34.10	43.67	-1,629.42	870.04	116.68	55.98	60.70	1.922			
5,400.00	5,039.08	5,385.18	5,003.09	34.27	34.81	43.96	-1,665.35	889.40	118.42	56.40	62.01	1.910			
5,500.00	5,130.72	5,485.17	5,094.36	34.97	35.52	44.24	-1,701.29	908.77	120.15	56.83	63.32	1.897			
5,600.00	5,222.36	5,585.15	5,185.63	35.68	36.23	44.51	-1,737.23	928.14	121.89	57.25	64.64	1.886			
5,700.00	5,314.00	5,685.13	5,276.89	36.38	36.94	44.77	-1,773.17	947.50	123.63	57.68	65.95	1.875			
5,800.00	5,405.63	5,785.12	5,368.16	37.08	37.66	45.03	-1,809.10	966.87	125.37	58.10	67.26	1.864			
5,900.00	5,497.27	5,885.10	5,459.43	37.79	38.37	45.28	-1,845.04	986.24	127.11	58.53	68.58	1.853			
6,000.00	5,588.91	5,985.08	5,550.70	38.50	39.08	45.52	-1,880.98	1,005.60	128.86	58.96	69.90	1.844			
6,100.00	5,680.54	6,085.07	5,641.97	39.20	39.79	45.76	-1,916.91	1,024.97	130.61	59.39	71.22	1.834			
6,200.00	5,772.18	6,185.05	5,733.24	39.91	40.50	45.99	-1,952.85	1,044.33	132.36	59.82	72.54	1.825			
6,300.00	5,863.82	6,285.03	5,824.51	40.61	41.21	46.21	-1,988.79	1,063.70	134.12	60.26	73.86	1.816			
6,400.00	5,955.45	6,385.02	5,915.78	41.32	41.92	46.43	-2,024.72	1,083.07	135.87	60.69	75.18	1.807			
6,500.00	6,047.09	6,485.00	6,007.05	42.02	42.64	46.64	-2,060.66	1,102.43	137.63	61.12	76.51	1.799			
6,600.00	6,138.73	6,584.98	6,098.32	42.73	43.35	46.85	-2,096.60	1,121.80	139.39	61.56	77.83	1.791			
6,700.00	6,230.37	6,684.97	6,189.59	43.44	44.06	47.05	-2,132.54	1,141.17	141.15	61.99	79.16	1.783			
6,712.03	6,241.39	6,703.00	6,200.57	43.52	44.19	47.07	-2,136.86	1,143.50	141.36	62.01	79.36	1.781			
6,750.00	6,276.38	6,734.95	6,235.22	43.78	44.42	39.40	-2,150.50	1,150.85	141.68	61.99	79.69	1.778			
6,800.00	6,322.91	6,784.73	6,280.66	44.09	44.77	26.56	-2,168.39	1,160.49	141.10	61.36	79.74	1.769			
6,850.00	6,369.70	6,834.02	6,325.65	44.36	45.12	11.24	-2,186.11	1,170.04	139.74	60.44	79.30	1.762			
6,900.00	6,416.45	6,882.50	6,369.90	44.59	45.47	-5.47	-2,203.53	1,179.43	138.28	59.91	78.37	1.764			
6,942.03	6,455.51	6,922.40	6,406.33	44.76	45.75	-19.76	-2,217.88	1,187.16	137.72	60.42	77.30	1.782			
6,950.00	6,462.87	6,929.87	6,413.15	44.79	45.81	-22.44	-2,220.56	1,188.60	137.74	60.66	77.08	1.787			
7,000.00	6,508.69	6,977.02	6,456.49	44.95	46.12	-38.28	-2,237.62	1,195.87	139.21	63.30	75.90	1.834			
7,050.00	6,553.61	7,025.49	6,501.45	45.09	46.42	-52.29	-2,255.28	1,199.73	142.90	67.66	75.24	1.899			
7,100.00	6,597.37	7,075.39	6,547.89	45.20	46.69	-64.49	-2,273.51	1,199.85	148.68	73.65	75.03	1.982			
7,150.00	6,639.68	7,126.87	6,595.66	45.30	46.92	-75.01	-2,292.24	1,195.88	156.28	81.25	75.03	2.083			
7,200.00	6,680.29	7,180.06	6,644.55	45.39	47.13	-84.04	-2,311.38	1,187.44	165.36	90.44	74.93	2.207			
7,250.00	6,718.96	7,235.12	6,694.29	45.48	47.30	-91.76	-2,330.82	1,174.12	175.58	101.14	74.43	2.359			
7,300.00	6,755.43	7,292.19	6,744.53	45.57	47.45	-98.34	-2,350.43	1,155.51	186.55	113.20	73.35	2.543			
7,350.00	6,789.49	7,351.41	6,794.80	45.67	47.57	-103.95	-2,370.01	1,131.16	197.92	126.35	71.58	2.765			
7,400.00	6,820.93	7,412.89	6,844.55	45.77	47.68	-108.72	-2,389.36	1,100.70	209.37	140.28	69.09	3.030			
7,450.00	6,849.55	7,476.73	6,893.08	45.89	47.79	-112.75	-2,408.18	1,063.78	220.59	154.62	65.97	3.344			
7,500.00	6,875.17	7,542.98	6,939.54	46.02	47.90	-116.14	-2,426.16	1,020.15	231.27	168.91	62.37	3.708			
7,550.00	6,897.64	7,611.64	6,982.98	46.17	48.02	-118.95	-2,442.91	969.74	241.15	182.60	58.56	4.118			
7,600.00	6,916.82	7,682.61	7,022.32	46.35	48.16	-121.26	-2,458.01	912.68	249.97	195.02	54.95	4.549			
7,650.00	6,932.60	7,755.73	7,056.41	46.55	48.33	-123.08	-2,471.02	849.36	257.49	205.41	52.09	4.944			
7,700.00	6,944.86	7,830.71	7,084.14	46.78	48.56	-124.47	-2,481.49	780.53	263.52	212.91	50.61	5.207			
7,750.00	6,953.55	7,907.20	7,104.46	47.04	48.84	-125.44	-2,489.03	707.23	267.87	216.87	51.00	5.252			
7,800.00	6,958.59	7,984.71	7,116.58	47.33	49.18	-126.00	-2,493.33	630.84	270.44	216.95	53.49	5.056			
7,842.10	6,960.00	8,050.38	7,120.01	47.60	49.53	-126.17	-2,494.29	565.30	271.15	214.14	57.01	4.756			
7,900.00	6,960.15	8,107.36	7,120.48	48.01	49.87	-126.21	-2,494.14	508.32	271.41	213.30	58.11	4.671			
8,000.00	6,960.40	8,207.36	7,121.30	48.86	50.59	-126.29	-2,493.86	408.32	271.85	211.40	60.45	4.497			
8,100.00	6,960.65	8,307.36	7,122.11	49.87	51.46	-126.37	-2,493.59	308.33	272.29	209.24	63.05	4.319			
8,200.00	6,960.91	8,407.36	7,122.92	51.06	52.51	-126.45	-2,493.31	208.33	272.73	206.85	65.89	4.140			
8,300.00	6,961.16	8,507.36	7,123.74	52.41	53.73	-126.52	-2,493.04	108.34	273.18	204.26	68.92	3.964			
8,400.00	6,961.41	8,607.35	7,124.55	53.93	55.12	-126.60	-2,492.76	8.34	273.62	201.49	72.13	3.793			
8,500.00	6,961.66	8,707.35	7,125.36	55.59	56.66	-126.68	-2,492.49	-91.65	274.06	198.57	75.49	3.630			

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	6,961.91	8,807.35	7,126.18	57.37	58.35	-126.76	-2,492.21	-191.65	274.51	195.53	78.98	3.476		
8,700.00	6,962.16	8,907.35	7,126.99	59.27	60.15	-126.83	-2,491.94	-291.64	274.95	192.37	82.58	3.329		
8,800.00	6,962.42	9,007.35	7,127.81	61.26	62.07	-126.91	-2,491.67	-391.64	275.40	189.11	86.28	3.192		
8,900.00	6,962.67	9,107.35	7,128.62	63.34	64.08	-126.99	-2,491.39	-491.63	275.84	185.78	90.07	3.063		
9,000.00	6,962.92	9,207.34	7,129.43	65.49	66.16	-127.06	-2,491.12	-591.63	276.29	182.37	93.92	2.942		
9,100.00	6,963.17	9,307.34	7,130.25	67.70	68.32	-127.14	-2,490.84	-691.62	276.73	178.90	97.84	2.828		
9,200.00	6,963.42	9,407.34	7,131.06	69.97	70.54	-127.21	-2,490.57	-791.62	277.18	175.37	101.81	2.723		
9,300.00	6,963.68	9,507.34	7,131.87	72.28	72.82	-127.29	-2,490.29	-891.61	277.63	171.80	105.83	2.623		
9,400.00	6,963.93	9,607.34	7,132.69	74.64	75.14	-127.37	-2,490.02	-991.60	278.08	168.19	109.89	2.530		
9,500.00	6,964.18	9,707.34	7,133.50	77.04	77.50	-127.44	-2,489.74	-1,091.60	278.53	164.54	113.99	2.443		
9,600.00	6,964.43	9,807.33	7,134.31	79.48	79.90	-127.52	-2,489.47	-1,191.59	278.97	160.86	118.12	2.362		
9,700.00	6,964.68	9,907.33	7,135.13	81.94	82.34	-127.59	-2,489.19	-1,291.59	279.42	157.15	122.27	2.285		
9,800.00	6,964.94	10,007.33	7,135.94	84.43	84.80	-127.66	-2,488.92	-1,391.58	279.87	153.42	126.45	2.213		
9,900.00	6,965.19	10,107.33	7,136.76	86.95	87.29	-127.74	-2,488.64	-1,491.58	280.32	149.67	130.65	2.146		
10,000.00	6,965.44	10,207.33	7,137.57	89.49	89.81	-127.81	-2,488.37	-1,591.57	280.77	145.90	134.87	2.082		
10,100.00	6,965.69	10,307.33	7,138.38	92.05	92.34	-127.89	-2,488.10	-1,691.57	281.23	142.12	139.10	2.022		
10,200.00	6,965.94	10,407.32	7,139.20	94.63	94.90	-127.96	-2,487.82	-1,791.56	281.68	138.33	143.35	1.965		
10,300.00	6,966.19	10,507.32	7,140.01	97.22	97.48	-128.03	-2,487.55	-1,891.56	282.13	134.52	147.61	1.911		
10,400.00	6,966.45	10,607.32	7,140.82	99.83	100.07	-128.10	-2,487.27	-1,991.55	282.58	130.70	151.88	1.861		
10,500.00	6,966.70	10,707.32	7,141.64	102.46	102.68	-128.18	-2,487.00	-2,091.55	283.04	126.88	156.16	1.812		
10,600.00	6,966.95	10,807.32	7,142.45	105.09	105.30	-128.25	-2,486.72	-2,191.54	283.49	123.05	160.44	1.767		
10,700.00	6,967.20	10,907.32	7,143.26	107.74	107.93	-128.32	-2,486.45	-2,291.54	283.94	119.21	164.74	1.724		
10,800.00	6,967.45	11,007.31	7,144.08	110.41	110.58	-128.39	-2,486.17	-2,391.53	284.40	115.36	169.03	1.682		
10,900.00	6,967.71	11,107.31	7,144.89	113.08	113.24	-128.47	-2,485.90	-2,491.52	284.85	111.52	173.33	1.643		
11,000.00	6,967.96	11,207.31	7,145.71	115.76	115.90	-128.54	-2,485.62	-2,591.52	285.31	107.67	177.64	1.606		
11,100.00	6,968.21	11,307.31	7,146.52	118.45	118.58	-128.61	-2,485.35	-2,691.51	285.76	103.82	181.94	1.571		
11,200.00	6,968.46	11,407.31	7,147.33	121.15	121.27	-128.68	-2,485.07	-2,791.51	286.22	99.96	186.25	1.537		
11,300.00	6,968.71	11,507.31	7,148.15	123.85	123.96	-128.75	-2,484.80	-2,891.50	286.68	96.11	190.56	1.504		
11,400.00	6,968.97	11,607.30	7,148.96	126.56	126.66	-128.82	-2,484.52	-2,991.50	287.13	92.26	194.88	1.473 Level 3		
11,500.00	6,969.22	11,707.30	7,149.77	129.28	129.37	-128.89	-2,484.25	-3,091.49	287.59	88.40	199.19	1.444 Level 3		
11,600.00	6,969.47	11,807.30	7,150.59	132.01	132.09	-128.96	-2,483.98	-3,191.49	288.05	84.55	203.50	1.415 Level 3		
11,700.00	6,969.72	11,907.30	7,151.40	134.74	134.81	-129.03	-2,483.70	-3,291.48	288.51	80.70	207.81	1.388 Level 3		
11,800.00	6,969.97	12,007.30	7,152.21	137.48	137.54	-129.10	-2,483.43	-3,391.48	288.97	76.85	212.12	1.362 Level 3		
11,900.00	6,970.22	12,107.30	7,153.03	140.22	140.27	-129.17	-2,483.15	-3,491.47	289.42	73.00	216.42	1.337 Level 3		
12,000.00	6,970.48	12,207.29	7,153.84	142.97	143.01	-129.24	-2,482.88	-3,591.47	289.88	69.15	220.73	1.313 Level 3		
12,100.00	6,970.73	12,307.29	7,154.66	145.72	145.75	-129.31	-2,482.60	-3,691.46	290.34	65.31	225.03	1.290 Level 3		
12,200.00	6,970.98	12,407.29	7,155.47	148.47	148.50	-129.38	-2,482.33	-3,791.45	290.80	61.47	229.34	1.268 Level 3		
12,300.00	6,971.23	12,507.29	7,156.28	151.23	151.25	-129.45	-2,482.05	-3,891.45	291.27	57.63	233.63	1.247 Level 2		
12,400.00	6,971.48	12,607.29	7,157.10	154.00	154.01	-129.51	-2,481.78	-3,991.44	291.73	53.80	237.93	1.226 Level 2		
12,500.00	6,971.74	12,707.29	7,157.91	156.76	156.77	-129.58	-2,481.50	-4,091.44	292.19	49.96	242.22	1.206 Level 2		
12,600.00	6,971.99	12,807.28	7,158.72	159.53	159.53	-129.65	-2,481.23	-4,191.43	292.65	46.14	246.51	1.187 Level 2		
12,700.00	6,972.24	12,907.28	7,159.54	162.31	162.30	-129.72	-2,480.95	-4,291.43	293.11	42.31	250.80	1.169 Level 2		
12,800.00	6,972.49	13,007.28	7,160.35	165.09	165.07	-129.79	-2,480.68	-4,391.42	293.58	38.49	255.08	1.151 Level 2		
12,900.00	6,972.74	13,107.28	7,161.16	167.86	167.84	-129.85	-2,480.40	-4,491.42	294.04	34.68	259.36	1.134 Level 2		
13,002.01	6,973.00	13,209.29	7,161.99	170.70	170.67	-129.92	-2,480.12	-4,593.42	294.51	30.79	263.72	1.117 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.58	165.03	1.67	165.04					
100.00	100.00	100.00	100.00	3.28	3.28	0.58	165.03	1.67	165.04	158.47	6.57	25.123		
200.00	200.00	200.00	200.00	3.34	3.34	0.58	165.03	1.67	165.04	158.37	6.67	24.729		
246.49	246.49	246.49	246.49	3.38	3.38	0.71	165.03	2.05	165.04	158.28	6.76	24.414 CC		
300.00	300.00	299.97	299.95	3.44	3.44	1.18	165.01	3.41	165.05	158.16	6.89	23.964 ES		
400.00	399.98	399.75	399.58	3.60	3.60	-146.72	164.95	8.63	166.63	159.44	7.19	23.165		
500.00	499.84	499.16	498.62	3.79	3.80	-144.73	164.84	17.27	171.40	163.82	7.59	22.592		
600.00	599.45	598.06	596.78	4.02	4.05	-142.38	164.69	29.28	179.49	171.42	8.07	22.255		
700.00	698.70	696.28	693.80	4.29	4.33	-139.84	164.50	44.54	190.99	182.37	8.62	22.160		
800.00	797.47	793.65	789.41	4.60	4.64	-137.26	164.28	62.95	205.98	196.74	9.24	22.292		
900.00	895.62	890.23	884.17	4.94	5.06	-134.81	164.01	84.25	224.40	214.40	9.99	22.458		
1,000.00	993.06	988.34	979.24	5.31	5.37	-133.10	163.74	106.17	245.57	234.91	10.66	23.041		
1,100.00	1,089.64	1,085.48	1,073.90	5.72	5.77	-132.14	163.47	127.99	269.14	257.70	11.44	23.533		
1,200.00	1,185.27	1,182.08	1,168.02	6.17	6.18	-131.75	163.20	149.69	295.00	282.74	12.25	24.073		
1,300.00	1,279.82	1,278.01	1,261.50	6.65	6.60	-131.80	162.93	171.25	323.10	310.00	13.11	24.653		
1,400.00	1,373.17	1,373.16	1,354.22	7.17	7.03	-132.17	162.67	192.62	353.48	339.49	13.99	25.270		
1,479.95	1,446.87	1,448.59	1,427.72	7.61	7.38	-132.64	162.46	209.57	379.43	364.71	14.71	25.788		
1,500.00	1,465.24	1,467.43	1,446.08	7.72	7.47	-132.87	162.40	213.81	386.13	371.23	14.90	25.917		
1,600.00	1,556.88	1,561.40	1,537.65	8.31	7.91	-133.92	162.14	234.92	419.62	403.80	15.82	26.523		
1,700.00	1,648.52	1,655.37	1,629.21	8.92	8.36	-134.81	161.88	256.03	453.22	436.45	16.76	27.039		
1,800.00	1,740.15	1,749.34	1,720.78	9.54	8.81	-135.58	161.62	277.14	486.90	469.18	17.72	27.481		
1,900.00	1,831.79	1,843.30	1,812.34	10.17	9.26	-136.25	161.36	298.25	520.65	501.96	18.69	27.864		
2,000.00	1,923.43	1,937.27	1,903.91	10.81	9.72	-136.84	161.10	319.36	554.45	534.79	19.66	28.197		
2,100.00	2,015.06	2,031.24	1,995.48	11.46	10.19	-137.36	160.83	340.48	588.31	567.66	20.65	28.488		
2,200.00	2,106.70	2,125.21	2,087.04	12.11	10.65	-137.83	160.57	361.59	622.20	600.55	21.65	28.745		
2,300.00	2,198.34	2,219.18	2,178.61	12.78	11.12	-138.24	160.31	382.70	656.12	633.47	22.65	28.971		
2,400.00	2,289.98	2,313.15	2,270.17	13.44	11.59	-138.62	160.05	403.81	690.07	666.42	23.65	29.173		
2,500.00	2,381.61	2,407.11	2,361.74	14.11	12.07	-138.96	159.79	424.92	724.05	699.38	24.67	29.353		
2,600.00	2,473.25	2,501.08	2,453.30	14.79	12.54	-139.27	159.53	446.04	758.04	732.36	25.68	29.515		
2,700.00	2,564.89	2,604.95	2,544.87	15.47	13.07	-139.56	159.26	467.15	792.06	765.30	26.75	29.606		
2,800.00	2,656.52	2,689.02	2,636.44	16.15	13.50	-139.82	159.00	488.26	826.08	798.36	27.73	29.793		
2,900.00	2,748.16	2,782.99	2,728.00	16.83	13.98	-140.06	158.74	509.37	860.13	831.37	28.75	29.913		
3,000.00	2,839.80	2,876.96	2,819.57	17.52	14.46	-140.28	158.48	530.48	894.18	864.40	29.78	30.023		
3,100.00	2,931.43	2,970.92	2,911.13	18.20	14.94	-140.48	158.22	551.59	928.25	897.43	30.82	30.123		
3,200.00	3,023.07	3,064.89	3,002.70	18.89	15.42	-140.67	157.96	572.71	962.33	930.48	31.85	30.215		
3,300.00	3,114.71	3,158.86	3,094.26	19.58	15.90	-140.85	157.69	593.82	996.41	963.53	32.89	30.299		
3,400.00	3,206.35	3,252.83	3,185.83	20.27	16.38	-141.02	157.43	614.93	1,030.50	996.58	33.92	30.377		
3,500.00	3,297.98	3,346.80	3,277.39	20.97	16.87	-141.17	157.17	636.04	1,064.60	1,029.64	34.96	30.449		
3,600.00	3,389.62	3,440.77	3,368.96	21.66	17.35	-141.32	156.91	657.15	1,098.71	1,062.71	36.00	30.516		
3,700.00	3,481.26	3,534.73	3,460.53	22.36	17.84	-141.45	156.65	678.26	1,132.82	1,095.78	37.05	30.578		
3,800.00	3,572.89	3,628.70	3,552.09	23.05	18.33	-141.58	156.39	699.38	1,166.94	1,128.85	38.09	30.635		
3,900.00	3,664.53	3,722.67	3,643.66	23.75	18.81	-141.71	156.12	720.49	1,201.06	1,161.93	39.14	30.689		
4,000.00	3,756.17	3,816.64	3,735.22	24.45	19.30	-141.82	155.86	741.60	1,235.19	1,195.01	40.18	30.740		
4,100.00	3,847.80	3,910.61	3,826.79	25.14	19.79	-141.93	155.60	762.71	1,269.32	1,228.09	41.23	30.787		
4,200.00	3,939.44	4,004.58	3,918.35	25.84	20.27	-142.03	155.34	783.82	1,303.46	1,261.18	42.28	30.831		
4,300.00	4,031.08	4,101.46	4,009.92	26.54	20.78	-142.13	155.08	804.94	1,337.60	1,294.26	43.34	30.862		
4,400.00	4,122.72	4,207.49	4,101.49	27.24	21.33	-142.22	154.82	826.05	1,371.74	1,327.29	44.45	30.858		
4,500.00	4,214.35	4,286.48	4,193.05	27.94	21.74	-142.31	154.55	847.16	1,405.88	1,360.46	45.43	30.949		
4,600.00	4,305.99	4,380.45	4,284.62	28.64	22.23	-142.40	154.29	868.27	1,440.03	1,393.56	46.48	30.983		
4,700.00	4,397.63	4,474.42	4,376.18	29.35	22.72	-142.48	154.03	889.38	1,474.18	1,426.65	47.53	31.016		
4,800.00	4,489.26	4,568.39	4,467.75	30.05	23.21	-142.55	153.77	910.49	1,508.34	1,459.76	48.58	31.047		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,580.90	4,662.35	4,559.31	30.75	23.70	-142.63	153.51	931.61	1,542.49	1,492.86	49.63	31.077		
5,000.00	4,672.54	4,756.32	4,650.88	31.45	24.18	-142.70	153.24	952.72	1,576.65	1,525.96	50.69	31.105		
5,100.00	4,764.17	4,850.29	4,742.45	32.16	24.67	-142.76	152.98	973.83	1,610.81	1,559.07	51.74	31.131		
5,200.00	4,855.81	4,944.26	4,834.01	32.86	25.17	-142.83	152.72	994.94	1,644.97	1,592.17	52.80	31.157		
5,300.00	4,947.45	5,038.23	4,925.58	33.56	25.66	-142.89	152.46	1,016.05	1,679.13	1,625.28	53.85	31.181		
5,400.00	5,039.08	5,132.20	5,017.14	34.27	26.15	-142.95	152.20	1,037.17	1,713.30	1,658.39	54.91	31.204		
5,500.00	5,130.72	5,226.16	5,108.71	34.97	26.64	-143.01	151.94	1,058.28	1,747.46	1,691.50	55.96	31.225		
5,600.00	5,222.36	5,320.13	5,200.27	35.68	27.13	-143.06	151.67	1,079.39	1,781.63	1,724.61	57.02	31.246		
5,700.00	5,314.00	5,414.10	5,291.84	36.38	27.62	-143.11	151.41	1,100.50	1,815.80	1,757.73	58.08	31.266		
5,800.00	5,405.63	5,508.07	5,383.41	37.08	28.11	-143.16	151.15	1,121.61	1,849.97	1,790.84	59.13	31.285		
5,900.00	5,497.27	5,602.72	5,475.66	37.79	28.60	-143.21	150.89	1,142.81	1,884.14	1,823.94	60.20	31.300		
6,000.00	5,588.91	5,700.01	5,570.95	38.50	29.10	-143.34	150.65	1,162.40	1,918.20	1,856.94	61.26	31.311		
6,100.00	5,680.54	5,797.06	5,666.61	39.20	29.56	-143.56	150.44	1,178.70	1,952.11	1,889.82	62.29	31.341		
6,200.00	5,772.18	5,893.63	5,762.30	39.91	30.00	-143.87	150.28	1,191.70	1,985.91	1,922.64	63.27	31.388		
6,300.00	5,863.82	5,989.52	5,857.69	40.61	30.41	-144.26	150.16	1,201.40	2,019.64	1,955.43	64.21	31.454		
6,400.00	5,955.45	6,084.53	5,952.47	41.32	30.80	-144.73	150.08	1,207.87	2,053.36	1,988.25	65.11	31.538		
6,500.00	6,047.09	6,178.45	6,046.34	42.02	31.16	-145.27	150.04	1,211.17	2,087.14	2,021.17	65.97	31.640		
6,600.00	6,138.73	6,270.85	6,138.73	42.73	31.50	-145.86	150.03	1,211.67	2,121.04	2,054.27	66.78	31.762		
6,700.00	6,230.37	6,362.49	6,230.37	43.44	31.83	-146.45	150.03	1,211.67	2,155.15	2,087.57	67.58	31.891		
6,712.03	6,241.39	6,373.51	6,241.39	43.52	31.87	-146.52	150.03	1,211.67	2,159.27	2,091.59	67.68	31.906		
6,750.00	6,276.38	6,408.50	6,276.38	43.78	32.00	-155.30	150.03	1,211.67	2,172.36	2,104.38	67.98	31.957		
6,800.00	6,322.91	6,455.03	6,322.91	44.09	32.17	-168.12	150.03	1,211.67	2,189.80	2,121.42	68.37	32.027		
6,850.00	6,369.70	6,501.82	6,369.70	44.36	32.34	178.28	150.03	1,211.67	2,207.34	2,138.58	68.76	32.101		
6,900.00	6,416.45	6,548.57	6,416.45	44.59	32.51	164.92	150.03	1,211.67	2,224.86	2,155.71	69.15	32.174		
6,950.00	6,462.87	6,605.00	6,462.87	44.79	32.72	152.76	150.03	1,211.67	2,242.28	2,172.71	69.58	32.228		
7,000.00	6,508.69	6,640.81	6,508.69	44.95	32.85	142.33	150.03	1,211.67	2,259.52	2,189.58	69.93	32.309		
7,050.00	6,553.61	6,685.73	6,553.61	45.09	33.02	133.68	150.03	1,211.67	2,276.51	2,206.18	70.34	32.365		
7,100.00	6,597.37	6,729.49	6,597.37	45.20	33.18	126.60	150.03	1,211.67	2,293.23	2,222.48	70.75	32.411		
7,150.00	6,639.68	6,769.97	6,639.68	45.30	33.32	120.77	150.08	1,210.79	2,309.67	2,238.51	71.16	32.457		
7,200.00	6,680.29	6,810.88	6,680.29	45.39	33.47	115.94	150.25	1,207.33	2,325.79	2,254.20	71.59	32.488		
7,250.00	6,718.96	6,852.97	6,720.20	45.48	33.62	111.91	150.57	1,201.06	2,341.52	2,269.47	72.05	32.497		
7,300.00	6,755.43	6,896.42	6,762.63	45.57	33.78	108.54	151.05	1,191.71	2,356.78	2,284.22	72.56	32.481		
7,350.00	6,789.49	6,941.47	6,805.83	45.67	33.95	105.71	151.69	1,179.00	2,371.49	2,298.37	73.11	32.436		
7,400.00	6,820.93	6,988.37	6,849.73	45.77	34.15	103.33	152.53	1,162.55	2,385.56	2,311.84	73.72	32.359		
7,450.00	6,849.55	7,037.42	6,894.22	45.89	34.37	101.35	153.57	1,141.95	2,398.92	2,324.53	74.39	32.249		
7,500.00	6,875.17	7,088.94	6,939.09	46.02	34.62	99.71	154.86	1,116.70	2,411.49	2,336.37	75.12	32.103		
7,550.00	6,897.64	7,143.31	6,984.07	46.17	34.91	98.39	156.40	1,086.21	2,423.17	2,347.26	75.91	31.920		
7,600.00	6,916.82	7,200.93	7,028.70	46.35	35.24	97.36	158.25	1,049.85	2,433.90	2,357.11	76.79	31.696		
7,650.00	6,932.60	7,262.21	7,072.35	46.55	35.65	96.59	160.43	1,006.93	2,443.57	2,365.82	77.75	31.428		
7,700.00	6,944.86	7,327.58	7,114.12	46.78	36.14	96.08	162.98	956.75	2,452.09	2,373.28	78.81	31.116		
7,750.00	6,953.55	7,397.41	7,152.81	47.04	36.73	95.80	165.92	898.73	2,459.35	2,379.39	79.96	30.756		
7,800.00	6,958.59	7,472.00	7,186.84	47.33	37.45	95.74	169.28	832.49	2,465.27	2,384.02	81.25	30.343		
7,842.10	6,960.00	7,538.57	7,210.48	47.60	38.16	95.85	172.44	770.37	2,469.12	2,386.69	82.43	29.956		
7,900.00	6,960.15	7,636.36	7,233.14	48.01	39.32	96.36	177.26	675.47	2,473.25	2,389.04	84.21	29.368		
8,000.00	6,960.40	7,779.49	7,241.07	48.86	41.19	96.52	184.49	532.93	2,478.37	2,391.04	87.33	28.379		
8,100.00	6,960.65	7,879.39	7,241.24	49.87	42.66	96.50	189.56	433.17	2,482.99	2,392.68	90.31	27.494		
8,200.00	6,960.91	7,979.28	7,241.40	51.06	44.26	96.49	194.62	333.40	2,487.61	2,394.07	93.54	26.595		
8,300.00	6,961.16	8,079.17	7,241.57	52.41	45.98	96.47	199.69	233.64	2,492.23	2,395.24	96.99	25.695		
8,400.00	6,961.41	8,179.06	7,241.74	53.93	47.81	96.46	204.75	133.88	2,496.85	2,396.20	100.65	24.806		
8,500.00	6,961.66	8,278.95	7,241.90	55.59	49.75	96.45	209.82	34.12	2,501.48	2,396.98	104.50	23.938		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9C-9-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	8,378.84	7,242.07	57.37	51.76	96.43	214.88	-65.65	2,506.10	2,397.59	108.51	23.097		
8,700.00	6,962.16	8,478.73	7,242.24	59.27	53.86	96.42	219.95	-165.41	2,510.72	2,398.06	112.66	22.286		
8,800.00	6,962.42	8,578.62	7,242.40	61.26	56.03	96.40	225.01	-265.17	2,515.34	2,398.40	116.94	21.509		
8,900.00	6,962.67	8,678.52	7,242.57	63.34	58.25	96.39	230.07	-364.93	2,519.97	2,398.62	121.34	20.767		
9,000.00	6,962.92	8,778.41	7,242.74	65.49	60.53	96.38	235.14	-464.70	2,524.59	2,398.74	125.85	20.061		
9,100.00	6,963.17	8,878.30	7,242.90	67.70	62.86	96.36	240.20	-564.46	2,529.21	2,398.76	130.45	19.389		
9,200.00	6,963.42	8,978.19	7,243.07	69.97	65.23	96.35	245.27	-664.22	2,533.83	2,398.71	135.13	18.751		
9,300.00	6,963.68	9,078.08	7,243.23	72.28	67.65	96.34	250.33	-763.98	2,538.46	2,398.57	139.89	18.147		
9,400.00	6,963.93	9,177.97	7,243.40	74.64	70.09	96.32	255.40	-863.75	2,543.08	2,398.37	144.71	17.573		
9,500.00	6,964.18	9,277.86	7,243.57	77.04	72.57	96.31	260.46	-963.51	2,547.70	2,398.10	149.60	17.030		
9,600.00	6,964.43	9,377.75	7,243.73	79.48	75.07	96.30	265.53	-1,063.27	2,552.33	2,397.78	154.54	16.515		
9,700.00	6,964.68	9,477.65	7,243.90	81.94	77.60	96.28	270.59	-1,163.04	2,556.95	2,397.41	159.54	16.027		
9,800.00	6,964.94	9,577.54	7,244.07	84.43	80.15	96.27	275.66	-1,262.80	2,561.58	2,397.00	164.58	15.565		
9,900.00	6,965.19	9,677.43	7,244.23	86.95	82.73	96.26	280.72	-1,362.56	2,566.20	2,396.54	169.66	15.126		
10,000.00	6,965.44	9,777.32	7,244.40	89.49	85.32	96.24	285.79	-1,462.32	2,570.82	2,396.05	174.78	14.709		
10,100.00	6,965.69	9,877.21	7,244.56	92.05	87.93	96.23	290.85	-1,562.09	2,575.45	2,395.52	179.93	14.313		
10,200.00	6,965.94	9,977.10	7,244.73	94.63	90.56	96.22	295.92	-1,661.85	2,580.07	2,394.95	185.12	13.937		
10,300.00	6,966.19	10,076.99	7,244.90	97.22	93.20	96.20	300.98	-1,761.61	2,584.70	2,394.36	190.34	13.580		
10,400.00	6,966.45	10,176.88	7,245.06	99.83	95.85	96.19	306.05	-1,861.37	2,589.32	2,393.74	195.58	13.239		
10,500.00	6,966.70	10,276.78	7,245.23	102.46	98.52	96.18	311.11	-1,961.14	2,593.95	2,393.10	200.85	12.915		
10,600.00	6,966.95	10,376.67	7,245.40	105.09	101.19	96.16	316.17	-2,060.90	2,598.57	2,392.43	206.14	12.606		
10,700.00	6,967.20	10,476.56	7,245.56	107.74	103.88	96.15	321.24	-2,160.66	2,603.20	2,391.74	211.45	12.311		
10,800.00	6,967.45	10,576.45	7,245.73	110.41	106.58	96.14	326.30	-2,260.42	2,607.82	2,391.04	216.79	12.029		
10,900.00	6,967.71	10,676.34	7,245.89	113.08	109.28	96.13	331.37	-2,360.19	2,612.45	2,390.31	222.14	11.760		
11,000.00	6,967.96	10,776.23	7,246.06	115.76	111.99	96.11	336.43	-2,459.95	2,617.07	2,389.57	227.51	11.503		
11,100.00	6,968.21	10,876.12	7,246.23	118.45	114.72	96.10	341.50	-2,559.71	2,621.70	2,388.81	232.89	11.257		
11,200.00	6,968.46	10,976.02	7,246.39	121.15	117.44	96.09	346.56	-2,659.48	2,626.33	2,388.03	238.29	11.022		
11,300.00	6,968.71	11,075.91	7,246.56	123.85	120.18	96.08	351.63	-2,759.24	2,630.95	2,387.25	243.70	10.796		
11,400.00	6,968.97	11,175.80	7,246.73	126.56	122.92	96.06	356.69	-2,859.00	2,635.58	2,386.45	249.13	10.579		
11,500.00	6,969.22	11,275.69	7,246.89	129.28	125.67	96.05	361.76	-2,958.76	2,640.20	2,385.63	254.57	10.371		
11,600.00	6,969.47	11,375.58	7,247.06	132.01	128.40	96.04	366.83	-3,058.52	2,644.82	2,384.81	260.00	10.163		
11,700.00	6,969.72	11,475.47	7,247.23	134.74	131.14	96.04	371.90	-3,158.28	2,649.44	2,383.99	265.43	9.955		
11,800.00	6,969.97	11,575.36	7,247.40	137.48	133.90	96.05	376.97	-3,258.04	2,654.06	2,383.17	270.86	9.747		
11,900.00	6,970.22	11,675.25	7,247.57	140.22	142.81	96.06	382.04	-3,357.80	2,658.68	2,382.35	276.29	9.541		
12,000.00	6,970.48	12,000.80	7,248.19	142.97	145.56	96.07	387.11	-3,457.56	2,663.30	2,381.53	281.72	9.342		
12,100.00	6,970.73	12,100.72	7,248.37	145.72	148.30	96.07	392.18	-3,557.32	2,667.92	2,380.71	287.15	9.151		
12,200.00	6,970.98	12,200.65	7,248.55	148.47	151.06	96.08	397.25	-3,657.08	2,672.54	2,379.89	292.58	8.966		
12,300.00	6,971.23	12,300.57	7,248.73	151.23	153.81	96.09	402.32	-3,756.84	2,677.16	2,379.07	298.01	8.788		
12,400.00	6,971.48	12,400.49	7,248.91	154.00	156.57	96.10	407.39	-3,856.60	2,681.78	2,378.25	303.55	8.616		
12,500.00	6,971.74	12,500.42	7,249.10	156.76	159.33	96.10	412.46	-3,956.36	2,686.40	2,377.43	308.87	8.450		
12,600.00	6,971.99	12,600.34	7,249.28	159.53	162.10	96.11	417.53	-4,056.12	2,691.02	2,376.61	314.30	8.290		
12,700.00	6,972.24	12,700.26	7,249.46	162.31	164.86	96.12	422.60	-4,155.88	2,695.64	2,375.79	319.73	8.135		
12,800.00	6,972.49	12,800.19	7,249.64	165.09	167.63	96.13	427.67	-4,255.64	2,699.87	2,374.97	325.16	7.985		
12,900.00	6,972.74	12,900.11	7,249.83	167.86	170.40	96.14	432.74	-4,355.40	2,704.09	2,374.15	330.59	7.840		
13,002.01	6,973.00	13,002.04	7,250.01	170.70	173.23	96.14	317.30	-4,684.08	2,587.99	2,245.74	342.25	7.562 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	0.53	179.97	1.67	179.97					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	179.97	1.67	179.97	173.41	6.57	27.396		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	179.97	1.67	179.97	173.30	6.67	26.966 CC, ES		
300.00	300.00	298.83	298.81	3.44	3.44	1.06	180.26	3.35	180.30	173.41	6.89	26.181		
400.00	399.98	397.44	397.28	3.60	3.60	-147.02	181.15	8.37	182.82	175.63	7.19	25.418		
500.00	499.84	495.63	495.11	3.79	3.80	-145.30	182.61	16.68	189.14	181.55	7.59	24.931		
600.00	599.45	593.18	591.95	4.02	4.04	-143.29	184.65	28.20	199.32	191.26	8.06	24.718		
700.00	698.70	689.88	687.50	4.29	4.31	-141.14	187.22	42.82	213.45	204.83	8.61	24.778		
800.00	797.47	785.53	781.46	4.60	4.61	-138.98	190.32	60.39	231.52	222.30	9.23	25.092		
900.00	895.62	883.01	876.91	4.94	4.96	-137.19	193.76	79.88	252.95	243.05	9.90	25.560		
1,000.00	993.06	980.02	971.90	5.31	5.32	-136.10	197.18	99.27	276.96	266.35	10.61	26.099		
1,100.00	1,089.64	1,076.44	1,066.32	5.72	5.70	-135.57	200.57	118.54	303.43	292.06	11.37	26.694		
1,200.00	1,185.27	1,172.17	1,160.05	6.17	6.09	-135.45	203.95	137.67	332.29	320.14	12.16	27.335		
1,300.00	1,279.82	1,267.07	1,252.98	6.65	6.50	-135.66	207.29	156.64	363.56	350.58	12.98	28.016		
1,400.00	1,373.17	1,361.04	1,344.99	7.17	6.90	-136.08	210.60	175.42	397.25	383.43	13.82	28.735		
1,479.95	1,446.87	1,435.42	1,417.82	7.61	7.23	-136.54	213.23	190.29	425.97	411.45	14.52	29.337		
1,500.00	1,465.24	1,453.98	1,436.00	7.72	7.32	-136.77	213.88	194.00	433.37	418.67	14.70	29.486		
1,600.00	1,556.88	1,546.57	1,526.66	8.31	7.73	-137.80	217.14	212.51	470.38	454.80	15.58	30.192		
1,700.00	1,648.52	1,639.16	1,617.33	8.92	8.16	-138.69	220.41	231.01	507.50	491.02	16.48	30.798		
1,800.00	1,740.15	1,731.75	1,707.99	9.54	8.58	-139.45	223.67	249.52	544.71	527.32	17.39	31.320		
1,900.00	1,831.79	1,824.34	1,798.65	10.17	9.01	-140.12	226.93	268.02	581.99	563.68	18.32	31.774		
2,000.00	1,923.43	1,916.93	1,889.31	10.81	9.45	-140.71	230.20	286.53	619.34	600.09	19.25	32.170		
2,100.00	2,015.06	2,009.51	1,979.97	11.46	9.89	-141.23	233.46	305.04	656.73	636.54	20.20	32.517		
2,200.00	2,106.70	2,102.10	2,070.63	12.11	10.33	-141.69	236.72	323.54	694.17	673.02	21.15	32.824		
2,300.00	2,198.34	2,205.31	2,161.29	12.78	10.82	-142.11	239.99	342.05	731.64	709.48	22.16	33.021		
2,400.00	2,289.98	2,287.28	2,251.96	13.44	11.21	-142.49	243.25	360.55	769.14	746.07	23.07	33.340		
2,500.00	2,381.61	2,379.87	2,342.62	14.11	11.66	-142.83	246.51	379.06	806.67	782.63	24.04	33.557		
2,600.00	2,473.25	2,472.46	2,433.28	14.79	12.11	-143.14	249.77	397.57	844.22	819.21	25.01	33.753		
2,700.00	2,564.89	2,565.05	2,523.94	15.47	12.56	-143.42	253.04	416.07	881.79	855.80	25.99	33.930		
2,800.00	2,656.52	2,657.63	2,614.60	16.15	13.01	-143.69	256.30	434.58	919.38	892.41	26.97	34.091		
2,900.00	2,748.16	2,750.22	2,705.26	16.83	13.46	-143.93	259.56	453.08	956.98	929.03	27.95	34.237		
3,000.00	2,839.80	2,842.81	2,795.93	17.52	13.92	-144.15	262.83	471.59	994.60	965.66	28.94	34.370		
3,100.00	2,931.43	2,935.40	2,886.59	18.20	14.37	-144.36	266.09	490.10	1,032.23	1,002.30	29.93	34.492		
3,200.00	3,023.07	3,027.99	2,977.25	18.89	14.83	-144.55	269.35	508.60	1,069.87	1,038.95	30.92	34.604		
3,300.00	3,114.71	3,120.58	3,067.91	19.58	15.28	-144.73	272.62	527.11	1,107.51	1,075.60	31.91	34.708		
3,400.00	3,206.35	3,213.16	3,158.57	20.27	15.74	-144.90	275.88	545.62	1,145.17	1,112.27	32.90	34.803		
3,500.00	3,297.98	3,305.75	3,249.23	20.97	16.20	-145.05	279.14	564.12	1,182.84	1,148.94	33.90	34.891		
3,600.00	3,389.62	3,401.66	3,339.89	21.66	16.67	-145.20	282.41	582.63	1,220.51	1,185.59	34.91	34.957		
3,700.00	3,481.26	3,509.07	3,430.56	22.36	17.20	-145.34	285.67	601.13	1,258.19	1,222.20	35.99	34.962		
3,800.00	3,572.89	3,583.52	3,521.22	23.05	17.57	-145.47	288.93	619.64	1,295.87	1,258.97	36.90	35.121		
3,900.00	3,664.53	3,676.11	3,611.88	23.75	18.03	-145.59	292.20	638.15	1,333.56	1,295.66	37.90	35.187		
4,000.00	3,756.17	3,768.70	3,702.54	24.45	18.49	-145.71	295.46	656.65	1,371.26	1,332.36	38.90	35.249		
4,100.00	3,847.80	3,861.28	3,793.20	25.14	18.95	-145.82	298.72	675.16	1,408.96	1,369.05	39.91	35.307		
4,200.00	3,939.44	3,953.87	3,883.86	25.84	19.41	-145.92	301.98	693.66	1,446.66	1,405.75	40.91	35.362		
4,300.00	4,031.08	4,046.46	3,974.52	26.54	19.87	-146.02	305.25	712.17	1,484.37	1,442.45	41.92	35.413		
4,400.00	4,122.72	4,139.05	4,065.19	27.24	20.34	-146.11	308.51	730.68	1,522.08	1,479.16	42.92	35.461		
4,500.00	4,214.35	4,231.64	4,155.85	27.94	20.80	-146.20	311.77	749.18	1,559.79	1,515.87	43.93	35.507		
4,600.00	4,305.99	4,324.23	4,246.51	28.64	21.26	-146.29	315.04	767.69	1,597.51	1,552.58	44.94	35.550		
4,700.00	4,397.63	4,416.82	4,337.17	29.35	21.72	-146.37	318.30	786.19	1,635.23	1,589.29	45.95	35.591		
4,800.00	4,489.26	4,509.40	4,427.83	30.05	22.18	-146.45	321.56	804.70	1,672.96	1,626.00	46.95	35.629		
4,900.00	4,580.90	4,601.99	4,518.49	30.75	22.65	-146.52	324.83	823.21	1,710.68	1,662.72	47.96	35.666		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,705.42	4,609.16	31.45	23.16	-146.59	328.09	841.71	1,748.41	1,699.38	49.03	35.661		
5,100.00	4,764.17	4,787.17	4,699.82	32.16	23.57	-146.66	331.35	860.22	1,786.14	1,736.16	49.99	35.733		
5,200.00	4,855.81	4,879.76	4,790.48	32.86	24.04	-146.73	334.62	878.73	1,823.87	1,772.88	51.00	35.764		
5,300.00	4,947.45	4,972.35	4,881.14	33.56	24.50	-146.79	337.88	897.23	1,861.61	1,809.60	52.01	35.794		
5,400.00	5,039.08	5,064.94	4,971.80	34.27	24.96	-146.85	341.14	915.74	1,899.34	1,846.32	53.02	35.822		
5,500.00	5,130.72	5,157.52	5,062.46	34.97	25.43	-146.91	344.41	934.24	1,937.08	1,883.05	54.03	35.849		
5,600.00	5,222.36	5,250.11	5,153.12	35.68	25.89	-146.96	347.67	952.75	1,974.82	1,919.78	55.05	35.875		
5,700.00	5,314.00	5,342.70	5,243.79	36.38	26.36	-147.02	350.93	971.26	2,012.56	1,956.50	56.06	35.900		
5,800.00	5,405.63	5,435.29	5,334.45	37.08	26.82	-147.07	354.19	989.76	2,050.31	1,993.23	57.07	35.923		
5,900.00	5,497.27	5,527.88	5,425.11	37.79	27.29	-147.12	357.46	1,008.27	2,088.05	2,029.96	58.09	35.946		
6,000.00	5,588.91	5,620.47	5,515.77	38.50	27.75	-147.16	360.72	1,026.77	2,125.80	2,066.69	59.10	35.967		
6,100.00	5,680.54	5,713.05	5,606.43	39.20	28.22	-147.21	363.98	1,045.28	2,163.54	2,103.42	60.12	35.988		
6,200.00	5,772.18	5,805.64	5,697.09	39.91	28.68	-147.25	367.25	1,063.79	2,201.29	2,140.16	61.13	36.008		
6,300.00	5,863.82	5,901.77	5,787.75	40.61	29.16	-147.30	370.51	1,082.29	2,239.04	2,176.87	62.17	36.016		
6,400.00	5,955.45	6,009.18	5,878.42	41.32	29.70	-147.34	373.77	1,100.80	2,276.79	2,213.53	63.26	35.992		
6,500.00	6,047.09	6,083.41	5,969.08	42.02	30.08	-147.38	377.04	1,119.30	2,314.54	2,250.36	64.18	36.062		
6,600.00	6,138.73	6,176.00	6,059.74	42.73	30.54	-147.42	380.30	1,137.81	2,352.29	2,287.09	65.20	36.079		
6,700.00	6,230.37	6,268.59	6,150.40	43.44	31.01	-147.46	383.56	1,156.32	2,390.04	2,323.83	66.22	36.095		
6,712.03	6,241.39	6,279.72	6,161.31	43.52	31.06	-147.46	383.96	1,158.54	2,394.59	2,328.25	66.34	36.097		
6,750.00	6,276.38	6,314.85	6,195.70	43.78	31.24	-156.19	385.19	1,165.56	2,408.98	2,342.26	66.72	36.106		
6,800.00	6,322.91	6,360.86	6,240.75	44.09	31.47	-168.93	386.81	1,174.76	2,428.07	2,360.86	67.21	36.126		
6,850.00	6,369.70	6,406.33	6,285.28	44.36	31.70	177.52	388.42	1,183.85	2,447.22	2,379.53	67.69	36.155		
6,900.00	6,416.45	6,450.98	6,329.00	44.59	31.92	164.20	389.99	1,192.77	2,466.34	2,398.20	68.15	36.191		
6,950.00	6,462.87	6,494.54	6,371.65	44.79	32.14	152.06	391.53	1,201.48	2,485.38	2,416.79	68.60	36.231		
7,000.00	6,508.69	6,534.94	6,411.49	44.95	32.33	141.55	392.99	1,208.00	2,504.30	2,435.30	69.01	36.291		
7,050.00	6,553.61	6,576.50	6,452.81	45.09	32.51	132.76	394.57	1,212.06	2,523.03	2,453.62	69.41	36.347		
7,100.00	6,597.37	6,619.08	6,495.33	45.20	32.68	125.48	396.25	1,213.43	2,541.46	2,471.64	69.83	36.396		
7,150.00	6,639.68	6,662.89	6,539.06	45.30	32.84	119.48	398.04	1,211.86	2,559.50	2,489.25	70.25	36.433		
7,200.00	6,680.29	6,708.12	6,584.00	45.39	33.01	114.49	399.95	1,207.08	2,577.05	2,506.35	70.70	36.451		
7,250.00	6,718.96	6,755.03	6,630.11	45.48	33.18	110.33	401.97	1,198.78	2,594.01	2,522.82	71.18	36.441		
7,300.00	6,755.43	6,803.88	6,677.33	45.57	33.36	106.84	404.12	1,186.54	2,610.28	2,538.57	71.71	36.401		
7,350.00	6,789.49	6,854.96	6,725.56	45.67	33.57	103.91	406.40	1,169.91	2,625.76	2,553.48	72.29	36.324		
7,400.00	6,820.93	6,908.60	6,774.60	45.77	33.80	101.46	408.82	1,148.33	2,640.37	2,567.45	72.92	36.210		
7,450.00	6,849.55	6,965.16	6,824.14	45.89	34.06	99.42	411.37	1,121.20	2,653.99	2,580.37	73.61	36.053		
7,500.00	6,875.17	7,025.00	6,873.71	46.02	34.37	97.74	414.05	1,087.83	2,666.53	2,592.15	74.38	35.850		
7,550.00	6,897.64	7,088.46	6,922.60	46.17	34.73	96.39	416.85	1,047.51	2,677.88	2,602.65	75.22	35.599		
7,600.00	6,916.82	7,155.87	6,969.87	46.35	35.16	95.32	419.74	999.58	2,687.94	2,611.78	76.16	35.294		
7,650.00	6,932.60	7,227.46	7,014.22	46.55	35.69	94.52	422.67	943.50	2,696.59	2,619.39	77.20	34.928		
7,700.00	6,944.86	7,303.32	7,054.03	46.78	36.32	93.97	425.60	879.05	2,703.75	2,625.38	78.36	34.502		
7,750.00	6,953.55	7,383.33	7,087.40	47.04	37.10	93.62	428.44	806.44	2,709.29	2,629.62	79.67	34.007		
7,800.00	6,958.59	7,467.08	7,112.29	47.33	38.01	93.48	431.09	726.59	2,713.13	2,632.02	81.10	33.452		
7,842.10	6,960.00	7,539.96	7,125.27	47.60	38.87	93.50	433.09	654.94	2,714.98	2,632.57	82.41	32.945		
7,900.00	6,960.15	7,631.10	7,130.03	48.01	40.03	93.59	435.15	564.01	2,716.20	2,631.99	84.21	32.254		
8,000.00	6,960.40	7,731.09	7,130.22	48.86	41.43	93.59	437.22	464.05	2,717.85	2,630.85	87.01	31.238		
8,100.00	6,960.65	7,831.08	7,130.41	49.87	42.97	93.58	439.29	364.08	2,719.51	2,629.44	90.07	30.194		
8,200.00	6,960.91	7,931.06	7,130.61	51.06	44.63	93.58	441.35	264.12	2,721.16	2,627.78	93.38	29.141		
8,300.00	6,961.16	8,031.05	7,130.80	52.41	46.42	93.58	443.42	164.15	2,722.81	2,625.89	96.92	28.094		
8,400.00	6,961.41	8,131.04	7,131.00	53.93	48.31	93.57	445.49	64.19	2,724.46	2,623.81	100.66	27.067		
8,500.00	6,961.66	8,231.02	7,131.19	55.59	50.29	93.57	447.56	-35.78	2,726.11	2,621.54	104.57	26.069		
8,600.00	6,961.91	8,331.01	7,131.38	57.37	52.35	93.56	449.63	-135.74	2,727.77	2,619.12	108.65	25.106		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Falken 9N-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	8,430.99	7,131.58	59.27	54.49	93.56	451.69	-235.71	2,729.42	2,616.55	112.87	24.182		
8,800.00	6,962.42	8,530.98	7,131.77	61.26	56.69	93.56	453.76	-335.67	2,731.07	2,613.85	117.22	23.299		
8,900.00	6,962.67	8,630.97	7,131.96	63.34	58.95	93.55	455.83	-435.64	2,732.72	2,611.05	121.68	22.459		
9,000.00	6,962.92	8,730.95	7,132.16	65.49	61.25	93.55	457.90	-535.60	2,734.37	2,608.14	126.24	21.660		
9,100.00	6,963.17	8,830.94	7,132.35	67.70	63.61	93.55	459.97	-635.57	2,736.03	2,605.14	130.89	20.903		
9,200.00	6,963.42	8,930.92	7,132.55	69.97	66.00	93.54	462.03	-735.53	2,737.68	2,602.05	135.62	20.186		
9,300.00	6,963.68	9,030.91	7,132.74	72.28	68.43	93.54	464.10	-835.49	2,739.33	2,598.90	140.43	19.507		
9,400.00	6,963.93	9,130.90	7,132.93	74.64	70.90	93.54	466.17	-935.46	2,740.98	2,595.68	145.30	18.864		
9,500.00	6,964.18	9,230.88	7,133.13	77.04	73.39	93.53	468.24	-1,035.42	2,742.63	2,592.40	150.24	18.256		
9,600.00	6,964.43	9,330.87	7,133.32	79.48	75.91	93.53	470.31	-1,135.39	2,744.29	2,589.07	155.22	17.680		
9,700.00	6,964.68	9,430.86	7,133.52	81.94	78.45	93.53	472.37	-1,235.35	2,745.94	2,585.68	160.26	17.135		
9,800.00	6,964.94	9,530.84	7,133.71	84.43	81.02	93.52	474.44	-1,335.32	2,747.59	2,582.26	165.33	16.618		
9,900.00	6,965.19	9,630.83	7,133.90	86.95	83.60	93.52	476.51	-1,435.28	2,749.24	2,578.79	170.45	16.129		
10,000.00	6,965.44	9,730.81	7,134.10	89.49	86.20	93.52	478.58	-1,535.25	2,750.90	2,575.29	175.61	15.665		
10,100.00	6,965.69	9,830.80	7,134.29	92.05	88.82	93.51	480.65	-1,635.21	2,752.55	2,571.75	180.80	15.224		
10,200.00	6,965.94	9,930.79	7,134.49	94.63	91.45	93.51	482.71	-1,735.18	2,754.20	2,568.18	186.02	14.806		
10,300.00	6,966.19	10,030.77	7,134.68	97.22	94.10	93.51	484.78	-1,835.14	2,755.85	2,564.58	191.27	14.408		
10,400.00	6,966.45	10,130.76	7,134.87	99.83	96.76	93.50	486.85	-1,935.11	2,757.50	2,560.96	196.54	14.030		
10,500.00	6,966.70	10,230.75	7,135.07	102.46	99.43	93.50	488.92	-2,035.07	2,759.16	2,557.31	201.84	13.670		
10,600.00	6,966.95	10,330.73	7,135.26	105.09	102.11	93.50	490.99	-2,135.04	2,760.81	2,553.64	207.16	13.327		
10,700.00	6,967.20	10,430.72	7,135.45	107.74	104.80	93.49	493.05	-2,235.00	2,762.46	2,549.95	212.51	12.999		
10,800.00	6,967.45	10,530.70	7,135.65	110.41	107.50	93.49	495.12	-2,334.96	2,764.11	2,546.25	217.87	12.687		
10,900.00	6,967.71	10,630.69	7,135.84	113.08	110.21	93.49	497.19	-2,434.93	2,765.77	2,542.52	223.25	12.389		
11,000.00	6,967.96	10,730.68	7,136.04	115.76	112.93	93.48	499.26	-2,534.89	2,767.42	2,538.78	228.64	12.104		
11,100.00	6,968.21	10,830.66	7,136.23	118.45	115.65	93.48	501.33	-2,634.86	2,769.07	2,535.02	234.05	11.831		
11,200.00	6,968.46	10,930.65	7,136.42	121.15	118.38	93.48	503.39	-2,734.82	2,770.72	2,531.25	239.48	11.570		
11,300.00	6,968.71	11,030.64	7,136.62	123.85	121.12	93.48	505.46	-2,834.79	2,772.37	2,527.46	244.91	11.320		
11,400.00	6,968.97	11,130.62	7,136.81	126.56	123.86	93.47	507.53	-2,934.75	2,774.03	2,523.66	250.36	11.080		
11,500.00	6,969.22	11,230.61	7,137.01	129.28	126.61	93.47	509.60	-3,034.72	2,775.68	2,519.85	255.83	10.850		
11,600.00	6,969.47	11,330.59	7,137.20	132.01	129.36	93.47	511.67	-3,134.68	2,777.33	2,516.03	261.30	10.629		
11,700.00	6,969.72	11,430.58	7,137.39	134.74	132.12	93.46	513.73	-3,234.65	2,778.98	2,512.20	266.78	10.417		
11,800.00	6,969.97	11,530.57	7,137.59	137.48	134.88	93.46	515.80	-3,334.61	2,780.64	2,508.36	272.28	10.213		
11,900.00	6,970.22	11,630.55	7,137.78	140.22	137.64	93.46	517.87	-3,434.58	2,782.29	2,504.51	277.78	10.016		
12,000.00	6,970.48	11,730.54	7,137.97	142.97	140.41	93.45	519.94	-3,534.54	2,783.94	2,500.65	283.29	9.827		
12,100.00	6,970.73	11,830.53	7,138.17	145.72	143.19	93.45	522.01	-3,634.50	2,785.59	2,496.79	288.81	9.645		
12,200.00	6,970.98	11,930.51	7,138.36	148.47	145.97	93.45	524.07	-3,734.47	2,787.24	2,492.91	294.33	9.470		
12,300.00	6,971.23	12,030.50	7,138.56	151.23	148.75	93.44	526.14	-3,834.43	2,788.90	2,489.03	299.87	9.300		
12,400.00	6,971.48	12,130.48	7,138.75	154.00	151.53	93.44	528.21	-3,934.40	2,790.55	2,485.14	305.41	9.137		
12,500.00	6,971.74	12,230.47	7,138.94	156.76	154.32	93.44	530.28	-4,034.36	2,792.20	2,481.25	310.95	8.980		
12,600.00	6,971.99	12,330.46	7,139.14	159.53	157.11	93.43	532.35	-4,134.33	2,793.85	2,477.35	316.51	8.827		
12,700.00	6,972.24	12,430.44	7,139.33	162.31	159.90	93.43	534.41	-4,234.29	2,795.51	2,473.44	322.06	8.680		
12,800.00	6,972.49	12,530.43	7,139.53	165.09	162.70	93.43	536.48	-4,334.26	2,797.16	2,469.53	327.63	8.538		
12,900.00	6,972.74	12,630.42	7,139.72	167.86	165.49	93.42	538.55	-4,434.22	2,798.81	2,465.61	333.20	8.400		
13,002.01	6,973.00	12,732.41	7,139.92	170.70	168.35	93.42	540.66	-4,536.20	2,800.50	2,461.61	338.88	8.264 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-46.28	1,621.95	-1,696.29	2,346.94					
100.00	100.00	104.00	96.00	3.28	3.78	-46.28	1,621.95	-1,696.29	2,346.94	2,339.87	7.07	332.059		
200.00	200.00	204.00	196.00	3.34	6.30	-46.28	1,621.95	-1,696.29	2,346.94	2,337.30	9.63	243.591		
300.00	300.00	304.00	296.00	3.44	9.45	-46.28	1,621.95	-1,696.29	2,346.94	2,334.04	12.90	181.944 CC		
400.00	399.98	404.02	395.98	3.60	12.79	164.32	1,621.95	-1,696.29	2,348.62	2,332.24	16.38	143.357 ES		
500.00	499.84	504.16	495.84	3.79	16.19	164.33	1,621.95	-1,696.29	2,353.66	2,333.68	19.98	117.806		
600.00	599.45	604.55	595.45	4.02	19.64	164.34	1,621.95	-1,696.29	2,362.05	2,338.39	23.66	99.843		
700.00	698.70	705.30	694.70	4.29	23.11	164.35	1,621.95	-1,696.29	2,373.79	2,346.39	27.40	86.626		
800.00	797.47	806.53	793.47	4.60	26.61	164.37	1,621.95	-1,696.29	2,388.87	2,357.66	31.21	76.551		
900.00	895.62	908.38	891.62	4.94	30.14	164.39	1,621.95	-1,696.29	2,407.27	2,372.21	35.06	68.652		
1,000.00	993.06	989.06	989.06	5.31	32.95	164.42	1,621.95	-1,696.29	2,428.98	2,390.76	38.22	63.559		
1,100.00	1,089.64	1,085.64	1,085.64	5.72	36.30	164.44	1,621.95	-1,696.29	2,453.97	2,412.02	41.94	58.506		
1,200.00	1,185.27	1,181.27	1,181.27	6.17	39.63	164.47	1,621.95	-1,696.29	2,482.22	2,436.56	45.66	54.365		
1,300.00	1,279.82	1,275.82	1,275.82	6.65	42.92	164.49	1,621.95	-1,696.29	2,513.71	2,464.35	49.35	50.932		
1,400.00	1,373.17	1,369.17	1,369.17	7.17	46.17	164.50	1,621.95	-1,696.29	2,548.40	2,495.37	53.03	48.060		
1,479.95	1,446.87	1,442.87	1,442.87	7.61	48.74	164.52	1,621.95	-1,696.29	2,578.42	2,522.48	55.94	46.093		
1,500.00	1,465.24	1,461.24	1,461.24	7.72	49.38	164.56	1,621.95	-1,696.29	2,586.20	2,529.53	56.67	45.636		
1,600.00	1,556.88	1,552.88	1,552.88	8.31	52.57	164.79	1,621.95	-1,696.29	2,625.02	2,564.73	60.30	43.536		
1,700.00	1,648.52	1,644.52	1,644.52	8.92	55.76	165.02	1,621.95	-1,696.29	2,663.89	2,599.96	63.93	41.667		
1,800.00	1,740.15	1,736.15	1,736.15	9.54	58.96	165.24	1,621.95	-1,696.29	2,702.79	2,635.21	67.58	39.994		
1,900.00	1,831.79	1,827.79	1,827.79	10.17	62.15	165.45	1,621.95	-1,696.29	2,741.72	2,670.48	71.24	38.488		
2,000.00	1,923.43	1,919.43	1,919.43	10.81	65.34	165.66	1,621.95	-1,696.29	2,780.68	2,705.78	74.90	37.126		
2,100.00	2,015.06	2,011.06	2,011.06	11.46	68.54	165.86	1,621.95	-1,696.29	2,819.67	2,741.11	78.57	35.889		
2,200.00	2,106.70	2,102.70	2,102.70	12.11	71.73	166.05	1,621.95	-1,696.29	2,858.69	2,776.45	82.24	34.760		
2,300.00	2,198.34	2,205.66	2,194.34	12.78	75.33	166.24	1,621.95	-1,696.29	2,897.74	2,811.43	86.31	33.573		
2,400.00	2,289.98	2,285.98	2,285.98	13.44	78.13	166.43	1,621.95	-1,696.29	2,936.82	2,847.22	89.60	32.777		
2,500.00	2,381.61	2,377.61	2,377.61	14.11	81.32	166.61	1,621.95	-1,696.29	2,975.92	2,882.63	93.28	31.902		
2,600.00	2,473.25	2,469.25	2,469.25	14.79	84.52	166.78	1,621.95	-1,696.29	3,015.04	2,918.07	96.97	31.092		
2,700.00	2,564.89	2,560.89	2,560.89	15.47	87.72	166.95	1,621.95	-1,696.29	3,054.19	2,953.53	100.66	30.342		
2,800.00	2,656.52	2,652.52	2,652.52	16.15	90.91	167.12	1,621.95	-1,696.29	3,093.36	2,989.01	104.35	29.643		
2,900.00	2,748.16	2,744.16	2,744.16	16.83	94.11	167.28	1,621.95	-1,696.29	3,132.56	3,024.51	108.05	28.993		
3,000.00	2,839.80	2,835.80	2,835.80	17.52	97.31	167.44	1,621.95	-1,696.29	3,171.77	3,060.03	111.74	28.385		
3,100.00	2,931.43	2,927.43	2,927.43	18.20	100.50	167.60	1,621.95	-1,696.29	3,211.00	3,095.56	115.44	27.816		
3,200.00	3,023.07	3,019.07	3,019.07	18.89	103.70	167.75	1,621.95	-1,696.29	3,250.26	3,131.12	119.14	27.282		
3,300.00	3,114.71	3,110.71	3,110.71	19.58	106.90	167.89	1,621.95	-1,696.29	3,289.53	3,166.69	122.84	26.780		
3,400.00	3,206.35	3,202.35	3,202.35	20.27	110.10	168.04	1,621.95	-1,696.29	3,328.82	3,202.28	126.54	26.307		
3,500.00	3,297.98	3,306.02	3,293.98	20.97	113.72	168.18	1,621.95	-1,696.29	3,368.13	3,237.47	130.66	25.778		
3,600.00	3,389.62	3,385.62	3,385.62	21.66	116.49	168.32	1,621.95	-1,696.29	3,407.45	3,273.51	133.94	25.440		
3,700.00	3,481.26	3,477.26	3,477.26	22.36	119.69	168.45	1,621.95	-1,696.29	3,446.79	3,309.15	137.64	25.041		
3,800.00	3,572.89	3,568.89	3,568.89	23.05	122.89	168.58	1,621.95	-1,696.29	3,486.15	3,344.80	141.35	24.664		
3,900.00	3,664.53	3,660.53	3,660.53	23.75	126.09	168.71	1,621.95	-1,696.29	3,525.52	3,380.47	145.05	24.305		
4,000.00	3,756.17	3,752.17	3,752.17	24.45	129.28	168.84	1,621.95	-1,696.29	3,564.91	3,416.15	148.76	23.964		
4,100.00	3,847.80	3,843.80	3,843.80	25.14	132.48	168.96	1,621.95	-1,696.29	3,604.31	3,451.85	152.46	23.640		
4,200.00	3,939.44	3,935.44	3,935.44	25.84	135.68	169.08	1,621.95	-1,696.29	3,643.73	3,487.56	156.17	23.332		
4,300.00	4,031.08	4,027.08	4,027.08	26.54	138.88	169.20	1,621.95	-1,696.29	3,683.16	3,523.28	159.88	23.037		
4,400.00	4,122.72	4,118.72	4,118.72	27.24	142.08	169.31	1,621.95	-1,696.29	3,722.60	3,559.01	163.58	22.756		
4,500.00	4,214.35	4,210.35	4,210.35	27.94	145.28	169.42	1,621.95	-1,696.29	3,762.05	3,594.76	167.29	22.488		
4,600.00	4,305.99	4,301.99	4,301.99	28.64	148.47	169.53	1,621.95	-1,696.29	3,801.52	3,630.52	171.00	22.231		
4,700.00	4,397.63	4,406.37	4,393.63	29.35	152.12	169.64	1,621.95	-1,696.29	3,840.99	3,665.84	175.15	21.929		
4,800.00	4,489.26	4,485.26	4,485.26	30.05	154.87	169.75	1,621.95	-1,696.29	3,880.48	3,702.07	178.42	21.750		
4,900.00	4,580.90	4,576.90	4,576.90	30.75	158.07	169.85	1,621.95	-1,696.29	3,919.98	3,737.86	182.13	21.524		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,668.54	4,668.54	31.45	161.27	169.95	1,621.95	-1,696.29	3,959.49	3,773.66	185.83	21.307		
5,100.00	4,764.17	4,760.17	4,760.17	32.16	164.47	170.05	1,621.95	-1,696.29	3,999.02	3,809.47	189.54	21.098		
5,200.00	4,855.81	4,851.81	4,851.81	32.86	167.66	170.15	1,621.95	-1,696.29	4,038.55	3,845.29	193.25	20.898		
5,300.00	4,947.45	4,943.45	4,943.45	33.56	170.86	170.25	1,621.95	-1,696.29	4,078.09	3,881.12	196.96	20.705		
5,400.00	5,039.08	5,035.08	5,035.08	34.27	174.06	170.34	1,621.95	-1,696.29	4,117.64	3,916.96	200.67	20.519		
5,500.00	5,130.72	5,126.72	5,126.72	34.97	177.26	170.43	1,621.95	-1,696.29	4,157.20	3,952.81	204.39	20.340		
5,600.00	5,222.36	5,218.36	5,218.36	35.68	180.46	170.53	1,621.95	-1,696.29	4,196.77	3,988.67	208.10	20.167		
5,700.00	5,314.00	5,310.00	5,310.00	36.38	183.66	170.61	1,621.95	-1,696.29	4,236.35	4,024.54	211.81	20.001		
5,800.00	5,405.63	5,401.63	5,401.63	37.08	186.85	170.70	1,621.95	-1,696.29	4,275.93	4,060.41	215.52	19.840		
5,900.00	5,497.27	5,506.73	5,493.27	37.79	190.52	170.79	1,621.95	-1,696.29	4,315.53	4,095.83	219.70	19.643		
6,000.00	5,588.91	5,584.91	5,584.91	38.50	193.25	170.87	1,621.95	-1,696.29	4,355.13	4,132.19	222.94	19.535		
6,100.00	5,680.54	5,676.54	5,676.54	39.20	196.45	170.95	1,621.95	-1,696.29	4,394.74	4,168.08	226.65	19.390		
6,200.00	5,772.18	5,768.18	5,768.18	39.91	199.65	171.04	1,621.95	-1,696.29	4,434.36	4,203.99	230.37	19.249		
6,300.00	5,863.82	5,859.82	5,859.82	40.61	202.85	171.12	1,621.95	-1,696.29	4,473.98	4,239.90	234.08	19.113		
6,400.00	5,955.45	5,951.45	5,951.45	41.32	206.05	171.19	1,621.95	-1,696.29	4,513.61	4,275.82	237.79	18.981		
6,500.00	6,047.09	6,043.09	6,043.09	42.02	209.24	171.27	1,621.95	-1,696.29	4,553.25	4,311.75	241.50	18.854		
6,600.00	6,138.73	6,134.73	6,134.73	42.73	212.44	171.35	1,621.95	-1,696.29	4,592.90	4,347.68	245.22	18.730		
6,700.00	6,230.37	6,226.37	6,226.37	43.44	215.64	171.42	1,621.95	-1,696.29	4,632.55	4,383.62	248.93	18.610		
6,712.03	6,241.39	6,237.39	6,237.39	43.52	216.03	171.43	1,621.95	-1,696.29	4,637.32	4,387.95	249.38	18.596		
6,750.00	6,276.38	6,272.38	6,272.38	43.78	217.25	163.02	1,621.95	-1,696.29	4,651.74	4,400.95	250.79	18.548		
6,800.00	6,322.91	6,318.91	6,318.91	44.09	218.87	150.84	1,621.95	-1,696.29	4,668.73	4,416.07	252.66	18.478		
6,850.00	6,369.70	6,365.70	6,365.70	44.36	220.51	138.03	1,621.95	-1,696.29	4,683.37	4,428.83	254.53	18.400		
6,900.00	6,416.45	6,412.45	6,412.45	44.59	222.14	125.59	1,621.95	-1,696.29	4,695.57	4,439.18	256.39	18.314		
6,950.00	6,462.87	6,458.87	6,458.87	44.79	223.76	114.45	1,621.95	-1,696.29	4,705.30	4,447.09	258.22	18.222		
7,000.00	6,508.69	6,504.69	6,504.69	44.95	225.36	105.12	1,621.95	-1,696.29	4,712.52	4,452.52	260.00	18.125		
7,050.00	6,553.61	6,549.61	6,549.61	45.09	226.93	97.65	1,621.95	-1,696.29	4,717.23	4,455.49	261.73	18.023		
7,100.00	6,597.37	6,606.63	6,593.37	45.20	228.92	91.83	1,621.95	-1,696.29	4,719.42	4,455.55	263.87	17.886		
7,150.00	6,639.68	6,635.68	6,635.68	45.30	229.93	87.40	1,621.95	-1,696.29	4,719.12	4,454.12	265.00	17.808		
7,200.00	6,680.29	6,676.29	6,676.29	45.39	231.35	84.09	1,621.95	-1,696.29	4,716.39	4,449.85	266.53	17.695		
7,250.00	6,718.96	6,714.96	6,714.96	45.48	232.70	81.69	1,621.95	-1,696.29	4,711.27	4,443.28	267.98	17.580		
7,300.00	6,755.43	6,751.43	6,751.43	45.57	233.97	80.04	1,621.95	-1,696.29	4,703.84	4,434.49	269.36	17.463		
7,350.00	6,789.49	6,785.49	6,785.49	45.67	235.16	79.01	1,621.95	-1,696.29	4,694.20	4,423.55	270.65	17.344		
7,400.00	6,820.93	6,816.93	6,816.93	45.77	236.26	78.52	1,621.95	-1,696.29	4,682.44	4,410.58	271.86	17.224		
7,450.00	6,849.55	6,845.55	6,845.55	45.89	237.26	78.50	1,621.95	-1,696.29	4,668.67	4,395.68	273.00	17.102		
7,500.00	6,875.17	6,871.17	6,871.17	46.02	238.15	78.89	1,621.95	-1,696.29	4,653.02	4,378.97	274.06	16.978		
7,550.00	6,897.64	6,906.36	6,893.64	46.17	239.38	79.64	1,621.95	-1,696.29	4,635.61	4,360.13	275.48	16.827		
7,600.00	6,916.82	6,912.82	6,912.82	46.35	239.60	80.73	1,621.95	-1,696.29	4,616.58	4,340.63	275.95	16.730		
7,650.00	6,932.60	6,928.60	6,928.60	46.55	240.15	82.13	1,621.95	-1,696.29	4,596.07	4,319.28	276.79	16.605		
7,700.00	6,944.86	6,940.86	6,940.86	46.78	240.58	83.81	1,621.95	-1,696.29	4,574.22	4,296.67	277.56	16.480		
7,750.00	6,953.55	6,949.55	6,949.55	47.04	240.89	85.74	1,621.95	-1,696.29	4,551.18	4,272.93	278.25	16.356		
7,800.00	6,958.59	6,954.59	6,954.59	47.33	241.06	87.91	1,621.95	-1,696.29	4,527.09	4,248.23	278.86	16.234		
7,842.10	6,960.00	6,956.00	6,956.00	47.60	241.11	89.92	1,621.95	-1,696.29	4,506.10	4,226.79	279.32	16.133		
7,900.00	6,960.15	6,956.15	6,956.15	48.01	241.12	89.92	1,621.95	-1,696.29	4,477.11	4,197.18	279.93	15.994		
8,000.00	6,960.40	6,956.40	6,956.40	48.86	241.13	89.92	1,621.95	-1,696.29	4,428.38	4,147.24	281.14	15.752		
8,100.00	6,960.65	6,956.65	6,956.65	49.87	241.13	89.93	1,621.95	-1,696.29	4,381.39	4,098.86	282.54	15.507		
8,200.00	6,960.91	6,956.91	6,956.91	51.06	241.14	89.93	1,621.95	-1,696.29	4,336.20	4,052.09	284.11	15.262		
8,300.00	6,961.16	6,957.16	6,957.16	52.41	241.15	89.93	1,621.95	-1,696.29	4,292.86	4,007.00	285.86	15.017		
8,400.00	6,961.41	6,957.41	6,957.41	53.93	241.16	89.94	1,621.95	-1,696.29	4,251.44	3,963.67	287.76	14.774		
8,500.00	6,961.66	6,957.66	6,957.66	55.59	241.17	89.94	1,621.95	-1,696.29	4,211.97	3,922.16	289.81	14.533		
8,600.00	6,961.91	6,957.91	6,957.91	57.37	241.18	89.94	1,621.95	-1,696.29	4,174.54	3,882.54	292.00	14.296		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - GILLESPIE #11-1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,958.16	6,958.16	59.27	241.19	89.95	1,621.95	-1,696.29	4,139.18	3,844.88	294.30	14.064		
8,800.00	6,962.42	6,958.42	6,958.42	61.26	241.20	89.95	1,621.95	-1,696.29	4,105.95	3,809.23	296.72	13.838		
8,900.00	6,962.67	6,958.67	6,958.67	63.34	241.20	89.95	1,621.95	-1,696.29	4,074.91	3,775.68	299.23	13.618		
9,000.00	6,962.92	6,958.92	6,958.92	65.49	241.21	89.96	1,621.95	-1,696.29	4,046.10	3,744.27	301.83	13.405		
9,100.00	6,963.17	6,959.17	6,959.17	67.70	241.22	89.96	1,621.95	-1,696.29	4,019.57	3,715.07	304.50	13.201		
9,200.00	6,963.42	6,959.42	6,959.42	69.97	241.23	89.97	1,621.95	-1,696.29	3,995.37	3,688.13	307.23	13.004		
9,300.00	6,963.68	6,959.68	6,959.68	72.28	241.24	89.97	1,621.95	-1,696.29	3,973.53	3,663.52	310.02	12.817		
9,400.00	6,963.93	6,959.93	6,959.93	74.64	241.25	89.97	1,621.95	-1,696.29	3,954.11	3,641.27	312.85	12.639		
9,500.00	6,964.18	6,960.18	6,960.18	77.04	241.26	89.98	1,621.95	-1,696.29	3,937.14	3,621.43	315.70	12.471		
9,600.00	6,964.43	6,960.43	6,960.43	79.48	241.27	89.98	1,621.95	-1,696.29	3,922.64	3,604.06	318.58	12.313		
9,700.00	6,964.68	6,960.68	6,960.68	81.94	241.27	89.98	1,621.95	-1,696.29	3,910.64	3,589.18	321.46	12.165		
9,800.00	6,964.94	6,960.94	6,960.94	84.43	241.28	89.99	1,621.95	-1,696.29	3,901.17	3,576.82	324.35	12.028		
9,900.00	6,965.19	6,961.19	6,961.19	86.95	241.29	89.99	1,621.95	-1,696.29	3,894.25	3,567.03	327.22	11.901		
10,000.00	6,965.44	6,961.44	6,961.44	89.49	241.30	90.00	1,621.95	-1,696.29	3,889.88	3,559.81	330.08	11.785		
10,100.00	6,965.69	6,961.69	6,961.69	92.05	241.31	90.00	1,621.95	-1,696.29	3,888.09	3,555.18	332.91	11.679		
10,119.85	6,965.74	6,961.74	6,961.74	92.56	241.31	90.00	1,621.95	-1,696.29	3,888.04	3,554.57	333.46	11.660		
10,200.00	6,965.94	6,961.94	6,961.94	94.63	241.32	90.00	1,621.95	-1,696.29	3,888.86	3,553.16	335.70	11.584		
10,300.00	6,966.19	6,962.19	6,962.19	97.22	241.33	90.01	1,621.95	-1,696.29	3,892.21	3,553.76	338.45	11.500		
10,400.00	6,966.45	6,962.45	6,962.45	99.83	241.34	90.01	1,621.95	-1,696.29	3,898.12	3,556.96	341.15	11.426		
10,500.00	6,966.70	6,962.70	6,962.70	102.46	241.35	90.01	1,621.95	-1,696.29	3,906.58	3,562.78	343.80	11.363		
10,600.00	6,966.95	6,962.95	6,962.95	105.09	241.35	90.02	1,621.95	-1,696.29	3,917.57	3,571.19	346.38	11.310		
10,700.00	6,967.20	6,963.20	6,963.20	107.74	241.36	90.02	1,621.95	-1,696.29	3,931.08	3,582.18	348.90	11.267		
10,800.00	6,967.45	6,963.45	6,963.45	110.41	241.37	90.03	1,621.95	-1,696.29	3,947.08	3,595.74	351.34	11.234		
10,900.00	6,967.71	6,963.71	6,963.71	113.08	241.38	90.03	1,621.95	-1,696.29	3,965.53	3,611.82	353.71	11.211		
11,000.00	6,967.96	6,963.96	6,963.96	115.76	241.39	90.03	1,621.95	-1,696.29	3,986.41	3,630.41	356.00	11.198		
11,100.00	6,968.21	6,964.21	6,964.21	118.45	241.40	90.04	1,621.95	-1,696.29	4,009.68	3,651.47	358.20	11.194 SF		
11,200.00	6,968.46	6,964.46	6,964.46	121.15	241.41	90.04	1,621.95	-1,696.29	4,035.29	3,674.96	360.33	11.199		
11,300.00	6,968.71	6,964.71	6,964.71	123.85	241.42	90.04	1,621.95	-1,696.29	4,063.20	3,700.83	362.37	11.213		
11,400.00	6,968.97	6,964.97	6,964.97	126.56	241.42	90.05	1,621.95	-1,696.29	4,093.36	3,729.04	364.32	11.236		
11,500.00	6,969.22	6,965.22	6,965.22	129.28	241.43	90.05	1,621.95	-1,696.29	4,125.73	3,759.54	366.18	11.267		
11,600.00	6,969.47	6,965.47	6,965.47	132.01	241.44	90.05	1,621.95	-1,696.29	4,160.25	3,792.28	367.96	11.306		
11,700.00	6,969.72	6,965.72	6,965.72	134.74	241.45	90.06	1,621.95	-1,696.29	4,196.86	3,827.21	369.66	11.353		
11,800.00	6,969.97	6,965.97	6,965.97	137.48	241.46	90.06	1,621.95	-1,696.29	4,235.53	3,864.26	371.27	11.408		
11,900.00	6,970.22	6,966.22	6,966.22	140.22	241.47	90.07	1,621.95	-1,696.29	4,276.18	3,903.39	372.79	11.471		
12,000.00	6,970.48	6,966.48	6,966.48	142.97	241.48	90.07	1,621.95	-1,696.29	4,318.77	3,944.53	374.23	11.540		
12,100.00	6,970.73	6,966.73	6,966.73	145.72	241.49	90.07	1,621.95	-1,696.29	4,363.23	3,987.63	375.60	11.617		
12,200.00	6,970.98	6,966.98	6,966.98	148.47	241.49	90.08	1,621.95	-1,696.29	4,409.51	4,032.63	376.88	11.700		
12,300.00	6,971.23	6,967.23	6,967.23	151.23	241.50	90.08	1,621.95	-1,696.29	4,457.56	4,079.47	378.09	11.790		
12,400.00	6,971.48	6,967.48	6,967.48	154.00	241.51	90.08	1,621.95	-1,696.29	4,507.31	4,128.08	379.23	11.885		
12,500.00	6,971.74	6,967.74	6,967.74	156.76	241.52	90.09	1,621.95	-1,696.29	4,558.71	4,178.42	380.30	11.987		
12,600.00	6,971.99	6,967.99	6,967.99	159.53	241.53	90.09	1,621.95	-1,696.29	4,611.71	4,230.42	381.29	12.095		
12,700.00	6,972.24	6,968.24	6,968.24	162.31	241.54	90.10	1,621.95	-1,696.29	4,666.25	4,284.03	382.23	12.208		
12,800.00	6,972.49	6,968.49	6,968.49	165.09	241.55	90.10	1,621.95	-1,696.29	4,722.28	4,339.18	383.10	12.327		
12,900.00	6,972.74	6,968.74	6,968.74	167.86	241.56	90.10	1,621.95	-1,696.29	4,779.75	4,395.84	383.91	12.450		
13,002.01	6,973.00	6,969.00	6,969.00	170.70	241.57	90.11	1,621.95	-1,696.29	4,839.79	4,455.11	384.68	12.581		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-105.67	-2,003.74	-7,141.89	7,417.66					
100.00	100.00	86.34	86.34	3.28	3.29	-105.67	-2,003.96	-7,141.85	7,417.67	7,411.10	6.57	1,128.990		
200.00	200.00	175.94	175.94	3.34	3.31	-105.68	-2,004.63	-7,141.74	7,417.77	7,411.12	6.65	1,115.770		
300.00	300.00	260.60	260.59	3.44	3.38	-105.69	-2,005.48	-7,141.79	7,418.09	7,411.26	6.83	1,086.575		
400.00	399.98	358.65	358.64	3.60	3.51	104.90	-2,006.60	-7,141.87	7,418.92	7,411.81	7.11	1,043.781		
500.00	499.84	449.60	449.59	3.79	3.67	104.90	-2,007.23	-7,142.17	7,420.78	7,413.32	7.46	994.984		
600.00	599.45	553.31	553.29	4.02	3.90	104.91	-2,007.66	-7,142.60	7,423.53	7,415.62	7.91	938.018		
700.00	698.70	638.41	638.39	4.29	4.11	104.91	-2,008.27	-7,142.89	7,427.23	7,418.83	8.40	884.471		
800.00	797.47	710.12	710.09	4.60	4.30	104.90	-2,008.70	-7,143.42	7,432.18	7,423.28	8.90	835.113		
900.00	895.62	794.48	794.45	4.94	4.55	104.90	-2,009.06	-7,144.32	7,438.33	7,428.84	9.49	784.208		
1,000.00	993.06	886.67	886.63	5.31	4.84	104.91	-2,009.63	-7,145.37	7,445.54	7,435.40	10.15	733.905		
1,100.00	1,089.64	970.00	969.95	5.72	5.11	104.91	-2,010.15	-7,146.39	7,453.82	7,442.99	10.82	688.600		
1,200.00	1,185.27	1,017.11	1,017.06	6.17	5.27	104.83	-2,010.11	-7,147.26	7,463.48	7,452.06	11.42	653.512		
1,300.00	1,279.82	1,061.00	1,060.93	6.65	5.42	104.72	-2,009.63	-7,148.50	7,474.81	7,462.77	12.04	620.706		
1,400.00	1,373.17	1,100.47	1,100.36	7.17	5.55	104.58	-2,008.86	-7,149.98	7,487.82	7,475.13	12.68	590.302		
1,479.95	1,446.87	1,153.00	1,152.81	7.61	5.73	104.52	-2,007.41	-7,152.49	7,499.51	7,486.21	13.30	563.954		
1,500.00	1,465.24	1,153.00	1,152.81	7.72	5.73	104.52	-2,007.41	-7,152.49	7,502.54	7,489.13	13.41	559.512		
1,600.00	1,556.88	1,178.11	1,177.86	8.31	5.82	104.60	-2,006.52	-7,153.92	7,518.31	7,504.25	14.06	534.591		
1,700.00	1,648.52	1,216.68	1,216.32	8.92	5.96	104.73	-2,004.86	-7,156.40	7,534.95	7,520.17	14.78	509.745		
1,800.00	1,740.15	1,248.00	1,247.51	9.54	6.07	104.84	-2,003.24	-7,158.66	7,552.44	7,536.96	15.49	487.703		
1,900.00	1,831.79	1,281.07	1,280.42	10.17	6.19	104.96	-2,001.34	-7,161.35	7,570.84	7,554.63	16.21	467.141		
2,000.00	1,923.43	1,308.88	1,308.06	10.81	6.29	105.06	-1,999.63	-7,163.87	7,590.19	7,573.28	16.91	448.736		
2,100.00	2,015.06	1,343.00	1,341.94	11.46	6.42	105.18	-1,997.41	-7,167.30	7,610.50	7,592.85	17.65	431.146		
2,200.00	2,106.70	1,375.52	1,374.18	12.11	6.55	105.30	-1,995.14	-7,170.83	7,631.68	7,613.30	18.39	415.030		
2,300.00	2,198.34	1,417.82	1,416.08	12.78	6.71	105.45	-1,991.90	-7,175.69	7,653.65	7,634.49	19.17	399.323		
2,400.00	2,289.98	1,472.31	1,469.97	13.44	6.93	105.65	-1,987.35	-7,182.33	7,676.36	7,656.36	20.00	383.811		
2,500.00	2,381.61	1,539.56	1,536.43	14.11	7.21	105.90	-1,981.47	-7,190.75	7,699.59	7,678.70	20.89	368.516		
2,600.00	2,473.25	1,623.15	1,619.01	14.79	7.56	106.21	-1,974.04	-7,201.34	7,723.22	7,701.35	21.87	353.215		
2,700.00	2,564.89	1,690.77	1,685.84	15.47	7.86	106.46	-1,968.28	-7,209.93	7,747.23	7,724.46	22.77	340.181		
2,800.00	2,656.52	1,832.42	1,825.95	16.15	8.49	106.97	-1,957.37	-7,227.61	7,771.51	7,747.48	24.02	323.482		
2,900.00	2,748.16	1,884.23	1,877.24	16.83	8.73	107.16	-1,953.70	-7,233.93	7,795.79	7,770.92	24.87	313.465		
3,000.00	2,839.80	2,006.38	1,998.26	17.52	9.29	107.58	-1,946.05	-7,248.69	7,820.42	7,794.38	26.04	300.276		
3,100.00	2,931.43	2,085.37	2,076.55	18.20	9.66	107.85	-1,941.11	-7,257.98	7,844.98	7,817.96	27.02	290.331		
3,200.00	3,023.07	2,156.71	2,147.19	18.89	9.99	108.10	-1,936.11	-7,266.54	7,869.91	7,841.94	27.96	281.427		
3,300.00	3,114.71	2,252.74	2,242.22	19.58	10.45	108.44	-1,928.77	-7,278.28	7,895.21	7,866.18	29.03	271.971		
3,400.00	3,206.35	2,373.16	2,361.44	20.27	11.03	108.86	-1,919.59	-7,292.51	7,920.41	7,890.19	30.22	262.105		
3,500.00	3,297.98	2,501.74	2,488.78	20.97	11.65	109.30	-1,909.29	-7,307.12	7,945.43	7,913.98	31.45	252.618		
3,600.00	3,389.62	2,586.75	2,572.96	21.66	12.06	109.60	-1,902.24	-7,316.61	7,970.52	7,938.05	32.47	245.455		
3,700.00	3,481.26	2,668.57	2,654.00	22.36	12.46	109.88	-1,895.60	-7,325.75	7,995.89	7,962.42	33.48	238.848		
3,800.00	3,572.89	2,729.37	2,714.22	23.05	12.76	110.09	-1,890.92	-7,332.62	8,021.66	7,987.29	34.37	233.363		
3,900.00	3,664.53	2,788.37	2,772.65	23.75	13.05	110.29	-1,886.42	-7,339.47	8,047.96	8,012.70	35.26	228.242		
4,000.00	3,756.17	2,845.84	2,829.53	24.45	13.34	110.48	-1,881.95	-7,346.36	8,074.79	8,038.65	36.14	223.446		
4,100.00	3,847.80	2,915.26	2,898.20	25.14	13.69	110.72	-1,876.39	-7,354.89	8,102.11	8,065.04	37.08	218.530		
4,200.00	3,939.44	3,027.79	3,009.51	25.84	14.25	111.10	-1,867.38	-7,368.74	8,129.72	8,091.48	38.24	212.611		
4,300.00	4,031.08	3,130.66	3,111.37	26.54	14.77	111.44	-1,859.69	-7,380.92	8,157.16	8,117.82	39.35	207.309		
4,400.00	4,122.72	3,185.41	3,165.56	27.24	15.04	111.62	-1,855.46	-7,387.45	8,184.93	8,144.72	40.21	203.578		
4,500.00	4,214.35	3,241.00	3,220.55	27.94	15.33	111.80	-1,851.12	-7,394.37	8,213.33	8,172.26	41.06	200.010		
4,600.00	4,305.99	3,300.00	3,278.74	28.64	15.62	112.55	-1,836.25	-7,421.80	8,241.43	8,193.46	47.97	171.802		
4,700.00	4,397.63	3,362.20	3,339.64	29.35	17.21	113.00	-1,827.19	-7,436.34	8,268.23	8,224.05	44.19	187.127		
4,800.00	4,489.26	3,421.47	3,397.12	30.05	17.70	113.32	-1,819.52	-7,446.30	8,295.14	8,249.86	45.28	183.202		
4,900.00	4,580.90	3,482.34	3,457.28	30.75	18.15	113.61	-1,812.47	-7,455.24	8,322.18	8,275.85	46.32	179.659		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		Falken 9-11 PAD - Harvesters Resources #15M-303(PR) - OH - OH											Offset Site Error:		0.00 ft
Survey Program:		146-MWD											Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,672.54	3,932.22	3,906.18	31.45	18.74	114.00	-1,802.33	-7,466.55	8,349.01	8,301.49	47.52	175.695			
5,100.00	4,764.17	3,976.81	3,950.39	32.16	18.97	114.14	-1,798.32	-7,470.87	8,376.33	8,328.01	48.32	173.358			
5,200.00	4,855.81	4,023.01	3,996.15	32.86	19.20	114.29	-1,794.18	-7,475.58	8,404.29	8,355.17	49.12	171.092			
5,300.00	4,947.45	4,071.20	4,043.87	33.56	19.44	114.44	-1,789.74	-7,480.70	8,432.86	8,382.93	49.93	168.886			
5,400.00	5,039.08	4,175.54	4,147.10	34.27	19.98	114.78	-1,779.72	-7,492.06	8,461.90	8,410.86	51.05	165.759			
5,500.00	5,130.72	4,276.30	4,246.87	34.97	20.49	115.10	-1,770.42	-7,502.64	8,490.81	8,438.67	52.14	162.833			
5,600.00	5,222.36	4,388.34	4,357.97	35.68	21.05	115.45	-1,761.71	-7,514.16	8,519.76	8,466.47	53.29	159.861			
5,700.00	5,314.00	4,610.30	4,578.54	36.38	22.13	116.10	-1,748.51	-7,535.10	8,548.34	8,493.32	55.02	155.366			
5,800.00	5,405.63	5,252.28	5,219.22	37.08	24.95	117.76	-1,736.37	-7,569.63	8,573.87	8,515.13	58.73	145.976			
5,900.00	5,497.27	5,344.73	5,311.66	37.79	25.32	117.99	-1,735.80	-7,571.53	8,596.03	8,536.28	59.75	143.863			
6,000.00	5,588.91	5,447.83	5,414.73	38.50	25.75	118.24	-1,735.27	-7,573.60	8,618.29	8,557.48	60.82	141.711			
6,100.00	5,680.54	5,563.72	5,530.60	39.20	26.21	118.52	-1,735.33	-7,575.54	8,640.37	8,578.43	61.94	139.502			
6,200.00	5,772.18	5,643.08	5,609.96	39.91	26.53	118.71	-1,735.57	-7,576.88	8,662.60	8,599.72	62.89	137.746			
6,300.00	5,863.82	5,724.18	5,691.04	40.61	26.86	118.90	-1,735.47	-7,578.37	8,685.11	8,621.26	63.85	136.028			
6,400.00	5,955.45	5,827.15	5,793.99	41.32	27.29	119.15	-1,735.32	-7,580.22	8,707.72	8,642.81	64.91	134.149			
6,500.00	6,047.09	5,917.40	5,884.23	42.02	27.66	119.36	-1,735.12	-7,581.77	8,730.40	8,664.49	65.91	132.453			
6,600.00	6,138.73	5,994.77	5,961.59	42.73	27.97	119.54	-1,735.05	-7,583.19	8,753.31	8,686.45	66.85	130.932			
6,700.00	6,230.37	6,700.00	6,115.59	43.44	30.81	119.90	-1,735.52	-7,585.64	8,776.13	8,705.69	70.45	124.576			
6,712.03	6,241.39	6,712.03	6,126.61	43.52	30.86	119.92	-1,735.57	-7,585.77	8,778.84	8,708.27	70.57	124.394			
6,750.00	6,276.38	6,225.21	6,192.00	43.78	28.90	112.71	-1,735.88	-7,586.40	8,786.19	8,717.40	68.79	127.723			
6,800.00	6,322.91	6,259.61	6,226.40	44.09	29.04	101.78	-1,736.06	-7,586.72	8,792.51	8,723.29	69.21	127.034			
6,850.00	6,369.70	6,304.72	6,271.50	44.36	29.22	90.00	-1,736.31	-7,587.20	8,795.00	8,725.34	69.66	126.254			
6,900.00	6,416.45	6,369.07	6,335.85	44.59	29.48	78.40	-1,736.71	-7,587.79	8,793.54	8,723.38	70.17	125.324			
6,950.00	6,462.87	6,555.24	6,521.27	44.79	30.16	68.11	-1,750.06	-7,588.22	8,787.67	8,716.52	71.15	123.513			
7,000.00	6,508.69	6,581.72	6,547.24	44.95	30.24	59.13	-1,755.23	-7,588.24	8,777.73	8,706.33	71.39	122.950			
