



Synergy Resources Corporation

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

**OH
Plan #1**

Anticollision Report

25 April, 2017



Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	4/24/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	13,209.97	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	12,853.63	7,123.10	1,205.68	798.07	2.958	CC
146 COMPANY #14-1 - OH - OH	12,900.00	7,123.48	1,206.57	798.04	2.953	ES, SF
ANDERSON #1-10-6-66(PA) - OH - OH	13,210.89	7,164.01	1,839.98	1,456.51	4.798	CC, ES, SF
ANDERSON #32-10(PR) - OH - OH	13,210.89	7,202.01	4,788.42	4,394.29	12.149	CC, ES, SF
ANDERSON #42-10(PR) - OH - OH	13,210.89	7,207.99	4,067.84	3,655.51	9.865	CC, ES, SF
ANDERSON/JANUARY #1(PR) - OH - OH	12,993.57	7,183.24	2,704.07	2,290.48	6.538	CC
ANDERSON/JANUARY #1(PR) - OH - OH	13,100.00	7,184.11	2,706.16	2,289.45	6.494	ES
ANDERSON/JANUARY #1(PR) - OH - OH	13,210.89	7,185.01	2,712.78	2,293