7,050.00	6,553.61	6,600.00	6,565.05	45.09	30.30	51.80	-1,759.34	-7,588.33	8,764.12	8,692.55	71.57	122.458			
7,100.00	6,597.37	6,619.15	6,583.59	45.20	30.36	45.95	-1,764.10	-7,588.51	8,746.94	8,675.22	71.71	121.971			
7,150.00	6,639.68	6,638.38	6,602.10	45.30	30.42	41.32	-1,769.35	-7,588.78	8,726.29	8,654.46	71.83	121.487			
7,200.00	6,680.29	7,127.17	6,996.79	45.39	31.37	36.76	-2,046.06	-7,589.98	8,700.91	8,627.08	73.82	117.860			
7,250.00	6,718.96	7,157.79	7,016.45	45.48	31.42	33.68	-2,069.52	-7,589.61	8,671.49	8,597.50	73.99	117.199			
7,300.00	6,755.43	7,180.33	7,030.56	45.57	31.46	31.22	-2,087.10	-7,589.34	8,639.03	8,564.93	74.10	116.585			
7,350.00	6,789.49	7,259.80	7,076.89	45.67	31.65	28.90	-2,151.63	-7,588.56	8,603.80	8,529.27	74.53	115.438			
7,400.00	6,820.93	7,360.00	7,128.24	45.77	32.14	26.71	-2,237.63	-7,586.83	8,565.50	8,490.35	75.15	113.980			
7,450.00	6,849.55	7,360.00	7,128.24	45.89	32.14	25.43	-2,237.63	-7,586.83	8,524.90	8,449.78	75.12	113.490			
7,500.00	6,875.17	7,360.00	7,128.24	46.02	32.14	24.43	-2,237.63	-7,586.83	8,482.21	8,407.13	75.08	112.978			
7,550.00	6,897.64	7,613.00	7,206.92	46.17	34.02	20.42	-2,476.27	-7,581.19	8,437.58	8,360.50	77.08	109.471			
7,600.00	6,916.82	7,626.48	7,208.28	46.35	34.14	18.95	-2,489.68	-7,580.71	8,391.04	8,313.87	77.17	108.734			
7,650.00	6,932.60	7,627.38	7,208.36	46.55	34.15	17.49	-2,490.57	-7,580.68	8,343.28	8,266.13	77.15	108.140			
7,700.00	6,944.86	7,628.03	7,208.42	46.78	34.15	15.40	-2,491.21	-7,580.67	8,294.54	8,217.40	77.14	107.528			
7,750.00	6,953.55	7,628.40	7,208.45	47.04	34.16	11.01	-2,491.58	-7,580.65	8,245.08	8,167.95	77.13	106.902			
7,800.00	6,958.59	7,628.50	7,208.46	47.33	34.16	-12.57	-2,491.69	-7,580.65	8,195.22	8,118.09	77.12	106.261			
7,842.10	6,960.00	7,628.38	7,208.45	47.60	34.16	-133.64	-2,491.56	-7,580.66	8,153.14	8,076.01	77.13	105.712			
7,900.00	6,960.15	7,628.06	7,208.42	48.01	34.16	-133.67	-2,491.25	-7,580.66	8,095.28	8,018.15	77.13	104.952			
8,000.00	6,960.40	7,627.52	7,208.37	48.86	34.15	-133.72	-2,490.71	-7,580.68	7,995.38	7,918.23	77.15	103.639			
8,100.00	6,960.65	7,626.96	7,208.32	49.87	34.15	-133.78	-2,490.15	-7,580.70	7,895.47	7,818.31	77.16	102.325			
8,200.00	6,960.91	7,626.39	7,208.27	51.06	34.14	-133.84	-2,489.58	-7,580.71	7,795.56	7,718.39	77.18	101.009			
8,300.00	6,961.16	7,625.80	7,208.21	52.41	34.14	-133.90	-2,489.00	-7,580.73	7,695.66	7,618.47	77.19	99.692			
8,400.00	6,961.41	7,613.00	7,206.92	53.93	34.02	-135.26	-2,476.27	-7,581.19	7,595.82	7,518.72	77.10	98.524			
8,500.00	6,961.66	7,613.00	7,206.92	55.59	34.02	-135.26	-2,476.27	-7,581.19	7,495.92	7,418.80	77.12	97.197			
8,600.00	6,961.91	7,613.00	7,206.92	57.37	34.02	-135.26	-2,476.27	-7,581.19	7,396.02	7,318.87	77.15	95.868			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 146-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	7,613.00	7,206.92	59.27	34.02	-135.26	-2,476.27	-7,581.19	7,296.12	7,218.94	77.18	94.538		
8,800.00	6,962.42	7,613.00	7,206.92	61.26	34.02	-135.26	-2,476.27	-7,581.19	7,196.23	7,119.02	77.21	93.207		
8,900.00	6,962.67	7,613.00	7,206.92	63.34	34.02	-135.26	-2,476.27	-7,581.19	7,096.33	7,019.10	77.24	91.875		
9,000.00	6,962.92	7,613.00	7,206.92	65.49	34.02	-135.26	-2,476.27	-7,581.19	6,996.45	6,919.17	77.27	90.542		
9,100.00	6,963.17	7,613.00	7,206.92	67.70	34.02	-135.26	-2,476.27	-7,581.19	6,896.56	6,819.25	77.31	89.208		
9,200.00	6,963.42	7,613.00	7,206.92	69.97	34.02	-135.26	-2,476.27	-7,581.19	6,796.68	6,719.33	77.35	87.873		
9,300.00	6,963.68	7,379.17	7,137.20	72.28	32.26	-175.69	-2,254.57	-7,586.58	6,696.74	6,621.55	75.20	89.056		
9,400.00	6,963.93	7,378.61	7,136.94	74.64	32.25	-175.85	-2,254.07	-7,586.59	6,596.77	6,521.56	75.21	87.710		
9,500.00	6,964.18	7,378.05	7,136.68	77.04	32.25	-176.02	-2,253.57	-7,586.60	6,496.81	6,421.58	75.23	86.364		
9,600.00	6,964.43	7,377.47	7,136.42	79.48	32.25	-176.19	-2,253.06	-7,586.60	6,396.84	6,321.60	75.24	85.017		
9,700.00	6,964.68	7,376.88	7,136.15	81.94	32.24	-176.36	-2,252.54	-7,586.61	6,296.87	6,221.62	75.26	83.670		
9,800.00	6,964.94	7,376.28	7,135.87	84.43	32.24	-176.54	-2,252.00	-7,586.61	6,196.91	6,121.63	75.28	82.322		
9,900.00	6,965.19	7,375.67	7,135.59	86.95	32.23	-176.72	-2,251.46	-7,586.62	6,096.95	6,021.65	75.30	80.974		
10,000.00	6,965.44	7,375.04	7,135.30	89.49	32.23	-176.91	-2,250.91	-7,586.63	5,996.98	5,921.67	75.31	79.626		
10,100.00	6,965.69	7,374.41	7,135.00	92.05	32.23	-177.10	-2,250.34	-7,586.64	5,897.02	5,821.69	75.34	78.277		
10,200.00	6,965.94	7,373.75	7,134.70	94.63	32.22	-177.29	-2,249.76	-7,586.64	5,797.06	5,721.70	75.36	76.929		
10,300.00	6,966.19	7,373.09	7,134.39	97.22	32.22	-177.49	-2,249.17	-7,586.65	5,697.10	5,621.72	75.38	75.580		
10,400.00	6,966.45	7,372.41	7,134.08	99.83	32.21	-177.70	-2,248.57	-7,586.66	5,597.14	5,521.74	75.40	74.231		
10,500.00	6,966.70	7,371.71	7,133.75	102.46	32.21	-177.91	-2,247.95	-7,586.67	5,497.19	5,421.76	75.43	72.882		
10,600.00	6,966.95	7,371.00	7,133.42	105.09	32.21	-178.13	-2,247.33	-7,586.68	5,397.23	5,321.78	75.45	71.533		
10,700.00	6,967.20	7,370.28	7,133.09	107.74	32.20	-178.35	-2,246.68	-7,586.69	5,297.28	5,221.80	75.48	70.185		
10,800.00	6,967.45	7,369.53	7,132.74	110.41	32.20	-178.58	-2,246.03	-7,586.70	5,197.33	5,121.82	75.50	68.836		
10,900.00	6,967.71	7,368.77	7,132.38	113.08	32.19	-178.81	-2,245.35	-7,586.71	5,097.38	5,021.85	75.53	67.487		
11,000.00	6,967.96	7,368.00	7,132.02	115.76	32.19	-179.05	-2,244.67	-7,586.72	4,997.43	4,921.87	75.56	66.139		
11,100.00	6,968.21	7,367.20	7,131.64	118.45	32.18	-179.30	-2,243.97	-7,586.73	4,897.48	4,821.89	75.59	64.791		
11,200.00	6,968.46	7,366.39	7,131.26	121.15	32.18	-179.55	-2,243.25	-7,586.74	4,797.54	4,721.92	75.62	63.443		
11,300.00	6,968.71	7,366.00	7,128.24	123.85	32.14	178.41	-2,237.63	-7,586.83	4,697.60	4,622.01	75.59	62.143		
11,400.00	6,968.97	7,366.00	7,128.24	126.56	32.14	178.41	-2,237.63	-7,586.83	4,597.66	4,522.02	75.63	60.789		
11,500.00	6,969.22	7,366.00	7,128.24	129.28	32.14	178.41	-2,237.63	-7,586.83	4,497.72	4,422.04	75.68	59.434		
11,600.00	6,969.47	7,366.00	7,128.24	132.01	32.14	178.41	-2,237.63	-7,586.83	4,397.78	4,322.06	75.72	58.080		
11,700.00	6,969.72	7,366.00	7,128.24	134.74	32.14	178.41	-2,237.63	-7,586.83	4,297.85	4,222.08	75.76	56.727		
11,800.00	6,969.97	7,366.00	7,128.24	137.48	32.14	178.41	-2,237.63	-7,586.83	4,197.92	4,122.10	75.81	55.374		
11,900.00	6,970.22	7,366.00	7,128.24	140.22	32.14	178.41	-2,237.63	-7,586.83	4,097.99	4,022.13	75.86	54.021		
12,000.00	6,970.48	7,366.00	7,128.24	142.97	32.14	178.41	-2,237.63	-7,586.83	3,998.06	3,922.15	75.91	52.669		
12,100.00	6,970.73	7,366.00	7,128.24	145.72	32.14	178.41	-2,237.63	-7,586.83	3,898.14	3,822.18	75.96	51.318		
12,200.00	6,970.98	7,366.00	7,128.24	148.47	32.14	178.41	-2,237.63	-7,586.83	3,798.23	3,722.21	76.01	49.967		
12,300.00	6,971.23	7,366.00	7,128.24	151.23	32.14	178.41	-2,237.63	-7,586.83	3,698.32	3,622.25	76.07	48.617		
12,400.00	6,971.48	7,366.00	7,128.24	154.00	32.14	178.41	-2,237.63	-7,586.83	3,598.41	3,522.28	76.13	47.268		
12,500.00	6,971.74	7,366.00	7,128.24	156.76	32.14	178.41	-2,237.63	-7,586.83	3,498.51	3,422.32	76.19	45.919		
12,600.00	6,971.99	7,366.00	7,128.24	159.53	32.14	178.41	-2,237.63	-7,586.83	3,398.61	3,322.36	76.25	44.572		
12,700.00	6,972.24	7,352.99	7,124.87	162.31	32.10	176.10	-2,231.48	-7,586.94	3,298.71	3,222.49	76.22	43.277		
12,800.00	6,972.49	7,351.97	7,124.38	165.09	32.09	175.76	-2,230.58	-7,586.96	3,198.82	3,122.55	76.28	41.938		
12,900.00	6,972.74	7,350.91	7,123.87	167.86	32.08	175.40	-2,229.66	-7,586.98	3,098.94	3,022.61	76.33	40.599		
13,002.01	6,973.00	7,349.79	7,123.33	170.70	32.08	175.02	-2,228.68	-7,587.00	2,997.06	2,920.67	76.39	39.236 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-105.73	-2,002.29	-7,110.74	7,387.28					
100.00	100.00	113.48	113.48	3.28	3.29	-105.73	-2,002.48	-7,110.50	7,387.13	7,380.55	6.57	1,123.654		
200.00	200.00	204.55	204.55	3.34	3.33	-105.73	-2,002.96	-7,110.06	7,386.81	7,380.14	6.67	1,107.890		
248.00	248.00	238.00	238.00	3.38	3.36	-105.74	-2,003.26	-7,109.92	7,386.75	7,380.01	6.74	1,095.782		
300.00	300.00	263.16	263.15	3.44	3.38	-105.74	-2,003.50	-7,109.89	7,386.83	7,380.01	6.83	1,081.699		
400.00	399.98	306.83	306.82	3.60	3.43	104.84	-2,003.88	-7,110.13	7,388.03	7,381.00	7.03	1,050.662		
500.00	499.84	456.03	456.01	3.79	3.68	104.85	-2,005.37	-7,111.26	7,390.48	7,383.01	7.46	990.207		
600.00	599.45	583.46	583.43	4.02	3.96	104.87	-2,007.13	-7,111.03	7,392.90	7,384.92	7.98	926.435		
700.00	698.70	709.16	709.12	4.29	4.30	104.92	-2,008.56	-7,110.50	7,395.95	7,387.36	8.58	861.545		
800.00	797.47	799.89	799.84	4.60	4.56	104.94	-2,009.90	-7,109.93	7,399.82	7,390.66	9.16	807.936		
900.00	895.62	945.30	945.23	4.94	5.03	105.04	-2,011.99	-7,108.75	7,404.47	7,394.50	9.96	743.064		
1,000.00	993.06	1,044.07	1,043.99	5.31	5.36	105.10	-2,013.05	-7,107.53	7,409.54	7,398.86	10.67	694.241		
1,100.00	1,089.64	1,125.92	1,125.82	5.72	5.65	105.13	-2,013.41	-7,106.82	7,415.76	7,404.40	11.37	652.491		
1,200.00	1,185.27	1,223.40	1,223.31	6.17	6.00	105.20	-2,013.70	-7,106.15	7,423.12	7,410.96	12.16	610.662		
1,300.00	1,279.82	1,306.96	1,306.86	6.65	6.30	105.23	-2,014.01	-7,105.53	7,431.48	7,418.54	12.94	574.315		
1,400.00	1,373.17	1,404.68	1,404.58	7.17	6.67	105.31	-2,014.38	-7,104.99	7,441.06	7,427.24	13.82	538.474		
1,479.95	1,446.87	1,487.83	1,487.73	7.61	6.99	105.39	-2,014.40	-7,104.42	7,449.34	7,434.77	14.57	511.282		
1,500.00	1,465.24	1,506.18	1,506.08	7.72	7.05	105.44	-2,014.39	-7,104.29	7,451.50	7,436.75	14.75	505.113		
1,600.00	1,556.88	1,607.75	1,607.64	8.31	7.44	105.74	-2,014.37	-7,103.54	7,462.38	7,446.66	15.72	474.774		
1,700.00	1,648.52	1,687.05	1,686.94	8.92	7.75	105.98	-2,014.34	-7,102.91	7,473.41	7,456.79	16.62	449.703		
1,800.00	1,740.15	1,774.77	1,774.66	9.54	8.10	106.24	-2,014.44	-7,102.38	7,484.83	7,467.26	17.57	425.974		
1,900.00	1,831.79	1,848.70	1,848.59	10.17	8.39	106.45	-2,014.78	-7,101.85	7,496.43	7,477.95	18.48	405.685		
2,000.00	1,923.43	1,895.49	1,895.38	10.81	8.57	106.59	-2,014.78	-7,101.82	7,508.69	7,489.41	19.28	389.432		
2,100.00	2,015.06	1,945.71	1,945.60	11.46	8.76	106.74	-2,014.46	-7,102.17	7,521.69	7,501.59	20.10	374.221		
2,200.00	2,106.70	2,012.00	2,011.87	12.11	9.01	106.94	-2,013.53	-7,103.12	7,535.37	7,514.39	20.98	359.131		
2,300.00	2,198.34	2,061.46	2,061.30	12.78	9.20	107.10	-2,012.38	-7,104.14	7,549.64	7,527.83	21.81	346.230		
2,400.00	2,289.98	2,137.72	2,137.50	13.44	9.49	107.34	-2,009.69	-7,106.12	7,564.42	7,541.68	22.74	332.666		
2,500.00	2,381.61	2,252.92	2,252.47	14.11	9.94	107.73	-2,003.42	-7,109.44	7,579.38	7,555.54	23.84	317.971		
2,600.00	2,473.25	2,371.71	2,370.95	14.79	10.41	108.13	-1,995.35	-7,112.62	7,594.16	7,569.20	24.96	304.255		
2,700.00	2,564.89	2,434.47	2,433.50	15.47	10.66	108.35	-1,990.54	-7,114.35	7,609.16	7,583.30	25.86	294.272		
2,800.00	2,656.52	2,487.00	2,485.82	16.15	10.87	108.53	-1,986.28	-7,116.10	7,624.83	7,598.12	26.71	285.429		
2,900.00	2,748.16	2,597.19	2,595.51	16.83	11.32	108.92	-1,976.50	-7,120.02	7,640.85	7,613.03	27.82	274.653		
3,000.00	2,839.80	2,676.51	2,674.39	17.52	11.65	109.21	-1,968.74	-7,122.90	7,657.08	7,628.28	28.80	265.873		
3,100.00	2,931.43	2,736.70	2,734.20	18.20	11.91	109.42	-1,962.38	-7,125.27	7,673.76	7,644.06	29.70	258.388		
3,200.00	3,023.07	2,798.37	2,795.42	18.89	12.17	109.65	-1,955.38	-7,128.00	7,691.04	7,660.43	30.60	251.302		
3,300.00	3,114.71	2,863.43	2,859.97	19.58	12.45	109.89	-1,947.94	-7,131.07	7,708.85	7,677.33	31.53	244.514		
3,400.00	3,206.35	2,943.23	2,939.19	20.27	12.79	110.18	-1,939.15	-7,134.94	7,727.12	7,694.60	32.52	237.621		
3,500.00	3,297.98	3,000.26	2,995.83	20.97	13.04	110.38	-1,933.18	-7,137.75	7,745.84	7,712.43	33.41	231.875		
3,600.00	3,389.62	3,058.00	3,053.17	21.66	13.29	110.59	-1,927.11	-7,140.92	7,765.25	7,730.95	34.29	226.432		
3,700.00	3,481.26	3,124.14	3,118.84	22.36	13.58	110.83	-1,920.19	-7,144.75	7,785.21	7,749.99	35.22	221.031		
3,800.00	3,572.89	3,262.36	3,256.16	23.05	14.19	111.31	-1,906.43	-7,152.37	7,805.34	7,768.85	36.50	213.874		
3,900.00	3,664.53	3,391.50	3,384.54	23.75	14.77	111.76	-1,893.79	-7,158.39	7,824.91	7,787.18	37.73	207.402		
4,000.00	3,756.17	3,489.25	3,481.66	24.45	15.21	112.11	-1,883.74	-7,162.87	7,844.70	7,805.89	38.81	202.111		
4,100.00	3,847.80	3,579.28	3,571.12	25.14	15.61	112.42	-1,874.33	-7,166.78	7,864.54	7,824.67	39.86	197.287		
4,200.00	3,939.44	3,644.28	3,635.70	25.84	15.91	112.65	-1,867.58	-7,169.71	7,884.79	7,844.00	40.79	193.301		
4,300.00	4,031.08	3,697.54	3,688.61	26.54	16.15	112.83	-1,862.09	-7,172.31	7,905.64	7,863.98	41.66	189.779		
4,400.00	4,122.72	3,771.38	3,761.97	27.24	16.49	113.08	-1,854.59	-7,176.18	7,927.05	7,884.42	42.62	185.975		
4,500.00	4,214.35	3,840.84	3,830.98	27.94	16.81	113.32	-1,847.66	-7,179.82	7,948.76	7,905.19	43.57	182.442		
4,600.00	4,305.99	3,886.32	3,876.13	28.64	17.02	113.48	-1,842.88	-7,182.43	7,971.11	7,926.72	44.39	179.570		
4,700.00	4,397.63	3,942.23	3,931.59	29.35	17.28	113.67	-1,836.65	-7,185.94	7,994.13	7,948.87	45.26	176.618		
4,800.00	4,489.26	4,014.69	4,003.42	30.05	17.62	113.93	-1,828.40	-7,190.66	8,017.63	7,971.41	46.22	173.470		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
4,900.00	4,580.90	4,099.34	4,087.29	30.75	18.02	114.22	-1,818.36	-7,196.26	8,041.45	7,994.21	47.24	170.224			
5,000.00	4,672.54	4,270.51	4,256.95	31.45	18.83	114.82	-1,798.03	-7,206.21	8,064.62	8,015.91	48.72	165.538			
5,100.00	4,764.17	5,100.00	4,423.31	32.16	22.74	115.39	-1,779.77	-7,214.84	8,087.87	8,034.62	53.25	151.883			
5,200.00	4,855.81	4,575.91	4,560.23	32.86	20.27	115.85	-1,765.09	-7,220.41	8,110.23	8,058.76	51.47	157.582			
5,300.00	4,947.45	4,715.22	4,698.73	33.56	20.92	116.30	-1,750.89	-7,225.18	8,132.32	8,079.56	52.77	154.121			
5,400.00	5,039.08	4,824.44	4,807.52	34.27	21.42	116.65	-1,741.79	-7,228.58	8,154.49	8,100.59	53.90	151.283			
5,500.00	5,130.72	4,917.56	4,900.38	34.97	21.84	116.93	-1,735.41	-7,231.14	8,176.57	8,121.62	54.95	148.801			
5,600.00	5,222.36	5,201.62	5,184.17	35.68	23.07	117.72	-1,724.98	-7,235.52	8,197.74	8,140.83	56.91	144.056			
5,700.00	5,314.00	5,268.82	5,251.36	36.38	23.35	117.90	-1,724.08	-7,235.86	8,218.22	8,160.41	57.81	142.157			
5,800.00	5,405.63	5,338.00	5,320.54	37.08	23.64	118.08	-1,723.42	-7,236.42	8,239.13	8,180.41	58.72	140.309			
5,900.00	5,497.27	5,390.51	5,373.04	37.79	23.85	118.21	-1,723.09	-7,237.03	8,260.53	8,200.98	59.55	138.719			
6,000.00	5,588.91	5,433.00	5,415.53	38.50	24.03	118.32	-1,722.93	-7,237.69	8,282.48	8,222.16	60.33	137.298			
6,100.00	5,680.54	5,495.75	5,478.26	39.20	24.29	118.48	-1,722.83	-7,238.96	8,304.99	8,243.79	61.19	135.718			
6,200.00	5,772.18	5,766.88	5,749.32	39.91	25.37	119.12	-1,726.98	-7,241.90	8,326.42	8,263.40	63.02	132.116			
6,300.00	5,863.82	5,854.85	5,837.28	40.61	25.72	119.33	-1,728.51	-7,242.06	8,347.45	8,283.44	64.00	130.419			
6,400.00	5,955.45	5,933.52	5,915.95	41.32	26.03	119.51	-1,729.52	-7,242.29	8,368.70	8,303.76	64.94	128.861			
6,500.00	6,047.09	6,007.26	5,989.68	42.02	26.33	119.69	-1,730.24	-7,242.64	8,390.28	8,324.42	65.86	127.396			
6,600.00	6,138.73	6,092.73	6,075.15	42.73	26.68	119.89	-1,730.96	-7,243.18	8,412.11	8,345.28	66.83	125.871			
6,700.00	6,230.37	6,178.23	6,160.65	43.44	27.03	120.09	-1,731.70	-7,243.77	8,434.15	8,366.34	67.80	124.394			
6,712.03	6,241.39	6,188.52	6,170.94	43.52	27.07	120.11	-1,731.80	-7,243.85	8,436.81	8,368.89	67.92	124.219			
6,750.00	6,276.38	6,219.13	6,201.54	43.78	27.19	112.82	-1,732.09	-7,244.09	8,444.13	8,375.86	68.27	123.683			
6,800.00	6,322.91	6,259.38	6,241.79	44.09	27.36	101.91	-1,732.44	-7,244.42	8,450.42	8,381.70	68.72	122.968			
6,850.00	6,369.70	6,297.53	6,279.93	44.36	27.51	90.11	-1,732.75	-7,244.77	8,452.88	8,383.75	69.13	122.269			
6,900.00	6,416.45	6,330.01	6,312.41	44.59	27.65	78.45	-1,732.95	-7,245.11	8,451.52	8,382.03	69.49	121.626			
6,950.00	6,462.87	6,362.24	6,344.64	44.79	27.78	67.88	-1,733.07	-7,245.51	8,446.35	8,376.55	69.80	120.999			
7,000.00	6,508.69	6,416.22	6,398.62	44.95	28.00	58.99	-1,733.15	-7,246.21	8,437.40	8,367.21	70.19	120.206			
7,050.00	6,553.61	6,452.54	6,434.93	45.09	28.15	51.74	-1,733.22	-7,246.66	8,424.61	8,354.15	70.46	119.571			
7,100.00	6,597.37	6,477.00	6,459.39	45.20	28.25	45.93	-1,733.60	-7,247.02	8,408.18	8,337.55	70.63	119.044			
7,150.00	6,639.68	6,500.53	6,482.89	45.30	28.35	41.34	-1,734.49	-7,247.45	8,388.24	8,317.47	70.77	118.528			
7,200.00	6,680.29	6,519.49	6,501.81	45.39	28.42	37.70	-1,735.67	-7,247.87	8,364.89	8,294.03	70.86	118.046			
7,250.00	6,718.96	6,541.00	6,523.23	45.48	28.51	34.83	-1,737.55	-7,248.44	8,338.29	8,267.35	70.94	117.536			
7,300.00	6,755.43	7,344.37	7,170.96	45.57	31.36	31.15	-2,158.32	-7,250.86	8,306.11	8,231.45	74.65	111.263			
7,350.00	6,789.49	7,362.00	7,179.82	45.67	31.45	29.15	-2,173.56	-7,250.50	8,270.17	8,195.42	74.74	110.647			
7,400.00	6,820.93	7,375.73	7,186.50	45.77	31.53	27.55	-2,185.54	-7,250.24	8,231.69	8,156.89	74.80	110.044			
7,450.00	6,849.55	7,388.91	7,192.73	45.89	31.61	26.27	-2,197.16	-7,250.02	8,190.91	8,116.05	74.85	109.426			
7,500.00	6,875.17	7,420.99	7,206.99	46.02	31.80	25.07	-2,225.89	-7,249.53	8,148.02	8,072.98	75.04	108.589			
7,550.00	6,897.64	7,460.07	7,222.35	46.17	32.05	23.96	-2,261.81	-7,248.91	8,103.23	8,027.96	75.28	107.643			
7,600.00	6,916.82	7,467.20	7,224.92	46.35	32.10	23.40	-2,268.46	-7,248.80	8,056.86	7,981.56	75.29	107.005			
7,650.00	6,932.60	7,474.53	7,227.49	46.55	32.15	23.10	-2,275.33	-7,248.69	8,009.18	7,933.87	75.32	106.342			
7,700.00	6,944.86	7,480.00	7,229.37	46.78	32.18	23.20	-2,280.46	-7,248.62	7,960.49	7,885.16	75.33	105.678			
7,750.00	6,953.55	7,483.63	7,230.59	47.04	32.21	24.26	-2,283.88	-7,248.57	7,911.07	7,835.73	75.34	105.012			
7,800.00	6,958.59	7,485.46	7,231.21	47.33	32.22	32.02	-2,285.60	-7,248.54	7,861.21	7,785.87	75.34	104.346			
7,842.10	6,960.00	7,485.61	7,231.26	47.60	32.22	-170.80	-2,285.74	-7,248.54	7,819.12	7,743.78	75.34	103.786			
7,900.00	6,960.15	7,484.94	7,231.03	48.01	32.22	-170.93	-2,285.11	-7,248.55	7,761.25	7,685.91	75.34	103.018			
8,000.00	6,960.40	7,483.76	7,230.64	48.86	32.21	-171.15	-2,284.00	-7,248.56	7,661.31	7,585.97	75.34	101.691			
8,100.00	6,960.65	7,482.57	7,230.24	49.87	32.20	-171.38	-2,282.88	-7,248.58	7,561.37	7,486.03	75.34	100.363			
8,200.00	6,960.91	7,481.36	7,229.83	51.06	32.19	-171.61	-2,281.74	-7,248.60	7,461.43	7,386.09	75.34	99.034			
8,300.00	6,961.16	7,480.14	7,229.42	52.41	32.19	-171.85	-2,280.59	-7,248.61	7,361.49	7,286.15	75.35	97.704			
8,400.00	6,961.41	7,478.90	7,229.00	53.93	32.18	-172.09	-2,279.43	-7,248.63	7,261.56	7,186.21	75.35	96.373			
8,500.00	6,961.66	7,477.65	7,228.57	55.59	32.17	-172.33	-2,278.25	-7,248.65	7,161.62	7,086.27	75.35	95.041			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
8,600.00	6,961.91	7,476.38	7,228.13	57.37	32.16	-172.58	-2,277.06	-7,248.67	7,061.69	6,986.33	75.36	93.708			
8,700.00	6,962.16	7,475.09	7,227.68	59.27	32.15	-172.83	-2,275.85	-7,248.68	6,961.76	6,886.40	75.37	92.374			
8,800.00	6,962.42	7,473.78	7,227.23	61.26	32.14	-173.08	-2,274.62	-7,248.70	6,861.83	6,786.46	75.37	91.039			
8,900.00	6,962.67	7,472.46	7,226.77	63.34	32.13	-173.34	-2,273.38	-7,248.72	6,761.90	6,686.52	75.38	89.704			
9,000.00	6,962.92	7,471.11	7,226.30	65.49	32.13	-173.61	-2,272.12	-7,248.74	6,661.98	6,586.59	75.39	88.368			
9,100.00	6,963.17	7,469.75	7,225.82	67.70	32.12	-173.88	-2,270.85	-7,248.76	6,562.05	6,486.66	75.40	87.031			
9,200.00	6,963.42	7,468.37	7,225.33	69.97	32.11	-174.15	-2,269.55	-7,248.78	6,462.13	6,386.72	75.41	85.694			
9,300.00	6,963.68	7,466.97	7,224.83	72.28	32.10	-174.43	-2,268.24	-7,248.80	6,362.21	6,286.79	75.42	84.356			
9,400.00	6,963.93	7,465.55	7,224.33	74.64	32.09	-174.72	-2,266.92	-7,248.82	6,262.29	6,186.86	75.43	83.018			
9,500.00	6,964.18	7,464.11	7,223.81	77.04	32.08	-175.01	-2,265.57	-7,248.85	6,162.38	6,086.93	75.45	81.679			
9,600.00	6,964.43	7,462.64	7,223.28	79.48	32.07	-175.31	-2,264.21	-7,248.87	6,062.47	5,987.01	75.46	80.340			
9,700.00	6,964.68	7,461.16	7,222.75	81.94	32.06	-175.61	-2,262.83	-7,248.89	5,962.56	5,887.08	75.48	79.000			
9,800.00	6,964.94	7,463.14	7,223.46	84.43	32.07	-175.20	-2,264.68	-7,248.86	5,862.65	5,787.12	75.52	77.629			
9,900.00	6,965.19	7,459.58	7,222.17	86.95	32.05	-175.93	-2,261.36	-7,248.92	5,762.74	5,687.22	75.52	76.307			
10,000.00	6,965.44	7,456.04	7,220.87	89.49	32.03	-176.65	-2,258.06	-7,248.97	5,662.84	5,587.32	75.52	74.984			
10,100.00	6,965.69	7,452.53	7,219.56	92.05	32.00	-177.38	-2,254.80	-7,249.03	5,562.94	5,487.42	75.52	73.661			
10,200.00	6,965.94	7,449.03	7,218.24	94.63	31.98	-178.11	-2,251.57	-7,249.08	5,463.04	5,387.52	75.52	72.337			
10,300.00	6,966.19	7,445.56	7,216.91	97.22	31.96	-178.85	-2,248.36	-7,249.14	5,363.15	5,287.62	75.53	71.011			
10,400.00	6,966.45	7,442.11	7,215.58	99.83	31.94	-179.58	-2,245.18	-7,249.19	5,263.25	5,187.73	75.53	69.686			
10,500.00	6,966.70	7,438.68	7,214.23	102.46	31.91	-179.68	-2,242.03	-7,249.25	5,163.37	5,087.83	75.53	68.359			
10,600.00	6,966.95	7,435.28	7,212.87	105.09	31.89	-178.95	-2,238.90	-7,249.30	5,063.48	4,987.94	75.54	67.032			
10,700.00	6,967.20	7,431.89	7,211.51	107.74	31.87	-178.21	-2,235.81	-7,249.35	4,963.60	4,888.05	75.54	65.704			
10,800.00	6,967.45	7,428.53	7,210.13	110.41	31.85	-177.47	-2,232.74	-7,249.41	4,863.72	4,788.16	75.55	64.376			
10,900.00	6,967.71	7,425.21	7,208.76	113.08	31.83	-176.73	-2,229.72	-7,249.46	4,763.84	4,688.28	75.56	63.046			
11,000.00	6,967.96	7,421.97	7,207.41	115.76	31.81	-176.01	-2,226.78	-7,249.51	4,663.97	4,588.40	75.57	61.715			
11,100.00	6,968.21	7,418.76	7,206.05	118.45	31.79	-175.28	-2,223.86	-7,249.56	4,564.10	4,488.52	75.58	60.384			
11,200.00	6,968.46	7,415.56	7,204.68	121.15	31.77	-174.55	-2,220.98	-7,249.61	4,464.24	4,388.64	75.60	59.052			
11,300.00	6,968.71	7,412.39	7,203.31	123.85	31.75	-173.83	-2,218.11	-7,249.66	4,364.38	4,288.77	75.61	57.719			
11,400.00	6,968.97	7,409.23	7,201.93	126.56	31.73	-173.10	-2,215.27	-7,249.71	4,264.53	4,188.90	75.63	56.387			
11,500.00	6,969.22	7,406.10	7,200.55	129.28	31.71	-172.37	-2,212.46	-7,249.76	4,164.68	4,089.04	75.65	55.053			
11,600.00	6,969.47	7,402.98	7,199.16	132.01	31.69	-171.64	-2,209.67	-7,249.80	4,064.84	3,989.18	75.67	53.720			
11,700.00	6,969.72	7,399.89	7,197.77	134.74	31.68	-170.92	-2,206.91	-7,249.85	3,965.01	3,889.32	75.69	52.386			
11,800.00	6,969.97	7,396.81	7,196.38	137.48	31.66	-170.19	-2,204.17	-7,249.90	3,865.18	3,789.47	75.71	51.051			
11,900.00	6,970.22	7,394.00	7,195.09	140.22	31.64	-169.52	-2,201.67	-7,249.94	3,765.36	3,689.63	75.74	49.715			
12,000.00	6,970.48	7,392.41	7,194.36	142.97	31.63	-169.14	-2,200.26	-7,249.97	3,665.55	3,589.77	75.78	48.369			
12,100.00	6,970.73	7,390.91	7,193.66	145.72	31.62	-168.78	-2,198.93	-7,249.99	3,565.75	3,489.93	75.83	47.023			
12,200.00	6,970.98	7,389.37	7,192.95	148.47	31.61	-168.40	-2,197.57	-7,250.01	3,465.97	3,390.09	75.88	45.678			
12,300.00	6,971.23	7,387.80	7,192.21	151.23	31.60	-168.03	-2,196.18	-7,250.04	3,366.19	3,290.26	75.93	44.333			
12,400.00	6,971.48	7,386.20	7,191.46	154.00	31.59	-167.64	-2,194.76	-7,250.06	3,266.42	3,190.44	75.98	42.988			
12,500.00	6,971.74	7,384.56	7,190.69	156.76	31.59	-167.24	-2,193.31	-7,250.09	3,166.67	3,090.63	76.04	41.644			
12,600.00	6,971.99	7,382.88	7,189.90	159.53	31.58	-166.83	-2,191.83	-7,250.12	3,066.94	2,990.83	76.10	40.300			
12,700.00	6,972.24	7,381.16	7,189.09	162.31	31.57	-166.41	-2,190.32	-7,250.15	2,967.22	2,891.05	76.17	38.956			
12,800.00	6,972.49	7,379.41	7,188.26	165.09	31.56	-165.97	-2,188.78	-7,250.18	2,867.52	2,791.28	76.24	37.613			
12,900.00	6,972.74	7,377.61	7,187.40	167.86	31.54	-165.53	-2,187.20	-7,250.21	2,767.84	2,691.52	76.31	36.270			
13,002.01	6,973.00	7,375.73	7,186.50	170.70	31.53	-165.07	-2,185.55	-7,250.24	2,666.17	2,589.78	76.39	34.900 CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	231.87	231.79	3.28	3.36	-105.81	-2,003.85	-7,078.53	7,360.67					
100.00	100.00	319.30	319.18	3.28	3.46	-105.81	-2,003.27	-7,075.78	7,357.47	7,350.72	6.74	1,090.931		
200.00	200.00	368.10	367.96	3.34	3.53	-105.81	-2,003.15	-7,074.38	7,354.67	7,347.80	6.87	1,071.173		
300.00	300.00	422.00	421.84	3.44	3.62	-105.80	-2,002.10	-7,073.59	7,352.65	7,345.58	7.06	1,040.777		
400.00	399.98	457.80	457.62	3.60	3.69	104.83	-2,001.20	-7,073.40	7,351.80	7,344.52	7.28	1,009.529		
401.68	401.66	458.59	458.41	3.60	3.69	104.83	-2,001.19	-7,073.40	7,351.80	7,344.51	7.29	1,008.915		
500.00	499.84	513.00	512.82	3.79	3.81	104.84	-2,000.33	-7,073.36	7,352.59	7,345.00	7.59	969.179		
600.00	599.45	603.84	603.66	4.02	4.02	104.87	-1,999.71	-7,073.41	7,354.68	7,346.65	8.03	915.776		
700.00	698.70	767.67	767.47	4.29	4.47	104.98	-1,998.14	-7,072.39	7,356.84	7,348.09	8.75	840.521		
800.00	797.47	867.42	867.21	4.60	4.78	105.04	-1,996.83	-7,071.66	7,359.87	7,350.50	9.37	785.760		
900.00	895.62	940.08	939.87	4.94	5.01	105.07	-1,996.19	-7,071.14	7,363.98	7,354.04	9.94	740.601		
1,000.00	993.06	1,078.10	1,077.87	5.31	5.49	105.22	-1,994.33	-7,070.40	7,369.16	7,358.37	10.79	683.070		
1,100.00	1,089.64	1,141.34	1,141.10	5.72	5.71	105.24	-1,993.18	-7,070.08	7,375.16	7,363.74	11.42	645.820		
1,200.00	1,185.27	1,198.24	1,197.99	6.17	5.91	105.23	-1,992.15	-7,070.00	7,382.56	7,370.49	12.06	611.904		
1,300.00	1,279.82	2,054.92	2,052.10	6.65	9.33	107.42	-1,956.48	-7,032.60	7,387.98	7,372.10	15.87	465.391		
1,319.26	1,297.89	2,062.03	2,059.15	6.75	9.36	107.44	-1,955.86	-7,031.99	7,387.94	7,371.94	16.00	461.658		
1,400.00	1,373.17	2,107.00	2,103.80	7.17	9.56	107.57	-1,951.84	-7,028.38	7,388.62	7,372.01	16.61	444.853		
1,479.95	1,446.87	1,479.95	2,269.14	7.61	6.88	108.11	-1,937.16	-7,013.80	7,389.72	7,375.26	14.45	511.348		
1,500.00	1,465.24	2,315.94	2,311.09	7.72	10.50	108.25	-1,933.62	-7,009.69	7,389.94	7,371.91	18.03	409.788		
1,600.00	1,556.88	2,366.95	2,361.71	8.31	10.73	108.42	-1,929.72	-7,004.70	7,391.35	7,372.52	18.83	392.463		
1,700.00	1,648.52	2,426.38	2,420.72	8.92	11.00	108.62	-1,925.55	-6,999.11	7,393.46	7,373.78	19.69	375.580		
1,800.00	1,740.15	2,502.35	2,496.19	9.54	11.34	108.87	-1,920.09	-6,992.25	7,396.11	7,375.49	20.62	358.663		
1,900.00	1,831.79	2,687.93	2,680.33	10.17	12.20	109.49	-1,905.15	-6,974.79	7,398.56	7,376.53	22.03	335.779		
2,000.00	1,923.43	2,843.80	2,834.85	10.81	12.94	110.01	-1,892.90	-6,958.36	7,400.30	7,376.96	23.33	317.164		
2,100.00	2,015.06	2,909.26	2,899.76	11.46	13.25	110.22	-1,888.99	-6,950.87	7,401.83	7,377.57	24.26	305.145		
2,200.00	2,106.70	2,963.00	2,953.10	12.11	13.50	110.39	-1,885.79	-6,945.09	7,404.13	7,378.99	25.14	294.545		
2,300.00	2,198.34	2,990.59	2,980.50	12.78	13.63	110.48	-1,884.13	-6,942.31	7,407.25	7,381.34	25.91	285.852		
2,400.00	2,289.98	3,022.74	3,012.45	13.44	13.78	110.58	-1,882.18	-6,939.31	7,411.33	7,384.62	26.71	277.473		
2,500.00	2,381.61	3,200.16	3,188.78	14.11	14.62	111.16	-1,870.80	-6,923.31	7,416.20	7,388.07	28.13	263.624		
2,600.00	2,473.25	3,246.00	3,234.26	14.79	14.84	111.31	-1,867.54	-6,918.70	7,420.11	7,391.12	29.00	255.899		
2,700.00	2,564.89	3,301.73	3,289.60	15.47	15.10	111.49	-1,863.65	-6,913.39	7,424.71	7,394.80	29.90	248.280		
2,800.00	2,656.52	3,341.00	3,328.65	16.15	15.29	111.62	-1,861.13	-6,910.07	7,430.38	7,399.64	30.74	241.696		
2,900.00	2,748.16	3,461.08	3,448.07	16.83	15.85	112.00	-1,853.53	-6,900.11	7,436.55	7,404.62	31.93	232.887		
3,000.00	2,839.80	3,573.24	3,559.55	17.52	16.38	112.37	-1,846.27	-6,890.11	7,442.30	7,409.21	33.09	224.910		
3,100.00	2,931.43	3,100.00	3,675.24	18.20	14.13	112.75	-1,838.26	-6,879.64	7,448.20	7,416.55	31.65	235.335		
3,200.00	3,023.07	4,039.62	4,022.01	18.89	18.66	113.88	-1,813.22	-6,840.20	7,451.31	7,414.85	36.46	204.378		
3,300.00	3,114.71	4,102.00	4,083.69	19.58	18.98	114.09	-1,807.72	-6,832.63	7,454.57	7,417.15	37.42	199.237		
3,400.00	3,206.35	4,132.24	4,113.60	20.27	19.13	114.19	-1,804.95	-6,829.16	7,458.57	7,420.34	38.23	195.082		
3,500.00	3,297.98	4,168.47	4,149.47	20.97	19.31	114.31	-1,801.65	-6,825.23	7,463.49	7,424.41	39.07	191.005		
3,600.00	3,389.62	4,197.00	4,177.73	21.66	19.45	114.41	-1,799.08	-6,822.32	7,469.31	7,429.43	39.88	187.296		
3,700.00	3,481.26	4,235.23	4,215.64	22.36	19.64	114.54	-1,795.71	-6,818.69	7,476.05	7,435.33	40.72	183.577		
3,800.00	3,572.89	4,292.00	4,272.01	23.05	19.92	114.72	-1,790.97	-6,813.95	7,483.88	7,442.23	41.65	179.684		
3,900.00	3,664.53	4,303.56	4,283.49	23.75	19.97	114.76	-1,790.04	-6,813.07	7,492.40	7,450.03	42.37	176.841		
4,000.00	3,756.17	4,360.43	4,340.02	24.45	20.24	114.95	-1,785.34	-6,808.88	7,501.78	7,458.49	43.29	173.296		
4,100.00	3,847.80	4,428.39	4,407.57	25.14	20.57	115.18	-1,779.57	-6,804.17	7,511.77	7,467.51	44.26	169.722		
4,200.00	3,939.44	4,200.00	4,527.71	25.84	19.47	115.58	-1,769.25	-6,795.67	7,521.92	7,478.05	43.88	171.439		
4,300.00	4,031.08	4,630.12	4,608.03	26.54	21.53	115.85	-1,762.26	-6,789.72	7,532.03	7,485.53	46.51	161.961		
4,400.00	4,122.72	4,704.61	4,682.08	27.24	21.89	116.10	-1,755.94	-6,784.63	7,542.83	7,495.33	47.50	158.780		
4,500.00	4,214.35	4,799.20	4,776.12	27.94	22.34	116.41	-1,748.51	-6,777.74	7,553.54	7,504.94	48.60	155.437		
4,600.00	4,305.99	4,839.76	4,816.48	28.64	22.54	116.54	-1,745.50	-6,775.00	7,565.00	7,515.57	49.43	153.038		
4,700.00	4,397.63	4,925.95	4,902.29	29.35	22.94	116.81	-1,739.56	-6,769.61	7,577.16	7,526.68	50.48	150.109		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
4,800.00	4,489.26	5,009.09	4,985.13	30.05	23.32	117.07	-1,734.98	-6,764.19	7,589.38	7,537.88	51.50	147.359			
4,900.00	4,580.90	5,053.00	5,028.92	30.75	23.53	117.20	-1,733.37	-6,761.39	7,602.13	7,549.78	52.34	145.238			
5,000.00	4,672.54	5,053.00	5,028.92	31.45	23.53	117.20	-1,733.37	-6,761.39	7,615.99	7,563.02	52.97	143.776			
5,100.00	4,764.17	5,103.97	5,079.80	32.16	23.75	117.35	-1,731.84	-6,758.72	7,630.42	7,576.59	53.83	141.749			
5,200.00	4,855.81	5,148.00	5,123.78	32.86	23.94	117.48	-1,730.50	-6,757.30	7,646.25	7,591.60	54.65	139.904			
5,300.00	4,947.45	5,148.00	5,123.78	33.56	23.94	117.48	-1,730.50	-6,757.30	7,662.82	7,607.56	55.26	138.669			
5,400.00	5,039.08	5,205.33	5,181.07	34.27	24.19	117.64	-1,728.70	-6,756.09	7,680.33	7,624.19	56.14	136.816			
5,500.00	5,130.72	5,242.00	5,217.72	34.97	24.35	117.75	-1,727.52	-6,755.44	7,698.44	7,641.53	56.91	135.280			
5,600.00	5,222.36	5,278.65	5,254.36	35.68	24.49	117.85	-1,726.64	-6,755.04	7,717.38	7,659.71	57.66	133.836			
5,700.00	5,314.00	5,305.27	5,280.97	36.38	24.60	117.93	-1,726.39	-6,755.01	7,737.27	7,678.90	58.37	132.565			
5,800.00	5,405.63	5,337.00	5,312.70	37.08	24.72	118.01	-1,726.53	-6,755.26	7,758.09	7,699.00	59.09	131.300			
5,900.00	5,497.27	5,435.11	5,410.79	37.79	25.08	118.26	-1,727.59	-6,756.37	7,779.45	7,719.35	60.10	129.437			
6,000.00	5,588.91	5,543.36	5,519.04	38.50	25.47	118.54	-1,728.50	-6,757.29	7,800.68	7,739.51	61.17	127.530			
6,100.00	5,680.54	5,623.54	5,599.21	39.20	25.77	118.75	-1,729.12	-6,757.97	7,822.06	7,759.95	62.10	125.956			
6,200.00	5,772.18	5,692.45	5,668.12	39.91	26.03	118.93	-1,729.76	-6,758.70	7,843.78	7,780.80	62.98	124.541			
6,300.00	5,863.82	5,758.38	5,734.04	40.61	26.27	119.10	-1,730.45	-6,759.60	7,865.92	7,802.07	63.85	123.201			
6,400.00	5,955.45	5,826.22	5,801.87	41.32	26.52	119.27	-1,730.93	-6,760.76	7,888.51	7,823.80	64.72	121.891			
6,500.00	6,047.09	5,916.44	5,892.07	42.02	26.86	119.50	-1,731.68	-6,762.43	7,911.37	7,845.67	65.70	120.421			
6,600.00	6,138.73	5,999.05	5,974.66	42.73	27.17	119.71	-1,732.37	-6,764.01	7,934.43	7,867.79	66.64	119.065			
6,700.00	6,230.37	6,069.03	6,044.62	43.44	27.44	119.88	-1,732.86	-6,765.47	7,957.80	7,890.28	67.52	117.860			
6,712.03	6,241.39	6,077.37	6,052.96	43.52	27.47	119.90	-1,732.92	-6,765.66	7,960.63	7,893.01	67.62	117.719			
6,750.00	6,276.38	6,194.00	6,169.57	43.78	27.91	112.83	-1,733.91	-6,767.80	7,968.41	7,900.02	68.40	116.504			
6,800.00	6,322.91	6,232.09	6,207.65	44.09	28.06	101.92	-1,734.28	-6,768.27	7,974.93	7,906.10	68.83	115.869			
6,850.00	6,369.70	6,263.02	6,238.57	44.36	28.18	90.11	-1,734.50	-6,768.72	7,977.67	7,908.47	69.20	115.290			
6,900.00	6,416.45	6,294.11	6,269.66	44.59	28.29	78.44	-1,734.65	-6,769.23	7,976.62	7,907.08	69.54	114.713			
6,950.00	6,462.87	6,327.58	6,303.12	44.79	28.42	67.89	-1,734.79	-6,769.84	7,971.78	7,901.93	69.85	114.126			
7,000.00	6,508.69	6,360.23	6,335.77	44.95	28.55	58.94	-1,735.31	-6,770.49	7,963.15	7,893.02	70.12	113.559			
7,050.00	6,553.61	6,384.00	6,359.51	45.09	28.64	51.65	-1,736.30	-6,771.07	7,950.84	7,880.53	70.32	113.074			
7,100.00	6,597.37	6,428.00	6,398.23	45.20	29.98	46.10	-1,857.22	-6,774.70	7,932.47	7,860.18	72.29	109.736			
7,150.00	6,639.68	7,413.58	7,109.78	45.30	31.99	38.82	-2,324.07	-6,764.26	7,909.38	7,833.92	75.46	104.810			
7,200.00	6,680.29	7,434.46	7,114.79	45.39	32.14	34.87	-2,344.33	-6,763.52	7,881.80	7,806.14	75.65	104.183			
7,250.00	6,718.96	7,446.00	7,117.43	45.48	32.22	31.70	-2,355.56	-6,763.14	7,851.19	7,775.44	75.75	103.647			
7,300.00	6,755.43	7,300.00	7,135.60	45.57	31.03	28.20	-2,465.71	-6,759.09	7,817.55	7,742.92	74.63	104.754			
7,350.00	6,789.49	7,556.00	7,135.39	45.67	33.11	26.07	-2,463.93	-6,759.17	7,781.22	7,704.53	76.68	101.472			
7,400.00	6,820.93	7,568.67	7,136.63	45.77	33.22	24.12	-2,476.53	-6,758.68	7,742.40	7,665.63	76.77	100.853			
7,450.00	6,849.55	7,572.78	7,137.00	45.89	33.25	22.49	-2,480.62	-6,758.54	7,701.35	7,624.59	76.77	100.321			
7,500.00	6,875.17	7,576.34	7,137.31	46.02	33.28	21.02	-2,484.17	-6,758.41	7,658.28	7,581.52	76.76	99.773			
7,550.00	6,897.64	7,588.00	7,138.26	46.17	33.38	19.48	-2,495.78	-6,758.03	7,613.43	7,536.60	76.83	99.099			
7,600.00	6,916.82	7,588.00	7,138.26	46.35	33.38	18.06	-2,495.78	-6,758.03	7,567.01	7,490.23	76.79	98.548			
7,650.00	6,932.60	7,588.00	7,138.26	46.55	33.38	16.38	-2,495.78	-6,758.03	7,519.32	7,442.57	76.75	97.972			
7,700.00	6,944.86	7,588.00	7,138.26	46.78	33.38	13.90	-2,495.78	-6,758.03	7,470.62	7,393.90	76.72	97.373			
7,750.00	6,953.55	7,588.00	7,138.26	47.04	33.38	8.69	-2,495.78	-6,758.03	7,421.21	7,344.50	76.70	96.752			
7,800.00	6,958.59	7,588.00	7,138.26	47.33	33.38	-15.60	-2,495.78	-6,758.03	7,371.36	7,294.66	76.70	96.111			
7,842.10	6,960.00	7,588.00	7,138.26	47.60	33.38	-124.15	-2,495.78	-6,758.03	7,329.28	7,252.58	76.70	95.558			
7,900.00	6,960.15	7,588.00	7,138.26	48.01	33.38	-124.15	-2,495.78	-6,758.03	7,271.43	7,194.72	76.71	94.789			
8,000.00	6,960.40	7,588.00	7,138.26	48.86	33.38	-124.15	-2,495.78	-6,758.03	7,171.52	7,094.78	76.73	93.459			
8,100.00	6,960.65	7,588.00	7,138.26	49.87	33.38	-124.15	-2,495.78	-6,758.03	7,071.61	6,994.85	76.76	92.128			
8,200.00	6,960.91	7,588.00	7,138.26	51.06	33.38	-124.15	-2,495.78	-6,758.03	6,971.70	6,894.92	76.78	90.796			
8,300.00	6,961.16	7,588.00	7,138.26	52.41	33.38	-124.15	-2,495.78	-6,758.03	6,871.80	6,794.98	76.81	89.463			
8,400.00	6,961.41	7,578.21	7,137.47	53.93	33.30	-125.09	-2,486.02	-6,758.35	6,771.88	6,695.14	76.74	88.245			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,500.00	6,961.66	7,576.79	7,137.35	55.59	33.29	-125.22	-2,484.61	-6,758.40	6,671.97	6,595.22	76.76	86.925		
8,600.00	6,961.91	7,575.35	7,137.23	57.37	33.27	-125.37	-2,483.18	-6,758.45	6,572.07	6,495.30	76.77	85.605		
8,700.00	6,962.16	7,573.88	7,137.10	59.27	33.26	-125.51	-2,481.72	-6,758.50	6,472.17	6,395.38	76.79	84.283		
8,800.00	6,962.42	7,572.38	7,136.97	61.26	33.25	-125.66	-2,480.22	-6,758.55	6,372.27	6,295.46	76.81	82.961		
8,900.00	6,962.67	7,570.85	7,136.83	63.34	33.23	-125.82	-2,478.70	-6,758.61	6,272.37	6,195.54	76.83	81.638		
9,000.00	6,962.92	7,569.29	7,136.69	65.49	33.22	-125.98	-2,477.14	-6,758.66	6,172.48	6,095.63	76.85	80.314		
9,100.00	6,963.17	7,567.69	7,136.54	67.70	33.21	-126.14	-2,475.55	-6,758.72	6,072.59	5,995.71	76.88	78.989		
9,200.00	6,963.42	7,566.06	7,136.38	69.97	33.19	-126.31	-2,473.93	-6,758.78	5,972.70	5,895.80	76.90	77.664		
9,300.00	6,963.68	7,564.39	7,136.23	72.28	33.18	-126.48	-2,472.27	-6,758.84	5,872.81	5,795.88	76.93	76.338		
9,400.00	6,963.93	7,562.70	7,136.07	74.64	33.17	-126.65	-2,470.61	-6,758.90	5,852.92	5,775.99	76.96	75.013		
9,500.00	6,964.18	7,561.00	7,135.91	77.04	33.16	-126.82	-2,468.93	-6,758.96	5,833.03	5,756.06	76.99	73.688		
9,600.00	6,964.43	7,559.29	7,135.75	79.48	33.15	-126.99	-2,467.25	-6,759.02	5,813.14	5,736.13	77.02	72.363		
9,700.00	6,964.68	7,557.57	7,135.59	81.94	33.14	-127.16	-2,465.57	-6,759.08	5,793.25	5,716.20	77.05	71.038		
9,800.00	6,964.94	7,555.84	7,135.43	84.43	33.13	-127.33	-2,463.89	-6,759.14	5,773.36	5,696.27	77.08	69.713		
9,900.00	6,965.19	7,554.11	7,135.27	86.95	33.12	-127.50	-2,462.21	-6,759.20	5,753.47	5,676.34	77.11	68.388		
10,000.00	6,965.44	7,552.39	7,135.11	89.49	33.11	-127.67	-2,460.53	-6,759.26	5,733.58	5,656.41	77.14	67.063		
10,100.00	6,965.69	7,550.66	7,134.95	92.05	33.10	-127.84	-2,458.85	-6,759.32	5,713.69	5,636.48	77.17	65.738		
10,200.00	6,965.94	7,548.93	7,134.79	94.63	33.09	-128.01	-2,457.17	-6,759.38	5,693.80	5,616.55	77.20	64.413		
10,300.00	6,966.19	7,547.20	7,134.63	97.22	33.08	-128.18	-2,455.49	-6,759.44	5,674.08	5,596.62	77.23	63.088		
10,400.00	6,966.45	7,545.47	7,134.47	99.83	33.07	-128.35	-2,453.81	-6,759.50	5,654.36	5,576.69	77.26	61.763		
10,500.00	6,966.70	7,543.74	7,134.31	102.46	33.06	-128.52	-2,452.13	-6,759.56	5,634.64	5,556.76	77.29	60.438		
10,600.00	6,966.95	7,542.01	7,134.15	105.09	33.05	-128.69	-2,450.45	-6,759.62	5,614.92	5,536.83	77.32	59.113		
10,700.00	6,967.20	7,540.28	7,133.99	107.74	33.04	-128.86	-2,448.77	-6,759.68	5,595.20	5,516.90	77.35	57.788		
10,800.00	6,967.45	7,538.55	7,133.83	110.41	33.03	-129.03	-2,447.09	-6,759.74	5,575.48	5,496.97	77.38	56.463		
10,900.00	6,967.71	7,536.82	7,133.67	113.08	33.02	-129.20	-2,445.41	-6,759.80	5,555.76	5,477.04	77.41	55.138		
11,000.00	6,967.96	7,535.09	7,133.51	115.76	33.01	-129.37	-2,443.73	-6,759.86	5,536.04	5,457.11	77.44	53.813		
11,100.00	6,968.21	7,533.36	7,133.35	118.45	33.00	-129.54	-2,442.05	-6,759.92	5,516.32	5,437.18	77.47	52.488		
11,200.00	6,968.46	7,531.63	7,133.19	121.15	32.99	-129.71	-2,440.37	-6,759.98	5,496.60	5,417.25	77.50	51.163		
11,300.00	6,968.71	7,529.90	7,133.03	123.85	32.98	-129.88	-2,438.69	-6,759.99	5,476.88	5,397.32	77.53	49.838		
11,400.00	6,968.97	7,528.17	7,132.87	126.56	32.97	-130.05	-2,437.01	-6,759.99	5,457.16	5,377.39	77.56	48.513		
11,500.00	6,969.22	7,526.44	7,132.71	129.28	32.96	-130.22	-2,435.33	-6,759.99	5,437.44	5,357.46	77.59	47.188		
11,600.00	6,969.47	7,524.71	7,132.55	132.01	32.95	-130.39	-2,433.65	-6,759.99	5,417.72	5,337.53	77.62	45.863		
11,700.00	6,969.72	7,522.98	7,132.39	134.74	32.94	-130.56	-2,431.97	-6,759.99	5,398.00	5,317.60	77.65	44.538		
11,800.00	6,969.97	7,521.25	7,132.23	137.48	32.93	-130.73	-2,430.29	-6,759.99	5,378.28	5,297.67	77.68	43.213		
11,900.00	6,970.22	7,519.52	7,132.07	140.22	32.92	-130.90	-2,428.61	-6,759.99	5,358.56	5,277.74	77.71	41.888		
12,000.00	6,970.48	7,517.79	7,131.91	142.97	32.91	-131.07	-2,426.93	-6,759.99	5,338.84	5,257.81	77.74	40.563		
12,100.00	6,970.73	7,516.06	7,131.75	145.72	32.90	-131.24	-2,425.25	-6,759.99	5,319.12	5,237.88	77.77	39.238		
12,200.00	6,970.98	7,514.33	7,131.59	148.47	32.89	-131.41	-2,423.57	-6,759.99	5,299.40	5,217.95	77.80	37.913		
12,300.00	6,971.23	7,512.60	7,131.43	151.23	32.88	-131.58	-2,421.89	-6,759.99	5,279.68	5,198.02	77.83	36.588		
12,400.00	6,971.48	7,510.87	7,131.27	154.00	32.87	-131.75	-2,420.21	-6,759.99	5,259.96	5,178.09	77.86	35.263		
12,500.00	6,971.74	7,509.14	7,131.11	156.76	32.86	-131.92	-2,418.53	-6,759.99	5,240.24	5,158.16	77.89	33.938		
12,600.00	6,971.99	7,507.41	7,130.95	159.53	32.85	-132.09	-2,416.85	-6,759.99	5,220.52	5,138.23	77.92	32.613		
12,700.00	6,972.24	7,505.68	7,130.79	162.31	32.84	-132.26	-2,415.17	-6,759.99	5,200.80	5,118.30	77.95	31.288		
12,800.00	6,972.49	7,503.95	7,130.63	165.09	32.83	-132.43	-2,413.49	-6,759.99	5,181.08	5,098.37	77.98	29.963		
12,900.00	6,972.74	7,502.22	7,130.47	167.86	32.82	-132.60	-2,411.81	-6,759.99	5,161.36	5,078.44	78.01	28.638		
13,002.01	6,973.00	7,500.49	7,130.31	170.70	32.81	-132.77	-2,410.13	-6,759.99	5,141.64	5,058.51	78.04	27.313		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-109.62	-2,017.97	-5,662.01	6,010.87					
100.00	100.00	85.00	85.00	3.28	3.29	-109.62	-2,017.97	-5,662.01	6,010.87	6,004.30	6.57	914.896		
200.00	200.00	185.00	185.00	3.34	3.31	-109.62	-2,017.97	-5,662.01	6,010.87	6,004.22	6.64	904.969		
300.00	300.00	285.00	285.00	3.44	3.34	-109.62	-2,017.97	-5,662.01	6,010.87	6,004.08	6.78	886.037		
400.00	399.98	384.98	384.98	3.60	3.39	100.99	-2,017.97	-5,662.01	6,011.20	6,004.22	6.98	860.856		
500.00	499.84	484.84	484.84	3.79	3.45	101.02	-2,017.97	-5,662.01	6,012.20	6,004.97	7.23	831.128		
600.00	599.45	584.45	584.45	4.02	3.52	101.07	-2,017.97	-5,662.01	6,013.88	6,006.34	7.54	797.653		
700.00	698.70	683.70	683.70	4.29	3.61	101.14	-2,017.97	-5,662.01	6,016.24	6,008.35	7.90	762.007		
800.00	797.47	782.47	782.47	4.60	3.70	101.22	-2,017.97	-5,662.01	6,019.31	6,011.01	8.30	725.444		
900.00	895.62	880.62	880.62	4.94	3.81	101.32	-2,017.97	-5,662.01	6,023.11	6,014.36	8.74	688.892		
1,000.00	993.06	978.06	978.06	5.31	3.92	101.44	-2,017.97	-5,662.01	6,027.66	6,018.43	9.23	653.004		
1,100.00	1,089.64	1,074.64	1,074.64	5.72	4.04	101.57	-2,017.97	-5,662.01	6,032.99	6,023.24	9.76	618.208		
1,200.00	1,185.27	1,170.27	1,170.27	6.17	4.17	101.71	-2,017.97	-5,662.01	6,039.15	6,028.82	10.33	584.773		
1,300.00	1,279.82	1,264.82	1,264.82	6.65	4.30	101.85	-2,017.97	-5,662.01	6,046.16	6,035.23	10.94	552.850		
1,400.00	1,373.17	1,267.38	1,267.37	7.17	4.40	101.70	-2,017.54	-5,662.67	6,055.26	6,043.71	11.55	524.373		
1,479.95	1,446.87	1,300.00	1,299.98	7.61	4.49	101.66	-2,017.03	-5,663.47	6,063.63	6,051.55	12.08	501.974		
1,500.00	1,465.24	1,300.00	1,299.98	7.72	4.49	101.66	-2,017.03	-5,663.47	6,065.90	6,053.71	12.19	497.543		
1,600.00	1,556.88	1,344.03	1,343.97	8.31	4.62	101.83	-2,016.01	-5,665.05	6,077.81	6,064.91	12.90	471.205		
1,700.00	1,648.52	1,400.00	1,399.84	8.92	4.80	102.06	-2,014.20	-5,667.88	6,090.85	6,077.19	13.66	445.815		
1,800.00	1,740.15	1,400.00	1,399.84	9.54	4.80	102.06	-2,014.20	-5,667.88	6,104.89	6,090.63	14.26	428.136		
1,900.00	1,831.79	1,455.34	1,455.00	10.17	4.98	102.30	-2,011.82	-5,671.57	6,119.93	6,104.88	15.05	406.678		
2,000.00	1,923.43	1,500.00	1,499.45	10.81	5.13	102.49	-2,009.49	-5,675.21	6,136.12	6,120.31	15.81	388.058		
2,100.00	2,015.06	1,527.25	1,526.54	11.46	5.23	102.61	-2,007.88	-5,677.71	6,153.36	6,136.83	16.52	372.424		
2,200.00	2,106.70	1,576.19	1,575.11	12.11	5.40	102.83	-2,004.64	-5,682.76	6,171.71	6,154.40	17.32	356.412		
2,300.00	2,198.34	1,628.61	1,627.08	12.78	5.60	103.07	-2,000.93	-5,688.53	6,190.94	6,172.81	18.13	341.431		
2,400.00	2,289.98	1,714.78	1,712.50	13.44	5.93	103.46	-1,994.83	-5,698.02	6,210.61	6,191.52	19.09	325.369		
2,500.00	2,381.61	1,800.94	1,797.93	14.11	6.28	103.84	-1,988.73	-5,707.52	6,230.63	6,210.57	20.06	310.621		
2,600.00	2,473.25	1,887.10	1,883.35	14.79	6.64	104.22	-1,982.63	-5,717.01	6,251.00	6,229.96	21.04	297.097		
2,700.00	2,564.89	1,973.27	1,968.77	15.47	7.01	104.61	-1,976.53	-5,726.50	6,271.71	6,249.68	22.03	284.677		
2,800.00	2,656.52	2,059.43	2,054.19	16.15	7.39	104.99	-1,970.43	-5,735.99	6,292.77	6,269.74	23.03	273.254		
2,900.00	2,748.16	2,145.60	2,139.61	16.83	7.77	105.36	-1,964.33	-5,745.48	6,314.16	6,290.13	24.03	262.730		
3,000.00	2,839.80	2,231.76	2,225.04	17.52	8.16	105.74	-1,958.23	-5,754.98	6,335.89	6,310.85	25.04	253.014		
3,100.00	2,931.43	2,317.92	2,310.46	18.20	8.56	106.11	-1,952.13	-5,764.47	6,357.95	6,331.89	26.05	244.027		
3,200.00	3,023.07	2,404.09	2,395.88	18.89	8.96	106.49	-1,946.04	-5,773.96	6,380.33	6,353.26	27.07	235.698		
3,300.00	3,114.71	2,509.75	2,481.30	19.58	9.45	106.85	-1,939.94	-5,783.45	6,403.04	6,374.87	28.17	227.271		
3,400.00	3,206.35	2,576.42	2,566.72	20.27	9.77	107.22	-1,933.84	-5,792.94	6,426.07	6,396.97	29.11	220.769		
3,500.00	3,297.98	2,662.58	2,652.15	20.97	10.18	107.59	-1,927.74	-5,802.43	6,449.42	6,419.29	30.13	214.062		
3,600.00	3,389.62	2,748.74	2,737.57	21.66	10.59	107.95	-1,921.64	-5,811.93	6,473.08	6,441.93	31.15	207.800		
3,700.00	3,481.26	2,834.91	2,822.99	22.36	11.01	108.31	-1,915.54	-5,821.42	6,497.05	6,464.88	32.17	201.942		
3,800.00	3,572.89	2,921.07	2,908.41	23.05	11.42	108.67	-1,909.44	-5,830.91	6,521.33	6,488.14	33.20	196.454		
3,900.00	3,664.53	3,007.24	2,993.84	23.75	11.84	109.03	-1,903.34	-5,840.40	6,545.91	6,511.70	34.22	191.304		
4,000.00	3,756.17	3,106.60	3,079.26	24.45	12.33	109.38	-1,897.24	-5,849.89	6,570.80	6,535.50	35.30	186.147		
4,100.00	3,847.80	3,179.56	3,164.68	25.14	12.68	109.74	-1,891.15	-5,859.39	6,595.97	6,559.71	36.26	181.906		
4,200.00	3,939.44	3,265.73	3,250.10	25.84	13.11	110.09	-1,885.05	-5,868.88	6,621.45	6,584.16	37.28	177.610		
4,300.00	4,031.08	3,351.89	3,335.52	26.54	13.53	110.44	-1,878.95	-5,878.37	6,647.21	6,608.91	38.30	173.555		
4,400.00	4,122.72	3,438.06	3,420.95	27.24	13.96	110.78	-1,872.85	-5,887.86	6,673.26	6,633.94	39.32	169.722		
4,500.00	4,214.35	3,524.22	3,506.37	27.94	14.39	111.13	-1,866.75	-5,897.35	6,699.59	6,659.25	40.34	166.095		
4,600.00	4,305.99	3,610.38	3,591.79	28.64	14.81	111.47	-1,860.65	-5,906.85	6,726.20	6,684.85	41.35	162.658		
4,700.00	4,397.63	3,696.55	3,677.21	29.35	15.24	111.81	-1,854.55	-5,916.34	6,753.09	6,710.72	42.37	159.398		
4,800.00	4,489.26	3,782.71	3,762.63	30.05	15.67	112.15	-1,848.45	-5,925.83	6,780.25	6,736.87	43.38	156.302		
4,900.00	4,580.90	3,868.88	3,848.06	30.75	16.10	112.48	-1,842.35	-5,935.32	6,807.68	6,763.29	44.39	153.358		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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					
5,000.00	4,672.54	3,955.04	3,933.48	31.45	16.54	112.81	-1,836.26	-5,944.81	6,835.38	6,789.97	45.40	150.557					
5,100.00	4,764.17	4,041.20	4,018.90	32.16	16.97	113.15	-1,830.16	-5,954.31	6,863.34	6,816.93	46.41	147.889					
5,200.00	4,855.81	4,127.37	4,104.32	32.86	17.40	113.48	-1,824.06	-5,963.80	6,891.56	6,844.14	47.42	145.345					
5,300.00	4,947.45	4,213.53	4,189.75	33.56	17.83	113.80	-1,817.96	-5,973.29	6,920.04	6,871.62	48.42	142.918					
5,400.00	5,039.08	4,300.30	4,275.17	34.27	18.27	114.13	-1,811.86	-5,982.78	6,948.77	6,899.34	49.43	140.591					
5,500.00	5,130.72	4,385.86	4,360.59	34.97	18.70	114.45	-1,805.76	-5,992.27	6,977.75	6,927.33	50.42	138.382					
5,600.00	5,222.36	4,472.02	4,446.01	35.68	19.13	114.77	-1,799.66	-6,001.77	7,006.98	6,955.56	51.42	136.261					
5,700.00	5,314.00	4,558.19	4,531.43	36.38	19.57	115.09	-1,793.56	-6,011.26	7,036.46	6,984.04	52.42	134.230					
5,800.00	5,405.63	4,644.35	4,616.86	37.08	20.00	115.40	-1,787.46	-6,020.75	7,066.18	7,012.76	53.42	132.285					
5,900.00	5,497.27	4,730.52	4,702.28	37.79	20.44	115.72	-1,781.37	-6,030.24	7,096.13	7,041.72	54.41	130.419					
6,000.00	5,588.91	4,816.68	4,787.70	38.50	20.87	116.03	-1,775.27	-6,039.73	7,126.33	7,070.92	55.40	128.629					
6,100.00	5,680.54	4,902.84	4,873.12	39.20	21.31	116.34	-1,769.17	-6,049.23	7,156.75	7,100.36	56.39	126.910					
6,200.00	5,772.18	5,790.17	5,757.18	39.91	25.27	119.18	-1,737.86	-6,097.95	7,182.42	7,120.91	61.50	116.781					
6,300.00	5,863.82	5,881.81	5,848.82	40.61	25.63	119.44	-1,737.86	-6,097.95	7,203.33	7,140.83	62.50	115.258					
6,400.00	5,955.45	5,973.44	5,940.45	41.32	25.99	119.70	-1,737.86	-6,097.95	7,224.40	7,160.91	63.49	113.788					
6,500.00	6,047.09	6,065.08	6,032.09	42.02	26.35	119.96	-1,737.86	-6,097.95	7,245.64	7,181.16	64.48	112.367					
6,600.00	6,138.73	6,156.72	6,123.73	42.73	26.71	120.21	-1,737.86	-6,097.95	7,267.03	7,201.56	65.47	110.992					
6,700.00	6,230.37	6,248.35	6,215.37	43.44	27.07	120.47	-1,737.86	-6,097.95	7,288.58	7,222.12	66.46	109.663					
6,712.03	6,241.39	6,259.38	6,226.39	43.52	27.11	120.50	-1,737.86	-6,097.95	7,291.18	7,224.60	66.58	109.506					
6,750.00	6,276.38	6,294.37	6,261.38	43.78	27.25	113.23	-1,737.86	-6,097.95	7,298.30	7,231.35	66.95	109.006					
6,800.00	6,322.91	6,340.90	6,307.91	44.09	27.43	102.35	-1,737.86	-6,097.95	7,304.31	7,236.88	67.43	108.331					
6,850.00	6,369.70	6,387.69	6,354.70	44.36	27.61	90.59	-1,737.86	-6,097.95	7,306.44	7,238.56	67.87	107.647					
6,900.00	6,416.45	6,434.44	6,401.45	44.59	27.80	78.98	-1,737.86	-6,097.95	7,304.69	7,236.40	68.29	106.965					
6,950.00	6,462.87	6,506.82	6,473.79	44.79	28.07	68.53	-1,739.90	-6,097.95	7,299.02	7,230.24	68.78	106.120					
7,000.00	6,508.69	6,597.08	6,563.20	44.95	28.36	59.69	-1,751.79	-6,097.95	7,289.26	7,219.98	69.28	105.222					
7,050.00	6,553.61	6,689.18	6,652.35	45.09	28.62	52.45	-1,774.70	-6,097.94	7,275.41	7,205.69	69.72	104.352					
7,100.00	6,597.37	6,779.86	6,736.81	45.20	28.84	46.62	-1,807.57	-6,097.94	7,257.55	7,187.44	70.11	103.512					
7,150.00	6,639.68	6,866.09	6,812.97	45.30	29.02	41.92	-1,847.89	-6,097.93	7,235.83	7,165.37	70.46	102.694					
7,200.00	6,680.29	6,945.54	6,878.72	45.39	29.16	38.11	-1,892.43	-6,097.92	7,210.42	7,139.66	70.77	101.888					
7,250.00	6,718.96	7,016.84	6,933.51	45.48	29.28	35.01	-1,938.02	-6,097.91	7,181.55	7,110.51	71.03	101.101					
7,300.00	6,755.43	7,079.49	6,977.96	45.57	29.35	32.48	-1,982.14	-6,097.90	7,149.43	7,078.15	71.28	100.294					
7,350.00	6,789.49	7,133.64	7,013.36	45.67	29.40	30.40	-2,023.11	-6,097.89	7,114.34	7,042.83	71.50	99.496					
7,400.00	6,820.93	7,179.82	7,041.19	45.77	29.45	28.71	-2,059.95	-6,097.89	7,076.52	7,004.83	71.69	98.711					
7,450.00	6,849.55	7,218.75	7,062.89	45.89	29.50	27.35	-2,092.27	-6,097.88	7,036.23	6,964.39	71.83	97.950					
7,500.00	6,875.17	7,251.18	7,079.69	46.02	29.52	26.29	-2,120.00	-6,097.87	6,993.74	6,921.75	71.99	97.148					
7,550.00	6,897.64	7,277.79	7,092.59	46.17	29.55	25.52	-2,143.28	-6,097.87	6,949.32	6,877.22	72.10	96.389					
7,600.00	6,916.82	7,299.21	7,102.37	46.35	29.59	25.07	-2,162.33	-6,097.86	6,903.25	6,831.07	72.18	95.643					
7,650.00	6,932.60	7,315.95	7,109.64	46.55	29.62	25.01	-2,177.40	-6,097.86	6,855.81	6,783.56	72.25	94.889					
7,700.00	6,944.86	7,328.39	7,114.84	46.78	29.65	25.60	-2,188.72	-6,097.86	6,807.28	6,734.98	72.30	94.150					
7,750.00	6,953.55	7,336.86	7,118.26	47.04	29.67	27.76	-2,196.46	-6,097.86	6,757.97	6,685.63	72.34	93.425					
7,800.00	6,958.59	7,341.56	7,120.13	47.33	29.69	38.44	-2,200.77	-6,097.86	6,708.17	6,635.82	72.35	92.714					
7,842.10	6,960.00	7,342.67	7,120.56	47.60	29.69	163.74	-2,201.79	-6,097.86	6,666.09	6,593.73	72.36	92.127					
7,900.00	6,960.15	7,342.44	7,120.47	48.01	29.69	163.66	-2,201.58	-6,097.86	6,608.20	6,535.85	72.36	91.328					
8,000.00	6,960.40	7,342.05	7,120.32	48.86	29.69	163.53	-2,201.22	-6,097.86	6,508.24	6,435.88	72.36	89.947					
8,100.00	6,960.65	7,341.65	7,120.16	49.87	29.69	163.39	-2,200.86	-6,097.86	6,408.27	6,335.91	72.36	88.565					
8,200.00	6,960.91	7,341.26	7,120.01	51.06	29.69	163.26	-2,200.50	-6,097.86	6,308.30	6,235.95	72.36	87.182					
8,300.00	6,961.16	7,340.87	7,119.85	52.41	29.69	163.12	-2,200.13	-6,097.86	6,208.34	6,135.98	72.36	85.799					
8,400.00	6,961.41	7,340.47	7,119.70	53.93	29.68	162.99	-2,199.77	-6,097.86	6,108.37	6,036.01	72.36	84.414					
8,500.00	6,961.66	7,340.08	7,119.54	55.59	29.68	162.85	-2,199.41	-6,097.86	6,008.41	5,936.04	72.37	83.028					
8,600.00	6,961.91	7,339.69	7,119.39	57.37	29.68	162.72	-2,199.05	-6,097.86	5,908.45	5,836.08	72.37	81.641					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	6,962.16	7,339.30	7,119.23	59.27	29.68	162.58	-2,198.69	-6,097.86	5,808.49	5,736.11	72.38	80.254		
8,800.00	6,962.42	7,338.91	7,119.08	61.26	29.68	162.45	-2,198.34	-6,097.86	5,708.53	5,636.15	72.38	78.866		
8,900.00	6,962.67	7,338.52	7,118.92	63.34	29.68	162.31	-2,197.98	-6,097.86	5,608.57	5,536.18	72.39	77.477		
9,000.00	6,962.92	7,338.13	7,118.77	65.49	29.68	162.18	-2,197.62	-6,097.86	5,508.62	5,436.22	72.40	76.087		
9,100.00	6,963.17	7,337.74	7,118.61	67.70	29.68	162.04	-2,197.26	-6,097.86	5,408.66	5,336.25	72.41	74.697		
9,200.00	6,963.42	7,337.35	7,118.46	69.97	29.67	161.91	-2,196.91	-6,097.86	5,308.71	5,236.29	72.42	73.306		
9,300.00	6,963.68	7,336.96	7,118.30	72.28	29.67	161.77	-2,196.55	-6,097.86	5,208.76	5,136.33	72.43	71.915		
9,400.00	6,963.93	7,336.58	7,118.15	74.64	29.67	161.64	-2,196.20	-6,097.86	5,108.81	5,036.37	72.44	70.523		
9,500.00	6,964.18	7,336.19	7,117.99	77.04	29.67	161.50	-2,195.84	-6,097.86	5,008.86	4,936.41	72.45	69.131		
9,600.00	6,964.43	7,335.80	7,117.84	79.48	29.67	161.37	-2,195.49	-6,097.86	4,908.92	4,836.45	72.47	67.738		
9,700.00	6,964.68	7,335.42	7,117.68	81.94	29.67	161.24	-2,195.14	-6,097.86	4,808.98	4,736.49	72.48	66.345		
9,800.00	6,964.94	7,335.03	7,117.53	84.43	29.67	161.10	-2,194.78	-6,097.86	4,709.04	4,636.53	72.50	64.952		
9,900.00	6,965.19	7,334.65	7,117.37	86.95	29.67	160.97	-2,194.43	-6,097.86	4,609.10	4,536.58	72.52	63.558		
10,000.00	6,965.44	7,334.26	7,117.22	89.49	29.66	160.84	-2,194.08	-6,097.86	4,509.16	4,436.63	72.54	62.164		
10,100.00	6,965.69	7,333.88	7,117.07	92.05	29.66	160.70	-2,193.73	-6,097.86	4,409.23	4,336.67	72.56	60.770		
10,200.00	6,965.94	7,333.50	7,116.91	94.63	29.66	160.57	-2,193.38	-6,097.86	4,309.30	4,236.73	72.58	59.376		
10,300.00	6,966.19	7,333.11	7,116.76	97.22	29.66	160.44	-2,193.03	-6,097.86	4,209.38	4,136.78	72.60	57.981		
10,400.00	6,966.45	7,332.73	7,116.60	99.83	29.66	160.30	-2,192.68	-6,097.86	4,109.45	4,036.83	72.62	56.587		
10,500.00	6,966.70	7,332.35	7,116.45	102.46	29.66	160.17	-2,192.33	-6,097.86	4,009.54	3,936.89	72.65	55.192		
10,600.00	6,966.95	7,331.97	7,116.29	105.09	29.66	160.04	-2,191.98	-6,097.86	3,909.62	3,836.95	72.67	53.798		
10,700.00	6,967.20	7,331.59	7,116.14	107.74	29.66	159.91	-2,191.63	-6,097.86	3,809.71	3,737.01	72.70	52.404		
10,800.00	6,967.45	7,331.21	7,115.98	110.41	29.66	159.78	-2,191.29	-6,097.86	3,709.81	3,637.08	72.73	51.009		
10,900.00	6,967.71	7,330.83	7,115.83	113.08	29.66	159.64	-2,190.94	-6,097.86	3,609.91	3,537.15	72.76	49.615		
11,000.00	6,967.96	7,330.45	7,115.68	115.76	29.65	159.51	-2,190.59	-6,097.86	3,510.02	3,437.23	72.79	48.221		
11,100.00	6,968.21	7,330.07	7,115.52	118.45	29.65	159.38	-2,190.25	-6,097.86	3,410.13	3,337.31	72.82	46.827		
11,200.00	6,968.46	7,329.69	7,115.37	121.15	29.65	159.25	-2,189.90	-6,097.86	3,310.25	3,237.39	72.86	45.433		
11,300.00	6,968.71	7,329.32	7,115.21	123.85	29.65	159.12	-2,189.56	-6,097.86	3,210.38	3,137.48	72.90	44.040		
11,400.00	6,968.97	7,328.94	7,115.06	126.56	29.65	158.99	-2,189.21	-6,097.86	3,110.51	3,037.57	72.94	42.647		
11,500.00	6,969.22	7,328.56	7,114.90	129.28	29.65	158.85	-2,188.87	-6,097.86	3,010.66	2,937.68	72.98	41.254		
11,600.00	6,969.47	7,328.19	7,114.75	132.01	29.65	158.72	-2,188.53	-6,097.86	2,910.81	2,837.79	73.02	39.861		
11,700.00	6,969.72	7,327.81	7,114.60	134.74	29.65	158.59	-2,188.19	-6,097.86	2,810.97	2,737.90	73.07	38.469		
11,800.00	6,969.97	7,327.44	7,114.44	137.48	29.65	158.46	-2,187.85	-6,097.86	2,711.15	2,638.03	73.12	37.077		
11,900.00	6,970.22	7,327.06	7,114.29	140.22	29.65	158.33	-2,187.50	-6,097.86	2,611.34	2,538.16	73.18	35.685		
12,000.00	6,970.48	7,326.69	7,114.14	142.97	29.64	158.20	-2,187.16	-6,097.86	2,511.55	2,438.31	73.24	34.294		
12,100.00	6,970.73	7,326.32	7,113.98	145.72	29.64	158.07	-2,186.82	-6,097.86	2,411.77	2,338.47	73.30	32.903		
12,200.00	6,970.98	7,325.94	7,113.83	148.47	29.64	157.94	-2,186.48	-6,097.86	2,312.01	2,238.64	73.37	31.512		
12,300.00	6,971.23	7,325.57	7,113.67	151.23	29.64	157.81	-2,186.15	-6,097.86	2,212.27	2,138.83	73.44	30.122		
12,400.00	6,971.48	7,325.20	7,113.52	154.00	29.64	157.68	-2,185.81	-6,097.86	2,112.56	2,039.04	73.53	28.732		
12,500.00	6,971.74	7,324.83	7,113.37	156.76	29.64	157.55	-2,185.47	-6,097.86	2,012.88	1,939.26	73.62	27.342		
12,600.00	6,971.99	7,324.46	7,113.21	159.53	29.64	157.42	-2,185.13	-6,097.86	1,913.23	1,839.51	73.72	25.952		
12,700.00	6,972.24	7,324.09	7,113.06	162.31	29.64	157.29	-2,184.79	-6,097.86	1,813.62	1,739.78	73.84	24.562		
12,800.00	6,972.49	7,323.72	7,112.91	165.09	29.64	157.16	-2,184.46	-6,097.86	1,714.05	1,640.08	73.97	23.172		
12,900.00	6,972.74	7,323.35	7,112.75	167.86	29.64	157.04	-2,184.12	-6,097.86	1,614.54	1,540.41	74.12	21.782		
13,002.01	6,973.00	7,322.97	7,112.60	170.70	29.64	156.90	-2,183.78	-6,097.86	1,513.09	1,438.78	74.30	20.363 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 800-MWD													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	15.00	-15.00	3.28	3.28	-109.52	-2,017.97	-5,692.60	6,039.69					
100.00	100.00	85.00	85.00	3.28	3.29	-109.52	-2,017.97	-5,692.60	6,039.69	6,033.12	6.57	919.283		
200.00	200.00	185.00	185.00	3.34	3.31	-109.52	-2,017.97	-5,692.60	6,039.69	6,033.05	6.64	909.310		
300.00	300.00	285.00	285.00	3.44	3.34	-109.52	-2,017.97	-5,692.60	6,039.69	6,032.91	6.78	890.286		
400.00	399.98	384.98	384.98	3.60	3.39	101.09	-2,017.97	-5,692.60	6,040.03	6,033.05	6.98	864.985		
500.00	499.84	484.84	484.84	3.79	3.45	101.12	-2,017.97	-5,692.60	6,041.04	6,033.80	7.23	835.116		
600.00	599.45	584.45	584.45	4.02	3.52	101.17	-2,017.97	-5,692.60	6,042.73	6,035.19	7.54	801.482		
700.00	698.70	683.70	683.70	4.29	3.61	101.23	-2,017.97	-5,692.60	6,045.11	6,037.22	7.90	765.667		
800.00	797.47	782.47	782.47	4.60	3.70	101.32	-2,017.97	-5,692.60	6,048.21	6,039.91	8.30	728.930		
900.00	895.62	830.73	830.73	4.94	3.78	101.32	-2,017.91	-5,692.75	6,052.37	6,043.65	8.72	693.972		
1,000.00	993.06	867.70	867.69	5.31	3.87	101.28	-2,017.68	-5,693.35	6,058.25	6,049.07	9.18	660.033		
1,100.00	1,089.64	900.00	899.98	5.72	3.94	101.22	-2,017.35	-5,694.23	6,065.87	6,056.20	9.66	627.767		
1,200.00	1,185.27	939.89	939.84	6.17	4.04	101.15	-2,016.75	-5,695.79	6,075.22	6,065.02	10.20	595.495		
1,300.00	1,279.82	1,000.00	999.84	6.65	4.20	101.14	-2,015.48	-5,699.12	6,086.48	6,075.64	10.83	561.824		
1,400.00	1,373.17	1,000.00	999.84	7.17	4.20	100.88	-2,015.48	-5,699.12	6,099.23	6,087.89	11.34	537.683		
1,479.95	1,446.87	1,035.96	1,035.69	7.61	4.30	100.80	-2,014.51	-5,701.68	6,110.78	6,098.90	11.88	514.517		
1,500.00	1,465.24	1,042.59	1,042.30	7.72	4.32	100.83	-2,014.31	-5,702.19	6,113.84	6,101.83	12.01	509.191		
1,600.00	1,556.88	1,100.00	1,099.45	8.31	4.49	101.07	-2,012.38	-5,707.27	6,129.92	6,117.18	12.74	481.013		
1,700.00	1,648.52	1,100.00	1,099.45	8.92	4.49	101.07	-2,012.38	-5,707.27	6,146.87	6,133.54	13.32	461.323		
1,800.00	1,740.15	1,140.18	1,139.38	9.54	4.62	101.24	-2,010.79	-5,711.45	6,165.03	6,150.99	14.04	439.062		
1,900.00	1,831.79	1,200.00	1,198.70	10.17	4.82	101.50	-2,008.05	-5,718.66	6,184.49	6,169.66	14.84	416.864		
2,000.00	1,923.43	1,200.00	1,198.70	10.81	4.82	101.50	-2,008.05	-5,718.66	6,204.72	6,189.29	15.44	401.959		
2,100.00	2,015.06	1,242.58	1,240.82	11.46	4.97	101.69	-2,005.83	-5,724.49	6,226.24	6,210.05	16.19	384.614		
2,200.00	2,106.70	1,306.37	1,303.85	12.11	5.21	101.98	-2,002.33	-5,733.66	6,248.62	6,231.59	17.03	366.979		
2,300.00	2,198.34	1,407.90	1,388.56	12.78	5.62	102.36	-1,997.64	-5,745.99	6,271.38	6,253.36	18.02	348.001		
2,400.00	2,289.98	1,477.83	1,473.27	13.44	5.91	102.74	-1,992.95	-5,758.32	6,294.49	6,275.57	18.91	332.778		
2,500.00	2,381.61	1,563.56	1,557.98	14.11	6.29	103.12	-1,988.25	-5,770.65	6,317.92	6,298.04	19.88	317.798		
2,600.00	2,473.25	1,649.29	1,642.68	14.79	6.67	103.50	-1,983.56	-5,782.98	6,341.69	6,320.84	20.86	304.067		
2,700.00	2,564.89	1,735.01	1,727.39	15.47	7.06	103.87	-1,978.87	-5,795.30	6,365.79	6,343.95	21.84	291.465		
2,800.00	2,656.52	1,820.74	1,812.10	16.15	7.46	104.24	-1,974.17	-5,807.63	6,390.21	6,367.38	22.83	279.878		
2,900.00	2,748.16	1,906.47	1,896.80	16.83	7.87	104.61	-1,969.48	-5,819.96	6,414.95	6,391.12	23.83	269.205		
3,000.00	2,839.80	2,007.80	1,981.51	17.52	8.37	104.98	-1,964.78	-5,832.29	6,440.01	6,415.11	24.90	258.656		
3,100.00	2,931.43	2,077.93	2,066.22	18.20	8.71	105.34	-1,960.09	-5,844.62	6,465.38	6,439.54	25.84	250.244		
3,200.00	3,023.07	2,163.65	2,150.93	18.89	9.13	105.70	-1,955.40	-5,856.95	6,491.06	6,464.21	26.84	241.803		
3,300.00	3,114.71	2,249.38	2,235.63	19.58	9.56	106.06	-1,950.70	-5,869.28	6,517.04	6,489.19	27.85	233.965		
3,400.00	3,206.35	2,335.11	2,320.34	20.27	10.00	106.42	-1,946.01	-5,881.61	6,543.33	6,514.46	28.87	226.675		
3,500.00	3,297.98	2,420.84	2,405.05	20.97	10.43	106.78	-1,941.32	-5,893.94	6,569.91	6,540.03	29.88	219.880		
3,600.00	3,389.62	2,506.57	2,489.75	21.66	10.87	107.13	-1,936.62	-5,906.26	6,596.79	6,565.90	30.89	213.535		
3,700.00	3,481.26	2,607.71	2,574.46	22.36	11.39	107.48	-1,931.93	-5,918.59	6,623.96	6,591.99	31.98	207.151		
3,800.00	3,572.89	2,678.02	2,659.17	23.05	11.75	107.83	-1,927.24	-5,930.92	6,651.42	6,618.50	32.92	202.039		
3,900.00	3,664.53	2,763.75	2,743.87	23.75	12.19	108.17	-1,922.54	-5,943.25	6,679.16	6,645.23	33.94	196.819		
4,000.00	3,756.17	2,849.48	2,828.58	24.45	12.64	108.52	-1,917.85	-5,955.58	6,707.19	6,672.24	34.95	191.913		
4,100.00	3,847.80	2,935.21	2,913.29	25.14	13.09	108.86	-1,913.15	-5,967.91	6,735.49	6,699.52	35.96	187.295		
4,200.00	3,939.44	3,020.94	2,998.00	25.84	13.53	109.20	-1,908.46	-5,980.24	6,764.06	6,727.09	36.97	182.940		
4,300.00	4,031.08	3,106.66	3,082.70	26.54	13.98	109.54	-1,903.77	-5,992.57	6,792.90	6,754.92	37.99	178.629		
4,400.00	4,122.72	3,207.61	3,167.41	27.24	14.51	109.87	-1,899.07	-6,004.90	6,822.01	6,782.95	39.07	174.832		
4,500.00	4,214.35	3,278.12	3,252.12	27.94	14.88	110.20	-1,894.38	-6,017.22	6,851.39	6,811.38	40.00	171.264		
4,600.00	4,305.99	3,363.85	3,336.82	28.64	15.34	110.53	-1,889.69	-6,029.55	6,881.02	6,840.01	41.01	167.777		
4,700.00	4,397.63	3,449.58	3,421.53	29.35	15.79	110.86	-1,884.99	-6,041.88	6,910.91	6,868.89	42.02	164.469		
4,800.00	4,489.26	3,535.30	3,506.24	30.05	16.24	111.19	-1,880.30	-6,054.21	6,941.05	6,898.03	43.02	161.327		
4,900.00	4,580.90	3,621.03	3,590.95	30.75	16.70	111.51	-1,875.60	-6,066.54	6,971.44	6,927.41	44.03	158.339		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Harvesters Resources #15R-403(PR) - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 800-MWD													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	3,706.76	3,675.65	31.45	17.15	111.83	-1,870.91	-6,078.87	7,002.08	6,957.05	45.03	155.494		
5,100.00	4,764.17	3,807.51	3,760.36	32.16	17.69	112.15	-1,866.22	-6,091.20	7,032.96	6,986.86	46.10	152.556		
5,200.00	4,855.81	3,878.22	3,845.07	32.86	18.06	112.47	-1,861.52	-6,103.53	7,064.09	7,017.06	47.03	150.199		
5,300.00	4,947.45	3,963.95	3,929.77	33.56	18.52	112.78	-1,856.83	-6,115.85	7,095.45	7,047.42	48.03	147.732		
5,400.00	5,039.08	4,049.67	4,014.48	34.27	18.98	113.09	-1,852.14	-6,128.18	7,127.04	7,078.01	49.03	145.374		
5,500.00	5,130.72	4,135.40	4,099.19	34.97	19.44	113.40	-1,847.44	-6,140.51	7,158.87	7,108.84	50.02	143.119		
5,600.00	5,222.36	4,221.13	4,183.89	35.68	19.89	113.71	-1,842.75	-6,152.84	7,190.92	7,139.90	51.01	140.962		
5,700.00	5,314.00	4,306.86	4,268.60	36.38	20.35	114.02	-1,838.06	-6,165.17	7,223.19	7,171.19	52.00	138.895		
5,800.00	5,405.63	4,407.41	4,353.31	37.08	20.89	114.32	-1,833.36	-6,177.50	7,255.69	7,202.63	53.06	136.738		
5,900.00	5,497.27	4,478.31	4,438.02	37.79	21.27	114.62	-1,828.67	-6,189.83	7,288.41	7,234.43	53.98	135.013		
6,000.00	5,588.91	4,564.04	4,522.72	38.50	21.73	114.92	-1,823.97	-6,202.16	7,321.34	7,266.37	54.97	133.189		
6,100.00	5,680.54	4,649.77	4,607.43	39.20	22.19	115.21	-1,819.28	-6,214.49	7,354.49	7,298.54	55.95	131.437		
6,200.00	5,772.18	4,735.50	4,692.14	39.91	22.65	115.51	-1,814.59	-6,226.81	7,387.85	7,330.91	56.94	129.752		
6,300.00	5,863.82	4,821.23	4,776.84	40.61	23.11	115.80	-1,809.89	-6,239.14	7,421.41	7,363.49	57.92	128.132		
6,400.00	5,955.45	4,906.96	4,861.55	41.32	23.57	116.09	-1,805.20	-6,251.47	7,455.18	7,396.28	58.90	126.573		
6,500.00	6,047.09	5,007.32	4,946.26	42.02	24.11	116.38	-1,800.51	-6,263.80	7,489.15	7,429.20	59.95	124.931		
6,600.00	6,138.73	5,078.41	5,030.97	42.73	24.49	116.66	-1,795.81	-6,276.13	7,523.32	7,462.46	60.86	123.625		
6,700.00	6,230.37	5,164.14	5,115.67	43.44	24.95	116.95	-1,791.12	-6,288.46	7,557.68	7,495.85	61.83	122.230		
6,712.03	6,241.39	5,174.45	5,125.86	43.52	25.01	116.98	-1,790.55	-6,289.94	7,561.83	7,499.88	61.95	122.065		
6,750.00	6,276.38	5,207.36	5,158.37	43.78	25.18	109.77	-1,788.75	-6,294.67	7,573.87	7,511.55	62.31	121.542		
6,800.00	6,322.91	5,251.61	5,202.10	44.09	25.42	98.95	-1,786.33	-6,301.04	7,586.45	7,523.67	62.78	120.834		
6,850.00	6,369.70	5,303.32	5,246.64	44.36	25.70	87.23	-1,783.86	-6,307.52	7,595.26	7,531.99	63.26	120.055		
6,900.00	6,416.45	5,342.28	5,291.69	44.59	25.91	75.63	-1,781.36	-6,314.08	7,600.23	7,536.57	63.66	119.394		
6,950.00	6,462.87	5,388.13	5,336.99	44.79	26.16	65.12	-1,778.85	-6,320.67	7,601.33	7,537.29	64.05	118.686		
7,000.00	6,508.69	5,433.95	5,382.26	44.95	26.40	56.20	-1,776.35	-6,327.26	7,598.56	7,534.16	64.40	117.991		
7,050.00	6,553.61	5,479.45	5,427.22	45.09	26.65	48.94	-1,773.85	-6,333.80	7,591.94	7,527.22	64.72	117.308		
7,100.00	6,597.37	5,524.35	5,471.59	45.20	26.89	43.14	-1,771.40	-6,340.26	7,581.50	7,516.50	65.00	116.636		
7,150.00	6,639.68	5,568.38	5,515.10	45.30	27.13	38.54	-1,768.99	-6,346.59	7,567.30	7,502.05	65.25	115.969		
7,200.00	6,680.29	5,622.62	6,648.99	45.39	32.68	38.42	-1,826.22	-6,428.55	7,542.65	7,470.69	71.96	104.821		
7,250.00	6,718.96	7,005.37	6,919.92	45.48	32.84	35.44	-1,868.75	-6,428.55	7,514.05	7,441.80	72.25	104.006		
7,300.00	6,755.43	7,079.63	6,979.34	45.57	32.95	33.00	-1,913.26	-6,428.54	7,482.13	7,409.63	72.50	103.200		
7,350.00	6,789.49	7,144.71	7,027.64	45.67	33.03	31.01	-1,956.84	-6,428.54	7,447.15	7,374.42	72.73	102.394		
7,400.00	6,820.93	7,200.64	7,066.06	45.77	33.10	29.40	-1,997.47	-6,428.54	7,409.39	7,336.47	72.92	101.608		
7,450.00	6,849.55	7,247.94	7,096.17	45.89	33.15	28.13	-2,033.94	-6,428.53	7,369.12	7,296.02	73.10	100.805		
7,500.00	6,875.17	7,287.36	7,119.49	46.02	33.19	27.18	-2,065.72	-6,428.53	7,326.62	7,253.37	73.24	100.032		
7,550.00	6,897.64	7,319.69	7,137.37	46.17	33.23	26.56	-2,092.65	-6,428.53	7,282.16	7,208.80	73.37	99.258		
7,600.00	6,916.82	7,345.66	7,150.90	46.35	33.26	26.31	-2,114.81	-6,428.52	7,236.05	7,162.58	73.47	98.496		
7,650.00	6,932.60	7,365.91	7,160.93	46.55	33.28	26.58	-2,132.41	-6,428.52	7,188.57	7,115.03	73.54	97.752		
7,700.00	6,944.86	7,380.95	7,168.07	46.78	33.30	27.78	-2,145.64	-6,428.52	7,140.00	7,066.41	73.59	97.022		
7,750.00	6,953.55	7,391.17	7,172.77	47.04	33.31	31.39	-2,154.72	-6,428.52	7,090.67	7,017.04	73.63	96.307		
7,800.00	6,958.59	7,396.85	7,175.33	47.33	33.32	48.46	-2,159.79	-6,428.52	7,040.86	6,967.21	73.64	95.607		
7,842.10	6,960.00	7,398.22	7,175.94	47.60	33.33	158.11	-2,161.02	-6,428.52	6,998.78	6,925.13	73.65	95.030		
7,900.00	6,960.15	7,397.99	7,175.84	48.01	33.32	158.05	-2,160.81	-6,428.52	6,940.91	6,867.26	73.65	94.246		
8,000.00	6,960.40	7,397.59	7,175.66	48.86	33.32	157.95	-2,160.45	-6,428.52	6,840.96	6,767.32	73.65	92.890		
8,100.00	6,960.65	7,397.20	7,175.49	49.87	33.32	157.85	-2,160.10	-6,428.52	6,741.02	6,667.38	73.64	91.534		
8,200.00	6,960.91	7,396.80	7,175.31	51.06	33.32	157.75	-2,159.75	-6,428.52	6,641.08	6,567.43	73.65	90.177		
8,300.00	6,961.16	7,396.41	7,175.13	52.41	33.32	157.66	-2,159.39	-6,428.52	6,541.14	6,467.49	73.65	88.818		
8,400.00	6,961.41	7,396.01	7,174.96	53.93	33.32	157.56	-2,159.04	-6,428.52	6,441.20	6,367.55	73.65	87.459		
8,500.00	6,961.66	7,395.62	7,174.78	55.59	33.32	157.46	-2,158.69	-6,428.52	6,341.27	6,267.62	73.65	86.098		
8,600.00	6,961.91	7,395.23	7,174.60	57.37	33.32	157.36	-2,158.34	-6,428.52	6,241.33	6,167.68	73.66	84.737		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	6,962.16	7,394.83	7,174.43	59.27	33.32	157.26	-2,157.99	-6,428.52	6,141.40	6,067.74	73.66	83.375		
8,800.00	6,962.42	7,394.44	7,174.25	61.26	33.32	157.17	-2,157.64	-6,428.52	6,041.47	5,967.81	73.67	82.011		
8,900.00	6,962.67	7,394.05	7,174.08	63.34	33.32	157.07	-2,157.29	-6,428.52	5,941.55	5,867.87	73.67	80.648		
9,000.00	6,962.92	7,393.66	7,173.90	65.49	33.32	156.97	-2,156.94	-6,428.52	5,841.62	5,767.94	73.68	79.283		
9,100.00	6,963.17	7,393.27	7,173.72	67.70	33.32	156.88	-2,156.59	-6,428.52	5,741.70	5,668.01	73.69	77.918		
9,200.00	6,963.42	7,392.88	7,173.55	69.97	33.32	156.78	-2,156.25	-6,428.52	5,641.78	5,568.08	73.70	76.551		
9,300.00	6,963.68	7,392.49	7,173.37	72.28	33.31	156.68	-2,155.90	-6,428.52	5,541.87	5,468.16	73.71	75.185		
9,400.00	6,963.93	7,392.11	7,173.20	74.64	33.31	156.59	-2,155.55	-6,428.52	5,441.96	5,368.23	73.72	73.818		
9,500.00	6,964.18	7,391.72	7,173.02	77.04	33.31	156.49	-2,155.21	-6,428.52	5,342.05	5,268.31	73.73	72.450		
9,600.00	6,964.43	7,391.33	7,172.84	79.48	33.31	156.39	-2,154.86	-6,428.52	5,242.14	5,168.39	73.75	71.081		
9,700.00	6,964.68	7,390.95	7,172.67	81.94	33.31	156.30	-2,154.52	-6,428.52	5,142.24	5,068.47	73.76	69.713		
9,800.00	6,964.94	7,390.56	7,172.49	84.43	33.31	156.20	-2,154.18	-6,428.52	5,042.34	4,968.56	73.78	68.343		
9,900.00	6,965.19	7,390.18	7,172.32	86.95	33.31	156.10	-2,153.83	-6,428.52	4,942.44	4,868.65	73.80	66.974		
10,000.00	6,965.44	7,389.79	7,172.14	89.49	33.31	156.01	-2,153.49	-6,428.52	4,842.55	4,768.74	73.82	65.604		
10,100.00	6,965.69	7,389.41	7,171.97	92.05	33.31	155.91	-2,153.15	-6,428.52	4,742.67	4,668.83	73.84	64.233		
10,200.00	6,965.94	7,389.03	7,171.79	94.63	33.31	155.82	-2,152.81	-6,428.52	4,642.79	4,568.93	73.86	62.863		
10,300.00	6,966.19	7,388.64	7,171.62	97.22	33.31	155.72	-2,152.47	-6,428.52	4,542.91	4,469.03	73.88	61.492		
10,400.00	6,966.45	7,388.26	7,171.45	99.83	33.31	155.63	-2,152.13	-6,428.52	4,443.04	4,369.14	73.90	60.120		
10,500.00	6,966.70	7,387.88	7,171.27	102.46	33.31	155.53	-2,151.79	-6,428.52	4,343.18	4,269.25	73.93	58.749		
10,600.00	6,966.95	7,387.50	7,171.10	105.09	33.31	155.44	-2,151.45	-6,428.52	4,243.32	4,169.37	73.95	57.377		
10,700.00	6,967.20	7,387.12	7,170.92	107.74	33.31	155.34	-2,151.12	-6,428.52	4,143.47	4,069.49	73.98	56.006		
10,800.00	6,967.45	7,386.74	7,170.75	110.41	33.31	155.25	-2,150.78	-6,428.52	4,043.63	3,969.62	74.01	54.634		
10,900.00	6,967.71	7,386.36	7,170.57	113.08	33.30	155.15	-2,150.44	-6,428.52	3,943.79	3,869.75	74.05	53.262		
11,000.00	6,967.96	7,385.98	7,170.40	115.76	33.30	155.06	-2,150.11	-6,428.52	3,843.97	3,769.89	74.08	51.890		
11,100.00	6,968.21	7,385.61	7,170.23	118.45	33.30	154.96	-2,149.77	-6,428.52	3,744.15	3,670.03	74.12	50.518		
11,200.00	6,968.46	7,385.23	7,170.05	121.15	33.30	154.87	-2,149.44	-6,428.52	3,644.34	3,570.19	74.15	49.145		
11,300.00	6,968.71	7,384.85	7,169.88	123.85	33.30	154.78	-2,149.10	-6,428.52	3,544.55	3,470.35	74.20	47.773		
11,400.00	6,968.97	7,384.48	7,169.71	126.56	33.30	154.68	-2,148.77	-6,428.52	3,444.76	3,370.52	74.24	46.401		
11,500.00	6,969.22	7,384.10	7,169.53	129.28	33.30	154.59	-2,148.44	-6,428.52	3,344.99	3,270.70	74.29	45.028		
11,600.00	6,969.47	7,383.73	7,169.36	132.01	33.30	154.49	-2,148.11	-6,428.52	3,245.23	3,170.89	74.34	43.656		
11,700.00	6,969.72	7,383.36	7,169.19	134.74	33.30	154.40	-2,147.78	-6,428.52	3,145.49	3,071.10	74.39	42.283		
11,800.00	6,969.97	7,382.98	7,169.01	137.48	33.30	154.31	-2,147.44	-6,428.52	3,045.76	2,971.31	74.45	40.911		
11,900.00	6,970.22	7,382.61	7,168.84	140.22	33.30	154.21	-2,147.11	-6,428.52	2,946.05	2,871.54	74.51	39.538		
12,000.00	6,970.48	7,382.24	7,168.67	142.97	33.30	154.12	-2,146.79	-6,428.52	2,846.37	2,771.79	74.58	38.166		
12,100.00	6,970.73	7,381.87	7,168.49	145.72	33.30	154.03	-2,146.46	-6,428.52	2,746.70	2,672.05	74.65	36.793		
12,200.00	6,970.98	7,381.50	7,168.32	148.47	33.30	153.94	-2,146.13	-6,428.52	2,647.07	2,572.33	74.73	35.419		
12,300.00	6,971.23	7,381.12	7,168.15	151.23	33.30	153.84	-2,145.80	-6,428.52	2,547.45	2,472.63	74.82	34.046		
12,400.00	6,971.48	7,380.76	7,167.98	154.00	33.30	153.75	-2,145.47	-6,428.52	2,447.88	2,372.95	74.92	32.672		
12,500.00	6,971.74	7,380.39	7,167.81	156.76	33.30	153.66	-2,145.15	-6,428.52	2,348.33	2,273.30	75.03	31.298		
12,600.00	6,971.99	7,380.02	7,167.63	159.53	33.30	153.57	-2,144.82	-6,428.52	2,248.83	2,173.68	75.15	29.923		
12,700.00	6,972.24	7,379.65	7,167.46	162.31	33.29	153.47	-2,144.50	-6,428.52	2,149.37	2,074.08	75.29	28.548		
12,800.00	6,972.49	7,379.28	7,167.29	165.09	33.29	153.38	-2,144.17	-6,428.52	2,049.97	1,974.53	75.45	27.171		
12,900.00	6,972.74	7,378.92	7,167.12	167.86	33.29	153.29	-2,143.85	-6,428.52	1,950.63	1,875.01	75.62	25.794		
13,002.01	6,973.00	7,378.54	7,166.94	170.70	33.29	153.20	-2,143.52	-6,428.52	1,849.36	1,773.53	75.83	24.388	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-109.81	-2,017.98	-5,600.82	5,953.27					
100.00	100.00	85.00	85.00	3.28	3.29	-109.81	-2,017.98	-5,600.82	5,953.27	5,946.70	6.57	906.129		
200.00	200.00	185.00	185.00	3.34	3.31	-109.81	-2,017.98	-5,600.82	5,953.27	5,946.63	6.64	896.298		
300.00	300.00	285.00	285.00	3.44	3.34	-109.81	-2,017.98	-5,600.82	5,953.27	5,946.49	6.78	877.547		
400.00	399.98	384.98	384.98	3.60	3.39	100.80	-2,017.98	-5,600.82	5,953.60	5,946.62	6.98	852.606		
500.00	499.84	484.84	484.84	3.79	3.45	100.83	-2,017.98	-5,600.82	5,954.58	5,947.35	7.23	823.162		
600.00	599.45	584.45	584.45	4.02	3.52	100.88	-2,017.98	-5,600.82	5,956.23	5,948.69	7.54	790.007		
700.00	698.70	683.70	683.70	4.29	3.61	100.94	-2,017.98	-5,600.82	5,958.55	5,950.66	7.90	754.700		
800.00	797.47	782.47	782.47	4.60	3.70	101.03	-2,017.98	-5,600.82	5,961.57	5,953.27	8.30	718.483		
900.00	895.62	880.62	880.62	4.94	3.81	101.13	-2,017.98	-5,600.82	5,965.30	5,956.56	8.74	682.278		
1,000.00	993.06	1,606.11	1,593.35	5.31	4.99	102.68	-2,011.98	-5,592.72	5,991.84	5,981.54	10.30	581.618		
1,100.00	1,089.64	1,689.63	1,688.53	5.72	5.27	103.03	-2,005.85	-5,584.43	5,987.17	5,976.19	10.98	545.092		
1,200.00	1,185.27	1,784.38	1,782.73	6.17	5.62	103.39	-1,999.78	-5,576.24	5,983.45	5,971.69	11.75	509.139		
1,300.00	1,279.82	1,878.01	1,875.82	6.65	5.97	103.76	-1,993.79	-5,568.14	5,980.71	5,968.15	12.56	476.042		
1,400.00	1,373.17	1,970.43	1,967.70	7.17	6.34	104.13	-1,987.87	-5,560.14	5,979.03	5,965.61	13.42	445.491		
1,479.95	1,446.87	2,043.36	2,040.20	7.61	6.63	104.43	-1,983.20	-5,553.83	5,978.49	5,964.35	14.14	422.907		
1,500.00	1,465.24	2,061.53	2,058.27	7.72	6.71	104.50	-1,982.03	-5,552.26	5,978.45	5,964.13	14.32	417.506		
1,553.66	1,514.42	2,110.18	2,106.64	8.04	6.91	104.70	-1,978.92	-5,548.05	5,978.41	5,963.59	14.82	403.467		
1,600.00	1,556.88	2,152.19	2,148.41	8.31	7.08	104.87	-1,976.22	-5,544.42	5,978.44	5,963.19	15.25	391.978		
1,700.00	1,648.52	2,242.85	2,238.54	8.92	7.47	105.23	-1,970.42	-5,536.58	5,978.73	5,962.52	16.21	368.879		
1,800.00	1,740.15	2,333.52	2,328.67	9.54	7.86	105.60	-1,964.61	-5,528.73	5,979.31	5,962.13	17.18	347.983		
1,900.00	1,831.79	2,424.18	2,418.81	10.17	8.25	105.97	-1,958.80	-5,520.89	5,980.19	5,962.02	18.17	329.062		
2,000.00	1,923.43	2,514.84	2,508.94	10.81	8.65	106.33	-1,953.00	-5,513.05	5,981.37	5,962.20	19.18	311.902		
2,100.00	2,015.06	2,605.50	2,599.08	11.46	9.05	106.70	-1,947.19	-5,505.21	5,982.85	5,962.66	20.19	296.304		
2,200.00	2,106.70	2,703.84	2,689.21	12.11	9.50	107.07	-1,941.38	-5,497.36	5,984.63	5,963.38	21.25	281.663		
2,300.00	2,198.34	2,786.82	2,779.34	12.78	9.87	107.43	-1,935.58	-5,489.52	5,986.70	5,964.45	22.25	269.107		
2,400.00	2,289.98	2,877.48	2,869.48	13.44	10.28	107.80	-1,929.77	-5,481.68	5,989.07	5,965.78	23.28	257.215		
2,500.00	2,381.61	2,968.14	2,959.61	14.11	10.70	108.16	-1,923.97	-5,473.84	5,991.73	5,967.40	24.33	246.294		
2,600.00	2,473.25	3,058.80	3,049.74	14.79	11.12	108.53	-1,918.16	-5,465.99	5,994.69	5,969.31	25.38	236.240		
2,700.00	2,564.89	3,149.46	3,139.88	15.47	11.54	108.89	-1,912.35	-5,458.15	5,997.95	5,971.52	26.43	226.961		
2,800.00	2,656.52	3,240.12	3,230.01	16.15	11.96	109.26	-1,906.55	-5,450.31	6,001.50	5,974.01	27.48	218.377		
2,900.00	2,748.16	3,330.78	3,320.15	16.83	12.38	109.62	-1,900.74	-5,442.47	6,005.34	5,976.80	28.54	210.417		
3,000.00	2,839.80	3,421.44	3,410.28	17.52	12.80	109.99	-1,894.93	-5,434.62	6,009.48	5,979.88	29.60	203.020		
3,100.00	2,931.43	3,512.10	3,500.41	18.20	13.23	110.35	-1,889.13	-5,426.78	6,013.91	5,983.25	30.66	196.131		
3,200.00	3,023.07	3,602.76	3,590.55	18.89	13.65	110.71	-1,883.32	-5,418.94	6,018.64	5,986.91	31.73	189.703		
3,300.00	3,114.71	3,693.42	3,680.68	19.58	14.08	111.07	-1,877.51	-5,411.09	6,023.65	5,990.86	32.79	183.694		
3,400.00	3,206.35	3,784.08	3,770.81	20.27	14.51	111.44	-1,871.71	-5,403.25	6,028.96	5,995.10	33.86	178.065		
3,500.00	3,297.98	3,874.74	3,860.95	20.97	14.94	111.80	-1,865.90	-5,395.41	6,034.56	5,999.64	34.93	172.785		
3,600.00	3,389.62	3,965.40	3,951.08	21.66	15.37	112.16	-1,860.09	-5,387.57	6,040.45	6,004.46	35.99	167.822		
3,700.00	3,481.26	4,056.06	4,041.22	22.36	15.80	112.52	-1,854.29	-5,379.72	6,046.63	6,009.56	37.06	163.152		
3,800.00	3,572.89	4,146.72	4,131.35	23.05	16.23	112.88	-1,848.48	-5,371.88	6,053.09	6,014.96	38.13	158.750		
3,900.00	3,664.53	4,237.39	4,221.48	23.75	16.66	113.24	-1,842.67	-5,364.04	6,059.84	6,020.64	39.20	154.594		
4,000.00	3,756.17	4,328.05	4,311.62	24.45	17.09	113.59	-1,836.87	-5,356.20	6,066.88	6,026.61	40.27	150.667		
4,100.00	3,847.80	4,418.71	4,401.75	25.14	17.53	113.95	-1,831.06	-5,348.35	6,074.20	6,032.87	41.34	146.950		
4,200.00	3,939.44	4,509.37	4,491.89	25.84	17.96	114.31	-1,825.25	-5,340.51	6,081.81	6,039.40	42.40	143.427		
4,300.00	4,031.08	4,600.03	4,582.02	26.54	18.39	114.66	-1,819.45	-5,332.67	6,089.70	6,046.23	43.47	140.086		
4,400.00	4,122.72	4,709.31	4,672.15	27.24	18.92	115.02	-1,813.64	-5,324.83	6,097.87	6,053.25	44.62	136.656		
4,500.00	4,214.35	4,781.35	4,762.29	27.94	19.26	115.37	-1,807.83	-5,316.98	6,106.32	6,060.72	45.61	133.896		
4,600.00	4,305.99	4,872.01	4,852.42	28.64	19.70	115.73	-1,802.03	-5,309.14	6,115.05	6,068.38	46.67	131.024		
4,700.00	4,397.63	4,962.67	4,942.55	29.35	20.13	116.08	-1,796.22	-5,301.30	6,124.06	6,076.33	47.74	128.289		
4,800.00	4,489.26	5,053.33	5,032.69	30.05	20.57	116.43	-1,790.41	-5,293.46	6,133.35	6,084.55	48.80	125.681		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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							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)						
4,900.00	4,580.90	5,143.99	5,122.82	30.75	21.00	116.78	-1,784.61	-5,285.61	6,142.91	6,093.05	49.86	123.191					
5,000.00	4,672.54	5,234.65	5,212.96	31.45	21.44	117.13	-1,778.80	-5,277.77	6,152.75	6,101.82	50.93	120.814					
5,100.00	4,764.17	5,325.31	5,303.09	32.16	21.88	117.48	-1,772.99	-5,269.93	6,162.86	6,110.87	51.99	118.541					
5,200.00	4,855.81	5,415.97	5,393.22	32.86	22.31	117.83	-1,767.19	-5,262.09	6,173.24	6,120.19	53.05	116.366					
5,300.00	4,947.45	5,506.63	5,483.36	33.56	22.75	118.18	-1,761.38	-5,254.24	6,183.89	6,129.78	54.11	114.284					
5,400.00	5,039.08	5,597.29	5,573.49	34.27	23.19	118.52	-1,755.57	-5,246.40	6,194.82	6,139.65	55.17	112.289					
5,500.00	5,130.72	5,687.95	5,663.62	34.97	23.63	118.87	-1,749.77	-5,238.56	6,206.01	6,149.78	56.23	110.376					
5,600.00	5,222.36	5,716.15	5,691.66	35.68	23.76	118.98	-1,747.96	-5,236.12	6,217.78	6,160.79	56.99	109.106					
5,700.00	5,314.00	5,771.48	5,746.72	36.38	24.02	119.18	-1,744.73	-5,231.76	6,230.38	6,172.51	57.87	107.661					
5,800.00	5,405.63	5,800.00	5,775.14	37.08	24.16	119.29	-1,743.32	-5,229.85	6,244.21	6,185.59	58.62	106.523					
5,900.00	5,497.27	5,837.37	5,812.41	37.79	24.32	119.42	-1,741.72	-5,227.68	6,259.11	6,199.72	59.40	105.378					
6,000.00	5,588.91	5,870.44	5,845.43	38.50	24.47	119.54	-1,740.54	-5,226.10	6,275.10	6,214.95	60.15	104.329					
6,100.00	5,680.54	5,900.00	5,874.95	39.20	24.60	119.64	-1,739.68	-5,224.94	6,292.15	6,231.28	60.87	103.368					
6,200.00	5,772.18	5,936.81	5,911.74	39.91	24.76	119.77	-1,738.87	-5,223.84	6,310.26	6,248.65	61.62	102.407					
6,300.00	5,863.82	5,970.09	5,945.00	40.61	24.90	119.88	-1,738.37	-5,223.17	6,329.42	6,267.08	62.34	101.528					
6,400.00	5,955.45	6,000.00	5,974.91	41.32	25.02	119.98	-1,738.12	-5,222.83	6,349.62	6,286.59	63.04	100.727					
6,500.00	6,047.09	6,057.18	6,032.09	42.02	25.25	120.16	-1,738.06	-5,222.74	6,370.79	6,306.93	63.86	99.757					
6,600.00	6,138.73	6,148.82	6,123.73	42.73	25.61	120.45	-1,738.06	-5,222.74	6,392.32	6,327.46	64.86	98.550					
6,700.00	6,230.37	6,240.46	6,215.37	43.44	25.98	120.74	-1,738.06	-5,222.74	6,414.03	6,348.17	65.86	97.384					
6,712.03	6,241.39	6,251.48	6,226.39	43.52	26.02	120.78	-1,738.06	-5,222.74	6,416.65	6,350.67	65.98	97.247					
6,750.00	6,276.38	6,286.47	6,261.38	43.78	26.16	113.52	-1,738.06	-5,222.74	6,423.84	6,357.48	66.36	96.807					
6,800.00	6,322.91	6,333.00	6,307.91	44.09	26.35	102.65	-1,738.06	-5,222.74	6,429.94	6,363.10	66.83	96.208					
6,850.00	6,369.70	6,391.36	6,366.27	44.36	26.57	90.94	-1,738.56	-5,222.74	6,432.15	6,364.81	67.34	95.514					
6,900.00	6,416.45	6,475.12	6,449.63	44.59	26.86	79.40	-1,746.19	-5,222.74	6,430.29	6,362.38	67.91	94.687					
6,950.00	6,462.87	6,562.38	6,535.05	44.79	27.12	68.90	-1,763.78	-5,222.75	6,424.26	6,355.82	68.43	93.875					
7,000.00	6,508.69	6,650.45	6,618.66	44.95	27.35	59.93	-1,791.30	-5,222.75	6,414.06	6,345.16	68.90	93.090					
7,050.00	6,553.61	6,736.45	6,696.73	45.09	27.54	52.56	-1,827.27	-5,222.76	6,399.77	6,330.46	69.31	92.331					
7,100.00	6,597.37	6,817.84	6,766.45	45.20	27.70	46.60	-1,869.19	-5,222.76	6,381.51	6,311.84	69.67	91.591					
7,150.00	6,639.68	6,892.76	6,826.35	45.30	27.82	41.78	-1,914.14	-5,222.77	6,359.45	6,289.46	69.99	90.860					
7,200.00	6,680.29	6,960.14	6,876.24	45.39	27.91	37.88	-1,959.40	-5,222.78	6,333.78	6,263.50	70.28	90.123					
7,250.00	6,718.96	7,019.65	6,916.83	45.48	27.98	34.70	-2,002.89	-5,222.78	6,304.71	6,234.18	70.53	89.389					
7,300.00	6,755.43	7,071.46	6,949.32	45.57	28.04	32.09	-2,043.23	-5,222.79	6,272.49	6,201.73	70.76	88.649					
7,350.00	6,789.49	7,116.06	6,975.05	45.67	28.10	29.94	-2,079.65	-5,222.80	6,237.34	6,166.39	70.95	87.912					
7,400.00	6,820.93	7,154.08	6,995.27	45.77	28.15	28.18	-2,111.85	-5,222.80	6,199.52	6,128.39	71.12	87.167					
7,450.00	6,849.55	7,186.19	7,011.09	45.89	28.23	26.75	-2,139.79	-5,222.81	6,159.26	6,088.01	71.25	86.440					
7,500.00	6,875.17	7,213.01	7,023.39	46.02	28.36	25.59	-2,163.62	-5,222.81	6,116.83	6,045.46	71.37	85.709					
7,550.00	6,897.64	7,235.11	7,032.89	46.17	28.47	24.70	-2,183.58	-5,222.81	6,072.48	6,001.02	71.46	84.973					
7,600.00	6,916.82	7,252.96	7,040.14	46.35	28.57	24.06	-2,199.89	-5,222.82	6,026.48	5,954.95	71.53	84.246					
7,650.00	6,932.60	7,266.95	7,045.55	46.55	28.65	23.72	-2,212.79	-5,222.82	5,979.10	5,907.52	71.59	83.525					
7,700.00	6,944.86	7,277.39	7,049.44	46.78	28.71	23.79	-2,222.47	-5,222.82	5,930.64	5,859.02	71.62	82.808					
7,750.00	6,953.55	7,284.50	7,052.01	47.04	28.75	24.77	-2,229.11	-5,222.82	5,881.36	5,809.72	71.64	82.096					
7,800.00	6,958.59	7,288.45	7,053.41	47.33	28.78	30.08	-2,232.80	-5,222.82	5,831.59	5,759.94	71.65	81.388					
7,842.10	6,960.00	7,289.40	7,053.74	47.60	28.78	169.18	-2,233.68	-5,222.82	5,789.51	5,717.85	71.65	80.798					
7,900.00	6,960.15	7,289.20	7,053.68	48.01	28.78	169.07	-2,233.50	-5,222.82	5,731.61	5,659.96	71.65	79.990					
8,000.00	6,960.40	7,288.87	7,053.56	48.86	28.78	168.87	-2,233.20	-5,222.82	5,631.63	5,559.97	71.66	78.594					
8,100.00	6,960.65	7,288.54	7,053.44	49.87	28.78	168.68	-2,232.89	-5,222.82	5,531.64	5,459.98	71.66	77.197					
8,200.00	6,960.91	7,288.22	7,053.33	51.06	28.78	168.48	-2,232.58	-5,222.82	5,431.66	5,360.00	71.66	75.799					
8,300.00	6,961.16	7,287.89	7,053.21	52.41	28.77	168.29	-2,232.27	-5,222.82	5,331.67	5,260.01	71.66	74.400					
8,400.00	6,961.41	7,287.56	7,053.10	53.93	28.77	168.09	-2,231.96	-5,222.82	5,231.69	5,160.02	71.67	73.000					
8,500.00	6,961.66	7,287.23	7,052.98	55.59	28.77	167.90	-2,231.66	-5,222.82	5,131.70	5,060.03	71.67	71.600					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,600.00	6,961.91	7,286.90	7,052.86	57.37	28.77	167.71	-2,231.35	-5,222.82	5,031.72	4,960.04	71.68	70.199		
8,700.00	6,962.16	7,286.57	7,052.75	59.27	28.77	167.51	-2,231.04	-5,222.82	4,931.74	4,860.06	71.69	68.797		
8,800.00	6,962.42	7,286.25	7,052.63	61.26	28.76	167.32	-2,230.74	-5,222.82	4,831.76	4,760.07	71.69	67.395		
8,900.00	6,962.67	7,285.92	7,052.51	63.34	28.76	167.12	-2,230.43	-5,222.82	4,731.78	4,660.08	71.70	65.992		
9,000.00	6,962.92	7,285.59	7,052.40	65.49	28.76	166.93	-2,230.13	-5,222.82	4,631.80	4,560.09	71.71	64.589		
9,100.00	6,963.17	7,285.27	7,052.28	67.70	28.76	166.73	-2,229.82	-5,222.82	4,531.82	4,460.10	71.72	63.185		
9,200.00	6,963.42	7,284.94	7,052.17	69.97	28.76	166.54	-2,229.52	-5,222.82	4,431.84	4,360.11	71.74	61.781		
9,300.00	6,963.68	7,284.62	7,052.05	72.28	28.75	166.35	-2,229.22	-5,222.82	4,331.87	4,260.12	71.75	60.376		
9,400.00	6,963.93	7,284.29	7,051.93	74.64	28.75	166.15	-2,228.91	-5,222.82	4,231.89	4,160.13	71.76	58.971		
9,500.00	6,964.18	7,283.97	7,051.82	77.04	28.75	165.96	-2,228.61	-5,222.82	4,131.92	4,060.14	71.78	57.566		
9,600.00	6,964.43	7,283.64	7,051.70	79.48	28.75	165.76	-2,228.31	-5,222.82	4,031.95	3,960.15	71.79	56.160		
9,700.00	6,964.68	7,283.32	7,051.59	81.94	28.75	165.57	-2,228.00	-5,222.82	3,931.97	3,860.16	71.81	54.755		
9,800.00	6,964.94	7,283.00	7,051.47	84.43	28.74	165.38	-2,227.70	-5,222.82	3,832.00	3,760.18	71.83	53.349		
9,900.00	6,965.19	7,282.67	7,051.35	86.95	28.74	165.18	-2,227.40	-5,222.82	3,732.04	3,660.19	71.85	51.943		
10,000.00	6,965.44	7,282.35	7,051.24	89.49	28.74	164.99	-2,227.10	-5,222.82	3,632.07	3,560.20	71.87	50.537		
10,100.00	6,965.69	7,282.03	7,051.12	92.05	28.74	164.79	-2,226.80	-5,222.82	3,532.10	3,460.21	71.89	49.132		
10,200.00	6,965.94	7,281.71	7,051.01	94.63	28.74	164.60	-2,226.50	-5,222.82	3,432.14	3,360.23	71.91	47.726		
10,300.00	6,966.19	7,281.39	7,050.89	97.22	28.73	164.41	-2,226.20	-5,222.82	3,332.18	3,260.24	71.94	46.320		
10,400.00	6,966.45	7,281.07	7,050.77	99.83	28.73	164.21	-2,225.90	-5,222.82	3,232.22	3,160.26	71.96	44.915		
10,500.00	6,966.70	7,280.74	7,050.66	102.46	28.73	164.02	-2,225.60	-5,222.82	3,132.27	3,060.28	71.99	43.509		
10,600.00	6,966.95	7,280.42	7,050.54	105.09	28.73	163.83	-2,225.30	-5,222.82	3,032.31	2,960.29	72.02	42.104		
10,700.00	6,967.20	7,280.10	7,050.43	107.74	28.73	163.64	-2,225.00	-5,222.82	2,932.36	2,860.31	72.05	40.699		
10,800.00	6,967.45	7,279.78	7,050.31	110.41	28.73	163.44	-2,224.71	-5,222.82	2,832.42	2,760.34	72.08	39.295		
10,900.00	6,967.71	7,279.47	7,050.19	113.08	28.72	163.25	-2,224.41	-5,222.82	2,732.48	2,660.36	72.11	37.891		
11,000.00	6,967.96	7,279.15	7,050.08	115.76	28.72	163.06	-2,224.11	-5,222.82	2,632.54	2,560.39	72.15	36.487		
11,100.00	6,968.21	7,278.83	7,049.96	118.45	28.72	162.87	-2,223.82	-5,222.82	2,532.61	2,460.42	72.19	35.084		
11,200.00	6,968.46	7,278.51	7,049.85	121.15	28.72	162.67	-2,223.52	-5,222.82	2,432.68	2,360.45	72.23	33.681		
11,300.00	6,968.71	7,278.19	7,049.73	123.85	28.72	162.48	-2,223.22	-5,222.82	2,332.76	2,260.49	72.27	32.279		
11,400.00	6,968.97	7,277.87	7,049.61	126.56	28.71	162.29	-2,222.93	-5,222.82	2,232.84	2,160.53	72.31	30.877		
11,500.00	6,969.22	7,277.56	7,049.50	129.28	28.71	162.10	-2,222.63	-5,222.82	2,132.94	2,060.57	72.36	29.476		
11,600.00	6,969.47	7,277.24	7,049.38	132.01	28.71	161.91	-2,222.34	-5,222.82	2,033.04	1,960.63	72.41	28.076		
11,700.00	6,969.72	7,276.92	7,049.27	134.74	28.71	161.71	-2,222.04	-5,222.82	1,933.15	1,860.68	72.47	26.676		
11,800.00	6,969.97	7,276.61	7,049.15	137.48	28.71	161.52	-2,221.75	-5,222.82	1,833.28	1,760.75	72.53	25.277		
11,900.00	6,970.22	7,276.29	7,049.04	140.22	28.70	161.33	-2,221.46	-5,222.82	1,733.42	1,660.83	72.59	23.878		
12,000.00	6,970.48	7,275.98	7,048.92	142.97	28.70	161.14	-2,221.16	-5,222.82	1,633.58	1,560.91	72.67	22.481		
12,100.00	6,970.73	7,275.66	7,048.80	145.72	28.70	160.95	-2,220.87	-5,222.82	1,533.75	1,461.01	72.75	21.083		
12,200.00	6,970.98	7,275.35	7,048.69	148.47	28.70	160.76	-2,220.58	-5,222.82	1,433.96	1,361.12	72.84	19.687		
12,300.00	6,971.23	7,275.03	7,048.57	151.23	28.70	160.57	-2,220.29	-5,222.82	1,334.19	1,261.25	72.94	18.291		
12,400.00	6,971.48	7,274.72	7,048.46	154.00	28.69	160.38	-2,219.99	-5,222.82	1,234.46	1,161.40	73.06	16.896		
12,500.00	6,971.74	7,274.41	7,048.34	156.76	28.69	160.19	-2,219.70	-5,222.82	1,134.78	1,061.57	73.20	15.501		
12,600.00	6,971.99	7,274.09	7,048.22	159.53	28.69	160.00	-2,219.41	-5,222.82	1,035.16	961.78	73.38	14.107		
12,700.00	6,972.24	7,273.78	7,048.11	162.31	28.69	159.81	-2,219.12	-5,222.82	935.62	862.03	73.59	12.713		
12,800.00	6,972.49	7,273.47	7,047.99	165.09	28.69	159.62	-2,218.83	-5,222.82	836.19	762.32	73.87	11.319		
12,900.00	6,972.74	7,273.16	7,047.88	167.86	28.69	159.43	-2,218.54	-5,222.82	736.91	662.67	74.25	9.925		
13,002.01	6,973.00	7,272.84	7,047.76	170.70	28.68	159.23	-2,218.25	-5,222.82	635.88	561.09	74.79	8.503 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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	-109.71	-2,017.98	-5,631.41	5,982.06					
100.00	100.00	85.00	85.00	3.28	3.29	-109.71	-2,017.98	-5,631.41	5,982.06	5,975.49	6.57	910.511		
200.00	200.00	185.00	185.00	3.34	3.31	-109.71	-2,017.98	-5,631.41	5,982.06	5,975.42	6.64	900.632		
300.00	300.00	285.00	285.00	3.44	3.34	-109.71	-2,017.98	-5,631.41	5,982.06	5,975.28	6.78	881.790		
400.00	399.98	384.98	384.98	3.60	3.39	100.90	-2,017.98	-5,631.41	5,982.39	5,975.41	6.98	856.729		
500.00	499.84	484.84	484.84	3.79	3.45	100.92	-2,017.98	-5,631.41	5,983.38	5,976.15	7.23	827.143		
600.00	599.45	584.45	584.45	4.02	3.52	100.97	-2,017.98	-5,631.41	5,985.04	5,977.51	7.54	793.828		
700.00	698.70	683.70	683.70	4.29	3.61	101.04	-2,017.98	-5,631.41	5,987.39	5,979.49	7.90	758.351		
800.00	797.47	782.47	782.47	4.60	3.70	101.13	-2,017.98	-5,631.41	5,990.43	5,982.14	8.30	721.961		
900.00	895.62	880.62	880.62	4.94	3.81	101.23	-2,017.98	-5,631.41	5,994.20	5,985.46	8.74	685.582		
1,000.00	993.06	978.06	978.06	5.31	3.92	101.35	-2,017.98	-5,631.41	5,998.71	5,989.48	9.23	649.863		
1,100.00	1,089.64	1,074.64	1,074.64	5.72	4.04	101.48	-2,017.98	-5,631.41	6,004.01	5,994.25	9.76	615.232		
1,200.00	1,185.27	1,170.27	1,170.27	6.17	4.17	101.62	-2,017.98	-5,631.41	6,010.12	5,999.79	10.33	581.955		
1,300.00	1,279.82	1,264.82	1,264.82	6.65	4.30	101.77	-2,017.98	-5,631.41	6,017.08	6,006.14	10.94	550.182		
1,400.00	1,373.17	1,358.17	1,358.17	7.17	4.43	101.93	-2,017.98	-5,631.41	6,024.94	6,013.35	11.59	519.986		
1,479.95	1,446.87	1,431.87	1,431.87	7.61	4.54	102.06	-2,017.98	-5,631.41	6,031.89	6,019.76	12.14	497.027		
1,500.00	1,465.24	1,450.24	1,450.24	7.72	4.57	102.13	-2,017.98	-5,631.41	6,033.72	6,021.44	12.28	491.463		
1,600.00	1,556.88	1,541.88	1,541.88	8.31	4.71	102.47	-2,017.98	-5,631.41	6,042.99	6,029.99	13.00	464.890		
1,700.00	1,648.52	1,633.52	1,633.52	8.92	4.86	102.81	-2,017.98	-5,631.41	6,052.50	6,038.76	13.74	440.457		
1,800.00	1,740.15	1,725.15	1,725.15	9.54	5.01	103.15	-2,017.98	-5,631.41	6,062.26	6,047.76	14.50	418.049		
1,900.00	1,831.79	1,816.79	1,816.79	10.17	5.16	103.49	-2,017.98	-5,631.41	6,072.28	6,057.00	15.28	397.518		
2,000.00	1,923.43	1,908.43	1,908.43	10.81	5.32	103.82	-2,017.98	-5,631.41	6,082.54	6,066.47	16.06	378.703		
2,100.00	2,015.06	2,000.08	2,000.08	11.46	5.48	104.16	-2,017.98	-5,631.41	6,093.04	6,076.18	16.86	361.442		
2,200.00	2,106.70	2,109.25	2,109.23	12.11	5.87	104.58	-2,015.93	-5,631.79	6,103.66	6,085.77	17.89	341.159		
2,300.00	2,198.34	2,214.77	2,214.57	12.78	6.26	105.02	-2,010.07	-5,632.88	6,114.31	6,095.38	18.93	323.052		
2,400.00	2,289.98	2,311.59	2,311.00	13.44	6.63	105.44	-2,001.52	-5,634.47	6,125.09	6,105.15	19.94	307.114		
2,500.00	2,381.61	2,400.85	2,398.14	14.11	6.97	105.83	-1,993.17	-5,636.01	6,136.19	6,115.25	20.94	292.979		
2,600.00	2,473.25	2,486.70	2,485.28	14.79	7.32	106.22	-1,984.82	-5,637.56	6,147.65	6,125.71	21.94	280.191		
2,700.00	2,564.89	2,574.26	2,572.43	15.47	7.67	106.61	-1,976.46	-5,639.11	6,159.47	6,136.52	22.95	268.355		
2,800.00	2,656.52	2,661.82	2,659.57	16.15	8.04	106.99	-1,968.11	-5,640.66	6,171.64	6,147.67	23.97	257.459		
2,900.00	2,748.16	2,749.37	2,746.71	16.83	8.40	107.38	-1,959.76	-5,642.21	6,184.17	6,159.17	25.00	247.409		
3,000.00	2,839.80	2,836.93	2,833.86	17.52	8.78	107.76	-1,951.41	-5,643.76	6,197.05	6,171.02	26.02	238.120		
3,100.00	2,931.43	2,924.49	2,921.00	18.20	9.15	108.14	-1,943.05	-5,645.31	6,210.28	6,183.22	27.06	229.516		
3,200.00	3,023.07	3,012.04	3,008.14	18.89	9.53	108.53	-1,934.70	-5,646.86	6,223.85	6,195.76	28.09	221.532		
3,300.00	3,114.71	3,099.60	3,095.29	19.58	9.91	108.90	-1,926.35	-5,648.41	6,237.77	6,208.64	29.13	214.109		
3,400.00	3,206.35	3,187.16	3,182.43	20.27	10.30	109.28	-1,917.99	-5,649.96	6,252.03	6,221.86	30.17	207.193		
3,500.00	3,297.98	3,274.71	3,269.57	20.97	10.69	109.66	-1,909.64	-5,651.51	6,266.63	6,235.41	31.22	200.738		
3,600.00	3,389.62	3,362.27	3,356.72	21.66	11.08	110.04	-1,901.29	-5,653.06	6,281.57	6,249.31	32.26	194.704		
3,700.00	3,481.26	3,449.83	3,443.86	22.36	11.47	110.41	-1,892.94	-5,654.61	6,296.85	6,263.54	33.31	189.054		
3,800.00	3,572.89	3,537.38	3,531.01	23.05	11.86	110.78	-1,884.58	-5,656.16	6,312.45	6,278.10	34.35	183.754		
3,900.00	3,664.53	3,624.94	3,618.15	23.75	12.26	111.15	-1,876.23	-5,657.71	6,328.39	6,292.99	35.40	178.775		
4,000.00	3,756.17	3,712.50	3,705.29	24.45	12.66	111.52	-1,867.88	-5,659.25	6,344.65	6,308.21	36.44	174.091		
4,100.00	3,847.80	3,800.05	3,792.44	25.14	13.06	111.89	-1,859.52	-5,660.80	6,361.25	6,323.75	37.49	169.678		
4,200.00	3,939.44	3,887.61	3,879.58	25.84	13.45	112.26	-1,851.17	-5,662.35	6,378.16	6,339.62	38.54	165.514		
4,300.00	4,031.08	3,975.17	3,966.72	26.54	13.86	112.63	-1,842.82	-5,663.90	6,395.39	6,355.81	39.58	161.580		
4,400.00	4,122.72	4,062.72	4,053.87	27.24	14.26	112.99	-1,834.47	-5,665.45	6,412.94	6,372.32	40.62	157.860		
4,500.00	4,214.35	4,150.28	4,141.01	27.94	14.66	113.35	-1,826.11	-5,667.00	6,430.81	6,389.14	41.67	154.336		
4,600.00	4,305.99	4,237.84	4,228.15	28.64	15.06	113.71	-1,817.76	-5,668.55	6,448.99	6,406.28	42.71	150.996		
4,700.00	4,397.63	4,325.39	4,315.30	29.35	15.47	114.07	-1,809.41	-5,670.10	6,467.47	6,423.72	43.75	147.826		
4,800.00	4,489.26	4,412.95	4,402.44	30.05	15.87	114.43	-1,801.05	-5,671.65	6,486.27	6,441.48	44.79	144.814		
4,900.00	4,580.90	4,500.51	4,489.58	30.75	16.28	114.78	-1,792.70	-5,673.20	6,505.37	6,459.54	45.83	141.949		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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			
5,000.00	4,672.54	4,588.06	4,576.73	31.45	16.68	115.14	-1,784.35	-5,674.75	6,524.77	6,477.90	46.87	139.222			
5,100.00	4,764.17	4,675.62	4,663.87	32.16	17.09	115.49	-1,776.00	-5,676.30	6,544.47	6,496.57	47.90	136.623			
5,200.00	4,855.81	4,763.18	4,751.02	32.86	17.50	115.84	-1,767.64	-5,677.85	6,564.47	6,515.53	48.94	134.144			
5,300.00	4,947.45	4,850.73	4,838.16	33.56	17.91	116.19	-1,759.29	-5,679.40	6,584.76	6,534.79	49.97	131.779			
5,400.00	5,039.08	4,940.09	4,927.10	34.27	18.32	116.54	-1,750.77	-5,680.98	6,605.34	6,554.33	51.01	129.496			
5,500.00	5,130.72	5,079.43	5,066.07	34.97	18.95	117.06	-1,741.04	-5,682.78	6,625.84	6,573.55	52.29	126.713			
5,600.00	5,222.36	5,220.77	5,207.36	35.68	19.55	117.53	-1,737.96	-5,683.35	6,645.86	6,592.31	53.55	124.104			
5,700.00	5,314.00	5,312.41	5,299.00	36.38	19.93	117.82	-1,737.96	-5,683.35	6,665.75	6,611.19	54.56	122.165			
5,800.00	5,405.63	5,404.04	5,390.63	37.08	20.31	118.10	-1,737.96	-5,683.35	6,685.81	6,630.24	55.57	120.303			
5,900.00	5,497.27	5,495.68	5,482.27	37.79	20.69	118.38	-1,737.96	-5,683.35	6,706.06	6,649.47	56.58	118.513			
6,000.00	5,588.91	5,587.32	5,573.91	38.50	21.08	118.67	-1,737.96	-5,683.35	6,726.48	6,668.89	57.59	116.791			
6,100.00	5,680.54	5,678.95	5,665.54	39.20	21.46	118.94	-1,737.96	-5,683.35	6,747.08	6,688.48	58.60	115.134			
6,200.00	5,772.18	5,770.59	5,757.18	39.91	21.84	119.22	-1,737.96	-5,683.35	6,767.85	6,708.24	59.61	113.538			
6,300.00	5,863.82	5,862.23	5,848.82	40.61	22.22	119.50	-1,737.96	-5,683.35	6,788.80	6,728.18	60.61	112.000			
6,400.00	5,955.45	5,953.87	5,940.45	41.32	22.60	119.77	-1,737.96	-5,683.35	6,809.91	6,748.30	61.62	110.518			
6,500.00	6,047.09	6,045.50	6,032.09	42.02	22.99	120.05	-1,737.96	-5,683.35	6,831.20	6,768.58	62.62	109.088			
6,600.00	6,138.73	6,137.14	6,123.73	42.73	23.37	120.32	-1,737.96	-5,683.35	6,852.65	6,789.03	63.62	107.707			
6,700.00	6,230.37	6,228.78	6,215.37	43.44	23.75	120.59	-1,737.96	-5,683.35	6,874.27	6,809.65	64.62	106.374			
6,712.03	6,241.39	6,239.80	6,226.39	43.52	23.80	120.62	-1,737.96	-5,683.35	6,876.88	6,812.14	64.74	106.217			
6,750.00	6,276.38	6,274.79	6,261.38	43.78	23.95	113.36	-1,737.96	-5,683.35	6,884.03	6,818.91	65.12	105.716			
6,800.00	6,322.91	6,321.32	6,307.91	44.09	24.14	102.48	-1,737.96	-5,683.35	6,890.08	6,824.48	65.60	105.038			
6,850.00	6,369.70	6,368.11	6,354.70	44.36	24.34	90.73	-1,737.96	-5,683.35	6,892.25	6,826.20	66.05	104.350			
6,900.00	6,416.45	6,414.86	6,401.45	44.59	24.53	79.13	-1,737.96	-5,683.35	6,890.55	6,824.08	66.47	103.662			
6,950.00	6,462.87	6,461.29	6,447.87	44.79	24.73	68.63	-1,737.96	-5,683.35	6,884.99	6,818.13	66.86	102.983			
7,000.00	6,508.69	6,508.54	6,495.13	44.95	24.92	59.76	-1,737.97	-5,683.35	6,875.59	6,808.38	67.21	102.306			
7,050.00	6,553.61	6,559.79	6,586.14	45.09	25.27	52.68	-1,743.76	-5,683.35	6,862.26	6,794.54	67.71	101.343			
7,100.00	6,597.37	6,693.95	6,678.63	45.20	25.56	47.01	-1,761.06	-5,683.35	6,844.90	6,776.75	68.15	100.438			
7,150.00	6,639.68	6,787.52	6,767.75	45.30	25.83	42.47	-1,789.40	-5,683.34	6,823.61	6,755.08	68.53	99.566			
7,200.00	6,680.29	6,877.07	6,849.19	45.39	26.06	38.81	-1,826.52	-5,683.34	6,798.55	6,729.68	68.87	98.721			
7,250.00	6,718.96	6,959.86	6,920.14	45.48	26.26	35.83	-1,869.09	-5,683.33	6,769.91	6,700.75	69.16	97.891			
7,300.00	6,755.43	7,034.15	6,979.56	45.57	26.46	33.41	-1,913.63	-5,683.32	6,737.93	6,668.52	69.42	97.067			
7,350.00	6,789.49	7,099.22	7,027.85	45.67	26.64	31.43	-1,957.23	-5,683.31	6,702.89	6,633.26	69.64	96.253			
7,400.00	6,820.93	7,155.16	7,066.26	45.77	26.82	29.83	-1,997.88	-5,683.31	6,665.06	6,595.21	69.85	95.421			
7,450.00	6,849.55	7,202.46	7,096.35	45.89	26.98	28.58	-2,034.37	-5,683.30	6,624.72	6,554.70	70.02	94.614			
7,500.00	6,875.17	7,241.88	7,119.66	46.02	27.15	27.66	-2,066.15	-5,683.29	6,582.15	6,511.97	70.18	93.788			
7,550.00	6,897.64	7,274.21	7,137.53	46.17	27.28	27.09	-2,093.08	-5,683.29	6,537.64	6,467.33	70.31	92.988			
7,600.00	6,916.82	7,300.17	7,151.05	46.35	27.39	26.92	-2,115.25	-5,683.29	6,491.47	6,421.07	70.40	92.208			
7,650.00	6,932.60	7,320.41	7,161.06	46.55	27.50	27.33	-2,132.84	-5,683.28	6,443.94	6,373.45	70.49	91.417			
7,700.00	6,944.86	7,335.44	7,168.19	46.78	27.57	28.81	-2,146.07	-5,683.28	6,395.35	6,324.80	70.55	90.647			
7,750.00	6,953.55	7,345.66	7,172.89	47.04	27.63	33.12	-2,155.14	-5,683.28	6,345.99	6,275.40	70.59	89.896			
7,800.00	6,958.59	7,351.33	7,175.45	47.33	27.66	53.61	-2,160.21	-5,683.28	6,296.18	6,225.56	70.61	89.162			
7,842.10	6,960.00	7,352.70	7,176.06	47.60	27.66	157.69	-2,161.43	-5,683.28	6,254.10	6,183.48	70.62	88.560			
7,900.00	6,960.15	7,352.46	7,175.95	48.01	27.66	157.63	-2,161.22	-5,683.28	6,196.24	6,125.62	70.62	87.741			
8,000.00	6,960.40	7,352.06	7,175.77	48.86	27.66	157.53	-2,160.86	-5,683.28	6,096.31	6,025.69	70.62	86.326			
8,100.00	6,960.65	7,351.65	7,175.59	49.87	27.66	157.43	-2,160.49	-5,683.28	5,996.38	5,925.76	70.62	84.910			
8,200.00	6,960.91	7,351.25	7,175.41	51.06	27.66	157.33	-2,160.13	-5,683.28	5,896.46	5,825.84	70.62	83.493			
8,300.00	6,961.16	7,350.84	7,175.23	52.41	27.65	157.23	-2,159.77	-5,683.28	5,796.54	5,725.92	70.62	82.075			
8,400.00	6,961.41	7,350.44	7,175.05	53.93	27.65	157.13	-2,159.41	-5,683.28	5,696.62	5,625.99	70.63	80.656			
8,500.00	6,961.66	7,350.03	7,174.87	55.59	27.65	157.03	-2,159.05	-5,683.28	5,596.71	5,526.07	70.63	79.237			
8,600.00	6,961.91	7,349.63	7,174.69	57.37	27.65	156.93	-2,158.69	-5,683.28	5,496.80	5,426.16	70.64	77.816			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
8,700.00	6,962.16	7,349.23	7,174.50	59.27	27.65	156.83	-2,158.33	-5,683.28	5,396.89	5,326.24	70.65	76.394		
8,800.00	6,962.42	7,348.83	7,174.32	61.26	27.64	156.74	-2,157.97	-5,683.28	5,296.98	5,226.33	70.65	74.972		
8,900.00	6,962.67	7,348.43	7,174.14	63.34	27.64	156.64	-2,157.61	-5,683.28	5,197.08	5,126.42	70.66	73.548		
9,000.00	6,962.92	7,348.03	7,173.96	65.49	27.64	156.54	-2,157.25	-5,683.28	5,097.18	5,026.51	70.67	72.124		
9,100.00	6,963.17	7,347.63	7,173.78	67.70	27.64	156.44	-2,156.90	-5,683.28	4,997.29	4,926.60	70.68	70.700		
9,200.00	6,963.42	7,347.23	7,173.60	69.97	27.64	156.34	-2,156.54	-5,683.28	4,897.40	4,826.70	70.70	69.274		
9,300.00	6,963.68	7,346.83	7,173.42	72.28	27.63	156.24	-2,156.18	-5,683.28	4,797.51	4,726.80	70.71	67.848		
9,400.00	6,963.93	7,346.43	7,173.24	74.64	27.63	156.15	-2,155.83	-5,683.28	4,697.63	4,626.91	70.72	66.422		
9,500.00	6,964.18	7,346.03	7,173.06	77.04	27.63	156.05	-2,155.48	-5,683.28	4,597.76	4,527.02	70.74	64.995		
9,600.00	6,964.43	7,345.64	7,172.88	79.48	27.63	155.95	-2,155.12	-5,683.28	4,497.89	4,427.13	70.76	63.567		
9,700.00	6,964.68	7,345.24	7,172.70	81.94	27.63	155.85	-2,154.77	-5,683.28	4,398.02	4,327.25	70.78	62.139		
9,800.00	6,964.94	7,344.85	7,172.52	84.43	27.62	155.76	-2,154.42	-5,683.28	4,298.17	4,227.37	70.80	60.711		
9,900.00	6,965.19	7,344.45	7,172.34	86.95	27.62	155.66	-2,154.07	-5,683.28	4,198.32	4,127.50	70.82	59.282		
10,000.00	6,965.44	7,344.06	7,172.16	89.49	27.62	155.56	-2,153.72	-5,683.28	4,098.47	4,027.63	70.84	57.853		
10,100.00	6,965.69	7,343.67	7,171.99	92.05	27.62	155.46	-2,153.37	-5,683.28	3,998.64	3,927.77	70.87	56.424		
10,200.00	6,965.94	7,343.27	7,171.81	94.63	27.62	155.37	-2,153.02	-5,683.28	3,898.81	3,827.92	70.90	54.994		
10,300.00	6,966.19	7,342.88	7,171.63	97.22	27.61	155.27	-2,152.67	-5,683.28	3,798.99	3,728.07	70.92	53.564		
10,400.00	6,966.45	7,342.49	7,171.45	99.83	27.61	155.17	-2,152.32	-5,683.28	3,699.19	3,628.23	70.96	52.134		
10,500.00	6,966.70	7,342.10	7,171.27	102.46	27.61	155.08	-2,151.97	-5,683.28	3,599.39	3,528.40	70.99	50.703		
10,600.00	6,966.95	7,341.71	7,171.09	105.09	27.61	154.98	-2,151.63	-5,683.28	3,499.60	3,428.58	71.03	49.273		
10,700.00	6,967.20	7,341.32	7,170.91	107.74	27.61	154.89	-2,151.28	-5,683.28	3,399.83	3,328.76	71.06	47.842		
10,800.00	6,967.45	7,340.93	7,170.73	110.41	27.60	154.79	-2,150.94	-5,683.28	3,300.07	3,228.96	71.11	46.411		
10,900.00	6,967.71	7,340.54	7,170.55	113.08	27.60	154.69	-2,150.59	-5,683.28	3,200.32	3,129.17	71.15	44.980		
11,000.00	6,967.96	7,340.16	7,170.38	115.76	27.60	154.60	-2,150.25	-5,683.28	3,100.60	3,029.40	71.20	43.548		
11,100.00	6,968.21	7,339.77	7,170.20	118.45	27.60	154.50	-2,149.90	-5,683.28	3,000.89	2,929.63	71.25	42.117		
11,200.00	6,968.46	7,339.38	7,170.02	121.15	27.60	154.41	-2,149.56	-5,683.28	2,901.20	2,829.89	71.31	40.685		
11,300.00	6,968.71	7,339.00	7,169.84	123.85	27.59	154.31	-2,149.22	-5,683.28	2,801.53	2,730.16	71.37	39.253		
11,400.00	6,968.97	7,338.61	7,169.66	126.56	27.59	154.22	-2,148.88	-5,683.28	2,701.88	2,630.45	71.44	37.821		
11,500.00	6,969.22	7,338.23	7,169.49	129.28	27.59	154.12	-2,148.54	-5,683.28	2,602.27	2,530.75	71.51	36.389		
11,600.00	6,969.47	7,337.85	7,169.31	132.01	27.59	154.03	-2,148.20	-5,683.28	2,502.68	2,431.09	71.59	34.956		
11,700.00	6,969.72	7,337.46	7,169.13	134.74	27.59	153.93	-2,147.86	-5,683.28	2,403.13	2,331.44	71.69	33.523		
11,800.00	6,969.97	7,337.08	7,168.95	137.48	27.58	153.84	-2,147.52	-5,683.28	2,303.62	2,231.83	71.79	32.090		
11,900.00	6,970.22	7,336.70	7,168.78	140.22	27.58	153.75	-2,147.18	-5,683.28	2,204.15	2,132.25	71.90	30.656		
12,000.00	6,970.48	7,336.32	7,168.60	142.97	27.58	153.65	-2,146.84	-5,683.28	2,104.73	2,032.70	72.03	29.221		
12,100.00	6,970.73	7,335.94	7,168.42	145.72	27.58	153.56	-2,146.51	-5,683.28	2,005.37	1,933.20	72.17	27.785		
12,200.00	6,970.98	7,335.56	7,168.25	148.47	27.58	153.46	-2,146.17	-5,683.28	1,906.08	1,833.74	72.34	26.349		
12,300.00	6,971.23	7,335.18	7,168.07	151.23	27.57	153.37	-2,145.83	-5,683.28	1,806.86	1,734.33	72.53	24.911		
12,400.00	6,971.48	7,334.80	7,167.89	154.00	27.57	153.28	-2,145.50	-5,683.28	1,707.74	1,634.98	72.76	23.472		
12,500.00	6,971.74	7,334.42	7,167.72	156.76	27.57	153.18	-2,145.17	-5,683.28	1,608.72	1,535.70	73.02	22.031		
12,600.00	6,971.99	7,334.04	7,167.54	159.53	27.57	153.09	-2,144.83	-5,683.28	1,509.83	1,436.50	73.33	20.589		
12,700.00	6,972.24	7,333.67	7,167.36	162.31	27.57	153.00	-2,144.50	-5,683.28	1,411.10	1,337.39	73.71	19.144		
12,800.00	6,972.49	7,333.29	7,167.19	165.09	27.56	152.90	-2,144.17	-5,683.28	1,312.56	1,238.39	74.17	17.696		
12,900.00	6,972.74	7,332.91	7,167.01	167.86	27.56	152.81	-2,143.83	-5,683.28	1,214.27	1,139.52	74.74	16.246		
13,002.01	6,973.00	7,332.53	7,166.83	170.70	27.56	152.72	-2,143.50	-5,683.28	1,114.30	1,038.83	75.47	14.764 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-10.17	1,538.46	-275.86	1,565.82					
100.00	100.00	6.00	6.00	3.28	3.28	-10.17	1,538.46	-275.86	1,563.00	1,556.43	6.57	238.031		
200.00	200.00	106.00	106.00	3.34	3.82	-10.17	1,538.46	-275.86	1,563.00	1,555.84	7.16	218.435		
300.00	300.00	206.00	206.00	3.44	6.36	-10.17	1,538.46	-275.86	1,563.00	1,553.20	9.80	159.452 CC		
400.00	399.98	305.98	305.98	3.60	9.52	-159.58	1,538.46	-275.86	1,564.63	1,551.52	13.12	119.295 ES		
500.00	499.84	405.84	405.84	3.79	12.85	-159.61	1,538.46	-275.86	1,569.54	1,552.90	16.64	94.341		
600.00	599.45	505.45	505.45	4.02	16.23	-159.66	1,538.46	-275.86	1,577.71	1,557.46	20.26	77.883		
700.00	698.70	604.70	604.70	4.29	19.64	-159.74	1,538.46	-275.86	1,589.15	1,565.22	23.93	66.400		
800.00	797.47	703.47	703.47	4.60	23.05	-159.83	1,538.46	-275.86	1,603.85	1,576.22	27.64	58.027		
900.00	895.62	801.62	801.62	4.94	26.44	-159.93	1,538.46	-275.86	1,621.81	1,590.45	31.36	51.711		
1,000.00	993.06	900.94	899.06	5.31	29.89	-160.05	1,538.46	-275.86	1,643.01	1,607.85	35.16	46.735		
1,100.00	1,089.64	1,004.36	995.64	5.72	33.48	-160.19	1,538.46	-275.86	1,667.44	1,628.33	39.12	42.627		
1,200.00	1,185.27	1,108.73	1,091.27	6.17	37.11	-160.33	1,538.46	-275.86	1,695.10	1,651.96	43.13	39.299		
1,300.00	1,279.82	1,185.82	1,185.82	6.65	39.79	-160.47	1,538.46	-275.86	1,725.95	1,679.73	46.22	37.343		
1,400.00	1,373.17	1,279.17	1,279.17	7.17	43.04	-160.62	1,538.46	-275.86	1,759.98	1,710.10	49.89	35.279		
1,479.95	1,446.87	1,352.87	1,352.87	7.61	45.60	-160.74	1,538.46	-275.86	1,789.46	1,736.66	52.80	33.892		
1,500.00	1,465.24	1,371.24	1,371.24	7.72	46.24	-160.82	1,538.46	-275.86	1,797.11	1,743.58	53.53	33.572		
1,600.00	1,556.88	1,462.88	1,462.88	8.31	49.43	-161.23	1,538.46	-275.86	1,835.29	1,778.14	57.15	32.112		
1,700.00	1,648.52	1,554.52	1,554.52	8.92	52.63	-161.62	1,538.46	-275.86	1,873.55	1,812.76	60.79	30.821		
1,800.00	1,740.15	1,646.15	1,646.15	9.54	55.82	-162.00	1,538.46	-275.86	1,911.88	1,847.45	64.43	29.672		
1,900.00	1,831.79	1,737.79	1,737.79	10.17	59.01	-162.36	1,538.46	-275.86	1,950.29	1,882.20	68.09	28.644		
2,000.00	1,923.43	1,829.43	1,829.43	10.81	62.21	-162.70	1,538.46	-275.86	1,988.75	1,917.01	71.75	27.719		
2,100.00	2,015.06	1,921.06	1,921.06	11.46	65.40	-163.04	1,538.46	-275.86	2,027.28	1,951.87	75.41	26.883		
2,200.00	2,106.70	2,012.70	2,012.70	12.11	68.60	-163.36	1,538.46	-275.86	2,065.86	1,986.78	79.08	26.123		
2,300.00	2,198.34	2,104.34	2,104.34	12.78	71.79	-163.67	1,538.46	-275.86	2,104.50	2,021.75	82.75	25.431		
2,400.00	2,289.98	2,204.02	2,195.98	13.44	75.27	-163.97	1,538.46	-275.86	2,143.19	2,056.48	86.71	24.716		
2,500.00	2,381.61	2,287.61	2,287.61	14.11	78.18	-164.26	1,538.46	-275.86	2,181.93	2,091.81	90.11	24.213		
2,600.00	2,473.25	2,379.25	2,379.25	14.79	81.38	-164.54	1,538.46	-275.86	2,220.71	2,126.91	93.80	23.676		
2,700.00	2,564.89	2,470.89	2,470.89	15.47	84.58	-164.81	1,538.46	-275.86	2,259.54	2,162.06	97.48	23.179		
2,800.00	2,656.52	2,562.52	2,562.52	16.15	87.77	-165.07	1,538.46	-275.86	2,298.41	2,197.24	101.17	22.718		
2,900.00	2,748.16	2,654.16	2,654.16	16.83	90.97	-165.32	1,538.46	-275.86	2,337.31	2,232.46	104.86	22.290		
3,000.00	2,839.80	2,745.80	2,745.80	17.52	94.17	-165.56	1,538.46	-275.86	2,376.26	2,267.71	108.55	21.891		
3,100.00	2,931.43	2,837.43	2,837.43	18.20	97.36	-165.80	1,538.46	-275.86	2,415.24	2,303.00	112.24	21.518		
3,200.00	3,023.07	2,929.07	2,929.07	18.89	100.56	-166.02	1,538.46	-275.86	2,454.26	2,338.32	115.94	21.169		
3,300.00	3,114.71	3,020.71	3,020.71	19.58	103.76	-166.25	1,538.46	-275.86	2,493.30	2,373.67	119.63	20.841		
3,400.00	3,206.35	3,112.35	3,112.35	20.27	106.96	-166.46	1,538.46	-275.86	2,532.38	2,409.05	123.33	20.534		
3,500.00	3,297.98	3,203.98	3,203.98	20.97	110.15	-166.67	1,538.46	-275.86	2,571.49	2,444.46	127.03	20.244		
3,600.00	3,389.62	3,304.38	3,295.62	21.66	113.66	-166.87	1,538.46	-275.86	2,610.62	2,479.59	131.03	19.924		
3,700.00	3,481.26	3,387.26	3,387.26	22.36	116.55	-167.07	1,538.46	-275.86	2,649.78	2,515.36	134.42	19.712		
3,800.00	3,572.89	3,478.89	3,478.89	23.05	119.75	-167.26	1,538.46	-275.86	2,688.97	2,550.85	138.12	19.468		
3,900.00	3,664.53	3,570.53	3,570.53	23.75	122.95	-167.44	1,538.46	-275.86	2,728.19	2,586.36	141.82	19.237		
4,000.00	3,756.17	3,662.17	3,662.17	24.45	126.14	-167.62	1,538.46	-275.86	2,767.42	2,621.90	145.52	19.017		
4,100.00	3,847.80	3,753.80	3,753.80	25.14	129.34	-167.79	1,538.46	-275.86	2,806.68	2,657.45	149.23	18.808		
4,200.00	3,939.44	3,845.44	3,845.44	25.84	132.54	-167.96	1,538.46	-275.86	2,845.96	2,693.03	152.93	18.610		
4,300.00	4,031.08	3,937.08	3,937.08	26.54	135.74	-168.13	1,538.46	-275.86	2,885.26	2,728.63	156.63	18.421		
4,400.00	4,122.72	4,028.72	4,028.72	27.24	138.94	-168.29	1,538.46	-275.86	2,924.58	2,764.25	160.33	18.241		
4,500.00	4,214.35	4,120.35	4,120.35	27.94	142.13	-168.45	1,538.46	-275.86	2,963.92	2,799.88	164.04	18.069		
4,600.00	4,305.99	4,211.99	4,211.99	28.64	145.33	-168.60	1,538.46	-275.86	3,003.28	2,835.54	167.74	17.904		
4,700.00	4,397.63	4,303.63	4,303.63	29.35	148.53	-168.75	1,538.46	-275.86	3,042.65	2,871.21	171.44	17.747		
4,800.00	4,489.26	4,404.74	4,395.26	30.05	151.74	-168.89	1,538.46	-275.86	3,082.05	2,906.57	175.48	17.563		
4,900.00	4,580.90	4,486.90	4,486.90	30.75	154.93	-169.03	1,538.46	-275.86	3,121.46	2,942.60	178.85	17.452		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - J.R. #1(PA) - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
5,000.00	4,672.54	4,578.54	4,578.54	31.45	158.13	-169.17	1,538.46	-275.86	3,160.88	2,978.32	182.56	17.314				
5,100.00	4,764.17	4,670.17	4,670.17	32.16	161.32	-169.31	1,538.46	-275.86	3,200.32	3,014.05	186.27	17.181				
5,200.00	4,855.81	4,761.81	4,761.81	32.86	164.52	-169.44	1,538.46	-275.86	3,239.77	3,049.80	189.97	17.054				
5,300.00	4,947.45	4,853.45	4,853.45	33.56	167.72	-169.57	1,538.46	-275.86	3,279.24	3,085.56	193.68	16.931				
5,400.00	5,039.08	4,945.08	4,945.08	34.27	170.92	-169.69	1,538.46	-275.86	3,318.72	3,121.34	197.39	16.813				
5,500.00	5,130.72	5,036.72	5,036.72	34.97	174.12	-169.81	1,538.46	-275.86	3,358.22	3,157.13	201.09	16.700				
5,600.00	5,222.36	5,128.36	5,128.36	35.68	177.32	-169.93	1,538.46	-275.86	3,397.73	3,192.93	204.80	16.590				
5,700.00	5,314.00	5,220.00	5,220.00	36.38	180.51	-170.05	1,538.46	-275.86	3,437.25	3,228.74	208.51	16.485				
5,800.00	5,405.63	5,311.63	5,311.63	37.08	183.71	-170.16	1,538.46	-275.86	3,476.78	3,264.56	212.22	16.383				
5,900.00	5,497.27	5,403.27	5,403.27	37.79	186.91	-170.27	1,538.46	-275.86	3,516.32	3,300.40	215.92	16.285				
6,000.00	5,588.91	5,505.09	5,494.91	38.50	190.47	-170.38	1,538.46	-275.86	3,555.87	3,335.89	219.99	16.164				
6,100.00	5,680.54	5,586.54	5,586.54	39.20	193.31	-170.49	1,538.46	-275.86	3,595.44	3,372.10	223.34	16.098				
6,200.00	5,772.18	5,678.18	5,678.18	39.91	196.51	-170.59	1,538.46	-275.86	3,635.01	3,407.96	227.05	16.010				
6,300.00	5,863.82	5,769.82	5,769.82	40.61	199.71	-170.69	1,538.46	-275.86	3,674.60	3,443.84	230.76	15.924				
6,400.00	5,955.45	5,861.45	5,861.45	41.32	202.90	-170.79	1,538.46	-275.86	3,714.19	3,479.72	234.47	15.841				
6,500.00	6,047.09	5,953.09	5,953.09	42.02	206.10	-170.89	1,538.46	-275.86	3,753.79	3,515.62	238.18	15.760				
6,600.00	6,138.73	6,044.73	6,044.73	42.73	209.30	-170.99	1,538.46	-275.86	3,793.41	3,551.52	241.89	15.682				
6,700.00	6,230.37	6,136.37	6,136.37	43.44	212.50	-171.08	1,538.46	-275.86	3,833.03	3,587.43	245.60	15.607				
6,712.03	6,241.39	6,147.39	6,147.39	43.52	212.89	-171.09	1,538.46	-275.86	3,837.80	3,591.75	246.05	15.598				
6,750.00	6,276.38	6,182.38	6,182.38	43.78	214.11	-179.80	1,538.46	-275.86	3,852.48	3,605.02	247.46	15.568				
6,800.00	6,322.91	6,228.91	6,228.91	44.09	215.73	167.61	1,538.46	-275.86	3,870.65	3,621.33	249.33	15.524				
6,850.00	6,369.70	6,275.70	6,275.70	44.36	217.36	154.35	1,538.46	-275.86	3,887.41	3,636.21	251.20	15.476				
6,900.00	6,416.45	6,322.45	6,322.45	44.59	219.00	141.43	1,538.46	-275.86	3,902.66	3,649.60	253.05	15.422				
6,950.00	6,462.87	6,368.87	6,368.87	44.79	220.62	129.81	1,538.46	-275.86	3,916.32	3,661.43	254.89	15.365				
7,000.00	6,508.69	6,414.69	6,414.69	44.95	222.22	119.98	1,538.46	-275.86	3,928.37	3,671.67	256.70	15.303				
7,050.00	6,553.61	6,459.61	6,459.61	45.09	223.78	112.01	1,538.46	-275.86	3,938.74	3,680.28	258.47	15.239				
7,100.00	6,597.37	6,503.37	6,503.37	45.20	225.31	105.68	1,538.46	-275.86	3,947.45	3,687.26	260.19	15.171				
7,150.00	6,639.68	6,545.68	6,545.68	45.30	226.79	100.71	1,538.46	-275.86	3,954.47	3,692.61	261.86	15.101				
7,200.00	6,680.29	6,586.29	6,586.29	45.39	228.21	96.84	1,538.46	-275.86	3,959.84	3,696.37	263.47	15.029				
7,250.00	6,718.96	6,624.96	6,624.96	45.48	229.56	93.85	1,538.46	-275.86	3,963.58	3,698.55	265.03	14.955				
7,300.00	6,755.43	6,661.43	6,661.43	45.57	230.83	91.57	1,538.46	-275.86	3,965.72	3,699.21	266.52	14.880				
7,350.00	6,789.49	6,704.51	6,695.49	45.67	232.33	89.87	1,538.46	-275.86	3,966.34	3,698.07	268.26	14.785				
7,400.00	6,820.93	6,726.93	6,726.93	45.77	233.12	88.64	1,538.46	-275.86	3,965.48	3,696.16	269.31	14.724				
7,450.00	6,849.55	6,755.55	6,755.55	45.89	234.11	87.81	1,538.46	-275.86	3,963.21	3,692.59	270.62	14.645				
7,500.00	6,875.17	6,781.17	6,781.17	46.02	235.01	87.32	1,538.46	-275.86	3,959.61	3,687.76	271.86	14.565				
7,550.00	6,897.64	6,803.64	6,803.64	46.17	235.79	87.12	1,538.46	-275.86	3,954.76	3,681.73	273.03	14.485				
7,600.00	6,916.82	6,822.82	6,822.82	46.35	236.46	87.16	1,538.46	-275.86	3,948.74	3,674.59	274.15	14.404				
7,650.00	6,932.60	6,838.60	6,838.60	46.55	237.01	87.41	1,538.46	-275.86	3,941.63	3,666.43	275.20	14.323				
7,700.00	6,944.86	6,850.86	6,850.86	46.78	237.44	87.85	1,538.46	-275.86	3,933.50	3,657.32	276.18	14.242				
7,750.00	6,953.55	6,859.55	6,859.55	47.04	237.74	88.46	1,538.46	-275.86	3,924.44	3,647.35	277.09	14.163				
7,800.00	6,958.59	6,864.59	6,864.59	47.33	237.92	89.22	1,538.46	-275.86	3,914.52	3,636.60	277.92	14.085				
7,842.10	6,960.00	6,866.00	6,866.00	47.60	237.97	89.97	1,538.46	-275.86	3,905.55	3,627.00	278.55	14.021				
7,900.00	6,960.15	6,866.15	6,866.15	48.01	237.97	89.97	1,538.46	-275.86	3,893.26	3,613.85	279.40	13.934				
8,000.00	6,960.40	6,866.40	6,866.40	48.86	237.98	89.97	1,538.46	-275.86	3,873.97	3,592.94	281.03	13.785				
8,100.00	6,960.65	6,866.65	6,866.65	49.87	237.99	89.98	1,538.46	-275.86	3,857.18	3,574.37	282.81	13.639				
8,200.00	6,960.91	6,866.91	6,866.91	51.06	238.00	89.98	1,538.46	-275.86	3,842.92	3,558.18	284.74	13.496				
8,300.00	6,961.16	6,867.16	6,867.16	52.41	238.01	89.98	1,538.46	-275.86	3,831.21	3,544.43	286.79	13.359				
8,400.00	6,961.41	6,867.41	6,867.41	53.93	238.02	89.99	1,538.46	-275.86	3,822.09	3,533.15	288.94	13.228				
8,500.00	6,961.66	6,867.66	6,867.66	55.59	238.03	89.99	1,538.46	-275.86	3,815.57	3,524.39	291.18	13.104				
8,600.00	6,961.91	6,867.91	6,867.91	57.37	238.04	90.00	1,538.46	-275.86	3,811.66	3,518.17	293.49	12.987				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - J.R. #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,699.08	6,962.16	6,868.16	6,868.16	59.25	238.05	90.00	1,538.46	-275.86	3,810.37	3,514.54	295.83	12.880		
8,700.00	6,962.16	6,868.16	6,868.16	59.27	238.05	90.00	1,538.46	-275.86	3,810.37	3,514.52	295.85	12.879		
8,800.00	6,962.42	6,868.42	6,868.42	61.26	238.05	90.00	1,538.46	-275.86	3,811.71	3,513.45	298.25	12.780		
8,900.00	6,962.67	6,868.67	6,868.67	63.34	238.06	90.01	1,538.46	-275.86	3,815.66	3,514.99	300.68	12.690		
9,000.00	6,962.92	6,868.92	6,868.92	65.49	238.07	90.01	1,538.46	-275.86	3,822.23	3,519.12	303.11	12.610		
9,100.00	6,963.17	6,869.17	6,869.17	67.70	238.08	90.02	1,538.46	-275.86	3,831.40	3,525.86	305.54	12.540		
9,200.00	6,963.42	6,869.42	6,869.42	69.97	238.09	90.02	1,538.46	-275.86	3,843.16	3,535.19	307.97	12.479		
9,300.00	6,963.68	6,869.68	6,869.68	72.28	238.10	90.02	1,538.46	-275.86	3,857.46	3,547.09	310.37	12.429		
9,400.00	6,963.93	6,869.93	6,869.93	74.64	238.11	90.03	1,538.46	-275.86	3,874.30	3,561.56	312.74	12.388		
9,500.00	6,964.18	6,870.18	6,870.18	77.04	238.12	90.03	1,538.46	-275.86	3,893.63	3,578.55	315.08	12.358		
9,600.00	6,964.43	6,870.43	6,870.43	79.48	238.12	90.03	1,538.46	-275.86	3,915.43	3,598.05	317.37	12.337		
9,700.00	6,964.68	6,870.68	6,870.68	81.94	238.13	90.04	1,538.46	-275.86	3,939.64	3,620.02	319.62	12.326		
9,800.00	6,964.94	6,870.94	6,870.94	84.43	238.14	90.04	1,538.46	-275.86	3,966.22	3,644.41	321.81	12.325 SF		
9,900.00	6,965.19	6,871.19	6,871.19	86.95	238.15	90.05	1,538.46	-275.86	3,995.14	3,671.19	323.95	12.333		
10,000.00	6,965.44	6,871.44	6,871.44	89.49	238.16	90.05	1,538.46	-275.86	4,026.33	3,700.30	326.03	12.350		
10,100.00	6,965.69	6,871.69	6,871.69	92.05	238.17	90.05	1,538.46	-275.86	4,059.74	3,731.70	328.04	12.376		
10,200.00	6,965.94	6,871.94	6,871.94	94.63	238.18	90.06	1,538.46	-275.86	4,095.32	3,765.34	329.98	12.411		
10,300.00	6,966.19	6,872.19	6,872.19	97.22	238.19	90.06	1,538.46	-275.86	4,133.02	3,801.15	331.86	12.454		
10,400.00	6,966.45	6,872.45	6,872.45	99.83	238.19	90.06	1,538.46	-275.86	4,172.77	3,839.10	333.68	12.505		
10,500.00	6,966.70	6,872.70	6,872.70	102.46	238.20	90.07	1,538.46	-275.86	4,214.52	3,879.10	335.42	12.565		
10,600.00	6,966.95	6,872.95	6,872.95	105.09	238.21	90.07	1,538.46	-275.86	4,258.21	3,921.12	337.10	12.632		
10,700.00	6,967.20	6,873.20	6,873.20	107.74	238.22	90.08	1,538.46	-275.86	4,303.79	3,965.08	338.71	12.707		
10,800.00	6,967.45	6,873.45	6,873.45	110.41	238.23	90.08	1,538.46	-275.86	4,351.18	4,010.93	340.25	12.788		
10,900.00	6,967.71	6,873.71	6,873.71	113.08	238.24	90.08	1,538.46	-275.86	4,400.33	4,058.61	341.72	12.877		
11,000.00	6,967.96	6,873.96	6,873.96	115.76	238.25	90.09	1,538.46	-275.86	4,451.19	4,108.06	343.14	12.972		
11,100.00	6,968.21	6,874.21	6,874.21	118.45	238.26	90.09	1,538.46	-275.86	4,503.70	4,159.21	344.48	13.074		
11,200.00	6,968.46	6,874.46	6,874.46	121.15	238.26	90.09	1,538.46	-275.86	4,557.79	4,212.02	345.77	13.182		
11,300.00	6,968.71	6,874.71	6,874.71	123.85	238.27	90.10	1,538.46	-275.86	4,613.42	4,266.42	347.00	13.295		
11,400.00	6,968.97	6,874.97	6,874.97	126.56	238.28	90.10	1,538.46	-275.86	4,670.53	4,322.36	348.17	13.415		
11,500.00	6,969.22	6,875.22	6,875.22	129.28	238.29	90.11	1,538.46	-275.86	4,729.06	4,379.78	349.28	13.540		
11,600.00	6,969.47	6,875.47	6,875.47	132.01	238.30	90.11	1,538.46	-275.86	4,788.97	4,438.63	350.34	13.670		
11,700.00	6,969.72	6,875.72	6,875.72	134.74	238.31	90.11	1,538.46	-275.86	4,850.19	4,498.85	351.34	13.805		
11,800.00	6,969.97	6,875.97	6,875.97	137.48	238.32	90.12	1,538.46	-275.86	4,912.69	4,560.39	352.30	13.945		
11,900.00	6,970.22	6,876.22	6,876.22	140.22	238.33	90.12	1,538.46	-275.86	4,976.42	4,623.21	353.21	14.089		
12,000.00	6,970.48	6,876.48	6,876.48	142.97	238.34	90.13	1,538.46	-275.86	5,041.32	4,687.25	354.07	14.238		
12,100.00	6,970.73	6,876.73	6,876.73	145.72	238.34	90.13	1,538.46	-275.86	5,107.36	4,752.47	354.89	14.391		
12,200.00	6,970.98	6,876.98	6,876.98	148.47	238.35	90.13	1,538.46	-275.86	5,174.48	4,818.81	355.67	14.549		
12,300.00	6,971.23	6,877.23	6,877.23	151.23	238.36	90.14	1,538.46	-275.86	5,242.66	4,886.25	356.40	14.710		
12,400.00	6,971.48	6,877.48	6,877.48	154.00	238.37	90.14	1,538.46	-275.86	5,311.84	4,954.73	357.10	14.875		
12,500.00	6,971.74	6,877.74	6,877.74	156.76	238.38	90.14	1,538.46	-275.86	5,381.99	5,024.22	357.77	15.043		
12,600.00	6,971.99	6,877.99	6,877.99	159.53	238.39	90.15	1,538.46	-275.86	5,453.07	5,094.68	358.39	15.215		
12,700.00	6,972.24	6,878.24	6,878.24	162.31	238.40	90.15	1,538.46	-275.86	5,525.05	5,166.06	358.99	15.391		
12,800.00	6,972.49	6,878.49	6,878.49	165.09	238.41	90.16	1,538.46	-275.86	5,597.89	5,238.33	359.55	15.569		
12,900.00	6,972.74	6,878.74	6,878.74	167.86	238.41	90.16	1,538.46	-275.86	5,671.55	5,311.47	360.09	15.750		
13,002.01	6,973.00	6,879.00	6,879.00	170.70	238.42	90.16	1,538.46	-275.86	5,747.52	5,386.92	360.60	15.939		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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	-125.81	-2,205.32	-3,057.14	3,769.58					
100.00	100.00	77.76	77.76	3.28	3.28	-125.81	-2,205.44	-3,057.15	3,769.65	3,763.08	6.57	573.858		
200.00	200.00	218.37	218.37	3.34	3.36	-125.82	-2,205.65	-3,056.46	3,769.33	3,762.64	6.70	562.905		
300.00	300.00	302.84	302.83	3.44	3.45	-125.81	-2,205.24	-3,056.07	3,768.68	3,761.78	6.90	546.275		
400.00	399.98	381.87	381.87	3.60	3.57	84.82	-2,204.89	-3,056.16	3,768.35	3,761.18	7.17	525.591		
500.00	499.84	519.36	519.36	3.79	3.85	84.95	-2,204.40	-3,055.77	3,767.43	3,759.80	7.63	493.667		
600.00	599.45	588.59	588.58	4.02	4.01	85.07	-2,204.10	-3,055.57	3,766.18	3,758.15	8.03	469.291		
700.00	698.70	722.14	722.13	4.29	4.36	85.35	-2,203.33	-3,055.11	3,764.50	3,755.85	8.65	435.211		
800.00	797.47	800.00	799.98	4.60	4.59	85.58	-2,202.72	-3,054.95	3,762.61	3,753.42	9.18	409.762		
900.00	895.62	912.83	912.81	4.94	4.94	85.95	-2,202.31	-3,054.51	3,760.65	3,750.77	9.87	380.897		
1,000.00	993.06	1,001.04	1,001.01	5.31	5.23	86.29	-2,202.23	-3,053.87	3,758.41	3,747.87	10.54	356.741		
1,100.00	1,089.64	1,091.67	1,091.65	5.72	5.53	86.69	-2,202.19	-3,053.34	3,756.24	3,744.99	11.25	333.862		
1,200.00	1,185.27	1,181.38	1,181.36	6.17	5.84	87.13	-2,202.19	-3,052.97	3,754.23	3,742.22	12.01	312.650		
1,300.00	1,279.82	1,270.07	1,270.04	6.65	6.16	87.60	-2,202.22	-3,052.74	3,752.45	3,739.64	12.81	293.036		
1,400.00	1,373.17	1,357.61	1,357.58	7.17	6.48	88.11	-2,202.29	-3,052.66	3,750.97	3,737.33	13.64	274.917		
1,479.95	1,446.87	1,426.70	1,426.67	7.61	6.74	88.53	-2,202.37	-3,052.69	3,750.08	3,735.73	14.34	261.450		
1,500.00	1,465.24	1,443.92	1,443.89	7.72	6.80	88.64	-2,202.40	-3,052.72	3,749.90	3,735.38	14.52	258.222		
1,600.00	1,556.88	1,536.32	1,536.30	8.31	7.15	89.20	-2,202.48	-3,052.93	3,749.33	3,733.87	15.46	242.554		
1,700.00	1,648.52	1,645.60	1,645.57	8.92	7.57	89.88	-2,201.78	-3,053.32	3,748.95	3,732.47	16.48	227.467		
1,800.00	1,740.15	1,749.43	1,749.40	9.54	7.97	90.53	-2,200.96	-3,053.16	3,748.53	3,731.03	17.50	214.153		
1,866.19	1,800.81	1,810.55	1,810.52	9.95	8.21	90.90	-2,200.62	-3,052.91	3,748.44	3,730.28	18.16	206.406		
1,900.00	1,831.79	1,840.78	1,840.74	10.17	8.33	91.09	-2,200.45	-3,052.80	3,748.47	3,729.98	18.49	202.691		
2,000.00	1,923.43	1,931.07	1,931.04	10.81	8.69	91.65	-2,199.82	-3,052.54	3,748.87	3,729.38	19.49	192.332		
2,100.00	2,015.06	2,020.66	2,020.62	11.46	9.04	92.20	-2,199.13	-3,052.34	3,749.73	3,729.23	20.50	182.939		
2,200.00	2,106.70	2,106.89	2,106.85	12.11	9.39	92.73	-2,198.78	-3,052.09	3,751.12	3,729.62	21.50	174.490		
2,300.00	2,198.34	2,194.81	2,194.76	12.78	9.74	93.28	-2,198.06	-3,052.14	3,753.05	3,730.54	22.51	166.714		
2,400.00	2,289.98	2,316.34	2,316.27	13.44	10.23	94.05	-2,195.96	-3,052.32	3,755.14	3,731.47	23.67	158.644		
2,500.00	2,381.61	2,436.01	2,435.91	14.11	10.72	94.81	-2,193.11	-3,051.68	3,756.83	3,732.01	24.83	151.320		
2,600.00	2,473.25	2,524.66	2,524.54	14.79	11.08	95.36	-2,191.22	-3,050.75	3,758.69	3,732.83	25.86	145.338		
2,700.00	2,564.89	2,595.15	2,595.00	15.47	11.37	95.81	-2,189.59	-3,050.38	3,761.35	3,734.53	26.82	140.220		
2,800.00	2,656.52	2,680.93	2,680.76	16.15	11.72	96.36	-2,187.56	-3,050.28	3,764.80	3,736.95	27.85	135.168		
2,900.00	2,748.16	2,780.47	2,780.28	16.83	12.13	96.98	-2,185.48	-3,050.00	3,768.68	3,739.74	28.94	130.222		
3,000.00	2,839.80	2,859.56	2,859.35	17.52	12.46	97.48	-2,183.89	-3,049.71	3,772.97	3,743.03	29.94	126.002		
3,100.00	2,931.43	2,948.02	2,947.80	18.20	12.83	98.03	-2,182.50	-3,049.58	3,778.03	3,747.05	30.99	121.923		
3,200.00	3,023.07	3,032.48	3,032.26	18.89	13.18	98.54	-2,181.96	-3,049.01	3,783.42	3,751.40	32.01	118.181		
3,300.00	3,114.71	3,100.00	3,099.78	19.58	13.45	98.95	-2,181.94	-3,048.87	3,789.78	3,756.82	32.97	114.958		
3,400.00	3,206.35	3,177.27	3,177.05	20.27	13.77	99.41	-2,181.90	-3,049.13	3,797.03	3,763.07	33.96	111.810		
3,500.00	3,297.98	3,247.89	3,247.66	20.97	14.07	99.84	-2,181.82	-3,049.63	3,805.01	3,770.09	34.92	108.957		
3,600.00	3,389.62	3,327.38	3,327.14	21.66	14.40	100.30	-2,182.71	-3,050.39	3,813.96	3,778.04	35.92	106.171		
3,700.00	3,481.26	3,426.90	3,426.66	22.36	14.81	100.88	-2,183.68	-3,051.08	3,823.04	3,786.03	37.01	103.286		
3,800.00	3,572.89	3,489.44	3,489.19	23.05	15.07	101.25	-2,184.31	-3,051.82	3,832.95	3,795.02	37.93	101.041		
3,900.00	3,664.53	3,628.03	3,627.76	23.75	15.65	102.04	-2,186.10	-3,053.07	3,843.10	3,803.90	39.21	98.024		
4,000.00	3,756.17	3,729.07	3,728.80	24.45	16.07	102.63	-2,186.29	-3,053.40	3,852.81	3,812.50	40.30	95.596		
4,100.00	3,847.80	3,810.10	3,809.83	25.14	16.41	103.11	-2,186.43	-3,053.80	3,863.04	3,821.73	41.31	93.520		
4,200.00	3,939.44	3,911.97	3,911.70	25.84	16.84	103.69	-2,186.79	-3,054.21	3,873.64	3,831.23	42.41	91.345		
4,300.00	4,031.08	4,013.92	4,013.65	26.54	17.26	104.28	-2,187.10	-3,054.36	3,884.38	3,840.87	43.51	89.284		
4,400.00	4,122.72	4,115.95	4,115.68	27.24	17.69	104.86	-2,187.37	-3,054.24	3,895.25	3,850.65	44.60	87.329		
4,500.00	4,214.35	4,218.07	4,217.79	27.94	18.12	105.44	-2,187.59	-3,053.85	3,906.26	3,860.56	45.70	85.474		
4,600.00	4,305.99	4,320.26	4,319.98	28.64	18.55	106.02	-2,187.76	-3,053.20	3,917.39	3,870.60	46.80	83.709		
4,700.00	4,397.63	4,422.53	4,422.25	29.35	18.98	106.59	-2,187.88	-3,052.28	3,928.65	3,880.76	47.89	82.030		
4,800.00	4,489.26	4,481.50	4,481.21	30.05	19.23	106.92	-2,187.87	-3,052.06	3,940.65	3,891.87	48.78	80.780		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,580.90	4,594.26	4,593.98	30.75	19.70	107.55	-2,187.71	-3,051.76	3,953.19	3,903.26	49.92	79.184		
5,000.00	4,672.54	4,650.24	4,649.96	31.45	19.94	107.86	-2,187.63	-3,051.60	3,966.07	3,915.28	50.79	78.085		
5,100.00	4,764.17	4,706.62	4,706.33	32.16	20.17	108.18	-2,187.69	-3,052.02	3,980.21	3,928.56	51.65	77.057		
5,200.00	4,855.81	4,820.14	4,819.85	32.86	20.65	108.81	-2,187.34	-3,052.89	3,994.68	3,941.88	52.79	75.664		
5,300.00	4,947.45	4,890.46	4,890.16	33.56	20.95	109.21	-2,186.65	-3,053.59	4,009.63	3,955.92	53.72	74.642		
5,400.00	5,039.08	5,020.50	5,020.19	34.27	21.50	109.93	-2,185.55	-3,054.40	4,024.60	3,969.66	54.94	73.256		
5,500.00	5,130.72	5,082.57	5,082.26	34.97	21.76	110.27	-2,185.34	-3,054.74	4,039.96	3,984.15	55.82	72.380		
5,600.00	5,222.36	5,600.00	5,188.86	35.68	23.95	110.84	-2,185.15	-3,055.37	4,055.72	3,997.07	58.65	69.148		
5,700.00	5,314.00	5,271.70	5,271.39	36.38	22.56	111.29	-2,184.93	-3,055.67	4,071.64	4,013.75	57.89	70.333		
5,800.00	5,405.63	5,396.97	5,396.66	37.08	23.09	111.96	-2,184.07	-3,056.46	4,088.16	4,029.08	59.08	69.195		
5,900.00	5,497.27	5,464.96	5,464.64	37.79	23.38	112.33	-2,183.36	-3,056.63	4,104.57	4,044.59	59.98	68.436		
6,000.00	5,588.91	5,542.99	5,542.66	38.50	23.71	112.75	-2,182.30	-3,057.30	4,121.81	4,060.90	60.92	67.660		
6,100.00	5,680.54	5,631.11	5,630.77	39.20	24.08	113.23	-2,180.98	-3,058.13	4,139.48	4,077.57	61.91	66.862		
6,200.00	5,772.18	5,717.46	5,717.11	39.91	24.45	113.69	-2,180.17	-3,059.05	4,157.64	4,094.75	62.89	66.109		
6,300.00	5,863.82	5,833.27	5,832.91	40.61	24.94	114.30	-2,178.68	-3,060.05	4,175.94	4,111.91	64.02	65.225		
6,400.00	5,955.45	5,939.97	5,939.60	41.32	25.39	114.85	-2,177.62	-3,060.16	4,193.85	4,128.74	65.11	64.415		
6,500.00	6,047.09	6,022.57	6,022.19	42.02	25.74	115.28	-2,176.64	-3,060.43	4,212.30	4,146.24	66.06	63.765		
6,600.00	6,138.73	6,144.47	6,144.09	42.73	26.26	115.90	-2,176.19	-3,060.29	4,230.69	4,163.47	67.22	62.937		
6,700.00	6,230.37	6,228.64	6,228.26	43.44	26.62	116.32	-2,175.72	-3,059.86	4,249.04	4,180.86	68.18	62.322		
6,712.03	6,241.39	6,235.56	6,235.17	43.52	26.65	116.35	-2,175.68	-3,059.84	4,251.30	4,183.02	68.28	62.266		
6,750.00	6,276.38	6,257.49	6,257.10	43.78	26.74	109.14	-2,175.55	-3,059.84	4,257.41	4,188.83	68.58	62.081		
6,800.00	6,322.91	6,286.64	6,286.25	44.09	26.86	98.30	-2,175.40	-3,059.94	4,262.27	4,193.32	68.96	61.811		
6,850.00	6,369.70	6,342.32	6,341.93	44.36	27.10	86.70	-2,175.11	-3,060.25	4,263.41	4,193.95	69.45	61.387		
6,900.00	6,416.45	6,419.86	6,419.47	44.59	27.43	75.32	-2,174.47	-3,060.24	4,260.40	4,190.37	70.03	60.836		
6,950.00	6,462.87	6,445.75	6,445.36	44.79	27.54	64.77	-2,174.35	-3,060.27	4,253.59	4,183.29	70.30	60.510		
7,000.00	6,508.69	6,481.78	6,481.39	44.95	27.69	55.87	-2,174.26	-3,060.35	4,243.07	4,172.49	70.58	60.119		
7,050.00	6,553.61	6,530.23	6,529.84	45.09	27.90	48.69	-2,174.30	-3,060.51	4,228.88	4,157.99	70.89	59.651		
7,100.00	6,597.37	6,590.60	6,590.21	45.20	28.16	43.05	-2,174.20	-3,060.54	4,210.90	4,139.66	71.24	59.105		
7,150.00	6,639.68	6,629.47	6,629.07	45.30	28.32	38.50	-2,174.12	-3,060.47	4,189.30	4,117.85	71.45	58.631		
7,200.00	6,680.29	6,743.92	6,655.69	45.39	28.81	34.84	-2,174.04	-3,060.42	4,164.31	4,092.37	71.94	57.885		
7,250.00	6,718.96	6,705.07	6,694.54	45.48	28.64	32.00	-2,174.35	-3,060.52	4,136.18	4,064.40	71.78	57.625		
7,300.00	6,755.43	6,731.59	6,731.19	45.57	28.75	29.75	-2,174.63	-3,060.61	4,104.94	4,033.07	71.87	57.113		
7,350.00	6,789.49	6,765.83	6,765.44	45.67	28.90	27.98	-2,174.90	-3,060.70	4,070.78	3,998.79	71.99	56.546		
7,400.00	6,820.93	6,797.45	6,797.06	45.77	29.03	26.60	-2,175.14	-3,060.78	4,033.89	3,961.81	72.08	55.961		
7,450.00	6,849.55	6,826.25	6,825.86	45.89	29.15	25.55	-2,175.37	-3,060.86	3,994.50	3,922.34	72.16	55.357		
7,500.00	6,875.17	6,852.05	6,851.66	46.02	29.26	24.82	-2,175.57	-3,060.92	3,952.84	3,880.63	72.22	54.735		
7,550.00	6,897.64	6,874.70	6,874.30	46.17	29.36	24.37	-2,175.75	-3,060.98	3,909.17	3,836.91	72.26	54.098		
7,600.00	6,916.82	6,894.05	6,893.65	46.35	29.44	24.25	-2,175.90	-3,061.03	3,863.74	3,791.44	72.29	53.446		
7,650.00	6,932.60	6,909.99	6,909.59	46.55	29.51	24.53	-2,176.02	-3,061.07	3,816.82	3,744.51	72.31	52.782		
7,700.00	6,944.86	6,922.41	6,922.01	46.78	29.56	25.43	-2,176.12	-3,061.10	3,768.71	3,696.38	72.32	52.108		
7,750.00	6,953.55	6,931.24	6,930.84	47.04	29.60	27.67	-2,176.19	-3,061.12	3,719.69	3,647.36	72.33	51.427		
7,800.00	6,958.59	6,936.43	6,936.03	47.33	29.62	34.66	-2,176.23	-3,061.14	3,670.06	3,597.73	72.33	50.741		
7,842.10	6,960.00	6,937.95	6,937.55	47.60	29.63	78.21	-2,176.24	-3,061.14	3,628.02	3,555.69	72.33	50.162		
7,900.00	6,960.15	6,938.24	6,937.84	48.01	29.63	78.40	-2,176.24	-3,061.14	3,570.13	3,497.81	72.32	49.367		
8,000.00	6,960.40	6,938.74	6,938.34	48.86	29.63	78.73	-2,176.25	-3,061.14	3,470.16	3,397.86	72.31	47.993		
8,100.00	6,960.65	6,939.25	6,938.85	49.87	29.63	79.06	-2,176.25	-3,061.14	3,370.19	3,297.90	72.29	46.618		
8,200.00	6,960.91	6,939.75	6,939.35	51.06	29.63	79.39	-2,176.25	-3,061.14	3,270.23	3,197.94	72.28	45.243		
8,300.00	6,961.16	6,940.25	6,939.85	52.41	29.64	79.72	-2,176.26	-3,061.15	3,170.26	3,097.99	72.27	43.867		
8,400.00	6,961.41	6,940.76	6,940.36	53.93	29.64	80.05	-2,176.26	-3,061.15	3,070.30	2,998.04	72.26	42.491		
8,500.00	6,961.66	6,941.26	6,940.86	55.59	29.64	80.38	-2,176.27	-3,061.15	2,970.34	2,898.09	72.25	41.114		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - Jeff #1 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,941.76	6,941.36	57.37	29.64	80.71	-2,176.27	-3,061.15	2,870.38	2,798.15	72.24	39.737		
8,700.00	6,962.16	6,942.27	6,941.87	59.27	29.65	81.05	-2,176.27	-3,061.15	2,770.43	2,698.20	72.22	38.359		
8,800.00	6,962.42	6,942.77	6,942.37	61.26	29.65	81.38	-2,176.28	-3,061.15	2,670.48	2,598.27	72.21	36.981		
8,900.00	6,962.67	6,943.27	6,942.87	63.34	29.65	81.72	-2,176.28	-3,061.15	2,570.53	2,498.33	72.20	35.603		
9,000.00	6,962.92	6,943.77	6,943.38	65.49	29.65	82.05	-2,176.29	-3,061.15	2,470.59	2,398.40	72.19	34.225		
9,100.00	6,963.17	6,944.28	6,943.88	67.70	29.65	82.39	-2,176.29	-3,061.16	2,370.65	2,298.47	72.18	32.846		
9,200.00	6,963.42	6,944.78	6,944.38	69.97	29.66	82.72	-2,176.29	-3,061.16	2,270.72	2,198.55	72.16	31.467		
9,300.00	6,963.68	6,945.28	6,944.88	72.28	29.66	83.06	-2,176.30	-3,061.16	2,170.79	2,098.64	72.15	30.087		
9,400.00	6,963.93	6,945.79	6,945.39	74.64	29.66	83.40	-2,176.30	-3,061.16	2,070.87	1,998.73	72.14	28.708		
9,500.00	6,964.18	6,946.29	6,945.89	77.04	29.66	83.73	-2,176.31	-3,061.16	1,970.96	1,898.84	72.12	27.328		
9,600.00	6,964.43	6,946.79	6,946.39	79.48	29.66	84.07	-2,176.31	-3,061.16	1,871.05	1,798.95	72.11	25.948		
9,700.00	6,964.68	6,947.30	6,946.90	81.94	29.67	84.41	-2,176.31	-3,061.16	1,771.16	1,699.07	72.09	24.568		
9,800.00	6,964.94	6,947.80	6,947.40	84.43	29.67	84.75	-2,176.32	-3,061.16	1,671.28	1,599.20	72.08	23.187		
9,900.00	6,965.19	6,948.30	6,947.90	86.95	29.67	85.09	-2,176.32	-3,061.17	1,571.42	1,499.35	72.07	21.806		
10,000.00	6,965.44	6,948.81	6,948.41	89.49	29.67	85.43	-2,176.33	-3,061.17	1,471.57	1,399.52	72.05	20.424		
10,100.00	6,965.69	6,949.31	6,948.91	92.05	29.68	85.77	-2,176.33	-3,061.17	1,371.75	1,299.71	72.04	19.041		
10,200.00	6,965.94	6,949.81	6,949.41	94.63	29.68	86.11	-2,176.33	-3,061.17	1,271.96	1,199.92	72.03	17.658		
10,300.00	6,966.19	6,950.31	6,949.91	97.22	29.68	86.45	-2,176.34	-3,061.17	1,172.19	1,100.16	72.03	16.273		
10,400.00	6,966.45	6,950.82	6,950.42	99.83	29.68	86.79	-2,176.34	-3,061.17	1,072.48	1,000.43	72.04	14.886		
10,500.00	6,966.70	6,951.32	6,950.92	102.46	29.68	87.13	-2,176.34	-3,061.17	972.82	900.74	72.07	13.497		
10,600.00	6,966.95	6,951.82	6,951.42	105.09	29.69	87.47	-2,176.35	-3,061.17	873.24	801.10	72.14	12.105		
10,700.00	6,967.20	6,952.33	6,951.93	107.74	29.69	87.81	-2,176.35	-3,061.18	773.76	701.50	72.26	10.708		
10,800.00	6,967.45	6,952.83	6,952.43	110.41	29.69	88.16	-2,176.36	-3,061.18	674.45	601.95	72.49	9.303		
10,900.00	6,967.71	6,953.33	6,952.93	113.08	29.69	88.50	-2,176.36	-3,061.18	575.36	502.43	72.94	7.888		
11,000.00	6,967.96	6,953.84	6,953.44	115.76	29.69	88.84	-2,176.36	-3,061.18	476.67	402.85	73.81	6.458		
11,100.00	6,968.21	6,954.34	6,953.94	118.45	29.70	89.18	-2,176.37	-3,061.18	378.65	302.98	75.67	5.004		
11,200.00	6,968.46	6,954.84	6,954.44	121.15	29.70	89.53	-2,176.37	-3,061.18	282.03	201.99	80.04	3.524		
11,300.00	6,968.71	6,955.35	6,954.95	123.85	29.70	89.87	-2,176.38	-3,061.18	188.96	97.12	91.84	2.058		
11,400.00	6,968.97	6,955.85	6,955.45	126.56	29.70	90.21	-2,176.38	-3,061.18	108.94	-17.96	126.90	0.859 Level 1		
11,469.19	6,969.14	6,956.20	6,955.80	128.45	29.70	90.45	-2,176.38	-3,061.19	84.15	-73.86	158.01	0.533 Level 1, CC, ES, SF		
11,500.00	6,969.22	6,956.35	6,955.95	129.28	29.71	90.55	-2,176.38	-3,061.19	89.62	-64.57	154.18	0.581 Level 1		
11,600.00	6,969.47	6,956.85	6,956.45	132.01	29.71	90.90	-2,176.39	-3,061.19	155.54	40.79	114.75	1.355 Level 3		
11,700.00	6,969.72	6,957.36	6,956.96	134.74	29.71	91.24	-2,176.39	-3,061.19	245.67	149.84	95.84	2.563		
11,800.00	6,969.97	6,957.86	6,957.46	137.48	29.71	91.58	-2,176.40	-3,061.19	341.35	253.68	87.67	3.894		
11,900.00	6,970.22	6,958.36	6,957.96	140.22	29.71	91.92	-2,176.40	-3,061.19	438.95	355.45	83.51	5.257		
12,000.00	6,970.48	6,958.87	6,958.47	142.97	29.72	92.26	-2,176.40	-3,061.19	537.44	456.34	81.10	6.627		
12,100.00	6,970.73	6,959.37	6,958.97	145.72	29.72	92.61	-2,176.41	-3,061.19	636.40	556.82	79.57	7.998		
12,200.00	6,970.98	6,959.87	6,959.47	148.47	29.72	92.95	-2,176.41	-3,061.19	735.63	657.09	78.54	9.366		
12,300.00	6,971.23	6,960.38	6,959.98	151.23	29.72	93.29	-2,176.42	-3,061.20	835.06	757.24	77.81	10.731		
12,400.00	6,971.48	6,960.88	6,960.48	154.00	29.72	93.63	-2,176.42	-3,061.20	934.60	857.32	77.28	12.094		
12,500.00	6,971.74	6,961.38	6,960.98	156.76	29.73	93.97	-2,176.42	-3,061.20	1,034.23	957.36	76.87	13.454		
12,600.00	6,971.99	6,961.89	6,961.49	159.53	29.73	94.31	-2,176.43	-3,061.20	1,133.93	1,057.37	76.56	14.811		
12,700.00	6,972.24	6,962.39	6,961.99	162.31	29.73	94.66	-2,176.43	-3,061.20	1,233.67	1,157.36	76.32	16.165		
12,800.00	6,972.49	6,962.89	6,962.49	165.09	29.73	95.00	-2,176.44	-3,061.20	1,333.46	1,257.34	76.12	17.518		
12,900.00	6,972.74	6,963.39	6,962.99	167.86	29.74	95.34	-2,176.44	-3,061.20	1,433.27	1,357.30	75.97	18.867		
13,002.01	6,973.00	6,963.91	6,963.51	170.70	29.74	95.68	-2,176.44	-3,061.21	1,535.12	1,459.28	75.84	20.242		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	5.47	5.47	3.28	3.28	-118.19	-908.88	-1,695.63	1,923.86					
100.00	100.00	114.90	114.90	3.28	3.29	-118.19	-908.58	-1,695.46	1,923.59	1,917.02	6.57	292.599		
200.00	200.00	214.01	214.01	3.34	3.35	-118.19	-908.50	-1,694.98	1,923.12	1,916.43	6.69	287.390		
300.00	300.00	310.84	310.83	3.44	3.47	-118.20	-908.65	-1,694.47	1,922.73	1,915.82	6.91	278.242		
378.38	378.37	385.60	385.59	3.56	3.58	92.42	-908.84	-1,694.19	1,922.61	1,915.47	7.14	269.241		
400.00	399.98	406.67	406.67	3.60	3.62	92.44	-908.90	-1,694.13	1,922.62	1,915.41	7.21	266.502		
500.00	499.84	509.02	509.02	3.79	3.82	92.59	-909.07	-1,693.86	1,922.70	1,915.09	7.61	252.672		
600.00	599.45	605.98	605.98	4.02	4.05	92.83	-909.07	-1,693.72	1,922.97	1,914.90	8.07	238.259		
700.00	698.70	693.44	693.43	4.29	4.28	93.14	-909.03	-1,693.98	1,923.86	1,915.29	8.57	224.442		
800.00	797.47	789.26	789.25	4.60	4.56	93.56	-909.18	-1,694.57	1,925.42	1,916.27	9.15	210.397		
900.00	895.62	893.60	893.59	4.94	4.87	94.11	-909.35	-1,695.13	1,927.28	1,917.46	9.81	196.430		
1,000.00	993.06	991.85	991.84	5.31	5.19	94.74	-909.18	-1,695.58	1,929.40	1,918.90	10.50	183.674		
1,100.00	1,089.64	1,094.30	1,094.29	5.72	5.54	95.47	-909.12	-1,695.81	1,931.97	1,920.71	11.26	171.585		
1,200.00	1,185.27	1,184.05	1,184.04	6.17	5.85	96.17	-909.40	-1,695.84	1,935.24	1,923.22	12.02	161.045		
1,300.00	1,279.82	1,267.11	1,267.09	6.65	6.15	96.87	-909.90	-1,696.15	1,939.78	1,926.98	12.79	151.626		
1,400.00	1,373.17	1,357.93	1,357.91	7.17	6.48	97.71	-910.18	-1,697.11	1,945.79	1,932.15	13.64	142.638		
1,479.95	1,446.87	1,439.53	1,439.51	7.61	6.79	98.51	-910.81	-1,697.64	1,951.29	1,936.90	14.39	135.644		
1,500.00	1,465.24	1,461.07	1,461.04	7.72	6.87	98.76	-910.97	-1,697.70	1,952.72	1,938.14	14.58	133.934		
1,600.00	1,556.88	1,566.37	1,566.34	8.31	7.26	99.96	-911.61	-1,697.58	1,959.92	1,944.36	15.56	125.956		
1,700.00	1,648.52	1,666.55	1,666.52	8.92	7.65	101.10	-912.03	-1,696.93	1,967.37	1,950.83	16.54	118.932		
1,800.00	1,740.15	1,746.20	1,746.17	9.54	7.96	102.00	-912.15	-1,696.44	1,975.55	1,958.10	17.46	113.166		
1,900.00	1,831.79	1,822.20	1,822.16	10.17	8.26	102.87	-912.19	-1,696.81	1,985.40	1,967.04	18.37	108.097		
2,000.00	1,923.43	1,918.72	1,918.68	10.81	8.64	103.95	-912.62	-1,697.29	1,996.13	1,976.76	19.37	103.050		
2,100.00	2,015.06	2,013.44	2,013.40	11.46	9.01	105.00	-913.12	-1,697.59	2,007.45	1,987.08	20.37	98.529		
2,200.00	2,106.70	2,115.48	2,115.44	12.11	9.42	106.11	-913.66	-1,697.53	2,019.17	1,997.75	21.42	94.287		
2,300.00	2,198.34	2,197.60	2,197.56	12.78	9.75	107.01	-913.82	-1,697.61	2,031.64	2,009.27	22.37	90.809		
2,400.00	2,289.98	2,285.27	2,285.23	13.44	10.10	107.95	-913.95	-1,697.92	2,045.07	2,021.71	23.36	87.559		
2,500.00	2,381.61	2,382.04	2,381.99	14.11	10.50	108.98	-914.39	-1,698.22	2,059.18	2,034.80	24.38	84.453		
2,600.00	2,473.25	2,476.03	2,475.99	14.79	10.88	109.96	-914.86	-1,698.28	2,073.75	2,048.36	25.40	81.655		
2,700.00	2,564.89	2,569.43	2,569.39	15.47	11.26	110.93	-915.30	-1,698.28	2,088.91	2,062.50	26.41	79.102		
2,800.00	2,656.52	2,664.26	2,664.21	16.15	11.65	111.90	-915.64	-1,698.20	2,104.62	2,077.19	27.42	76.741		
2,900.00	2,748.16	2,755.02	2,754.98	16.83	12.02	112.81	-916.02	-1,698.02	2,120.85	2,092.43	28.42	74.622		
3,000.00	2,839.80	2,852.07	2,852.02	17.52	12.42	113.77	-916.73	-1,697.84	2,137.75	2,108.30	29.45	72.597		
3,100.00	2,931.43	2,945.24	2,945.19	18.20	12.81	114.67	-917.27	-1,697.32	2,154.87	2,124.42	30.45	70.764		
3,200.00	3,023.07	3,031.77	3,031.72	18.89	13.17	115.51	-917.60	-1,697.12	2,172.84	2,141.42	31.42	69.154		
3,300.00	3,114.71	3,123.22	3,123.17	19.58	13.55	116.38	-917.86	-1,696.90	2,191.39	2,158.98	32.41	67.613		
3,400.00	3,206.35	3,204.94	3,204.88	20.27	13.89	117.15	-918.14	-1,696.95	2,210.76	2,177.42	33.35	66.294		
3,500.00	3,297.98	3,288.67	3,288.61	20.97	14.24	117.93	-918.38	-1,697.33	2,231.05	2,196.76	34.29	65.063		
3,600.00	3,389.62	3,387.18	3,387.12	21.66	14.65	118.82	-918.76	-1,697.86	2,251.94	2,216.63	35.31	63.778		
3,700.00	3,481.26	3,476.23	3,476.18	22.36	15.02	119.62	-919.22	-1,698.18	2,273.17	2,236.89	36.27	62.667		
3,800.00	3,572.89	3,561.61	3,561.55	23.05	15.38	120.37	-919.48	-1,698.67	2,295.10	2,257.89	37.21	61.672		
3,900.00	3,664.53	3,658.93	3,658.86	23.75	15.78	121.21	-920.14	-1,699.38	2,317.65	2,279.43	38.22	60.642		
4,000.00	3,756.17	3,756.98	3,756.91	24.45	16.19	122.03	-921.23	-1,699.69	2,340.23	2,301.01	39.22	59.663		
4,100.00	3,847.80	3,844.16	3,844.08	25.14	16.56	122.74	-922.23	-1,699.96	2,363.26	2,323.09	40.17	58.837		
4,200.00	3,939.44	3,925.87	3,925.78	25.84	16.90	123.40	-923.07	-1,700.49	2,387.03	2,345.95	41.07	58.118		
4,300.00	4,031.08	4,005.53	4,005.44	26.54	17.24	124.04	-923.58	-1,701.37	2,411.67	2,369.71	41.96	57.474		
4,400.00	4,122.72	4,095.98	4,095.88	27.24	17.62	124.76	-923.95	-1,702.59	2,436.95	2,394.04	42.91	56.794		
4,500.00	4,214.35	4,183.90	4,183.79	27.94	17.99	125.45	-924.20	-1,703.83	2,462.73	2,418.89	43.84	56.178		
4,600.00	4,305.99	4,282.21	4,282.09	28.64	18.40	126.22	-923.87	-1,705.11	2,488.87	2,444.04	44.83	55.523		
4,700.00	4,397.63	4,394.68	4,394.55	29.35	18.87	127.10	-922.56	-1,705.80	2,514.90	2,469.01	45.90	54.796		
4,800.00	4,489.26	4,500.21	4,500.08	30.05	19.31	127.91	-921.37	-1,705.64	2,540.65	2,493.73	46.92	54.149		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	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		
4,900.00	4,580.90	4,593.44	4,593.30	30.75	19.70	128.61	-920.67	-1,705.27	2,566.50	2,518.63	47.87	53.616		
5,000.00	4,672.54	4,674.27	4,674.13	31.45	20.04	129.20	-920.24	-1,705.11	2,592.86	2,544.13	48.74	53.199		
5,100.00	4,764.17	4,781.06	4,780.91	32.16	20.49	129.98	-919.17	-1,704.88	2,619.68	2,569.91	49.77	52.641		
5,200.00	4,855.81	4,869.57	4,869.42	32.86	20.86	130.60	-918.48	-1,704.30	2,646.39	2,595.71	50.68	52.221		
5,300.00	4,947.45	4,969.04	4,968.89	33.56	21.28	131.28	-918.23	-1,703.87	2,673.54	2,621.89	51.66	51.757		
5,400.00	5,039.08	5,052.30	5,052.14	34.27	21.63	131.85	-917.89	-1,703.27	2,700.80	2,648.27	52.53	51.414		
5,500.00	5,130.72	5,129.49	5,129.34	34.97	21.96	132.36	-917.40	-1,703.17	2,728.92	2,675.56	53.36	51.140		
5,600.00	5,222.36	5,215.53	5,215.37	35.68	22.32	132.92	-916.79	-1,703.31	2,757.64	2,703.40	54.25	50.836		
5,700.00	5,314.00	5,303.71	5,303.54	36.38	22.69	133.49	-916.13	-1,703.59	2,786.80	2,731.65	55.14	50.538		
5,800.00	5,405.63	5,395.79	5,395.63	37.08	23.08	134.07	-915.49	-1,703.93	2,816.28	2,760.21	56.06	50.234		
5,900.00	5,497.27	5,483.43	5,483.26	37.79	23.45	134.61	-915.00	-1,704.33	2,846.08	2,789.12	56.95	49.974		
6,000.00	5,588.91	5,582.09	5,581.92	38.50	23.87	135.21	-914.55	-1,704.79	2,876.12	2,818.21	57.91	49.662		
6,100.00	5,680.54	5,667.70	5,667.53	39.20	24.23	135.71	-914.17	-1,705.09	2,906.32	2,847.54	58.79	49.440		
6,200.00	5,772.18	5,758.86	5,758.68	39.91	24.62	136.24	-913.76	-1,705.61	2,936.97	2,877.27	59.69	49.201		
6,300.00	5,863.82	5,855.03	5,854.86	40.61	25.02	136.79	-913.21	-1,705.98	2,967.72	2,907.09	60.63	48.945		
6,400.00	5,955.45	5,943.96	5,943.78	41.32	25.40	137.28	-912.85	-1,706.29	2,998.63	2,937.11	61.52	48.740		
6,500.00	6,047.09	6,046.64	6,046.46	42.02	25.84	137.84	-912.65	-1,706.84	3,029.88	2,967.37	62.51	48.471		
6,600.00	6,138.73	6,146.16	6,145.98	42.73	26.26	138.37	-912.53	-1,706.59	3,060.61	2,997.14	63.47	48.221		
6,700.00	6,230.37	6,223.69	6,223.51	43.44	26.59	138.77	-912.63	-1,706.80	3,091.94	3,027.66	64.28	48.103		
6,712.03	6,241.39	6,234.47	6,234.29	43.52	26.63	138.82	-912.68	-1,706.86	3,095.74	3,031.36	64.38	48.082		
6,750.00	6,276.38	6,268.73	6,268.55	43.78	26.78	131.30	-912.88	-1,707.09	3,106.75	3,042.03	64.72	48.003		
6,800.00	6,322.91	6,311.09	6,310.91	44.09	26.96	120.17	-913.26	-1,707.44	3,118.18	3,053.05	65.13	47.877		
6,850.00	6,369.70	6,346.46	6,346.27	44.36	27.11	108.25	-913.58	-1,707.84	3,126.19	3,060.73	65.47	47.753		
6,900.00	6,416.45	6,381.82	6,381.62	44.59	27.26	96.58	-913.86	-1,708.36	3,130.80	3,065.02	65.77	47.600		
6,950.00	6,462.87	6,417.67	6,417.47	44.79	27.41	86.12	-914.08	-1,709.01	3,131.98	3,065.93	66.05	47.418		
7,000.00	6,508.69	6,453.76	6,453.56	44.95	27.56	77.40	-914.12	-1,709.72	3,129.73	3,063.44	66.29	47.210		
7,050.00	6,553.61	6,489.09	6,488.87	45.09	27.71	70.46	-913.97	-1,710.45	3,124.09	3,057.60	66.49	46.984		
7,100.00	6,597.37	6,525.13	6,524.90	45.20	27.87	65.14	-913.64	-1,711.23	3,115.10	3,048.44	66.66	46.729		
7,150.00	6,639.68	6,560.75	6,560.51	45.30	28.02	61.15	-913.19	-1,712.05	3,102.80	3,036.00	66.80	46.450		
7,200.00	6,680.29	6,594.99	6,594.73	45.39	28.16	58.27	-912.67	-1,712.87	3,087.28	3,020.38	66.90	46.150		
7,250.00	6,718.96	6,664.73	6,664.45	45.48	28.46	56.72	-911.35	-1,714.18	3,068.44	3,001.19	67.25	45.627		
7,300.00	6,755.43	6,719.45	6,719.16	45.57	28.69	55.88	-910.16	-1,714.57	3,046.18	2,978.71	67.47	45.149		
7,350.00	6,789.49	6,755.72	6,755.42	45.67	28.85	55.55	-909.48	-1,714.78	3,020.97	2,953.43	67.54	44.729		
7,400.00	6,820.93	6,789.40	6,789.09	45.77	28.99	55.86	-908.98	-1,715.01	2,993.04	2,925.45	67.59	44.283		
7,450.00	6,849.55	6,817.90	6,817.59	45.89	29.11	56.77	-908.63	-1,715.23	2,962.58	2,894.97	67.60	43.825		
7,500.00	6,875.17	6,842.36	6,842.05	46.02	29.22	58.28	-908.30	-1,715.41	2,929.80	2,862.21	67.59	43.345		
7,550.00	6,897.64	6,863.85	6,863.54	46.17	29.31	60.43	-908.00	-1,715.57	2,894.92	2,827.34	67.58	42.838		
7,600.00	6,916.82	6,882.24	6,881.93	46.35	29.38	63.27	-907.72	-1,715.71	2,858.15	2,790.59	67.56	42.303		
7,650.00	6,932.60	6,897.43	6,897.11	46.55	29.45	66.84	-907.48	-1,715.83	2,819.71	2,752.16	67.56	41.740		
7,700.00	6,944.86	6,909.79	6,909.47	46.78	29.50	71.21	-907.28	-1,715.92	2,779.84	2,712.28	67.56	41.146		
7,750.00	6,953.55	6,918.71	6,918.39	47.04	29.54	76.41	-907.13	-1,715.98	2,738.75	2,671.18	67.58	40.528		
7,800.00	6,958.59	6,924.03	6,923.70	47.33	29.56	82.43	-907.03	-1,716.02	2,696.70	2,629.09	67.61	39.886		
7,842.10	6,960.00	6,925.69	6,925.37	47.60	29.57	88.09	-907.00	-1,716.03	2,660.73	2,593.08	67.65	39.331		
7,900.00	6,960.15	6,926.21	6,925.89	48.01	29.57	88.11	-906.99	-1,716.03	2,611.13	2,543.40	67.73	38.553		
8,000.00	6,960.40	6,927.11	6,926.79	48.86	29.58	88.15	-906.98	-1,716.04	2,526.29	2,458.34	67.95	37.179		
8,100.00	6,960.65	6,928.00	6,927.68	49.87	29.58	88.18	-906.96	-1,716.04	2,442.61	2,374.31	68.30	35.765		
8,200.00	6,960.91	6,928.89	6,928.57	51.06	29.58	88.22	-906.95	-1,716.05	2,360.19	2,291.40	68.79	34.309		
8,300.00	6,961.16	6,929.77	6,929.45	52.41	29.59	88.26	-906.93	-1,716.06	2,279.18	2,209.72	69.46	32.814		
8,400.00	6,961.41	6,930.64	6,930.32	53.93	29.59	88.30	-906.91	-1,716.06	2,199.74	2,129.42	70.32	31.283		
8,500.00	6,961.66	6,931.51	6,931.18	55.59	29.59	88.33	-906.90	-1,716.07	2,122.03	2,050.63	71.40	29.722		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,932.37	6,932.04	57.37	29.60	88.37	-906.88	-1,716.07	2,046.26	1,973.54	72.72	28.141		
8,700.00	6,962.16	6,933.22	6,932.90	59.27	29.60	88.40	-906.87	-1,716.08	1,972.65	1,898.35	74.30	26.550		
8,800.00	6,962.42	6,934.07	6,933.74	61.26	29.60	88.44	-906.85	-1,716.08	1,901.44	1,825.28	76.17	24.964		
8,900.00	6,962.67	6,934.91	6,934.58	63.34	29.61	88.48	-906.84	-1,716.09	1,832.94	1,754.60	78.33	23.399		
9,000.00	6,962.92	6,935.74	6,935.42	65.49	29.61	88.51	-906.82	-1,716.09	1,767.43	1,686.62	80.81	21.871		
9,100.00	6,963.17	6,936.57	6,936.25	67.70	29.62	88.55	-906.80	-1,716.10	1,705.28	1,621.68	83.60	20.399		
9,200.00	6,963.42	6,937.39	6,937.07	69.97	29.62	88.58	-906.79	-1,716.10	1,646.85	1,560.16	86.69	18.997		
9,300.00	6,963.68	6,938.21	6,937.89	72.28	29.62	88.61	-906.77	-1,716.11	1,592.57	1,502.50	90.07	17.682		
9,400.00	6,963.93	6,939.02	6,938.70	74.64	29.63	88.65	-906.76	-1,716.11	1,542.87	1,449.16	93.70	16.466		
9,500.00	6,964.18	6,939.83	6,939.50	77.04	29.63	88.68	-906.74	-1,716.12	1,498.19	1,400.65	97.55	15.358		
9,600.00	6,964.43	6,940.62	6,940.30	79.48	29.63	88.72	-906.73	-1,716.12	1,459.02	1,357.47	101.55	14.368		
9,700.00	6,964.68	6,941.42	6,941.09	81.94	29.64	88.75	-906.71	-1,716.13	1,425.79	1,320.17	105.62	13.499		
9,800.00	6,964.94	6,942.21	6,941.88	84.43	29.64	88.78	-906.70	-1,716.13	1,398.94	1,289.25	109.69	12.754		
9,900.00	6,965.19	6,942.99	6,942.66	86.95	29.64	88.82	-906.68	-1,716.14	1,378.83	1,265.18	113.65	12.132		
10,000.00	6,965.44	6,943.77	6,943.44	89.49	29.65	88.85	-906.67	-1,716.14	1,365.77	1,248.36	117.41	11.633		
10,100.00	6,965.69	6,944.54	6,944.21	92.05	29.65	88.88	-906.65	-1,716.15	1,359.95	1,239.07	120.88	11.251		
10,129.29	6,965.76	6,944.76	6,944.44	92.80	29.65	88.89	-906.65	-1,716.15	1,359.64	1,237.81	121.83	11.160 CC		
10,200.00	6,965.94	6,945.30	6,944.98	94.63	29.65	88.91	-906.64	-1,716.15	1,361.47	1,237.50	123.98	10.982 ES		
10,300.00	6,966.19	6,946.07	6,945.74	97.22	29.66	88.95	-906.62	-1,716.15	1,370.31	1,243.66	126.65	10.820		
10,400.00	6,966.45	6,946.82	6,946.50	99.83	29.66	88.98	-906.61	-1,716.16	1,386.32	1,257.47	128.86	10.758 SF		
10,500.00	6,966.70	6,947.57	6,947.25	102.46	29.66	89.01	-906.59	-1,716.16	1,409.27	1,278.67	130.60	10.791		
10,600.00	6,966.95	6,948.32	6,947.99	105.09	29.67	89.04	-906.58	-1,716.17	1,438.81	1,306.92	131.89	10.909		
10,700.00	6,967.20	6,949.06	6,948.73	107.74	29.67	89.07	-906.56	-1,716.17	1,474.55	1,341.80	132.75	11.108		
10,800.00	6,967.45	6,949.79	6,949.47	110.41	29.67	89.10	-906.55	-1,716.18	1,516.06	1,382.83	133.23	11.379		
10,900.00	6,967.71	6,950.52	6,950.20	113.08	29.67	89.13	-906.53	-1,716.18	1,562.87	1,429.49	133.38	11.717		
11,000.00	6,967.96	6,951.25	6,950.92	115.76	29.68	89.16	-906.52	-1,716.18	1,614.53	1,481.27	133.26	12.116		
11,100.00	6,968.21	6,951.97	6,951.64	118.45	29.68	89.19	-906.51	-1,716.19	1,670.58	1,537.67	132.91	12.569		
11,200.00	6,968.46	6,952.68	6,952.36	121.15	29.68	89.22	-906.49	-1,716.19	1,730.60	1,598.22	132.38	13.073		
11,300.00	6,968.71	6,953.39	6,953.07	123.85	29.69	89.25	-906.48	-1,716.20	1,794.18	1,662.47	131.72	13.622		
11,400.00	6,968.97	6,954.10	6,953.77	126.56	29.69	89.28	-906.46	-1,716.20	1,860.97	1,730.03	130.95	14.211		
11,500.00	6,969.22	6,954.80	6,954.47	129.28	29.69	89.31	-906.45	-1,716.20	1,930.64	1,800.53	130.11	14.839		
11,600.00	6,969.47	6,955.50	6,955.17	132.01	29.70	89.34	-906.44	-1,716.21	2,002.87	1,873.65	129.22	15.499		
11,700.00	6,969.72	6,956.19	6,955.86	134.74	29.70	89.37	-906.42	-1,716.21	2,077.40	1,949.10	128.31	16.191		
11,800.00	6,969.97	6,956.88	6,956.55	137.48	29.70	89.40	-906.41	-1,716.21	2,154.00	2,026.62	127.38	16.910		
11,900.00	6,970.22	6,957.56	6,957.23	140.22	29.70	89.43	-906.39	-1,716.22	2,232.45	2,106.00	126.45	17.655		
12,000.00	6,970.48	6,958.24	6,957.91	142.97	29.71	89.46	-906.38	-1,716.22	2,312.57	2,187.04	125.53	18.422		
12,100.00	6,970.73	6,958.91	6,958.59	145.72	29.71	89.49	-906.37	-1,716.23	2,394.18	2,269.55	124.63	19.211		
12,200.00	6,970.98	6,959.58	6,959.26	148.47	29.71	89.52	-906.35	-1,716.23	2,477.14	2,353.39	123.74	20.018		
12,300.00	6,971.23	6,960.25	6,959.92	151.23	29.72	89.54	-906.34	-1,716.23	2,561.31	2,438.43	122.88	20.843		
12,400.00	6,971.48	6,960.91	6,960.58	154.00	29.72	89.57	-906.33	-1,716.24	2,646.59	2,524.54	122.05	21.684		
12,500.00	6,971.74	6,961.57	6,961.24	156.76	29.72	89.60	-906.31	-1,716.24	2,732.87	2,611.62	121.25	22.540		
12,600.00	6,971.99	6,962.22	6,961.89	159.53	29.72	89.63	-906.30	-1,716.24	2,820.05	2,699.58	120.47	23.409		
12,700.00	6,972.24	6,962.87	6,962.54	162.31	29.73	89.65	-906.28	-1,716.25	2,908.06	2,788.33	119.72	24.290		
12,800.00	6,972.49	6,963.51	6,963.18	165.09	29.73	89.68	-906.27	-1,716.25	2,996.82	2,877.81	119.01	25.182		
12,900.00	6,972.74	6,964.15	6,963.82	167.86	29.73	89.71	-906.26	-1,716.25	3,086.26	2,967.95	118.32	26.085		
13,002.01	6,973.00	6,964.80	6,964.47	170.70	29.74	89.73	-906.24	-1,716.26	3,178.16	3,060.52	117.64	27.016		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-132.71	-679.79	-736.43	1,002.40					
100.00	100.00	81.00	81.00	3.28	3.57	-132.71	-679.79	-736.43	1,002.22	995.36	6.86	146.171		
200.00	200.00	181.00	181.00	3.34	5.63	-132.71	-679.79	-736.43	1,002.22	993.25	8.96	111.794		
300.00	300.00	281.00	281.00	3.44	8.71	-132.71	-679.79	-736.43	1,002.22	990.07	12.15	82.482		
400.00	399.98	380.98	380.98	3.60	12.01	77.99	-679.79	-736.43	1,001.85	986.24	15.61	64.193		
500.00	499.84	480.84	480.84	3.79	15.39	78.31	-679.79	-736.43	1,000.78	981.60	19.18	52.178		
600.00	599.45	580.45	580.45	4.02	18.81	78.83	-679.79	-736.43	999.04	976.22	22.82	43.771		
700.00	698.70	679.70	679.70	4.29	22.23	79.56	-679.79	-736.43	996.74	970.22	26.52	37.591		
800.00	797.47	778.47	778.47	4.60	25.64	80.49	-679.79	-736.43	994.00	963.76	30.24	32.874		
900.00	895.62	876.62	876.62	4.94	29.04	81.62	-679.79	-736.43	990.97	957.00	33.98	29.164		
1,000.00	993.06	974.06	974.06	5.31	32.43	82.94	-679.79	-736.43	987.87	950.14	37.74	26.179		
1,100.00	1,089.64	1,070.64	1,070.64	5.72	35.78	84.44	-679.79	-736.43	984.93	943.43	41.50	23.733		
1,200.00	1,185.27	1,166.27	1,166.27	6.17	39.11	86.11	-679.79	-736.43	982.41	937.14	45.27	21.701		
1,300.00	1,279.82	1,260.82	1,260.82	6.65	42.40	87.94	-679.79	-736.43	980.63	931.59	49.04	19.996		
1,400.00	1,373.17	1,354.17	1,354.17	7.17	45.65	89.91	-679.79	-736.43	979.92	927.10	52.81	18.555		
1,404.39	1,377.24	1,358.24	1,358.24	7.19	45.79	90.00	-679.79	-736.43	979.91	926.94	52.98	18.497 CC		
1,479.95	1,446.87	1,427.87	1,427.87	7.61	48.21	91.57	-679.79	-736.43	980.35	924.53	55.82	17.562		
1,500.00	1,465.24	1,446.24	1,446.24	7.72	48.85	92.00	-679.79	-736.43	980.63	924.05	56.58	17.333		
1,600.00	1,556.88	1,537.88	1,537.88	8.31	52.05	94.14	-679.79	-736.43	982.97	922.61	60.35	16.286 ES		
1,700.00	1,648.52	1,629.52	1,629.52	8.92	55.24	96.27	-679.79	-736.43	986.92	922.78	64.15	15.385		
1,800.00	1,740.15	1,721.15	1,721.15	9.54	58.43	98.38	-679.79	-736.43	992.48	924.53	67.95	14.605		
1,900.00	1,831.79	1,812.79	1,812.79	10.17	61.63	100.46	-679.79	-736.43	999.62	927.85	71.76	13.929		
2,000.00	1,923.43	1,904.43	1,904.43	10.81	64.82	102.52	-679.79	-736.43	1,008.29	932.71	75.58	13.341		
2,100.00	2,015.06	2,003.94	2,003.94	11.46	68.29	104.55	-679.79	-736.43	1,018.46	938.80	79.67	12.784		
2,200.00	2,106.70	2,087.70	2,087.70	12.11	71.21	106.54	-679.79	-736.43	1,030.10	946.89	83.20	12.381		
2,300.00	2,198.34	2,179.34	2,179.34	12.78	74.41	108.49	-679.79	-736.43	1,043.13	956.12	87.01	11.989		
2,400.00	2,289.98	2,270.98	2,270.98	13.44	77.60	110.40	-679.79	-736.43	1,057.53	966.72	90.81	11.645		
2,500.00	2,381.61	2,362.61	2,362.61	14.11	80.80	112.26	-679.79	-736.43	1,073.22	978.61	94.61	11.344		
2,600.00	2,473.25	2,454.25	2,454.25	14.79	84.00	114.07	-679.79	-736.43	1,090.16	991.76	98.40	11.079		
2,700.00	2,564.89	2,545.89	2,545.89	15.47	87.19	115.84	-679.79	-736.43	1,108.29	1,006.11	102.18	10.846		
2,800.00	2,656.52	2,637.52	2,637.52	16.15	90.39	117.55	-679.79	-736.43	1,127.55	1,021.59	105.95	10.642		
2,900.00	2,748.16	2,729.16	2,729.16	16.83	93.59	119.21	-679.79	-736.43	1,147.88	1,038.16	109.72	10.462		
3,000.00	2,839.80	2,820.80	2,820.80	17.52	96.78	120.82	-679.79	-736.43	1,169.23	1,055.75	113.48	10.303		
3,100.00	2,931.43	2,912.43	2,912.43	18.20	99.98	122.37	-679.79	-736.43	1,191.54	1,074.31	117.24	10.164		
3,200.00	3,023.07	3,004.07	3,004.07	18.89	103.18	123.88	-679.79	-736.43	1,214.76	1,093.78	120.98	10.041		
3,300.00	3,114.71	3,104.29	3,095.71	19.58	106.68	125.33	-679.79	-736.43	1,238.84	1,113.82	125.02	9.909		
3,400.00	3,206.35	3,187.35	3,187.35	20.27	109.57	126.73	-679.79	-736.43	1,263.73	1,135.28	128.46	9.838		
3,500.00	3,297.98	3,278.98	3,278.98	20.97	112.77	128.09	-679.79	-736.43	1,289.39	1,157.20	132.19	9.754		
3,600.00	3,389.62	3,370.62	3,370.62	21.66	115.97	129.39	-679.79	-736.43	1,315.76	1,179.85	135.91	9.681		
3,700.00	3,481.26	3,462.26	3,462.26	22.36	119.17	130.65	-679.79	-736.43	1,342.80	1,203.18	139.63	9.617		
3,800.00	3,572.89	3,553.89	3,553.89	23.05	122.37	131.86	-679.79	-736.43	1,370.49	1,227.14	143.34	9.561		
3,900.00	3,664.53	3,645.53	3,645.53	23.75	125.56	133.03	-679.79	-736.43	1,398.77	1,251.71	147.05	9.512		
4,000.00	3,756.17	3,737.17	3,737.17	24.45	128.76	134.15	-679.79	-736.43	1,427.61	1,276.85	150.76	9.469		
4,100.00	3,847.80	3,828.80	3,828.80	25.14	131.96	135.24	-679.79	-736.43	1,456.98	1,302.52	154.47	9.432		
4,200.00	3,939.44	3,920.44	3,920.44	25.84	135.16	136.28	-679.79	-736.43	1,486.85	1,328.69	158.17	9.400		
4,300.00	4,031.08	4,012.08	4,012.08	26.54	138.36	137.29	-679.79	-736.43	1,517.19	1,355.32	161.87	9.373		
4,400.00	4,122.72	4,103.72	4,103.72	27.24	141.55	138.26	-679.79	-736.43	1,547.97	1,382.41	165.56	9.350		
4,500.00	4,214.35	4,204.65	4,195.35	27.94	145.08	139.19	-679.79	-736.43	1,579.17	1,409.58	169.58	9.312		
4,600.00	4,305.99	4,286.99	4,286.99	28.64	147.95	140.09	-679.79	-736.43	1,610.75	1,437.80	172.95	9.313		
4,700.00	4,397.63	4,378.63	4,378.63	29.35	151.15	140.96	-679.79	-736.43	1,642.70	1,466.06	176.65	9.299		
4,800.00	4,489.26	4,470.26	4,470.26	30.05	154.35	141.79	-679.79	-736.43	1,675.00	1,494.67	180.34	9.288		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,580.90	4,561.90	4,561.90	30.75	157.54	142.60	-679.79	-736.43	1,707.63	1,523.60	184.03	9.279		
5,000.00	4,672.54	4,653.54	4,653.54	31.45	160.74	143.37	-679.79	-736.43	1,740.57	1,552.85	187.72	9.272		
5,100.00	4,764.17	4,745.17	4,745.17	32.16	163.94	144.12	-679.79	-736.43	1,773.80	1,582.39	191.41	9.267		
5,200.00	4,855.81	4,836.81	4,836.81	32.86	167.14	144.85	-679.79	-736.43	1,807.31	1,612.21	195.10	9.264		
5,300.00	4,947.45	4,928.45	4,928.45	33.56	170.34	145.55	-679.79	-736.43	1,841.07	1,642.29	198.78	9.262		
5,400.00	5,039.08	5,020.08	5,020.08	34.27	173.54	146.22	-679.79	-736.43	1,875.08	1,672.61	202.47	9.261		
5,500.00	5,130.72	5,111.72	5,111.72	34.97	176.74	146.87	-679.79	-736.43	1,909.33	1,703.17	206.16	9.261		
5,600.00	5,222.36	5,203.36	5,203.36	35.68	179.93	147.50	-679.79	-736.43	1,943.80	1,733.95	209.85	9.263		
5,700.00	5,314.00	5,305.00	5,295.00	36.38	183.48	148.11	-679.79	-736.43	1,978.47	1,764.59	213.88	9.250		
5,800.00	5,405.63	5,386.63	5,386.63	37.08	186.33	148.70	-679.79	-736.43	2,013.35	1,796.13	217.22	9.269		
5,900.00	5,497.27	5,478.27	5,478.27	37.79	189.53	149.27	-679.79	-736.43	2,048.41	1,827.51	220.91	9.273		
6,000.00	5,588.91	5,569.91	5,569.91	38.50	192.73	149.82	-679.79	-736.43	2,083.66	1,859.06	224.60	9.277		
6,100.00	5,680.54	5,661.54	5,661.54	39.20	195.93	150.35	-679.79	-736.43	2,119.07	1,890.79	228.28	9.283		
6,200.00	5,772.18	5,753.18	5,753.18	39.91	199.13	150.87	-679.79	-736.43	2,154.65	1,922.67	231.97	9.288		
6,300.00	5,863.82	5,844.82	5,844.82	40.61	202.32	151.37	-679.79	-736.43	2,190.38	1,954.72	235.66	9.295		
6,400.00	5,955.45	5,936.45	5,936.45	41.32	205.52	151.86	-679.79	-736.43	2,226.25	1,986.90	239.35	9.301		
6,500.00	6,047.09	6,028.09	6,028.09	42.02	208.72	152.33	-679.79	-736.43	2,262.27	2,019.23	243.04	9.308		
6,600.00	6,138.73	6,119.73	6,119.73	42.73	211.92	152.78	-679.79	-736.43	2,298.42	2,051.69	246.73	9.316		
6,700.00	6,230.37	6,211.37	6,211.37	43.44	215.12	153.22	-679.79	-736.43	2,334.69	2,084.27	250.42	9.323		
6,712.03	6,241.39	6,222.39	6,222.39	43.52	215.50	153.28	-679.79	-736.43	2,339.06	2,088.20	250.86	9.324		
6,750.00	6,276.38	6,257.38	6,257.38	43.78	216.72	145.41	-679.79	-736.43	2,352.00	2,099.73	252.27	9.323		
6,800.00	6,322.91	6,303.91	6,303.91	44.09	218.35	133.95	-679.79	-736.43	2,366.35	2,112.24	254.12	9.312		
6,850.00	6,369.70	6,350.70	6,350.70	44.36	219.98	121.82	-679.79	-736.43	2,377.61	2,121.65	255.96	9.289		
6,900.00	6,416.45	6,402.55	6,397.45	44.59	221.79	110.03	-679.79	-736.43	2,385.74	2,127.79	257.96	9.249		
6,950.00	6,462.87	6,443.87	6,443.87	44.79	223.23	99.53	-679.79	-736.43	2,390.74	2,131.18	259.56	9.211		
7,000.00	6,508.69	6,489.69	6,489.69	44.95	224.83	90.82	-679.79	-736.43	2,392.62	2,131.34	261.28	9.157		
7,050.00	6,553.61	6,534.61	6,534.61	45.09	226.40	83.96	-679.79	-736.43	2,391.42	2,128.48	262.93	9.095		
7,100.00	6,597.37	6,578.37	6,578.37	45.20	227.93	78.76	-679.79	-736.43	2,387.19	2,122.68	264.52	9.025		
7,150.00	6,639.68	6,620.68	6,620.68	45.30	229.41	74.94	-679.79	-736.43	2,380.03	2,114.02	266.02	8.947		
7,200.00	6,680.29	6,661.29	6,661.29	45.39	230.82	72.26	-679.79	-736.43	2,370.04	2,102.61	267.43	8.862		
7,250.00	6,718.96	6,700.04	6,699.96	45.48	232.18	70.52	-679.79	-736.43	2,357.33	2,088.57	268.76	8.771		
7,300.00	6,755.43	6,736.43	6,736.43	45.57	233.45	69.56	-679.79	-736.43	2,342.04	2,072.04	269.99	8.674		
7,350.00	6,789.49	6,770.49	6,770.49	45.67	234.64	69.27	-679.79	-736.43	2,324.32	2,053.18	271.14	8.573		
7,400.00	6,820.93	6,801.93	6,801.93	45.77	235.73	69.57	-679.79	-736.43	2,304.34	2,032.15	272.19	8.466		
7,450.00	6,849.55	6,830.55	6,830.55	45.89	236.73	70.39	-679.79	-736.43	2,282.29	2,009.12	273.16	8.355		
7,500.00	6,875.17	6,856.17	6,856.17	46.02	237.63	71.68	-679.79	-736.43	2,258.33	1,984.28	274.05	8.241		
7,550.00	6,897.64	6,878.64	6,878.64	46.17	238.41	73.40	-679.79	-736.43	2,232.68	1,957.82	274.86	8.123		
7,600.00	6,916.82	6,902.18	6,897.82	46.35	239.23	75.50	-679.79	-736.43	2,205.53	1,929.78	275.74	7.998		
7,650.00	6,932.60	6,913.60	6,913.60	46.55	239.63	77.96	-679.79	-736.43	2,177.08	1,900.82	276.26	7.881		
7,700.00	6,944.86	6,925.86	6,925.86	46.78	240.06	80.73	-679.79	-736.43	2,147.54	1,870.68	276.86	7.757		
7,750.00	6,953.55	6,934.55	6,934.55	47.04	240.36	83.76	-679.79	-736.43	2,117.10	1,839.71	277.39	7.632		
7,800.00	6,958.59	6,939.59	6,939.59	47.33	240.54	87.01	-679.79	-736.43	2,085.97	1,808.11	277.86	7.507		
7,842.10	6,960.00	6,941.00	6,941.00	47.60	240.59	89.88	-679.79	-736.43	2,059.37	1,781.16	278.21	7.402		
7,900.00	6,960.15	6,941.15	6,941.15	48.01	240.59	89.89	-679.79	-736.43	2,023.07	1,744.38	278.69	7.259		
8,000.00	6,960.40	6,941.40	6,941.40	48.86	240.60	89.90	-679.79	-736.43	1,962.83	1,683.08	279.75	7.016		
8,100.00	6,960.65	6,941.65	6,941.65	49.87	240.61	89.90	-679.79	-736.43	1,905.93	1,624.84	281.09	6.780		
8,200.00	6,960.91	6,941.91	6,941.91	51.06	240.62	89.91	-679.79	-736.43	1,852.69	1,569.95	282.74	6.553		
8,300.00	6,961.16	6,942.16	6,942.16	52.41	240.63	89.92	-679.79	-736.43	1,803.43	1,518.75	284.68	6.335		
8,400.00	6,961.41	6,942.41	6,942.41	53.93	240.64	89.93	-679.79	-736.43	1,758.48	1,471.58	286.90	6.129		
8,500.00	6,961.66	6,942.66	6,942.66	55.59	240.65	89.94	-679.79	-736.43	1,718.18	1,428.79	289.39	5.937		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #11-16G6(TA - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,942.91	6,942.91	57.37	240.65	89.95	-679.79	-736.43	1,682.86	1,390.77	292.09	5.761		
8,700.00	6,962.16	6,943.16	6,943.16	59.27	240.66	89.96	-679.79	-736.43	1,652.85	1,357.87	294.98	5.603		
8,800.00	6,962.42	6,943.42	6,943.42	61.26	240.67	89.97	-679.79	-736.43	1,628.43	1,330.44	297.99	5.465		
8,900.00	6,962.67	6,943.67	6,943.67	63.34	240.68	89.98	-679.79	-736.43	1,609.87	1,308.80	301.07	5.347		
9,000.00	6,962.92	6,943.92	6,943.92	65.49	240.69	89.99	-679.79	-736.43	1,597.36	1,293.22	304.15	5.252		
9,100.00	6,963.17	6,944.17	6,944.17	67.70	240.70	90.00	-679.79	-736.43	1,591.06	1,283.88	307.17	5.180		
9,150.57	6,963.30	6,944.30	6,944.30	68.84	240.70	90.00	-679.79	-736.43	1,590.25	1,281.59	308.67	5.152		
9,200.00	6,963.42	6,944.42	6,944.42	69.97	240.71	90.00	-679.79	-736.43	1,591.02	1,280.94	310.08	5.131		
9,300.00	6,963.68	6,944.68	6,944.68	72.28	240.72	90.01	-679.79	-736.43	1,597.26	1,284.43	312.83	5.106		
9,400.00	6,963.93	6,944.93	6,944.93	74.64	240.72	90.02	-679.79	-736.43	1,609.69	1,294.33	315.37	5.104 SF		
9,500.00	6,964.18	6,945.18	6,945.18	77.04	240.73	90.03	-679.79	-736.43	1,628.19	1,310.52	317.67	5.125		
9,600.00	6,964.43	6,945.43	6,945.43	79.48	240.74	90.04	-679.79	-736.43	1,652.54	1,332.82	319.72	5.169		
9,700.00	6,964.68	6,945.68	6,945.68	81.94	240.75	90.05	-679.79	-736.43	1,682.49	1,360.98	321.51	5.233		
9,800.00	6,964.94	6,945.94	6,945.94	84.43	240.76	90.06	-679.79	-736.43	1,717.75	1,394.70	323.04	5.317		
9,900.00	6,965.19	6,946.19	6,946.19	86.95	240.77	90.07	-679.79	-736.43	1,758.00	1,433.66	324.33	5.420		
10,000.00	6,965.44	6,946.44	6,946.44	89.49	240.78	90.08	-679.79	-736.43	1,802.90	1,477.51	325.39	5.541		
10,100.00	6,965.69	6,946.69	6,946.69	92.05	240.79	90.09	-679.79	-736.43	1,852.11	1,525.88	326.23	5.677		
10,200.00	6,965.94	6,946.94	6,946.94	94.63	240.80	90.10	-679.79	-736.43	1,905.31	1,578.42	326.89	5.829		
10,300.00	6,966.19	6,947.19	6,947.19	97.22	240.80	90.10	-679.79	-736.43	1,962.16	1,634.78	327.38	5.994		
10,400.00	6,966.45	6,947.45	6,947.45	99.83	240.81	90.11	-679.79	-736.43	2,022.37	1,694.64	327.73	6.171		
10,500.00	6,966.70	6,947.70	6,947.70	102.46	240.82	90.12	-679.79	-736.43	2,085.63	1,757.68	327.95	6.360		
10,600.00	6,966.95	6,947.95	6,947.95	105.09	240.83	90.13	-679.79	-736.43	2,151.68	1,823.62	328.07	6.559		
10,700.00	6,967.20	6,948.20	6,948.20	107.74	240.84	90.14	-679.79	-736.43	2,220.28	1,892.18	328.10	6.767		
10,800.00	6,967.45	6,948.45	6,948.45	110.41	240.85	90.15	-679.79	-736.43	2,291.18	1,963.13	328.05	6.984		
10,900.00	6,967.71	6,948.71	6,948.71	113.08	240.86	90.16	-679.79	-736.43	2,364.19	2,036.24	327.95	7.209		
11,000.00	6,967.96	6,948.96	6,948.96	115.76	240.87	90.17	-679.79	-736.43	2,439.12	2,111.31	327.80	7.441		
11,100.00	6,968.21	6,949.21	6,949.21	118.45	240.87	90.18	-679.79	-736.43	2,515.78	2,188.17	327.61	7.679		
11,200.00	6,968.46	6,949.46	6,949.46	121.15	240.88	90.19	-679.79	-736.43	2,594.04	2,266.65	327.39	7.923		
11,300.00	6,968.71	6,949.71	6,949.71	123.85	240.89	90.20	-679.79	-736.43	2,673.75	2,346.60	327.15	8.173		
11,400.00	6,968.97	6,949.97	6,949.97	126.56	240.90	90.20	-679.79	-736.43	2,754.78	2,427.89	326.89	8.427		
11,500.00	6,969.22	6,950.22	6,950.22	129.28	240.91	90.21	-679.79	-736.43	2,837.02	2,510.41	326.61	8.686		
11,600.00	6,969.47	6,950.47	6,950.47	132.01	240.92	90.22	-679.79	-736.43	2,920.37	2,594.04	326.33	8.949		
11,700.00	6,969.72	6,950.72	6,950.72	134.74	240.93	90.23	-679.79	-736.43	3,004.74	2,678.70	326.04	9.216		
11,800.00	6,969.97	6,950.97	6,950.97	137.48	240.94	90.24	-679.79	-736.43	3,090.04	2,764.29	325.75	9.486		
11,900.00	6,970.22	6,951.22	6,951.22	140.22	240.94	90.25	-679.79	-736.43	3,176.20	2,850.74	325.46	9.759		
12,000.00	6,970.48	6,951.48	6,951.48	142.97	240.95	90.26	-679.79	-736.43	3,263.15	2,937.98	325.17	10.035		
12,100.00	6,970.73	6,951.73	6,951.73	145.72	240.96	90.27	-679.79	-736.43	3,350.82	3,025.94	324.88	10.314		
12,200.00	6,970.98	6,951.98	6,951.98	148.47	240.97	90.28	-679.79	-736.43	3,439.17	3,114.57	324.60	10.595		
12,300.00	6,971.23	6,952.23	6,952.23	151.23	240.98	90.29	-679.79	-736.43	3,528.14	3,203.82	324.32	10.879		
12,400.00	6,971.48	6,952.48	6,952.48	154.00	240.99	90.29	-679.79	-736.43	3,617.69	3,293.65	324.04	11.164		
12,500.00	6,971.74	6,952.74	6,952.74	156.76	241.00	90.30	-679.79	-736.43	3,707.77	3,383.99	323.77	11.452		
12,600.00	6,971.99	6,952.99	6,952.99	159.53	241.01	90.31	-679.79	-736.43	3,798.34	3,474.83	323.51	11.741		
12,700.00	6,972.24	6,953.24	6,953.24	162.31	241.01	90.32	-679.79	-736.43	3,889.38	3,566.13	323.25	12.032		
12,800.00	6,972.49	6,953.49	6,953.49	165.09	241.02	90.33	-679.79	-736.43	3,980.85	3,657.85	323.00	12.324		
12,900.00	6,972.74	6,953.74	6,953.74	167.86	241.03	90.34	-679.79	-736.43	4,072.72	3,749.96	322.76	12.618		
13,002.01	6,973.00	6,954.00	6,954.00	170.70	241.04	90.35	-679.79	-736.43	4,166.83	3,844.30	322.52	12.919		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-52.43	317.31	-412.42	520.63					
100.00	100.00	78.80	78.80	3.28	3.28	-52.39	317.76	-412.46	520.69	514.12	6.57	79.258		
200.00	200.00	179.50	179.49	3.34	3.33	-52.28	319.05	-412.57	521.55	514.89	6.66	78.253		
300.00	300.00	280.35	280.34	3.44	3.43	-52.21	319.93	-412.60	522.12	515.24	6.87	75.979		
400.00	399.98	379.65	379.63	3.60	3.57	158.50	320.67	-412.72	524.29	517.12	7.17	73.129		
500.00	499.84	480.28	480.26	3.79	3.76	158.73	321.46	-412.87	529.76	522.21	7.55	70.139		
600.00	599.45	580.00	579.98	4.02	3.99	159.05	322.10	-412.94	538.35	530.33	8.01	67.179		
700.00	698.70	677.94	677.92	4.29	4.25	159.44	322.65	-413.19	550.30	541.77	8.54	64.464		
800.00	797.47	776.98	776.95	4.60	4.53	159.92	323.26	-413.58	565.68	556.56	9.12	62.036		
900.00	895.62	873.82	873.79	4.94	4.82	160.43	323.73	-414.04	584.34	574.60	9.74	59.984		
1,000.00	993.06	970.67	970.63	5.31	5.13	160.98	324.18	-414.80	606.50	596.10	10.40	58.294		
1,100.00	1,089.64	1,068.48	1,068.44	5.72	5.46	161.58	324.63	-415.46	631.89	620.78	11.10	56.902		
1,200.00	1,185.27	1,162.26	1,162.22	6.17	5.79	162.16	324.93	-416.07	660.46	648.64	11.82	55.878		
1,300.00	1,279.82	1,257.64	1,257.60	6.65	6.13	162.76	325.30	-416.99	692.59	680.02	12.57	55.113		
1,400.00	1,373.17	1,351.29	1,351.25	7.17	6.47	163.35	325.33	-417.73	727.61	714.28	13.33	54.590		
1,479.95	1,446.87	1,423.54	1,423.49	7.61	6.74	163.80	325.58	-418.29	758.10	744.16	13.94	54.377		
1,500.00	1,465.24	1,442.02	1,441.97	7.72	6.81	163.97	325.64	-418.45	766.02	751.92	14.10	54.323		
1,600.00	1,556.88	1,535.54	1,535.49	8.31	7.17	164.73	325.80	-419.26	805.47	790.58	14.89	54.104		
1,700.00	1,648.52	1,630.57	1,630.52	8.92	7.53	165.45	325.87	-419.59	844.64	828.94	15.70	53.810		
1,800.00	1,740.15	1,723.72	1,723.66	9.54	7.89	166.10	325.77	-419.72	883.65	867.14	16.51	53.530		
1,900.00	1,831.79	1,815.93	1,815.88	10.17	8.25	166.69	325.61	-419.78	922.66	905.33	17.32	53.263		
2,000.00	1,923.43	1,908.96	1,908.91	10.81	8.61	167.23	325.31	-419.85	961.65	943.49	18.15	52.978		
2,100.00	2,015.06	1,999.86	1,999.80	11.46	8.97	167.70	324.90	-420.02	1,000.68	981.71	18.98	52.732		
2,200.00	2,106.70	2,096.80	2,096.74	12.11	9.36	168.14	323.98	-420.43	1,039.58	1,019.73	19.85	52.380		
2,300.00	2,198.34	2,192.63	2,192.55	12.78	9.74	168.51	322.32	-421.07	1,078.12	1,057.40	20.72	52.037		
2,400.00	2,289.98	2,283.90	2,283.79	13.44	10.11	168.81	320.40	-421.86	1,116.55	1,094.98	21.57	51.771		
2,500.00	2,381.61	2,374.83	2,374.70	14.11	10.48	169.08	318.42	-422.87	1,155.11	1,132.69	22.42	51.525		
2,600.00	2,473.25	2,462.07	2,461.91	14.79	10.84	169.31	316.54	-424.11	1,193.88	1,170.63	23.25	51.351		
2,700.00	2,564.89	2,549.58	2,549.39	15.47	11.20	169.51	314.78	-425.83	1,233.10	1,209.01	24.09	51.197		
2,800.00	2,656.52	2,638.50	2,638.28	16.15	11.56	169.72	313.25	-427.63	1,272.57	1,247.63	24.93	51.039		
2,900.00	2,748.16	2,728.11	2,727.85	16.83	11.93	169.91	311.90	-429.51	1,312.25	1,286.46	25.79	50.885		
3,000.00	2,839.80	2,819.69	2,819.40	17.52	12.31	170.10	310.58	-431.47	1,352.01	1,325.35	26.66	50.712		
3,100.00	2,931.43	2,912.00	2,911.69	18.20	12.69	170.28	309.30	-433.32	1,391.74	1,364.20	27.54	50.535		
3,200.00	3,023.07	3,001.35	3,001.02	18.89	13.06	170.47	308.30	-434.94	1,431.56	1,403.16	28.40	50.409		
3,300.00	3,114.71	3,093.37	3,093.02	19.58	13.44	170.66	307.52	-436.38	1,471.44	1,442.16	29.28	50.256		
3,400.00	3,206.35	3,190.91	3,190.55	20.27	13.85	170.86	306.69	-437.60	1,511.16	1,480.96	30.20	50.035		
3,500.00	3,297.98	3,277.00	3,276.63	20.97	14.21	171.03	305.93	-438.62	1,550.83	1,519.79	31.04	49.962		
3,600.00	3,389.62	3,368.42	3,368.04	21.66	14.59	171.20	305.38	-439.80	1,590.78	1,558.86	31.92	49.837		
3,700.00	3,481.26	3,462.50	3,462.12	22.36	14.98	171.39	304.94	-440.68	1,630.61	1,597.79	32.82	49.681		
3,800.00	3,572.89	3,549.09	3,548.71	23.05	15.34	171.55	304.51	-441.48	1,670.45	1,636.78	33.67	49.619		
3,900.00	3,664.53	3,633.29	3,632.89	23.75	15.69	171.69	304.34	-442.64	1,710.76	1,676.27	34.49	49.600		
4,000.00	3,756.17	3,722.55	3,722.15	24.45	16.07	171.85	304.50	-443.78	1,751.29	1,715.93	35.36	49.530		
4,100.00	3,847.80	3,812.09	3,811.68	25.14	16.44	172.01	304.89	-444.74	1,791.91	1,755.69	36.23	49.462		
4,200.00	3,939.44	3,897.77	3,897.36	25.84	16.80	172.16	305.58	-445.56	1,832.74	1,795.68	37.07	49.445		
4,300.00	4,031.08	3,989.80	3,989.38	26.54	17.19	172.32	306.37	-446.56	1,873.70	1,835.75	37.96	49.362		
4,400.00	4,122.72	4,076.52	4,076.08	27.24	17.56	172.46	307.00	-447.76	1,914.74	1,875.93	38.81	49.340		
4,500.00	4,214.35	4,176.39	4,175.95	27.94	17.98	172.60	307.75	-449.10	1,955.79	1,916.02	39.77	49.182		
4,600.00	4,305.99	4,274.22	4,273.77	28.64	18.39	172.75	308.10	-450.06	1,996.35	1,955.65	40.71	49.040		
4,700.00	4,397.63	4,366.40	4,365.94	29.35	18.78	172.87	308.34	-450.84	2,036.78	1,995.18	41.61	48.955		
4,800.00	4,489.26	4,456.12	4,455.66	30.05	19.16	172.99	308.49	-451.76	2,077.25	2,034.76	42.48	48.897		
4,900.00	4,580.90	4,552.83	4,552.36	30.75	19.57	173.11	308.74	-452.65	2,117.73	2,074.31	43.42	48.775		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-GYRO-NS															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,000.00	4,672.54	4,651.87	4,651.40	31.45	19.98	173.22	308.30	-453.75	2,157.81	2,113.44	44.37	48.628					
5,100.00	4,764.17	4,745.86	4,745.37	32.16	20.38	173.31	307.68	-454.79	2,197.73	2,152.44	45.29	48.528					
5,200.00	4,855.81	4,839.90	4,839.41	32.86	20.78	173.39	306.83	-455.98	2,237.57	2,191.36	46.20	48.428					
5,300.00	4,947.45	4,933.01	4,932.50	33.56	21.17	173.46	305.80	-457.24	2,277.30	2,230.19	47.11	48.337					
5,400.00	5,039.08	5,024.42	5,023.90	34.27	21.56	173.53	304.68	-458.65	2,317.07	2,269.06	48.01	48.264					
5,500.00	5,130.72	5,122.59	5,122.05	34.97	21.98	173.60	303.48	-459.97	2,356.72	2,307.76	48.96	48.135					
5,600.00	5,222.36	5,225.28	5,224.72	35.68	22.41	173.66	301.71	-461.29	2,395.97	2,346.02	49.95	47.967					
5,700.00	5,314.00	5,318.96	5,318.38	36.38	22.81	173.73	300.23	-461.94	2,435.00	2,384.14	50.87	47.872					
5,800.00	5,405.63	5,407.71	5,407.12	37.08	23.18	173.81	299.15	-462.20	2,474.10	2,422.36	51.74	47.819					
5,900.00	5,497.27	5,501.70	5,501.11	37.79	23.58	173.89	298.04	-462.46	2,513.22	2,460.56	52.66	47.729					
6,000.00	5,588.91	5,609.65	5,609.05	38.50	24.04	173.97	296.41	-462.61	2,552.01	2,498.32	53.69	47.533					
6,100.00	5,680.54	5,694.01	5,693.39	39.20	24.39	174.04	295.15	-462.53	2,590.70	2,536.17	54.53	47.511					
6,200.00	5,772.18	5,787.35	5,786.73	39.91	24.79	174.12	293.83	-462.50	2,629.48	2,574.04	55.44	47.428					
6,300.00	5,863.82	5,887.57	5,886.93	40.61	25.21	174.19	292.28	-462.35	2,668.11	2,611.69	56.41	47.297					
6,400.00	5,955.45	5,967.78	5,967.13	41.32	25.55	174.26	291.27	-461.92	2,706.74	2,649.53	57.22	47.307					
6,500.00	6,047.09	6,061.22	6,060.57	42.02	25.94	174.35	290.54	-461.40	2,745.73	2,687.60	58.13	47.233					
6,600.00	6,138.73	6,157.64	6,156.98	42.73	26.35	174.43	289.66	-460.56	2,784.45	2,725.38	59.07	47.137					
6,700.00	6,230.37	6,252.58	6,251.92	43.44	26.75	174.51	288.61	-459.94	2,823.15	2,763.15	60.00	47.053					
6,712.03	6,241.39	6,264.41	6,263.74	43.52	26.80	174.52	288.47	-459.84	2,827.79	2,767.68	60.11	47.041					
6,750.00	6,276.38	6,301.94	6,301.27	43.78	26.96	166.11	288.05	-459.50	2,841.84	2,781.36	60.47	46.992					
6,800.00	6,322.91	6,341.96	6,341.29	44.09	27.13	153.94	287.65	-459.14	2,858.51	2,797.65	60.86	46.966					
6,850.00	6,369.70	6,382.48	6,381.80	44.36	27.30	141.12	287.32	-458.82	2,873.09	2,811.85	61.24	46.912					
6,900.00	6,416.45	6,427.47	6,426.79	44.59	27.49	128.70	287.02	-458.50	2,885.50	2,823.85	61.65	46.806					
6,950.00	6,462.87	6,475.60	6,474.92	44.79	27.70	117.62	286.69	-458.16	2,895.61	2,833.54	62.06	46.657					
7,000.00	6,508.69	6,521.07	6,520.39	44.95	27.89	108.35	286.35	-457.84	2,903.39	2,840.95	62.44	46.501					
7,050.00	6,553.61	6,563.60	6,562.92	45.09	28.07	100.93	286.01	-457.63	2,908.90	2,846.13	62.77	46.340					
7,100.00	6,597.37	6,605.88	6,605.20	45.20	28.25	95.17	285.65	-457.51	2,912.18	2,849.08	63.09	46.156					
7,150.00	6,639.68	6,652.33	6,651.64	45.30	28.44	90.86	285.19	-457.43	2,913.20	2,849.76	63.44	45.917					
7,200.00	6,680.29	6,696.97	6,696.27	45.39	28.63	87.66	284.67	-457.36	2,912.01	2,848.23	63.78	45.658					
7,250.00	6,718.96	6,729.43	6,728.73	45.48	28.77	85.25	284.30	-457.32	2,908.75	2,844.74	64.01	45.440					
7,300.00	6,755.43	6,759.29	6,758.59	45.57	28.90	83.56	284.03	-457.29	2,903.59	2,839.35	64.24	45.199					
7,350.00	6,789.49	6,787.14	6,786.45	45.67	29.02	82.46	283.84	-457.28	2,896.63	2,832.16	64.47	44.928					
7,400.00	6,820.93	6,813.88	6,813.19	45.77	29.13	81.88	283.72	-457.29	2,887.97	2,823.24	64.73	44.617					
7,450.00	6,849.55	6,839.22	6,838.52	45.89	29.24	81.74	283.63	-457.32	2,877.70	2,812.68	65.02	44.261					
7,500.00	6,875.17	6,861.96	6,861.26	46.02	29.33	81.95	283.56	-457.36	2,865.94	2,800.61	65.34	43.864					
7,550.00	6,897.64	6,881.97	6,881.27	46.17	29.42	82.48	283.51	-457.42	2,852.83	2,787.14	65.70	43.425					
7,600.00	6,916.82	6,899.12	6,898.42	46.35	29.49	83.27	283.49	-457.48	2,838.49	2,772.39	66.10	42.943					
7,650.00	6,932.60	6,914.31	6,913.61	46.55	29.56	84.31	283.47	-457.54	2,823.05	2,756.49	66.56	42.412					
7,700.00	6,944.86	6,926.23	6,925.53	46.78	29.61	85.54	283.45	-457.59	2,806.63	2,739.56	67.07	41.844					
7,750.00	6,953.55	6,934.73	6,934.03	47.04	29.64	86.95	283.45	-457.63	2,789.38	2,721.74	67.64	41.241					
7,800.00	6,958.59	6,939.76	6,939.07	47.33	29.67	88.49	283.44	-457.65	2,771.41	2,703.16	68.24	40.611					
7,842.10	6,960.00	6,941.29	6,940.59	47.60	29.67	89.89	283.44	-457.66	2,755.81	2,687.02	68.79	40.064					
7,900.00	6,960.15	6,941.66	6,940.97	48.01	29.67	89.90	283.44	-457.66	2,734.62	2,665.03	69.59	39.297					
8,000.00	6,960.40	6,942.32	6,941.62	48.86	29.68	89.91	283.44	-457.66	2,700.55	2,629.40	71.16	37.953					
8,100.00	6,960.65	6,942.97	6,942.27	49.87	29.68	89.93	283.44	-457.67	2,669.80	2,596.86	72.94	36.604					
8,200.00	6,960.91	6,943.62	6,942.93	51.06	29.68	89.94	283.44	-457.67	2,642.48	2,567.56	74.91	35.274					
8,300.00	6,961.16	6,944.28	6,943.58	52.41	29.68	89.95	283.44	-457.67	2,618.69	2,541.63	77.06	33.985					
8,400.00	6,961.41	6,944.94	6,944.24	53.93	29.69	89.97	283.44	-457.67	2,598.53	2,519.19	79.34	32.752					
8,500.00	6,961.66	6,945.59	6,944.90	55.59	29.69	89.98	283.44	-457.68	2,582.10	2,500.36	81.74	31.589					
8,600.00	6,961.91	6,946.25	6,945.55	57.37	29.69	90.00	283.44	-457.68	2,569.45	2,485.22	84.23	30.506					

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - JOHNSON #2(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,946.91	6,946.21	59.27	29.70	90.01	283.44	-457.68	2,560.65	2,473.87	86.78	29.508		
8,800.00	6,962.42	6,947.57	6,946.87	61.26	29.70	90.03	283.44	-457.68	2,555.73	2,466.37	89.36	28.600		
8,875.78	6,962.61	6,948.07	6,947.38	62.83	29.70	90.04	283.44	-457.69	2,554.61	2,463.28	91.33	27.971		
8,900.00	6,962.67	6,948.23	6,947.54	63.34	29.70	90.04	283.44	-457.69	2,554.72	2,462.77	91.95	27.783		
9,000.00	6,962.92	6,948.90	6,948.20	65.49	29.70	90.06	283.43	-457.69	2,557.63	2,463.10	94.53	27.056		
9,100.00	6,963.17	6,949.56	6,948.86	67.70	29.71	90.07	283.43	-457.69	2,564.43	2,467.36	97.07	26.418		
9,200.00	6,963.42	6,950.22	6,949.53	69.97	29.71	90.09	283.43	-457.70	2,575.10	2,475.54	99.56	25.864		
9,300.00	6,963.68	6,950.89	6,950.19	72.28	29.71	90.10	283.43	-457.70	2,589.59	2,487.61	101.98	25.393		
9,400.00	6,963.93	6,951.56	6,950.86	74.64	29.72	90.12	283.43	-457.70	2,607.84	2,503.52	104.32	25.000		
9,500.00	6,964.18	6,952.22	6,951.53	77.04	29.72	90.13	283.43	-457.71	2,629.77	2,523.21	106.55	24.680		
9,600.00	6,964.43	6,952.89	6,952.19	79.48	29.72	90.15	283.43	-457.71	2,655.28	2,546.59	108.69	24.430		
9,700.00	6,964.68	6,953.56	6,952.86	81.94	29.72	90.16	283.43	-457.71	2,684.28	2,573.56	110.71	24.245		
9,800.00	6,964.94	6,954.23	6,953.53	84.43	29.73	90.18	283.43	-457.71	2,716.65	2,604.03	112.62	24.122		
9,900.00	6,965.19	6,954.90	6,954.21	86.95	29.73	90.19	283.43	-457.72	2,752.27	2,637.86	114.41	24.056		
10,000.00	6,965.44	6,955.58	6,954.88	89.49	29.73	90.21	283.43	-457.72	2,791.03	2,674.94	116.09	24.043 SF		
10,100.00	6,965.69	6,956.25	6,955.55	92.05	29.74	90.22	283.43	-457.72	2,832.79	2,715.14	117.64	24.080		
10,200.00	6,965.94	6,956.92	6,956.23	94.63	29.74	90.24	283.43	-457.73	2,877.41	2,758.33	119.08	24.163		
10,300.00	6,966.19	6,957.60	6,956.90	97.22	29.74	90.25	283.43	-457.73	2,924.78	2,804.37	120.42	24.289		
10,400.00	6,966.45	6,958.28	6,957.58	99.83	29.74	90.27	283.43	-457.73	2,974.76	2,853.12	121.64	24.456		
10,500.00	6,966.70	6,958.95	6,958.26	102.46	29.75	90.28	283.43	-457.73	3,027.21	2,904.45	122.76	24.659		
10,600.00	6,966.95	6,959.63	6,958.93	105.09	29.75	90.30	283.43	-457.74	3,082.02	2,958.23	123.79	24.898		
10,700.00	6,967.20	6,960.31	6,959.61	107.74	29.75	90.31	283.43	-457.74	3,139.05	3,014.34	124.72	25.169		
10,800.00	6,967.45	6,960.99	6,960.29	110.41	29.76	90.33	283.43	-457.74	3,198.20	3,072.63	125.57	25.470		
10,900.00	6,967.71	6,961.67	6,960.98	113.08	29.76	90.34	283.43	-457.75	3,259.34	3,133.01	126.33	25.799		
11,000.00	6,967.96	6,962.36	6,961.66	115.76	29.76	90.36	283.43	-457.75	3,322.37	3,195.34	127.03	26.155		
11,100.00	6,968.21	6,963.04	6,962.34	118.45	29.76	90.38	283.43	-457.75	3,387.18	3,259.52	127.65	26.534		
11,200.00	6,968.46	6,963.73	6,963.03	121.15	29.77	90.39	283.43	-457.76	3,453.66	3,325.45	128.21	26.937		
11,300.00	6,968.71	6,964.41	6,963.71	123.85	29.77	90.41	283.43	-457.76	3,521.73	3,393.02	128.71	27.361		
11,400.00	6,968.97	6,965.10	6,964.40	126.56	29.77	90.42	283.43	-457.76	3,591.30	3,462.14	129.16	27.804		
11,500.00	6,969.22	6,965.79	6,965.09	129.28	29.78	90.44	283.43	-457.77	3,662.27	3,532.71	129.56	28.267		
11,600.00	6,969.47	6,966.48	6,965.78	132.01	29.78	90.45	283.43	-457.77	3,734.58	3,604.66	129.92	28.746		
11,700.00	6,969.72	6,967.17	6,966.47	134.74	29.78	90.47	283.43	-457.77	3,808.14	3,677.91	130.23	29.242		
11,800.00	6,969.97	6,967.86	6,967.16	137.48	29.79	90.48	283.42	-457.77	3,882.87	3,752.37	130.50	29.753		
11,900.00	6,970.22	6,968.55	6,967.85	140.22	29.79	90.50	283.42	-457.78	3,958.73	3,827.98	130.74	30.278		
12,000.00	6,970.48	6,969.24	6,968.54	142.97	29.79	90.51	283.42	-457.78	4,035.63	3,904.68	130.95	30.817		
12,100.00	6,970.73	6,969.94	6,969.24	145.72	29.79	90.53	283.42	-457.78	4,113.53	3,982.40	131.14	31.369		
12,200.00	6,970.98	6,970.63	6,969.93	148.47	29.80	90.55	283.42	-457.79	4,192.37	4,061.08	131.29	31.932		
12,300.00	6,971.23	6,971.33	6,970.63	151.23	29.80	90.56	283.42	-457.79	4,272.09	4,140.67	131.42	32.506		
12,400.00	6,971.48	6,972.03	6,971.33	154.00	29.80	90.58	283.42	-457.79	4,352.65	4,221.12	131.54	33.091		
12,500.00	6,971.74	6,972.72	6,972.03	156.76	29.81	90.59	283.42	-457.80	4,434.01	4,302.38	131.63	33.686		
12,600.00	6,971.99	6,973.42	6,972.73	159.53	29.81	90.61	283.42	-457.80	4,516.11	4,384.40	131.70	34.290		
12,700.00	6,972.24	6,974.12	6,973.43	162.31	29.81	90.62	283.42	-457.80	4,598.92	4,467.15	131.76	34.903		
12,800.00	6,972.49	6,974.83	6,974.13	165.09	29.81	90.64	283.42	-457.81	4,682.40	4,550.59	131.81	35.524		
12,900.00	6,972.74	6,975.53	6,974.83	167.86	29.82	90.66	283.42	-457.81	4,766.51	4,634.67	131.84	36.153		
13,002.01	6,973.00	6,976.25	6,975.55	170.70	29.82	90.67	283.42	-457.81	4,852.94	4,721.07	131.87	36.802		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - KRISTY #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-117.03	-2,186.92	-4,286.44	4,812.11					
100.00	100.00	106.50	106.50	3.28	3.29	-117.03	-2,186.84	-4,286.23	4,811.91	4,805.34	6.57	732.098		
192.26	192.26	178.26	178.26	3.33	3.33	-117.03	-2,186.66	-4,286.18	4,811.74	4,805.08	6.66	722.846		
200.00	200.00	184.47	184.47	3.34	3.33	-117.03	-2,186.63	-4,286.19	4,811.74	4,805.07	6.67	721.699		
300.00	300.00	318.23	318.23	3.44	3.48	-117.02	-2,185.72	-4,286.30	4,811.53	4,804.61	6.92	695.248		
400.00	399.98	417.40	417.39	3.60	3.64	93.62	-2,185.09	-4,285.83	4,810.93	4,803.69	7.23	665.055		
448.72	448.65	450.49	450.48	3.69	3.70	93.64	-2,184.99	-4,285.70	4,810.82	4,803.44	7.38	651.453		
500.00	499.84	485.30	485.29	3.79	3.77	93.66	-2,184.94	-4,285.66	4,810.94	4,803.38	7.56	636.558		
600.00	599.45	585.88	585.87	4.02	4.00	93.76	-2,184.70	-4,285.87	4,811.58	4,803.56	8.02	600.014		
700.00	698.70	723.35	723.33	4.29	4.37	93.96	-2,183.62	-4,285.74	4,811.95	4,803.30	8.65	556.056		
800.00	797.47	819.43	819.41	4.60	4.65	94.13	-2,183.08	-4,285.13	4,812.24	4,803.00	9.24	520.684		
900.00	895.62	897.42	897.40	4.94	4.89	94.29	-2,182.94	-4,284.73	4,813.12	4,803.30	9.83	489.848		
1,000.00	993.06	973.81	973.79	5.31	5.14	94.46	-2,182.96	-4,284.63	4,814.77	4,804.33	10.45	460.858		
1,100.00	1,089.64	1,061.41	1,061.39	5.72	5.43	94.69	-2,182.85	-4,284.92	4,817.16	4,806.01	11.15	432.062		
1,200.00	1,185.27	1,181.78	1,181.76	6.17	5.85	95.06	-2,182.22	-4,285.40	4,819.91	4,807.90	12.01	401.277		
1,300.00	1,279.82	1,276.67	1,276.65	6.65	6.19	95.37	-2,181.74	-4,285.34	4,822.75	4,809.92	12.83	375.837		
1,400.00	1,373.17	1,360.47	1,360.45	7.17	6.50	95.66	-2,181.73	-4,285.21	4,826.29	4,812.64	13.66	353.394		
1,479.95	1,446.87	1,422.76	1,422.74	7.61	6.73	95.87	-2,181.89	-4,285.19	4,829.73	4,815.40	14.33	337.039		
1,500.00	1,465.24	1,437.16	1,437.14	7.72	6.78	95.94	-2,181.93	-4,285.21	4,830.69	4,816.19	14.50	333.210		
1,600.00	1,556.88	1,510.18	1,510.15	8.31	7.05	96.28	-2,182.19	-4,285.49	4,835.87	4,820.51	15.36	314.920		
1,700.00	1,648.52	1,591.84	1,591.81	8.92	7.36	96.67	-2,182.53	-4,286.04	4,841.64	4,825.37	16.27	297.623		
1,800.00	1,740.15	1,673.07	1,673.04	9.54	7.67	97.05	-2,183.01	-4,286.71	4,847.92	4,830.73	17.19	281.941		
1,900.00	1,831.79	1,754.19	1,754.15	10.17	7.99	97.42	-2,183.73	-4,287.47	4,854.72	4,836.59	18.14	267.693		
2,000.00	1,923.43	1,865.72	1,865.67	10.81	8.43	97.94	-2,184.59	-4,288.63	4,861.92	4,842.71	19.21	253.094		
2,100.00	2,015.06	1,987.56	1,987.51	11.46	8.91	98.51	-2,185.34	-4,289.03	4,868.74	4,848.40	20.34	239.390		
2,200.00	2,106.70	2,118.65	2,118.60	12.11	9.43	99.11	-2,185.64	-4,288.69	4,875.23	4,853.71	21.51	226.610		
2,300.00	2,198.34	2,210.13	2,210.07	12.78	9.80	99.54	-2,185.65	-4,288.15	4,881.69	4,859.16	22.54	216.619		
2,400.00	2,289.98	2,286.64	2,286.58	13.44	10.11	99.89	-2,186.08	-4,287.69	4,888.64	4,865.14	23.50	208.009		
2,500.00	2,381.61	2,349.97	2,349.91	14.11	10.36	100.17	-2,186.75	-4,287.48	4,896.28	4,871.87	24.42	200.528		
2,600.00	2,473.25	2,415.24	2,415.17	14.79	10.63	100.47	-2,187.47	-4,287.70	4,904.81	4,879.46	25.34	193.546		
2,700.00	2,564.89	2,505.20	2,505.13	15.47	10.99	100.87	-2,188.31	-4,288.30	4,913.87	4,887.50	26.37	186.318		
2,800.00	2,656.52	2,618.19	2,618.11	16.15	11.46	101.39	-2,189.21	-4,288.82	4,923.02	4,895.52	27.51	178.975		
2,900.00	2,748.16	2,715.53	2,715.45	16.83	11.86	101.82	-2,190.05	-4,288.99	4,932.24	4,903.67	28.58	172.602		
3,000.00	2,839.80	2,805.98	2,805.89	17.52	12.23	102.23	-2,191.01	-4,289.06	4,941.73	4,912.11	29.62	166.853		
3,100.00	2,931.43	2,867.29	2,867.20	18.20	12.48	102.50	-2,191.72	-4,289.31	4,951.83	4,921.29	30.53	162.179		
3,200.00	3,023.07	2,963.09	2,962.99	18.89	12.88	102.93	-2,192.65	-4,290.17	4,962.61	4,931.01	31.60	157.045		
3,300.00	3,114.71	3,081.63	3,081.52	19.58	13.37	103.46	-2,193.32	-4,290.75	4,973.21	4,940.44	32.77	151.771		
3,400.00	3,206.35	3,160.60	3,160.49	20.27	13.69	103.81	-2,194.01	-4,290.93	4,983.95	4,950.19	33.76	147.619		
3,500.00	3,297.98	3,233.61	3,233.50	20.97	14.00	104.13	-2,194.94	-4,291.30	4,995.33	4,960.60	34.73	143.833		
3,600.00	3,389.62	3,313.73	3,313.61	21.66	14.33	104.48	-2,195.96	-4,292.02	5,007.33	4,971.60	35.73	140.149		
3,700.00	3,481.26	3,434.94	3,434.81	22.36	14.84	105.01	-2,196.79	-4,292.89	5,019.29	4,982.38	36.91	135.978		
3,800.00	3,572.89	3,527.73	3,527.60	23.05	15.22	105.42	-2,197.15	-4,293.40	5,031.37	4,993.40	37.97	132.515		
3,900.00	3,664.53	3,620.48	3,620.35	23.75	15.61	105.83	-2,197.46	-4,293.91	5,043.71	5,004.69	39.02	129.248		
4,000.00	3,756.17	3,713.19	3,713.06	24.45	16.00	106.24	-2,197.72	-4,294.41	5,056.32	5,016.24	40.08	126.161		
4,100.00	3,847.80	3,805.87	3,805.74	25.14	16.39	106.64	-2,197.92	-4,294.90	5,069.19	5,028.06	41.13	123.242		
4,200.00	3,939.44	3,898.52	3,898.38	25.84	16.78	107.04	-2,198.07	-4,295.38	5,082.33	5,040.15	42.19	120.477		
4,300.00	4,031.08	3,991.13	3,990.99	26.54	17.17	107.45	-2,198.17	-4,295.85	5,095.74	5,052.50	43.24	117.856		
4,400.00	4,122.72	4,083.70	4,083.56	27.24	17.55	107.85	-2,198.22	-4,296.32	5,109.41	5,065.12	44.29	115.368		
4,500.00	4,214.35	4,176.24	4,176.10	27.94	17.94	108.25	-2,198.21	-4,296.78	5,123.34	5,078.00	45.34	113.004		
4,600.00	4,305.99	4,272.73	4,272.58	28.64	18.35	108.66	-2,198.06	-4,297.23	5,137.50	5,091.09	46.40	110.711		
4,700.00	4,397.63	4,366.80	4,366.66	29.35	18.75	109.07	-2,197.59	-4,297.64	5,151.85	5,104.40	47.46	108.555		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - KRISTY #1(PA) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,489.26	4,456.79	4,456.64	30.05	19.12	109.46	-2,196.93	-4,298.06	5,166.48	5,117.99	48.49	106.543		
4,900.00	4,580.90	4,531.86	4,531.71	30.75	19.44	109.78	-2,196.35	-4,298.49	5,181.49	5,132.04	49.45	104.776		
5,000.00	4,672.54	4,600.00	4,599.84	31.45	19.73	110.08	-2,195.75	-4,299.27	5,197.24	5,146.87	50.38	103.165		
5,100.00	4,764.17	4,700.38	4,700.21	32.16	20.15	110.51	-2,194.78	-4,300.56	5,213.42	5,161.97	51.46	101.317		
5,200.00	4,855.81	4,799.15	4,798.96	32.86	20.57	110.93	-2,193.75	-4,301.59	5,229.64	5,177.12	52.53	99.563		
5,300.00	4,947.45	4,926.17	4,925.98	33.56	21.11	111.46	-2,193.55	-4,302.12	5,245.65	5,191.92	53.73	97.628		
5,400.00	5,039.08	5,010.00	5,009.81	34.27	21.46	111.80	-2,194.26	-4,302.20	5,261.77	5,207.04	54.73	96.146		
5,500.00	5,130.72	5,082.45	5,082.26	34.97	21.77	112.09	-2,194.96	-4,302.46	5,278.38	5,222.71	55.66	94.824		
5,600.00	5,222.36	5,165.34	5,165.14	35.68	22.12	112.42	-2,195.53	-4,303.03	5,295.50	5,238.85	56.65	93.475		
5,700.00	5,314.00	5,252.42	5,252.22	36.38	22.49	112.77	-2,195.82	-4,303.76	5,312.97	5,255.31	57.66	92.147		
5,800.00	5,405.63	5,380.22	5,380.01	37.08	23.03	113.28	-2,196.39	-4,304.61	5,330.59	5,271.73	58.86	90.558		
5,900.00	5,497.27	5,485.28	5,485.07	37.79	23.47	113.69	-2,197.32	-4,304.55	5,347.77	5,287.82	59.96	89.195		
6,000.00	5,588.91	5,591.68	5,591.46	38.50	23.92	114.10	-2,199.04	-4,304.24	5,365.03	5,303.98	61.05	87.874		
6,100.00	5,680.54	5,671.31	5,671.08	39.20	24.26	114.40	-2,200.22	-4,303.97	5,382.46	5,320.45	62.02	86.789		
6,200.00	5,772.18	5,738.57	5,738.33	39.91	24.55	114.65	-2,201.12	-4,303.97	5,400.43	5,337.51	62.92	85.835		
6,300.00	5,863.82	5,800.00	5,799.75	40.61	24.81	114.89	-2,202.01	-4,304.31	5,419.11	5,355.33	63.78	84.964		
6,400.00	5,955.45	5,889.22	5,888.96	41.32	25.18	115.23	-2,203.03	-4,305.09	5,438.30	5,373.52	64.79	83.943		
6,500.00	6,047.09	6,000.52	6,000.26	42.02	25.66	115.65	-2,203.41	-4,305.97	5,457.59	5,391.69	65.90	82.813		
6,600.00	6,138.73	6,127.49	6,127.23	42.73	26.20	116.14	-2,203.36	-4,306.27	5,476.58	5,409.48	67.10	81.623		
6,700.00	6,230.37	6,228.04	6,227.78	43.44	26.62	116.52	-2,203.57	-4,306.12	5,495.45	5,427.30	68.15	80.634		
6,712.03	6,241.39	6,239.06	6,238.80	43.52	26.67	116.56	-2,203.61	-4,306.09	5,497.73	5,429.45	68.27	80.524		
6,750.00	6,276.38	6,326.04	6,273.70	43.78	27.04	109.37	-2,203.75	-4,306.01	5,503.83	5,434.95	68.87	79.914		
6,800.00	6,322.91	6,320.60	6,320.34	44.09	27.01	98.56	-2,204.00	-4,305.91	5,508.48	5,439.35	69.13	79.680		
6,850.00	6,369.70	6,367.48	6,367.22	44.36	27.21	86.85	-2,204.25	-4,305.80	5,509.28	5,439.69	69.59	79.170		
6,900.00	6,416.45	6,414.32	6,414.05	44.59	27.41	75.27	-2,204.50	-4,305.70	5,506.20	5,436.19	70.01	78.649		
6,950.00	6,462.87	6,460.82	6,460.55	44.79	27.61	64.77	-2,204.75	-4,305.60	5,499.28	5,428.89	70.39	78.122		
7,000.00	6,508.89	6,506.70	6,506.44	44.95	27.80	55.86	-2,204.99	-4,305.49	5,488.54	5,417.81	70.74	77.591		
7,050.00	6,553.61	6,551.68	6,551.41	45.09	27.99	48.61	-2,205.23	-4,305.39	5,474.06	5,403.02	71.04	77.054		
7,100.00	6,597.37	6,595.48	6,595.21	45.20	28.18	42.82	-2,205.46	-4,305.30	5,455.92	5,384.61	71.31	76.510		
7,150.00	6,639.68	6,637.83	6,637.56	45.30	28.36	38.23	-2,205.69	-4,305.20	5,434.22	5,362.67	71.54	75.957		
7,200.00	6,680.29	6,678.47	6,678.20	45.39	28.53	34.58	-2,205.90	-4,305.11	5,409.09	5,337.35	71.75	75.393		
7,250.00	6,718.96	6,717.14	6,716.87	45.48	28.70	31.67	-2,206.11	-4,305.02	5,380.69	5,308.78	71.92	74.818		
7,300.00	6,755.43	6,753.62	6,753.35	45.57	28.85	29.35	-2,206.30	-4,304.94	5,349.19	5,277.12	72.06	74.229		
7,350.00	6,789.49	6,787.67	6,787.40	45.67	29.00	27.49	-2,206.48	-4,304.87	5,314.76	5,242.58	72.19	73.627		
7,400.00	6,820.93	6,819.08	6,818.81	45.77	29.13	26.00	-2,206.65	-4,304.80	5,277.63	5,205.34	72.29	73.011		
7,450.00	6,849.55	6,847.67	6,847.39	45.89	29.25	24.84	-2,206.80	-4,304.73	5,238.00	5,165.64	72.37	72.381		
7,500.00	6,875.17	6,873.25	6,872.97	46.02	29.36	23.94	-2,206.94	-4,304.68	5,196.13	5,123.70	72.43	71.739		
7,550.00	6,897.64	6,895.66	6,895.39	46.17	29.46	23.30	-2,207.05	-4,304.63	5,152.25	5,079.77	72.48	71.084		
7,600.00	6,916.82	6,914.78	6,914.51	46.35	29.54	22.90	-2,207.16	-4,304.58	5,106.65	5,034.13	72.52	70.419		
7,650.00	6,932.60	6,930.48	6,930.20	46.55	29.60	22.79	-2,207.24	-4,304.55	5,059.58	4,987.04	72.54	69.745		
7,700.00	6,944.86	6,942.66	6,942.39	46.78	29.66	23.05	-2,207.30	-4,304.52	5,011.35	4,938.79	72.56	69.064		
7,750.00	6,953.55	6,951.25	6,950.98	47.04	29.69	24.08	-2,207.35	-4,304.50	4,962.24	4,889.67	72.57	68.378		
7,800.00	6,958.59	6,956.20	6,955.92	47.33	29.71	27.95	-2,207.38	-4,304.49	4,912.55	4,839.97	72.57	67.690		
7,842.10	6,960.00	6,957.51	6,957.24	47.60	29.72	88.77	-2,207.38	-4,304.49	4,870.49	4,797.92	72.57	67.111		
7,900.00	6,960.15	6,957.53	6,957.25	48.01	29.72	88.79	-2,207.38	-4,304.49	4,812.59	4,740.02	72.57	66.316		
8,000.00	6,960.40	6,957.55	6,957.28	48.86	29.72	88.82	-2,207.38	-4,304.49	4,712.59	4,640.03	72.57	64.943		
8,100.00	6,960.65	6,957.58	6,957.31	49.87	29.72	88.85	-2,207.38	-4,304.49	4,612.60	4,540.04	72.56	63.569		
8,200.00	6,960.91	6,957.61	6,957.33	51.06	29.72	88.88	-2,207.38	-4,304.49	4,512.60	4,440.05	72.56	62.194		
8,300.00	6,961.16	6,957.63	6,957.36	52.41	29.72	88.91	-2,207.38	-4,304.49	4,412.61	4,340.06	72.55	60.819		
8,400.00	6,961.41	6,957.66	6,957.39	53.93	29.72	88.95	-2,207.38	-4,304.49	4,312.62	4,240.07	72.55	59.443		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
8,500.00	6,961.66	6,957.69	6,957.41	55.59	29.72	88.98	-2,207.38	-4,304.49	4,212.62	4,140.07	72.55	58.067		
8,600.00	6,961.91	6,957.71	6,957.44	57.37	29.72	89.01	-2,207.38	-4,304.49	4,112.63	4,040.08	72.55	56.690		
8,700.00	6,962.16	6,957.74	6,957.47	59.27	29.72	89.04	-2,207.38	-4,304.49	4,012.64	3,940.09	72.55	55.312		
8,800.00	6,962.42	6,957.77	6,957.49	61.26	29.72	89.07	-2,207.38	-4,304.49	3,912.64	3,840.10	72.54	53.934		
8,900.00	6,962.67	6,957.79	6,957.52	63.34	29.72	89.10	-2,207.38	-4,304.49	3,812.65	3,740.11	72.54	52.556		
9,000.00	6,962.92	6,957.82	6,957.54	65.49	29.72	89.13	-2,207.38	-4,304.49	3,712.66	3,640.11	72.55	51.177		
9,100.00	6,963.17	6,957.84	6,957.57	67.70	29.72	89.17	-2,207.38	-4,304.49	3,612.67	3,540.12	72.55	49.798		
9,200.00	6,963.42	6,957.87	6,957.60	69.97	29.72	89.20	-2,207.38	-4,304.49	3,512.68	3,440.13	72.55	48.419		
9,300.00	6,963.68	6,957.90	6,957.62	72.28	29.72	89.23	-2,207.38	-4,304.49	3,412.69	3,340.14	72.55	47.039		
9,400.00	6,963.93	6,957.92	6,957.65	74.64	29.72	89.26	-2,207.38	-4,304.49	3,312.70	3,240.15	72.55	45.659		
9,500.00	6,964.18	6,957.95	6,957.68	77.04	29.72	89.29	-2,207.38	-4,304.49	3,212.71	3,140.15	72.56	44.280		
9,600.00	6,964.43	6,957.98	6,957.70	79.48	29.72	89.32	-2,207.39	-4,304.49	3,112.72	3,040.16	72.56	42.900		
9,700.00	6,964.68	6,958.00	6,957.73	81.94	29.72	89.35	-2,207.39	-4,304.49	3,012.73	2,940.17	72.56	41.520		
9,800.00	6,964.94	6,958.03	6,957.76	84.43	29.72	89.39	-2,207.39	-4,304.49	2,912.75	2,840.18	72.57	40.140		
9,900.00	6,965.19	6,958.06	6,957.78	86.95	29.72	89.42	-2,207.39	-4,304.49	2,812.76	2,740.19	72.57	38.760		
10,000.00	6,965.44	6,958.08	6,957.81	89.49	29.72	89.45	-2,207.39	-4,304.49	2,712.77	2,640.20	72.57	37.380		
10,100.00	6,965.69	6,958.11	6,957.84	92.05	29.72	89.48	-2,207.39	-4,304.49	2,612.79	2,540.21	72.58	36.000		
10,200.00	6,965.94	6,958.13	6,957.86	94.63	29.72	89.51	-2,207.39	-4,304.49	2,512.81	2,440.23	72.58	34.620		
10,300.00	6,966.19	6,958.16	6,957.89	97.22	29.72	89.54	-2,207.39	-4,304.49	2,412.83	2,340.24	72.59	33.240		
10,400.00	6,966.45	6,958.19	6,957.91	99.83	29.72	89.58	-2,207.39	-4,304.49	2,312.85	2,240.26	72.59	31.861		
10,500.00	6,966.70	6,958.21	6,957.94	102.46	29.72	89.61	-2,207.39	-4,304.49	2,212.87	2,140.27	72.60	30.482		
10,600.00	6,966.95	6,958.24	6,957.97	105.09	29.72	89.64	-2,207.39	-4,304.49	2,112.90	2,040.29	72.60	29.103		
10,700.00	6,967.20	6,958.27	6,957.99	107.74	29.72	89.67	-2,207.39	-4,304.49	2,012.92	1,940.32	72.61	27.724		
10,800.00	6,967.45	6,958.29	6,958.02	110.41	29.72	89.70	-2,207.39	-4,304.49	1,912.95	1,840.34	72.61	26.346		
10,900.00	6,967.71	6,958.32	6,958.05	113.08	29.72	89.73	-2,207.39	-4,304.49	1,812.99	1,740.37	72.61	24.968		
11,000.00	6,967.96	6,958.35	6,958.07	115.76	29.72	89.76	-2,207.39	-4,304.49	1,713.02	1,640.41	72.62	23.590		
11,100.00	6,968.21	6,958.37	6,958.10	118.45	29.72	89.80	-2,207.39	-4,304.49	1,613.07	1,540.44	72.62	22.212		
11,200.00	6,968.46	6,958.40	6,958.13	121.15	29.72	89.83	-2,207.39	-4,304.49	1,513.11	1,440.49	72.63	20.834		
11,300.00	6,968.71	6,958.43	6,958.15	123.85	29.72	89.86	-2,207.39	-4,304.49	1,413.17	1,340.54	72.63	19.457		
11,400.00	6,968.97	6,958.45	6,958.18	126.56	29.72	89.89	-2,207.39	-4,304.49	1,313.23	1,240.59	72.64	18.080		
11,500.00	6,969.22	6,958.48	6,958.20	129.28	29.72	89.92	-2,207.39	-4,304.48	1,213.30	1,140.66	72.64	16.702		
11,600.00	6,969.47	6,958.50	6,958.23	132.01	29.72	89.95	-2,207.39	-4,304.48	1,113.39	1,040.73	72.65	15.325		
11,700.00	6,969.72	6,958.53	6,958.26	134.74	29.72	89.98	-2,207.39	-4,304.48	1,013.49	940.82	72.67	13.946		
11,800.00	6,969.97	6,958.56	6,958.28	137.48	29.72	90.02	-2,207.39	-4,304.48	913.61	840.91	72.70	12.567		
11,900.00	6,970.22	6,958.58	6,958.31	140.22	29.72	90.05	-2,207.39	-4,304.48	813.77	741.02	72.75	11.185		
12,000.00	6,970.48	6,958.61	6,958.34	142.97	29.72	90.08	-2,207.39	-4,304.48	713.97	641.12	72.85	9.801		
12,100.00	6,970.73	6,958.64	6,958.36	145.72	29.72	90.11	-2,207.39	-4,304.48	614.23	541.21	73.02	8.412		
12,200.00	6,970.98	6,958.66	6,958.39	148.47	29.72	90.14	-2,207.39	-4,304.48	514.60	441.24	73.36	7.015		
12,300.00	6,971.23	6,958.69	6,958.42	151.23	29.72	90.17	-2,207.39	-4,304.48	415.14	341.06	74.07	5.604		
12,400.00	6,971.48	6,958.72	6,958.44	154.00	29.72	90.21	-2,207.39	-4,304.48	316.02	240.25	75.77	4.171		
12,500.00	6,971.74	6,958.74	6,958.47	156.76	29.73	90.24	-2,207.39	-4,304.48	217.72	137.11	80.61	2.701		
12,600.00	6,971.99	6,958.77	6,958.50	159.53	29.73	90.27	-2,207.39	-4,304.48	122.19	23.02	99.17	1.232 Level 2		
12,700.00	6,972.24	6,958.80	6,958.52	162.31	29.73	90.30	-2,207.39	-4,304.48	49.61	-136.02	185.63	0.267 Level 1		
12,712.31	6,972.27	6,958.80	6,958.53	162.65	29.73	90.30	-2,207.39	-4,304.48	48.05	-144.22	192.27	0.250 Level 1, CC, ES, SF		
12,800.00	6,972.49	6,958.82	6,958.55	165.09	29.73	90.33	-2,207.39	-4,304.48	99.96	-22.74	122.70	0.815 Level 1		
12,900.00	6,972.74	6,958.85	6,958.57	167.86	29.73	90.36	-2,207.39	-4,304.48	193.71	100.37	93.33	2.075		
13,002.01	6,973.00	6,958.88	6,958.60	170.70	29.73	90.39	-2,207.39	-4,304.48	293.62	209.10	84.52	3.474		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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
Falken 9-11 PAD - Merritt #6-66-9-0758CDH(PR) - OH - OH														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
9,700.00	6,964.68	11,976.00	7,279.28	81.94	107.53	106.19	-1,208.71	-11,168.31	9,937.74	9,792.21	145.53	68.286		
9,800.00	6,964.94	11,976.00	7,279.28	84.43	107.53	106.19	-1,208.71	-11,168.31	9,838.32	9,692.77	145.55	67.596		
9,900.00	6,965.19	11,976.00	7,279.28	86.95	107.53	106.19	-1,208.71	-11,168.31	9,738.91	9,593.34	145.57	66.903		
10,000.00	6,965.44	11,976.00	7,279.28	89.49	107.53	106.19	-1,208.71	-11,168.31	9,639.51	9,493.92	145.59	66.210		
10,100.00	6,965.69	11,976.00	7,279.28	92.05	107.53	106.19	-1,208.71	-11,168.31	9,540.12	9,394.50	145.62	65.514		
10,200.00	6,965.94	11,976.00	7,279.28	94.63	107.53	106.19	-1,208.71	-11,168.31	9,440.75	9,295.09	145.65	64.816		
10,300.00	6,966.19	11,976.00	7,279.28	97.22	107.53	106.19	-1,208.71	-11,168.31	9,341.39	9,195.69	145.69	64.117		
10,400.00	6,966.45	11,976.00	7,279.28	99.83	107.53	106.19	-1,208.71	-11,168.31	9,242.04	9,096.30	145.74	63.416		
10,500.00	6,966.70	11,976.00	7,279.28	102.46	107.53	106.19	-1,208.71	-11,168.31	9,142.71	8,996.92	145.79	62.714		
10,600.00	6,966.95	11,976.00	7,279.28	105.09	107.53	106.19	-1,208.71	-11,168.31	9,043.39	8,897.55	145.84	62.009		
10,700.00	6,967.20	11,976.00	7,279.28	107.74	107.53	106.19	-1,208.71	-11,168.31	8,944.09	8,798.19	145.90	61.303		
10,800.00	6,967.45	11,976.00	7,279.28	110.41	107.53	106.19	-1,208.71	-11,168.31	8,844.80	8,698.83	145.97	60.594		
10,900.00	6,967.71	11,976.00	7,279.28	113.08	107.53	106.19	-1,208.71	-11,168.31	8,745.53	8,599.49	146.04	59.884		
11,000.00	6,967.96	11,976.00	7,279.28	115.76	107.53	106.19	-1,208.71	-11,168.31	8,646.28	8,500.16	146.12	59.172		
11,100.00	6,968.21	11,976.00	7,279.28	118.45	107.53	106.19	-1,208.71	-11,168.31	8,547.04	8,400.83	146.21	58.458		
11,200.00	6,968.46	11,976.00	7,279.28	121.15	107.53	106.19	-1,208.71	-11,168.31	8,447.82	8,301.52	146.30	57.742		
11,300.00	6,968.71	11,976.00	7,279.28	123.85	107.53	106.19	-1,208.71	-11,168.31	8,348.63	8,202.22	146.41	57.024		
11,400.00	6,968.97	11,976.00	7,279.28	126.56	107.53	106.19	-1,208.71	-11,168.31	8,249.45	8,102.93	146.52	56.304		
11,500.00	6,969.22	11,976.00	7,279.28	129.28	107.53	106.19	-1,208.71	-11,168.31	8,150.29	8,003.65	146.64	55.582		
11,600.00	6,969.47	11,976.00	7,279.28	132.01	107.53	106.19	-1,208.71	-11,168.31	8,051.15	7,904.38	146.76	54.858		
11,700.00	6,969.72	11,976.00	7,279.28	134.74	107.53	106.19	-1,208.71	-11,168.31	7,952.03	7,805.13	146.90	54.131		
11,800.00	6,969.97	11,976.00	7,279.28	137.48	107.53	106.19	-1,208.71	-11,168.31	7,852.93	7,705.88	147.05	53.403		
11,900.00	6,970.22	11,976.00	7,279.28	140.22	107.53	106.19	-1,208.71	-11,168.31	7,753.86	7,606.65	147.21	52.672		
12,000.00	6,970.48	11,976.00	7,279.28	142.97	107.53	106.19	-1,208.71	-11,168.31	7,654.81	7,507.44	147.38	51.940		
12,100.00	6,970.73	11,976.00	7,279.28	145.72	107.53	106.19	-1,208.71	-11,168.31	7,555.79	7,408.23	147.56	51.205		
12,200.00	6,970.98	11,976.00	7,279.28	148.47	107.53	106.19	-1,208.71	-11,168.31	7,456.80	7,309.04	147.75	50.467		
12,300.00	6,971.23	11,976.00	7,279.28	151.23	107.53	106.19	-1,208.71	-11,168.31	7,357.83	7,209.86	147.96	49.728		
12,400.00	6,971.48	11,976.00	7,279.28	154.00	107.53	106.19	-1,208.71	-11,168.31	7,258.88	7,110.70	148.18	48.986		
12,500.00	6,971.74	11,976.00	7,279.28	156.76	107.53	106.19	-1,208.71	-11,168.31	7,159.97	7,011.56	148.42	48.243		
12,600.00	6,971.99	11,976.00	7,279.28	159.53	107.53	106.19	-1,208.71	-11,168.31	7,061.09	6,912.43	148.67	47.497		
12,700.00	6,972.24	11,976.00	7,279.28	162.31	107.53	106.19	-1,208.71	-11,168.31	6,962.24	6,813.31	148.93	46.748		
12,800.00	6,972.49	11,976.00	7,279.28	165.09	107.53	106.19	-1,208.71	-11,168.31	6,863.43	6,714.21	149.21	45.998		
12,900.00	6,972.74	11,976.00	7,279.28	167.86	107.53	106.19	-1,208.71	-11,168.31	6,764.65	6,615.13	149.51	45.245		
13,002.01	6,973.00	11,976.00	7,279.28	170.70	107.53	106.19	-1,208.71	-11,168.31	6,663.92	6,514.08	149.84	44.475	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Merritt #6-66-9-0857CH(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 725-MWD														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	6,963.93	11,988.00	7,170.83	74.64	108.39	100.11	-1,174.48	-10,863.16	9,933.56	9,789.62	143.94	69.010		
9,500.00	6,964.18	11,988.00	7,170.83	77.04	108.39	100.11	-1,174.48	-10,863.16	9,834.15	9,690.21	143.94	68.322		
9,600.00	6,964.43	11,988.00	7,170.83	79.48	108.39	100.11	-1,174.48	-10,863.16	9,734.75	9,590.81	143.94	67.631		
9,700.00	6,964.68	11,988.00	7,170.83	81.94	108.39	100.11	-1,174.48	-10,863.16	9,635.37	9,491.42	143.94	66.939		
9,800.00	6,964.94	11,988.00	7,170.83	84.43	108.39	100.11	-1,174.48	-10,863.16	9,535.99	9,392.04	143.95	66.245		
9,900.00	6,965.19	11,988.00	7,170.83	86.95	108.39	100.11	-1,174.48	-10,863.16	9,436.63	9,292.67	143.96	65.549		
10,000.00	6,965.44	11,988.00	7,170.83	89.49	108.39	100.11	-1,174.48	-10,863.16	9,337.28	9,193.30	143.98	64.851		
10,100.00	6,965.69	11,988.00	7,170.83	92.05	108.39	100.11	-1,174.48	-10,863.16	9,237.95	9,093.95	144.00	64.151		
10,200.00	6,965.94	11,988.00	7,170.83	94.63	108.39	100.11	-1,174.48	-10,863.16	9,138.63	8,994.60	144.03	63.450		
10,300.00	6,966.19	11,988.00	7,170.83	97.22	108.39	100.11	-1,174.48	-10,863.16	9,039.33	8,895.27	144.06	62.746		
10,400.00	6,966.45	11,988.00	7,170.83	99.83	108.39	100.11	-1,174.48	-10,863.16	8,940.04	8,795.94	144.10	62.040		
10,500.00	6,966.70	11,988.00	7,170.83	102.46	108.39	100.11	-1,174.48	-10,863.16	8,840.77	8,696.62	144.14	61.333		
10,600.00	6,966.95	11,988.00	7,170.83	105.09	108.39	100.11	-1,174.48	-10,863.16	8,741.51	8,597.32	144.19	60.623		
10,700.00	6,967.20	11,988.00	7,170.83	107.74	108.39	100.11	-1,174.48	-10,863.16	8,642.27	8,498.02	144.25	59.911		
10,800.00	6,967.45	11,988.00	7,170.83	110.41	108.39	100.11	-1,174.48	-10,863.16	8,543.05	8,398.74	144.31	59.197		
10,900.00	6,967.71	11,988.00	7,170.83	113.08	108.39	100.11	-1,174.48	-10,863.16	8,443.85	8,299.47	144.39	58.481		
11,000.00	6,967.96	11,988.00	7,170.83	115.76	108.39	100.11	-1,174.48	-10,863.16	8,344.67	8,200.20	144.46	57.763		
11,100.00	6,968.21	11,988.00	7,170.83	118.45	108.39	100.11	-1,174.48	-10,863.16	8,245.51	8,100.95	144.55	57.042		
11,200.00	6,968.46	11,988.00	7,170.83	121.15	108.39	100.11	-1,174.48	-10,863.16	8,146.36	8,001.72	144.65	56.320		
11,300.00	6,968.71	11,988.00	7,170.83	123.85	108.39	100.11	-1,174.48	-10,863.16	8,047.24	7,902.49	144.75	55.595		
11,400.00	6,968.97	11,988.00	7,170.83	126.56	108.39	100.11	-1,174.48	-10,863.16	7,948.14	7,803.28	144.86	54.867		
11,500.00	6,969.22	11,988.00	7,170.83	129.28	108.39	100.11	-1,174.48	-10,863.16	7,849.06	7,704.08	144.98	54.137		
11,600.00	6,969.47	11,988.00	7,170.83	132.01	108.39	100.11	-1,174.48	-10,863.16	7,750.01	7,604.89	145.12	53.405		
11,700.00	6,969.72	11,988.00	7,170.83	134.74	108.39	100.11	-1,174.48	-10,863.16	7,650.98	7,505.72	145.26	52.671		
11,800.00	6,969.97	11,988.00	7,170.83	137.48	108.39	100.11	-1,174.48	-10,863.16	7,551.98	7,406.56	145.42	51.934		
11,900.00	6,970.22	11,988.00	7,170.83	140.22	108.39	100.11	-1,174.48	-10,863.16	7,453.00	7,307.42	145.58	51.195		
12,000.00	6,970.48	11,988.00	7,170.83	142.97	108.39	100.11	-1,174.48	-10,863.16	7,354.05	7,208.29	145.76	50.453		
12,100.00	6,970.73	11,988.00	7,170.83	145.72	108.39	100.11	-1,174.48	-10,863.16	7,255.13	7,109.18	145.95	49.708		
12,200.00	6,970.98	11,988.00	7,170.83	148.47	108.39	100.11	-1,174.48	-10,863.16	7,156.24	7,010.08	146.16	48.961		
12,300.00	6,971.23	11,988.00	7,170.83	151.23	108.39	100.11	-1,174.48	-10,863.16	7,057.39	6,911.00	146.38	48.212		
12,400.00	6,971.48	11,988.00	7,170.83	154.00	108.39	100.11	-1,174.48	-10,863.16	6,958.56	6,811.94	146.62	47.460		
12,500.00	6,971.74	11,988.00	7,170.83	156.76	108.39	100.11	-1,174.48	-10,863.16	6,859.77	6,712.90	146.87	46.705		
12,600.00	6,971.99	11,988.00	7,170.83	159.53	108.39	100.11	-1,174.48	-10,863.16	6,761.01	6,613.87	147.14	45.948		
12,700.00	6,972.24	11,988.00	7,170.83	162.31	108.39	100.11	-1,174.48	-10,863.16	6,662.29	6,514.86	147.43	45.189		
12,800.00	6,972.49	11,988.00	7,170.83	165.09	108.39	100.11	-1,174.48	-10,863.16	6,563.61	6,415.87	147.74	44.427		
12,900.00	6,972.74	11,988.00	7,170.83	167.86	108.39	100.11	-1,174.48	-10,863.16	6,464.97	6,316.90	148.07	43.662		
13,002.01	6,973.00	11,988.00	7,170.83	170.70	108.39	100.11	-1,174.48	-10,863.16	6,364.39	6,215.97	148.42	42.880 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 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		
9,600.00	6,964.43	11,790.00	7,095.39	79.48	106.81	96.09	-1,179.08	-11,130.84	9,998.91	9,854.70	144.21	69.336		
9,700.00	6,964.68	11,790.00	7,095.39	81.94	106.81	96.09	-1,179.08	-11,130.84	9,899.47	9,755.26	144.21	68.644		
9,800.00	6,964.94	11,790.00	7,095.39	84.43	106.81	96.09	-1,179.08	-11,130.84	9,800.04	9,655.82	144.22	67.950		
9,900.00	6,965.19	11,790.00	7,095.39	86.95	106.81	96.09	-1,179.08	-11,130.84	9,700.63	9,556.39	144.24	67.254		
10,000.00	6,965.44	11,790.00	7,095.39	89.49	106.81	96.09	-1,179.08	-11,130.84	9,601.23	9,456.97	144.26	66.557		
10,100.00	6,965.69	11,790.00	7,095.39	92.05	106.81	96.09	-1,179.08	-11,130.84	9,501.84	9,357.56	144.28	65.858		
10,200.00	6,965.94	11,790.00	7,095.39	94.63	106.81	96.09	-1,179.08	-11,130.84	9,402.46	9,258.16	144.31	65.157		
10,300.00	6,966.19	11,790.00	7,095.39	97.22	106.81	96.09	-1,179.08	-11,130.84	9,303.10	9,158.76	144.34	64.454		
10,400.00	6,966.45	11,790.00	7,095.39	99.83	106.81	96.09	-1,179.08	-11,130.84	9,203.75	9,059.38	144.38	63.749		
10,500.00	6,966.70	11,790.00	7,095.39	102.46	106.81	96.09	-1,179.08	-11,130.84	9,104.42	8,960.00	144.42	63.042		
10,600.00	6,966.95	11,790.00	7,095.39	105.09	106.81	96.09	-1,179.08	-11,130.84	9,005.10	8,860.63	144.47	62.333		
10,700.00	6,967.20	11,790.00	7,095.39	107.74	106.81	96.09	-1,179.08	-11,130.84	8,905.80	8,761.27	144.52	61.622		
10,800.00	6,967.45	11,790.00	7,095.39	110.41	106.81	96.09	-1,179.08	-11,130.84	8,806.51	8,661.92	144.58	60.910		
10,900.00	6,967.71	11,790.00	7,095.39	113.08	106.81	96.09	-1,179.08	-11,130.84	8,707.23	8,562.58	144.65	60.195		
11,000.00	6,967.96	11,790.00	7,095.39	115.76	106.81	96.09	-1,179.08	-11,130.84	8,607.98	8,463.25	144.73	59.478		
11,100.00	6,968.21	11,790.00	7,095.39	118.45	106.81	96.09	-1,179.08	-11,130.84	8,508.74	8,363.93	144.81	58.758		
11,200.00	6,968.46	11,790.00	7,095.39	121.15	106.81	96.09	-1,179.08	-11,130.84	8,409.52	8,264.62	144.90	58.037		
11,300.00	6,968.71	11,790.00	7,095.39	123.85	106.81	96.09	-1,179.08	-11,130.84	8,310.32	8,165.32	145.00	57.314		
11,400.00	6,968.97	11,790.00	7,095.39	126.56	106.81	96.09	-1,179.08	-11,130.84	8,211.14	8,066.03	145.10	56.588		
11,500.00	6,969.22	11,790.00	7,095.39	129.28	106.81	96.09	-1,179.08	-11,130.84	8,111.97	7,966.75	145.22	55.860		
11,600.00	6,969.47	11,790.00	7,095.39	132.01	106.81	96.09	-1,179.08	-11,130.84	8,012.83	7,867.49	145.35	55.130		
11,700.00	6,969.72	11,790.00	7,095.39	134.74	106.81	96.09	-1,179.08	-11,130.84	7,913.71	7,768.23	145.48	54.397		
11,800.00	6,969.97	11,790.00	7,095.39	137.48	106.81	96.09	-1,179.08	-11,130.84	7,814.62	7,668.99	145.63	53.662		
11,900.00	6,970.22	11,790.00	7,095.39	140.22	106.81	96.09	-1,179.08	-11,130.84	7,715.54	7,569.76	145.78	52.925		
12,000.00	6,970.48	11,790.00	7,095.39	142.97	106.81	96.09	-1,179.08	-11,130.84	7,616.49	7,470.54	145.95	52.185		
12,100.00	6,970.73	11,790.00	7,095.39	145.72	106.81	96.09	-1,179.08	-11,130.84	7,517.47	7,371.34	146.13	51.443		
12,200.00	6,970.98	11,790.00	7,095.39	148.47	106.81	96.09	-1,179.08	-11,130.84	7,418.47	7,272.15	146.32	50.699		
12,300.00	6,971.23	11,790.00	7,095.39	151.23	106.81	96.09	-1,179.08	-11,130.84	7,319.50	7,172.97	146.53	49.952		
12,400.00	6,971.48	11,790.00	7,095.39	154.00	106.81	96.09	-1,179.08	-11,130.84	7,220.56	7,073.80	146.75	49.203		
12,500.00	6,971.74	11,790.00	7,095.39	156.76	106.81	96.09	-1,179.08	-11,130.84	7,121.64	6,974.66	146.99	48.451		
12,600.00	6,971.99	11,790.00	7,095.39	159.53	106.81	96.09	-1,179.08	-11,130.84	7,022.76	6,875.52	147.24	47.696		
12,700.00	6,972.24	11,790.00	7,095.39	162.31	106.81	96.09	-1,179.08	-11,130.84	6,923.91	6,776.40	147.51	46.940		
12,800.00	6,972.49	11,790.00	7,095.39	165.09	106.81	96.09	-1,179.08	-11,130.84	6,825.09	6,677.30	147.79	46.181		
12,900.00	6,972.74	11,790.00	7,095.39	167.86	106.81	96.09	-1,179.08	-11,130.84	6,726.31	6,578.22	148.09	45.419		
13,002.01	6,973.00	11,790.00	7,095.39	170.70	106.81	96.09	-1,179.08	-11,130.84	6,625.58	6,477.16	148.42	44.639 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-142.06	-2,342.78	-1,826.73	2,970.86					
100.00	100.00	79.00	79.00	3.28	3.56	-142.06	-2,342.78	-1,826.73	2,970.79	2,963.94	6.84	434.149		
200.00	200.00	179.00	179.00	3.34	5.57	-142.06	-2,342.78	-1,826.73	2,970.79	2,961.88	8.91	333.486		
300.00	300.00	279.00	279.00	3.44	8.64	-142.06	-2,342.78	-1,826.73	2,970.79	2,958.70	12.09	245.804		
400.00	399.98	378.98	378.98	3.60	11.94	68.59	-2,342.78	-1,826.73	2,970.15	2,954.61	15.54	191.131		
500.00	499.84	478.84	478.84	3.79	15.33	68.72	-2,342.78	-1,826.73	2,968.24	2,949.13	19.11	155.306		
600.00	599.45	578.45	578.45	4.02	18.74	68.93	-2,342.78	-1,826.73	2,965.08	2,942.33	22.76	130.297		
700.00	698.70	677.70	677.70	4.29	22.16	69.23	-2,342.78	-1,826.73	2,960.70	2,934.26	26.45	111.950		
800.00	797.47	776.47	776.47	4.60	25.57	69.62	-2,342.78	-1,826.73	2,955.14	2,924.98	30.17	97.959		
900.00	895.62	874.62	874.62	4.94	28.97	70.09	-2,342.78	-1,826.73	2,948.46	2,914.56	33.91	86.956		
1,000.00	993.06	972.06	972.06	5.31	32.36	70.63	-2,342.78	-1,826.73	2,940.73	2,903.07	37.66	78.085		
1,100.00	1,089.64	1,068.64	1,068.64	5.72	35.71	71.26	-2,342.78	-1,826.73	2,932.01	2,890.59	41.42	70.787		
1,200.00	1,185.27	1,164.27	1,164.27	6.17	39.04	71.97	-2,342.78	-1,826.73	2,922.41	2,877.23	45.18	64.680		
1,300.00	1,279.82	1,258.82	1,258.82	6.65	42.33	72.75	-2,342.78	-1,826.73	2,912.03	2,863.09	48.94	59.497		
1,400.00	1,373.17	1,352.17	1,352.17	7.17	45.58	73.59	-2,342.78	-1,826.73	2,900.99	2,848.28	52.70	55.044		
1,479.95	1,446.87	1,425.87	1,425.87	7.61	48.14	74.32	-2,342.78	-1,826.73	2,891.76	2,836.06	55.70	51.912		
1,500.00	1,465.24	1,444.24	1,444.24	7.72	48.78	74.46	-2,342.78	-1,826.73	2,889.42	2,832.96	56.46	51.179		
1,600.00	1,556.88	1,535.88	1,535.88	8.31	51.98	75.17	-2,342.78	-1,826.73	2,878.05	2,817.83	60.23	47.788		
1,700.00	1,648.52	1,627.52	1,627.52	8.92	55.17	75.88	-2,342.78	-1,826.73	2,867.19	2,803.18	64.01	44.790		
1,800.00	1,740.15	1,719.15	1,719.15	9.54	58.36	76.60	-2,342.78	-1,826.73	2,856.86	2,789.04	67.82	42.124		
1,900.00	1,831.79	1,810.79	1,810.79	10.17	61.56	77.32	-2,342.78	-1,826.73	2,847.05	2,775.41	71.64	39.740		
2,000.00	1,923.43	1,902.43	1,902.43	10.81	64.75	78.04	-2,342.78	-1,826.73	2,837.77	2,762.29	75.47	37.599		
2,100.00	2,015.06	2,005.94	2,005.94	11.46	68.36	78.77	-2,342.78	-1,826.73	2,829.02	2,749.29	79.73	35.482		
2,200.00	2,106.70	2,085.70	2,085.70	12.11	71.14	79.51	-2,342.78	-1,826.73	2,820.82	2,737.65	83.17	33.916		
2,300.00	2,198.34	2,177.34	2,177.34	12.78	74.34	80.24	-2,342.78	-1,826.73	2,813.16	2,726.13	87.03	32.324		
2,400.00	2,289.98	2,268.98	2,268.98	13.44	77.53	80.98	-2,342.78	-1,826.73	2,806.06	2,715.16	90.90	30.871		
2,500.00	2,381.61	2,360.61	2,360.61	14.11	80.73	81.73	-2,342.78	-1,826.73	2,799.50	2,704.74	94.77	29.541		
2,600.00	2,473.25	2,452.25	2,452.25	14.79	83.93	82.47	-2,342.78	-1,826.73	2,793.51	2,694.87	98.64	28.319		
2,700.00	2,564.89	2,543.89	2,543.89	15.47	87.12	83.22	-2,342.78	-1,826.73	2,788.08	2,685.55	102.53	27.194		
2,800.00	2,656.52	2,635.52	2,635.52	16.15	90.32	83.97	-2,342.78	-1,826.73	2,783.21	2,676.80	106.41	26.155		
2,900.00	2,748.16	2,727.16	2,727.16	16.83	93.52	84.72	-2,342.78	-1,826.73	2,778.91	2,668.62	110.30	25.195		
3,000.00	2,839.80	2,818.80	2,818.80	17.52	96.71	85.48	-2,342.78	-1,826.73	2,775.19	2,661.00	114.19	24.304		
3,100.00	2,931.43	2,910.43	2,910.43	18.20	99.91	86.24	-2,342.78	-1,826.73	2,772.03	2,653.95	118.08	23.476		
3,200.00	3,023.07	3,002.07	3,002.07	18.89	103.11	86.99	-2,342.78	-1,826.73	2,769.45	2,647.48	121.97	22.705		
3,300.00	3,114.71	3,106.29	3,106.29	19.58	106.75	87.75	-2,342.78	-1,826.73	2,767.45	2,641.14	126.31	21.910		
3,400.00	3,206.35	3,185.35	3,185.35	20.27	109.50	88.51	-2,342.78	-1,826.73	2,766.03	2,636.26	129.76	21.316		
3,500.00	3,297.98	3,276.98	3,276.98	20.97	112.70	89.27	-2,342.78	-1,826.73	2,765.18	2,631.52	133.66	20.688		
3,595.86	3,385.82	3,364.82	3,364.82	21.63	115.77	90.00	-2,342.78	-1,826.73	2,764.92	2,627.52	137.39	20.124		
3,600.00	3,389.62	3,368.62	3,368.62	21.66	115.90	90.03	-2,342.78	-1,826.73	2,764.92	2,627.36	137.56	20.100		
3,700.00	3,481.26	3,460.26	3,460.26	22.36	119.10	90.79	-2,342.78	-1,826.73	2,765.23	2,623.78	141.45	19.549		
3,800.00	3,572.89	3,551.89	3,551.89	23.05	122.30	91.55	-2,342.78	-1,826.73	2,766.12	2,620.78	145.35	19.031		
3,900.00	3,664.53	3,643.53	3,643.53	23.75	125.49	92.31	-2,342.78	-1,826.73	2,767.60	2,618.35	149.24	18.544		
4,000.00	3,756.17	3,735.17	3,735.17	24.45	128.69	93.07	-2,342.78	-1,826.73	2,769.65	2,616.51	153.13	18.086		
4,100.00	3,847.80	3,826.80	3,826.80	25.14	131.89	93.83	-2,342.78	-1,826.73	2,772.27	2,615.25	157.03	17.655		
4,200.00	3,939.44	3,918.44	3,918.44	25.84	135.09	94.58	-2,342.78	-1,826.73	2,775.47	2,614.56	160.92	17.248		
4,300.00	4,031.08	4,010.08	4,010.08	26.54	138.29	95.34	-2,342.78	-1,826.73	2,779.25	2,614.45	164.80	16.864		
4,400.00	4,122.72	4,101.72	4,101.72	27.24	141.48	96.09	-2,342.78	-1,826.73	2,783.59	2,614.91	168.69	16.501		
4,500.00	4,214.35	4,193.35	4,193.35	27.94	144.65	96.84	-2,342.78	-1,826.73	2,788.51	2,615.47	173.04	16.115		
4,600.00	4,305.99	4,284.99	4,284.99	28.64	147.88	97.59	-2,342.78	-1,826.73	2,793.99	2,617.53	176.45	15.834		
4,700.00	4,397.63	4,376.63	4,376.63	29.35	151.08	98.33	-2,342.78	-1,826.73	2,800.03	2,619.70	180.33	15.527		
4,800.00	4,489.26	4,468.26	4,468.26	30.05	154.28	99.08	-2,342.78	-1,826.73	2,806.62	2,622.42	184.21	15.236		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,900.00	4,580.90	4,559.90	4,559.90	30.75	157.48	99.82	-2,342.78	-1,826.73	2,813.78	2,625.70	188.08	14.961					
5,000.00	4,672.54	4,651.54	4,651.54	31.45	160.67	100.55	-2,342.78	-1,826.73	2,821.48	2,629.53	191.95	14.699					
5,100.00	4,764.17	4,743.17	4,743.17	32.16	163.87	101.29	-2,342.78	-1,826.73	2,829.73	2,633.92	195.81	14.451					
5,200.00	4,855.81	4,834.81	4,834.81	32.86	167.07	102.02	-2,342.78	-1,826.73	2,838.52	2,638.84	199.67	14.216					
5,300.00	4,947.45	4,926.45	4,926.45	33.56	170.27	102.74	-2,342.78	-1,826.73	2,847.84	2,644.31	203.53	13.992					
5,400.00	5,039.08	5,018.08	5,018.08	34.27	173.47	103.46	-2,342.78	-1,826.73	2,857.69	2,650.31	207.38	13.780					
5,500.00	5,130.72	5,109.72	5,109.72	34.97	176.67	104.18	-2,342.78	-1,826.73	2,868.07	2,656.84	211.23	13.578					
5,600.00	5,222.36	5,201.36	5,201.36	35.68	179.86	104.89	-2,342.78	-1,826.73	2,878.97	2,663.89	215.08	13.386					
5,700.00	5,314.00	5,307.00	5,293.00	36.38	183.55	105.60	-2,342.78	-1,826.73	2,890.39	2,670.97	219.41	13.173					
5,800.00	5,405.63	5,384.63	5,384.63	37.08	186.26	106.30	-2,342.78	-1,826.73	2,902.31	2,679.54	222.76	13.029					
5,900.00	5,497.27	5,476.27	5,476.27	37.79	189.46	107.00	-2,342.78	-1,826.73	2,914.73	2,688.13	226.60	12.863					
6,000.00	5,588.91	5,567.91	5,567.91	38.50	192.66	107.69	-2,342.78	-1,826.73	2,927.64	2,697.22	230.43	12.705					
6,100.00	5,680.54	5,659.54	5,659.54	39.20	195.86	108.38	-2,342.78	-1,826.73	2,941.05	2,706.79	234.25	12.555					
6,200.00	5,772.18	5,751.18	5,751.18	39.91	199.06	109.06	-2,342.78	-1,826.73	2,954.93	2,716.86	238.07	12.412					
6,300.00	5,863.82	5,842.82	5,842.82	40.61	202.25	109.74	-2,342.78	-1,826.73	2,969.29	2,727.40	241.89	12.275					
6,400.00	5,955.45	5,934.45	5,934.45	41.32	205.45	110.41	-2,342.78	-1,826.73	2,984.12	2,738.41	245.71	12.145					
6,500.00	6,047.09	6,026.09	6,026.09	42.02	208.65	111.07	-2,342.78	-1,826.73	2,999.41	2,749.89	249.51	12.021					
6,600.00	6,138.73	6,117.73	6,117.73	42.73	211.85	111.73	-2,342.78	-1,826.73	3,015.15	2,761.83	253.32	11.903					
6,700.00	6,230.37	6,209.37	6,209.37	43.44	215.05	112.38	-2,342.78	-1,826.73	3,031.34	2,774.22	257.12	11.790					
6,712.03	6,241.39	6,220.39	6,220.39	43.52	215.43	112.46	-2,342.78	-1,826.73	3,033.32	2,775.74	257.58	11.776					
6,750.00	6,276.38	6,255.38	6,255.38	43.78	216.66	105.41	-2,342.78	-1,826.73	3,038.49	2,779.47	259.02	11.731					
6,800.00	6,322.91	6,301.91	6,301.91	44.09	218.28	94.77	-2,342.78	-1,826.73	3,041.97	2,781.06	260.91	11.659					
6,850.00	6,369.70	6,348.70	6,348.70	44.36	219.91	83.20	-2,342.78	-1,826.73	3,041.66	2,778.87	262.79	11.575					
6,900.00	6,416.45	6,404.55	6,395.45	44.59	221.86	71.72	-2,342.78	-1,826.73	3,037.54	2,772.59	264.94	11.465					
6,950.00	6,462.87	6,441.87	6,441.87	44.79	223.16	61.31	-2,342.78	-1,826.73	3,029.63	2,763.21	266.42	11.372					
7,000.00	6,508.69	6,487.69	6,487.69	44.95	224.76	52.47	-2,342.78	-1,826.73	3,017.98	2,749.83	268.15	11.255					
7,050.00	6,553.61	6,532.61	6,532.61	45.09	226.33	45.26	-2,342.78	-1,826.73	3,002.64	2,732.83	269.82	11.128					
7,100.00	6,597.37	6,576.37	6,576.37	45.20	227.86	39.49	-2,342.78	-1,826.73	2,983.71	2,712.30	271.41	10.993					
7,150.00	6,639.68	6,618.68	6,618.68	45.30	229.34	34.89	-2,342.78	-1,826.73	2,961.29	2,688.36	272.93	10.850					
7,200.00	6,680.29	6,659.29	6,659.29	45.39	230.75	31.20	-2,342.78	-1,826.73	2,935.50	2,661.13	274.37	10.699					
7,250.00	6,718.96	6,702.04	6,697.96	45.48	232.25	28.22	-2,342.78	-1,826.73	2,906.50	2,630.64	275.86	10.536					
7,300.00	6,755.43	6,734.43	6,734.43	45.57	233.38	25.79	-2,342.78	-1,826.73	2,874.45	2,597.48	276.98	10.378					
7,350.00	6,789.49	6,768.49	6,768.49	45.67	234.57	23.77	-2,342.78	-1,826.73	2,839.54	2,561.41	278.14	10.209					
7,400.00	6,820.93	6,800.07	6,799.93	45.77	235.67	22.06	-2,342.78	-1,826.73	2,801.98	2,522.78	279.20	10.036					
7,450.00	6,849.55	6,828.55	6,828.55	45.89	236.66	20.58	-2,342.78	-1,826.73	2,761.98	2,481.82	280.15	9.859					
7,500.00	6,875.17	6,854.17	6,854.17	46.02	237.56	19.24	-2,342.78	-1,826.73	2,719.78	2,438.77	281.00	9.679					
7,550.00	6,897.64	6,876.64	6,876.64	46.17	238.34	17.97	-2,342.78	-1,826.73	2,675.63	2,393.88	281.74	9.497					
7,600.00	6,916.82	6,904.18	6,895.82	46.35	239.30	16.63	-2,342.78	-1,826.73	2,629.79	2,347.13	282.66	9.304					
7,650.00	6,932.60	6,911.60	6,911.60	46.55	239.56	15.01	-2,342.78	-1,826.73	2,582.55	2,299.67	282.88	9.129					
7,700.00	6,944.86	6,923.86	6,923.86	46.78	239.99	12.62	-2,342.78	-1,826.73	2,534.18	2,250.90	283.28	8.946					
7,750.00	6,953.55	6,932.55	6,932.55	47.04	240.29	7.91	-2,342.78	-1,826.73	2,484.98	2,201.41	283.57	8.763					
7,800.00	6,958.59	6,937.59	6,937.59	47.33	240.47	-7.66	-2,342.78	-1,826.73	2,435.25	2,151.51	283.74	8.583					
7,842.10	6,960.00	6,939.00	6,939.00	47.60	240.52	-85.54	-2,342.78	-1,826.73	2,393.19	2,109.40	283.79	8.433					
7,900.00	6,960.15	6,939.15	6,939.15	48.01	240.52	-85.64	-2,342.78	-1,826.73	2,335.32	2,051.51	283.81	8.229					
8,000.00	6,960.40	6,939.40	6,939.40	48.86	240.53	-85.83	-2,342.78	-1,826.73	2,235.38	1,951.54	283.84	7.875					
8,100.00	6,960.65	6,939.65	6,939.65	49.87	240.54	-86.02	-2,342.78	-1,826.73	2,135.44	1,851.56	283.88	7.522					
8,200.00	6,960.91	6,939.91	6,939.91	51.06	240.55	-86.20	-2,342.78	-1,826.73	2,035.51	1,751.59	283.92	7.169					
8,300.00	6,961.16	6,940.16	6,940.16	52.41	240.56	-86.39	-2,342.78	-1,826.73	1,935.59	1,651.62	283.97	6.816					
8,400.00	6,961.41	6,940.41	6,940.41	53.93	240.57	-86.58	-2,342.78	-1,826.73	1,835.67	1,551.65	284.02	6.463					
8,500.00	6,961.66	6,940.66	6,940.66	55.59	240.58	-86.76	-2,342.78	-1,826.73	1,735.76	1,451.68	284.08	6.110					

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MICHAEL I #14-2 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,940.91	6,940.91	57.37	240.58	-86.95	-2,342.78	-1,826.73	1,635.87	1,351.72	284.15	5.757		
8,700.00	6,962.16	6,941.16	6,941.16	59.27	240.59	-87.13	-2,342.78	-1,826.73	1,535.99	1,251.77	284.22	5.404		
8,800.00	6,962.42	6,941.42	6,941.42	61.26	240.60	-87.32	-2,342.78	-1,826.73	1,436.12	1,151.81	284.31	5.051		
8,900.00	6,962.67	6,941.67	6,941.67	63.34	240.61	-87.51	-2,342.78	-1,826.73	1,336.28	1,051.87	284.41	4.698		
9,000.00	6,962.92	6,941.92	6,941.92	65.49	240.62	-87.69	-2,342.78	-1,826.73	1,236.46	951.93	284.53	4.346		
9,100.00	6,963.17	6,942.17	6,942.17	67.70	240.63	-87.88	-2,342.78	-1,826.73	1,136.67	852.00	284.67	3.993		
9,200.00	6,963.42	6,942.42	6,942.42	69.97	240.64	-88.07	-2,342.78	-1,826.73	1,036.93	752.09	284.84	3.640		
9,300.00	6,963.68	6,942.68	6,942.68	72.28	240.65	-88.25	-2,342.78	-1,826.73	937.23	652.18	285.05	3.288		
9,400.00	6,963.93	6,942.93	6,942.93	74.64	240.65	-88.44	-2,342.78	-1,826.73	837.61	552.29	285.33	2.936		
9,500.00	6,964.18	6,943.18	6,943.18	77.04	240.66	-88.63	-2,342.78	-1,826.73	738.10	452.41	285.69	2.584		
9,600.00	6,964.43	6,943.43	6,943.43	79.48	240.67	-88.81	-2,342.78	-1,826.73	638.73	352.54	286.19	2.232		
9,700.00	6,964.68	6,943.68	6,943.68	81.94	240.68	-89.00	-2,342.78	-1,826.73	539.60	252.68	286.92	1.881		
9,800.00	6,964.94	6,943.94	6,943.94	84.43	240.69	-89.19	-2,342.78	-1,826.73	440.86	152.79	288.07	1.530		
9,900.00	6,965.19	6,944.19	6,944.19	86.95	240.70	-89.38	-2,342.78	-1,826.73	342.85	52.75	290.10	1.182 Level 2		
10,000.00	6,965.44	6,944.44	6,944.44	89.49	240.71	-89.56	-2,342.78	-1,826.73	246.45	-47.80	294.25	0.838 Level 1		
10,100.00	6,965.69	6,944.69	6,944.69	92.05	240.72	-89.75	-2,342.78	-1,826.73	154.69	-150.05	304.74	0.508 Level 1		
10,200.00	6,965.94	6,944.94	6,944.94	94.63	240.73	-89.94	-2,342.78	-1,826.73	84.37	-247.29	331.66	0.254 Level 1		
10,234.05	6,966.03	6,945.03	6,945.03	95.51	240.73	-90.00	-2,342.78	-1,826.73	77.19	-258.66	335.86	0.230 Level 1, CC, ES, SF		
10,300.00	6,966.19	6,945.19	6,945.19	97.22	240.73	-90.12	-2,342.78	-1,826.73	101.53	-213.28	314.81	0.323 Level 1		
10,400.00	6,966.45	6,945.45	6,945.45	99.83	240.74	-90.31	-2,342.78	-1,826.73	183.02	-109.92	292.94	0.625 Level 1		
10,500.00	6,966.70	6,945.70	6,945.70	102.46	240.75	-90.50	-2,342.78	-1,826.73	276.92	-9.94	286.87	0.965 Level 1		
10,600.00	6,966.95	6,945.95	6,945.95	105.09	240.76	-90.68	-2,342.78	-1,826.73	374.00	89.13	284.87	1.313 Level 3		
10,700.00	6,967.20	6,946.20	6,946.20	107.74	240.77	-90.87	-2,342.78	-1,826.73	472.30	188.22	284.08	1.663		
10,800.00	6,967.45	6,946.45	6,946.45	110.41	240.78	-91.06	-2,342.78	-1,826.73	571.19	287.44	283.75	2.013		
10,900.00	6,967.71	6,946.71	6,946.71	113.08	240.79	-91.24	-2,342.78	-1,826.73	670.41	386.81	283.60	2.364		
11,000.00	6,967.96	6,946.96	6,946.96	115.76	240.80	-91.43	-2,342.78	-1,826.73	769.83	486.28	283.54	2.715		
11,100.00	6,968.21	6,947.21	6,947.21	118.45	240.80	-91.62	-2,342.78	-1,826.73	869.38	585.84	283.54	3.066		
11,200.00	6,968.46	6,947.46	6,947.46	121.15	240.81	-91.81	-2,342.78	-1,826.73	969.02	685.47	283.55	3.417		
11,300.00	6,968.71	6,947.71	6,947.71	123.85	240.82	-91.99	-2,342.78	-1,826.73	1,068.74	785.15	283.58	3.769		
11,400.00	6,968.97	6,947.97	6,947.97	126.56	240.83	-92.18	-2,342.78	-1,826.73	1,168.50	884.87	283.62	4.120		
11,500.00	6,969.22	6,948.22	6,948.22	129.28	240.84	-92.37	-2,342.78	-1,826.73	1,268.30	984.63	283.67	4.471		
11,600.00	6,969.47	6,948.47	6,948.47	132.01	240.85	-92.55	-2,342.78	-1,826.73	1,368.12	1,084.40	283.72	4.822		
11,700.00	6,969.72	6,948.72	6,948.72	134.74	240.86	-92.74	-2,342.78	-1,826.73	1,467.97	1,184.20	283.77	5.173		
11,800.00	6,969.97	6,948.97	6,948.97	137.48	240.87	-92.92	-2,342.78	-1,826.73	1,567.84	1,284.02	283.82	5.524		
11,900.00	6,970.22	6,949.22	6,949.22	140.22	240.87	-93.11	-2,342.78	-1,826.73	1,667.73	1,383.86	283.87	5.875		
12,000.00	6,970.48	6,949.48	6,949.48	142.97	240.88	-93.30	-2,342.78	-1,826.73	1,767.63	1,483.70	283.93	6.226		
12,100.00	6,970.73	6,949.73	6,949.73	145.72	240.89	-93.48	-2,342.78	-1,826.73	1,867.54	1,583.56	283.98	6.576		
12,200.00	6,970.98	6,949.98	6,949.98	148.47	240.90	-93.67	-2,342.78	-1,826.73	1,967.46	1,683.42	284.04	6.927		
12,300.00	6,971.23	6,950.23	6,950.23	151.23	240.91	-93.86	-2,342.78	-1,826.73	2,067.38	1,783.29	284.09	7.277		
12,400.00	6,971.48	6,950.48	6,950.48	154.00	240.92	-94.04	-2,342.78	-1,826.73	2,167.32	1,883.17	284.15	7.627		
12,500.00	6,971.74	6,950.74	6,950.74	156.76	240.93	-94.23	-2,342.78	-1,826.73	2,267.26	1,983.05	284.20	7.978		
12,600.00	6,971.99	6,950.99	6,950.99	159.53	240.94	-94.41	-2,342.78	-1,826.73	2,367.20	2,082.94	284.26	8.328		
12,700.00	6,972.24	6,951.24	6,951.24	162.31	240.95	-94.60	-2,342.78	-1,826.73	2,467.15	2,182.84	284.31	8.678		
12,800.00	6,972.49	6,951.49	6,951.49	165.09	240.95	-94.79	-2,342.78	-1,826.73	2,567.10	2,282.73	284.37	9.027		
12,900.00	6,972.74	6,951.74	6,951.74	167.86	240.96	-94.97	-2,342.78	-1,826.73	2,667.06	2,382.63	284.42	9.377		
13,002.01	6,973.00	6,952.00	6,952.00	170.70	240.97	-95.16	-2,342.78	-1,826.73	2,769.03	2,484.54	284.48	9.734		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	17.00	17.00	3.28	3.29	-85.98	485.85	-6,911.18	6,928.24					
100.00	100.00	117.00	117.00	3.28	4.03	-85.98	485.85	-6,911.18	6,928.24	6,920.93	7.31	947.356		
200.00	200.00	217.00	217.00	3.34	6.69	-85.98	485.85	-6,911.18	6,928.24	6,918.22	10.03	691.003		
300.00	300.00	317.00	317.00	3.44	9.88	-85.98	485.85	-6,911.18	6,928.24	6,914.92	13.33	519.898		
400.00	399.98	416.98	416.98	3.60	13.22	124.62	485.85	-6,911.18	6,929.23	6,912.41	16.82	411.954		
500.00	499.84	516.84	516.84	3.79	16.62	124.60	485.85	-6,911.18	6,932.21	6,911.80	20.41	339.640		
600.00	599.45	616.45	616.45	4.02	20.05	124.58	485.85	-6,911.18	6,937.17	6,913.11	24.06	288.280		
700.00	698.70	715.70	715.70	4.29	23.47	124.55	485.85	-6,911.18	6,944.12	6,916.36	27.76	250.153		
800.00	797.47	814.47	814.47	4.60	26.89	124.51	485.85	-6,911.18	6,953.06	6,921.58	31.48	220.852		
900.00	895.62	912.62	912.62	4.94	30.29	124.45	485.85	-6,911.18	6,964.00	6,928.78	35.22	197.706		
1,000.00	993.06	1,010.06	1,010.06	5.31	33.68	124.39	485.85	-6,911.18	6,976.94	6,937.97	38.97	179.011		
1,100.00	1,089.64	1,106.64	1,106.64	5.72	37.03	124.31	485.85	-6,911.18	6,991.89	6,949.16	42.73	163.632		
1,200.00	1,185.27	1,202.27	1,202.27	6.17	40.36	124.22	485.85	-6,911.18	7,008.85	6,962.37	46.48	150.786		
1,300.00	1,279.82	1,303.18	1,303.18	6.65	43.87	124.11	485.85	-6,911.18	7,027.84	6,977.39	50.45	139.302		
1,400.00	1,373.17	1,409.83	1,390.17	7.17	47.58	123.98	485.85	-6,911.18	7,048.85	6,994.20	54.65	128.983		
1,479.95	1,446.87	1,463.87	1,463.87	7.61	49.47	123.87	485.85	-6,911.18	7,067.11	7,010.17	56.94	124.110		
1,500.00	1,465.24	1,482.24	1,482.24	7.72	50.11	123.92	485.85	-6,911.18	7,071.86	7,014.17	57.69	122.587		
1,600.00	1,556.88	1,573.88	1,573.88	8.31	53.30	124.17	485.85	-6,911.18	7,095.61	7,034.20	61.41	115.537		
1,700.00	1,648.52	1,665.52	1,665.52	8.92	56.49	124.42	485.85	-6,911.18	7,119.52	7,054.36	65.16	109.269		
1,800.00	1,740.15	1,757.15	1,757.15	9.54	59.69	124.67	485.85	-6,911.18	7,143.57	7,074.66	68.91	103.665		
1,900.00	1,831.79	1,848.79	1,848.79	10.17	62.88	124.92	485.85	-6,911.18	7,167.76	7,095.08	72.67	98.629		
2,000.00	1,923.43	1,940.43	1,940.43	10.81	66.08	125.17	485.85	-6,911.18	7,192.09	7,115.64	76.45	94.081		
2,100.00	2,015.06	2,032.06	2,032.06	11.46	69.27	125.42	485.85	-6,911.18	7,216.56	7,136.34	80.22	89.954		
2,200.00	2,106.70	2,123.70	2,123.70	12.11	72.47	125.66	485.85	-6,911.18	7,241.17	7,157.17	84.01	86.196		
2,300.00	2,198.34	2,215.34	2,215.34	12.78	75.66	125.90	485.85	-6,911.18	7,265.92	7,178.13	87.80	82.758		
2,400.00	2,289.98	2,306.98	2,306.98	13.44	78.86	126.14	485.85	-6,911.18	7,290.81	7,199.22	91.59	79.604		
2,500.00	2,381.61	2,401.39	2,398.61	14.11	82.15	126.38	485.85	-6,911.18	7,315.83	7,220.35	95.48	76.621		
2,600.00	2,473.25	2,509.75	2,490.25	14.79	85.93	126.62	485.85	-6,911.18	7,340.98	7,241.12	99.86	73.512		
2,700.00	2,564.89	2,581.89	2,581.89	15.47	88.45	126.86	485.85	-6,911.18	7,366.26	7,263.28	102.98	71.532		
2,800.00	2,656.52	2,673.52	2,673.52	16.15	91.65	127.09	485.85	-6,911.18	7,391.68	7,284.90	106.78	69.224		
2,900.00	2,748.16	2,765.16	2,765.16	16.83	94.84	127.33	485.85	-6,911.18	7,417.22	7,306.64	110.58	67.075		
3,000.00	2,839.80	2,856.80	2,856.80	17.52	98.04	127.56	485.85	-6,911.18	7,442.89	7,328.51	114.38	65.070		
3,100.00	2,931.43	2,948.43	2,948.43	18.20	101.24	127.79	485.85	-6,911.18	7,468.69	7,350.50	118.18	63.195		
3,200.00	3,023.07	3,040.07	3,040.07	18.89	104.44	128.02	485.85	-6,911.18	7,494.61	7,372.62	121.99	61.437		
3,300.00	3,114.71	3,131.71	3,131.71	19.58	107.63	128.25	485.85	-6,911.18	7,520.65	7,394.86	125.79	59.787		
3,400.00	3,206.35	3,223.35	3,223.35	20.27	110.83	128.47	485.85	-6,911.18	7,546.82	7,417.23	129.59	58.234		
3,500.00	3,297.98	3,314.98	3,314.98	20.97	114.03	128.70	485.85	-6,911.18	7,573.11	7,439.71	133.40	56.771		
3,600.00	3,389.62	3,406.62	3,406.62	21.66	117.23	128.92	485.85	-6,911.18	7,599.52	7,462.32	137.20	55.390		
3,700.00	3,481.26	3,501.74	3,498.26	22.36	120.55	129.15	485.85	-6,911.18	7,626.05	7,484.92	141.12	54.038		
3,800.00	3,572.89	3,589.89	3,589.89	23.05	123.62	129.37	485.85	-6,911.18	7,652.69	7,507.89	144.81	52.848		
3,900.00	3,664.53	3,681.53	3,681.53	23.75	126.82	129.59	485.85	-6,911.18	7,679.46	7,530.85	148.61	51.676		
4,000.00	3,756.17	3,773.17	3,773.17	24.45	130.02	129.81	485.85	-6,911.18	7,706.33	7,553.92	152.41	50.564		
4,100.00	3,847.80	3,864.80	3,864.80	25.14	133.22	130.02	485.85	-6,911.18	7,733.32	7,577.11	156.21	49.506		
4,200.00	3,939.44	3,956.44	3,956.44	25.84	136.41	130.24	485.85	-6,911.18	7,760.43	7,600.42	160.01	48.500		
4,300.00	4,031.08	4,048.08	4,048.08	26.54	139.61	130.45	485.85	-6,911.18	7,787.64	7,623.83	163.81	47.541		
4,400.00	4,122.72	4,139.72	4,139.72	27.24	142.81	130.66	485.85	-6,911.18	7,814.97	7,647.36	167.61	46.626		
4,500.00	4,214.35	4,231.35	4,231.35	27.94	146.01	130.88	485.85	-6,911.18	7,842.40	7,670.99	171.41	45.753		
4,600.00	4,305.99	4,322.99	4,322.99	28.64	149.21	131.09	485.85	-6,911.18	7,869.94	7,694.74	175.20	44.919		
4,700.00	4,397.63	4,414.63	4,414.63	29.35	152.40	131.29	485.85	-6,911.18	7,897.59	7,718.59	179.00	44.121		
4,800.00	4,489.26	4,506.26	4,506.26	30.05	155.60	131.50	485.85	-6,911.18	7,925.35	7,742.55	182.80	43.356		
4,900.00	4,580.90	4,602.10	4,597.90	30.75	158.95	131.71	485.85	-6,911.18	7,953.21	7,766.47	186.74	42.590		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,689.54	4,689.54	31.45	162.00	131.91	485.85	-6,911.18	7,981.17	7,790.78	190.39	41.921		
5,100.00	4,764.17	4,781.17	4,781.17	32.16	165.20	132.12	485.85	-6,911.18	8,009.23	7,815.06	194.18	41.247		
5,200.00	4,855.81	4,872.81	4,872.81	32.86	168.40	132.32	485.85	-6,911.18	8,037.40	7,839.43	197.97	40.599		
5,300.00	4,947.45	4,964.45	4,964.45	33.56	171.60	132.52	485.85	-6,911.18	8,065.67	7,863.90	201.76	39.976		
5,400.00	5,039.08	5,056.08	5,056.08	34.27	174.79	132.72	485.85	-6,911.18	8,094.03	7,888.48	205.55	39.377		
5,500.00	5,130.72	5,147.72	5,147.72	34.97	177.99	132.92	485.85	-6,911.18	8,122.50	7,913.16	209.34	38.800		
5,600.00	5,222.36	5,239.36	5,239.36	35.68	181.19	133.11	485.85	-6,911.18	8,151.06	7,937.93	213.13	38.244		
5,700.00	5,314.00	5,331.00	5,331.00	36.38	184.39	133.31	485.85	-6,911.18	8,179.72	7,962.80	216.92	37.708		
5,800.00	5,405.63	5,422.63	5,422.63	37.08	187.59	133.51	485.85	-6,911.18	8,208.47	7,987.76	220.71	37.191		
5,900.00	5,497.27	5,514.27	5,514.27	37.79	190.79	133.70	485.85	-6,911.18	8,237.32	8,012.82	224.50	36.693		
6,000.00	5,588.91	5,605.91	5,605.91	38.50	193.98	133.89	485.85	-6,911.18	8,266.26	8,037.98	228.28	36.211		
6,100.00	5,680.54	5,702.46	5,697.54	39.20	197.35	134.08	485.85	-6,911.18	8,295.29	8,063.06	232.24	35.719		
6,200.00	5,772.18	5,789.18	5,789.18	39.91	200.38	134.27	485.85	-6,911.18	8,324.42	8,088.57	235.85	35.295		
6,300.00	5,863.82	5,880.82	5,880.82	40.61	203.58	134.46	485.85	-6,911.18	8,353.63	8,114.00	239.63	34.860		
6,400.00	5,955.45	5,972.45	5,972.45	41.32	206.78	134.65	485.85	-6,911.18	8,382.94	8,139.52	243.42	34.439		
6,500.00	6,047.09	6,064.09	6,064.09	42.02	209.98	134.83	485.85	-6,911.18	8,412.33	8,165.13	247.20	34.031		
6,600.00	6,138.73	6,155.73	6,155.73	42.73	213.18	135.02	485.85	-6,911.18	8,441.81	8,190.83	250.98	33.636		
6,700.00	6,230.37	6,247.37	6,247.37	43.44	216.38	135.20	485.85	-6,911.18	8,471.38	8,216.62	254.76	33.253		
6,712.03	6,241.39	6,258.39	6,258.39	43.52	216.76	135.22	485.85	-6,911.18	8,474.94	8,219.73	255.21	33.207		
6,750.00	6,276.38	6,306.62	6,293.38	43.78	218.44	127.68	485.85	-6,911.18	8,485.15	8,228.04	257.11	33.002		
6,800.00	6,322.91	6,339.91	6,339.91	44.09	219.61	116.52	485.85	-6,911.18	8,495.39	8,236.85	258.55	32.858		
6,850.00	6,369.70	6,386.70	6,386.70	44.36	221.24	104.58	485.85	-6,911.18	8,501.95	8,241.51	260.44	32.645		
6,900.00	6,416.45	6,433.45	6,433.45	44.59	222.87	92.88	485.85	-6,911.18	8,504.79	8,242.49	262.30	32.424		
6,950.00	6,462.87	6,479.87	6,479.87	44.79	224.49	82.36	485.85	-6,911.18	8,503.89	8,239.78	264.12	32.198		
7,000.00	6,508.69	6,525.69	6,525.69	44.95	226.09	73.55	485.85	-6,911.18	8,499.28	8,233.40	265.88	31.967		
7,050.00	6,553.61	6,570.61	6,570.61	45.09	227.66	66.50	485.85	-6,911.18	8,490.98	8,223.41	267.57	31.734		
7,100.00	6,597.37	6,614.37	6,614.37	45.20	229.19	61.04	485.85	-6,911.18	8,479.05	8,209.86	269.19	31.499		
7,150.00	6,639.68	6,656.68	6,656.68	45.30	230.66	56.89	485.85	-6,911.18	8,463.57	8,192.85	270.72	31.263		
7,200.00	6,680.29	6,702.71	6,697.29	45.39	232.27	53.82	485.85	-6,911.18	8,444.64	8,172.28	272.35	31.006		
7,250.00	6,718.96	6,735.96	6,735.96	45.48	233.43	51.65	485.85	-6,911.18	8,422.37	8,148.86	273.51	30.793		
7,300.00	6,755.43	6,772.43	6,772.43	45.57	234.70	50.24	485.85	-6,911.18	8,396.92	8,122.16	274.76	30.561		
7,350.00	6,789.49	6,806.49	6,806.49	45.67	235.89	49.52	485.85	-6,911.18	8,368.44	8,092.53	275.91	30.330		
7,400.00	6,820.93	6,837.93	6,837.93	45.77	236.99	49.43	485.85	-6,911.18	8,337.10	8,060.15	276.96	30.103		
7,450.00	6,849.55	6,866.55	6,866.55	45.89	237.99	49.97	485.85	-6,911.18	8,303.10	8,025.21	277.89	29.879		
7,500.00	6,875.17	6,907.83	6,892.17	46.02	239.43	51.17	485.85	-6,911.18	8,266.65	7,987.38	279.27	29.601		
7,550.00	6,897.64	6,914.64	6,914.64	46.17	239.67	53.12	485.85	-6,911.18	8,227.96	7,948.52	279.44	29.444		
7,600.00	6,916.82	6,933.82	6,933.82	46.35	240.34	55.93	485.85	-6,911.18	8,187.28	7,907.23	280.05	29.235		
7,650.00	6,932.60	6,949.60	6,949.60	46.55	240.89	59.81	485.85	-6,911.18	8,144.85	7,864.30	280.55	29.032		
7,700.00	6,944.86	6,961.86	6,961.86	46.78	241.32	65.00	485.85	-6,911.18	8,100.92	7,819.98	280.94	28.835		
7,750.00	6,953.55	6,970.55	6,970.55	47.04	241.62	71.83	485.85	-6,911.18	8,055.76	7,774.55	281.21	28.646		
7,800.00	6,958.59	6,975.59	6,975.59	47.33	241.80	80.60	485.85	-6,911.18	8,009.65	7,728.27	281.38	28.466		
7,842.10	6,960.00	6,977.00	6,977.00	47.60	241.84	89.60	485.85	-6,911.18	7,970.29	7,688.86	281.43	28.320		
7,900.00	6,960.15	6,977.15	6,977.15	48.01	241.85	89.61	485.85	-6,911.18	7,915.91	7,634.46	281.45	28.125		
8,000.00	6,960.40	6,977.40	6,977.40	48.86	241.86	89.61	485.85	-6,911.18	7,822.13	7,540.61	281.52	27.786		
8,100.00	6,960.65	6,977.65	6,977.65	49.87	241.87	89.62	485.85	-6,911.18	7,728.50	7,446.89	281.61	27.444		
8,200.00	6,960.91	6,977.91	6,977.91	51.06	241.88	89.62	485.85	-6,911.18	7,635.03	7,353.29	281.74	27.100		
8,300.00	6,961.16	6,978.16	6,978.16	52.41	241.88	89.63	485.85	-6,911.18	7,541.73	7,259.82	281.91	26.753		
8,400.00	6,961.41	6,978.41	6,978.41	53.93	241.89	89.63	485.85	-6,911.18	7,448.60	7,166.49	282.11	26.403		
8,500.00	6,961.66	6,978.66	6,978.66	55.59	241.90	89.64	485.85	-6,911.18	7,355.65	7,073.29	282.36	26.051		
8,600.00	6,961.91	6,978.91	6,978.91	57.37	241.91	89.64	485.85	-6,911.18	7,262.89	6,980.24	282.65	25.696		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-33(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,979.16	6,979.16	59.27	241.92	89.65	485.85	-6,911.18	7,170.33	6,887.34	282.99	25.338		
8,800.00	6,962.42	6,979.42	6,979.42	61.26	241.93	89.65	485.85	-6,911.18	7,077.97	6,794.59	283.38	24.977		
8,900.00	6,962.67	6,979.67	6,979.67	63.34	241.94	89.66	485.85	-6,911.18	6,985.82	6,702.00	283.81	24.614		
9,000.00	6,962.92	6,979.92	6,979.92	65.49	241.95	89.67	485.85	-6,911.18	6,893.88	6,609.58	284.30	24.248		
9,100.00	6,963.17	6,980.17	6,980.17	67.70	241.96	89.67	485.85	-6,911.18	6,802.18	6,517.33	284.85	23.880		
9,200.00	6,963.42	6,980.42	6,980.42	69.97	241.96	89.68	485.85	-6,911.18	6,710.71	6,425.26	285.45	23.509		
9,300.00	6,963.68	6,980.68	6,980.68	72.28	241.97	89.68	485.85	-6,911.18	6,619.49	6,333.37	286.12	23.136		
9,400.00	6,963.93	6,980.93	6,980.93	74.64	241.98	89.69	485.85	-6,911.18	6,528.52	6,241.68	286.84	22.760		
9,500.00	6,964.18	6,981.18	6,981.18	77.04	241.99	89.69	485.85	-6,911.18	6,437.83	6,150.20	287.63	22.382		
9,600.00	6,964.43	6,981.43	6,981.43	79.48	242.00	89.70	485.85	-6,911.18	6,347.41	6,058.93	288.48	22.003		
9,700.00	6,964.68	6,981.68	6,981.68	81.94	242.01	89.70	485.85	-6,911.18	6,257.28	5,967.88	289.40	21.621		
9,800.00	6,964.94	6,981.94	6,981.94	84.43	242.02	89.71	485.85	-6,911.18	6,167.46	5,877.06	290.40	21.238		
9,900.00	6,965.19	6,982.19	6,982.19	86.95	242.03	89.71	485.85	-6,911.18	6,077.96	5,786.50	291.46	20.853		
10,000.00	6,965.44	6,982.44	6,982.44	89.49	242.03	89.72	485.85	-6,911.18	5,988.79	5,696.19	292.60	20.468		
10,100.00	6,965.69	6,982.69	6,982.69	92.05	242.04	89.72	485.85	-6,911.18	5,899.96	5,606.15	293.81	20.081		
10,200.00	6,965.94	6,982.94	6,982.94	94.63	242.05	89.73	485.85	-6,911.18	5,811.50	5,516.40	295.10	19.693		
10,300.00	6,966.19	6,983.19	6,983.19	97.22	242.06	89.73	485.85	-6,911.18	5,723.42	5,426.95	296.47	19.305		
10,400.00	6,966.45	6,983.45	6,983.45	99.83	242.07	89.74	485.85	-6,911.18	5,635.74	5,337.81	297.92	18.917		
10,500.00	6,966.70	6,983.70	6,983.70	102.46	242.08	89.74	485.85	-6,911.18	5,548.47	5,249.01	299.46	18.528		
10,600.00	6,966.95	6,983.95	6,983.95	105.09	242.09	89.75	485.85	-6,911.18	5,461.64	5,160.56	301.08	18.140		
10,700.00	6,967.20	6,984.20	6,984.20	107.74	242.10	89.76	485.85	-6,911.18	5,375.27	5,072.48	302.79	17.753		
10,800.00	6,967.45	6,984.45	6,984.45	110.41	242.10	89.76	485.85	-6,911.18	5,289.38	4,984.79	304.58	17.366		
10,900.00	6,967.71	6,984.71	6,984.71	113.08	242.11	89.77	485.85	-6,911.18	5,203.99	4,897.52	306.47	16.980		
11,000.00	6,967.96	6,984.96	6,984.96	115.76	242.12	89.77	485.85	-6,911.18	5,119.13	4,810.68	308.45	16.596		
11,100.00	6,968.21	6,985.21	6,985.21	118.45	242.13	89.78	485.85	-6,911.18	5,034.83	4,724.29	310.53	16.213		
11,200.00	6,968.46	6,985.46	6,985.46	121.15	242.14	89.78	485.85	-6,911.18	4,951.11	4,638.40	312.71	15.833		
11,300.00	6,968.71	6,985.71	6,985.71	123.85	242.15	89.79	485.85	-6,911.18	4,868.00	4,553.02	314.99	15.455		
11,400.00	6,968.97	6,985.97	6,985.97	126.56	242.16	89.79	485.85	-6,911.18	4,785.55	4,468.18	317.37	15.079		
11,500.00	6,969.22	6,986.22	6,986.22	129.28	242.17	89.80	485.85	-6,911.18	4,703.77	4,383.92	319.85	14.706		
11,600.00	6,969.47	6,986.47	6,986.47	132.01	242.17	89.80	485.85	-6,911.18	4,622.71	4,300.27	322.44	14.337		
11,700.00	6,969.72	6,986.72	6,986.72	134.74	242.18	89.81	485.85	-6,911.18	4,542.40	4,217.26	325.14	13.971		
11,800.00	6,969.97	6,986.97	6,986.97	137.48	242.19	89.81	485.85	-6,911.18	4,462.89	4,134.94	327.95	13.608		
11,900.00	6,970.22	6,987.22	6,987.22	140.22	242.20	89.82	485.85	-6,911.18	4,384.22	4,053.34	330.88	13.250		
12,000.00	6,970.48	6,987.48	6,987.48	142.97	242.21	89.82	485.85	-6,911.18	4,306.44	3,972.51	333.93	12.896		
12,100.00	6,970.73	6,987.73	6,987.73	145.72	242.22	89.83	485.85	-6,911.18	4,229.59	3,892.50	337.09	12.547		
12,200.00	6,970.98	6,987.98	6,987.98	148.47	242.23	89.83	485.85	-6,911.18	4,153.72	3,813.35	340.37	12.204		
12,300.00	6,971.23	6,988.23	6,988.23	151.23	242.24	89.84	485.85	-6,911.18	4,078.89	3,735.12	343.78	11.865		
12,400.00	6,971.48	6,988.48	6,988.48	154.00	242.25	89.85	485.85	-6,911.18	4,005.17	3,657.86	347.30	11.532		
12,500.00	6,971.74	6,988.74	6,988.74	156.76	242.25	89.85	485.85	-6,911.18	3,932.60	3,581.65	350.96	11.205		
12,600.00	6,971.99	6,988.99	6,988.99	159.53	242.26	89.86	485.85	-6,911.18	3,861.26	3,506.53	354.74	10.885		
12,700.00	6,972.24	6,989.24	6,989.24	162.31	242.27	89.86	485.85	-6,911.18	3,791.22	3,432.58	358.64	10.571		
12,800.00	6,972.49	6,989.49	6,989.49	165.09	242.28	89.87	485.85	-6,911.18	3,722.54	3,359.87	362.67	10.264		
12,900.00	6,972.74	6,989.74	6,989.74	167.86	242.29	89.87	485.85	-6,911.18	3,655.31	3,288.49	366.82	9.965		
13,002.01	6,973.00	7,010.00	6,990.00	170.70	243.00	89.88	485.85	-6,911.18	3,588.31	3,216.42	371.88	9.649 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	4.00	3.28	3.28	-99.45	-1,209.89	-7,268.76	7,368.76					
100.00	100.00	104.00	104.00	3.28	3.78	-99.45	-1,209.89	-7,268.76	7,368.76	7,361.69	7.07	1,042.577		
200.00	200.00	204.00	204.00	3.34	6.30	-99.45	-1,209.89	-7,268.76	7,368.76	7,359.13	9.63	764.811		
300.00	300.00	304.00	304.00	3.44	9.45	-99.45	-1,209.89	-7,268.76	7,368.76	7,355.86	12.90	571.255		
400.00	399.98	403.98	403.98	3.60	12.79	111.15	-1,209.89	-7,268.76	7,369.39	7,353.01	16.38	449.870		
500.00	499.84	503.84	503.84	3.79	16.18	111.15	-1,209.89	-7,268.76	7,371.28	7,351.32	19.97	369.206		
600.00	599.45	603.45	603.45	4.02	19.60	111.16	-1,209.89	-7,268.76	7,374.44	7,350.82	23.62	312.270		
700.00	698.70	702.70	702.70	4.29	23.02	111.16	-1,209.89	-7,268.76	7,378.87	7,351.56	27.31	270.194		
800.00	797.47	801.47	801.47	4.60	26.44	111.17	-1,209.89	-7,268.76	7,384.58	7,353.54	31.03	237.958		
900.00	895.62	900.38	899.62	4.94	29.87	111.17	-1,209.89	-7,268.76	7,391.58	7,356.78	34.80	212.387		
1,000.00	993.06	1,002.94	997.06	5.31	33.43	111.18	-1,209.89	-7,268.76	7,399.89	7,361.15	38.74	191.033		
1,100.00	1,089.64	1,106.36	1,093.64	5.72	37.02	111.18	-1,209.89	-7,268.76	7,409.53	7,366.79	42.74	173.381		
1,200.00	1,185.27	1,189.27	1,189.27	6.17	39.91	111.17	-1,209.89	-7,268.76	7,420.50	7,374.45	46.06	161.116		
1,300.00	1,279.82	1,283.82	1,283.82	6.65	43.20	111.16	-1,209.89	-7,268.76	7,432.84	7,383.03	49.82	149.199		
1,400.00	1,373.17	1,377.17	1,377.17	7.17	46.45	111.15	-1,209.89	-7,268.76	7,446.57	7,392.99	53.57	138.995		
1,479.95	1,446.87	1,450.87	1,450.87	7.61	49.01	111.13	-1,209.89	-7,268.76	7,458.55	7,401.98	56.57	131.844		
1,500.00	1,465.24	1,469.24	1,469.24	7.72	49.65	111.18	-1,209.89	-7,268.76	7,461.68	7,404.35	57.32	130.172		
1,600.00	1,556.88	1,560.88	1,560.88	8.31	52.85	111.45	-1,209.89	-7,268.76	7,477.36	7,416.28	61.08	122.421		
1,700.00	1,648.52	1,652.52	1,652.52	8.92	56.04	111.71	-1,209.89	-7,268.76	7,493.22	7,428.37	64.85	115.542		
1,800.00	1,740.15	1,744.15	1,744.15	9.54	59.23	111.98	-1,209.89	-7,268.76	7,509.27	7,440.63	68.64	109.400		
1,900.00	1,831.79	1,835.79	1,835.79	10.17	62.43	112.24	-1,209.89	-7,268.76	7,525.49	7,453.05	72.44	103.888		
2,000.00	1,923.43	1,927.43	1,927.43	10.81	65.62	112.50	-1,209.89	-7,268.76	7,541.89	7,465.65	76.25	98.915		
2,100.00	2,015.06	2,019.06	2,019.06	11.46	68.82	112.76	-1,209.89	-7,268.76	7,558.47	7,478.41	80.06	94.410		
2,200.00	2,106.70	2,110.70	2,110.70	12.11	72.01	113.02	-1,209.89	-7,268.76	7,575.22	7,491.34	83.88	90.310		
2,300.00	2,198.34	2,202.34	2,202.34	12.78	75.21	113.28	-1,209.89	-7,268.76	7,592.15	7,504.45	87.71	86.564		
2,400.00	2,289.98	2,306.02	2,293.98	13.44	78.83	113.54	-1,209.89	-7,268.76	7,609.25	7,517.30	91.95	82.750		
2,500.00	2,381.61	2,385.61	2,385.61	14.11	81.60	113.79	-1,209.89	-7,268.76	7,626.52	7,531.16	95.37	79.971		
2,600.00	2,473.25	2,477.25	2,477.25	14.79	84.80	114.05	-1,209.89	-7,268.76	7,643.97	7,544.76	99.20	77.056		
2,700.00	2,564.89	2,568.89	2,568.89	15.47	88.00	114.30	-1,209.89	-7,268.76	7,661.58	7,558.54	103.04	74.357		
2,800.00	2,656.52	2,660.52	2,660.52	16.15	91.19	114.56	-1,209.89	-7,268.76	7,679.36	7,572.48	106.88	71.853		
2,900.00	2,748.16	2,752.16	2,752.16	16.83	94.39	114.81	-1,209.89	-7,268.76	7,697.30	7,586.59	110.71	69.524		
3,000.00	2,839.80	2,843.80	2,843.80	17.52	97.59	115.06	-1,209.89	-7,268.76	7,715.42	7,600.86	114.56	67.351		
3,100.00	2,931.43	2,935.43	2,935.43	18.20	100.78	115.31	-1,209.89	-7,268.76	7,733.70	7,615.30	118.40	65.320		
3,200.00	3,023.07	3,027.07	3,027.07	18.89	103.98	115.56	-1,209.89	-7,268.76	7,752.14	7,629.90	122.24	63.418		
3,300.00	3,114.71	3,118.71	3,118.71	19.58	107.18	115.81	-1,209.89	-7,268.76	7,770.74	7,644.66	126.08	61.634		
3,400.00	3,206.35	3,210.35	3,210.35	20.27	110.38	116.06	-1,209.89	-7,268.76	7,789.51	7,659.59	129.92	59.955		
3,500.00	3,297.98	3,301.98	3,301.98	20.97	113.57	116.30	-1,209.89	-7,268.76	7,808.43	7,674.67	133.76	58.375		
3,600.00	3,389.62	3,406.38	3,393.62	21.66	117.22	116.55	-1,209.89	-7,268.76	7,827.52	7,689.47	138.05	56.700		
3,700.00	3,481.26	3,485.26	3,485.26	22.36	119.97	116.79	-1,209.89	-7,268.76	7,846.76	7,705.31	141.45	55.475		
3,800.00	3,572.89	3,576.89	3,576.89	23.05	123.17	117.04	-1,209.89	-7,268.76	7,866.16	7,720.87	145.29	54.141		
3,900.00	3,664.53	3,668.53	3,668.53	23.75	126.37	117.28	-1,209.89	-7,268.76	7,885.71	7,736.58	149.13	52.878		
4,000.00	3,756.17	3,760.17	3,760.17	24.45	129.56	117.52	-1,209.89	-7,268.76	7,905.42	7,752.45	152.97	51.679		
4,100.00	3,847.80	3,851.80	3,851.80	25.14	132.76	117.76	-1,209.89	-7,268.76	7,925.29	7,768.48	156.81	50.541		
4,200.00	3,939.44	3,943.44	3,943.44	25.84	135.96	118.00	-1,209.89	-7,268.76	7,945.30	7,784.65	160.65	49.457		
4,300.00	4,031.08	4,035.08	4,035.08	26.54	139.16	118.24	-1,209.89	-7,268.76	7,965.47	7,800.98	164.49	48.426		
4,400.00	4,122.72	4,126.72	4,126.72	27.24	142.36	118.47	-1,209.89	-7,268.76	7,985.78	7,817.45	168.33	47.442		
4,500.00	4,214.35	4,218.35	4,218.35	27.94	145.55	118.71	-1,209.89	-7,268.76	8,006.24	7,834.08	172.16	46.504		
4,600.00	4,305.99	4,309.99	4,309.99	28.64	148.75	118.94	-1,209.89	-7,268.76	8,026.86	7,850.86	176.00	45.607		
4,700.00	4,397.63	4,401.63	4,401.63	29.35	151.95	119.18	-1,209.89	-7,268.76	8,047.61	7,867.78	179.84	44.750		
4,800.00	4,489.26	4,506.74	4,493.26	30.05	155.62	119.41	-1,209.89	-7,268.76	8,068.52	7,884.38	184.14	43.817		
4,900.00	4,580.90	4,584.90	4,584.90	30.75	158.35	119.64	-1,209.89	-7,268.76	8,089.56	7,902.06	187.50	43.144		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,676.54	4,676.54	31.45	161.55	119.87	-1,209.89	-7,268.76	8,110.75	7,919.42	191.34	42.390		
5,100.00	4,764.17	4,768.17	4,768.17	32.16	164.74	120.10	-1,209.89	-7,268.76	8,132.08	7,936.92	195.17	41.667		
5,200.00	4,855.81	4,859.81	4,859.81	32.86	167.94	120.33	-1,209.89	-7,268.76	8,153.56	7,954.56	199.00	40.973		
5,300.00	4,947.45	4,951.45	4,951.45	33.56	171.14	120.56	-1,209.89	-7,268.76	8,175.17	7,972.34	202.83	40.306		
5,400.00	5,039.08	5,043.08	5,043.08	34.27	174.34	120.78	-1,209.89	-7,268.76	8,196.92	7,990.26	206.66	39.664		
5,500.00	5,130.72	5,134.72	5,134.72	34.97	177.54	121.01	-1,209.89	-7,268.76	8,218.81	8,008.32	210.49	39.047		
5,600.00	5,222.36	5,226.36	5,226.36	35.68	180.74	121.23	-1,209.89	-7,268.76	8,240.83	8,026.52	214.31	38.452		
5,700.00	5,314.00	5,318.00	5,318.00	36.38	183.94	121.46	-1,209.89	-7,268.76	8,262.99	8,044.85	218.14	37.880		
5,800.00	5,405.63	5,409.63	5,409.63	37.08	187.13	121.68	-1,209.89	-7,268.76	8,285.29	8,063.32	221.96	37.327		
5,900.00	5,497.27	5,501.27	5,501.27	37.79	190.33	121.90	-1,209.89	-7,268.76	8,307.71	8,081.93	225.79	36.794		
6,000.00	5,588.91	5,607.09	5,592.91	38.50	194.03	122.12	-1,209.89	-7,268.76	8,330.27	8,100.17	230.11	36.202		
6,100.00	5,680.54	5,684.54	5,684.54	39.20	196.73	122.34	-1,209.89	-7,268.76	8,352.96	8,119.53	233.43	35.783		
6,200.00	5,772.18	5,776.18	5,776.18	39.91	199.93	122.55	-1,209.89	-7,268.76	8,375.78	8,138.53	237.25	35.303		
6,300.00	5,863.82	5,867.82	5,867.82	40.61	203.13	122.77	-1,209.89	-7,268.76	8,398.73	8,157.66	241.07	34.839		
6,400.00	5,955.45	5,959.45	5,959.45	41.32	206.33	122.99	-1,209.89	-7,268.76	8,421.81	8,176.92	244.89	34.390		
6,500.00	6,047.09	6,051.09	6,051.09	42.02	209.52	123.20	-1,209.89	-7,268.76	8,445.01	8,196.30	248.71	33.956		
6,600.00	6,138.73	6,142.73	6,142.73	42.73	212.72	123.42	-1,209.89	-7,268.76	8,468.34	8,215.81	252.52	33.535		
6,700.00	6,230.37	6,234.37	6,234.37	43.44	215.92	123.63	-1,209.89	-7,268.76	8,491.79	8,235.45	256.34	33.127		
6,712.03	6,241.39	6,245.39	6,245.39	43.52	216.31	123.65	-1,209.89	-7,268.76	8,494.62	8,237.82	256.80	33.079		
6,750.00	6,276.38	6,280.38	6,280.38	43.78	217.53	116.33	-1,209.89	-7,268.76	8,502.46	8,244.21	258.25	32.924		
6,800.00	6,322.91	6,326.91	6,326.91	44.09	219.15	105.39	-1,209.89	-7,268.76	8,509.43	8,249.27	260.16	32.709		
6,850.00	6,369.70	6,373.70	6,373.70	44.36	220.79	93.59	-1,209.89	-7,268.76	8,512.54	8,250.49	262.05	32.484		
6,900.00	6,416.45	6,420.45	6,420.45	44.59	222.42	81.97	-1,209.89	-7,268.76	8,511.78	8,247.86	263.91	32.252		
6,950.00	6,462.87	6,466.87	6,466.87	44.79	224.04	71.46	-1,209.89	-7,268.76	8,507.15	8,241.42	265.73	32.014		
7,000.00	6,508.69	6,512.69	6,512.69	44.95	225.64	62.60	-1,209.89	-7,268.76	8,498.69	8,231.20	267.49	31.772		
7,050.00	6,553.61	6,557.61	6,557.61	45.09	227.20	55.44	-1,209.89	-7,268.76	8,486.44	8,217.26	269.18	31.527		
7,100.00	6,597.37	6,601.37	6,601.37	45.20	228.73	49.79	-1,209.89	-7,268.76	8,470.48	8,199.69	270.79	31.280		
7,150.00	6,639.68	6,643.68	6,643.68	45.30	230.21	45.39	-1,209.89	-7,268.76	8,450.92	8,178.60	272.32	31.032		
7,200.00	6,680.29	6,684.29	6,684.29	45.39	231.63	42.00	-1,209.89	-7,268.76	8,427.87	8,154.10	273.77	30.784		
7,250.00	6,718.96	6,722.96	6,722.96	45.48	232.98	39.42	-1,209.89	-7,268.76	8,401.46	8,126.34	275.13	30.537		
7,300.00	6,755.43	6,759.43	6,759.43	45.57	234.25	37.52	-1,209.89	-7,268.76	8,371.87	8,095.49	276.38	30.291		
7,350.00	6,789.49	6,806.51	6,793.49	45.67	235.89	36.19	-1,209.89	-7,268.76	8,339.27	8,061.27	278.00	29.998		
7,400.00	6,820.93	6,824.93	6,824.93	45.77	236.54	35.38	-1,209.89	-7,268.76	8,303.86	8,025.26	278.60	29.806		
7,450.00	6,849.55	6,853.55	6,853.55	45.89	237.53	35.08	-1,209.89	-7,268.76	8,265.85	7,986.31	279.54	29.569		
7,500.00	6,875.17	6,879.17	6,879.17	46.02	238.43	35.30	-1,209.89	-7,268.76	8,225.47	7,945.09	280.38	29.337		
7,550.00	6,897.64	6,901.64	6,901.64	46.17	239.21	36.15	-1,209.89	-7,268.76	8,182.98	7,901.87	281.10	29.110		
7,600.00	6,916.82	6,920.82	6,920.82	46.35	239.88	37.79	-1,209.89	-7,268.76	8,138.61	7,856.90	281.71	28.890		
7,650.00	6,932.60	6,936.60	6,936.60	46.55	240.43	40.55	-1,209.89	-7,268.76	8,092.66	7,810.45	282.21	28.676		
7,700.00	6,944.86	6,948.86	6,948.86	46.78	240.86	45.13	-1,209.89	-7,268.76	8,045.38	7,762.79	282.59	28.470		
7,750.00	6,953.55	6,957.55	6,957.55	47.04	241.17	52.99	-1,209.89	-7,268.76	7,997.08	7,714.23	282.85	28.273		
7,800.00	6,958.59	6,962.59	6,962.59	47.33	241.34	67.42	-1,209.89	-7,268.76	7,948.04	7,665.04	282.99	28.085		
7,842.10	6,960.00	6,964.00	6,964.00	47.60	241.39	88.91	-1,209.89	-7,268.76	7,906.40	7,623.37	283.03	27.935		
7,900.00	6,960.15	6,964.15	6,964.15	48.01	241.40	88.91	-1,209.89	-7,268.76	7,848.99	7,565.98	283.01	27.734		
8,000.00	6,960.40	6,964.40	6,964.40	48.86	241.40	88.93	-1,209.89	-7,268.76	7,749.88	7,466.89	282.99	27.386		
8,100.00	6,960.65	6,964.65	6,964.65	49.87	241.41	88.94	-1,209.89	-7,268.76	7,650.78	7,367.81	282.97	27.037		
8,200.00	6,960.91	6,964.91	6,964.91	51.06	241.42	88.96	-1,209.89	-7,268.76	7,551.71	7,268.75	282.96	26.688		
8,300.00	6,961.16	6,965.16	6,965.16	52.41	241.43	88.97	-1,209.89	-7,268.76	7,452.66	7,169.71	282.95	26.339		
8,400.00	6,961.41	6,965.41	6,965.41	53.93	241.44	88.98	-1,209.89	-7,268.76	7,353.64	7,070.69	282.95	25.989		
8,500.00	6,961.66	6,965.66	6,965.66	55.59	241.45	89.00	-1,209.89	-7,268.76	7,254.65	6,971.70	282.95	25.639		
8,600.00	6,961.91	6,965.91	6,965.91	57.37	241.46	89.01	-1,209.89	-7,268.76	7,155.68	6,872.72	282.96	25.288		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-34(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,966.16	6,966.16	59.27	241.47	89.03	-1,209.89	-7,268.76	7,056.75	6,773.77	282.98	24.937		
8,800.00	6,962.42	6,966.42	6,966.42	61.26	241.47	89.04	-1,209.89	-7,268.76	6,957.84	6,674.84	283.00	24.586		
8,900.00	6,962.67	6,966.67	6,966.67	63.34	241.48	89.05	-1,209.89	-7,268.76	6,858.97	6,575.93	283.03	24.234		
9,000.00	6,962.92	6,966.92	6,966.92	65.49	241.49	89.07	-1,209.89	-7,268.76	6,760.12	6,477.05	283.07	23.881		
9,100.00	6,963.17	6,967.17	6,967.17	67.70	241.50	89.08	-1,209.89	-7,268.76	6,661.32	6,378.19	283.12	23.528		
9,200.00	6,963.42	6,967.42	6,967.42	69.97	241.51	89.10	-1,209.89	-7,268.76	6,562.55	6,279.36	283.18	23.174		
9,300.00	6,963.68	6,967.68	6,967.68	72.28	241.52	89.11	-1,209.89	-7,268.76	6,463.81	6,180.56	283.25	22.820		
9,400.00	6,963.93	6,967.93	6,967.93	74.64	241.53	89.12	-1,209.89	-7,268.76	6,365.12	6,081.79	283.33	22.465		
9,500.00	6,964.18	6,968.18	6,968.18	77.04	241.54	89.14	-1,209.89	-7,268.76	6,266.47	5,983.05	283.42	22.110		
9,600.00	6,964.43	6,968.43	6,968.43	79.48	241.55	89.15	-1,209.89	-7,268.76	6,167.86	5,884.33	283.53	21.754		
9,700.00	6,964.68	6,968.68	6,968.68	81.94	241.55	89.16	-1,209.89	-7,268.76	6,069.30	5,785.65	283.65	21.397		
9,800.00	6,964.94	6,968.94	6,968.94	84.43	241.56	89.18	-1,209.89	-7,268.76	5,970.78	5,687.00	283.78	21.040		
9,900.00	6,965.19	6,969.19	6,969.19	86.95	241.57	89.19	-1,209.89	-7,268.76	5,872.32	5,588.39	283.93	20.682		
10,000.00	6,965.44	6,969.44	6,969.44	89.49	241.58	89.21	-1,209.89	-7,268.76	5,773.90	5,489.81	284.10	20.324		
10,100.00	6,965.69	6,969.69	6,969.69	92.05	241.59	89.22	-1,209.89	-7,268.76	5,675.55	5,391.26	284.29	19.964		
10,200.00	6,965.94	6,969.94	6,969.94	94.63	241.60	89.23	-1,209.89	-7,268.76	5,577.25	5,292.76	284.49	19.604		
10,300.00	6,966.19	6,970.19	6,970.19	97.22	241.61	89.25	-1,209.89	-7,268.76	5,479.01	5,194.29	284.72	19.243		
10,400.00	6,966.45	6,970.45	6,970.45	99.83	241.62	89.26	-1,209.89	-7,268.76	5,380.84	5,095.87	284.97	18.882		
10,500.00	6,966.70	6,970.70	6,970.70	102.46	241.62	89.28	-1,209.89	-7,268.76	5,282.74	4,997.49	285.25	18.520		
10,600.00	6,966.95	6,970.95	6,970.95	105.09	241.63	89.29	-1,209.89	-7,268.76	5,184.71	4,899.15	285.56	18.156		
10,700.00	6,967.20	6,971.20	6,971.20	107.74	241.64	89.30	-1,209.89	-7,268.76	5,086.75	4,800.86	285.89	17.793		
10,800.00	6,967.45	6,971.45	6,971.45	110.41	241.65	89.32	-1,209.89	-7,268.76	4,988.88	4,702.62	286.26	17.428		
10,900.00	6,967.71	6,971.71	6,971.71	113.08	241.66	89.33	-1,209.89	-7,268.76	4,891.09	4,604.43	286.66	17.062		
11,000.00	6,967.96	6,971.96	6,971.96	115.76	241.67	89.35	-1,209.89	-7,268.76	4,793.40	4,506.30	287.10	16.696		
11,100.00	6,968.21	6,972.21	6,972.21	118.45	241.68	89.36	-1,209.89	-7,268.76	4,695.80	4,408.22	287.58	16.329		
11,200.00	6,968.46	6,972.46	6,972.46	121.15	241.69	89.37	-1,209.89	-7,268.76	4,598.30	4,310.20	288.10	15.961		
11,300.00	6,968.71	6,972.71	6,972.71	123.85	241.69	89.39	-1,209.89	-7,268.76	4,500.92	4,212.25	288.67	15.592		
11,400.00	6,968.97	6,972.97	6,972.97	126.56	241.70	89.40	-1,209.89	-7,268.76	4,403.65	4,114.36	289.29	15.222		
11,500.00	6,969.22	6,973.22	6,973.22	129.28	241.71	89.42	-1,209.89	-7,268.76	4,306.51	4,016.55	289.96	14.852		
11,600.00	6,969.47	6,973.47	6,973.47	132.01	241.72	89.43	-1,209.89	-7,268.76	4,209.50	3,918.81	290.69	14.481		
11,700.00	6,969.72	6,973.72	6,973.72	134.74	241.73	89.44	-1,209.89	-7,268.76	4,112.63	3,821.14	291.49	14.109		
11,800.00	6,969.97	6,973.97	6,973.97	137.48	241.74	89.46	-1,209.89	-7,268.76	4,015.92	3,723.57	292.35	13.737		
11,900.00	6,970.22	6,974.22	6,974.22	140.22	241.75	89.47	-1,209.89	-7,268.76	3,919.37	3,626.08	293.29	13.364		
12,000.00	6,970.48	6,974.48	6,974.48	142.97	241.76	89.49	-1,209.89	-7,268.76	3,823.00	3,528.70	294.30	12.990		
12,100.00	6,970.73	6,974.73	6,974.73	145.72	241.76	89.50	-1,209.89	-7,268.76	3,726.82	3,431.41	295.41	12.616		
12,200.00	6,970.98	6,974.98	6,974.98	148.47	241.77	89.51	-1,209.89	-7,268.76	3,630.85	3,334.25	296.60	12.241		
12,300.00	6,971.23	6,975.23	6,975.23	151.23	241.78	89.53	-1,209.89	-7,268.76	3,535.10	3,237.20	297.90	11.867		
12,400.00	6,971.48	6,975.48	6,975.48	154.00	241.79	89.54	-1,209.89	-7,268.76	3,439.59	3,140.28	299.31	11.492		
12,500.00	6,971.74	6,975.74	6,975.74	156.76	241.80	89.56	-1,209.89	-7,268.76	3,344.35	3,043.51	300.83	11.117		
12,600.00	6,971.99	6,975.99	6,975.99	159.53	241.81	89.57	-1,209.89	-7,268.76	3,249.39	2,946.90	302.49	10.742		
12,700.00	6,972.24	6,976.24	6,976.24	162.31	241.82	89.58	-1,209.89	-7,268.76	3,154.74	2,850.46	304.28	10.368		
12,800.00	6,972.49	6,976.49	6,976.49	165.09	241.83	89.60	-1,209.89	-7,268.76	3,060.43	2,754.21	306.22	9.994		
12,900.00	6,972.74	6,976.74	6,976.74	167.86	241.84	89.61	-1,209.89	-7,268.76	2,966.50	2,658.17	308.33	9.621		
13,002.01	6,973.00	6,977.00	6,977.00	170.70	241.84	89.63	-1,209.89	-7,268.76	2,871.10	2,560.44	310.66	9.242 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	10.00	10.00	3.28	3.28	-86.22	368.58	-5,574.97	5,587.14					
100.00	100.00	110.00	110.00	3.28	3.89	-86.22	368.58	-5,574.97	5,587.14	5,579.97	7.18	778.538		
200.00	200.00	210.00	210.00	3.34	6.48	-86.22	368.58	-5,574.97	5,587.14	5,577.33	9.81	569.275		
300.00	300.00	310.00	310.00	3.44	9.65	-86.22	368.58	-5,574.97	5,587.14	5,574.05	13.10	426.630		
400.00	399.98	409.98	409.98	3.60	12.99	124.38	368.58	-5,574.97	5,588.13	5,571.54	16.58	336.963		
500.00	499.84	509.84	509.84	3.79	16.38	124.38	368.58	-5,574.97	5,591.09	5,570.91	20.17	277.185		
600.00	599.45	609.45	609.45	4.02	19.80	124.37	368.58	-5,574.97	5,596.02	5,572.20	23.82	234.900		
700.00	698.70	708.70	708.70	4.29	23.23	124.36	368.58	-5,574.97	5,602.93	5,575.42	27.52	203.613		
800.00	797.47	807.47	807.47	4.60	26.65	124.34	368.58	-5,574.97	5,611.83	5,580.59	31.24	179.634		
900.00	895.62	905.62	905.62	4.94	30.05	124.32	368.58	-5,574.97	5,622.73	5,587.75	34.98	160.736		
1,000.00	993.06	1,003.06	1,003.06	5.31	33.43	124.29	368.58	-5,574.97	5,635.63	5,596.90	38.73	145.504		
1,100.00	1,089.64	1,100.36	1,099.64	5.72	36.81	124.25	368.58	-5,574.97	5,650.55	5,608.04	42.51	132.920		
1,200.00	1,185.27	1,204.73	1,195.27	6.17	40.44	124.20	368.58	-5,574.97	5,667.50	5,620.94	46.57	121.704		
1,300.00	1,279.82	1,289.82	1,289.82	6.65	43.41	124.15	368.58	-5,574.97	5,686.49	5,636.51	49.98	113.765		
1,400.00	1,373.17	1,383.17	1,383.17	7.17	46.66	124.07	368.58	-5,574.97	5,707.54	5,653.82	53.72	106.245		
1,479.95	1,446.87	1,456.87	1,456.87	7.61	49.22	124.01	368.58	-5,574.97	5,725.85	5,669.16	56.70	100.990		
1,500.00	1,465.24	1,475.24	1,475.24	7.72	49.86	124.07	368.58	-5,574.97	5,730.61	5,673.17	57.44	99.761		
1,600.00	1,556.88	1,566.88	1,566.88	8.31	53.06	124.38	368.58	-5,574.97	5,754.48	5,693.31	61.17	94.076		
1,700.00	1,648.52	1,658.52	1,658.52	8.92	56.25	124.69	368.58	-5,574.97	5,778.52	5,713.61	64.91	89.026		
1,800.00	1,740.15	1,750.15	1,750.15	9.54	59.44	125.00	368.58	-5,574.97	5,802.73	5,734.07	68.66	84.513		
1,900.00	1,831.79	1,841.79	1,841.79	10.17	62.64	125.30	368.58	-5,574.97	5,827.12	5,754.70	72.42	80.460		
2,000.00	1,923.43	1,933.43	1,933.43	10.81	65.83	125.60	368.58	-5,574.97	5,851.69	5,775.50	76.19	76.802		
2,100.00	2,015.06	2,025.06	2,025.06	11.46	69.03	125.90	368.58	-5,574.97	5,876.42	5,796.45	79.97	73.485		
2,200.00	2,106.70	2,116.70	2,116.70	12.11	72.22	126.20	368.58	-5,574.97	5,901.32	5,817.57	83.75	70.464		
2,300.00	2,198.34	2,208.34	2,208.34	12.78	75.42	126.50	368.58	-5,574.97	5,926.39	5,838.86	87.53	67.704		
2,400.00	2,289.98	2,300.02	2,299.98	13.44	78.62	126.79	368.58	-5,574.97	5,951.62	5,860.30	91.32	65.171		
2,500.00	2,381.61	2,408.39	2,391.61	14.11	82.40	127.08	368.58	-5,574.97	5,977.01	5,881.32	95.70	62.457		
2,600.00	2,473.25	2,483.25	2,483.25	14.79	85.01	127.37	368.58	-5,574.97	6,002.56	5,903.66	98.90	60.690		
2,700.00	2,564.89	2,574.89	2,574.89	15.47	88.20	127.66	368.58	-5,574.97	6,028.27	5,925.58	102.70	58.699		
2,800.00	2,656.52	2,666.52	2,666.52	16.15	91.40	127.94	368.58	-5,574.97	6,054.14	5,947.65	106.49	56.850		
2,900.00	2,748.16	2,758.16	2,758.16	16.83	94.60	128.23	368.58	-5,574.97	6,080.16	5,969.87	110.29	55.129		
3,000.00	2,839.80	2,849.80	2,849.80	17.52	97.80	128.51	368.58	-5,574.97	6,106.33	5,992.24	114.09	53.524		
3,100.00	2,931.43	2,941.43	2,941.43	18.20	100.99	128.78	368.58	-5,574.97	6,132.65	6,014.77	117.88	52.023		
3,200.00	3,023.07	3,033.07	3,033.07	18.89	104.19	129.06	368.58	-5,574.97	6,159.12	6,037.44	121.68	50.618		
3,300.00	3,114.71	3,124.71	3,124.71	19.58	107.39	129.33	368.58	-5,574.97	6,185.73	6,060.25	125.48	49.298		
3,400.00	3,206.35	3,216.35	3,216.35	20.27	110.59	129.60	368.58	-5,574.97	6,212.49	6,083.21	129.27	48.057		
3,500.00	3,297.98	3,307.98	3,307.98	20.97	113.78	129.87	368.58	-5,574.97	6,239.39	6,106.32	133.07	46.889		
3,600.00	3,389.62	3,400.38	3,399.62	21.66	117.01	130.14	368.58	-5,574.97	6,266.43	6,129.54	136.89	45.777		
3,700.00	3,481.26	3,508.74	3,491.26	22.36	120.79	130.41	368.58	-5,574.97	6,293.60	6,152.34	141.27	44.550		
3,800.00	3,572.89	3,582.89	3,582.89	23.05	123.38	130.67	368.58	-5,574.97	6,320.92	6,176.47	144.45	43.757		
3,900.00	3,664.53	3,674.53	3,674.53	23.75	126.58	130.93	368.58	-5,574.97	6,348.37	6,200.12	148.25	42.823		
4,000.00	3,756.17	3,766.17	3,766.17	24.45	129.77	131.19	368.58	-5,574.97	6,375.95	6,223.91	152.04	41.936		
4,100.00	3,847.80	3,857.80	3,857.80	25.14	132.97	131.45	368.58	-5,574.97	6,403.67	6,247.83	155.83	41.093		
4,200.00	3,939.44	3,949.44	3,949.44	25.84	136.17	131.70	368.58	-5,574.97	6,431.51	6,271.89	159.62	40.292		
4,300.00	4,031.08	4,041.08	4,041.08	26.54	139.37	131.96	368.58	-5,574.97	6,459.48	6,296.07	163.41	39.528		
4,400.00	4,122.72	4,132.72	4,132.72	27.24	142.57	132.21	368.58	-5,574.97	6,487.58	6,320.38	167.20	38.800		
4,500.00	4,214.35	4,224.35	4,224.35	27.94	145.76	132.46	368.58	-5,574.97	6,515.81	6,344.81	170.99	38.106		
4,600.00	4,305.99	4,315.99	4,315.99	28.64	148.96	132.70	368.58	-5,574.97	6,544.15	6,369.37	174.78	37.442		
4,700.00	4,397.63	4,407.63	4,407.63	29.35	152.16	132.95	368.58	-5,574.97	6,572.62	6,394.05	178.57	36.807		
4,800.00	4,489.26	4,500.74	4,499.26	30.05	155.41	133.19	368.58	-5,574.97	6,601.21	6,418.81	182.41	36.190		
4,900.00	4,580.90	4,590.90	4,590.90	30.75	158.61	133.43	368.58	-5,574.97	6,629.92	6,443.14	186.77	35.497		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,682.54	4,682.54	31.45	161.76	133.67	368.58	-5,574.97	6,658.74	6,468.82	189.92	35.060		
5,100.00	4,764.17	4,774.17	4,774.17	32.16	164.95	133.91	368.58	-5,574.97	6,687.68	6,493.97	193.71	34.525		
5,200.00	4,855.81	4,865.81	4,865.81	32.86	168.15	134.15	368.58	-5,574.97	6,716.73	6,519.25	197.49	34.011		
5,300.00	4,947.45	4,957.45	4,957.45	33.56	171.35	134.38	368.58	-5,574.97	6,745.90	6,544.63	201.27	33.517		
5,400.00	5,039.08	5,049.08	5,049.08	34.27	174.55	134.61	368.58	-5,574.97	6,775.18	6,570.13	205.05	33.042		
5,500.00	5,130.72	5,140.72	5,140.72	34.97	177.75	134.84	368.58	-5,574.97	6,804.56	6,595.73	208.83	32.584		
5,600.00	5,222.36	5,232.36	5,232.36	35.68	180.95	135.07	368.58	-5,574.97	6,834.06	6,621.45	212.61	32.144		
5,700.00	5,314.00	5,324.00	5,324.00	36.38	184.14	135.30	368.58	-5,574.97	6,863.66	6,647.27	216.38	31.720		
5,800.00	5,405.63	5,415.63	5,415.63	37.08	187.34	135.52	368.58	-5,574.97	6,893.36	6,673.20	220.16	31.311		
5,900.00	5,497.27	5,507.27	5,507.27	37.79	190.54	135.74	368.58	-5,574.97	6,923.18	6,699.24	223.94	30.916		
6,000.00	5,588.91	5,601.09	5,598.91	38.50	193.82	135.97	368.58	-5,574.97	6,953.09	6,725.30	227.79	30.525		
6,100.00	5,680.54	5,709.46	5,690.54	39.20	197.60	136.18	368.58	-5,574.97	6,983.10	6,750.96	232.14	30.081		
6,200.00	5,772.18	5,782.18	5,782.18	39.91	200.14	136.40	368.58	-5,574.97	7,013.22	6,777.96	235.26	29.811		
6,300.00	5,863.82	5,873.82	5,873.82	40.61	203.34	136.62	368.58	-5,574.97	7,043.43	6,804.40	239.03	29.467		
6,400.00	5,955.45	5,965.45	5,965.45	41.32	206.53	136.83	368.58	-5,574.97	7,073.74	6,830.95	242.80	29.134		
6,500.00	6,047.09	6,057.09	6,057.09	42.02	209.73	137.04	368.58	-5,574.97	7,104.15	6,857.58	246.57	28.812		
6,600.00	6,138.73	6,148.73	6,148.73	42.73	212.93	137.26	368.58	-5,574.97	7,134.65	6,884.32	250.34	28.500		
6,700.00	6,230.37	6,240.37	6,240.37	43.44	216.13	137.46	368.58	-5,574.97	7,165.25	6,911.14	254.10	28.198		
6,712.03	6,241.39	6,251.39	6,251.39	43.52	216.52	137.49	368.58	-5,574.97	7,168.94	6,914.38	254.56	28.162		
6,750.00	6,276.38	6,286.38	6,286.38	43.78	217.74	129.91	368.58	-5,574.97	7,179.55	6,923.56	255.99	28.046		
6,800.00	6,322.91	6,332.91	6,332.91	44.09	219.36	118.71	368.58	-5,574.97	7,190.39	6,932.51	257.88	27.882		
6,850.00	6,369.70	6,379.70	6,379.70	44.36	220.99	106.75	368.58	-5,574.97	7,197.59	6,937.83	259.77	27.708		
6,900.00	6,416.45	6,426.45	6,426.45	44.59	222.63	95.04	368.58	-5,574.97	7,201.13	6,939.50	261.62	27.525		
6,950.00	6,462.87	6,472.87	6,472.87	44.79	224.25	84.52	368.58	-5,574.97	7,200.98	6,937.55	263.44	27.335		
7,000.00	6,508.69	6,518.69	6,518.69	44.95	225.85	75.72	368.58	-5,574.97	7,197.17	6,931.97	265.19	27.139		
7,050.00	6,553.61	6,563.61	6,563.61	45.09	227.41	68.70	368.58	-5,574.97	7,189.71	6,922.83	266.88	26.939		
7,100.00	6,597.37	6,607.37	6,607.37	45.20	228.94	63.28	368.58	-5,574.97	7,178.68	6,910.18	268.50	26.736		
7,150.00	6,639.68	6,649.68	6,649.68	45.30	230.42	59.18	368.58	-5,574.97	7,164.13	6,894.10	270.03	26.531		
7,200.00	6,680.29	6,709.71	6,690.29	45.39	232.51	56.17	368.58	-5,574.97	7,146.17	6,874.02	272.15	26.259		
7,250.00	6,718.96	6,728.96	6,728.96	45.48	233.19	54.07	368.58	-5,574.97	7,124.91	6,852.10	272.81	26.116		
7,300.00	6,755.43	6,765.43	6,765.43	45.57	234.46	52.75	368.58	-5,574.97	7,100.50	6,826.44	274.06	25.909		
7,350.00	6,789.49	6,800.51	6,799.49	45.67	235.68	52.12	368.58	-5,574.97	7,073.07	6,797.83	275.24	25.698		
7,400.00	6,820.93	6,830.93	6,830.93	45.77	236.75	52.13	368.58	-5,574.97	7,042.82	6,766.57	276.25	25.495		
7,450.00	6,849.55	6,859.55	6,859.55	45.89	237.74	52.77	368.58	-5,574.97	7,009.91	6,732.73	277.18	25.290		
7,500.00	6,875.17	6,885.17	6,885.17	46.02	238.64	54.08	368.58	-5,574.97	6,974.57	6,696.56	278.01	25.087		
7,550.00	6,897.64	6,907.64	6,907.64	46.17	239.42	56.10	368.58	-5,574.97	6,936.99	6,658.26	278.73	24.888		
7,600.00	6,916.82	6,926.82	6,926.82	46.35	240.09	58.95	368.58	-5,574.97	6,897.41	6,618.07	279.34	24.692		
7,650.00	6,932.60	6,942.60	6,942.60	46.55	240.64	62.77	368.58	-5,574.97	6,856.08	6,576.24	279.84	24.500		
7,700.00	6,944.86	6,954.86	6,954.86	46.78	241.07	67.73	368.58	-5,574.97	6,813.23	6,533.00	280.24	24.312		
7,750.00	6,953.55	6,963.55	6,963.55	47.04	241.37	74.04	368.58	-5,574.97	6,769.13	6,488.61	280.52	24.131		
7,800.00	6,958.59	6,968.59	6,968.59	47.33	241.55	81.87	368.58	-5,574.97	6,724.04	6,443.35	280.70	23.955		
7,842.10	6,960.00	6,970.00	6,970.00	47.60	241.60	89.66	368.58	-5,574.97	6,685.51	6,404.75	280.76	23.812		
7,900.00	6,960.15	6,970.15	6,970.15	48.01	241.61	89.66	368.58	-5,574.97	6,632.28	6,351.47	280.80	23.619		
8,000.00	6,960.40	6,970.40	6,970.40	48.86	241.61	89.67	368.58	-5,574.97	6,540.52	6,259.62	280.90	23.284		
8,100.00	6,960.65	6,970.65	6,970.65	49.87	241.62	89.68	368.58	-5,574.97	6,449.01	6,167.96	281.05	22.946		
8,200.00	6,960.91	6,970.91	6,970.91	51.06	241.63	89.68	368.58	-5,574.97	6,357.76	6,076.51	281.25	22.605		
8,300.00	6,961.16	6,971.16	6,971.16	52.41	241.64	89.69	368.58	-5,574.97	6,266.77	5,985.27	281.50	22.262		
8,400.00	6,961.41	6,971.41	6,971.41	53.93	241.65	89.69	368.58	-5,574.97	6,176.06	5,894.26	281.81	21.916		
8,500.00	6,961.66	6,971.66	6,971.66	55.59	241.66	89.70	368.58	-5,574.97	6,085.65	5,803.47	282.17	21.567		
8,600.00	6,961.91	6,971.91	6,971.91	57.37	241.67	89.70	368.58	-5,574.97	5,995.53	5,712.93	282.60	21.216		

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - Montero #10-43(SI) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,972.16	6,972.16	59.27	241.68	89.71	368.58	-5,574.97	5,905.74	5,622.64	283.09	20.861		
8,800.00	6,962.42	6,972.42	6,972.42	61.26	241.68	89.71	368.58	-5,574.97	5,816.28	5,532.62	283.66	20.504		
8,900.00	6,962.67	6,972.67	6,972.67	63.34	241.69	89.72	368.58	-5,574.97	5,727.16	5,442.87	284.30	20.145		
9,000.00	6,962.92	6,972.92	6,972.92	65.49	241.70	89.72	368.58	-5,574.97	5,638.42	5,353.41	285.01	19.783		
9,100.00	6,963.17	6,973.17	6,973.17	67.70	241.71	89.73	368.58	-5,574.97	5,550.05	5,264.25	285.80	19.419		
9,200.00	6,963.42	6,973.42	6,973.42	69.97	241.72	89.74	368.58	-5,574.97	5,462.09	5,175.41	286.68	19.053		
9,300.00	6,963.68	6,973.68	6,973.68	72.28	241.73	89.74	368.58	-5,574.97	5,374.54	5,086.91	287.64	18.685		
9,400.00	6,963.93	6,973.93	6,973.93	74.64	241.74	89.75	368.58	-5,574.97	5,287.44	4,998.76	288.69	18.315		
9,500.00	6,964.18	6,974.18	6,974.18	77.04	241.75	89.75	368.58	-5,574.97	5,200.81	4,910.98	289.83	17.944		
9,600.00	6,964.43	6,974.43	6,974.43	79.48	241.75	89.76	368.58	-5,574.97	5,114.66	4,823.59	291.06	17.572		
9,700.00	6,964.68	6,974.68	6,974.68	81.94	241.76	89.76	368.58	-5,574.97	5,029.02	4,736.63	292.39	17.200		
9,800.00	6,964.94	6,974.94	6,974.94	84.43	241.77	89.77	368.58	-5,574.97	4,943.92	4,650.10	293.82	16.826		
9,900.00	6,965.19	6,975.19	6,975.19	86.95	241.78	89.77	368.58	-5,574.97	4,859.39	4,564.04	295.35	16.453		
10,000.00	6,965.44	6,975.44	6,975.44	89.49	241.79	89.78	368.58	-5,574.97	4,775.46	4,478.47	296.99	16.080		
10,100.00	6,965.69	6,975.69	6,975.69	92.05	241.80	89.79	368.58	-5,574.97	4,692.16	4,393.43	298.73	15.707		
10,200.00	6,965.94	6,975.94	6,975.94	94.63	241.81	89.79	368.58	-5,574.97	4,609.52	4,308.94	300.58	15.335		
10,300.00	6,966.19	6,976.19	6,976.19	97.22	241.82	89.80	368.58	-5,574.97	4,527.58	4,225.04	302.54	14.965		
10,400.00	6,966.45	6,976.45	6,976.45	99.83	241.82	89.80	368.58	-5,574.97	4,446.39	4,141.77	304.62	14.597		
10,500.00	6,966.70	6,976.70	6,976.70	102.46	241.83	89.81	368.58	-5,574.97	4,365.97	4,059.16	306.81	14.230		
10,600.00	6,966.95	6,976.95	6,976.95	105.09	241.84	89.81	368.58	-5,574.97	4,286.37	3,977.26	309.12	13.867		
10,700.00	6,967.20	6,977.20	6,977.20	107.74	241.85	89.82	368.58	-5,574.97	4,207.65	3,896.11	311.55	13.506		
10,800.00	6,967.45	6,977.45	6,977.45	110.41	241.86	89.82	368.58	-5,574.97	4,129.85	3,815.75	314.10	13.148		
10,900.00	6,967.71	6,977.71	6,977.71	113.08	241.87	89.83	368.58	-5,574.97	4,053.02	3,736.25	316.77	12.795		
11,000.00	6,967.96	6,977.96	6,977.96	115.76	241.88	89.84	368.58	-5,574.97	3,977.23	3,657.65	319.57	12.445		
11,100.00	6,968.21	6,978.21	6,978.21	118.45	241.89	89.84	368.58	-5,574.97	3,902.52	3,580.02	322.50	12.101		
11,200.00	6,968.46	6,978.46	6,978.46	121.15	241.90	89.85	368.58	-5,574.97	3,828.97	3,503.41	325.56	11.761		
11,300.00	6,968.71	6,978.71	6,978.71	123.85	241.90	89.85	368.58	-5,574.97	3,756.63	3,427.89	328.74	11.427		
11,400.00	6,968.97	6,978.97	6,978.97	126.56	241.91	89.86	368.58	-5,574.97	3,685.60	3,353.54	332.06	11.099		
11,500.00	6,969.22	6,979.22	6,979.22	129.28	241.92	89.86	368.58	-5,574.97	3,615.93	3,280.42	335.51	10.777		
11,600.00	6,969.47	6,979.47	6,979.47	132.01	241.93	89.87	368.58	-5,574.97	3,547.72	3,208.63	339.09	10.463		
11,700.00	6,969.72	6,979.72	6,979.72	134.74	241.94	89.87	368.58	-5,574.97	3,481.04	3,138.24	342.79	10.155		
11,800.00	6,969.97	6,979.97	6,979.97	137.48	241.95	89.88	368.58	-5,574.97	3,415.98	3,069.36	346.63	9.855		
11,900.00	6,970.22	6,980.22	6,980.22	140.22	241.96	89.88	368.58	-5,574.97	3,352.65	3,002.06	350.59	9.563		
12,000.00	6,970.48	6,980.48	6,980.48	142.97	241.97	89.89	368.58	-5,574.97	3,291.14	2,936.47	354.66	9.280		
12,100.00	6,970.73	6,980.73	6,980.73	145.72	241.97	89.90	368.58	-5,574.97	3,231.55	2,872.69	358.86	9.005		
12,200.00	6,970.98	6,980.98	6,980.98	148.47	241.98	89.90	368.58	-5,574.97	3,174.00	2,810.84	363.16	8.740		
12,300.00	6,971.23	6,981.23	6,981.23	151.23	241.99	89.91	368.58	-5,574.97	3,118.59	2,751.03	367.56	8.485		
12,400.00	6,971.48	6,981.48	6,981.48	154.00	242.00	89.91	368.58	-5,574.97	3,065.44	2,693.39	372.05	8.239		
12,500.00	6,971.74	6,981.74	6,981.74	156.76	242.01	89.92	368.58	-5,574.97	3,014.67	2,638.06	376.61	8.005		
12,600.00	6,971.99	6,981.99	6,981.99	159.53	242.02	89.92	368.58	-5,574.97	2,966.40	2,585.16	381.24	7.781		
12,700.00	6,972.24	6,982.24	6,982.24	162.31	242.03	89.93	368.58	-5,574.97	2,920.77	2,534.85	385.92	7.568		
12,800.00	6,972.49	6,982.49	6,982.49	165.09	242.04	89.93	368.58	-5,574.97	2,877.88	2,487.26	390.62	7.367		
12,900.00	6,972.74	6,982.74	6,982.74	167.86	242.04	89.94	368.58	-5,574.97	2,837.87	2,442.54	395.34	7.178		
13,002.01	6,973.00	6,983.00	6,983.00	170.70	242.05	89.95	368.58	-5,574.97	2,800.15	2,400.02	400.13	6.998 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	16.00	16.00	3.28	3.29	-86.57	193.65	-3,230.37	3,236.17					
100.00	100.00	116.00	116.00	3.28	4.01	-86.57	193.65	-3,230.37	3,236.17	3,228.88	7.29	443.733		
200.00	200.00	216.00	216.00	3.34	6.66	-86.57	193.65	-3,230.37	3,236.17	3,226.18	10.00	323.749		
300.00	300.00	316.00	316.00	3.44	9.85	-86.57	193.65	-3,230.37	3,236.17	3,222.88	13.29	243.445		
400.00	399.98	415.98	415.98	3.60	13.19	124.04	193.65	-3,230.37	3,237.15	3,220.36	16.79	192.842		
500.00	499.84	515.84	515.84	3.79	16.59	124.07	193.65	-3,230.37	3,240.08	3,219.71	20.38	159.013		
600.00	599.45	615.45	615.45	4.02	20.01	124.11	193.65	-3,230.37	3,244.98	3,220.95	24.03	135.041		
700.00	698.70	714.70	714.70	4.29	23.44	124.18	193.65	-3,230.37	3,251.86	3,224.13	27.72	117.290		
800.00	797.47	813.47	813.47	4.60	26.85	124.26	193.65	-3,230.37	3,260.73	3,229.28	31.45	103.685		
900.00	895.62	911.62	911.62	4.94	30.26	124.35	193.65	-3,230.37	3,271.62	3,236.43	35.19	92.972		
1,000.00	993.06	1,009.06	1,009.06	5.31	33.64	124.45	193.65	-3,230.37	3,284.55	3,245.61	38.94	84.349		
1,100.00	1,089.64	1,105.64	1,105.64	5.72	37.00	124.56	193.65	-3,230.37	3,299.56	3,256.87	42.69	77.284		
1,200.00	1,185.27	1,201.27	1,201.27	6.17	40.32	124.68	193.65	-3,230.37	3,316.68	3,270.23	46.45	71.409		
1,300.00	1,279.82	1,304.18	1,295.82	6.65	43.91	124.80	193.65	-3,230.37	3,335.94	3,285.45	50.48	66.081		
1,400.00	1,373.17	1,389.17	1,389.17	7.17	46.87	124.92	193.65	-3,230.37	3,357.37	3,303.44	53.92	62.260		
1,479.95	1,446.87	1,462.87	1,462.87	7.61	49.43	125.02	193.65	-3,230.37	3,376.10	3,319.20	56.90	59.335		
1,500.00	1,465.24	1,481.24	1,481.24	7.72	50.07	125.12	193.65	-3,230.37	3,380.98	3,323.33	57.64	58.653		
1,600.00	1,556.88	1,572.88	1,572.88	8.31	53.26	125.64	193.65	-3,230.37	3,405.50	3,344.14	61.36	55.497		
1,700.00	1,648.52	1,664.52	1,664.52	8.92	56.46	126.16	193.65	-3,230.37	3,430.32	3,365.22	65.10	52.695		
1,800.00	1,740.15	1,756.15	1,756.15	9.54	59.65	126.67	193.65	-3,230.37	3,455.42	3,386.58	68.84	50.193		
1,900.00	1,831.79	1,847.79	1,847.79	10.17	62.85	127.17	193.65	-3,230.37	3,480.80	3,408.21	72.60	47.948		
2,000.00	1,923.43	1,939.43	1,939.43	10.81	66.04	127.66	193.65	-3,230.37	3,506.46	3,430.10	76.35	45.923		
2,100.00	2,015.06	2,031.06	2,031.06	11.46	69.24	128.15	193.65	-3,230.37	3,532.38	3,452.26	80.12	44.089		
2,200.00	2,106.70	2,122.70	2,122.70	12.11	72.43	128.63	193.65	-3,230.37	3,558.56	3,474.68	83.89	42.421		
2,300.00	2,198.34	2,214.34	2,214.34	12.78	75.63	129.11	193.65	-3,230.37	3,585.00	3,497.34	87.66	40.897		
2,400.00	2,289.98	2,305.98	2,305.98	13.44	78.82	129.57	193.65	-3,230.37	3,611.69	3,520.26	91.43	39.502		
2,500.00	2,381.61	2,402.39	2,397.61	14.11	82.19	130.04	193.65	-3,230.37	3,638.63	3,543.25	95.37	38.152		
2,600.00	2,473.25	2,489.25	2,489.25	14.79	85.22	130.49	193.65	-3,230.37	3,665.80	3,566.82	98.98	37.035		
2,700.00	2,564.89	2,580.89	2,580.89	15.47	88.41	130.94	193.65	-3,230.37	3,693.21	3,590.45	102.76	35.941		
2,800.00	2,656.52	2,672.52	2,672.52	16.15	91.61	131.39	193.65	-3,230.37	3,720.85	3,614.31	106.53	34.927		
2,900.00	2,748.16	2,764.16	2,764.16	16.83	94.81	131.83	193.65	-3,230.37	3,748.71	3,638.40	110.31	33.984		
3,000.00	2,839.80	2,855.80	2,855.80	17.52	98.01	132.26	193.65	-3,230.37	3,776.78	3,662.70	114.08	33.105		
3,100.00	2,931.43	2,947.43	2,947.43	18.20	101.20	132.68	193.65	-3,230.37	3,805.08	3,687.22	117.86	32.285		
3,200.00	3,023.07	3,039.07	3,039.07	18.89	104.40	133.11	193.65	-3,230.37	3,833.58	3,711.95	121.63	31.517		
3,300.00	3,114.71	3,130.71	3,130.71	19.58	107.60	133.52	193.65	-3,230.37	3,862.29	3,736.88	125.41	30.798		
3,400.00	3,206.35	3,222.35	3,222.35	20.27	110.80	133.93	193.65	-3,230.37	3,891.19	3,762.01	129.18	30.122		
3,500.00	3,297.98	3,313.98	3,313.98	20.97	113.99	134.33	193.65	-3,230.37	3,920.30	3,787.35	132.95	29.487		
3,600.00	3,389.62	3,405.62	3,405.62	21.66	117.19	134.73	193.65	-3,230.37	3,949.59	3,812.87	136.72	28.888		
3,700.00	3,481.26	3,502.74	3,497.26	22.36	120.58	135.12	193.65	-3,230.37	3,979.07	3,838.39	140.68	28.284		
3,800.00	3,572.89	3,588.89	3,588.89	23.05	123.59	135.51	193.65	-3,230.37	4,008.74	3,864.48	144.26	27.788		
3,900.00	3,664.53	3,680.53	3,680.53	23.75	126.78	135.89	193.65	-3,230.37	4,038.58	3,890.55	148.03	27.283		
4,000.00	3,756.17	3,772.17	3,772.17	24.45	129.98	136.27	193.65	-3,230.37	4,068.60	3,916.81	151.79	26.804		
4,100.00	3,847.80	3,863.80	3,863.80	25.14	133.18	136.64	193.65	-3,230.37	4,098.79	3,943.23	155.56	26.349		
4,200.00	3,939.44	3,955.44	3,955.44	25.84	136.38	137.01	193.65	-3,230.37	4,129.14	3,969.83	159.32	25.918		
4,300.00	4,031.08	4,047.08	4,047.08	26.54	139.58	137.37	193.65	-3,230.37	4,159.66	3,996.58	163.08	25.507		
4,400.00	4,122.72	4,138.72	4,138.72	27.24	142.78	137.73	193.65	-3,230.37	4,190.35	4,023.51	166.84	25.116		
4,500.00	4,214.35	4,230.35	4,230.35	27.94	145.97	138.08	193.65	-3,230.37	4,221.18	4,050.58	170.60	24.743		
4,600.00	4,305.99	4,321.99	4,321.99	28.64	149.17	138.43	193.65	-3,230.37	4,252.17	4,077.82	174.36	24.388		
4,700.00	4,397.63	4,413.63	4,413.63	29.35	152.37	138.77	193.65	-3,230.37	4,283.31	4,105.20	178.11	24.048		
4,800.00	4,489.26	4,505.26	4,505.26	30.05	155.57	139.11	193.65	-3,230.37	4,314.60	4,132.73	181.87	23.724		
4,900.00	4,580.90	4,603.10	4,596.90	30.75	158.98	139.44	193.65	-3,230.37	4,346.03	4,160.19	185.84	23.386		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,688.54	4,688.54	31.45	161.96	139.77	193.65	-3,230.37	4,377.60	4,188.23	189.38	23.116		
5,100.00	4,764.17	4,780.17	4,780.17	32.16	165.16	140.10	193.65	-3,230.37	4,409.31	4,216.18	193.13	22.831		
5,200.00	4,855.81	4,871.81	4,871.81	32.86	168.36	140.42	193.65	-3,230.37	4,441.16	4,244.28	196.88	22.558		
5,300.00	4,947.45	4,963.45	4,963.45	33.56	171.56	140.73	193.65	-3,230.37	4,473.13	4,272.50	200.63	22.296		
5,400.00	5,039.08	5,055.08	5,055.08	34.27	174.76	141.05	193.65	-3,230.37	4,505.23	4,300.86	204.38	22.044		
5,500.00	5,130.72	5,146.72	5,146.72	34.97	177.96	141.35	193.65	-3,230.37	4,537.46	4,329.34	208.13	21.802		
5,600.00	5,222.36	5,238.36	5,238.36	35.68	181.16	141.66	193.65	-3,230.37	4,569.82	4,357.95	211.87	21.569		
5,700.00	5,314.00	5,330.00	5,330.00	36.38	184.35	141.96	193.65	-3,230.37	4,602.29	4,386.67	215.62	21.345		
5,800.00	5,405.63	5,421.63	5,421.63	37.08	187.55	142.25	193.65	-3,230.37	4,634.88	4,415.52	219.36	21.129		
5,900.00	5,497.27	5,513.27	5,513.27	37.79	190.75	142.54	193.65	-3,230.37	4,667.59	4,444.49	223.10	20.921		
6,000.00	5,588.91	5,604.91	5,604.91	38.50	193.95	142.83	193.65	-3,230.37	4,700.41	4,473.57	226.85	20.721		
6,100.00	5,680.54	5,703.46	5,696.54	39.20	197.39	143.12	193.65	-3,230.37	4,733.34	4,502.51	230.83	20.506		
6,200.00	5,772.18	5,788.18	5,788.18	39.91	200.35	143.40	193.65	-3,230.37	4,766.38	4,532.06	234.33	20.341		
6,300.00	5,863.82	5,879.82	5,879.82	40.61	203.55	143.67	193.65	-3,230.37	4,799.53	4,561.46	238.07	20.160		
6,400.00	5,955.45	5,971.45	5,971.45	41.32	206.74	143.95	193.65	-3,230.37	4,832.78	4,590.98	241.81	19.986		
6,500.00	6,047.09	6,063.09	6,063.09	42.02	209.94	144.22	193.65	-3,230.37	4,866.14	4,620.59	245.54	19.818		
6,600.00	6,138.73	6,154.73	6,154.73	42.73	213.14	144.48	193.65	-3,230.37	4,899.59	4,650.31	249.28	19.655		
6,700.00	6,230.37	6,246.37	6,246.37	43.44	216.34	144.75	193.65	-3,230.37	4,933.14	4,680.13	253.02	19.497		
6,712.03	6,241.39	6,257.39	6,257.39	43.52	216.73	144.78	193.65	-3,230.37	4,937.19	4,683.72	253.47	19.479		
6,750.00	6,276.38	6,307.62	6,292.38	43.78	218.48	137.05	193.65	-3,230.37	4,948.99	4,693.57	255.42	19.376		
6,800.00	6,322.91	6,338.91	6,338.91	44.09	219.57	125.70	193.65	-3,230.37	4,961.58	4,704.81	256.77	19.323		
6,850.00	6,369.70	6,385.70	6,385.70	44.36	221.20	113.63	193.65	-3,230.37	4,970.74	4,712.10	258.64	19.219		
6,900.00	6,416.45	6,432.45	6,432.45	44.59	222.84	101.85	193.65	-3,230.37	4,976.43	4,715.95	260.49	19.104		
6,950.00	6,462.87	6,478.87	6,478.87	44.79	224.46	91.31	193.65	-3,230.37	4,978.65	4,716.36	262.29	18.981		
7,000.00	6,508.69	6,524.69	6,524.69	44.95	226.06	82.52	193.65	-3,230.37	4,977.39	4,713.35	264.04	18.851		
7,050.00	6,553.61	6,569.61	6,569.61	45.09	227.62	75.54	193.65	-3,230.37	4,972.68	4,706.95	265.72	18.714		
7,100.00	6,597.37	6,613.37	6,613.37	45.20	229.15	70.18	193.65	-3,230.37	4,964.56	4,697.23	267.33	18.571		
7,150.00	6,639.68	6,655.68	6,655.68	45.30	230.63	66.17	193.65	-3,230.37	4,953.11	4,684.25	268.85	18.423		
7,200.00	6,680.29	6,703.71	6,696.29	45.39	232.30	63.29	193.65	-3,230.37	4,938.41	4,667.86	270.55	18.253		
7,250.00	6,718.96	6,734.96	6,734.96	45.48	233.40	61.33	193.65	-3,230.37	4,920.56	4,648.93	271.63	18.115		
7,300.00	6,755.43	6,771.43	6,771.43	45.57	234.67	60.17	193.65	-3,230.37	4,899.70	4,626.83	272.87	17.956		
7,350.00	6,789.49	6,805.49	6,805.49	45.67	235.86	59.70	193.65	-3,230.37	4,875.97	4,601.96	274.02	17.795		
7,400.00	6,820.93	6,836.93	6,836.93	45.77	236.95	59.88	193.65	-3,230.37	4,849.52	4,574.47	275.06	17.631		
7,450.00	6,849.55	6,865.55	6,865.55	45.89	237.95	60.66	193.65	-3,230.37	4,820.53	4,544.53	276.00	17.466		
7,500.00	6,875.17	6,908.83	6,891.17	46.02	239.46	62.04	193.65	-3,230.37	4,789.19	4,511.73	277.45	17.261		
7,550.00	6,897.64	6,913.64	6,913.64	46.17	239.63	64.04	193.65	-3,230.37	4,755.68	4,478.11	277.57	17.133		
7,600.00	6,916.82	6,932.82	6,932.82	46.35	240.30	66.70	193.65	-3,230.37	4,720.23	4,442.02	278.21	16.966		
7,650.00	6,932.60	6,948.60	6,948.60	46.55	240.85	70.03	193.65	-3,230.37	4,683.04	4,404.30	278.75	16.800		
7,700.00	6,944.86	6,960.86	6,960.86	46.78	241.28	74.10	193.65	-3,230.37	4,644.35	4,365.17	279.18	16.635		
7,750.00	6,953.55	6,969.55	6,969.55	47.04	241.58	78.93	193.65	-3,230.37	4,604.39	4,324.86	279.52	16.472		
7,800.00	6,958.59	6,974.59	6,974.59	47.33	241.76	84.52	193.65	-3,230.37	4,563.38	4,283.62	279.76	16.312		
7,842.10	6,960.00	6,976.00	6,976.00	47.60	241.81	89.78	193.65	-3,230.37	4,528.24	4,248.35	279.89	16.179		
7,900.00	6,960.15	6,976.15	6,976.15	48.01	241.81	89.78	193.65	-3,230.37	4,479.68	4,199.65	280.03	15.997		
8,000.00	6,960.40	6,976.40	6,976.40	48.86	241.82	89.79	193.65	-3,230.37	4,396.35	4,116.01	280.34	15.682		
8,100.00	6,960.65	6,976.65	6,976.65	49.87	241.83	89.79	193.65	-3,230.37	4,313.73	4,032.98	280.76	15.365		
8,200.00	6,960.91	6,976.91	6,976.91	51.06	241.84	89.80	193.65	-3,230.37	4,231.87	3,950.58	281.29	15.045		
8,300.00	6,961.16	6,977.16	6,977.16	52.41	241.85	89.80	193.65	-3,230.37	4,150.79	3,868.86	281.93	14.723		
8,400.00	6,961.41	6,977.41	6,977.41	53.93	241.86	89.81	193.65	-3,230.37	4,070.56	3,787.85	282.71	14.399		
8,500.00	6,961.66	6,977.66	6,977.66	55.59	241.87	89.81	193.65	-3,230.37	3,991.22	3,707.61	283.61	14.073		
8,600.00	6,961.91	6,977.91	6,977.91	57.37	241.88	89.82	193.65	-3,230.37	3,912.83	3,628.17	284.66	13.746		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-11(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,978.16	6,978.16	59.27	241.88	89.83	193.65	-3,230.37	3,835.44	3,549.60	285.85	13.418		
8,800.00	6,962.42	6,978.42	6,978.42	61.26	241.89	89.83	193.65	-3,230.37	3,759.13	3,471.94	287.19	13.089		
8,900.00	6,962.67	6,978.67	6,978.67	63.34	241.90	89.84	193.65	-3,230.37	3,683.94	3,395.26	288.68	12.761		
9,000.00	6,962.92	6,978.92	6,978.92	65.49	241.91	89.84	193.65	-3,230.37	3,609.96	3,319.63	290.33	12.434		
9,100.00	6,963.17	6,979.17	6,979.17	67.70	241.92	89.85	193.65	-3,230.37	3,537.26	3,245.13	292.13	12.108		
9,200.00	6,963.42	6,979.42	6,979.42	69.97	241.93	89.86	193.65	-3,230.37	3,465.92	3,171.82	294.10	11.785		
9,300.00	6,963.68	6,979.68	6,979.68	72.28	241.94	89.86	193.65	-3,230.37	3,396.02	3,099.80	296.22	11.464		
9,400.00	6,963.93	6,979.93	6,979.93	74.64	241.95	89.87	193.65	-3,230.37	3,327.66	3,029.16	298.51	11.148		
9,500.00	6,964.18	6,980.18	6,980.18	77.04	241.96	89.87	193.65	-3,230.37	3,260.94	2,959.99	300.95	10.835		
9,600.00	6,964.43	6,980.43	6,980.43	79.48	241.96	89.88	193.65	-3,230.37	3,195.95	2,892.40	303.56	10.528		
9,700.00	6,964.68	6,980.68	6,980.68	81.94	241.97	89.89	193.65	-3,230.37	3,132.81	2,826.50	306.32	10.227		
9,800.00	6,964.94	6,980.94	6,980.94	84.43	241.98	89.89	193.65	-3,230.37	3,071.63	2,762.40	309.23	9.933		
9,900.00	6,965.19	6,981.19	6,981.19	86.95	241.99	89.90	193.65	-3,230.37	3,012.52	2,700.24	312.28	9.647		
10,000.00	6,965.44	6,981.44	6,981.44	89.49	242.00	89.90	193.65	-3,230.37	2,955.62	2,640.14	315.48	9.369		
10,100.00	6,965.69	6,981.69	6,981.69	92.05	242.01	89.91	193.65	-3,230.37	2,901.04	2,582.24	318.80	9.100		
10,200.00	6,965.94	6,981.94	6,981.94	94.63	242.02	89.91	193.65	-3,230.37	2,848.94	2,526.68	322.25	8.841		
10,300.00	6,966.19	6,982.19	6,982.19	97.22	242.03	89.92	193.65	-3,230.37	2,799.43	2,473.62	325.81	8.592		
10,400.00	6,966.45	6,982.45	6,982.45	99.83	242.03	89.93	193.65	-3,230.37	2,752.67	2,423.20	329.47	8.355		
10,500.00	6,966.70	6,982.70	6,982.70	102.46	242.04	89.93	193.65	-3,230.37	2,708.80	2,375.59	333.21	8.129		
10,600.00	6,966.95	6,982.95	6,982.95	105.09	242.05	89.94	193.65	-3,230.37	2,667.96	2,330.94	337.02	7.916		
10,700.00	6,967.20	6,983.20	6,983.20	107.74	242.06	89.94	193.65	-3,230.37	2,630.28	2,289.41	340.87	7.716		
10,800.00	6,967.45	6,983.45	6,983.45	110.41	242.07	89.95	193.65	-3,230.37	2,595.91	2,251.16	344.75	7.530		
10,900.00	6,967.71	6,983.71	6,983.71	113.08	242.08	89.96	193.65	-3,230.37	2,564.98	2,216.35	348.64	7.357		
11,000.00	6,967.96	6,983.96	6,983.96	115.76	242.09	89.96	193.65	-3,230.37	2,537.62	2,185.13	352.50	7.199		
11,100.00	6,968.21	6,984.21	6,984.21	118.45	242.10	89.97	193.65	-3,230.37	2,513.94	2,157.63	356.31	7.055		
11,200.00	6,968.46	6,984.46	6,984.46	121.15	242.10	89.97	193.65	-3,230.37	2,494.05	2,134.00	360.05	6.927		
11,300.00	6,968.71	6,984.71	6,984.71	123.85	242.11	89.98	193.65	-3,230.37	2,478.04	2,114.34	363.70	6.813		
11,400.00	6,968.97	6,984.97	6,984.97	126.56	242.12	89.99	193.65	-3,230.37	2,465.98	2,098.76	367.22	6.715		
11,500.00	6,969.22	6,985.22	6,985.22	129.28	242.13	89.99	193.65	-3,230.37	2,457.94	2,087.34	370.59	6.632		
11,600.00	6,969.47	6,985.47	6,985.47	132.01	242.14	90.00	193.65	-3,230.37	2,453.94	2,080.14	373.80	6.565		
11,648.08	6,969.59	6,985.59	6,985.59	133.32	242.14	90.00	193.65	-3,230.37	2,453.47	2,078.20	375.28	6.538 CC		
11,700.00	6,969.72	6,985.72	6,985.72	134.74	242.15	90.00	193.65	-3,230.37	2,454.02	2,077.20	376.82	6.512 ES		
11,800.00	6,969.97	6,985.97	6,985.97	137.48	242.16	90.01	193.65	-3,230.37	2,458.17	2,078.54	379.63	6.475		
11,900.00	6,970.22	6,986.22	6,986.22	140.22	242.17	90.01	193.65	-3,230.37	2,466.37	2,084.15	382.23	6.453		
12,000.00	6,970.48	6,986.48	6,986.48	142.97	242.18	90.02	193.65	-3,230.37	2,478.58	2,093.99	384.59	6.445 SF		
12,100.00	6,970.73	6,986.73	6,986.73	145.72	242.18	90.03	193.65	-3,230.37	2,494.75	2,108.02	386.73	6.451		
12,200.00	6,970.98	6,986.98	6,986.98	148.47	242.19	90.03	193.65	-3,230.37	2,514.79	2,126.16	388.63	6.471		
12,300.00	6,971.23	6,987.23	6,987.23	151.23	242.20	90.04	193.65	-3,230.37	2,538.61	2,148.31	390.30	6.504		
12,400.00	6,971.48	6,987.48	6,987.48	154.00	242.21	90.04	193.65	-3,230.37	2,566.11	2,174.38	391.73	6.551		
12,500.00	6,971.74	6,987.74	6,987.74	156.76	242.22	90.05	193.65	-3,230.37	2,597.17	2,204.22	392.95	6.609		
12,600.00	6,971.99	6,987.99	6,987.99	159.53	242.23	90.06	193.65	-3,230.37	2,631.67	2,237.72	393.95	6.680		
12,700.00	6,972.24	6,988.24	6,988.24	162.31	242.24	90.06	193.65	-3,230.37	2,669.47	2,274.72	394.75	6.762		
12,800.00	6,972.49	6,988.49	6,988.49	165.09	242.25	90.07	193.65	-3,230.37	2,710.43	2,315.08	395.36	6.856		
12,900.00	6,972.74	6,988.74	6,988.74	167.86	242.25	90.07	193.65	-3,230.37	2,754.42	2,358.63	395.79	6.959		
13,002.01	6,973.00	6,989.00	6,989.00	170.70	242.26	90.08	193.65	-3,230.37	2,802.26	2,406.19	396.07	7.075		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	2.00	-2.00	3.28	3.28	-108.60	-983.45	-2,922.66	3,083.69					
100.00	100.00	102.00	98.00	3.28	3.75	-108.60	-983.45	-2,922.66	3,083.69	3,076.65	7.03	438.427		
200.00	200.00	202.00	198.00	3.34	6.24	-108.60	-983.45	-2,922.66	3,083.69	3,074.11	9.58	322.047		
300.00	300.00	302.00	298.00	3.44	9.39	-108.60	-983.45	-2,922.66	3,083.69	3,070.85	12.83	240.279		
400.00	399.98	402.02	397.98	3.60	12.72	102.03	-983.45	-2,922.66	3,084.05	3,067.74	16.32	189.031		
500.00	499.84	502.16	497.84	3.79	16.12	102.10	-983.45	-2,922.66	3,085.15	3,065.24	19.91	154.972		
600.00	599.45	602.55	597.45	4.02	19.57	102.22	-983.45	-2,922.66	3,086.99	3,063.40	23.58	130.893		
700.00	698.70	703.30	696.70	4.29	23.04	102.39	-983.45	-2,922.66	3,089.61	3,062.28	27.33	113.049		
800.00	797.47	804.53	795.47	4.60	26.54	102.60	-983.45	-2,922.66	3,093.03	3,061.89	31.14	99.328		
900.00	895.62	906.38	893.62	4.94	30.08	102.86	-983.45	-2,922.66	3,097.31	3,062.30	35.01	88.465		
1,000.00	993.06	1,008.94	991.06	5.31	33.64	103.15	-983.45	-2,922.66	3,102.50	3,063.55	38.95	79.658		
1,100.00	1,089.64	1,087.64	1,087.64	5.72	36.37	103.48	-983.45	-2,922.66	3,108.66	3,066.57	42.09	73.856		
1,200.00	1,185.27	1,183.27	1,183.27	6.17	39.70	103.84	-983.45	-2,922.66	3,115.86	3,070.01	45.86	67.946		
1,300.00	1,279.82	1,277.82	1,277.82	6.65	42.99	104.23	-983.45	-2,922.66	3,124.19	3,074.56	49.62	62.956		
1,400.00	1,373.17	1,371.17	1,371.17	7.17	46.24	104.64	-983.45	-2,922.66	3,133.72	3,080.33	53.39	58.698		
1,479.95	1,446.87	1,444.87	1,444.87	7.61	48.81	104.98	-983.45	-2,922.66	3,142.26	3,085.87	56.39	55.724		
1,500.00	1,465.24	1,463.24	1,463.24	7.72	49.45	105.11	-983.45	-2,922.66	3,144.52	3,087.38	57.14	55.030		
1,600.00	1,556.88	1,554.88	1,554.88	8.31	52.64	105.76	-983.45	-2,922.66	3,156.07	3,095.16	60.91	51.817		
1,700.00	1,648.52	1,646.52	1,646.52	8.92	55.83	106.40	-983.45	-2,922.66	3,168.08	3,103.39	64.69	48.973		
1,800.00	1,740.15	1,738.15	1,738.15	9.54	59.02	107.04	-983.45	-2,922.66	3,180.55	3,112.07	68.48	46.442		
1,900.00	1,831.79	1,829.79	1,829.79	10.17	62.22	107.68	-983.45	-2,922.66	3,193.48	3,121.19	72.29	44.176		
2,000.00	1,923.43	1,921.43	1,921.43	10.81	65.41	108.31	-983.45	-2,922.66	3,206.85	3,130.75	76.10	42.139		
2,100.00	2,015.06	2,013.06	2,013.06	11.46	68.61	108.93	-983.45	-2,922.66	3,220.67	3,140.75	79.92	40.299		
2,200.00	2,106.70	2,104.70	2,104.70	12.11	71.80	109.55	-983.45	-2,922.66	3,234.92	3,151.18	83.74	38.630		
2,300.00	2,198.34	2,203.66	2,196.34	12.78	75.26	110.17	-983.45	-2,922.66	3,249.60	3,161.78	87.82	37.002		
2,400.00	2,289.98	2,287.98	2,287.98	13.44	78.20	110.78	-983.45	-2,922.66	3,264.71	3,173.31	91.40	35.721		
2,500.00	2,381.61	2,379.61	2,379.61	14.11	81.39	111.39	-983.45	-2,922.66	3,280.24	3,185.01	95.23	34.447		
2,600.00	2,473.25	2,471.25	2,471.25	14.79	84.59	111.99	-983.45	-2,922.66	3,296.18	3,197.12	99.06	33.276		
2,700.00	2,564.89	2,562.89	2,562.89	15.47	87.79	112.59	-983.45	-2,922.66	3,312.52	3,209.64	102.89	32.196		
2,800.00	2,656.52	2,654.52	2,654.52	16.15	90.98	113.18	-983.45	-2,922.66	3,329.27	3,222.55	106.72	31.197		
2,900.00	2,748.16	2,746.16	2,746.16	16.83	94.18	113.76	-983.45	-2,922.66	3,346.41	3,235.87	110.55	30.271		
3,000.00	2,839.80	2,837.80	2,837.80	17.52	97.38	114.35	-983.45	-2,922.66	3,363.95	3,249.57	114.38	29.411		
3,100.00	2,931.43	2,929.43	2,929.43	18.20	100.57	114.92	-983.45	-2,922.66	3,381.86	3,263.66	118.20	28.610		
3,200.00	3,023.07	3,021.07	3,021.07	18.89	103.77	115.49	-983.45	-2,922.66	3,400.15	3,278.12	122.03	27.863		
3,300.00	3,114.71	3,112.71	3,112.71	19.58	106.97	116.06	-983.45	-2,922.66	3,418.81	3,292.96	125.86	27.164		
3,400.00	3,206.35	3,204.35	3,204.35	20.27	110.17	116.62	-983.45	-2,922.66	3,437.84	3,308.16	129.68	26.510		
3,500.00	3,297.98	3,304.02	3,295.98	20.97	113.65	117.17	-983.45	-2,922.66	3,457.23	3,323.45	133.78	25.842		
3,600.00	3,389.62	3,387.62	3,387.62	21.66	116.56	117.72	-983.45	-2,922.66	3,476.97	3,339.65	137.32	25.320		
3,700.00	3,481.26	3,479.26	3,479.26	22.36	119.76	118.26	-983.45	-2,922.66	3,497.06	3,355.91	141.14	24.777		
3,800.00	3,572.89	3,570.89	3,570.89	23.05	122.96	118.80	-983.45	-2,922.66	3,517.48	3,372.52	144.96	24.266		
3,900.00	3,664.53	3,662.53	3,662.53	23.75	126.16	119.33	-983.45	-2,922.66	3,538.25	3,389.47	148.77	23.783		
4,000.00	3,756.17	3,754.17	3,754.17	24.45	129.35	119.86	-983.45	-2,922.66	3,559.34	3,406.75	152.58	23.327		
4,100.00	3,847.80	3,845.80	3,845.80	25.14	132.55	120.38	-983.45	-2,922.66	3,580.75	3,424.36	156.39	22.896		
4,200.00	3,939.44	3,937.44	3,937.44	25.84	135.75	120.90	-983.45	-2,922.66	3,602.48	3,442.28	160.20	22.487		
4,300.00	4,031.08	4,029.08	4,029.08	26.54	138.95	121.41	-983.45	-2,922.66	3,624.53	3,460.52	164.01	22.100		
4,400.00	4,122.72	4,120.72	4,120.72	27.24	142.15	121.91	-983.45	-2,922.66	3,646.88	3,479.07	167.81	21.732		
4,500.00	4,214.35	4,212.35	4,212.35	27.94	145.35	122.41	-983.45	-2,922.66	3,669.53	3,497.92	171.61	21.383		
4,600.00	4,305.99	4,303.99	4,303.99	28.64	148.54	122.91	-983.45	-2,922.66	3,692.48	3,517.07	175.41	21.051		
4,700.00	4,397.63	4,404.37	4,395.63	29.35	152.05	123.39	-983.45	-2,922.66	3,715.71	3,536.21	179.51	20.700		
4,800.00	4,489.26	4,487.26	4,487.26	30.05	154.94	123.88	-983.45	-2,922.66	3,739.23	3,556.24	182.99	20.434		
4,900.00	4,580.90	4,578.90	4,578.90	30.75	158.14	124.36	-983.45	-2,922.66	3,763.03	3,576.25	186.79	20.146		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,670.54	4,670.54	31.45	161.34	124.83	-983.45	-2,922.66	3,787.10	3,596.53	190.57	19.872		
5,100.00	4,764.17	4,762.17	4,762.17	32.16	164.54	125.29	-983.45	-2,922.66	3,811.45	3,617.09	194.36	19.610		
5,200.00	4,855.81	4,853.81	4,853.81	32.86	167.73	125.76	-983.45	-2,922.66	3,836.05	3,637.91	198.14	19.360		
5,300.00	4,947.45	4,945.45	4,945.45	33.56	170.93	126.21	-983.45	-2,922.66	3,860.91	3,658.99	201.93	19.120		
5,400.00	5,039.08	5,037.08	5,037.08	34.27	174.13	126.66	-983.45	-2,922.66	3,886.03	3,680.32	205.71	18.891		
5,500.00	5,130.72	5,128.72	5,128.72	34.97	177.33	127.11	-983.45	-2,922.66	3,911.39	3,701.91	209.48	18.672		
5,600.00	5,222.36	5,220.36	5,220.36	35.68	180.53	127.55	-983.45	-2,922.66	3,937.00	3,723.74	213.26	18.461		
5,700.00	5,314.00	5,312.00	5,312.00	36.38	183.73	127.99	-983.45	-2,922.66	3,962.85	3,745.82	217.03	18.259		
5,800.00	5,405.63	5,403.63	5,403.63	37.08	186.92	128.42	-983.45	-2,922.66	3,988.93	3,768.13	220.80	18.065		
5,900.00	5,497.27	5,495.27	5,495.27	37.79	190.45	128.84	-983.45	-2,922.66	4,015.24	3,790.34	224.90	17.853		
6,000.00	5,588.91	5,586.91	5,586.91	38.50	193.32	129.26	-983.45	-2,922.66	4,041.78	3,813.44	228.34	17.701		
6,100.00	5,680.54	5,678.54	5,678.54	39.20	196.52	129.68	-983.45	-2,922.66	4,068.54	3,836.43	232.11	17.529		
6,200.00	5,772.18	5,770.18	5,770.18	39.91	199.72	130.09	-983.45	-2,922.66	4,095.51	3,859.64	235.87	17.363		
6,300.00	5,863.82	5,861.82	5,861.82	40.61	202.92	130.49	-983.45	-2,922.66	4,122.70	3,883.06	239.63	17.204		
6,400.00	5,955.45	5,953.45	5,953.45	41.32	206.12	130.89	-983.45	-2,922.66	4,150.09	3,906.70	243.39	17.051		
6,500.00	6,047.09	6,045.09	6,045.09	42.02	209.31	131.29	-983.45	-2,922.66	4,177.69	3,930.54	247.15	16.903		
6,600.00	6,138.73	6,136.73	6,136.73	42.73	212.51	131.68	-983.45	-2,922.66	4,205.49	3,954.58	250.91	16.761		
6,700.00	6,230.37	6,228.37	6,228.37	43.44	215.71	132.07	-983.45	-2,922.66	4,233.48	3,978.82	254.66	16.624		
6,712.03	6,241.39	6,239.39	6,239.39	43.52	216.10	132.11	-983.45	-2,922.66	4,236.86	3,981.75	255.11	16.608		
6,750.00	6,276.38	6,274.38	6,274.38	43.78	217.32	124.71	-983.45	-2,922.66	4,246.49	3,989.95	256.54	16.553		
6,800.00	6,322.91	6,320.91	6,320.91	44.09	218.94	113.72	-983.45	-2,922.66	4,255.94	3,997.51	258.42	16.469		
6,850.00	6,369.70	6,367.70	6,367.70	44.36	220.58	101.93	-983.45	-2,922.66	4,261.67	4,001.38	260.29	16.373		
6,900.00	6,416.45	6,414.45	6,414.45	44.59	222.21	90.37	-983.45	-2,922.66	4,263.66	4,001.53	262.13	16.265		
6,950.00	6,462.87	6,460.87	6,460.87	44.79	223.83	79.98	-983.45	-2,922.66	4,261.92	3,997.99	263.93	16.148		
7,000.00	6,508.69	6,506.69	6,506.69	44.95	225.43	71.29	-983.45	-2,922.66	4,256.46	3,990.80	265.66	16.022		
7,050.00	6,553.61	6,551.61	6,551.61	45.09	227.00	64.36	-983.45	-2,922.66	4,247.32	3,979.99	267.33	15.888		
7,100.00	6,597.37	6,595.37	6,595.37	45.20	228.85	59.00	-983.45	-2,922.66	4,234.58	3,965.34	269.24	15.728		
7,150.00	6,639.68	6,637.68	6,637.68	45.30	230.00	54.96	-983.45	-2,922.66	4,218.31	3,947.89	270.42	15.599		
7,200.00	6,680.29	6,678.29	6,678.29	45.39	231.42	52.00	-983.45	-2,922.66	4,198.64	3,926.79	271.84	15.445		
7,250.00	6,718.96	6,716.96	6,716.96	45.48	232.77	49.93	-983.45	-2,922.66	4,175.67	3,902.51	273.16	15.286		
7,300.00	6,755.43	6,753.43	6,753.43	45.57	234.04	48.64	-983.45	-2,922.66	4,149.56	3,875.18	274.39	15.123		
7,350.00	6,789.49	6,787.49	6,787.49	45.67	235.23	48.02	-983.45	-2,922.66	4,120.48	3,844.97	275.51	14.956		
7,400.00	6,820.93	6,818.93	6,818.93	45.77	236.33	48.05	-983.45	-2,922.66	4,088.60	3,812.08	276.52	14.786		
7,450.00	6,849.55	6,847.55	6,847.55	45.89	237.33	48.72	-983.45	-2,922.66	4,054.12	3,776.69	277.43	14.613		
7,500.00	6,875.17	6,873.17	6,873.17	46.02	238.22	50.06	-983.45	-2,922.66	4,017.25	3,739.02	278.23	14.439		
7,550.00	6,897.64	6,895.64	6,895.64	46.17	239.31	52.17	-983.45	-2,922.66	3,978.22	3,698.99	279.23	14.247		
7,600.00	6,916.82	6,914.82	6,914.82	46.35	239.67	55.16	-983.45	-2,922.66	3,937.25	3,657.75	279.50	14.087		
7,650.00	6,932.60	6,930.60	6,930.60	46.55	240.22	59.22	-983.45	-2,922.66	3,894.60	3,614.63	279.97	13.911		
7,700.00	6,944.86	6,942.86	6,942.86	46.78	240.65	64.62	-983.45	-2,922.66	3,850.52	3,570.18	280.33	13.735		
7,750.00	6,953.55	6,951.55	6,951.55	47.04	240.96	71.65	-983.45	-2,922.66	3,805.26	3,524.68	280.58	13.562		
7,800.00	6,958.59	6,956.59	6,956.59	47.33	241.13	80.57	-983.45	-2,922.66	3,759.10	3,478.38	280.73	13.391		
7,842.10	6,960.00	6,958.00	6,958.00	47.60	241.18	89.61	-983.45	-2,922.66	3,719.74	3,438.98	280.76	13.249		
7,900.00	6,960.15	6,958.15	6,958.15	48.01	241.19	89.61	-983.45	-2,922.66	3,665.41	3,384.65	280.76	13.055		
8,000.00	6,960.40	6,958.40	6,958.40	48.86	241.20	89.62	-983.45	-2,922.66	3,571.85	3,291.07	280.79	12.721		
8,100.00	6,960.65	6,958.65	6,958.65	49.87	241.20	89.63	-983.45	-2,922.66	3,478.65	3,197.80	280.86	12.386		
8,200.00	6,960.91	6,958.91	6,958.91	51.06	241.21	89.65	-983.45	-2,922.66	3,385.84	3,104.87	280.98	12.050		
8,300.00	6,961.16	6,959.16	6,959.16	52.41	241.22	89.66	-983.45	-2,922.66	3,293.45	3,012.30	281.16	11.714		
8,400.00	6,961.41	6,959.41	6,959.41	53.93	241.23	89.67	-983.45	-2,922.66	3,201.52	2,920.12	281.40	11.377		
8,500.00	6,961.66	6,959.66	6,959.66	55.59	241.24	89.68	-983.45	-2,922.66	3,110.08	2,828.37	281.72	11.040		
8,600.00	6,961.91	6,959.91	6,959.91	57.37	241.25	89.69	-983.45	-2,922.66	3,019.19	2,737.07	282.12	10.702		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - MONTERA I #11-14(PR) - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,700.00	6,962.16	6,960.16	6,960.16	59.27	241.26	89.70	-983.45	-2,922.66	2,928.89	2,646.27	282.62	10.363				
8,800.00	6,962.42	6,960.42	6,960.42	61.26	241.27	89.71	-983.45	-2,922.66	2,839.24	2,556.01	283.24	10.024				
8,900.00	6,962.67	6,960.67	6,960.67	63.34	241.27	89.72	-983.45	-2,922.66	2,750.31	2,466.33	283.97	9.685				
9,000.00	6,962.92	6,960.92	6,960.92	65.49	241.28	89.74	-983.45	-2,922.66	2,662.16	2,377.31	284.85	9.346				
9,100.00	6,963.17	6,961.17	6,961.17	67.70	241.29	89.75	-983.45	-2,922.66	2,574.88	2,288.99	285.88	9.007				
9,200.00	6,963.42	6,961.42	6,961.42	69.97	241.30	89.76	-983.45	-2,922.66	2,488.55	2,201.46	287.09	8.668				
9,300.00	6,963.68	6,961.68	6,961.68	72.28	241.31	89.77	-983.45	-2,922.66	2,403.28	2,114.80	288.48	8.331				
9,400.00	6,963.93	6,961.93	6,961.93	74.64	241.32	89.78	-983.45	-2,922.66	2,319.19	2,029.11	290.09	7.995				
9,500.00	6,964.18	6,962.18	6,962.18	77.04	241.33	89.79	-983.45	-2,922.66	2,236.42	1,944.50	291.92	7.661				
9,600.00	6,964.43	6,962.43	6,962.43	79.48	241.34	89.80	-983.45	-2,922.66	2,155.10	1,861.10	294.00	7.330				
9,700.00	6,964.68	6,962.68	6,962.68	81.94	241.34	89.82	-983.45	-2,922.66	2,075.41	1,779.08	296.34	7.004				
9,800.00	6,964.94	6,962.94	6,962.94	84.43	241.35	89.83	-983.45	-2,922.66	1,997.56	1,698.59	298.97	6.682				
9,900.00	6,965.19	6,963.19	6,963.19	86.95	241.36	89.84	-983.45	-2,922.66	1,921.75	1,619.86	301.89	6.366				
10,000.00	6,965.44	6,963.44	6,963.44	89.49	241.37	89.85	-983.45	-2,922.66	1,848.25	1,543.12	305.13	6.057				
10,100.00	6,965.69	6,963.69	6,963.69	92.05	241.38	89.86	-983.45	-2,922.66	1,777.33	1,468.64	308.70	5.758				
10,200.00	6,965.94	6,963.94	6,963.94	94.63	241.39	89.87	-983.45	-2,922.66	1,709.33	1,396.75	312.58	5.468				
10,300.00	6,966.19	6,964.19	6,964.19	97.22	241.40	89.88	-983.45	-2,922.66	1,644.60	1,327.80	316.79	5.191				
10,400.00	6,966.45	6,964.45	6,964.45	99.83	241.41	89.89	-983.45	-2,922.66	1,583.54	1,262.23	321.31	4.928				
10,500.00	6,966.70	6,964.70	6,964.70	102.46	241.41	89.91	-983.45	-2,922.66	1,526.59	1,200.49	326.11	4.681				
10,600.00	6,966.95	6,964.95	6,964.95	105.09	241.42	89.92	-983.45	-2,922.66	1,474.24	1,143.11	331.13	4.452				
10,700.00	6,967.20	6,965.20	6,965.20	107.74	241.43	89.93	-983.45	-2,922.66	1,426.98	1,090.66	336.32	4.243				
10,800.00	6,967.45	6,965.45	6,965.45	110.41	241.44	89.94	-983.45	-2,922.66	1,385.34	1,043.75	341.59	4.056				
10,900.00	6,967.71	6,965.71	6,965.71	113.08	241.45	89.95	-983.45	-2,922.66	1,349.83	1,003.00	346.83	3.892				
11,000.00	6,967.96	6,965.96	6,965.96	115.76	241.46	89.96	-983.45	-2,922.66	1,320.96	969.05	351.91	3.754				
11,100.00	6,968.21	6,966.21	6,966.21	118.45	241.47	89.97	-983.45	-2,922.66	1,299.17	942.46	356.71	3.642				
11,200.00	6,968.46	6,966.46	6,966.46	121.15	241.48	89.98	-983.45	-2,922.66	1,284.81	923.74	361.07	3.558				
11,300.00	6,968.71	6,966.71	6,966.71	123.85	241.49	90.00	-983.45	-2,922.66	1,278.13	913.25	364.88	3.503				
11,335.55	6,968.80	6,966.80	6,966.80	124.82	241.49	90.00	-983.45	-2,922.66	1,277.64	911.55	366.09	3.490 CC				
11,400.00	6,968.97	6,966.97	6,966.97	126.56	241.49	90.01	-983.45	-2,922.66	1,279.26	911.21	368.05	3.476 ES, SF				
11,500.00	6,969.22	6,967.22	6,967.22	129.28	241.50	90.02	-983.45	-2,922.66	1,288.18	917.66	370.51	3.477				
11,600.00	6,969.47	6,967.47	6,967.47	132.01	241.51	90.03	-983.45	-2,922.66	1,304.72	932.47	372.25	3.505				
11,700.00	6,969.72	6,967.72	6,967.72	134.74	241.52	90.04	-983.45	-2,922.66	1,328.60	955.32	373.28	3.559				
11,800.00	6,969.97	6,967.97	6,967.97	137.48	241.53	90.05	-983.45	-2,922.66	1,359.44	985.77	373.66	3.638				
11,900.00	6,970.22	6,968.22	6,968.22	140.22	241.54	90.06	-983.45	-2,922.66	1,396.77	1,023.30	373.47	3.740				
12,000.00	6,970.48	6,968.48	6,968.48	142.97	241.55	90.08	-983.45	-2,922.66	1,440.09	1,067.30	372.79	3.863				
12,100.00	6,970.73	6,968.73	6,968.73	145.72	241.56	90.09	-983.45	-2,922.66	1,488.87	1,117.15	371.72	4.005				
12,200.00	6,970.98	6,968.98	6,968.98	148.47	241.56	90.10	-983.45	-2,922.66	1,542.61	1,172.26	370.35	4.165				
12,300.00	6,971.23	6,969.23	6,969.23	151.23	241.57	90.11	-983.45	-2,922.66	1,600.79	1,232.04	368.75	4.341				
12,400.00	6,971.48	6,969.48	6,969.48	154.00	241.58	90.12	-983.45	-2,922.66	1,662.95	1,295.96	367.00	4.531				
12,500.00	6,971.74	6,969.74	6,969.74	156.76	241.59	90.13	-983.45	-2,922.66	1,728.67	1,363.52	365.15	4.734				
12,600.00	6,971.99	6,969.99	6,969.99	159.53	241.60	90.14	-983.45	-2,922.66	1,797.55	1,434.30	363.25	4.949				
12,700.00	6,972.24	6,970.24	6,970.24	162.31	241.61	90.15	-983.45	-2,922.66	1,869.25	1,507.91	361.34	5.173				
12,800.00	6,972.49	6,970.49	6,970.49	165.09	241.62	90.17	-983.45	-2,922.66	1,943.44	1,584.00	359.44	5.407				
12,900.00	6,972.74	6,970.74	6,970.74	167.86	241.63	90.18	-983.45	-2,922.66	2,019.87	1,662.29	357.58	5.649				
13,002.01	6,973.00	6,971.00	6,971.00	170.70	241.63	90.19	-983.45	-2,922.66	2,099.87	1,744.14	355.72	5.903				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	-176.83	-3,863.83	-213.89	3,869.80					
100.00	100.00	78.00	78.00	3.28	3.55	-176.83	-3,863.83	-213.89	3,869.74	3,862.90	6.84	566.078		
200.00	200.00	178.00	178.00	3.34	5.54	-176.83	-3,863.83	-213.89	3,869.74	3,860.86	8.88	435.776		
300.00	300.00	278.00	278.00	3.44	8.61	-176.83	-3,863.83	-213.89	3,869.74	3,857.69	12.05	321.041		
400.00	399.98	377.98	377.98	3.60	11.91	33.80	-3,863.83	-213.89	3,868.29	3,852.78	15.51	249.459		
500.00	499.84	477.84	477.84	3.79	15.29	33.89	-3,863.83	-213.89	3,863.94	3,844.86	19.08	202.512		
600.00	599.45	577.45	577.45	4.02	18.70	34.04	-3,863.83	-213.89	3,856.70	3,833.98	22.73	169.710		
700.00	698.70	676.70	676.70	4.29	22.12	34.26	-3,863.83	-213.89	3,846.60	3,820.18	26.41	145.624		
800.00	797.47	775.47	775.47	4.60	25.54	34.54	-3,863.83	-213.89	3,833.64	3,803.51	30.13	127.233		
900.00	895.62	873.62	873.62	4.94	28.94	34.88	-3,863.83	-213.89	3,817.86	3,784.00	33.86	112.747		
1,000.00	993.06	971.06	971.06	5.31	32.32	35.29	-3,863.83	-213.89	3,799.30	3,761.70	37.60	101.048		
1,100.00	1,089.64	1,067.64	1,067.64	5.72	35.68	35.77	-3,863.83	-213.89	3,777.99	3,736.66	41.33	91.402		
1,200.00	1,185.27	1,163.27	1,163.27	6.17	39.00	36.32	-3,863.83	-213.89	3,753.99	3,708.93	45.06	83.310		
1,300.00	1,279.82	1,257.82	1,257.82	6.65	42.29	36.94	-3,863.83	-213.89	3,727.36	3,678.58	48.77	76.420		
1,400.00	1,373.17	1,351.17	1,351.17	7.17	45.54	37.64	-3,863.83	-213.89	3,698.15	3,645.68	52.47	70.480		
1,479.95	1,446.87	1,424.87	1,424.87	7.61	48.11	38.25	-3,863.83	-213.89	3,672.99	3,617.58	55.41	66.285		
1,500.00	1,465.24	1,443.24	1,443.24	7.72	48.75	38.33	-3,863.83	-213.89	3,666.49	3,610.34	56.15	65.299		
1,600.00	1,556.88	1,534.88	1,534.88	8.31	51.94	38.71	-3,863.83	-213.89	3,634.14	3,574.32	59.82	60.750		
1,700.00	1,648.52	1,626.52	1,626.52	8.92	55.13	39.09	-3,863.83	-213.89	3,601.95	3,538.44	63.51	56.715		
1,800.00	1,740.15	1,718.15	1,718.15	9.54	58.33	39.48	-3,863.83	-213.89	3,569.92	3,502.71	67.21	53.113		
1,900.00	1,831.79	1,809.79	1,809.79	10.17	61.52	39.88	-3,863.83	-213.89	3,538.05	3,467.13	70.93	49.881		
2,000.00	1,923.43	1,901.43	1,901.43	10.81	64.72	40.29	-3,863.83	-213.89	3,506.35	3,431.70	74.66	46.966		
2,100.00	2,015.06	2,006.94	2,006.94	11.46	68.40	40.70	-3,863.83	-213.89	3,474.82	3,395.95	78.88	44.053		
2,200.00	2,106.70	2,084.70	2,084.70	12.11	71.11	41.12	-3,863.83	-213.89	3,443.47	3,361.33	82.14	41.921		
2,300.00	2,198.34	2,176.34	2,176.34	12.78	74.30	41.54	-3,863.83	-213.89	3,412.30	3,326.41	85.90	39.726		
2,400.00	2,289.98	2,267.98	2,267.98	13.44	77.50	41.98	-3,863.83	-213.89	3,381.32	3,291.66	89.66	37.713		
2,500.00	2,381.61	2,359.61	2,359.61	14.11	80.70	42.42	-3,863.83	-213.89	3,350.53	3,257.10	93.43	35.862		
2,600.00	2,473.25	2,451.25	2,451.25	14.79	83.89	42.87	-3,863.83	-213.89	3,319.93	3,222.72	97.21	34.153		
2,700.00	2,564.89	2,542.89	2,542.89	15.47	87.09	43.32	-3,863.83	-213.89	3,289.54	3,188.55	100.99	32.573		
2,800.00	2,656.52	2,634.52	2,634.52	16.15	90.29	43.79	-3,863.83	-213.89	3,259.35	3,154.57	104.78	31.106		
2,900.00	2,748.16	2,726.16	2,726.16	16.83	93.48	44.26	-3,863.83	-213.89	3,229.38	3,120.81	108.58	29.743		
3,000.00	2,839.80	2,817.80	2,817.80	17.52	96.68	44.74	-3,863.83	-213.89	3,199.63	3,087.25	112.38	28.472		
3,100.00	2,931.43	2,909.43	2,909.43	18.20	99.88	45.23	-3,863.83	-213.89	3,170.11	3,053.92	116.19	27.285		
3,200.00	3,023.07	3,001.07	3,001.07	18.89	103.07	45.72	-3,863.83	-213.89	3,140.82	3,020.82	120.00	26.173		
3,300.00	3,114.71	3,107.29	3,107.29	19.58	106.78	46.23	-3,863.83	-213.89	3,111.77	2,987.44	124.33	25.029		
3,400.00	3,206.35	3,184.35	3,184.35	20.27	109.47	46.74	-3,863.83	-213.89	3,082.96	2,955.32	127.65	24.153		
3,500.00	3,297.98	3,275.98	3,275.98	20.97	112.67	47.27	-3,863.83	-213.89	3,054.41	2,922.94	131.48	23.232		
3,600.00	3,389.62	3,367.62	3,367.62	21.66	115.86	47.80	-3,863.83	-213.89	3,026.12	2,890.81	135.31	22.364		
3,700.00	3,481.26	3,459.26	3,459.26	22.36	119.06	48.34	-3,863.83	-213.89	2,998.10	2,858.94	139.15	21.545		
3,800.00	3,572.89	3,550.89	3,550.89	23.05	122.26	48.89	-3,863.83	-213.89	2,970.35	2,827.35	143.00	20.772		
3,900.00	3,664.53	3,642.53	3,642.53	23.75	125.46	49.45	-3,863.83	-213.89	2,942.88	2,796.03	146.85	20.040		
4,000.00	3,756.17	3,734.17	3,734.17	24.45	128.66	50.02	-3,863.83	-213.89	2,915.70	2,764.99	150.71	19.346		
4,100.00	3,847.80	3,825.80	3,825.80	25.14	131.85	50.59	-3,863.83	-213.89	2,888.83	2,734.25	154.57	18.689		
4,200.00	3,939.44	3,917.44	3,917.44	25.84	135.05	51.18	-3,863.83	-213.89	2,862.26	2,703.82	158.44	18.065		
4,300.00	4,031.08	4,009.08	4,009.08	26.54	138.25	51.78	-3,863.83	-213.89	2,836.01	2,673.69	162.32	17.472		
4,400.00	4,122.72	4,100.72	4,100.72	27.24	141.45	52.39	-3,863.83	-213.89	2,810.08	2,643.88	166.20	16.908		
4,500.00	4,214.35	4,207.65	4,207.65	27.94	145.18	53.01	-3,863.83	-213.89	2,784.49	2,613.87	170.62	16.320		
4,600.00	4,305.99	4,283.99	4,283.99	28.64	147.85	53.64	-3,863.83	-213.89	2,759.24	2,585.26	173.97	15.860		
4,700.00	4,397.63	4,375.63	4,375.63	29.35	151.04	54.28	-3,863.83	-213.89	2,734.34	2,556.47	177.87	15.373		
4,800.00	4,489.26	4,467.26	4,467.26	30.05	154.24	54.92	-3,863.83	-213.89	2,709.81	2,528.03	181.77	14.908		
4,900.00	4,580.90	4,558.90	4,558.90	30.75	157.44	55.58	-3,863.83	-213.89	2,685.65	2,499.97	185.68	14.464		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,672.54	4,650.54	4,650.54	31.45	160.64	56.25	-3,863.83	-213.89	2,661.87	2,472.27	189.59	14.040			
5,100.00	4,764.17	4,742.17	4,742.17	32.16	163.84	56.94	-3,863.83	-213.89	2,638.48	2,444.97	193.51	13.635			
5,200.00	4,855.81	4,833.81	4,833.81	32.86	167.04	57.63	-3,863.83	-213.89	2,615.50	2,418.06	197.44	13.247			
5,300.00	4,947.45	4,925.45	4,925.45	33.56	170.23	58.33	-3,863.83	-213.89	2,592.93	2,391.57	201.37	12.877			
5,400.00	5,039.08	5,017.08	5,017.08	34.27	173.43	59.04	-3,863.83	-213.89	2,570.79	2,365.49	205.30	12.522			
5,500.00	5,130.72	5,108.72	5,108.72	34.97	176.63	59.77	-3,863.83	-213.89	2,549.09	2,339.85	209.24	12.183			
5,600.00	5,222.36	5,200.36	5,200.36	35.68	179.83	60.50	-3,863.83	-213.89	2,527.83	2,314.64	213.19	11.857			
5,700.00	5,314.00	5,308.00	5,292.00	36.38	183.59	61.25	-3,863.83	-213.89	2,507.03	2,289.34	217.70	11.516			
5,800.00	5,405.63	5,383.63	5,383.63	37.08	186.23	62.00	-3,863.83	-213.89	2,486.70	2,265.61	221.09	11.247			
5,900.00	5,497.27	5,475.27	5,475.27	37.79	189.42	62.77	-3,863.83	-213.89	2,466.86	2,241.81	225.05	10.961			
6,000.00	5,588.91	5,566.91	5,566.91	38.50	192.62	63.55	-3,863.83	-213.89	2,447.51	2,218.49	229.02	10.687			
6,100.00	5,680.54	5,658.54	5,658.54	39.20	195.82	64.34	-3,863.83	-213.89	2,428.66	2,195.68	232.98	10.424			
6,200.00	5,772.18	5,750.18	5,750.18	39.91	199.02	65.14	-3,863.83	-213.89	2,410.33	2,173.37	236.96	10.172			
6,300.00	5,863.82	5,841.82	5,841.82	40.61	202.22	65.95	-3,863.83	-213.89	2,392.53	2,151.60	240.93	9.930			
6,400.00	5,955.45	5,933.45	5,933.45	41.32	205.42	66.77	-3,863.83	-213.89	2,375.27	2,130.36	244.91	9.698			
6,500.00	6,047.09	6,025.09	6,025.09	42.02	208.62	67.60	-3,863.83	-213.89	2,358.57	2,109.67	248.90	9.476			
6,600.00	6,138.73	6,116.73	6,116.73	42.73	211.82	68.44	-3,863.83	-213.89	2,342.43	2,089.55	252.88	9.263			
6,700.00	6,230.37	6,208.37	6,208.37	43.44	215.01	69.29	-3,863.83	-213.89	2,326.87	2,070.00	256.87	9.058			
6,712.03	6,241.39	6,219.39	6,219.39	43.52	215.40	69.39	-3,863.83	-213.89	2,325.04	2,067.68	257.35	9.034			
6,750.00	6,276.38	6,254.38	6,254.38	43.78	216.62	61.91	-3,863.83	-213.89	2,318.58	2,059.72	258.86	8.957			
6,800.00	6,322.91	6,300.91	6,300.91	44.09	218.24	50.53	-3,863.83	-213.89	2,307.97	2,047.15	260.82	8.849			
6,850.00	6,369.70	6,347.70	6,347.70	44.36	219.88	38.02	-3,863.83	-213.89	2,294.98	2,032.24	262.74	8.735			
6,900.00	6,416.45	6,405.55	6,394.45	44.59	221.90	25.37	-3,863.83	-213.89	2,279.65	2,014.64	265.01	8.602			
6,950.00	6,462.87	6,440.87	6,440.87	44.79	223.13	13.53	-3,863.83	-213.89	2,262.03	1,995.59	266.44	8.490			
7,000.00	6,508.69	6,486.69	6,486.69	44.95	224.73	3.00	-3,863.83	-213.89	2,242.20	1,973.99	268.21	8.360			
7,050.00	6,553.61	6,531.61	6,531.61	45.09	226.30	-6.21	-3,863.83	-213.89	2,220.29	1,950.37	269.92	8.226			
7,100.00	6,597.37	6,575.37	6,575.37	45.20	227.82	-14.29	-3,863.83	-213.89	2,196.42	1,924.85	271.57	8.088			
7,150.00	6,639.68	6,617.68	6,617.68	45.30	229.30	-21.55	-3,863.83	-213.89	2,170.76	1,897.60	273.17	7.947			
7,200.00	6,680.29	6,658.29	6,658.29	45.39	230.72	-28.24	-3,863.83	-213.89	2,143.50	1,868.81	274.69	7.803			
7,250.00	6,718.96	6,703.04	6,696.96	45.48	232.28	-34.56	-3,863.83	-213.89	2,114.86	1,838.50	276.36	7.652			
7,300.00	6,755.43	6,733.43	6,733.43	45.57	233.34	-40.65	-3,863.83	-213.89	2,085.07	1,807.53	277.54	7.513			
7,350.00	6,789.49	6,767.49	6,767.49	45.67	234.53	-46.60	-3,863.83	-213.89	2,054.39	1,775.55	278.85	7.367			
7,400.00	6,820.93	6,801.07	6,798.93	45.77	235.70	-52.42	-3,863.83	-213.89	2,023.11	1,742.96	280.15	7.222			
7,450.00	6,849.55	6,827.55	6,827.55	45.89	236.63	-58.09	-3,863.83	-213.89	1,991.52	1,710.30	281.22	7.082			
7,500.00	6,875.17	6,853.17	6,853.17	46.02	237.52	-63.56	-3,863.83	-213.89	1,959.93	1,677.65	282.28	6.943			
7,550.00	6,897.64	6,875.64	6,875.64	46.17	238.31	-68.75	-3,863.83	-213.89	1,928.66	1,645.41	283.25	6.809			
7,600.00	6,916.82	6,905.18	6,894.82	46.35	239.34	-73.58	-3,863.83	-213.89	1,898.05	1,613.56	284.49	6.672			
7,650.00	6,932.60	6,910.60	6,910.60	46.55	239.53	-77.96	-3,863.83	-213.89	1,868.42	1,583.50	284.92	6.558			
7,700.00	6,944.86	6,922.86	6,922.86	46.78	239.95	-81.85	-3,863.83	-213.89	1,840.09	1,554.47	285.61	6.443			
7,750.00	6,953.55	6,931.55	6,931.55	47.04	240.26	-85.20	-3,863.83	-213.89	1,813.37	1,527.16	286.21	6.336			
7,800.00	6,958.59	6,936.59	6,936.59	47.33	240.43	-88.00	-3,863.83	-213.89	1,788.56	1,501.85	286.71	6.238			
7,842.10	6,960.00	6,938.00	6,938.00	47.60	240.48	-89.93	-3,863.83	-213.89	1,769.36	1,482.30	287.06	6.164			
7,900.00	6,960.15	6,938.15	6,938.15	48.01	240.49	-89.94	-3,863.83	-213.89	1,744.84	1,457.33	287.51	6.069			
8,000.00	6,960.40	6,938.40	6,938.40	48.86	240.50	-89.94	-3,863.83	-213.89	1,706.30	1,417.89	288.41	5.916			
8,100.00	6,960.65	6,938.65	6,938.65	49.87	240.51	-89.95	-3,863.83	-213.89	1,672.86	1,383.40	289.47	5.779			
8,200.00	6,960.91	6,938.91	6,938.91	51.06	240.51	-89.96	-3,863.83	-213.89	1,644.83	1,354.17	290.66	5.659			
8,300.00	6,961.16	6,939.16	6,939.16	52.41	240.52	-89.97	-3,863.83	-213.89	1,622.49	1,330.52	291.97	5.557			
8,400.00	6,961.41	6,939.41	6,939.41	53.93	240.53	-89.98	-3,863.83	-213.89	1,606.07	1,312.70	293.38	5.474			
8,500.00	6,961.66	6,939.66	6,939.66	55.59	240.54	-89.99	-3,863.83	-213.89	1,595.77	1,300.92	294.85	5.412			
8,600.00	6,961.91	6,939.91	6,939.91	57.37	240.55	-90.00	-3,863.83	-213.89	1,591.69	1,295.35	296.34	5.371			

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - MONTERA I #14-8 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,614.99	6,961.95	6,939.95	6,939.95	57.65	240.55	-90.00	-3,863.83	-213.89	1,591.62	1,295.05	296.57	5.367	CC, ES	
8,700.00	6,962.16	6,940.16	6,940.16	59.27	240.56	-90.01	-3,863.83	-213.89	1,593.89	1,296.05	297.83	5.352	SF	
8,800.00	6,962.42	6,940.42	6,940.42	61.26	240.57	-90.02	-3,863.83	-213.89	1,602.33	1,303.05	299.28	5.354		
8,900.00	6,962.67	6,940.67	6,940.67	63.34	240.58	-90.03	-3,863.83	-213.89	1,616.93	1,316.27	300.66	5.378		
9,000.00	6,962.92	6,940.92	6,940.92	65.49	240.58	-90.03	-3,863.83	-213.89	1,637.52	1,335.57	301.95	5.423		
9,100.00	6,963.17	6,941.17	6,941.17	67.70	240.59	-90.04	-3,863.83	-213.89	1,663.87	1,360.74	303.13	5.489		
9,200.00	6,963.42	6,941.42	6,941.42	69.97	240.60	-90.05	-3,863.83	-213.89	1,695.72	1,391.53	304.20	5.574		
9,300.00	6,963.68	6,941.68	6,941.68	72.28	240.61	-90.06	-3,863.83	-213.89	1,732.77	1,427.63	305.14	5.679		
9,400.00	6,963.93	6,941.93	6,941.93	74.64	240.62	-90.07	-3,863.83	-213.89	1,774.68	1,468.73	305.95	5.801		
9,500.00	6,964.18	6,942.18	6,942.18	77.04	240.63	-90.08	-3,863.83	-213.89	1,821.12	1,514.47	306.65	5.939		
9,600.00	6,964.43	6,942.43	6,942.43	79.48	240.64	-90.09	-3,863.83	-213.89	1,871.76	1,564.52	307.24	6.092		
9,700.00	6,964.68	6,942.68	6,942.68	81.94	240.65	-90.10	-3,863.83	-213.89	1,926.26	1,618.54	307.73	6.260		
9,800.00	6,964.94	6,942.94	6,942.94	84.43	240.66	-90.11	-3,863.83	-213.89	1,984.31	1,676.19	308.12	6.440		
9,900.00	6,965.19	6,943.19	6,943.19	86.95	240.66	-90.12	-3,863.83	-213.89	2,045.60	1,737.16	308.44	6.632		
10,000.00	6,965.44	6,943.44	6,943.44	89.49	240.67	-90.13	-3,863.83	-213.89	2,109.85	1,801.17	308.68	6.835		
10,100.00	6,965.69	6,943.69	6,943.69	92.05	240.68	-90.13	-3,863.83	-213.89	2,176.81	1,867.94	308.87	7.048		
10,200.00	6,965.94	6,943.94	6,943.94	94.63	240.69	-90.14	-3,863.83	-213.89	2,246.21	1,937.21	309.00	7.269		
10,300.00	6,966.19	6,944.19	6,944.19	97.22	240.70	-90.15	-3,863.83	-213.89	2,317.86	2,008.77	309.09	7.499		
10,400.00	6,966.45	6,944.45	6,944.45	99.83	240.71	-90.16	-3,863.83	-213.89	2,391.54	2,082.40	309.14	7.736		
10,500.00	6,966.70	6,944.70	6,944.70	102.46	240.72	-90.17	-3,863.83	-213.89	2,467.08	2,157.91	309.17	7.980		
10,600.00	6,966.95	6,944.95	6,944.95	105.09	240.73	-90.18	-3,863.83	-213.89	2,544.30	2,235.14	309.16	8.230		
10,700.00	6,967.20	6,945.20	6,945.20	107.74	240.73	-90.19	-3,863.83	-213.89	2,623.07	2,313.93	309.14	8.485		
10,800.00	6,967.45	6,945.45	6,945.45	110.41	240.74	-90.20	-3,863.83	-213.89	2,703.23	2,394.14	309.10	8.746		
10,900.00	6,967.71	6,945.71	6,945.71	113.08	240.75	-90.21	-3,863.83	-213.89	2,784.69	2,475.64	309.04	9.011		
11,000.00	6,967.96	6,945.96	6,945.96	115.76	240.76	-90.22	-3,863.83	-213.89	2,867.31	2,558.33	308.98	9.280		
11,100.00	6,968.21	6,946.21	6,946.21	118.45	240.77	-90.23	-3,863.83	-213.89	2,951.01	2,642.11	308.90	9.553		
11,200.00	6,968.46	6,946.46	6,946.46	121.15	240.78	-90.23	-3,863.83	-213.89	3,035.70	2,726.88	308.82	9.830		
11,300.00	6,968.71	6,946.71	6,946.71	123.85	240.79	-90.24	-3,863.83	-213.89	3,121.29	2,812.55	308.74	10.110		
11,400.00	6,968.97	6,946.97	6,946.97	126.56	240.80	-90.25	-3,863.83	-213.89	3,207.72	2,899.07	308.65	10.393		
11,500.00	6,969.22	6,947.22	6,947.22	129.28	240.80	-90.26	-3,863.83	-213.89	3,294.91	2,986.36	308.56	10.678		
11,600.00	6,969.47	6,947.47	6,947.47	132.01	240.81	-90.27	-3,863.83	-213.89	3,382.82	3,074.35	308.47	10.967		
11,700.00	6,969.72	6,947.72	6,947.72	134.74	240.82	-90.28	-3,863.83	-213.89	3,471.38	3,163.00	308.38	11.257		
11,800.00	6,969.97	6,947.97	6,947.97	137.48	240.83	-90.29	-3,863.83	-213.89	3,560.54	3,252.26	308.28	11.550		
11,900.00	6,970.22	6,948.22	6,948.22	140.22	240.84	-90.30	-3,863.83	-213.89	3,650.27	3,342.07	308.19	11.844		
12,000.00	6,970.48	6,948.48	6,948.48	142.97	240.85	-90.31	-3,863.83	-213.89	3,740.51	3,432.41	308.10	12.140		
12,100.00	6,970.73	6,948.73	6,948.73	145.72	240.86	-90.32	-3,863.83	-213.89	3,831.25	3,523.23	308.02	12.438		
12,200.00	6,970.98	6,948.98	6,948.98	148.47	240.87	-90.33	-3,863.83	-213.89	3,922.43	3,614.50	307.93	12.738		
12,300.00	6,971.23	6,949.23	6,949.23	151.23	240.87	-90.33	-3,863.83	-213.89	4,014.03	3,706.18	307.85	13.039		
12,400.00	6,971.48	6,949.48	6,949.48	154.00	240.88	-90.34	-3,863.83	-213.89	4,106.02	3,798.26	307.77	13.341		
12,500.00	6,971.74	6,949.74	6,949.74	156.76	240.89	-90.35	-3,863.83	-213.89	4,198.38	3,890.70	307.69	13.645		
12,600.00	6,971.99	6,949.99	6,949.99	159.53	240.90	-90.36	-3,863.83	-213.89	4,291.09	3,983.47	307.61	13.950		
12,700.00	6,972.24	6,950.24	6,950.24	162.31	240.91	-90.37	-3,863.83	-213.89	4,384.11	4,076.57	307.54	14.255		
12,800.00	6,972.49	6,950.49	6,950.49	165.09	240.92	-90.38	-3,863.83	-213.89	4,477.43	4,169.97	307.47	14.562		
12,900.00	6,972.74	6,950.74	6,950.74	167.86	240.93	-90.39	-3,863.83	-213.89	4,571.04	4,263.64	307.40	14.870		
13,002.01	6,973.00	6,951.00	6,951.00	170.70	240.94	-90.40	-3,863.83	-213.89	4,666.80	4,359.47	307.34	15.185		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	40.00	40.00	3.28	3.35	-69.91	1,604.06	-4,385.34	4,669.50					
100.00	100.00	140.00	140.00	3.28	4.54	-69.91	1,604.06	-4,385.34	4,669.50	4,661.67	7.83	596.610		
200.00	200.00	240.00	240.00	3.34	7.40	-69.91	1,604.06	-4,385.34	4,669.50	4,658.76	10.74	434.913		
300.00	300.00	340.00	340.00	3.44	10.64	-69.91	1,604.06	-4,385.34	4,669.50	4,655.41	14.09	331.478		
400.00	399.98	439.98	439.98	3.60	14.00	140.69	1,604.06	-4,385.34	4,670.85	4,653.25	17.60	265.392		
500.00	499.84	539.84	539.84	3.79	17.41	140.68	1,604.06	-4,385.34	4,674.90	4,653.70	21.20	220.522		
600.00	599.45	639.45	639.45	4.02	20.84	140.66	1,604.06	-4,385.34	4,681.65	4,656.79	24.86	188.335		
700.00	698.70	738.70	738.70	4.29	24.27	140.63	1,604.06	-4,385.34	4,691.10	4,662.55	28.56	164.277		
800.00	797.47	837.47	837.47	4.60	27.69	140.60	1,604.06	-4,385.34	4,703.25	4,670.97	32.28	145.705		
900.00	895.62	935.62	935.62	4.94	31.09	140.55	1,604.06	-4,385.34	4,718.10	4,682.08	36.02	130.996		
1,000.00	993.06	1,033.06	1,033.06	5.31	34.47	140.50	1,604.06	-4,385.34	4,735.65	4,695.89	39.76	119.102		
1,100.00	1,089.64	1,129.64	1,129.64	5.72	37.83	140.43	1,604.06	-4,385.34	4,755.88	4,712.38	43.50	109.319		
1,200.00	1,185.27	1,225.27	1,225.27	6.17	41.16	140.35	1,604.06	-4,385.34	4,778.81	4,731.57	47.24	101.158		
1,300.00	1,279.82	1,319.82	1,319.82	6.65	44.45	140.26	1,604.06	-4,385.34	4,804.42	4,753.46	50.97	94.269		
1,400.00	1,373.17	1,413.17	1,413.17	7.17	47.70	140.14	1,604.06	-4,385.34	4,832.71	4,778.04	54.67	88.395		
1,479.95	1,446.87	1,486.87	1,486.87	7.61	50.27	140.04	1,604.06	-4,385.34	4,857.24	4,799.62	57.62	84.297		
1,500.00	1,465.24	1,505.24	1,505.24	7.72	50.91	140.10	1,604.06	-4,385.34	4,863.61	4,805.25	58.36	83.339		
1,600.00	1,556.88	1,603.12	1,596.88	8.31	54.32	140.39	1,604.06	-4,385.34	4,895.45	4,833.20	62.26	78.633		
1,700.00	1,648.52	1,688.52	1,688.52	8.92	57.29	140.68	1,604.06	-4,385.34	4,927.41	4,861.68	65.73	74.962		
1,800.00	1,740.15	1,780.15	1,780.15	9.54	60.49	140.96	1,604.06	-4,385.34	4,959.48	4,890.05	69.44	71.425		
1,900.00	1,831.79	1,871.79	1,871.79	10.17	63.68	141.24	1,604.06	-4,385.34	4,991.67	4,918.52	73.15	68.240		
2,000.00	1,923.43	1,963.43	1,963.43	10.81	66.88	141.52	1,604.06	-4,385.34	5,023.98	4,947.11	76.87	65.358		
2,100.00	2,015.06	2,055.06	2,055.06	11.46	70.07	141.79	1,604.06	-4,385.34	5,056.39	4,975.79	80.59	62.739		
2,200.00	2,106.70	2,146.70	2,146.70	12.11	73.27	142.06	1,604.06	-4,385.34	5,088.91	5,004.59	84.32	60.349		
2,300.00	2,198.34	2,238.34	2,238.34	12.78	76.47	142.33	1,604.06	-4,385.34	5,121.54	5,033.48	88.06	58.160		
2,400.00	2,289.98	2,329.98	2,329.98	13.44	79.66	142.59	1,604.06	-4,385.34	5,154.27	5,062.47	91.80	56.149		
2,500.00	2,381.61	2,421.61	2,421.61	14.11	82.86	142.85	1,604.06	-4,385.34	5,187.11	5,091.57	95.54	54.295		
2,600.00	2,473.25	2,513.25	2,513.25	14.79	86.05	143.11	1,604.06	-4,385.34	5,220.04	5,120.76	99.28	52.580		
2,700.00	2,564.89	2,604.89	2,604.89	15.47	89.25	143.36	1,604.06	-4,385.34	5,253.07	5,150.05	103.02	50.990		
2,800.00	2,656.52	2,703.48	2,696.52	16.15	92.69	143.62	1,604.06	-4,385.34	5,286.21	5,179.20	107.01	49.400		
2,900.00	2,748.16	2,788.16	2,788.16	16.83	95.65	143.86	1,604.06	-4,385.34	5,319.43	5,208.92	110.51	48.134		
3,000.00	2,839.80	2,879.80	2,879.80	17.52	98.84	144.11	1,604.06	-4,385.34	5,352.75	5,238.49	114.26	46.848		
3,100.00	2,931.43	2,971.43	2,971.43	18.20	102.04	144.35	1,604.06	-4,385.34	5,386.16	5,268.15	118.01	45.643		
3,200.00	3,023.07	3,063.07	3,063.07	18.89	105.24	144.59	1,604.06	-4,385.34	5,419.66	5,297.91	121.75	44.513		
3,300.00	3,114.71	3,154.71	3,154.71	19.58	108.44	144.83	1,604.06	-4,385.34	5,453.25	5,327.75	125.50	43.452		
3,400.00	3,206.35	3,246.35	3,246.35	20.27	111.63	145.06	1,604.06	-4,385.34	5,486.92	5,357.67	129.25	42.452		
3,500.00	3,297.98	3,337.98	3,337.98	20.97	114.83	145.30	1,604.06	-4,385.34	5,520.68	5,387.68	133.00	41.510		
3,600.00	3,389.62	3,429.62	3,429.62	21.66	118.03	145.53	1,604.06	-4,385.34	5,554.52	5,417.78	136.75	40.620		
3,700.00	3,481.26	3,521.26	3,521.26	22.36	121.23	145.75	1,604.06	-4,385.34	5,588.45	5,447.96	140.49	39.777		
3,800.00	3,572.89	3,612.89	3,612.89	23.05	124.42	145.98	1,604.06	-4,385.34	5,622.45	5,478.21	144.24	38.980		
3,900.00	3,664.53	3,704.53	3,704.53	23.75	127.62	146.20	1,604.06	-4,385.34	5,656.54	5,508.55	147.99	38.223		
4,000.00	3,756.17	3,803.83	3,796.17	24.45	131.09	146.42	1,604.06	-4,385.34	5,690.70	5,538.70	152.00	37.438		
4,100.00	3,847.80	3,887.80	3,887.80	25.14	134.02	146.63	1,604.06	-4,385.34	5,724.94	5,569.45	155.48	36.821		
4,200.00	3,939.44	3,979.44	3,979.44	25.84	137.22	146.85	1,604.06	-4,385.34	5,759.25	5,600.02	159.23	36.170		
4,300.00	4,031.08	4,071.08	4,071.08	26.54	140.41	147.06	1,604.06	-4,385.34	5,793.63	5,630.66	162.97	35.549		
4,400.00	4,122.72	4,162.72	4,162.72	27.24	143.61	147.27	1,604.06	-4,385.34	5,828.09	5,661.37	166.72	34.957		
4,500.00	4,214.35	4,254.35	4,254.35	27.94	146.81	147.47	1,604.06	-4,385.34	5,862.62	5,692.16	170.47	34.392		
4,600.00	4,305.99	4,345.99	4,345.99	28.64	150.01	147.68	1,604.06	-4,385.34	5,897.22	5,723.01	174.21	33.851		
4,700.00	4,397.63	4,437.63	4,437.63	29.35	153.21	147.88	1,604.06	-4,385.34	5,931.88	5,753.93	177.95	33.334		
4,800.00	4,489.26	4,529.26	4,529.26	30.05	156.41	148.08	1,604.06	-4,385.34	5,966.62	5,784.92	181.70	32.838		
4,900.00	4,580.90	4,620.90	4,620.90	30.75	159.60	148.28	1,604.06	-4,385.34	6,001.42	5,815.98	185.44	32.363		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,712.54	4,712.54	31.45	162.80	148.47	1,604.06	-4,385.34	6,036.28	5,847.10	189.18	31.907		
5,100.00	4,764.17	4,804.17	4,804.17	32.16	166.00	148.66	1,604.06	-4,385.34	6,071.21	5,878.28	192.93	31.469		
5,200.00	4,855.81	4,904.19	4,895.81	32.86	169.49	148.86	1,604.06	-4,385.34	6,106.20	5,909.24	196.96	31.002		
5,300.00	4,947.45	4,987.45	4,987.45	33.56	172.40	149.04	1,604.06	-4,385.34	6,141.26	5,940.84	200.41	30.643		
5,400.00	5,039.08	5,079.08	5,079.08	34.27	175.60	149.23	1,604.06	-4,385.34	6,176.37	5,972.22	204.15	30.254		
5,500.00	5,130.72	5,170.72	5,170.72	34.97	178.79	149.42	1,604.06	-4,385.34	6,211.54	6,003.65	207.89	29.879		
5,600.00	5,222.36	5,262.36	5,262.36	35.68	181.99	149.60	1,604.06	-4,385.34	6,246.77	6,035.14	211.63	29.517		
5,700.00	5,314.00	5,354.00	5,354.00	36.38	185.19	149.78	1,604.06	-4,385.34	6,282.06	6,066.69	215.37	29.169		
5,800.00	5,405.63	5,445.63	5,445.63	37.08	188.39	149.96	1,604.06	-4,385.34	6,317.41	6,098.30	219.11	28.832		
5,900.00	5,497.27	5,537.27	5,537.27	37.79	191.59	150.14	1,604.06	-4,385.34	6,352.81	6,129.96	222.85	28.507		
6,000.00	5,588.91	5,628.91	5,628.91	38.50	194.79	150.31	1,604.06	-4,385.34	6,388.26	6,161.68	226.59	28.193		
6,100.00	5,680.54	5,720.54	5,720.54	39.20	197.99	150.49	1,604.06	-4,385.34	6,423.77	6,193.45	230.33	27.890		
6,200.00	5,772.18	5,812.18	5,812.18	39.91	201.18	150.66	1,604.06	-4,385.34	6,459.33	6,225.27	234.06	27.597		
6,300.00	5,863.82	5,903.82	5,903.82	40.61	204.38	150.83	1,604.06	-4,385.34	6,494.95	6,257.15	237.80	27.313		
6,400.00	5,955.45	6,004.55	5,995.45	41.32	207.90	150.99	1,604.06	-4,385.34	6,530.61	6,288.76	241.85	27.002		
6,500.00	6,047.09	6,087.09	6,087.09	42.02	210.78	151.16	1,604.06	-4,385.34	6,566.33	6,321.06	245.27	26.772		
6,600.00	6,138.73	6,178.73	6,178.73	42.73	213.98	151.32	1,604.06	-4,385.34	6,602.10	6,353.09	249.01	26.514		
6,700.00	6,230.37	6,270.37	6,270.37	43.44	217.18	151.49	1,604.06	-4,385.34	6,637.91	6,385.17	252.74	26.263		
6,712.03	6,241.39	6,281.39	6,281.39	43.52	217.56	151.51	1,604.06	-4,385.34	6,642.22	6,389.03	253.19	26.234		
6,750.00	6,276.38	6,316.38	6,316.38	43.78	218.78	143.58	1,604.06	-4,385.34	6,654.94	6,400.32	254.62	26.137		
6,800.00	6,322.91	6,362.91	6,362.91	44.09	220.41	131.99	1,604.06	-4,385.34	6,668.92	6,412.42	256.50	26.000		
6,850.00	6,369.70	6,409.70	6,409.70	44.36	222.04	119.71	1,604.06	-4,385.34	6,679.68	6,421.31	258.37	25.853		
6,900.00	6,416.45	6,456.45	6,456.45	44.59	223.67	107.75	1,604.06	-4,385.34	6,687.18	6,426.95	260.23	25.697		
6,950.00	6,462.87	6,502.87	6,502.87	44.79	225.29	97.04	1,604.06	-4,385.34	6,691.38	6,429.33	262.05	25.535		
7,000.00	6,508.69	6,548.69	6,548.69	44.95	226.89	88.11	1,604.06	-4,385.34	6,692.27	6,428.46	263.82	25.367		
7,050.00	6,553.61	6,606.39	6,593.61	45.09	228.91	81.00	1,604.06	-4,385.34	6,689.87	6,423.90	265.96	25.153		
7,100.00	6,597.37	6,637.37	6,637.37	45.20	229.99	75.52	1,604.06	-4,385.34	6,684.19	6,417.05	267.15	25.021		
7,150.00	6,639.68	6,679.68	6,679.68	45.30	231.47	71.41	1,604.06	-4,385.34	6,675.31	6,406.61	268.69	24.843		
7,200.00	6,680.29	6,720.29	6,720.29	45.39	232.88	68.43	1,604.06	-4,385.34	6,663.28	6,393.13	270.16	24.665		
7,250.00	6,718.96	6,758.96	6,758.96	45.48	234.23	66.37	1,604.06	-4,385.34	6,648.21	6,376.68	271.53	24.485		
7,300.00	6,755.43	6,804.57	6,795.43	45.57	235.83	65.11	1,604.06	-4,385.34	6,630.19	6,357.07	273.12	24.276		
7,350.00	6,789.49	6,829.49	6,829.49	45.67	236.70	64.52	1,604.06	-4,385.34	6,609.36	6,335.38	273.98	24.124		
7,400.00	6,820.93	6,860.93	6,860.93	45.77	237.79	64.56	1,604.06	-4,385.34	6,585.85	6,310.80	275.06	23.944		
7,450.00	6,849.55	6,889.55	6,889.55	45.89	238.79	65.17	1,604.06	-4,385.34	6,559.83	6,283.79	276.04	23.764		
7,500.00	6,875.17	6,915.17	6,915.17	46.02	239.69	66.35	1,604.06	-4,385.34	6,531.45	6,254.53	276.92	23.586		
7,550.00	6,897.64	6,937.64	6,937.64	46.17	240.47	68.08	1,604.06	-4,385.34	6,500.91	6,223.20	277.71	23.409		
7,600.00	6,916.82	6,956.82	6,956.82	46.35	241.14	70.37	1,604.06	-4,385.34	6,468.39	6,189.99	278.40	23.235		
7,650.00	6,932.60	6,972.60	6,972.60	46.55	241.69	73.24	1,604.06	-4,385.34	6,434.10	6,155.11	278.99	23.062		
7,700.00	6,944.86	6,984.86	6,984.86	46.78	242.12	76.71	1,604.06	-4,385.34	6,398.25	6,118.76	279.49	22.893		
7,750.00	6,953.55	7,006.45	6,993.55	47.04	242.87	80.78	1,604.06	-4,385.34	6,361.05	6,080.71	280.34	22.690		
7,800.00	6,958.59	7,001.41	6,998.59	47.33	242.70	85.44	1,604.06	-4,385.34	6,322.73	6,042.43	280.30	22.557		
7,842.10	6,960.00	7,000.00	7,000.00	47.60	242.65	89.81	1,604.06	-4,385.34	6,289.76	6,009.38	280.38	22.433		
7,900.00	6,960.15	7,000.15	7,000.15	48.01	242.65	89.82	1,604.06	-4,385.34	6,244.13	5,963.53	280.60	22.253		
8,000.00	6,960.40	7,000.40	7,000.40	48.86	242.66	89.82	1,604.06	-4,385.34	6,165.83	5,884.76	281.07	21.937		
8,100.00	6,960.65	7,000.65	7,000.65	49.87	242.67	89.82	1,604.06	-4,385.34	6,088.16	5,806.52	281.65	21.616		
8,200.00	6,960.91	7,000.91	7,000.91	51.06	242.68	89.83	1,604.06	-4,385.34	6,011.15	5,728.81	282.34	21.291		
8,300.00	6,961.16	7,001.16	7,001.16	52.41	242.69	89.83	1,604.06	-4,385.34	5,934.83	5,651.68	283.15	20.960		
8,400.00	6,961.41	7,001.41	7,001.41	53.93	242.70	89.84	1,604.06	-4,385.34	5,859.22	5,575.14	284.08	20.625		
8,500.00	6,961.66	7,001.66	7,001.66	55.59	242.71	89.84	1,604.06	-4,385.34	5,784.35	5,499.22	285.13	20.287		
8,600.00	6,961.91	7,001.91	7,001.91	57.37	242.71	89.84	1,604.06	-4,385.34	5,710.25	5,423.94	286.31	19.945		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OPAL #1(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	7,002.16	7,002.16	59.27	242.72	89.85	1,604.06	-4,385.34	5,636.95	5,349.35	287.60	19.600		
8,800.00	6,962.42	7,002.42	7,002.42	61.26	242.73	89.85	1,604.06	-4,385.34	5,564.48	5,275.46	289.01	19.253		
8,900.00	6,962.67	7,002.67	7,002.67	63.34	242.74	89.85	1,604.06	-4,385.34	5,492.87	5,202.32	290.55	18.905		
9,000.00	6,962.92	7,002.92	7,002.92	65.49	242.75	89.86	1,604.06	-4,385.34	5,422.17	5,129.97	292.20	18.556		
9,100.00	6,963.17	7,003.17	7,003.17	67.70	242.76	89.86	1,604.06	-4,385.34	5,352.39	5,058.43	293.97	18.207		
9,200.00	6,963.42	7,003.42	7,003.42	69.97	242.77	89.87	1,604.06	-4,385.34	5,283.59	4,987.75	295.85	17.859		
9,300.00	6,963.68	7,003.68	7,003.68	72.28	242.78	89.87	1,604.06	-4,385.34	5,215.80	4,917.96	297.84	17.512		
9,400.00	6,963.93	7,003.93	7,003.93	74.64	242.78	89.87	1,604.06	-4,385.34	5,149.06	4,849.12	299.94	17.167		
9,500.00	6,964.18	7,004.18	7,004.18	77.04	242.79	89.88	1,604.06	-4,385.34	5,083.41	4,781.26	302.15	16.824		
9,600.00	6,964.43	7,004.43	7,004.43	79.48	242.80	89.88	1,604.06	-4,385.34	5,018.90	4,714.43	304.47	16.484		
9,700.00	6,964.68	7,004.68	7,004.68	81.94	242.81	89.88	1,604.06	-4,385.34	4,955.56	4,648.68	306.88	16.148		
9,800.00	6,964.94	7,004.94	7,004.94	84.43	242.82	89.89	1,604.06	-4,385.34	4,893.45	4,584.05	309.40	15.816		
9,900.00	6,965.19	7,005.19	7,005.19	86.95	242.83	89.89	1,604.06	-4,385.34	4,832.60	4,520.59	312.01	15.489		
10,000.00	6,965.44	7,005.44	7,005.44	89.49	242.84	89.89	1,604.06	-4,385.34	4,773.08	4,458.37	314.71	15.166		
10,100.00	6,965.69	7,005.69	7,005.69	92.05	242.85	89.90	1,604.06	-4,385.34	4,714.93	4,397.42	317.51	14.850		
10,200.00	6,965.94	7,005.94	7,005.94	94.63	242.85	89.90	1,604.06	-4,385.34	4,658.20	4,337.80	320.39	14.539		
10,300.00	6,966.19	7,006.19	7,006.19	97.22	242.86	89.91	1,604.06	-4,385.34	4,602.94	4,279.58	323.36	14.235		
10,400.00	6,966.45	7,006.45	7,006.45	99.83	242.87	89.91	1,604.06	-4,385.34	4,549.20	4,222.80	326.40	13.937		
10,500.00	6,966.70	7,006.70	7,006.70	102.46	242.88	89.91	1,604.06	-4,385.34	4,497.06	4,167.53	329.53	13.647		
10,600.00	6,966.95	7,006.95	7,006.95	105.09	242.89	89.92	1,604.06	-4,385.34	4,446.54	4,113.82	332.72	13.364		
10,700.00	6,967.20	7,007.20	7,007.20	107.74	242.90	89.92	1,604.06	-4,385.34	4,397.73	4,061.74	335.98	13.089		
10,800.00	6,967.45	7,007.45	7,007.45	110.41	242.91	89.92	1,604.06	-4,385.34	4,350.66	4,011.35	339.30	12.822		
10,900.00	6,967.71	7,007.71	7,007.71	113.08	242.92	89.93	1,604.06	-4,385.34	4,305.40	3,962.72	342.68	12.564		
11,000.00	6,967.96	7,007.96	7,007.96	115.76	242.92	89.93	1,604.06	-4,385.34	4,262.01	3,915.89	346.12	12.314		
11,100.00	6,968.21	7,008.21	7,008.21	118.45	242.93	89.94	1,604.06	-4,385.34	4,220.54	3,870.95	349.59	12.073		
11,200.00	6,968.46	7,008.46	7,008.46	121.15	242.94	89.94	1,604.06	-4,385.34	4,181.05	3,827.94	353.11	11.841		
11,300.00	6,968.71	7,008.71	7,008.71	123.85	242.95	89.94	1,604.06	-4,385.34	4,143.60	3,786.95	356.65	11.618		
11,400.00	6,968.97	7,008.97	7,008.97	126.56	242.96	89.95	1,604.06	-4,385.34	4,108.24	3,748.02	360.22	11.405		
11,500.00	6,969.22	7,009.22	7,009.22	129.28	242.97	89.95	1,604.06	-4,385.34	4,075.03	3,711.22	363.81	11.201		
11,600.00	6,969.47	7,009.47	7,009.47	132.01	242.98	89.95	1,604.06	-4,385.34	4,044.03	3,676.62	367.41	11.007		
11,700.00	6,969.72	7,009.72	7,009.72	134.74	242.99	89.96	1,604.06	-4,385.34	4,015.27	3,644.26	371.00	10.823		
11,800.00	6,969.97	7,009.97	7,009.97	137.48	243.00	89.96	1,604.06	-4,385.34	3,988.81	3,614.22	374.59	10.648		
11,900.00	6,970.22	7,010.22	7,010.22	140.22	243.00	89.97	1,604.06	-4,385.34	3,964.70	3,586.54	378.16	10.484		
12,000.00	6,970.48	7,010.48	7,010.48	142.97	243.01	89.97	1,604.06	-4,385.34	3,942.98	3,561.27	381.71	10.330		
12,100.00	6,970.73	7,010.73	7,010.73	145.72	243.02	89.97	1,604.06	-4,385.34	3,923.69	3,538.47	385.21	10.186		
12,200.00	6,970.98	7,010.98	7,010.98	148.47	243.03	89.98	1,604.06	-4,385.34	3,906.86	3,518.19	388.68	10.052		
12,300.00	6,971.23	7,011.23	7,011.23	151.23	243.04	89.98	1,604.06	-4,385.34	3,892.53	3,500.45	392.09	9.928		
12,400.00	6,971.48	7,011.48	7,011.48	154.00	243.05	89.98	1,604.06	-4,385.34	3,880.73	3,485.30	395.43	9.814		
12,500.00	6,971.74	7,011.74	7,011.74	156.76	243.06	89.99	1,604.06	-4,385.34	3,871.47	3,472.76	398.71	9.710		
12,600.00	6,971.99	7,011.99	7,011.99	159.53	243.07	89.99	1,604.06	-4,385.34	3,864.78	3,462.88	401.90	9.616		
12,700.00	6,972.24	7,012.24	7,012.24	162.31	243.07	90.00	1,604.06	-4,385.34	3,860.67	3,455.66	405.01	9.532		
12,800.00	6,972.49	7,012.49	7,012.49	165.09	243.08	90.00	1,604.06	-4,385.34	3,859.15	3,451.12	408.02	9.458		
12,808.81	6,972.51	7,012.51	7,012.51	165.33	243.08	90.00	1,604.06	-4,385.34	3,859.14	3,450.85	408.29	9.452 CC		
12,900.00	6,972.74	7,012.74	7,012.74	167.86	243.09	90.00	1,604.06	-4,385.34	3,860.21	3,449.28	410.94	9.394 ES		
13,002.01	6,973.00	7,013.00	7,013.00	170.70	243.10	90.01	1,604.06	-4,385.34	3,863.97	3,450.17	413.79	9.338 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design														Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH														Offset Well Error:	3.28 ft
Survey Program: 100-MWD															
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.00	0.00	0.00	0.00	3.28	3.28	163.90	-3,541.76	1,022.44	3,686.39						
100.00	100.00	79.21	79.21	3.28	3.28	163.90	-3,542.02	1,022.12	3,686.57	3,680.00	6.57	561.174			
200.00	200.00	169.33	169.32	3.34	3.32	163.92	-3,542.75	1,021.37	3,687.13	3,680.47	6.66	553.711			
300.00	300.00	291.71	291.70	3.44	3.44	163.92	-3,543.43	1,021.14	3,687.63	3,680.74	6.89	535.410			
400.00	399.98	385.03	385.02	3.60	3.58	14.54	-3,543.49	1,021.32	3,686.06	3,678.88	7.18	513.435			
500.00	499.84	491.66	491.65	3.79	3.79	14.58	-3,543.59	1,021.67	3,681.18	3,673.60	7.58	485.713			
600.00	599.45	585.40	585.39	4.02	4.01	14.65	-3,543.59	1,022.11	3,672.87	3,664.84	8.03	457.367			
700.00	698.70	688.18	688.17	4.29	4.28	14.75	-3,543.70	1,022.43	3,661.27	3,652.70	8.57	427.114			
800.00	797.47	795.16	795.14	4.60	4.59	14.89	-3,543.60	1,022.84	3,646.15	3,636.97	9.18	397.049			
900.00	895.62	901.52	901.50	4.94	4.92	15.06	-3,543.25	1,023.24	3,627.48	3,617.65	9.84	368.702			
1,000.00	993.06	985.85	985.84	5.31	5.20	15.26	-3,543.08	1,023.41	3,605.60	3,595.13	10.46	344.570			
1,100.00	1,089.64	1,078.62	1,078.60	5.72	5.52	15.50	-3,543.15	1,023.53	3,580.69	3,569.54	11.15	321.112			
1,200.00	1,185.27	1,178.08	1,178.07	6.17	5.86	15.79	-3,543.25	1,023.56	3,552.55	3,540.66	11.88	298.959			
1,300.00	1,279.82	1,266.19	1,266.17	6.65	6.18	16.10	-3,543.33	1,023.56	3,521.20	3,508.60	12.60	279.453			
1,400.00	1,373.17	1,367.56	1,367.54	7.17	6.55	16.49	-3,543.50	1,023.68	3,486.82	3,473.44	13.39	260.437			
1,479.95	1,446.87	1,443.24	1,443.22	7.61	6.83	16.82	-3,543.41	1,023.71	3,456.88	3,442.86	14.01	246.682			
1,500.00	1,465.24	1,460.18	1,460.16	7.72	6.89	16.86	-3,543.41	1,023.69	3,449.13	3,434.97	14.17	243.466			
1,600.00	1,556.88	1,551.38	1,551.36	8.31	7.23	17.05	-3,543.49	1,023.47	3,410.60	3,395.66	14.94	228.311			
1,700.00	1,648.52	1,640.45	1,640.43	8.92	7.56	17.25	-3,543.50	1,023.31	3,372.04	3,356.32	15.72	214.514			
1,800.00	1,740.15	1,723.90	1,723.88	9.54	7.88	17.44	-3,543.73	1,023.11	3,333.75	3,317.25	16.50	202.068			
1,900.00	1,831.79	1,813.40	1,813.39	10.17	8.23	17.65	-3,544.14	1,022.73	3,295.61	3,278.30	17.31	190.356			
2,000.00	1,923.43	1,901.11	1,901.08	10.81	8.58	17.86	-3,544.64	1,022.35	3,257.61	3,239.48	18.13	179.647			
2,100.00	2,015.06	2,010.03	2,010.01	11.46	9.01	18.13	-3,545.06	1,021.71	3,219.46	3,200.43	19.03	169.144			
2,200.00	2,106.70	2,092.76	2,092.73	12.11	9.34	18.35	-3,545.37	1,021.00	3,181.27	3,161.42	19.86	160.224			
2,300.00	2,198.34	2,195.34	2,195.30	12.78	9.75	18.62	-3,545.72	1,019.98	3,143.09	3,122.34	20.75	151.480			
2,400.00	2,289.98	2,283.31	2,283.27	13.44	10.11	18.87	-3,545.90	1,019.04	3,104.82	3,083.21	21.60	143.720			
2,500.00	2,381.61	2,373.72	2,373.68	14.11	10.48	19.12	-3,546.17	1,018.09	3,066.69	3,044.22	22.47	136.464			
2,600.00	2,473.25	2,465.69	2,465.65	14.79	10.85	19.38	-3,546.40	1,017.34	3,028.62	3,005.26	23.35	129.689			
2,700.00	2,564.89	2,561.75	2,561.70	15.47	11.25	19.67	-3,546.59	1,016.49	2,990.55	2,966.29	24.25	123.316			
2,800.00	2,656.52	2,655.87	2,655.82	16.15	11.64	19.95	-3,546.63	1,015.60	2,952.38	2,927.23	25.15	117.402			
2,900.00	2,748.16	2,749.59	2,749.53	16.83	12.03	20.24	-3,546.59	1,014.89	2,914.24	2,888.19	26.05	111.884			
3,000.00	2,839.80	2,840.24	2,840.18	17.52	12.40	20.52	-3,546.48	1,014.15	2,876.07	2,849.13	26.94	106.748			
3,100.00	2,931.43	2,925.10	2,925.04	18.20	12.76	20.80	-3,546.55	1,013.35	2,838.14	2,810.31	27.83	101.988			
3,200.00	3,023.07	3,010.48	3,010.41	18.89	13.11	21.08	-3,546.81	1,012.68	2,800.49	2,771.77	28.72	97.506			
3,300.00	3,114.71	3,104.47	3,104.40	19.58	13.51	21.40	-3,547.10	1,012.14	2,762.96	2,733.32	29.64	93.212			
3,400.00	3,206.35	3,189.03	3,188.96	20.27	13.86	21.68	-3,547.39	1,011.99	2,725.59	2,695.06	30.54	89.248			
3,500.00	3,297.98	3,280.96	3,280.89	20.97	14.25	22.00	-3,547.78	1,012.04	2,688.42	2,656.96	31.46	85.457			
3,600.00	3,389.62	3,375.25	3,375.18	21.66	14.65	22.33	-3,548.15	1,011.97	2,651.26	2,618.87	32.39	81.857			
3,700.00	3,481.26	3,462.04	3,461.97	22.36	15.01	22.64	-3,548.47	1,012.02	2,614.18	2,580.88	33.30	78.493			
3,800.00	3,572.89	3,554.47	3,554.39	23.05	15.40	22.98	-3,549.00	1,012.02	2,577.36	2,543.12	34.24	75.278			
3,900.00	3,664.53	3,645.49	3,645.41	23.75	15.79	23.34	-3,549.45	1,011.66	2,540.49	2,505.32	35.17	72.227			
4,000.00	3,756.17	3,735.52	3,735.44	24.45	16.17	23.70	-3,550.07	1,011.33	2,503.90	2,467.78	36.11	69.337			
4,100.00	3,847.80	3,834.11	3,834.03	25.14	16.59	24.10	-3,550.52	1,011.21	2,467.21	2,430.14	37.07	66.555			
4,200.00	3,939.44	3,928.26	3,928.18	25.84	16.99	24.49	-3,550.77	1,011.11	2,430.45	2,392.43	38.02	63.922			
4,300.00	4,031.08	4,020.54	4,020.46	26.54	17.38	24.89	-3,550.97	1,011.13	2,393.76	2,354.79	38.97	61.421			
4,400.00	4,122.72	4,113.98	4,113.89	27.24	17.78	25.30	-3,551.10	1,011.21	2,357.11	2,317.19	39.93	59.037			
4,500.00	4,214.35	4,205.60	4,205.52	27.94	18.16	25.71	-3,551.17	1,011.52	2,320.54	2,279.67	40.88	56.770			
4,600.00	4,305.99	4,293.66	4,293.58	28.64	18.53	26.11	-3,551.32	1,011.87	2,284.16	2,242.34	41.83	54.612			
4,700.00	4,397.63	4,387.32	4,387.23	29.35	18.92	26.55	-3,551.50	1,012.31	2,247.94	2,205.15	42.79	52.538			
4,800.00	4,489.26	4,476.04	4,475.95	30.05	19.29	26.97	-3,551.66	1,012.87	2,211.83	2,168.08	43.75	50.559			
4,900.00	4,580.90	4,565.80	4,565.71	30.75	19.67	27.42	-3,551.98	1,013.27	2,175.98	2,131.26	44.72	48.661			

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 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,000.00	4,672.54	4,657.46	4,657.37	31.45	20.06	27.90	-3,552.35	1,013.61	2,140.31	2,094.61	45.70	46.838					
5,100.00	4,764.17	4,743.22	4,743.13	32.16	20.42	28.36	-3,552.74	1,013.98	2,104.83	2,058.16	46.68	45.094					
5,200.00	4,855.81	4,826.61	4,826.52	32.86	20.78	28.82	-3,553.54	1,014.27	2,069.94	2,022.28	47.66	43.429					
5,300.00	4,947.45	4,917.78	4,917.68	33.56	21.17	29.35	-3,554.59	1,014.31	2,035.37	1,986.71	48.67	41.824					
5,400.00	5,039.08	5,010.60	5,010.49	34.27	21.57	29.91	-3,555.68	1,014.15	2,000.98	1,951.30	49.68	40.280					
5,500.00	5,130.72	5,109.04	5,108.93	34.97	21.99	30.53	-3,556.65	1,013.72	1,966.59	1,915.89	50.70	38.791					
5,600.00	5,222.36	5,197.99	5,197.87	35.68	22.38	31.12	-3,557.46	1,013.35	1,932.33	1,880.61	51.72	37.361					
5,700.00	5,314.00	5,295.22	5,295.09	36.38	22.80	31.77	-3,558.27	1,013.18	1,898.19	1,845.44	52.75	35.982					
5,800.00	5,405.63	5,393.28	5,393.16	37.08	23.22	32.44	-3,558.77	1,013.17	1,863.98	1,810.19	53.79	34.652					
5,900.00	5,497.27	5,493.23	5,493.10	37.79	23.65	33.17	-3,558.90	1,013.03	1,829.63	1,774.80	54.83	33.370					
6,000.00	5,588.91	5,576.52	5,576.39	38.50	24.00	33.79	-3,558.98	1,012.79	1,795.49	1,739.61	55.88	32.130					
6,100.00	5,680.54	5,674.06	5,673.93	39.20	24.41	34.55	-3,559.28	1,012.66	1,761.80	1,704.87	56.93	30.945					
6,200.00	5,772.18	5,766.86	5,766.74	39.91	24.80	35.28	-3,559.22	1,012.78	1,728.01	1,670.02	57.99	29.798					
6,300.00	5,863.82	5,855.17	5,855.05	40.61	25.17	36.01	-3,559.28	1,013.08	1,694.60	1,635.54	59.07	28.690					
6,400.00	5,955.45	5,948.40	5,948.27	41.32	25.56	36.80	-3,559.48	1,013.29	1,661.62	1,601.48	60.15	27.626					
6,500.00	6,047.09	6,040.58	6,040.45	42.02	25.95	37.62	-3,559.44	1,013.35	1,628.72	1,567.48	61.24	26.595					
6,600.00	6,138.73	6,129.94	6,129.81	42.73	26.32	38.44	-3,559.64	1,013.54	1,596.37	1,534.02	62.35	25.603					
6,700.00	6,230.37	6,227.20	6,227.07	43.44	26.73	39.37	-3,559.63	1,013.69	1,564.16	1,500.70	63.46	24.647					
6,712.03	6,241.39	6,238.47	6,238.34	43.52	26.78	39.48	-3,559.61	1,013.72	1,560.29	1,496.69	63.60	24.535					
6,750.00	6,276.38	6,274.24	6,274.11	43.78	26.93	31.29	-3,559.54	1,013.82	1,547.91	1,483.90	64.01	24.184					
6,800.00	6,322.91	6,322.31	6,322.18	44.09	27.13	18.99	-3,559.43	1,014.01	1,531.06	1,466.56	64.50	23.737					
6,850.00	6,369.70	6,371.17	6,371.05	44.36	27.33	5.60	-3,559.24	1,014.13	1,513.62	1,448.68	64.94	23.307					
6,900.00	6,416.45	6,418.13	6,418.00	44.59	27.52	-7.88	-3,558.99	1,014.16	1,495.68	1,430.34	65.34	22.892					
6,950.00	6,462.87	6,462.18	6,462.05	44.79	27.71	-20.46	-3,558.81	1,014.22	1,477.45	1,411.76	65.69	22.492					
7,000.00	6,508.69	6,506.06	6,505.93	44.95	27.89	-31.61	-3,558.70	1,014.32	1,459.10	1,393.11	66.00	22.108					
7,050.00	6,553.61	6,551.61	6,551.48	45.09	28.08	-41.29	-3,558.60	1,014.41	1,440.76	1,374.49	66.27	21.742					
7,100.00	6,597.37	6,596.00	6,595.87	45.20	28.26	-49.62	-3,558.47	1,014.43	1,422.60	1,356.09	66.50	21.391					
7,150.00	6,639.68	6,642.81	6,642.68	45.30	28.46	-56.92	-3,558.25	1,014.41	1,404.81	1,338.11	66.70	21.061					
7,200.00	6,680.29	6,687.99	6,687.86	45.39	28.64	-63.34	-3,557.88	1,014.41	1,387.60	1,320.73	66.88	20.749					
7,250.00	6,718.96	6,728.43	6,728.30	45.48	28.81	-68.95	-3,557.45	1,014.42	1,371.32	1,304.28	67.04	20.456					
7,300.00	6,755.43	6,765.63	6,765.50	45.57	28.97	-73.86	-3,557.02	1,014.45	1,356.34	1,289.16	67.19	20.188					
7,350.00	6,789.49	6,800.32	6,800.18	45.67	29.11	-78.16	-3,556.60	1,014.49	1,343.01	1,275.69	67.32	19.948					
7,400.00	6,820.93	6,830.85	6,830.70	45.77	29.24	-81.84	-3,556.23	1,014.56	1,331.68	1,264.22	67.47	19.739					
7,450.00	6,849.55	6,858.49	6,858.34	45.89	29.35	-84.96	-3,555.90	1,014.68	1,322.67	1,255.07	67.61	19.564					
7,500.00	6,875.17	6,917.43	6,882.43	46.02	29.60	-87.51	-3,555.63	1,014.83	1,316.28	1,248.38	67.90	19.385					
7,550.00	6,897.64	6,904.58	6,904.43	46.17	29.55	-89.56	-3,555.39	1,015.01	1,312.77	1,244.85	67.91	19.330					
7,582.15	6,910.36	6,917.00	6,916.85	46.28	29.60	-90.59	-3,555.25	1,015.12	1,312.12	1,244.09	68.03	19.288 CC, ES					
7,600.00	6,916.82	6,923.30	6,923.15	46.35	29.62	-91.06	-3,555.18	1,015.17	1,312.32	1,244.23	68.09	19.275					
7,650.00	6,932.60	6,938.61	6,938.46	46.55	29.69	-92.02	-3,555.01	1,015.30	1,315.09	1,246.81	68.28	19.261 SF					
7,700.00	6,944.86	6,950.42	6,950.27	46.78	29.74	-92.44	-3,554.89	1,015.40	1,321.16	1,252.67	68.49	19.291					
7,750.00	6,953.55	6,958.65	6,958.50	47.04	29.77	-92.29	-3,554.80	1,015.47	1,330.54	1,261.82	68.72	19.362					
7,800.00	6,958.59	6,963.27	6,963.11	47.33	29.79	-91.57	-3,554.75	1,015.51	1,343.16	1,274.20	68.96	19.476					
7,842.10	6,960.00	6,964.31	6,964.16	47.60	29.80	-90.51	-3,554.73	1,015.52	1,356.22	1,287.04	69.18	19.604					
7,900.00	6,960.15	6,963.97	6,963.82	48.01	29.79	-90.49	-3,554.74	1,015.52	1,376.74	1,307.24	69.50	19.808					
8,000.00	6,960.40	6,963.38	6,963.23	48.86	29.79	-90.47	-3,554.74	1,015.51	1,417.05	1,346.92	70.13	20.205					
8,100.00	6,960.65	6,962.79	6,962.64	49.87	29.79	-90.44	-3,554.75	1,015.51	1,463.10	1,392.27	70.83	20.657					
8,200.00	6,960.91	6,962.21	6,962.05	51.06	29.79	-90.41	-3,554.76	1,015.50	1,514.36	1,442.81	71.55	21.165					
8,300.00	6,961.16	6,961.62	6,961.46	52.41	29.78	-90.39	-3,554.76	1,015.50	1,570.32	1,498.04	72.27	21.727					
8,400.00	6,961.41	6,961.03	6,960.87	53.93	29.78	-90.36	-3,554.77	1,015.49	1,630.50	1,557.51	72.98	22.341					
8,500.00	6,961.66	6,960.44	6,960.29	55.59	29.78	-90.33	-3,554.78	1,015.49	1,694.44	1,620.78	73.66	23.003					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Falken 9-11 PAD - OTTOSON #2(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-MWD															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,600.00	6,961.91	6,959.85	6,959.70	57.37	29.78	-90.31	-3,554.78	1,015.48	1,761.75	1,687.44	74.30	23.710					
8,700.00	6,962.16	6,959.26	6,959.11	59.27	29.77	-90.28	-3,554.79	1,015.48	1,832.04	1,757.13	74.91	24.457					
8,800.00	6,962.42	6,958.67	6,958.52	61.26	29.77	-90.25	-3,554.80	1,015.47	1,904.99	1,829.52	75.47	25.243					
8,900.00	6,962.67	6,958.08	6,957.93	63.34	29.77	-90.23	-3,554.80	1,015.47	1,980.30	1,904.32	75.99	26.061					
9,000.00	6,962.92	6,957.49	6,957.34	65.49	29.77	-90.20	-3,554.81	1,015.46	2,057.72	1,981.26	76.46	26.911					
9,100.00	6,963.17	6,956.90	6,956.75	67.70	29.76	-90.17	-3,554.82	1,015.46	2,137.01	2,060.11	76.91	27.788					
9,200.00	6,963.42	6,956.31	6,956.16	69.97	29.76	-90.15	-3,554.82	1,015.45	2,217.98	2,140.67	77.31	28.689					
9,300.00	6,963.68	6,955.72	6,955.57	72.28	29.76	-90.12	-3,554.83	1,015.45	2,300.45	2,222.76	77.68	29.613					
9,400.00	6,963.93	6,955.14	6,954.98	74.64	29.76	-90.10	-3,554.83	1,015.44	2,384.26	2,306.23	78.03	30.557					
9,500.00	6,964.18	6,954.55	6,954.39	77.04	29.75	-90.07	-3,554.84	1,015.44	2,469.27	2,390.93	78.34	31.519					
9,600.00	6,964.43	6,953.96	6,953.80	79.48	29.75	-90.04	-3,554.85	1,015.43	2,555.37	2,476.73	78.63	32.497					
9,700.00	6,964.68	6,953.37	6,953.22	81.94	29.75	-90.02	-3,554.85	1,015.43	2,642.44	2,563.54	78.90	33.490					
9,800.00	6,964.94	6,952.78	6,952.63	84.43	29.75	-89.99	-3,554.86	1,015.42	2,730.41	2,651.25	79.15	34.496					
9,900.00	6,965.19	6,952.19	6,952.04	86.95	29.74	-89.96	-3,554.87	1,015.42	2,819.17	2,739.79	79.38	35.514					
10,000.00	6,965.44	6,951.60	6,951.45	89.49	29.74	-89.94	-3,554.87	1,015.41	2,908.67	2,829.07	79.60	36.542					
10,100.00	6,965.69	6,951.01	6,950.86	92.05	29.74	-89.91	-3,554.88	1,015.41	2,998.82	2,919.03	79.80	37.581					
10,200.00	6,965.94	6,950.42	6,950.27	94.63	29.74	-89.88	-3,554.89	1,015.40	3,089.59	3,009.60	79.98	38.628					
10,300.00	6,966.19	6,949.83	6,949.68	97.22	29.74	-89.86	-3,554.89	1,015.40	3,180.90	3,100.75	80.16	39.683					
10,400.00	6,966.45	6,949.24	6,949.09	99.83	29.73	-89.83	-3,554.90	1,015.39	3,272.73	3,192.41	80.32	40.745					
10,500.00	6,966.70	6,948.65	6,948.50	102.46	29.73	-89.80	-3,554.91	1,015.39	3,365.02	3,284.55	80.48	41.814					
10,600.00	6,966.95	6,948.07	6,947.91	105.09	29.73	-89.78	-3,554.91	1,015.38	3,457.74	3,377.12	80.62	42.889					
10,700.00	6,967.20	6,947.48	6,947.32	107.74	29.73	-89.75	-3,554.92	1,015.38	3,550.86	3,470.10	80.76	43.970					
10,800.00	6,967.45	6,946.89	6,946.74	110.41	29.72	-89.73	-3,554.92	1,015.37	3,644.34	3,563.45	80.89	45.055					
10,900.00	6,967.71	6,946.30	6,946.15	113.08	29.72	-89.70	-3,554.93	1,015.37	3,738.15	3,657.14	81.01	46.145					
11,000.00	6,967.96	6,945.71	6,945.56	115.76	29.72	-89.67	-3,554.94	1,015.36	3,832.28	3,751.16	81.13	47.239					
11,100.00	6,968.21	6,945.12	6,944.97	118.45	29.72	-89.65	-3,554.94	1,015.36	3,926.70	3,845.46	81.24	48.336					
11,200.00	6,968.46	6,944.53	6,944.38	121.15	29.71	-89.62	-3,554.95	1,015.35	4,021.39	3,940.05	81.34	49.437					
11,300.00	6,968.71	6,943.94	6,943.79	123.85	29.71	-89.59	-3,554.96	1,015.35	4,116.33	4,034.89	81.45	50.541					
11,400.00	6,968.97	6,943.35	6,943.20	126.56	29.71	-89.57	-3,554.96	1,015.34	4,211.51	4,129.96	81.54	51.648					
11,500.00	6,969.22	6,942.76	6,942.61	129.28	29.71	-89.54	-3,554.97	1,015.34	4,306.90	4,225.26	81.64	52.757					
11,600.00	6,969.47	6,942.17	6,942.02	132.01	29.70	-89.51	-3,554.98	1,015.33	4,402.50	4,320.77	81.73	53.868					
11,700.00	6,969.72	6,941.58	6,941.43	134.74	29.70	-89.49	-3,554.98	1,015.33	4,498.29	4,416.47	81.82	54.981					
11,800.00	6,969.97	6,941.00	6,940.84	137.48	29.70	-89.46	-3,554.99	1,015.32	4,594.25	4,512.35	81.90	56.096					
11,900.00	6,970.22	6,940.41	6,940.25	140.22	29.70	-89.43	-3,555.00	1,015.32	4,690.39	4,608.41	81.98	57.213					
12,000.00	6,970.48	6,939.82	6,939.67	142.97	29.69	-89.41	-3,555.00	1,015.31	4,786.69	4,704.62	82.06	58.331					
12,100.00	6,970.73	6,939.23	6,939.08	145.72	29.69	-89.38	-3,555.01	1,015.31	4,883.13	4,800.99	82.14	59.450					
12,200.00	6,970.98	6,938.64	6,938.49	148.47	29.69	-89.36	-3,555.01	1,015.30	4,979.71	4,897.50	82.21	60.570					
12,300.00	6,971.23	6,938.05	6,937.90	151.23	29.69	-89.33	-3,555.02	1,015.30	5,076.43	4,994.14	82.29	61.691					
12,400.00	6,971.48	6,937.46	6,937.31	154.00	29.68	-89.30	-3,555.03	1,015.29	5,173.27	5,090.91	82.36	62.813					
12,500.00	6,971.74	6,936.87	6,936.72	156.76	29.68	-89.28	-3,555.03	1,015.29	5,270.23	5,187.80	82.43	63.936					
12,600.00	6,971.99	6,936.28	6,936.13	159.53	29.68	-89.25	-3,555.04	1,015.28	5,367.30	5,284.80	82.50	65.059					
12,700.00	6,972.24	6,935.69	6,935.54	162.31	29.68	-89.22	-3,555.05	1,015.28	5,464.48	5,381.91	82.57	66.182					
12,800.00	6,972.49	6,935.10	6,934.95	165.09	29.67	-89.20	-3,555.05	1,015.27	5,561.75	5,479.12	82.63	67.306					
12,900.00	6,972.74	6,934.51	6,934.36	167.86	29.67	-89.17	-3,555.06	1,015.27	5,659.12	5,576.42	82.70	68.429					
13,002.01	6,973.00	6,933.91	6,933.76	170.70	29.67	-89.14	-3,555.07	1,015.26	5,758.55	5,675.78	82.77	69.576					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	136.41	-1,036.07	986.18	1,430.83					
100.00	100.00	69.16	69.16	3.28	3.28	136.41	-1,036.01	986.06	1,430.26	1,423.70	6.57	217.759		
200.00	200.00	173.39	173.39	3.34	3.32	136.42	-1,035.72	985.54	1,429.72	1,423.06	6.66	214.679		
300.00	300.00	271.44	271.43	3.44	3.41	136.43	-1,035.36	985.02	1,429.09	1,422.23	6.86	208.324		
400.00	399.98	373.77	373.77	3.60	3.56	-12.99	-1,035.05	984.54	1,426.85	1,419.69	7.16	199.309		
500.00	499.84	476.18	476.17	3.79	3.76	-13.06	-1,034.54	983.90	1,420.95	1,413.41	7.55	188.325		
600.00	599.45	575.74	575.73	4.02	3.98	-13.18	-1,033.95	983.23	1,411.58	1,403.58	8.00	176.339		
700.00	698.70	676.36	676.34	4.29	4.24	-13.35	-1,033.41	982.49	1,398.82	1,390.28	8.53	163.903		
800.00	797.47	777.18	777.16	4.60	4.53	-13.57	-1,032.85	981.53	1,382.55	1,373.43	9.12	151.574		
900.00	895.62	874.47	874.44	4.94	4.83	-13.84	-1,032.31	980.50	1,362.88	1,353.14	9.74	139.859		
1,000.00	993.06	972.62	972.59	5.31	5.14	-14.17	-1,031.78	979.50	1,339.95	1,329.54	10.41	128.710		
1,100.00	1,089.64	1,068.55	1,068.50	5.72	5.47	-14.56	-1,031.31	978.38	1,313.69	1,302.59	11.10	118.316		
1,200.00	1,185.27	1,162.73	1,162.68	6.17	5.79	-15.02	-1,030.85	977.39	1,284.30	1,272.48	11.82	108.659		
1,300.00	1,279.82	1,258.45	1,258.39	6.65	6.14	-15.59	-1,030.26	976.54	1,251.78	1,239.21	12.57	99.609		
1,400.00	1,373.17	1,352.12	1,352.06	7.17	6.48	-16.25	-1,029.57	975.59	1,215.98	1,202.65	13.33	91.217		
1,479.95	1,446.87	1,424.80	1,424.73	7.61	6.75	-16.84	-1,029.12	974.82	1,185.21	1,171.26	13.95	84.958		
1,500.00	1,465.24	1,442.98	1,442.91	7.72	6.82	-16.95	-1,029.01	974.64	1,177.27	1,163.16	14.11	83.434		
1,600.00	1,556.88	1,533.27	1,533.19	8.31	7.16	-17.52	-1,028.38	973.82	1,137.71	1,122.82	14.89	76.402		
1,700.00	1,648.52	1,623.25	1,623.17	8.92	7.51	-18.13	-1,027.79	973.13	1,098.36	1,082.67	15.69	70.004		
1,800.00	1,740.15	1,714.68	1,714.59	9.54	7.86	-18.78	-1,027.42	972.26	1,059.18	1,042.67	16.51	64.155		
1,900.00	1,831.79	1,807.74	1,807.65	10.17	8.23	-19.50	-1,027.01	971.29	1,020.03	1,002.69	17.35	58.798		
2,000.00	1,923.43	1,891.02	1,890.92	10.81	8.56	-20.19	-1,026.73	970.74	981.35	963.17	18.18	53.977		
2,100.00	2,015.06	1,979.74	1,979.64	11.46	8.91	-20.98	-1,026.82	970.45	943.33	924.29	19.04	49.547		
2,200.00	2,106.70	2,069.85	2,069.75	12.11	9.27	-21.82	-1,027.31	970.08	905.67	885.76	19.91	45.483		
2,300.00	2,198.34	2,160.45	2,160.35	12.78	9.63	-22.73	-1,027.95	969.76	868.35	847.55	20.80	41.749		
2,400.00	2,289.98	2,252.68	2,252.58	13.44	10.00	-23.74	-1,028.58	969.55	831.32	809.62	21.70	38.306		
2,500.00	2,381.61	2,345.29	2,345.19	14.11	10.37	-24.83	-1,029.31	969.11	794.40	771.79	22.62	35.122		
2,600.00	2,473.25	2,436.49	2,436.38	14.79	10.74	-26.01	-1,030.05	968.64	757.76	734.21	23.55	32.178		
2,700.00	2,564.89	2,527.33	2,527.21	15.47	11.11	-27.30	-1,030.77	968.35	721.57	697.07	24.50	29.456		
2,800.00	2,656.52	2,619.19	2,619.08	16.15	11.49	-28.74	-1,031.49	968.11	685.78	660.32	25.46	26.934		
2,900.00	2,748.16	2,710.50	2,710.37	16.83	11.86	-30.32	-1,032.31	967.87	650.49	624.04	26.45	24.594		
3,000.00	2,839.80	2,802.53	2,802.41	17.52	12.24	-32.10	-1,033.04	967.71	615.72	588.26	27.46	22.423		
3,100.00	2,931.43	2,893.15	2,893.02	18.20	12.61	-34.05	-1,033.75	967.66	581.65	553.15	28.50	20.409		
3,200.00	3,023.07	2,985.35	2,985.22	18.89	12.99	-36.25	-1,034.57	967.64	548.38	518.81	29.57	18.546		
3,300.00	3,114.71	3,078.01	3,077.87	19.58	13.38	-38.74	-1,035.37	967.55	515.88	485.21	30.67	16.819		
3,400.00	3,206.35	3,170.62	3,170.48	20.27	13.76	-41.54	-1,036.12	967.31	484.26	452.44	31.82	15.219		
3,500.00	3,297.98	3,262.33	3,262.19	20.97	14.14	-44.68	-1,036.68	967.06	453.80	420.78	33.02	13.744		
3,600.00	3,389.62	3,353.45	3,353.31	21.66	14.52	-48.18	-1,037.39	966.86	424.96	390.69	34.27	12.399		
3,700.00	3,481.26	3,443.80	3,443.65	22.36	14.90	-52.03	-1,038.61	966.79	398.17	362.58	35.58	11.190		
3,800.00	3,572.89	3,534.21	3,534.03	23.05	15.27	-56.20	-1,040.83	967.06	373.97	337.04	36.93	10.125		
3,900.00	3,664.53	3,625.81	3,625.58	23.75	15.66	-60.82	-1,043.69	967.69	352.59	314.27	38.32	9.202		
4,000.00	3,756.17	3,718.57	3,718.29	24.45	16.05	-65.98	-1,046.69	968.45	334.11	294.40	39.72	8.412		
4,100.00	3,847.80	3,811.60	3,811.27	25.14	16.44	-71.65	-1,049.63	969.20	318.89	277.78	41.12	7.756		
4,200.00	3,939.44	3,904.71	3,904.34	25.84	16.83	-77.80	-1,052.32	969.80	307.37	264.90	42.47	7.238		
4,300.00	4,031.08	3,997.88	3,997.47	26.54	17.22	-84.33	-1,054.90	970.23	300.00	256.27	43.73	6.861		
4,400.00	4,122.72	4,089.95	4,089.52	27.24	17.61	-90.99	-1,057.36	970.61	297.25	252.41	44.84	6.629		
4,405.48	4,127.73	4,094.99	4,094.55	27.28	17.63	-91.36	-1,057.49	970.63	297.24	252.35	44.90	6.621 CC, ES		
4,500.00	4,214.35	4,182.51	4,182.04	27.94	18.00	-97.73	-1,059.61	970.97	299.39	253.61	45.78	6.539 SF		
4,600.00	4,305.99	4,274.49	4,274.00	28.64	18.39	-104.29	-1,061.67	971.23	306.32	259.77	46.55	6.580		
4,700.00	4,397.63	4,366.61	4,366.10	29.35	18.77	-110.55	-1,063.57	971.53	317.85	270.67	47.18	6.737		
4,800.00	4,489.26	4,458.03	4,458.51	30.05	19.16	-116.43	-1,065.29	971.61	333.45	285.74	47.71	6.989		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,580.90	4,551.65	4,551.11	30.75	19.55	-121.84	-1,066.94	971.42	352.53	304.35	48.18	7.316		
5,000.00	4,672.54	4,643.78	4,643.22	31.45	19.94	-126.71	-1,068.65	971.15	374.57	325.93	48.64	7.701		
5,100.00	4,764.17	4,734.91	4,734.34	32.16	20.33	-131.00	-1,070.20	970.98	399.30	350.21	49.09	8.134		
5,200.00	4,855.81	4,825.69	4,825.11	32.86	20.71	-134.79	-1,071.51	971.05	426.43	376.86	49.57	8.603		
5,300.00	4,947.45	4,916.64	4,916.06	33.56	21.09	-138.12	-1,072.64	971.46	455.50	405.41	50.09	9.093		
5,400.00	5,039.08	5,006.95	5,006.36	34.27	21.48	-141.06	-1,073.44	971.82	486.26	435.62	50.64	9.602		
5,500.00	5,130.72	5,099.94	5,099.35	34.97	21.87	-143.78	-1,074.18	971.85	518.21	466.94	51.27	10.107		
5,600.00	5,222.36	5,189.33	5,188.73	35.68	22.25	-146.12	-1,074.77	971.77	551.25	499.38	51.87	10.627		
5,700.00	5,314.00	5,279.94	5,279.34	36.38	22.63	-148.23	-1,075.05	971.74	585.42	532.89	52.53	11.145		
5,800.00	5,405.63	5,371.79	5,371.19	37.08	23.02	-150.17	-1,075.26	971.51	620.34	567.11	53.23	11.654		
5,900.00	5,497.27	5,461.09	5,460.48	37.79	23.40	-151.88	-1,075.42	970.97	655.92	602.01	53.91	12.168		
6,000.00	5,588.91	5,549.59	5,548.99	38.50	23.77	-153.44	-1,075.16	970.19	692.45	637.86	54.59	12.684		
6,100.00	5,680.54	5,638.51	5,637.90	39.20	24.15	-154.84	-1,074.59	969.42	729.74	674.43	55.30	13.195		
6,200.00	5,772.18	5,728.20	5,727.59	39.91	24.53	-156.13	-1,073.75	968.59	767.67	711.63	56.05	13.697		
6,300.00	5,863.82	5,819.98	5,819.36	40.61	24.92	-157.32	-1,072.86	967.90	805.92	749.08	56.84	14.178		
6,400.00	5,955.45	5,910.88	5,910.25	41.32	25.30	-158.38	-1,071.97	967.33	844.45	786.81	57.64	14.651		
6,500.00	6,047.09	6,003.37	6,002.73	42.02	25.69	-159.37	-1,071.12	966.74	883.14	824.66	58.47	15.103		
6,600.00	6,138.73	6,084.20	6,083.56	42.73	26.03	-160.16	-1,069.96	966.21	922.50	863.38	59.11	15.605		
6,700.00	6,230.37	6,171.26	6,170.59	43.44	26.40	-160.94	-1,068.01	965.58	962.76	902.88	59.87	16.080		
6,712.03	6,241.39	6,181.90	6,181.23	43.52	26.45	-161.04	-1,067.76	965.49	967.63	907.66	59.97	16.135		
6,750.00	6,276.38	6,214.65	6,213.97	43.78	26.59	-170.06	-1,066.97	965.20	982.85	922.60	60.25	16.312		
6,800.00	6,322.91	6,256.56	6,255.86	44.09	26.76	177.01	-1,065.81	964.83	1,002.42	941.81	60.61	16.539		
6,850.00	6,369.70	6,298.58	6,297.86	44.36	26.94	163.50	-1,064.47	964.47	1,021.34	960.37	60.97	16.751		
6,900.00	6,416.45	6,346.25	6,345.49	44.59	27.14	150.47	-1,062.85	964.20	1,039.41	977.96	61.44	16.917		
6,950.00	6,462.87	6,393.76	6,392.97	44.79	27.35	138.87	-1,061.25	964.19	1,056.44	994.52	61.93	17.060		
7,000.00	6,508.69	6,446.55	6,445.74	44.95	27.57	129.28	-1,059.64	964.41	1,072.34	1,009.82	62.52	17.152		
7,050.00	6,553.61	6,499.43	6,498.60	45.09	27.79	121.65	-1,058.43	964.75	1,086.99	1,023.85	63.14	17.216		
7,100.00	6,597.37	6,552.46	6,551.63	45.20	28.02	115.79	-1,057.64	965.17	1,100.45	1,036.67	63.79	17.252		
7,150.00	6,639.68	6,604.03	6,603.20	45.30	28.23	111.33	-1,057.33	965.61	1,112.83	1,048.38	64.45	17.266		
7,200.00	6,680.29	6,648.63	6,647.80	45.39	28.42	107.83	-1,057.34	965.90	1,124.40	1,059.33	65.06	17.282		
7,250.00	6,718.96	6,691.79	6,690.96	45.48	28.61	105.18	-1,057.55	966.03	1,135.37	1,069.66	65.71	17.279		
7,300.00	6,755.43	6,729.70	6,728.86	45.57	28.77	103.07	-1,057.84	966.04	1,145.97	1,079.62	66.35	17.272		
7,350.00	6,789.49	6,764.46	6,763.62	45.67	28.91	101.39	-1,058.14	966.01	1,156.43	1,089.41	67.02	17.255		
7,400.00	6,820.93	6,796.63	6,795.79	45.77	29.05	100.06	-1,058.43	965.96	1,166.93	1,099.20	67.74	17.227		
7,450.00	6,849.55	6,827.38	6,826.54	45.89	29.18	99.01	-1,058.74	965.88	1,177.61	1,109.09	68.52	17.186		
7,500.00	6,875.17	6,855.21	6,854.37	46.02	29.30	98.10	-1,059.07	965.78	1,188.59	1,119.24	69.35	17.139		
7,550.00	6,897.64	6,879.74	6,878.90	46.17	29.40	97.26	-1,059.40	965.67	1,200.00	1,129.78	70.21	17.091		
7,600.00	6,916.82	6,900.80	6,899.95	46.35	29.49	96.42	-1,059.70	965.57	1,211.96	1,140.85	71.11	17.044		
7,650.00	6,932.60	6,916.66	6,915.81	46.55	29.56	95.47	-1,059.94	965.48	1,224.55	1,152.55	72.00	17.007		
7,700.00	6,944.86	6,929.12	6,928.27	46.78	29.61	94.44	-1,060.13	965.42	1,237.84	1,164.93	72.91	16.977		
7,750.00	6,953.55	6,938.03	6,937.18	47.04	29.65	93.33	-1,060.26	965.37	1,251.83	1,178.01	73.82	16.959		
7,800.00	6,958.59	6,943.32	6,942.47	47.33	29.67	92.10	-1,060.34	965.34	1,266.47	1,191.77	74.71	16.953		
7,842.10	6,960.00	6,944.96	6,944.11	47.60	29.68	90.99	-1,060.36	965.33	1,279.27	1,203.84	75.43	16.959		
7,900.00	6,960.15	6,945.42	6,944.57	48.01	29.68	91.02	-1,060.37	965.33	1,298.31	1,221.91	76.40	16.993		
8,000.00	6,960.40	6,946.23	6,945.37	48.86	29.69	91.05	-1,060.38	965.32	1,336.47	1,258.46	78.01	17.132		
8,100.00	6,960.65	6,947.03	6,946.18	49.87	29.69	91.09	-1,060.39	965.32	1,380.82	1,301.33	79.49	17.370		
8,200.00	6,960.91	6,947.84	6,946.98	51.06	29.69	91.13	-1,060.40	965.31	1,430.81	1,349.97	80.84	17.699		
8,300.00	6,961.16	6,948.64	6,947.79	52.41	29.70	91.17	-1,060.42	965.31	1,485.85	1,403.81	82.04	18.112		
8,400.00	6,961.41	6,949.45	6,948.60	53.93	29.70	91.21	-1,060.43	965.30	1,545.40	1,462.31	83.09	18.599		
8,500.00	6,961.66	6,950.26	6,949.41	55.59	29.70	91.24	-1,060.44	965.30	1,608.98	1,524.96	84.01	19.152		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON #3(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	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)			
8,600.00	6,961.91	6,951.07	6,950.22	57.37	29.71	91.28	-1,060.45	965.29	1,676.11	1,591.30	84.81	19.763		
8,700.00	6,962.16	6,951.89	6,951.03	59.27	29.71	91.32	-1,060.46	965.29	1,746.38	1,660.89	85.50	20.426		
8,800.00	6,962.42	6,952.70	6,951.85	61.26	29.71	91.36	-1,060.48	965.28	1,819.45	1,733.36	86.09	21.135		
8,900.00	6,962.67	6,953.51	6,952.66	63.34	29.72	91.40	-1,060.49	965.28	1,894.97	1,808.37	86.59	21.883		
9,000.00	6,962.92	6,954.33	6,953.48	65.49	29.72	91.43	-1,060.50	965.27	1,972.67	1,885.64	87.03	22.667		
9,100.00	6,963.17	6,955.15	6,954.29	67.70	29.73	91.47	-1,060.51	965.27	2,052.30	1,964.90	87.40	23.481		
9,200.00	6,963.42	6,955.97	6,955.11	69.97	29.73	91.51	-1,060.52	965.27	2,133.65	2,045.93	87.72	24.323		
9,300.00	6,963.68	6,956.79	6,955.93	72.28	29.73	91.55	-1,060.54	965.26	2,216.53	2,128.53	88.00	25.189		
9,400.00	6,963.93	6,957.61	6,956.75	74.64	29.74	91.59	-1,060.55	965.26	2,300.76	2,212.53	88.23	26.077		
9,500.00	6,964.18	6,958.43	6,957.58	77.04	29.74	91.63	-1,060.56	965.25	2,386.21	2,297.78	88.43	26.983		
9,600.00	6,964.43	6,959.25	6,958.40	79.48	29.74	91.67	-1,060.57	965.25	2,472.76	2,384.15	88.61	27.907		
9,700.00	6,964.68	6,960.08	6,959.22	81.94	29.75	91.71	-1,060.58	965.24	2,560.28	2,471.53	88.76	28.846		
9,800.00	6,964.94	6,960.90	6,960.05	84.43	29.75	91.74	-1,060.59	965.24	2,648.69	2,559.80	88.89	29.799		
9,900.00	6,965.19	6,961.73	6,960.88	86.95	29.75	91.78	-1,060.61	965.23	2,737.90	2,648.90	89.00	30.764		
10,000.00	6,965.44	6,962.56	6,961.71	89.49	29.76	91.82	-1,060.62	965.23	2,827.82	2,738.73	89.09	31.739		
10,100.00	6,965.69	6,963.39	6,962.54	92.05	29.76	91.86	-1,060.63	965.22	2,918.40	2,829.23	89.18	32.725		
10,200.00	6,965.94	6,964.22	6,963.37	94.63	29.76	91.90	-1,060.64	965.22	3,009.58	2,920.33	89.25	33.720		
10,300.00	6,966.19	6,965.05	6,964.20	97.22	29.77	91.94	-1,060.66	965.21	3,101.31	3,011.99	89.32	34.723		
10,400.00	6,966.45	6,965.89	6,965.03	99.83	29.77	91.98	-1,060.67	965.21	3,193.52	3,104.15	89.37	35.733		
10,500.00	6,966.70	6,966.72	6,965.87	102.46	29.77	92.02	-1,060.68	965.20	3,286.20	3,196.78	89.42	36.749		
10,600.00	6,966.95	6,967.56	6,966.71	105.09	29.78	92.06	-1,060.69	965.20	3,379.29	3,289.82	89.47	37.772		
10,700.00	6,967.20	6,968.40	6,967.54	107.74	29.78	92.10	-1,060.70	965.19	3,472.77	3,383.26	89.51	38.800		
10,800.00	6,967.45	6,969.24	6,968.38	110.41	29.79	92.14	-1,060.72	965.19	3,566.60	3,477.06	89.54	39.833		
10,900.00	6,967.71	6,970.08	6,969.22	113.08	29.79	92.18	-1,060.73	965.18	3,660.75	3,571.18	89.57	40.870		
11,000.00	6,967.96	6,970.92	6,970.07	115.76	29.79	92.22	-1,060.74	965.18	3,755.21	3,665.61	89.60	41.911		
11,100.00	6,968.21	6,971.76	6,970.91	118.45	29.80	92.26	-1,060.75	965.17	3,849.95	3,760.32	89.62	42.956		
11,200.00	6,968.46	6,972.61	6,971.75	121.15	29.80	92.30	-1,060.76	965.17	3,944.94	3,855.30	89.65	44.005		
11,300.00	6,968.71	6,973.45	6,972.60	123.85	29.80	92.33	-1,060.78	965.16	4,040.18	3,950.51	89.67	45.056		
11,400.00	6,968.97	6,974.30	6,973.45	126.56	29.81	92.37	-1,060.79	965.16	4,135.65	4,045.95	89.69	46.110		
11,500.00	6,969.22	6,975.15	6,974.29	129.28	29.81	92.41	-1,060.80	965.15	4,231.32	4,141.61	89.71	47.167		
11,600.00	6,969.47	6,976.00	6,975.14	132.01	29.81	92.45	-1,060.81	965.15	4,327.19	4,237.46	89.73	48.226		
11,700.00	6,969.72	6,976.85	6,976.00	134.74	29.82	92.49	-1,060.83	965.14	4,423.24	4,333.49	89.75	49.286		
11,800.00	6,969.97	6,977.70	6,976.85	137.48	29.82	92.53	-1,060.84	965.14	4,519.46	4,429.70	89.76	50.349		
11,900.00	6,970.22	6,978.56	6,977.70	140.22	29.82	92.57	-1,060.85	965.13	4,615.84	4,526.06	89.78	51.413		
12,000.00	6,970.48	6,979.41	6,978.56	142.97	29.83	92.62	-1,060.86	965.13	4,712.37	4,622.58	89.80	52.479		
12,100.00	6,970.73	6,980.27	6,979.41	145.72	29.83	92.66	-1,060.87	965.12	4,809.05	4,719.24	89.81	53.545		
12,200.00	6,970.98	6,981.13	6,980.27	148.47	29.84	92.70	-1,060.89	965.12	4,905.86	4,816.03	89.83	54.613		
12,300.00	6,971.23	6,981.99	6,981.13	151.23	29.84	92.74	-1,060.90	965.11	5,002.79	4,912.94	89.85	55.682		
12,400.00	6,971.48	6,982.85	6,981.99	154.00	29.84	92.78	-1,060.91	965.11	5,099.84	5,009.98	89.86	56.752		
12,500.00	6,971.74	6,983.71	6,982.85	156.76	29.85	92.82	-1,060.92	965.10	5,197.00	5,107.13	89.88	57.822		
12,600.00	6,971.99	6,984.58	6,983.72	159.53	29.85	92.86	-1,060.94	965.10	5,294.27	5,204.38	89.90	58.893		
12,700.00	6,972.24	6,985.44	6,984.58	162.31	29.85	92.90	-1,060.95	965.09	5,391.64	5,301.73	89.91	59.965		
12,800.00	6,972.49	6,986.31	6,985.45	165.09	29.86	92.94	-1,060.96	965.09	5,489.10	5,399.17	89.93	61.037		
12,900.00	6,972.74	6,987.17	6,986.32	167.86	29.86	92.98	-1,060.97	965.08	5,586.66	5,496.71	89.95	62.109		
13,002.01	6,973.00	6,988.06	6,987.20	170.70	29.87	93.02	-1,060.99	965.08	5,686.26	5,596.29	89.97	63.202		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-12(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	72.96	287.46	937.74	981.51					
100.00	100.00	65.08	65.08	3.28	3.28	72.95	287.52	937.65	980.74	974.17	6.57	149.328		
200.00	200.00	167.63	167.63	3.34	3.32	72.93	287.78	937.19	980.39	973.73	6.66	147.298		
300.00	300.00	266.95	266.94	3.44	3.41	72.91	287.98	936.62	979.90	973.05	6.85	142.960		
400.00	399.98	363.08	363.08	3.60	3.54	-76.61	288.07	936.36	979.26	972.12	7.14	137.165		
500.00	499.84	457.25	457.25	3.79	3.71	-76.90	288.09	936.60	978.32	970.82	7.50	130.449		
600.00	599.45	548.55	548.54	4.02	3.91	-77.35	287.90	937.57	977.33	969.39	7.93	123.236		
700.00	698.70	640.48	640.45	4.29	4.14	-77.95	287.57	939.50	976.59	968.16	8.43	115.842		
800.00	797.47	736.49	736.42	4.60	4.41	-78.76	287.10	942.05	975.77	966.77	9.00	108.401		
900.00	895.62	833.31	833.19	4.94	4.71	-79.75	286.43	944.90	974.73	965.10	9.63	101.202		
1,000.00	993.06	931.44	931.28	5.31	5.02	-80.96	285.71	947.98	973.59	963.27	10.32	94.357		
1,100.00	1,089.64	1,031.47	1,031.26	5.72	5.36	-82.38	284.70	950.86	972.07	961.01	11.06	87.884		
1,200.00	1,185.27	1,125.58	1,125.32	6.17	5.68	-83.89	283.64	953.68	970.81	958.98	11.83	82.051		
1,300.00	1,279.82	1,220.23	1,219.93	6.65	6.02	-85.60	282.77	956.63	970.21	957.56	12.65	76.691		
1,361.57	1,337.44	1,281.14	1,280.81	6.96	6.24	-86.80	282.18	958.43	970.12	956.93	13.19	73.547 CC		
1,400.00	1,373.17	1,317.96	1,317.61	7.17	6.38	-87.55	281.79	959.45	970.17	956.64	13.53	71.721		
1,479.95	1,446.87	1,391.79	1,391.41	7.61	6.65	-89.14	281.20	961.39	970.86	956.61	14.24	68.159 ES		
1,500.00	1,465.24	1,410.13	1,409.75	7.72	6.72	-89.56	281.10	961.85	971.17	956.75	14.43	67.318		
1,600.00	1,556.88	1,501.55	1,501.13	8.31	7.07	-91.63	280.58	964.24	973.72	958.36	15.36	63.411		
1,700.00	1,648.52	1,597.30	1,596.85	8.92	7.43	-93.78	280.06	966.56	977.65	961.33	16.32	59.903		
1,800.00	1,740.15	1,700.71	1,700.25	9.54	7.83	-96.12	279.48	968.14	982.40	965.07	17.33	56.692		
1,900.00	1,831.79	1,798.47	1,798.00	10.17	8.21	-98.33	278.75	968.70	987.87	969.55	18.32	53.914		
2,000.00	1,923.43	1,891.90	1,891.42	10.81	8.57	-100.43	277.89	968.93	994.52	975.22	19.30	51.517		
2,100.00	2,015.06	1,980.30	1,979.82	11.46	8.92	-102.39	277.20	969.13	1,002.75	982.48	20.27	49.475		
2,200.00	2,106.70	2,075.83	2,075.35	12.11	9.30	-104.49	276.63	969.32	1,012.53	991.27	21.26	47.626		
2,300.00	2,198.34	2,167.43	2,166.95	12.78	9.66	-106.47	275.89	969.27	1,023.45	1,001.21	22.23	46.033		
2,400.00	2,289.98	2,257.88	2,257.40	13.44	10.03	-108.38	275.28	969.33	1,035.91	1,012.72	23.20	44.658		
2,500.00	2,381.61	2,346.36	2,346.88	14.11	10.38	-110.22	274.79	969.47	1,049.86	1,025.71	24.14	43.482		
2,600.00	2,473.25	2,434.16	2,433.67	14.79	10.74	-112.00	274.73	969.72	1,065.51	1,040.43	25.08	42.481		
2,700.00	2,564.89	2,525.55	2,525.06	15.47	11.11	-113.82	274.83	970.03	1,082.57	1,056.54	26.03	41.589		
2,800.00	2,656.52	2,619.70	2,619.21	16.15	11.49	-115.64	274.89	970.22	1,100.72	1,073.73	26.99	40.788		
2,900.00	2,748.16	2,715.38	2,714.89	16.83	11.88	-117.44	274.74	970.15	1,119.70	1,091.76	27.94	40.070		
3,000.00	2,839.80	2,809.85	2,809.36	17.52	12.27	-119.17	274.48	969.78	1,139.53	1,110.65	28.89	39.447		
3,100.00	2,931.43	2,910.65	2,910.16	18.20	12.69	-120.95	273.67	969.23	1,159.91	1,130.05	29.86	38.843		
3,200.00	3,023.07	3,007.09	3,006.59	18.89	13.09	-122.59	272.31	968.66	1,180.74	1,149.94	30.81	38.328		
3,300.00	3,114.71	3,086.23	3,085.72	19.58	13.41	-123.90	271.49	968.29	1,202.84	1,171.20	31.64	38.011		
3,400.00	3,206.35	3,178.96	3,178.45	20.27	13.80	-125.38	270.97	968.05	1,226.31	1,193.75	32.56	37.668		
3,500.00	3,297.98	3,268.10	3,267.59	20.97	14.17	-126.75	270.32	968.02	1,250.51	1,217.07	33.44	37.396		
3,600.00	3,389.62	3,357.07	3,356.56	21.66	14.54	-128.05	269.80	968.44	1,275.76	1,241.44	34.32	37.174		
3,700.00	3,481.26	3,444.70	3,444.18	22.36	14.91	-129.26	269.28	969.47	1,301.89	1,266.71	35.19	37.001		
3,800.00	3,572.89	3,540.78	3,540.23	23.05	15.31	-130.51	268.78	971.41	1,328.95	1,292.84	36.11	36.804		
3,900.00	3,664.53	3,646.90	3,646.32	23.75	15.75	-131.82	267.04	973.54	1,355.54	1,318.44	37.10	36.537		
4,000.00	3,756.17	3,736.07	3,735.47	24.45	16.12	-132.92	265.54	974.27	1,382.38	1,344.41	37.97	36.408		
4,100.00	3,847.80	3,818.44	3,817.84	25.14	16.47	-133.91	264.72	974.84	1,410.33	1,371.54	38.79	36.362		
4,200.00	3,939.44	3,904.82	3,904.21	25.84	16.83	-134.94	264.39	975.08	1,439.26	1,399.64	39.62	36.323		
4,300.00	4,031.08	3,990.85	3,990.24	26.54	17.19	-135.93	264.42	975.26	1,469.05	1,428.59	40.45	36.314		
4,400.00	4,122.72	4,089.38	4,088.78	27.24	17.61	-137.02	264.44	975.52	1,499.32	1,457.94	41.38	36.235		
4,500.00	4,214.35	4,183.71	4,183.10	27.94	18.00	-138.03	264.16	975.42	1,529.68	1,487.41	42.27	36.190		
4,600.00	4,305.99	4,283.83	4,283.22	28.64	18.42	-139.08	263.60	975.02	1,560.20	1,517.00	43.20	36.116		
4,700.00	4,397.63	4,380.63	4,380.01	29.35	18.83	-140.06	262.62	974.40	1,590.68	1,546.58	44.11	36.065		
4,800.00	4,489.26	4,500.44	4,499.80	30.05	19.34	-141.22	260.36	973.45	1,620.78	1,575.60	45.18	35.873		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 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		
4,900.00	4,580.90	4,632.57	4,631.80	30.75	19.90	-142.46	254.99	971.57	1,649.14	1,602.81	46.33	35.597		
5,000.00	4,672.54	4,742.54	4,741.56	31.45	20.36	-143.46	248.50	969.81	1,676.12	1,628.80	47.32	35.422		
5,100.00	4,764.17	4,833.85	4,832.70	32.16	20.75	-144.23	242.79	968.93	1,703.21	1,655.02	48.19	35.343		
5,200.00	4,855.81	4,920.69	4,919.37	32.86	21.12	-144.94	237.58	968.39	1,730.85	1,681.82	49.03	35.299		
5,300.00	4,947.45	5,003.72	5,002.28	33.56	21.47	-145.61	233.02	967.68	1,759.25	1,709.40	49.85	35.293		
5,400.00	5,039.08	5,076.28	5,074.75	34.27	21.78	-146.18	229.67	966.96	1,788.75	1,738.17	50.58	35.365		
5,500.00	5,130.72	5,152.56	5,150.98	34.97	22.11	-146.76	226.97	966.27	1,819.50	1,768.17	51.33	35.446		
5,600.00	5,222.36	5,227.72	5,226.11	35.68	22.43	-147.33	224.92	965.46	1,851.30	1,799.23	52.07	35.556		
5,700.00	5,314.00	5,300.00	5,298.38	36.38	22.73	-147.86	223.76	964.55	1,884.34	1,831.57	52.77	35.706		
5,800.00	5,405.63	5,381.53	5,379.90	37.08	23.07	-148.45	223.10	963.36	1,918.36	1,864.81	53.55	35.824		
5,900.00	5,497.27	5,455.70	5,454.05	37.79	23.39	-148.98	222.91	962.06	1,953.16	1,898.90	54.26	35.997		
6,000.00	5,588.91	5,527.94	5,526.28	38.50	23.69	-149.48	223.46	960.58	1,989.09	1,934.15	54.94	36.202		
6,100.00	5,680.54	5,602.89	5,601.20	39.20	24.00	-149.99	224.67	958.97	2,026.03	1,970.38	55.65	36.407		
6,200.00	5,772.18	5,724.49	5,722.77	39.91	24.52	-150.78	226.25	956.68	2,062.88	2,006.10	56.78	36.329		
6,300.00	5,863.82	5,846.85	5,845.10	40.61	25.03	-151.54	225.74	954.61	2,098.28	2,040.37	57.92	36.229		
6,400.00	5,955.45	5,946.15	5,944.40	41.32	25.45	-152.11	224.59	953.65	2,133.20	2,074.34	58.85	36.247		
6,500.00	6,047.09	6,036.32	6,034.55	42.02	25.83	-152.61	223.39	952.81	2,168.10	2,108.39	59.71	36.311		
6,600.00	6,138.73	6,120.78	6,119.01	42.73	26.19	-153.07	222.55	952.19	2,203.46	2,142.94	60.52	36.411		
6,700.00	6,230.37	6,212.99	6,211.21	43.44	26.58	-153.54	221.77	951.55	2,239.08	2,177.69	61.39	36.471		
6,712.03	6,241.39	6,224.54	6,222.76	43.52	26.63	-153.60	221.66	951.47	2,243.37	2,181.87	61.50	36.476		
6,750.00	6,276.38	6,261.20	6,259.42	43.78	26.79	-162.40	221.32	951.17	2,256.85	2,195.01	61.85	36.491		
6,800.00	6,322.91	6,310.01	6,308.22	44.09	27.00	-175.18	220.81	950.74	2,274.36	2,212.07	62.30	36.508		
6,850.00	6,369.70	6,354.39	6,352.59	44.36	27.18	171.31	220.36	950.36	2,291.54	2,228.83	62.70	36.547		
6,900.00	6,416.45	6,399.53	6,397.74	44.59	27.38	158.08	219.95	949.99	2,308.28	2,245.17	63.11	36.577		
6,950.00	6,462.87	6,447.79	6,445.99	44.79	27.58	146.12	219.51	949.63	2,324.49	2,260.94	63.54	36.581		
7,000.00	6,508.69	6,495.49	6,493.68	44.95	27.78	135.92	219.04	949.33	2,340.06	2,276.07	63.98	36.574		
7,050.00	6,553.61	6,538.54	6,536.73	45.09	27.97	127.51	218.63	949.08	2,354.98	2,290.59	64.39	36.574		
7,100.00	6,597.37	6,580.06	6,578.25	45.20	28.14	120.69	218.27	948.86	2,369.29	2,304.49	64.80	36.561		
7,150.00	6,639.68	6,622.30	6,620.49	45.30	28.32	115.21	217.95	948.64	2,382.96	2,317.72	65.25	36.522		
7,200.00	6,680.29	6,664.92	6,663.11	45.39	28.50	110.81	217.59	948.37	2,395.96	2,330.24	65.72	36.456		
7,250.00	6,718.96	6,705.63	6,703.82	45.48	28.68	107.25	217.22	948.04	2,408.28	2,342.07	66.21	36.371		
7,300.00	6,755.43	6,740.44	6,738.62	45.57	28.82	104.28	216.90	947.71	2,420.02	2,353.32	66.70	36.284		
7,350.00	6,789.49	6,773.51	6,771.68	45.67	28.96	101.84	216.62	947.35	2,431.20	2,363.99	67.21	36.174		
7,400.00	6,820.93	6,804.45	6,802.63	45.77	29.10	99.81	216.38	946.96	2,441.88	2,374.13	67.75	36.040		
7,450.00	6,849.55	6,834.43	6,832.60	45.89	29.22	98.14	216.14	946.56	2,452.08	2,383.74	68.35	35.876		
7,500.00	6,875.17	6,861.45	6,859.61	46.02	29.34	96.72	215.92	946.16	2,461.84	2,392.87	68.98	35.691		
7,550.00	6,897.64	6,885.31	6,883.48	46.17	29.44	95.51	215.71	945.80	2,471.20	2,401.56	69.64	35.485		
7,600.00	6,916.82	6,905.88	6,904.04	46.35	29.53	94.45	215.53	945.47	2,480.21	2,409.87	70.34	35.260		
7,650.00	6,932.60	6,920.73	6,918.89	46.55	29.59	93.47	215.41	945.24	2,488.89	2,417.84	71.05	35.030		
7,700.00	6,944.86	6,932.82	6,930.98	46.78	29.64	92.60	215.31	945.06	2,497.27	2,425.47	71.79	34.784		
7,750.00	6,953.55	6,941.55	6,939.71	47.04	29.68	91.82	215.24	944.94	2,505.35	2,432.79	72.56	34.527		
7,800.00	6,958.59	6,946.88	6,945.04	47.33	29.70	91.11	215.20	944.86	2,513.12	2,439.77	73.35	34.264		
7,842.10	6,960.00	6,948.72	6,946.88	47.60	29.71	90.57	215.19	944.84	2,519.41	2,445.40	74.01	34.041		
7,900.00	6,960.15	6,949.60	6,947.75	48.01	29.71	90.59	215.18	944.83	2,528.54	2,453.59	74.95	33.738		
8,000.00	6,960.40	6,951.09	6,949.24	48.86	29.72	90.62	215.17	944.80	2,547.33	2,470.70	76.63	33.243		
8,100.00	6,960.65	6,952.57	6,950.73	49.87	29.72	90.66	215.16	944.78	2,569.88	2,491.51	78.37	32.793		
8,200.00	6,960.91	6,954.04	6,952.20	51.06	29.73	90.69	215.15	944.76	2,596.09	2,515.95	80.14	32.395		
8,300.00	6,961.16	6,955.50	6,953.65	52.41	29.74	90.73	215.14	944.74	2,625.84	2,543.92	81.92	32.055		
8,400.00	6,961.41	6,956.94	6,955.10	53.93	29.74	90.76	215.13	944.72	2,659.02	2,575.34	83.69	31.774		
8,500.00	6,961.66	6,958.38	6,956.53	55.59	29.75	90.79	215.12	944.71	2,695.51	2,610.08	85.43	31.553		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,959.80	6,957.95	57.37	29.76	90.82	215.11	944.69	2,735.16	2,648.03	87.13	31.392		
8,700.00	6,962.16	6,961.21	6,959.36	59.27	29.76	90.86	215.10	944.67	2,777.85	2,689.07	88.78	31.289		
8,800.00	6,962.42	6,962.61	6,960.76	61.26	29.77	90.89	215.09	944.65	2,823.44	2,733.07	90.37	31.242 SF		
8,900.00	6,962.67	6,964.00	6,962.15	63.34	29.77	90.92	215.08	944.63	2,871.79	2,779.89	91.90	31.248		
9,000.00	6,962.92	6,965.37	6,963.52	65.49	29.78	90.95	215.07	944.61	2,922.76	2,829.39	93.37	31.304		
9,100.00	6,963.17	6,966.74	6,964.89	67.70	29.78	90.98	215.06	944.59	2,976.21	2,881.45	94.76	31.407		
9,200.00	6,963.42	6,968.09	6,966.24	69.97	29.79	91.02	215.05	944.58	3,032.03	2,935.94	96.09	31.555		
9,300.00	6,963.68	6,969.43	6,967.59	72.28	29.80	91.05	215.04	944.56	3,090.07	2,992.72	97.34	31.744		
9,400.00	6,963.93	6,970.77	6,968.92	74.64	29.80	91.08	215.03	944.54	3,150.21	3,051.68	98.53	31.972		
9,500.00	6,964.18	6,972.09	6,970.24	77.04	29.81	91.11	215.02	944.53	3,212.34	3,112.69	99.65	32.236		
9,600.00	6,964.43	6,973.40	6,971.55	79.48	29.81	91.14	215.01	944.51	3,276.35	3,175.64	100.71	32.533		
9,700.00	6,964.68	6,974.70	6,972.85	81.94	29.82	91.17	215.01	944.49	3,342.12	3,240.42	101.70	32.862		
9,800.00	6,964.94	6,975.99	6,974.14	84.43	29.82	91.20	215.00	944.48	3,409.56	3,306.92	102.64	33.219		
9,900.00	6,965.19	6,977.27	6,975.42	86.95	29.83	91.23	214.99	944.46	3,478.56	3,375.04	103.52	33.603		
10,000.00	6,965.44	6,978.54	6,976.70	89.49	29.83	91.26	214.98	944.44	3,549.04	3,444.70	104.35	34.012		
10,100.00	6,965.69	6,979.81	6,977.96	92.05	29.84	91.28	214.97	944.43	3,620.91	3,515.79	105.12	34.445		
10,200.00	6,965.94	6,981.06	6,979.21	94.63	29.85	91.31	214.96	944.41	3,694.09	3,588.24	105.85	34.899		
10,300.00	6,966.19	6,982.30	6,980.45	97.22	29.85	91.34	214.95	944.40	3,768.50	3,661.96	106.54	35.373		
10,400.00	6,966.45	6,983.53	6,981.68	99.83	29.86	91.37	214.95	944.38	3,844.07	3,736.89	107.18	35.866		
10,500.00	6,966.70	6,984.75	6,982.90	102.46	29.86	91.40	214.94	944.37	3,920.73	3,812.95	107.78	36.376		
10,600.00	6,966.95	6,985.97	6,984.12	105.09	29.87	91.43	214.93	944.35	3,998.43	3,890.08	108.35	36.903		
10,700.00	6,967.20	6,987.17	6,985.32	107.74	29.87	91.45	214.92	944.34	4,077.09	3,968.21	108.88	37.445		
10,800.00	6,967.45	6,988.37	6,986.52	110.41	29.88	91.48	214.91	944.32	4,156.68	4,047.29	109.38	38.001		
10,900.00	6,967.71	6,989.55	6,987.70	113.08	29.88	91.51	214.91	944.31	4,237.13	4,127.27	109.85	38.570		
11,000.00	6,967.96	6,990.73	6,988.88	115.76	29.89	91.54	214.90	944.30	4,318.39	4,208.09	110.30	39.152		
11,100.00	6,968.21	6,991.90	6,990.05	118.45	29.89	91.56	214.89	944.28	4,400.43	4,289.71	110.72	39.745		
11,200.00	6,968.46	6,993.06	6,991.21	121.15	29.90	91.59	214.89	944.27	4,483.19	4,372.09	111.11	40.350		
11,300.00	6,968.71	6,994.21	6,992.36	123.85	29.90	91.62	214.88	944.25	4,566.65	4,455.17	111.48	40.964		
11,400.00	6,968.97	6,995.35	6,993.50	126.56	29.91	91.64	214.87	944.24	4,650.76	4,538.93	111.83	41.588		
11,500.00	6,969.22	6,996.49	6,994.64	129.28	29.91	91.67	214.86	944.23	4,735.48	4,623.32	112.16	42.221		
11,600.00	6,969.47	6,997.61	6,995.76	132.01	29.92	91.69	214.86	944.21	4,820.79	4,708.32	112.47	42.863		
11,700.00	6,969.72	7,000.00	6,998.15	134.74	29.93	91.75	214.84	944.19	4,906.66	4,793.88	112.77	43.510		
11,800.00	6,969.97	7,000.00	6,998.15	137.48	29.93	91.75	214.84	944.19	4,993.05	4,880.00	113.04	44.169		
11,900.00	6,970.22	7,000.99	6,999.14	140.22	29.93	91.77	214.84	944.18	5,079.94	4,966.63	113.31	44.833		
12,000.00	6,970.48	7,002.12	7,000.27	142.97	29.94	91.80	214.83	944.16	5,167.30	5,053.74	113.56	45.503		
12,100.00	6,970.73	7,003.25	7,001.40	145.72	29.94	91.82	214.82	944.15	5,255.11	5,141.32	113.80	46.180		
12,200.00	6,970.98	7,004.37	7,002.52	148.47	29.94	91.85	214.82	944.14	5,343.35	5,229.33	114.02	46.862		
12,300.00	6,971.23	7,005.47	7,003.62	151.23	29.95	91.87	214.81	944.12	5,432.00	5,317.77	114.24	47.551		
12,400.00	6,971.48	7,006.57	7,004.72	154.00	29.95	91.90	214.80	944.11	5,521.04	5,406.60	114.44	48.244		
12,500.00	6,971.74	7,007.66	7,005.80	156.76	29.96	91.92	214.79	944.10	5,610.44	5,495.81	114.63	48.942		
12,600.00	6,971.99	7,008.73	7,006.88	159.53	29.96	91.95	214.79	944.09	5,700.20	5,585.38	114.82	49.645		
12,700.00	6,972.24	7,009.80	7,007.94	162.31	29.97	91.97	214.78	944.08	5,790.29	5,675.30	115.00	50.352		
12,800.00	6,972.49	7,010.85	7,009.00	165.09	29.97	92.00	214.77	944.07	5,880.71	5,765.54	115.16	51.064		
12,900.00	6,972.74	7,011.90	7,010.04	167.86	29.98	92.02	214.77	944.05	5,971.43	5,856.10	115.32	51.779		
13,002.01	6,973.00	7,012.95	7,011.10	170.70	29.98	92.05	214.76	944.04	6,064.27	5,948.79	115.48	52.513		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	100.01	-280.46	1,589.08	1,614.32					
100.00	100.00	58.52	58.52	3.28	3.28	100.01	-280.37	1,588.99	1,613.55	1,606.98	6.57	245.699		
200.00	200.00	155.01	155.00	3.34	3.31	99.99	-279.95	1,588.67	1,613.15	1,606.50	6.65	242.659		
216.85	216.85	169.85	169.85	3.35	3.32	99.99	-279.91	1,588.67	1,613.14	1,606.47	6.67	241.798		
300.00	300.00	251.04	251.03	3.44	3.39	99.99	-279.81	1,588.82	1,613.27	1,606.44	6.84	236.003		
400.00	399.98	353.56	353.56	3.60	3.53	-49.48	-279.86	1,588.83	1,612.16	1,605.03	7.12	226.321		
500.00	499.84	444.33	444.33	3.79	3.69	-49.66	-279.75	1,588.93	1,608.86	1,601.39	7.47	215.245		
600.00	599.45	527.47	527.46	4.02	3.86	-49.95	-279.15	1,589.94	1,604.29	1,596.41	7.88	203.490		
700.00	698.70	612.71	612.67	4.29	4.07	-50.36	-278.60	1,591.75	1,598.45	1,590.09	8.36	191.186		
800.00	797.47	696.75	696.68	4.60	4.30	-50.86	-278.13	1,594.30	1,591.37	1,582.48	8.89	179.000		
900.00	895.62	787.62	787.48	4.94	4.57	-51.52	-277.58	1,597.72	1,582.93	1,573.44	9.49	166.809		
1,000.00	993.06	884.30	884.08	5.31	4.88	-52.35	-276.94	1,601.64	1,572.80	1,562.65	10.15	154.890		
1,100.00	1,089.64	977.94	977.63	5.72	5.19	-53.30	-276.18	1,605.54	1,560.90	1,550.05	10.86	143.773		
1,200.00	1,185.27	1,065.13	1,064.73	6.17	5.50	-54.31	-275.68	1,609.47	1,547.63	1,536.05	11.58	133.632		
1,300.00	1,279.82	1,155.02	1,154.51	6.65	5.82	-55.46	-275.95	1,613.95	1,533.31	1,520.95	12.36	124.086		
1,400.00	1,373.17	1,243.93	1,243.30	7.17	6.15	-56.73	-276.13	1,618.60	1,517.76	1,504.59	13.17	115.224		
1,479.95	1,446.87	1,311.65	1,310.91	7.61	6.41	-57.81	-276.13	1,622.46	1,504.76	1,490.91	13.84	108.691		
1,500.00	1,465.24	1,328.30	1,327.53	7.72	6.47	-58.03	-276.10	1,623.45	1,501.48	1,487.46	14.02	107.124		
1,600.00	1,556.88	1,410.75	1,409.81	8.31	6.79	-59.15	-275.67	1,628.72	1,485.94	1,471.05	14.89	99.820		
1,700.00	1,648.52	1,490.20	1,489.05	8.92	7.11	-60.24	-275.21	1,634.43	1,471.95	1,456.18	15.77	93.325		
1,800.00	1,740.15	1,574.95	1,573.54	9.54	7.46	-61.43	-274.56	1,641.15	1,459.49	1,442.79	16.70	87.386		
1,900.00	1,831.79	1,663.72	1,661.98	10.17	7.83	-62.71	-273.41	1,648.55	1,448.29	1,430.62	17.67	81.977		
2,000.00	1,923.43	1,759.52	1,757.45	10.81	8.23	-64.09	-272.86	1,656.62	1,438.05	1,419.37	18.68	76.990		
2,100.00	2,015.06	1,857.02	1,854.63	11.46	8.64	-65.47	-273.11	1,664.56	1,428.34	1,408.63	19.71	72.458		
2,200.00	2,106.70	1,960.32	1,957.61	12.11	9.07	-66.97	-273.31	1,672.56	1,419.17	1,398.38	20.78	68.278		
2,300.00	2,198.34	2,058.21	2,055.26	12.78	9.48	-68.41	-273.36	1,679.35	1,410.15	1,388.30	21.85	64.542		
2,400.00	2,289.98	2,153.48	2,150.31	13.44	9.87	-69.84	-272.94	1,685.83	1,402.02	1,379.11	22.91	61.188		
2,500.00	2,381.61	2,253.10	2,249.72	14.11	10.28	-71.35	-272.68	1,692.24	1,394.49	1,370.49	24.01	58.092		
2,600.00	2,473.25	2,356.37	2,352.82	14.79	10.70	-72.92	-272.82	1,698.34	1,387.38	1,362.26	25.12	55.233		
2,700.00	2,564.89	2,455.35	2,451.66	15.47	11.11	-74.44	-273.20	1,703.48	1,380.55	1,354.33	26.22	52.648		
2,800.00	2,656.52	2,545.82	2,542.01	16.15	11.47	-75.85	-273.44	1,708.05	1,374.61	1,347.31	27.30	50.355		
2,900.00	2,748.16	2,631.92	2,627.99	16.83	11.83	-77.19	-273.69	1,712.72	1,370.00	1,341.64	28.36	48.307		
3,000.00	2,839.80	2,718.00	2,713.90	17.52	12.19	-78.52	-274.09	1,717.96	1,366.92	1,337.50	29.42	46.456		
3,100.00	2,931.43	2,810.36	2,806.09	18.20	12.57	-79.95	-274.58	1,723.79	1,365.03	1,334.52	30.52	44.731		
3,200.00	3,023.07	2,899.18	2,894.71	18.89	12.95	-81.32	-275.22	1,729.64	1,364.31	1,332.72	31.59	43.184		
3,207.54	3,029.98	2,906.02	2,901.53	18.94	12.97	-81.42	-275.28	1,730.11	1,364.31	1,332.63	31.68	43.072 CC		
3,300.00	3,114.71	2,990.13	2,985.43	19.58	13.33	-82.71	-276.05	1,735.94	1,364.79	1,332.11	32.68	41.762 ES		
3,400.00	3,206.35	3,077.07	3,072.15	20.27	13.70	-84.05	-276.47	1,742.06	1,366.50	1,332.76	33.75	40.495		
3,500.00	3,297.98	3,168.42	3,163.28	20.97	14.09	-85.47	-276.27	1,748.54	1,369.54	1,334.71	34.83	39.323		
3,600.00	3,389.62	3,266.26	3,260.86	21.66	14.50	-86.97	-276.56	1,755.59	1,373.46	1,337.52	35.94	38.214		
3,700.00	3,481.26	3,366.59	3,360.95	22.36	14.93	-88.49	-277.27	1,762.49	1,377.88	1,340.82	37.06	37.177		
3,800.00	3,572.89	3,462.35	3,456.50	23.05	15.33	-89.94	-278.07	1,768.69	1,382.88	1,344.72	38.16	36.241		
3,900.00	3,664.53	3,553.53	3,547.46	23.75	15.72	-91.28	-279.40	1,774.93	1,388.80	1,349.57	39.23	35.405		
4,000.00	3,756.17	3,644.48	3,638.12	24.45	16.11	-92.57	-281.53	1,781.94	1,395.82	1,355.52	40.29	34.642		
4,100.00	3,847.80	3,745.14	3,738.34	25.14	16.55	-93.91	-285.18	1,790.60	1,403.65	1,362.24	41.41	33.894		
4,200.00	3,939.44	3,845.78	3,838.48	25.84	16.99	-95.20	-280.22	1,799.25	1,411.42	1,368.89	42.53	33.184		
4,300.00	4,031.08	3,937.02	3,929.26	26.54	17.39	-96.36	-294.64	1,807.18	1,420.05	1,376.45	43.60	32.572		
4,400.00	4,122.72	4,030.69	4,022.50	27.24	17.80	-97.56	-298.79	1,815.07	1,429.43	1,384.76	44.67	32.002		
4,500.00	4,214.35	4,124.26	4,115.69	27.94	18.21	-98.76	-302.41	1,822.72	1,439.66	1,393.93	45.73	31.485		
4,600.00	4,305.99	4,221.51	4,212.58	28.64	18.63	-100.00	-306.16	1,830.28	1,450.31	1,403.51	46.80	30.992		
4,700.00	4,397.63	4,304.05	4,294.82	29.35	18.99	-101.05	-308.84	1,836.76	1,462.09	1,414.32	47.77	30.605		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,800.00	4,489.26	4,413.88	4,404.31	30.05	19.46	-102.46	-312.08	1,844.78	1,474.41	1,425.51	48.90	30.152		
4,900.00	4,580.90	4,517.00	4,507.22	30.75	19.89	-103.80	-314.81	1,850.76	1,486.64	1,436.68	49.97	29.752		
5,000.00	4,672.54	4,617.33	4,607.43	31.45	20.31	-105.14	-316.84	1,855.07	1,499.08	1,448.08	51.01	29.390		
5,100.00	4,764.17	4,713.62	4,703.65	32.16	20.71	-106.44	-318.45	1,858.38	1,512.02	1,460.01	52.01	29.073		
5,200.00	4,855.81	4,810.81	4,800.80	32.86	21.11	-107.76	-319.68	1,860.85	1,525.52	1,472.52	53.00	28.782		
5,300.00	4,947.45	4,903.50	4,893.48	33.56	21.50	-109.03	-320.46	1,862.54	1,539.71	1,485.75	53.96	28.534		
5,400.00	5,039.08	4,994.39	4,984.35	34.27	21.87	-110.26	-320.96	1,863.87	1,554.75	1,499.85	54.90	28.321		
5,500.00	5,130.72	5,089.26	5,079.22	34.97	22.26	-111.54	-321.28	1,864.93	1,570.57	1,514.72	55.85	28.123		
5,600.00	5,222.36	5,188.47	5,178.42	35.68	22.67	-112.86	-321.86	1,865.87	1,586.93	1,530.11	56.81	27.932		
5,700.00	5,314.00	5,300.99	5,290.91	36.38	23.14	-114.29	-323.87	1,867.22	1,603.29	1,545.44	57.85	27.714		
5,800.00	5,405.63	5,388.89	5,378.78	37.08	23.50	-115.37	-325.99	1,868.29	1,619.89	1,561.15	58.74	27.576		
5,900.00	5,497.27	5,471.18	5,461.05	37.79	23.84	-116.37	-327.56	1,869.30	1,637.60	1,578.00	59.59	27.480		
6,000.00	5,588.91	5,558.36	5,548.21	38.50	24.21	-117.42	-328.67	1,870.42	1,656.50	1,596.04	60.46	27.398		
6,100.00	5,680.54	5,644.84	5,634.68	39.20	24.57	-118.45	-329.52	1,871.43	1,676.27	1,614.95	61.31	27.339		
6,200.00	5,772.18	5,730.53	5,720.36	39.91	24.92	-119.45	-330.11	1,872.82	1,697.11	1,634.96	62.16	27.304		
6,300.00	5,863.82	5,822.62	5,812.44	40.61	25.31	-120.49	-330.64	1,874.47	1,718.75	1,655.71	63.04	27.266		
6,400.00	5,955.45	5,918.98	5,908.79	41.32	25.71	-121.56	-331.23	1,875.87	1,740.82	1,676.88	63.94	27.226		
6,500.00	6,047.09	6,010.69	6,000.48	42.02	26.09	-122.58	-331.60	1,876.57	1,763.37	1,698.57	64.80	27.212		
6,600.00	6,138.73	6,096.33	6,086.12	42.73	26.45	-123.52	-331.71	1,877.13	1,786.70	1,721.09	65.61	27.230		
6,700.00	6,230.37	6,197.38	6,187.17	43.44	26.87	-124.60	-331.84	1,877.61	1,810.54	1,744.00	66.53	27.212		
6,712.03	6,241.39	6,209.61	6,199.40	43.52	26.92	-124.73	-331.88	1,877.62	1,813.41	1,746.76	66.65	27.210 SF		
6,750.00	6,276.38	6,246.91	6,236.70	43.78	27.07	-133.25	-331.97	1,877.53	1,822.97	1,755.99	66.98	27.217		
6,800.00	6,322.91	6,296.84	6,286.63	44.09	27.28	-145.83	-332.10	1,877.18	1,836.99	1,769.59	67.41	27.252		
6,850.00	6,369.70	6,346.42	6,336.21	44.36	27.49	-159.34	-332.23	1,876.64	1,852.50	1,784.69	67.82	27.317		
6,900.00	6,416.45	6,396.00	6,385.78	44.59	27.70	-172.74	-332.42	1,876.02	1,869.37	1,801.16	68.21	27.405		
6,950.00	6,462.87	6,446.81	6,436.59	44.79	27.91	174.93	-332.67	1,875.28	1,887.44	1,818.82	68.62	27.508		
7,000.00	6,508.69	6,497.25	6,487.02	44.95	28.12	164.21	-333.00	1,874.43	1,906.58	1,837.56	69.02	27.623		
7,050.00	6,553.61	6,542.45	6,532.21	45.09	28.31	155.12	-333.32	1,873.61	1,926.74	1,857.34	69.40	27.762		
7,100.00	6,597.37	6,586.29	6,576.05	45.20	28.49	147.47	-333.63	1,872.80	1,947.90	1,878.11	69.79	27.909		
7,150.00	6,639.68	6,631.92	6,621.66	45.30	28.68	141.03	-333.94	1,871.92	1,969.96	1,899.73	70.22	28.052		
7,200.00	6,680.29	6,677.42	6,667.16	45.39	28.87	135.53	-334.30	1,870.89	1,992.77	1,922.09	70.68	28.193		
7,250.00	6,718.96	6,721.95	6,711.66	45.48	29.06	130.76	-334.68	1,869.72	2,016.28	1,945.12	71.16	28.333		
7,300.00	6,755.43	6,765.30	6,754.99	45.57	29.24	126.55	-335.11	1,868.39	2,040.42	1,968.75	71.67	28.470		
7,350.00	6,789.49	6,806.31	6,795.97	45.67	29.42	122.76	-335.56	1,866.95	2,065.15	1,992.96	72.19	28.606		
7,400.00	6,820.93	6,836.06	6,825.70	45.77	29.54	119.08	-335.88	1,865.87	2,090.50	2,017.82	72.68	28.764		
7,450.00	6,849.55	6,864.40	6,854.02	45.89	29.66	115.64	-336.16	1,864.85	2,116.46	2,043.28	73.19	28.918		
7,500.00	6,875.17	6,889.97	6,879.57	46.02	29.77	112.35	-336.39	1,863.93	2,142.97	2,069.25	73.71	29.072		
7,550.00	6,897.64	6,915.35	6,904.93	46.17	29.87	109.24	-336.60	1,863.01	2,169.94	2,095.66	74.27	29.217		
7,600.00	6,916.82	6,939.38	6,928.95	46.35	29.98	106.25	-336.81	1,862.09	2,197.25	2,122.40	74.85	29.357		
7,650.00	6,932.60	6,959.77	6,949.32	46.55	30.06	103.32	-337.00	1,861.27	2,224.83	2,149.41	75.42	29.497		
7,700.00	6,944.86	6,976.33	6,965.87	46.78	30.13	100.42	-337.16	1,860.58	2,252.60	2,176.60	76.00	29.640		
7,750.00	6,953.55	6,988.92	6,978.45	47.04	30.19	97.55	-337.29	1,860.04	2,280.45	2,203.88	76.56	29.785		
7,800.00	6,958.59	6,997.39	6,986.91	47.33	30.22	94.72	-337.37	1,859.67	2,308.26	2,231.15	77.11	29.934		
7,842.10	6,960.00	7,001.25	6,990.76	47.60	30.24	92.39	-337.41	1,859.50	2,331.56	2,254.00	77.56	30.062		
7,900.00	6,960.15	7,004.48	6,993.99	48.01	30.25	92.48	-337.44	1,859.35	2,363.99	2,285.83	78.16	30.245		
8,000.00	6,960.40	7,010.16	6,999.67	48.86	30.27	92.65	-337.50	1,859.09	2,422.21	2,343.01	79.20	30.584		
8,100.00	6,960.65	7,015.96	7,005.46	49.87	30.30	92.82	-337.56	1,858.83	2,483.09	2,402.87	80.22	30.953		
8,200.00	6,960.91	7,017.90	7,007.39	51.06	30.31	92.88	-337.57	1,858.74	2,546.45	2,465.25	81.20	31.360		
8,300.00	6,961.16	7,022.75	7,012.24	52.41	30.33	93.02	-337.62	1,858.52	2,612.08	2,529.92	82.16	31.792		
8,400.00	6,961.41	7,027.67	7,017.16	53.93	30.35	93.16	-337.66	1,858.29	2,679.83	2,596.74	83.09	32.253		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - OTTOSON I #12-25(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,500.00	6,961.66	7,032.66	7,022.13	55.59	30.37	93.31	-337.70	1,858.06	2,749.54	2,665.56	83.98	32.741		
8,600.00	6,961.91	7,037.71	7,027.18	57.37	30.39	93.46	-337.74	1,857.82	2,821.06	2,736.23	84.83	33.256		
8,700.00	6,962.16	7,042.83	7,032.29	59.27	30.41	93.61	-337.78	1,857.58	2,894.26	2,808.62	85.64	33.796		
8,800.00	6,962.42	7,048.02	7,037.48	61.26	30.44	93.76	-337.82	1,857.33	2,969.02	2,882.61	86.41	34.359		
8,900.00	6,962.67	7,053.28	7,042.73	63.34	30.46	93.92	-337.86	1,857.08	3,045.21	2,958.07	87.14	34.944		
9,000.00	6,962.92	7,058.61	7,048.06	65.49	30.48	94.07	-337.90	1,856.83	3,122.75	3,034.90	87.84	35.550		
9,100.00	6,963.17	7,064.02	7,053.46	67.70	30.50	94.23	-337.94	1,856.56	3,201.51	3,113.01	88.50	36.174		
9,200.00	6,963.42	7,069.50	7,058.93	69.97	30.53	94.39	-337.97	1,856.29	3,281.43	3,192.30	89.13	36.816		
9,300.00	6,963.68	7,075.06	7,064.49	72.28	30.55	94.55	-338.01	1,856.02	3,362.42	3,272.69	89.73	37.475		
9,400.00	6,963.93	7,080.70	7,070.12	74.64	30.57	94.72	-338.04	1,855.74	3,444.39	3,354.10	90.29	38.148		
9,500.00	6,964.18	7,086.42	7,075.83	77.04	30.60	94.89	-338.07	1,855.45	3,527.29	3,436.46	90.83	38.836		
9,600.00	6,964.43	7,092.22	7,081.63	79.48	30.62	95.06	-338.10	1,855.16	3,611.04	3,519.71	91.33	39.537		
9,700.00	6,964.68	7,098.11	7,087.50	81.94	30.65	95.23	-338.13	1,854.86	3,695.60	3,603.78	91.82	40.250		
9,800.00	6,964.94	7,104.08	7,093.47	84.43	30.67	95.40	-338.16	1,854.56	3,780.89	3,688.62	92.28	40.974		
9,900.00	6,965.19	7,110.14	7,099.52	86.95	30.70	95.58	-338.18	1,854.24	3,866.89	3,774.18	92.71	41.708		
10,000.00	6,965.44	7,116.29	7,105.66	89.49	30.72	95.76	-338.21	1,853.92	3,953.54	3,860.41	93.13	42.452		
10,100.00	6,965.69	7,119.67	7,109.04	92.05	30.74	95.86	-338.23	1,853.76	4,040.80	3,947.28	93.52	43.210		
10,200.00	6,965.94	7,125.03	7,114.39	94.63	30.76	96.01	-338.25	1,853.49	4,128.63	4,034.74	93.89	43.973		
10,300.00	6,966.19	7,130.39	7,119.74	97.22	30.79	96.17	-338.28	1,853.21	4,216.99	4,122.74	94.25	44.743		
10,400.00	6,966.45	7,135.75	7,125.10	99.83	30.81	96.33	-338.30	1,852.94	4,305.86	4,211.27	94.59	45.521		
10,500.00	6,966.70	7,141.11	7,130.45	102.46	30.83	96.48	-338.33	1,852.66	4,395.20	4,300.28	94.92	46.306		
10,600.00	6,966.95	7,146.47	7,135.80	105.09	30.86	96.64	-338.35	1,852.39	4,484.98	4,389.75	95.23	47.097		
10,700.00	6,967.20	7,151.83	7,141.15	107.74	30.88	96.79	-338.38	1,852.12	4,575.18	4,479.65	95.53	47.894		
10,800.00	6,967.45	7,157.19	7,146.51	110.41	30.90	96.95	-338.40	1,851.84	4,665.77	4,569.96	95.81	48.697		
10,900.00	6,967.71	7,162.55	7,151.86	113.08	30.92	97.10	-338.43	1,851.57	4,756.74	4,660.65	96.09	49.505		
11,000.00	6,967.96	7,167.91	7,157.21	115.76	30.95	97.26	-338.45	1,851.30	4,848.05	4,751.70	96.35	50.317		
11,100.00	6,968.21	7,173.26	7,162.56	118.45	30.97	97.42	-338.48	1,851.02	4,939.70	4,843.09	96.60	51.134		
11,200.00	6,968.46	7,178.62	7,167.92	121.15	30.99	97.57	-338.50	1,850.75	5,031.65	4,934.81	96.85	51.954		
11,300.00	6,968.71	7,183.98	7,173.27	123.85	31.02	97.73	-338.53	1,850.47	5,123.91	5,026.82	97.08	52.779		
11,400.00	6,968.97	7,189.34	7,178.62	126.56	31.04	97.88	-338.55	1,850.20	5,216.44	5,119.13	97.31	53.607		
11,500.00	6,969.22	7,194.70	7,183.97	129.28	31.06	98.04	-338.58	1,849.93	5,309.24	5,211.71	97.53	54.439		
11,600.00	6,969.47	7,200.06	7,189.33	132.01	31.09	98.19	-338.60	1,849.65	5,402.29	5,304.55	97.74	55.273		
11,700.00	6,969.72	7,205.42	7,194.68	134.74	31.11	98.35	-338.63	1,849.38	5,495.58	5,397.63	97.94	56.111		
11,800.00	6,969.97	7,210.78	7,200.03	137.48	31.13	98.50	-338.65	1,849.10	5,589.09	5,490.95	98.14	56.951		
11,900.00	6,970.22	7,216.14	7,205.38	140.22	31.16	98.65	-338.67	1,848.83	5,682.82	5,584.49	98.33	57.793		
12,000.00	6,970.48	7,221.50	7,210.74	142.97	31.18	98.81	-338.70	1,848.56	5,776.76	5,678.25	98.52	58.638		
12,100.00	6,970.73	7,226.86	7,216.09	145.72	31.20	98.96	-338.72	1,848.28	5,870.89	5,772.20	98.70	59.485		
12,200.00	6,970.98	7,232.22	7,221.44	148.47	31.22	99.12	-338.75	1,848.01	5,965.21	5,866.34	98.87	60.334		
12,300.00	6,971.23	7,237.58	7,226.79	151.23	31.25	99.27	-338.77	1,847.73	6,059.71	5,960.67	99.04	61.184		
12,400.00	6,971.48	7,242.94	7,232.15	154.00	31.27	99.43	-338.80	1,847.46	6,154.37	6,055.17	99.21	62.037		
12,500.00	6,971.74	7,248.30	7,237.50	156.76	31.29	99.58	-338.82	1,847.19	6,249.20	6,149.83	99.37	62.890		
12,600.00	6,971.99	7,253.66	7,242.85	159.53	31.32	99.73	-338.85	1,846.91	6,344.18	6,244.66	99.52	63.746		
12,700.00	6,972.24	7,259.02	7,248.20	162.31	31.34	99.89	-338.87	1,846.64	6,439.31	6,339.63	99.68	64.602		
12,800.00	6,972.49	7,264.38	7,253.56	165.09	31.36	100.04	-338.90	1,846.37	6,534.58	6,434.75	99.83	65.460		
12,900.00	6,972.74	7,269.74	7,258.91	167.86	31.39	100.19	-338.92	1,846.09	6,629.98	6,530.01	99.97	66.318		
13,002.01	6,973.00	7,275.20	7,264.37	170.70	31.41	100.35	-338.95	1,845.81	6,727.44	6,627.32	100.12	67.195		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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	
0.00	0.00	0.00	0.00	3.28	3.28	-162.32	-3,232.10	-1,030.49	3,392.49					
100.00	100.00	75.00	75.00	3.28	3.53	-162.32	-3,232.10	-1,030.49	3,392.40	3,385.58	6.82	497.688		
200.00	200.00	175.00	175.00	3.34	5.46	-162.32	-3,232.10	-1,030.49	3,392.40	3,383.60	8.80	385.674		
300.00	300.00	275.00	275.00	3.44	8.51	-162.32	-3,232.10	-1,030.49	3,392.40	3,380.44	11.96	283.717		
400.00	399.98	374.98	374.98	3.60	11.81	48.32	-3,232.10	-1,030.49	3,391.24	3,375.83	15.41	220.126		
500.00	499.84	474.84	474.84	3.79	15.19	48.44	-3,232.10	-1,030.49	3,387.76	3,368.78	18.98	178.520		
600.00	599.45	574.45	574.45	4.02	18.60	48.64	-3,232.10	-1,030.49	3,381.98	3,359.36	22.62	149.508		
700.00	698.70	673.70	673.70	4.29	22.02	48.92	-3,232.10	-1,030.49	3,373.91	3,347.60	26.31	128.237		
800.00	797.47	772.47	772.47	4.60	25.43	49.27	-3,232.10	-1,030.49	3,363.60	3,333.57	30.03	112.016		
900.00	895.62	870.62	870.62	4.94	28.84	49.71	-3,232.10	-1,030.49	3,351.07	3,317.31	33.76	99.254		
1,000.00	993.06	968.06	968.06	5.31	32.22	50.23	-3,232.10	-1,030.49	3,336.38	3,298.87	37.51	88.955		
1,100.00	1,089.64	1,064.64	1,064.64	5.72	35.57	50.83	-3,232.10	-1,030.49	3,319.59	3,278.33	41.25	80.471		
1,200.00	1,185.27	1,160.27	1,160.27	6.17	38.90	51.51	-3,232.10	-1,030.49	3,300.76	3,255.76	44.99	73.358		
1,300.00	1,279.82	1,254.82	1,254.82	6.65	42.19	52.27	-3,232.10	-1,030.49	3,279.97	3,231.24	48.73	67.308		
1,400.00	1,373.17	1,348.17	1,348.17	7.17	45.44	53.12	-3,232.10	-1,030.49	3,257.31	3,204.86	52.46	62.096		
1,479.95	1,446.87	1,421.87	1,421.87	7.61	48.00	53.86	-3,232.10	-1,030.49	3,237.91	3,182.49	55.43	58.419		
1,500.00	1,465.24	1,440.24	1,440.24	7.72	48.64	53.97	-3,232.10	-1,030.49	3,232.92	3,176.75	56.17	57.556		
1,600.00	1,556.88	1,531.88	1,531.88	8.31	51.84	54.52	-3,232.10	-1,030.49	3,208.18	3,148.29	59.89	53.568		
1,700.00	1,648.52	1,623.52	1,623.52	8.92	55.03	55.07	-3,232.10	-1,030.49	3,183.76	3,120.13	63.63	50.037		
1,800.00	1,740.15	1,715.15	1,715.15	9.54	58.22	55.63	-3,232.10	-1,030.49	3,159.66	3,092.27	67.38	46.890		
1,900.00	1,831.79	1,806.79	1,806.79	10.17	61.42	56.20	-3,232.10	-1,030.49	3,135.88	3,064.72	71.15	44.071		
2,000.00	1,923.43	1,901.57	1,898.43	10.81	64.72	56.78	-3,232.10	-1,030.49	3,112.43	3,037.38	75.05	41.472		
2,100.00	2,015.06	2,009.94	1,990.06	11.46	68.50	57.36	-3,232.10	-1,030.49	3,089.33	3,009.90	79.43	38.895		
2,200.00	2,106.70	2,081.70	2,081.70	12.11	71.00	57.96	-3,232.10	-1,030.49	3,066.57	2,984.03	82.54	37.152		
2,300.00	2,198.34	2,173.34	2,173.34	12.78	74.20	58.56	-3,232.10	-1,030.49	3,044.17	2,957.81	86.36	35.251		
2,400.00	2,289.98	2,264.98	2,264.98	13.44	77.39	59.17	-3,232.10	-1,030.49	3,022.13	2,931.95	90.18	33.512		
2,500.00	2,381.61	2,356.61	2,356.61	14.11	80.59	59.78	-3,232.10	-1,030.49	3,000.47	2,906.46	94.01	31.915		
2,600.00	2,473.25	2,448.25	2,448.25	14.79	83.79	60.41	-3,232.10	-1,030.49	2,979.19	2,881.33	97.86	30.445		
2,700.00	2,564.89	2,539.89	2,539.89	15.47	86.98	61.04	-3,232.10	-1,030.49	2,958.29	2,856.59	101.70	29.087		
2,800.00	2,656.52	2,631.52	2,631.52	16.15	90.18	61.68	-3,232.10	-1,030.49	2,937.80	2,832.24	105.56	27.831		
2,900.00	2,748.16	2,723.16	2,723.16	16.83	93.38	62.32	-3,232.10	-1,030.49	2,917.70	2,808.28	109.42	26.665		
3,000.00	2,839.80	2,814.80	2,814.80	17.52	96.57	62.98	-3,232.10	-1,030.49	2,898.03	2,784.74	113.29	25.581		
3,100.00	2,931.43	2,906.43	2,906.43	18.20	99.77	63.64	-3,232.10	-1,030.49	2,878.77	2,761.61	117.16	24.571		
3,200.00	3,023.07	3,001.93	2,998.07	18.89	103.10	64.31	-3,232.10	-1,030.49	2,859.95	2,738.77	121.17	23.602		
3,300.00	3,114.71	3,089.71	3,089.71	19.58	106.17	64.99	-3,232.10	-1,030.49	2,841.56	2,716.64	124.92	22.746		
3,400.00	3,206.35	3,181.35	3,181.35	20.27	109.36	65.67	-3,232.10	-1,030.49	2,823.62	2,694.81	128.81	21.920		
3,500.00	3,297.98	3,272.98	3,272.98	20.97	112.56	66.37	-3,232.10	-1,030.49	2,806.14	2,673.43	132.71	21.145		
3,600.00	3,389.62	3,364.62	3,364.62	21.66	115.76	67.07	-3,232.10	-1,030.49	2,789.12	2,652.52	136.61	20.417		
3,700.00	3,481.26	3,456.26	3,456.26	22.36	118.96	67.78	-3,232.10	-1,030.49	2,772.58	2,632.07	140.51	19.732		
3,800.00	3,572.89	3,547.89	3,547.89	23.05	122.16	68.49	-3,232.10	-1,030.49	2,756.52	2,612.10	144.42	19.087		
3,900.00	3,664.53	3,639.53	3,639.53	23.75	125.35	69.21	-3,232.10	-1,030.49	2,740.95	2,592.62	148.33	18.479		
4,000.00	3,756.17	3,731.17	3,731.17	24.45	128.55	69.94	-3,232.10	-1,030.49	2,725.88	2,573.64	152.24	17.905		
4,100.00	3,847.80	3,822.80	3,822.80	25.14	131.75	70.68	-3,232.10	-1,030.49	2,711.32	2,555.16	156.16	17.362		
4,200.00	3,939.44	3,914.44	3,914.44	25.84	134.95	71.42	-3,232.10	-1,030.49	2,697.27	2,537.19	160.08	16.849		
4,300.00	4,031.08	4,006.08	4,006.08	26.54	138.15	72.17	-3,232.10	-1,030.49	2,683.74	2,519.74	164.01	16.364		
4,400.00	4,122.72	4,102.29	4,097.72	27.24	141.50	72.92	-3,232.10	-1,030.49	2,670.75	2,502.66	168.09	15.888		
4,500.00	4,214.35	4,189.35	4,189.35	27.94	144.54	73.69	-3,232.10	-1,030.49	2,658.30	2,486.43	171.86	15.467		
4,600.00	4,305.99	4,280.99	4,280.99	28.64	147.74	74.45	-3,232.10	-1,030.49	2,646.39	2,470.60	175.80	15.054		
4,700.00	4,397.63	4,372.63	4,372.63	29.35	150.94	75.23	-3,232.10	-1,030.49	2,635.04	2,455.31	179.73	14.661		
4,800.00	4,489.26	4,464.26	4,464.26	30.05	154.14	76.00	-3,232.10	-1,030.49	2,624.25	2,440.59	183.67	14.288		
4,900.00	4,580.90	4,555.90	4,555.90	30.75	157.34	76.79	-3,232.10	-1,030.49	2,614.03	2,426.43	187.60	13.934		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,647.54	4,647.54	31.45	160.53	77.58	-3,232.10	-1,030.49	2,604.38	2,412.84	191.54	13.597		
5,100.00	4,764.17	4,739.17	4,739.17	32.16	163.73	78.37	-3,232.10	-1,030.49	2,595.32	2,399.84	195.48	13.277		
5,200.00	4,855.81	4,830.81	4,830.81	32.86	166.93	79.17	-3,232.10	-1,030.49	2,586.84	2,387.42	199.42	12.972		
5,300.00	4,947.45	4,922.45	4,922.45	33.56	170.13	79.97	-3,232.10	-1,030.49	2,578.96	2,375.60	203.36	12.682		
5,400.00	5,039.08	5,014.08	5,014.08	34.27	173.33	80.78	-3,232.10	-1,030.49	2,571.68	2,364.38	207.30	12.406		
5,500.00	5,130.72	5,105.72	5,105.72	34.97	176.53	81.59	-3,232.10	-1,030.49	2,565.00	2,353.76	211.24	12.143		
5,600.00	5,222.36	5,202.64	5,197.36	35.68	179.91	82.41	-3,232.10	-1,030.49	2,558.93	2,343.57	215.36	11.882		
5,700.00	5,314.00	5,289.00	5,289.00	36.38	182.92	83.22	-3,232.10	-1,030.49	2,553.47	2,334.36	219.11	11.654		
5,800.00	5,405.63	5,380.63	5,380.63	37.08	186.12	84.04	-3,232.10	-1,030.49	2,548.63	2,325.58	223.05	11.426		
5,900.00	5,497.27	5,472.27	5,472.27	37.79	189.32	84.86	-3,232.10	-1,030.49	2,544.41	2,317.43	226.98	11.210		
6,000.00	5,588.91	5,563.91	5,563.91	38.50	192.52	85.69	-3,232.10	-1,030.49	2,540.82	2,309.90	230.91	11.003		
6,100.00	5,680.54	5,655.54	5,655.54	39.20	195.72	86.51	-3,232.10	-1,030.49	2,537.85	2,303.01	234.84	10.807		
6,200.00	5,772.18	5,747.18	5,747.18	39.91	198.92	87.34	-3,232.10	-1,030.49	2,535.51	2,296.74	238.77	10.619		
6,300.00	5,863.82	5,838.82	5,838.82	40.61	202.11	88.17	-3,232.10	-1,030.49	2,533.80	2,291.11	242.69	10.440		
6,400.00	5,955.45	5,930.45	5,930.45	41.32	205.31	89.00	-3,232.10	-1,030.49	2,532.72	2,286.11	246.61	10.270		
6,500.00	6,047.09	6,022.09	6,022.09	42.02	208.51	89.83	-3,232.10	-1,030.49	2,532.27	2,281.75	250.53	10.108		
6,520.40	6,065.78	6,040.78	6,040.78	42.17	209.16	90.00	-3,232.10	-1,030.49	2,532.26	2,280.94	251.32	10.076		
6,600.00	6,138.73	6,113.73	6,113.73	42.73	211.71	90.66	-3,232.10	-1,030.49	2,532.46	2,278.02	254.44	9.953		
6,700.00	6,230.37	6,205.37	6,205.37	43.44	214.91	91.49	-3,232.10	-1,030.49	2,533.28	2,274.94	258.35	9.806		
6,712.03	6,241.39	6,216.39	6,216.39	43.52	215.29	91.59	-3,232.10	-1,030.49	2,533.42	2,274.61	258.82	9.789		
6,750.00	6,276.38	6,251.38	6,251.38	43.78	216.52	84.53	-3,232.10	-1,030.49	2,532.92	2,272.62	260.29	9.731		
6,800.00	6,322.91	6,302.09	6,297.91	44.09	218.29	73.77	-3,232.10	-1,030.49	2,529.30	2,266.92	262.37	9.640		
6,850.00	6,369.70	6,344.70	6,344.70	44.36	219.77	61.96	-3,232.10	-1,030.49	2,522.30	2,258.17	264.13	9.549		
6,900.00	6,416.45	6,408.55	6,391.45	44.59	222.00	50.10	-3,232.10	-1,030.49	2,511.94	2,245.35	266.59	9.422		
6,950.00	6,462.87	6,437.87	6,437.87	44.79	223.03	39.16	-3,232.10	-1,030.49	2,498.24	2,230.43	267.81	9.328		
7,000.00	6,508.69	6,483.69	6,483.69	44.95	224.62	29.61	-3,232.10	-1,030.49	2,481.27	2,211.70	269.57	9.205		
7,050.00	6,553.61	6,528.61	6,528.61	45.09	226.19	21.51	-3,232.10	-1,030.49	2,461.11	2,189.84	271.27	9.072		
7,100.00	6,597.37	6,572.37	6,572.37	45.20	227.72	14.63	-3,232.10	-1,030.49	2,437.85	2,164.94	272.91	8.933		
7,150.00	6,639.68	6,614.68	6,614.68	45.30	229.20	8.65	-3,232.10	-1,030.49	2,411.62	2,137.14	274.48	8.786		
7,200.00	6,680.29	6,655.29	6,655.29	45.39	230.61	3.27	-3,232.10	-1,030.49	2,382.58	2,106.60	275.99	8.633		
7,250.00	6,718.96	6,706.04	6,693.96	45.48	232.39	-1.77	-3,232.10	-1,030.49	2,350.90	2,073.06	277.84	8.461		
7,300.00	6,755.43	6,730.43	6,730.43	45.57	233.24	-6.73	-3,232.10	-1,030.49	2,316.77	2,038.00	278.77	8.311		
7,350.00	6,789.49	6,764.49	6,764.49	45.67	234.43	-11.83	-3,232.10	-1,030.49	2,280.41	2,000.37	280.04	8.143		
7,400.00	6,820.93	6,804.07	6,795.93	45.77	235.81	-17.28	-3,232.10	-1,030.49	2,242.05	1,960.54	281.51	7.964		
7,450.00	6,849.55	6,824.55	6,824.55	45.89	236.52	-23.30	-3,232.10	-1,030.49	2,201.94	1,919.63	282.31	7.800		
7,500.00	6,875.17	6,850.17	6,850.17	46.02	237.42	-30.09	-3,232.10	-1,030.49	2,160.37	1,877.06	283.31	7.625		
7,550.00	6,897.64	6,872.64	6,872.64	46.17	238.20	-37.78	-3,232.10	-1,030.49	2,117.62	1,833.40	284.22	7.451		
7,600.00	6,916.82	6,908.18	6,891.82	46.35	239.44	-46.40	-3,232.10	-1,030.49	2,073.99	1,788.39	285.59	7.262		
7,650.00	6,932.60	6,907.60	6,907.60	46.55	239.42	-55.77	-3,232.10	-1,030.49	2,029.80	1,744.07	285.73	7.104		
7,700.00	6,944.86	6,919.86	6,919.86	46.78	239.85	-65.44	-3,232.10	-1,030.49	1,985.37	1,699.04	286.33	6.934		
7,750.00	6,953.55	6,928.55	6,928.55	47.04	240.15	-74.84	-3,232.10	-1,030.49	1,941.04	1,654.21	286.83	6.767		
7,800.00	6,958.59	6,933.59	6,933.59	47.33	240.33	-83.43	-3,232.10	-1,030.49	1,897.15	1,609.91	287.24	6.605		
7,842.10	6,960.00	6,935.00	6,935.00	47.60	240.38	-89.76	-3,232.10	-1,030.49	1,860.79	1,573.29	287.50	6.472		
7,900.00	6,960.15	6,935.15	6,935.15	48.01	240.38	-89.77	-3,232.10	-1,030.49	1,811.50	1,523.67	287.83	6.294		
8,000.00	6,960.40	6,935.40	6,935.40	48.86	240.39	-89.79	-3,232.10	-1,030.49	1,727.62	1,439.14	288.48	5.989		
8,100.00	6,960.65	6,935.65	6,935.65	49.87	240.40	-89.80	-3,232.10	-1,030.49	1,645.56	1,356.28	289.27	5.689		
8,200.00	6,960.91	6,935.91	6,935.91	51.06	240.41	-89.82	-3,232.10	-1,030.49	1,565.57	1,275.36	290.21	5.395		
8,300.00	6,961.16	6,936.16	6,936.16	52.41	240.42	-89.83	-3,232.10	-1,030.49	1,488.01	1,196.68	291.33	5.108		
8,400.00	6,961.41	6,936.41	6,936.41	53.93	240.43	-89.85	-3,232.10	-1,030.49	1,413.28	1,120.63	292.65	4.829		
8,500.00	6,961.66	6,936.66	6,936.66	55.59	240.44	-89.86	-3,232.10	-1,030.49	1,341.83	1,047.65	294.18	4.561		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - POP I #14-17 - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,936.91	6,936.91	57.37	240.44	-89.88	-3,232.10	-1,030.49	1,274.24	978.29	295.95	4.306		
8,700.00	6,962.16	6,937.16	6,937.16	59.27	240.45	-89.89	-3,232.10	-1,030.49	1,211.14	913.18	297.96	4.065		
8,800.00	6,962.42	6,937.42	6,937.42	61.26	240.46	-89.90	-3,232.10	-1,030.49	1,153.26	853.06	300.20	3.842		
8,900.00	6,962.67	6,937.67	6,937.67	63.34	240.47	-89.92	-3,232.10	-1,030.49	1,101.44	798.80	302.65	3.639		
9,000.00	6,962.92	6,937.92	6,937.92	65.49	240.48	-89.93	-3,232.10	-1,030.49	1,056.57	751.34	305.23	3.462		
9,100.00	6,963.17	6,938.17	6,938.17	67.70	240.49	-89.95	-3,232.10	-1,030.49	1,019.56	711.70	307.86	3.312		
9,200.00	6,963.42	6,938.42	6,938.42	69.97	240.50	-89.96	-3,232.10	-1,030.49	991.30	680.88	310.42	3.193		
9,300.00	6,963.68	6,938.68	6,938.68	72.28	240.51	-89.98	-3,232.10	-1,030.49	972.54	659.79	312.75	3.110		
9,400.00	6,963.93	6,938.93	6,938.93	74.64	240.52	-89.99	-3,232.10	-1,030.49	963.85	649.12	314.73	3.062		
9,434.18	6,964.01	6,939.01	6,939.01	75.46	240.52	-90.00	-3,232.10	-1,030.49	963.24	647.94	315.30	3.055 CC, ES		
9,500.00	6,964.18	6,939.18	6,939.18	77.04	240.52	-90.01	-3,232.10	-1,030.49	965.49	649.25	316.24	3.053 SF		
9,600.00	6,964.43	6,939.43	6,939.43	79.48	240.53	-90.02	-3,232.10	-1,030.49	977.41	660.19	317.22	3.081		
9,700.00	6,964.68	6,939.68	6,939.68	81.94	240.54	-90.04	-3,232.10	-1,030.49	999.25	681.57	317.68	3.145		
9,800.00	6,964.94	6,939.94	6,939.94	84.43	240.55	-90.05	-3,232.10	-1,030.49	1,030.37	712.71	317.65	3.244		
9,900.00	6,965.19	6,940.19	6,940.19	86.95	240.56	-90.07	-3,232.10	-1,030.49	1,069.97	752.74	317.23	3.373		
10,000.00	6,965.44	6,940.44	6,940.44	89.49	240.57	-90.08	-3,232.10	-1,030.49	1,117.13	800.64	316.50	3.530		
10,100.00	6,965.69	6,940.69	6,940.69	92.05	240.58	-90.10	-3,232.10	-1,030.49	1,170.96	855.40	315.56	3.711		
10,200.00	6,965.94	6,940.94	6,940.94	94.63	240.59	-90.11	-3,232.10	-1,030.49	1,230.58	916.09	314.49	3.913		
10,300.00	6,966.19	6,941.19	6,941.19	97.22	240.59	-90.13	-3,232.10	-1,030.49	1,295.18	981.82	313.35	4.133		
10,400.00	6,966.45	6,941.45	6,941.45	99.83	240.60	-90.14	-3,232.10	-1,030.49	1,364.05	1,051.85	312.20	4.369		
10,500.00	6,966.70	6,941.70	6,941.70	102.46	240.61	-90.16	-3,232.10	-1,030.49	1,436.60	1,125.53	311.07	4.618		
10,600.00	6,966.95	6,941.95	6,941.95	105.09	240.62	-90.17	-3,232.10	-1,030.49	1,512.27	1,202.30	309.98	4.879		
10,700.00	6,967.20	6,942.20	6,942.20	107.74	240.63	-90.19	-3,232.10	-1,030.49	1,590.64	1,281.70	308.93	5.149		
10,800.00	6,967.45	6,942.45	6,942.45	110.41	240.64	-90.20	-3,232.10	-1,030.49	1,671.32	1,363.36	307.95	5.427		
10,900.00	6,967.71	6,942.71	6,942.71	113.08	240.65	-90.22	-3,232.10	-1,030.49	1,753.98	1,446.95	307.04	5.713		
11,000.00	6,967.96	6,942.96	6,942.96	115.76	240.66	-90.23	-3,232.10	-1,030.49	1,838.37	1,532.19	306.18	6.004		
11,100.00	6,968.21	6,943.21	6,943.21	118.45	240.66	-90.25	-3,232.10	-1,030.49	1,924.26	1,618.87	305.39	6.301		
11,200.00	6,968.46	6,943.46	6,943.46	121.15	240.67	-90.26	-3,232.10	-1,030.49	2,011.45	1,706.80	304.65	6.602		
11,300.00	6,968.71	6,943.71	6,943.71	123.85	240.68	-90.28	-3,232.10	-1,030.49	2,099.79	1,795.82	303.97	6.908		
11,400.00	6,968.97	6,943.97	6,943.97	126.56	240.69	-90.29	-3,232.10	-1,030.49	2,189.13	1,885.78	303.34	7.217		
11,500.00	6,969.22	6,944.22	6,944.22	129.28	240.70	-90.31	-3,232.10	-1,030.49	2,279.35	1,976.59	302.76	7.528		
11,600.00	6,969.47	6,944.47	6,944.47	132.01	240.71	-90.32	-3,232.10	-1,030.49	2,370.36	2,068.13	302.23	7.843		
11,700.00	6,969.72	6,944.72	6,944.72	134.74	240.72	-90.34	-3,232.10	-1,030.49	2,462.06	2,160.33	301.73	8.160		
11,800.00	6,969.97	6,944.97	6,944.97	137.48	240.73	-90.35	-3,232.10	-1,030.49	2,554.39	2,253.12	301.27	8.479		
11,900.00	6,970.22	6,945.22	6,945.22	140.22	240.74	-90.37	-3,232.10	-1,030.49	2,647.28	2,346.43	300.84	8.800		
12,000.00	6,970.48	6,945.48	6,945.48	142.97	240.74	-90.38	-3,232.10	-1,030.49	2,740.66	2,440.21	300.45	9.122		
12,100.00	6,970.73	6,945.73	6,945.73	145.72	240.75	-90.40	-3,232.10	-1,030.49	2,834.50	2,534.42	300.08	9.446		
12,200.00	6,970.98	6,945.98	6,945.98	148.47	240.76	-90.41	-3,232.10	-1,030.49	2,928.75	2,629.00	299.75	9.771		
12,300.00	6,971.23	6,946.23	6,946.23	151.23	240.77	-90.43	-3,232.10	-1,030.49	3,023.36	2,723.93	299.43	10.097		
12,400.00	6,971.48	6,946.48	6,946.48	154.00	240.78	-90.44	-3,232.10	-1,030.49	3,118.31	2,819.18	299.14	10.424		
12,500.00	6,971.74	6,946.74	6,946.74	156.76	240.79	-90.46	-3,232.10	-1,030.49	3,213.57	2,914.70	298.87	10.753		
12,600.00	6,971.99	6,946.99	6,946.99	159.53	240.80	-90.47	-3,232.10	-1,030.49	3,309.11	3,010.49	298.61	11.082		
12,700.00	6,972.24	6,947.24	6,947.24	162.31	240.81	-90.49	-3,232.10	-1,030.49	3,404.90	3,106.52	298.38	11.411		
12,800.00	6,972.49	6,947.49	6,947.49	165.09	240.81	-90.50	-3,232.10	-1,030.49	3,500.93	3,202.77	298.16	11.742		
12,900.00	6,972.74	6,947.74	6,947.74	167.86	240.82	-90.52	-3,232.10	-1,030.49	3,597.18	3,299.22	297.96	12.073		
13,002.01	6,973.00	6,948.00	6,948.00	170.70	240.83	-90.53	-3,232.10	-1,030.49	3,695.56	3,397.80	297.77	12.411		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	4.00	-4.00	3.28	3.28	-87.49	366.44	-8,359.54	8,367.57					
100.00	100.00	104.00	96.00	3.28	3.78	-87.49	366.44	-8,359.54	8,367.57	8,360.50	7.07	1,183.894		
200.00	200.00	204.00	196.00	3.34	6.30	-87.49	366.44	-8,359.54	8,367.57	8,357.93	9.63	868.477		
300.00	300.00	304.00	296.00	3.44	9.45	-87.49	366.44	-8,359.54	8,367.57	8,354.67	12.90	648.686		
400.00	399.98	404.02	395.98	3.60	12.79	123.10	366.44	-8,359.54	8,368.52	8,352.14	16.38	510.818		
500.00	499.84	504.16	495.84	3.79	16.19	123.09	366.44	-8,359.54	8,371.38	8,351.40	19.98	419.054		
600.00	599.45	604.55	595.45	4.02	19.64	123.06	366.44	-8,359.54	8,376.15	8,352.49	23.65	354.110		
700.00	698.70	705.30	694.70	4.29	23.11	123.01	366.44	-8,359.54	8,382.83	8,355.43	27.40	305.944		
800.00	797.47	806.53	793.47	4.60	26.61	122.96	366.44	-8,359.54	8,391.42	8,360.21	31.21	268.885		
900.00	895.62	908.38	891.62	4.94	30.14	122.89	366.44	-8,359.54	8,401.93	8,366.85	35.08	239.527		
1,000.00	993.06	989.06	989.06	5.31	32.95	122.80	366.44	-8,359.54	8,414.35	8,376.10	38.25	220.003		
1,100.00	1,089.64	1,085.64	1,085.64	5.72	36.30	122.70	366.44	-8,359.54	8,428.70	8,386.70	42.00	200.676		
1,200.00	1,185.27	1,181.27	1,181.27	6.17	39.63	122.59	366.44	-8,359.54	8,444.97	8,399.22	45.76	184.568		
1,300.00	1,279.82	1,275.82	1,275.82	6.65	42.92	122.46	366.44	-8,359.54	8,463.18	8,413.67	49.50	170.961		
1,400.00	1,373.17	1,369.17	1,369.17	7.17	46.17	122.30	366.44	-8,359.54	8,483.31	8,430.07	53.24	159.333		
1,479.95	1,446.87	1,442.87	1,442.87	7.61	48.74	122.17	366.44	-8,359.54	8,500.81	8,444.58	56.22	151.198		
1,500.00	1,465.24	1,461.24	1,461.24	7.72	49.38	122.21	366.44	-8,359.54	8,505.35	8,448.38	56.97	149.296		
1,600.00	1,556.88	1,552.88	1,552.88	8.31	52.57	122.42	366.44	-8,359.54	8,528.09	8,467.39	60.70	140.494		
1,700.00	1,648.52	1,644.52	1,644.52	8.92	55.76	122.64	366.44	-8,359.54	8,550.96	8,486.52	64.45	132.681		
1,800.00	1,740.15	1,736.15	1,736.15	9.54	58.96	122.85	366.44	-8,359.54	8,573.96	8,505.75	68.21	125.704		
1,900.00	1,831.79	1,827.79	1,827.79	10.17	62.15	123.06	366.44	-8,359.54	8,597.08	8,525.10	71.98	119.441		
2,000.00	1,923.43	1,919.43	1,919.43	10.81	65.34	123.27	366.44	-8,359.54	8,620.33	8,544.57	75.76	113.791		
2,100.00	2,015.06	2,011.06	2,011.06	11.46	68.54	123.48	366.44	-8,359.54	8,643.69	8,564.15	79.54	108.669		
2,200.00	2,106.70	2,102.70	2,102.70	12.11	71.73	123.69	366.44	-8,359.54	8,667.18	8,583.85	83.33	104.008		
2,300.00	2,198.34	2,205.66	2,194.34	12.78	75.33	123.90	366.44	-8,359.54	8,690.79	8,603.27	87.52	99.298		
2,400.00	2,289.98	2,285.98	2,285.98	13.44	78.13	124.10	366.44	-8,359.54	8,714.52	8,623.60	90.93	95.841		
2,500.00	2,381.61	2,377.61	2,377.61	14.11	81.32	124.31	366.44	-8,359.54	8,738.37	8,643.64	94.73	92.245		
2,600.00	2,473.25	2,469.25	2,469.25	14.79	84.52	124.51	366.44	-8,359.54	8,762.34	8,663.81	98.53	88.926		
2,700.00	2,564.89	2,560.89	2,560.89	15.47	87.72	124.71	366.44	-8,359.54	8,786.43	8,684.08	102.34	85.854		
2,800.00	2,656.52	2,652.52	2,652.52	16.15	90.91	124.92	366.44	-8,359.54	8,810.63	8,704.48	106.15	83.001		
2,900.00	2,748.16	2,744.16	2,744.16	16.83	94.11	125.12	366.44	-8,359.54	8,834.94	8,724.98	109.96	80.346		
3,000.00	2,839.80	2,835.80	2,835.80	17.52	97.31	125.32	366.44	-8,359.54	8,859.37	8,745.60	113.77	77.870		
3,100.00	2,931.43	2,927.43	2,927.43	18.20	100.50	125.52	366.44	-8,359.54	8,883.91	8,766.33	117.58	75.554		
3,200.00	3,023.07	3,019.07	3,019.07	18.89	103.70	125.71	366.44	-8,359.54	8,908.57	8,787.17	121.40	73.384		
3,300.00	3,114.71	3,110.71	3,110.71	19.58	106.90	125.91	366.44	-8,359.54	8,933.34	8,808.13	125.21	71.348		
3,400.00	3,206.35	3,202.35	3,202.35	20.27	110.10	126.11	366.44	-8,359.54	8,958.21	8,829.19	129.02	69.432		
3,500.00	3,297.98	3,306.02	3,293.98	20.97	113.72	126.30	366.44	-8,359.54	8,983.20	8,849.94	133.26	67.414		
3,600.00	3,389.62	3,385.62	3,385.62	21.66	116.49	126.50	366.44	-8,359.54	9,008.29	8,871.65	136.65	65.923		
3,700.00	3,481.26	3,477.26	3,477.26	22.36	119.69	126.69	366.44	-8,359.54	9,033.50	8,893.04	140.46	64.313		
3,800.00	3,572.89	3,568.89	3,568.89	23.05	122.89	126.88	366.44	-8,359.54	9,058.81	8,914.53	144.27	62.789		
3,900.00	3,664.53	3,660.53	3,660.53	23.75	126.09	127.07	366.44	-8,359.54	9,084.22	8,936.14	148.09	61.344		
4,000.00	3,756.17	3,752.17	3,752.17	24.45	129.28	127.26	366.44	-8,359.54	9,109.74	8,957.84	151.90	59.972		
4,100.00	3,847.80	3,843.80	3,843.80	25.14	132.48	127.45	366.44	-8,359.54	9,135.37	8,979.66	155.71	58.669		
4,200.00	3,939.44	3,935.44	3,935.44	25.84	135.68	127.64	366.44	-8,359.54	9,161.10	9,001.57	159.52	57.428		
4,300.00	4,031.08	4,027.08	4,027.08	26.54	138.88	127.83	366.44	-8,359.54	9,186.93	9,023.59	163.33	56.246		
4,400.00	4,122.72	4,118.72	4,118.72	27.24	142.08	128.02	366.44	-8,359.54	9,212.86	9,045.71	167.14	55.119		
4,500.00	4,214.35	4,210.35	4,210.35	27.94	145.28	128.20	366.44	-8,359.54	9,238.89	9,067.94	170.95	54.043		
4,600.00	4,305.99	4,301.99	4,301.99	28.64	148.47	128.39	366.44	-8,359.54	9,265.02	9,090.26	174.76	53.015		
4,700.00	4,397.63	4,406.37	4,393.63	29.35	152.12	128.57	366.44	-8,359.54	9,291.26	9,112.24	179.02	51.901		
4,800.00	4,489.26	4,485.26	4,485.26	30.05	154.87	128.75	366.44	-8,359.54	9,317.59	9,135.20	182.38	51.089		
4,900.00	4,580.90	4,576.90	4,576.90	30.75	158.07	128.94	366.44	-8,359.54	9,344.01	9,157.82	186.19	50.186		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2° Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,672.54	4,668.54	4,668.54	31.45	161.27	129.12	366.44	-8,359.54	9,370.54	9,180.54	189.99	49.320		
5,100.00	4,764.17	4,760.17	4,760.17	32.16	164.47	129.30	366.44	-8,359.54	9,397.15	9,203.35	193.80	48.489		
5,200.00	4,855.81	4,851.81	4,851.81	32.86	167.66	129.48	366.44	-8,359.54	9,423.87	9,226.26	197.61	47.690		
5,300.00	4,947.45	4,943.45	4,943.45	33.56	170.86	129.65	366.44	-8,359.54	9,450.68	9,249.27	201.41	46.922		
5,400.00	5,039.08	5,035.08	5,035.08	34.27	174.06	129.83	366.44	-8,359.54	9,477.58	9,272.36	205.21	46.184		
5,500.00	5,130.72	5,126.72	5,126.72	34.97	177.26	130.01	366.44	-8,359.54	9,504.57	9,295.55	209.02	45.473		
5,600.00	5,222.36	5,218.36	5,218.36	35.68	180.46	130.18	366.44	-8,359.54	9,531.66	9,318.84	212.82	44.787		
5,700.00	5,314.00	5,310.00	5,310.00	36.38	183.66	130.36	366.44	-8,359.54	9,558.83	9,342.21	216.62	44.127		
5,800.00	5,405.63	5,401.63	5,401.63	37.08	186.85	130.53	366.44	-8,359.54	9,586.10	9,365.68	220.42	43.490		
5,900.00	5,497.27	5,506.73	5,493.27	37.79	190.52	130.70	366.44	-8,359.54	9,613.46	9,388.77	224.69	42.785		
6,000.00	5,588.91	5,584.91	5,584.91	38.50	193.25	130.88	366.44	-8,359.54	9,640.90	9,412.88	228.02	42.281		
6,100.00	5,680.54	5,676.54	5,676.54	39.20	196.45	131.05	366.44	-8,359.54	9,668.43	9,436.61	231.82	41.707		
6,200.00	5,772.18	5,768.18	5,768.18	39.91	199.65	131.22	366.44	-8,359.54	9,696.05	9,460.44	235.62	41.152		
6,300.00	5,863.82	5,859.82	5,859.82	40.61	202.85	131.39	366.44	-8,359.54	9,723.76	9,484.35	239.41	40.615		
6,400.00	5,955.45	5,951.45	5,951.45	41.32	206.05	131.56	366.44	-8,359.54	9,751.55	9,508.34	243.21	40.095		
6,500.00	6,047.09	6,043.09	6,043.09	42.02	209.24	131.72	366.44	-8,359.54	9,779.43	9,532.42	247.01	39.592		
6,600.00	6,138.73	6,134.73	6,134.73	42.73	212.44	131.89	366.44	-8,359.54	9,807.39	9,556.59	250.80	39.104		
6,700.00	6,230.37	6,226.37	6,226.37	43.44	215.64	132.06	366.44	-8,359.54	9,835.43	9,580.84	254.59	38.632		
6,712.03	6,241.39	6,237.39	6,237.39	43.52	216.03	132.08	366.44	-8,359.54	9,838.81	9,583.76	255.05	38.576		
6,750.00	6,276.38	6,272.38	6,272.38	43.78	217.25	124.59	366.44	-8,359.54	9,848.42	9,591.93	256.49	38.397		
6,800.00	6,322.91	6,318.91	6,318.91	44.09	218.87	113.49	366.44	-8,359.54	9,857.82	9,599.42	258.40	38.150		
6,850.00	6,369.70	6,365.70	6,365.70	44.36	220.51	101.58	366.44	-8,359.54	9,863.46	9,603.17	260.29	37.894		
6,900.00	6,416.45	6,412.45	6,412.45	44.59	222.14	89.90	366.44	-8,359.54	9,865.32	9,603.17	262.15	37.632		
6,950.00	6,462.87	6,458.87	6,458.87	44.79	223.76	79.38	366.44	-8,359.54	9,863.39	9,599.42	263.97	37.365		
7,000.00	6,508.69	6,504.69	6,504.69	44.95	225.36	70.55	366.44	-8,359.54	9,857.69	9,591.96	265.74	37.096		
7,050.00	6,553.61	6,549.61	6,549.61	45.09	226.93	63.47	366.44	-8,359.54	9,848.26	9,580.83	267.43	36.826		
7,100.00	6,597.37	6,606.63	6,593.37	45.20	228.92	57.96	366.44	-8,359.54	9,835.15	9,565.64	269.51	36.492		
7,150.00	6,639.68	6,635.68	6,635.68	45.30	229.93	53.74	366.44	-8,359.54	9,818.45	9,547.87	270.58	36.286		
7,200.00	6,680.29	6,676.29	6,676.29	45.39	231.35	50.59	366.44	-8,359.54	9,798.27	9,526.24	272.03	36.019		
7,250.00	6,718.96	6,714.96	6,714.96	45.48	232.70	48.32	366.44	-8,359.54	9,774.73	9,501.35	273.38	35.755		
7,300.00	6,755.43	6,751.43	6,751.43	45.57	233.97	46.79	366.44	-8,359.54	9,747.98	9,473.34	274.64	35.494		
7,350.00	6,789.49	6,785.49	6,785.49	45.67	235.16	45.93	366.44	-8,359.54	9,718.18	9,442.39	275.79	35.238		
7,400.00	6,820.93	6,816.93	6,816.93	45.77	236.26	45.68	366.44	-8,359.54	9,685.52	9,408.69	276.84	34.986		
7,450.00	6,849.55	6,845.55	6,845.55	45.89	237.26	46.04	366.44	-8,359.54	9,650.20	9,372.42	277.78	34.741		
7,500.00	6,875.17	6,871.17	6,871.17	46.02	238.15	47.07	366.44	-8,359.54	9,612.43	9,333.82	278.61	34.502		
7,550.00	6,897.64	6,906.36	6,893.64	46.17	239.38	48.84	366.44	-8,359.54	9,572.44	9,292.66	279.77	34.215		
7,600.00	6,916.82	6,912.82	6,912.82	46.35	239.60	51.52	366.44	-8,359.54	9,530.47	9,250.53	279.94	34.045		
7,650.00	6,932.60	6,928.60	6,928.60	46.55	240.15	55.37	366.44	-8,359.54	9,486.78	9,206.35	280.43	33.829		
7,700.00	6,944.86	6,940.86	6,940.86	46.78	240.58	60.76	366.44	-8,359.54	9,441.64	9,160.83	280.81	33.622		
7,750.00	6,953.55	6,949.55	6,949.55	47.04	240.89	68.25	366.44	-8,359.54	9,395.32	9,114.24	281.08	33.426		
7,800.00	6,958.59	6,954.59	6,954.59	47.33	241.06	78.47	366.44	-8,359.54	9,348.09	9,066.85	281.24	33.239		
7,842.10	6,960.00	6,956.00	6,956.00	47.60	241.11	89.51	366.44	-8,359.54	9,307.84	9,026.56	281.28	33.091		
7,900.00	6,960.15	6,956.15	6,956.15	48.01	241.12	89.51	366.44	-8,359.54	9,252.26	8,970.98	281.28	32.893		
8,000.00	6,960.40	6,956.40	6,956.40	48.86	241.13	89.51	366.44	-8,359.54	9,156.35	8,875.05	281.30	32.550		
8,100.00	6,960.65	6,956.65	6,956.65	49.87	241.13	89.52	366.44	-8,359.54	9,060.53	8,779.18	281.35	32.204		
8,200.00	6,960.91	6,956.91	6,956.91	51.06	241.14	89.52	366.44	-8,359.54	8,964.80	8,683.39	281.41	31.857		
8,300.00	6,961.16	6,957.16	6,957.16	52.41	241.15	89.53	366.44	-8,359.54	8,869.16	8,587.66	281.50	31.507		
8,400.00	6,961.41	6,957.41	6,957.41	53.93	241.16	89.54	366.44	-8,359.54	8,773.62	8,492.01	281.61	31.155		
8,500.00	6,961.66	6,957.66	6,957.66	55.59	241.17	89.54	366.44	-8,359.54	8,678.19	8,396.43	281.75	30.801		
8,600.00	6,961.91	6,957.91	6,957.91	57.37	241.18	89.55	366.44	-8,359.54	8,582.85	8,300.93	281.92	30.445		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 ft
Falken 9-11 PAD - SOUTH WOODS #10-3(PA) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-2" Cone@2.448 Sigma														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,700.00	6,962.16	6,958.16	6,958.16	59.27	241.19	89.55	366.44	-8,359.54	8,487.62	8,205.51	282.11	30.086		
8,800.00	6,962.42	6,958.42	6,958.42	61.26	241.20	89.56	366.44	-8,359.54	8,392.51	8,110.17	282.34	29.725		
8,900.00	6,962.67	6,958.67	6,958.67	63.34	241.20	89.56	366.44	-8,359.54	8,297.51	8,014.91	282.59	29.362		
9,000.00	6,962.92	6,958.92	6,958.92	65.49	241.21	89.57	366.44	-8,359.54	8,202.62	7,919.74	282.88	28.996		
9,100.00	6,963.17	6,959.17	6,959.17	67.70	241.22	89.57	366.44	-8,359.54	8,107.86	7,824.66	283.21	28.629		
9,200.00	6,963.42	6,959.42	6,959.42	69.97	241.23	89.58	366.44	-8,359.54	8,013.23	7,729.66	283.57	28.259		
9,300.00	6,963.68	6,959.68	6,959.68	72.28	241.24	89.59	366.44	-8,359.54	7,918.73	7,634.76	283.97	27.886		
9,400.00	6,963.93	6,959.93	6,959.93	74.64	241.25	89.59	366.44	-8,359.54	7,824.37	7,539.96	284.40	27.511		
9,500.00	6,964.18	6,960.18	6,960.18	77.04	241.26	89.60	366.44	-8,359.54	7,730.15	7,445.26	284.88	27.135		
9,600.00	6,964.43	6,960.43	6,960.43	79.48	241.27	89.60	366.44	-8,359.54	7,636.07	7,350.67	285.40	26.756		
9,700.00	6,964.68	6,960.68	6,960.68	81.94	241.27	89.61	366.44	-8,359.54	7,542.15	7,256.18	285.96	26.374		
9,800.00	6,964.94	6,960.94	6,960.94	84.43	241.28	89.61	366.44	-8,359.54	7,448.38	7,161.81	286.57	25.991		
9,900.00	6,965.19	6,961.19	6,961.19	86.95	241.29	89.62	366.44	-8,359.54	7,354.78	7,067.56	287.23	25.606		
10,000.00	6,965.44	6,961.44	6,961.44	89.49	241.30	89.62	366.44	-8,359.54	7,261.36	6,973.42	287.93	25.219		
10,100.00	6,965.69	6,961.69	6,961.69	92.05	241.31	89.63	366.44	-8,359.54	7,168.10	6,879.42	288.68	24.830		
10,200.00	6,965.94	6,961.94	6,961.94	94.63	241.32	89.64	366.44	-8,359.54	7,075.04	6,785.55	289.49	24.440		
10,300.00	6,966.19	6,962.19	6,962.19	97.22	241.33	89.64	366.44	-8,359.54	6,982.16	6,691.81	290.35	24.048		
10,400.00	6,966.45	6,962.45	6,962.45	99.83	241.34	89.65	366.44	-8,359.54	6,889.48	6,598.23	291.26	23.654		
10,500.00	6,966.70	6,962.70	6,962.70	102.46	241.35	89.65	366.44	-8,359.54	6,797.01	6,504.79	292.23	23.259		
10,600.00	6,966.95	6,962.95	6,962.95	105.09	241.35	89.66	366.44	-8,359.54	6,704.76	6,411.51	293.25	22.864		
10,700.00	6,967.20	6,963.20	6,963.20	107.74	241.36	89.66	366.44	-8,359.54	6,612.73	6,318.40	294.33	22.467		
10,800.00	6,967.45	6,963.45	6,963.45	110.41	241.37	89.67	366.44	-8,359.54	6,520.94	6,225.46	295.48	22.069		
10,900.00	6,967.71	6,963.71	6,963.71	113.08	241.38	89.67	366.44	-8,359.54	6,429.39	6,132.71	296.69	21.671		
11,000.00	6,967.96	6,963.96	6,963.96	115.76	241.39	89.68	366.44	-8,359.54	6,338.10	6,040.14	297.96	21.272		
11,100.00	6,968.21	6,964.21	6,964.21	118.45	241.40	89.69	366.44	-8,359.54	6,247.07	5,947.78	299.29	20.873		
11,200.00	6,968.46	6,964.46	6,964.46	121.15	241.41	89.69	366.44	-8,359.54	6,156.33	5,855.63	300.70	20.473		
11,300.00	6,968.71	6,964.71	6,964.71	123.85	241.42	89.70	366.44	-8,359.54	6,065.87	5,763.70	302.17	20.074		
11,400.00	6,968.97	6,964.97	6,964.97	126.56	241.42	89.70	366.44	-8,359.54	5,975.72	5,672.00	303.72	19.675		
11,500.00	6,969.22	6,965.22	6,965.22	129.28	241.43	89.71	366.44	-8,359.54	5,885.88	5,580.55	305.33	19.277		
11,600.00	6,969.47	6,965.47	6,965.47	132.01	241.44	89.71	366.44	-8,359.54	5,796.38	5,489.35	307.03	18.879		
11,700.00	6,969.72	6,965.72	6,965.72	134.74	241.45	89.72	366.44	-8,359.54	5,707.23	5,398.43	308.80	18.482		
11,800.00	6,969.97	6,965.97	6,965.97	137.48	241.46	89.72	366.44	-8,359.54	5,618.44	5,307.79	310.65	18.086		
11,900.00	6,970.22	6,966.22	6,966.22	140.22	241.47	89.73	366.44	-8,359.54	5,530.04	5,217.46	312.58	17.691		
12,000.00	6,970.48	6,966.48	6,966.48	142.97	241.48	89.74	366.44	-8,359.54	5,442.03	5,127.44	314.60	17.298		
12,100.00	6,970.73	6,966.73	6,966.73	145.72	241.49	89.74	366.44	-8,359.54	5,354.45	5,037.75	316.70	16.907		
12,200.00	6,970.98	6,966.98	6,966.98	148.47	241.49	89.75	366.44	-8,359.54	5,267.31	4,948.42	318.89	16.517		
12,300.00	6,971.23	6,967.23	6,967.23	151.23	241.50	89.75	366.44	-8,359.54	5,180.64	4,859.46	321.18	16.130		
12,400.00	6,971.48	6,967.48	6,967.48	154.00	241.51	89.76	366.44	-8,359.54	5,094.45	4,770.89	323.56	15.745		
12,500.00	6,971.74	6,967.74	6,967.74	156.76	241.52	89.76	366.44	-8,359.54	5,008.78	4,682.74	326.03	15.363		
12,600.00	6,971.99	6,967.99	6,967.99	159.53	241.53	89.77	366.44	-8,359.54	4,923.64	4,595.03	328.61	14.983		
12,700.00	6,972.24	6,968.24	6,968.24	162.31	241.54	89.77	366.44	-8,359.54	4,839.08	4,507.79	331.29	14.607		
12,800.00	6,972.49	6,968.49	6,968.49	165.09	241.55	89.78	366.44	-8,359.54	4,755.11	4,421.04	334.08	14.234		
12,900.00	6,972.74	6,968.74	6,968.74	167.86	241.56	89.79	366.44	-8,359.54	4,671.78	4,334.81	336.97	13.864		
13,002.01	6,973.00	6,969.00	6,969.00	170.70	241.57	89.79	366.44	-8,359.54	4,587.46	4,247.41	340.04	13.491 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	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 - SOUTHARD #2(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 100-GYRO-NS														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	3.28	3.28	30.60	1,621.91	959.10	1,884.47					
100.00	100.00	66.34	66.34	3.28	3.28	30.59	1,622.08	959.01	1,884.37	1,877.81	6.57	286.907 CC		
200.00	200.00	171.13	171.12	3.34	3.32	30.57	1,622.73	958.51	1,884.67	1,878.01	6.66	283.054		
300.00	300.00	274.07	274.06	3.44	3.42	30.55	1,622.96	957.92	1,884.58	1,877.71	6.86	274.602		
306.46	306.46	280.51	280.51	3.45	3.43	-118.85	1,622.97	957.90	1,884.57	1,877.69	6.88	273.953 ES		
400.00	399.98	370.24	370.24	3.60	3.56	-118.89	1,623.03	957.75	1,885.39	1,878.23	7.15	263.645		
500.00	499.84	468.61	468.60	3.79	3.74	-118.98	1,623.31	957.58	1,888.08	1,880.56	7.52	250.943		
600.00	599.45	571.93	571.93	4.02	3.97	-119.15	1,623.46	957.53	1,892.43	1,884.45	7.99	236.941		
700.00	698.70	670.94	670.94	4.29	4.22	-119.36	1,623.40	957.52	1,898.36	1,889.85	8.51	223.085		
800.00	797.47	764.93	764.93	4.60	4.49	-119.62	1,623.53	957.47	1,906.23	1,897.16	9.08	209.989		
900.00	895.62	862.67	862.66	4.94	4.78	-119.93	1,623.82	957.56	1,916.15	1,906.44	9.71	197.366		
1,000.00	993.06	965.22	965.22	5.31	5.11	-120.32	1,623.85	957.81	1,927.81	1,917.40	10.40	185.324		
1,100.00	1,089.64	1,067.27	1,067.26	5.72	5.45	-120.77	1,623.65	957.84	1,941.14	1,930.00	11.14	174.268		
1,200.00	1,185.27	1,162.51	1,162.50	6.17	5.78	-121.21	1,623.31	957.84	1,956.37	1,944.47	11.89	164.507		
1,300.00	1,279.82	1,258.42	1,258.41	6.65	6.12	-121.69	1,623.02	957.87	1,973.78	1,961.10	12.69	155.590		
1,400.00	1,373.17	1,351.89	1,351.87	7.17	6.46	-122.18	1,622.57	957.97	1,993.30	1,979.79	13.51	147.584		
1,479.95	1,446.87	1,423.06	1,423.05	7.61	6.72	-122.56	1,622.29	958.11	2,010.63	1,996.46	14.17	141.866		
1,500.00	1,465.24	1,440.75	1,440.74	7.72	6.79	-122.73	1,622.24	958.14	2,015.19	2,000.85	14.34	140.503		
1,600.00	1,556.88	1,531.01	1,531.00	8.31	7.13	-123.61	1,622.08	958.29	2,038.32	2,023.12	15.20	134.072		
1,700.00	1,648.52	1,624.19	1,624.18	8.92	7.48	-124.49	1,621.91	958.29	2,061.92	2,045.83	16.09	128.139		
1,800.00	1,740.15	1,715.24	1,715.22	9.54	7.84	-125.34	1,621.75	958.35	2,086.03	2,069.05	16.98	122.834		
1,900.00	1,831.79	1,813.38	1,813.37	10.17	8.22	-126.23	1,621.37	958.52	2,110.48	2,092.57	17.91	117.811		
2,000.00	1,923.43	1,909.99	1,909.98	10.81	8.60	-127.09	1,620.76	958.59	2,135.14	2,116.30	18.85	113.287		
2,100.00	2,015.06	2,002.25	2,002.23	11.46	8.97	-127.89	1,620.11	958.56	2,160.14	2,140.38	19.77	109.283		
2,200.00	2,106.70	2,094.93	2,094.91	12.11	9.34	-128.68	1,619.44	958.45	2,185.53	2,164.84	20.69	105.623		
2,300.00	2,198.34	2,188.68	2,188.66	12.78	9.71	-129.47	1,618.78	958.09	2,211.29	2,189.66	21.63	102.256		
2,400.00	2,289.98	2,283.95	2,283.92	13.44	10.10	-130.26	1,618.10	957.38	2,237.34	2,214.77	22.57	99.140		
2,500.00	2,381.61	2,374.49	2,374.46	14.11	10.47	-131.00	1,617.42	956.58	2,263.73	2,240.24	23.49	96.377		
2,600.00	2,473.25	2,460.82	2,460.78	14.79	10.82	-131.70	1,616.90	955.81	2,290.63	2,266.24	24.39	93.922		
2,700.00	2,564.89	2,545.55	2,545.51	15.47	11.16	-132.36	1,616.64	955.05	2,318.18	2,292.90	25.28	91.701		
2,800.00	2,656.52	2,630.88	2,630.84	16.15	11.51	-133.03	1,616.64	954.29	2,346.36	2,320.18	26.17	89.651		
2,900.00	2,748.16	2,719.17	2,719.12	16.83	11.88	-133.69	1,616.80	953.63	2,375.08	2,348.00	27.08	87.712		
3,000.00	2,839.80	2,812.61	2,812.56	17.52	12.26	-134.38	1,616.96	952.94	2,404.14	2,376.13	28.01	85.831		
3,100.00	2,931.43	2,906.22	2,906.16	18.20	12.65	-135.06	1,617.04	952.30	2,433.47	2,404.53	28.94	84.079		
3,200.00	3,023.07	3,012.56	3,012.50	18.89	13.09	-135.80	1,616.73	951.63	2,462.78	2,432.83	29.94	82.247		
3,300.00	3,114.71	3,102.66	3,102.60	19.58	13.46	-136.42	1,616.27	951.05	2,492.18	2,461.32	30.86	80.764		
3,400.00	3,206.35	3,187.47	3,187.41	20.27	13.81	-136.99	1,615.95	950.43	2,521.99	2,490.25	31.74	79.456		
3,500.00	3,297.98	3,260.21	3,260.14	20.97	14.12	-137.47	1,616.02	949.87	2,552.51	2,519.96	32.55	78.413		
3,600.00	3,389.62	3,335.88	3,335.81	21.66	14.43	-137.97	1,616.70	949.33	2,584.00	2,550.63	33.38	77.422		
3,700.00	3,481.26	3,419.41	3,419.33	22.36	14.78	-138.49	1,617.73	949.00	2,616.12	2,581.88	34.24	76.404		
3,800.00	3,572.89	3,506.10	3,506.02	23.05	15.14	-139.03	1,618.98	948.70	2,648.69	2,613.57	35.12	75.413		
3,900.00	3,664.53	3,586.24	3,586.14	23.75	15.47	-139.52	1,620.36	948.58	2,681.77	2,645.81	35.96	74.569		
4,000.00	3,756.17	3,673.37	3,673.25	24.45	15.84	-140.03	1,622.08	948.62	2,715.34	2,678.50	36.84	73.696		
4,100.00	3,847.80	3,764.38	3,764.25	25.14	16.22	-140.55	1,623.96	948.52	2,749.19	2,711.44	37.75	72.828		
4,200.00	3,939.44	3,870.29	3,870.14	25.84	16.66	-141.15	1,625.93	948.34	2,783.07	2,744.33	38.75	71.830		
4,300.00	4,031.08	3,973.54	3,973.38	26.54	17.09	-141.73	1,627.26	947.71	2,816.59	2,776.86	39.72	70.904		
4,400.00	4,122.72	4,071.73	4,071.56	27.24	17.51	-142.26	1,628.24	946.92	2,850.04	2,809.37	40.67	70.076		
4,500.00	4,214.35	4,165.54	4,165.37	27.94	17.90	-142.76	1,629.00	946.22	2,883.52	2,841.93	41.59	69.332		
4,600.00	4,305.99	4,260.63	4,260.44	28.64	18.30	-143.26	1,629.68	945.69	2,917.13	2,874.62	42.52	68.611		
4,700.00	4,397.63	4,354.92	4,354.74	29.35	18.70	-143.73	1,630.23	945.06	2,950.79	2,907.35	43.44	67.930		
4,800.00	4,489.26	4,448.15	4,447.96	30.05	19.09	-144.20	1,630.70	944.53	2,984.56	2,940.21	44.35	67.292		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
4,900.00	4,580.90	4,538.27	4,538.08	30.75	19.47	-144.63	1,631.11	944.19	3,018.46	2,973.21	45.25	66.711		
5,000.00	4,672.54	4,628.01	4,627.82	31.45	19.85	-145.05	1,631.64	943.80	3,052.64	3,006.51	46.14	66.164		
5,100.00	4,764.17	4,731.34	4,731.15	32.16	20.29	-145.53	1,632.04	943.44	3,086.81	3,039.69	47.12	65.516		
5,200.00	4,855.81	4,836.54	4,836.34	32.86	20.73	-146.00	1,631.96	942.93	3,120.69	3,072.59	48.11	64.872		
5,300.00	4,947.45	4,937.43	4,937.23	33.56	21.16	-146.45	1,631.56	942.43	3,154.43	3,105.37	49.07	64.288		
5,400.00	5,039.08	5,042.31	5,042.11	34.27	21.60	-146.90	1,630.77	942.01	3,188.00	3,137.94	50.05	63.691		
5,500.00	5,130.72	5,136.51	5,136.30	34.97	22.00	-147.29	1,629.72	941.63	3,221.36	3,170.38	50.97	63.198		
5,600.00	5,222.36	5,223.70	5,223.48	35.68	22.37	-147.64	1,628.98	941.75	3,255.09	3,203.24	51.85	62.784		
5,700.00	5,314.00	5,331.48	5,331.26	36.38	22.82	-148.07	1,627.60	941.79	3,288.53	3,235.68	52.85	62.220		
5,800.00	5,405.63	5,413.75	5,413.52	37.08	23.17	-148.39	1,626.62	941.77	3,322.20	3,268.51	53.69	61.873		
5,900.00	5,497.27	5,513.74	5,513.51	37.79	23.59	-148.78	1,625.41	941.46	3,355.98	3,301.33	54.65	61.410		
6,000.00	5,588.91	5,597.39	5,597.15	38.50	23.95	-149.09	1,624.43	941.09	3,389.92	3,334.42	55.50	61.084		
6,100.00	5,680.54	5,693.58	5,693.34	39.20	24.35	-149.45	1,623.34	940.67	3,424.00	3,367.57	56.43	60.681		
6,200.00	5,772.18	5,780.60	5,780.35	39.91	24.72	-149.77	1,622.34	940.34	3,458.18	3,400.89	57.29	60.358		
6,300.00	5,863.82	5,871.27	5,871.02	40.61	25.11	-150.10	1,621.41	940.05	3,492.58	3,434.39	58.19	60.024		
6,400.00	5,955.45	5,958.87	5,958.61	41.32	25.48	-150.41	1,620.54	939.63	3,527.12	3,468.06	59.06	59.724		
6,500.00	6,047.09	6,040.27	6,040.01	42.02	25.83	-150.69	1,619.89	939.13	3,561.95	3,502.07	59.88	59.480		
6,600.00	6,138.73	6,122.30	6,122.02	42.73	26.17	-150.98	1,619.52	938.46	3,597.21	3,536.49	60.71	59.248		
6,700.00	6,230.37	6,217.82	6,217.54	43.44	26.58	-151.30	1,619.10	937.74	3,632.57	3,570.94	61.64	58.934		
6,712.03	6,241.39	6,228.23	6,227.95	43.52	26.62	-151.34	1,619.06	937.67	3,636.83	3,575.09	61.74	58.904		
6,750.00	6,276.38	6,261.26	6,260.98	43.78	26.76	-160.07	1,618.92	937.43	3,650.28	3,588.22	62.06	58.814		
6,800.00	6,322.91	6,305.18	6,304.90	44.09	26.95	-172.83	1,618.76	937.10	3,667.94	3,605.46	62.48	58.706		
6,850.00	6,369.70	6,346.98	6,346.70	44.36	27.13	173.60	1,618.65	936.78	3,685.45	3,622.58	62.87	58.622		
6,900.00	6,416.45	6,388.97	6,388.69	44.59	27.31	160.26	1,618.60	936.49	3,702.71	3,639.46	63.25	58.543		
6,950.00	6,462.87	6,435.24	6,434.96	44.79	27.50	148.13	1,618.58	936.19	3,719.59	3,655.94	63.65	58.435		
7,000.00	6,508.69	6,482.56	6,482.27	44.95	27.71	137.71	1,618.55	935.91	3,735.97	3,671.91	64.07	58.313		
7,050.00	6,553.61	6,526.01	6,525.73	45.09	27.89	129.07	1,618.52	935.69	3,751.79	3,687.33	64.46	58.201		
7,100.00	6,597.37	6,566.57	6,566.29	45.20	28.06	121.98	1,618.53	935.52	3,767.03	3,702.18	64.85	58.090		
7,150.00	6,639.68	6,606.38	6,606.09	45.30	28.23	116.20	1,618.57	935.38	3,781.66	3,716.41	65.25	57.960		
7,200.00	6,680.29	6,648.10	6,647.82	45.39	28.41	111.49	1,618.62	935.23	3,795.60	3,729.92	65.68	57.790		
7,250.00	6,718.96	6,687.91	6,687.62	45.48	28.58	107.62	1,618.65	935.05	3,808.83	3,742.71	66.13	57.600		
7,300.00	6,755.43	6,723.31	6,723.03	45.57	28.73	104.38	1,618.68	934.86	3,821.35	3,754.78	66.57	57.402		
7,350.00	6,789.49	6,755.41	6,755.12	45.67	28.87	101.67	1,618.72	934.69	3,833.16	3,766.13	67.03	57.183		
7,400.00	6,820.93	6,785.05	6,784.76	45.77	28.99	99.38	1,618.77	934.53	3,844.27	3,776.75	67.52	56.936		
7,450.00	6,849.55	6,813.54	6,813.26	45.89	29.11	97.47	1,618.84	934.38	3,854.67	3,786.63	68.05	56.648		
7,500.00	6,875.17	6,840.66	6,840.37	46.02	29.23	95.87	1,618.89	934.28	3,864.36	3,795.74	68.61	56.320		
7,550.00	6,897.64	6,864.33	6,864.05	46.17	29.33	94.51	1,618.93	934.23	3,873.33	3,804.12	69.21	55.964		
7,600.00	6,916.82	6,884.45	6,884.16	46.35	29.41	93.36	1,618.96	934.21	3,881.61	3,811.77	69.84	55.578		
7,650.00	6,932.60	6,900.91	6,900.62	46.55	29.48	92.39	1,618.97	934.21	3,889.19	3,818.69	70.50	55.167		
7,700.00	6,944.86	6,912.44	6,912.16	46.78	29.53	91.55	1,618.99	934.21	3,896.07	3,824.90	71.17	54.740		
7,750.00	6,953.55	6,920.69	6,920.41	47.04	29.57	90.86	1,619.00	934.21	3,902.27	3,830.39	71.88	54.291		
7,800.00	6,958.59	6,925.51	6,925.22	47.33	29.59	90.30	1,619.00	934.21	3,907.75	3,835.15	72.60	53.826		
7,842.10	6,960.00	6,926.86	6,926.58	47.60	29.59	89.93	1,619.01	934.21	3,911.81	3,838.59	73.22	53.428		
7,900.00	6,960.15	6,927.02	6,926.74	48.01	29.59	89.94	1,619.01	934.21	3,917.46	3,843.36	74.09	52.872		
8,000.00	6,960.40	6,927.30	6,927.01	48.86	29.60	89.94	1,619.01	934.21	3,929.20	3,853.49	75.70	51.902		
8,100.00	6,960.65	6,927.58	6,927.29	49.87	29.60	89.94	1,619.01	934.21	3,943.44	3,866.02	77.42	50.937		
8,200.00	6,960.91	6,927.86	6,927.57	51.06	29.60	89.95	1,619.01	934.21	3,960.16	3,880.95	79.21	49.994		
8,300.00	6,961.16	6,928.14	6,927.86	52.41	29.60	89.95	1,619.01	934.21	3,979.32	3,898.25	81.07	49.084		
8,400.00	6,961.41	6,928.43	6,928.14	53.93	29.60	89.96	1,619.01	934.21	4,000.89	3,917.91	82.98	48.216		
8,500.00	6,961.66	6,928.72	6,928.43	55.59	29.60	89.96	1,619.01	934.21	4,024.83	3,939.91	84.92	47.397		

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

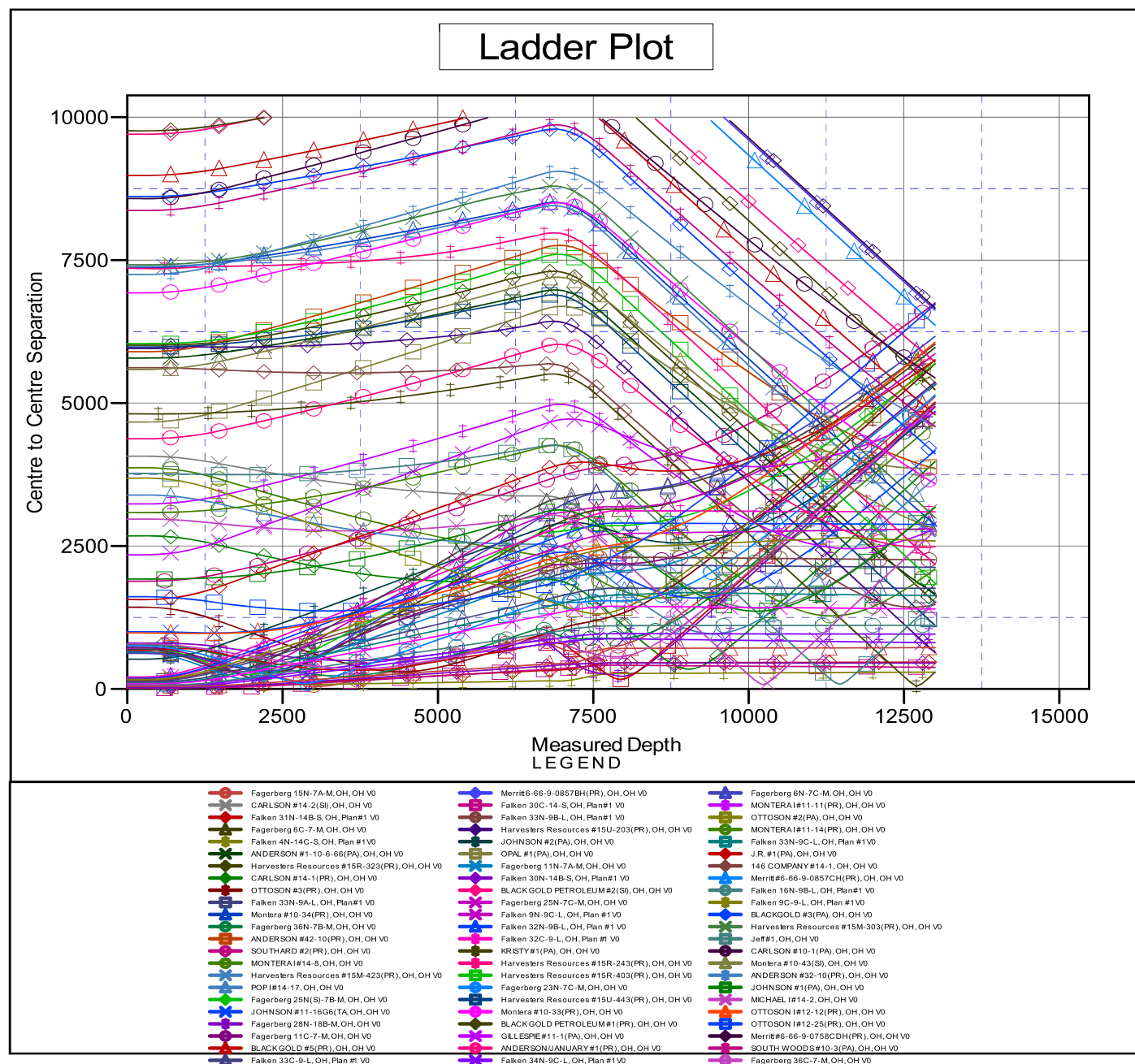
Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design Falken 9-11 PAD - SOUTHARD #2(PR) - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-GYRO-NS													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	6,961.91	6,929.00	6,928.72	57.37	29.60	89.96	1,619.01	934.21	4,051.10	3,964.22	86.87	46.632		
8,700.00	6,962.16	6,929.29	6,929.01	59.27	29.60	89.97	1,619.01	934.21	4,079.65	3,990.81	88.84	45.922		
8,800.00	6,962.42	6,929.59	6,929.30	61.26	29.61	89.97	1,619.01	934.21	4,110.43	4,019.63	90.80	45.269		
8,900.00	6,962.67	6,929.88	6,929.59	63.34	29.61	89.98	1,619.01	934.21	4,143.40	4,050.65	92.75	44.673		
9,000.00	6,962.92	6,930.18	6,929.89	65.49	29.61	89.98	1,619.01	934.21	4,178.50	4,083.82	94.68	44.133		
9,100.00	6,963.17	6,930.48	6,930.19	67.70	29.61	89.99	1,619.01	934.21	4,215.69	4,119.10	96.58	43.648		
9,200.00	6,963.42	6,930.78	6,930.49	69.97	29.61	89.99	1,619.01	934.21	4,254.90	4,156.44	98.46	43.215		
9,300.00	6,963.68	6,931.08	6,930.79	72.28	29.61	90.00	1,619.01	934.21	4,296.08	4,195.78	100.30	42.834		
9,400.00	6,963.93	6,931.38	6,931.09	74.64	29.61	90.00	1,619.01	934.21	4,339.17	4,237.08	102.10	42.501		
9,500.00	6,964.18	6,931.69	6,931.40	77.04	29.61	90.00	1,619.01	934.21	4,384.12	4,280.27	103.85	42.215		
9,600.00	6,964.43	6,932.00	6,931.71	79.48	29.62	90.01	1,619.01	934.21	4,430.88	4,325.31	105.57	41.973		
9,700.00	6,964.68	6,932.31	6,932.02	81.94	29.62	90.01	1,619.01	934.21	4,479.38	4,372.14	107.23	41.773		
9,800.00	6,964.94	6,932.62	6,932.33	84.43	29.62	90.02	1,619.02	934.21	4,529.56	4,420.71	108.85	41.612		
9,900.00	6,965.19	6,932.93	6,932.64	86.95	29.62	90.02	1,619.02	934.21	4,581.38	4,470.96	110.42	41.490		
10,000.00	6,965.44	6,933.25	6,932.96	89.49	29.62	90.03	1,619.02	934.21	4,634.78	4,522.84	111.94	41.403		
10,100.00	6,965.69	6,933.57	6,933.28	92.05	29.62	90.03	1,619.02	934.21	4,689.70	4,576.29	113.42	41.349		
10,200.00	6,965.94	6,933.89	6,933.60	94.63	29.62	90.04	1,619.02	934.21	4,746.10	4,631.25	114.84	41.327 SF		
10,300.00	6,966.19	6,934.21	6,933.92	97.22	29.63	90.04	1,619.02	934.21	4,803.91	4,687.69	116.22	41.335		
10,400.00	6,966.45	6,934.54	6,934.25	99.83	29.63	90.05	1,619.02	934.21	4,863.10	4,745.55	117.55	41.371		
10,500.00	6,966.70	6,934.86	6,934.58	102.46	29.63	90.05	1,619.02	934.21	4,923.60	4,804.77	118.83	41.433		
10,600.00	6,966.95	6,935.19	6,934.91	105.09	29.63	90.06	1,619.02	934.21	4,985.37	4,865.31	120.07	41.521		
10,700.00	6,967.20	6,935.53	6,935.24	107.74	29.63	90.06	1,619.02	934.21	5,048.37	4,927.11	121.26	41.632		
10,800.00	6,967.45	6,935.86	6,935.57	110.41	29.63	90.07	1,619.02	934.21	5,112.55	4,990.14	122.41	41.766		
10,900.00	6,967.71	6,936.20	6,935.91	113.08	29.63	90.07	1,619.02	934.21	5,177.87	5,054.35	123.51	41.921		
11,000.00	6,967.96	6,936.54	6,936.25	115.76	29.64	90.08	1,619.02	934.21	5,244.28	5,119.70	124.58	42.096		
11,100.00	6,968.21	6,936.88	6,936.59	118.45	29.64	90.08	1,619.02	934.20	5,311.74	5,186.14	125.60	42.290		
11,200.00	6,968.46	6,937.22	6,936.93	121.15	29.64	90.09	1,619.02	934.20	5,380.21	5,253.63	126.59	42.501		
11,300.00	6,968.71	6,937.57	6,937.28	123.85	29.64	90.09	1,619.02	934.20	5,449.66	5,322.13	127.54	42.730		
11,400.00	6,968.97	6,937.91	6,937.63	126.56	29.64	90.10	1,619.02	934.20	5,520.05	5,391.60	128.45	42.974		
11,500.00	6,969.22	6,938.27	6,937.98	129.28	29.64	90.10	1,619.02	934.20	5,591.34	5,462.01	129.33	43.234		
11,600.00	6,969.47	6,938.62	6,938.33	132.01	29.64	90.11	1,619.02	934.20	5,663.50	5,533.33	130.17	43.508		
11,700.00	6,969.72	6,938.98	6,938.69	134.74	29.65	90.11	1,619.03	934.20	5,736.49	5,605.51	130.98	43.796		
11,800.00	6,969.97	6,939.33	6,939.05	137.48	29.65	90.12	1,619.03	934.20	5,810.29	5,678.53	131.76	44.097		
11,900.00	6,970.22	6,939.70	6,939.41	140.22	29.65	90.12	1,619.03	934.20	5,884.86	5,752.35	132.51	44.409		
12,000.00	6,970.48	6,940.06	6,939.77	142.97	29.65	90.13	1,619.03	934.20	5,960.18	5,826.94	133.24	44.734		
12,100.00	6,970.73	6,940.43	6,940.14	145.72	29.65	90.13	1,619.03	934.20	6,036.21	5,902.28	133.93	45.070		
12,200.00	6,970.98	6,940.80	6,940.51	148.47	29.65	90.14	1,619.03	934.20	6,112.93	5,978.33	134.60	45.416		
12,300.00	6,971.23	6,941.17	6,940.88	151.23	29.65	90.14	1,619.03	934.20	6,190.32	6,055.08	135.24	45.772		
12,400.00	6,971.48	6,941.54	6,941.26	154.00	29.66	90.15	1,619.03	934.20	6,268.35	6,132.49	135.86	46.138		
12,500.00	6,971.74	6,941.92	6,941.63	156.76	29.66	90.15	1,619.03	934.20	6,346.99	6,210.54	136.46	46.513		
12,600.00	6,971.99	6,942.30	6,942.01	159.53	29.66	90.16	1,619.03	934.20	6,426.23	6,289.20	137.03	46.896		
12,700.00	6,972.24	6,942.68	6,942.40	162.31	29.66	90.17	1,619.03	934.20	6,506.04	6,368.46	137.58	47.288		
12,800.00	6,972.49	6,943.07	6,942.78	165.09	29.66	90.17	1,619.03	934.20	6,586.40	6,448.29	138.12	47.688		
12,900.00	6,972.74	6,943.46	6,943.17	167.86	29.66	90.18	1,619.03	934.20	6,667.29	6,528.67	138.63	48.095		
13,002.01	6,973.00	6,943.86	6,943.57	170.70	29.67	90.18	1,619.03	934.20	6,750.34	6,611.21	139.13	48.518		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Coordinates are relative to: Falken 4N-14A-S
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°



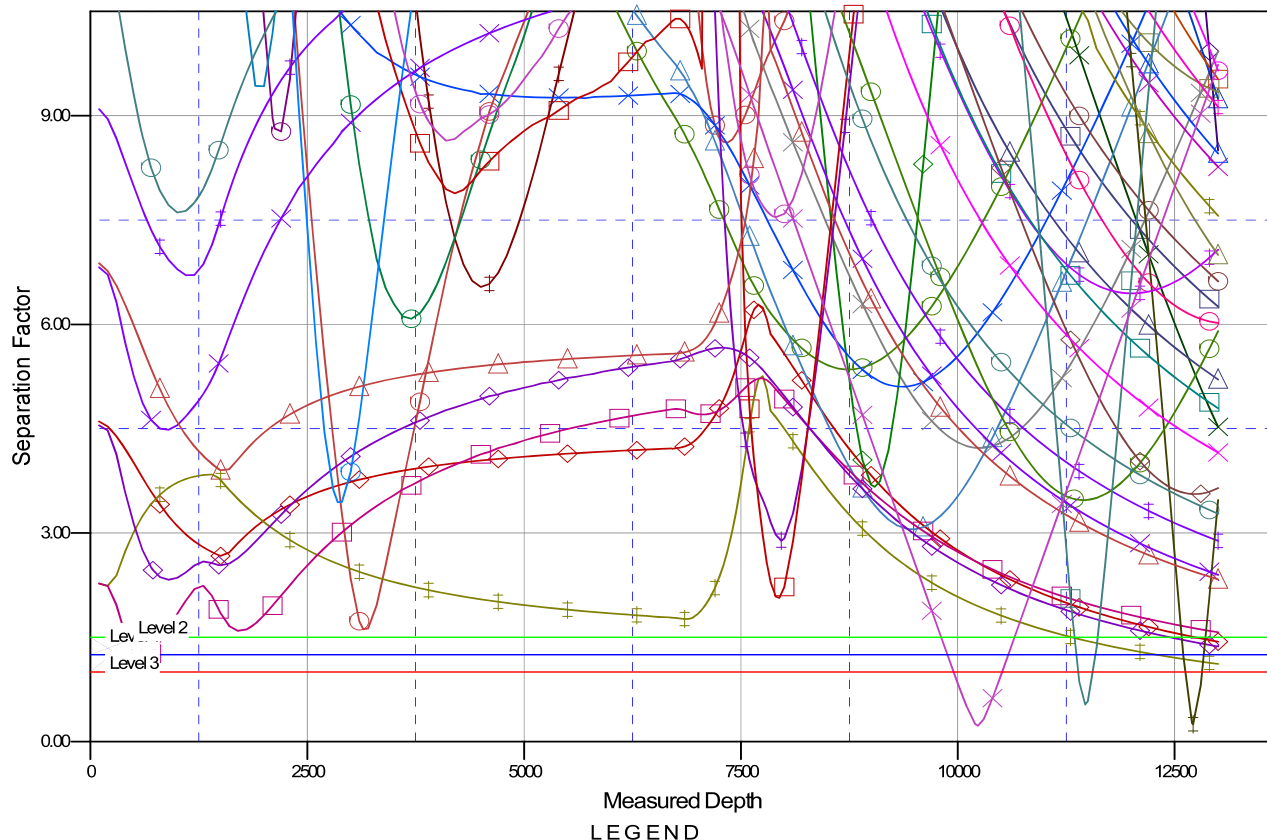
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14A-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14A-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Coordinates are relative to: Falken 4N-14A-S
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	Merritt6-66-9-0857BH(PR), OH, OH V0	Fagerberg 6N-7C-M, OH, OH V0
CARLSON #14-2(SI), OH, OH V0	Falken 30C-14-S, OH, Plan#1 V0	MONTERAI #11-11(PR), OH, OH V0
Falken 31N-14B-S, OH, Plan#1 V0	Falken 33N-9B-L, OH, Plan#1 V0	OTTOSON #2(PA), OH, OH V0
Fagerberg 6C-7-M, OH, OH V0	Harvesters Resources #15U-203(PR), OH, OH V0	MONTERAI #11-14(PR), OH, OH V0
Falken 4N-14C-S, OH, Plan#1 V0	JOHNSON #2(PA), OH, OH V0	Falken 33N-9C-L, OH, Plan#1 V0
ANDERSON #1-10-6-66(PA), OH, OH V0	OPAL #1(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
Harvesters Resources #15R-323(PR), OH, OH V0	Fagerberg 11N-7A-M, OH, OH V0	148 COMPANY #14-1, OH, OH V0
CARLSON #14-1(PR), OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Merritt6-66-9-0857CH(PR), OH, OH V0
OTTOSON #3(PR), OH, OH V0	BLACKGOLD PETROLEUM #2(SI), OH, OH V0	Falken 16N-9B-L, OH, Plan#1 V0
Falken 33N-9A-L, OH, Plan#1 V0	Fagerberg 25N-7C-M, OH, OH V0	Falken 9C-9-L, OH, Plan#1 V0
Montera #10-34(PR), OH, OH V0	Falken 9N-9C-L, OH, Plan#1 V0	BLACKGOLD #3(PA), OH, OH V0
Fagerberg 36N-7B-M, OH, OH V0	Falken 32N-9B-L, OH, Plan#1 V0	Harvesters Resources #15M-303(PR), OH, OH V0
ANDERSON #42-10(PR), OH, OH V0	Falken 32C-9-L, OH, Plan#1 V0	Jeff #1, OH, OH V0
SOUTHARD #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(S)-7B-M, OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	MICHAEL #14-2, OH, OH V0
JOHNSON #11-16GITA, OH, OH V0	Montera #10-33(PR), OH, OH V0	OTTOSON #12-12(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	BLACKGOLD 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	Merritt6-66-9-0758CBH(PR), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	ANDERSON JANUARY #1(PR), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
Falken 33C-9-L, OH, Plan#1 V0	Falken 34N-9C-L, OH, Plan#1 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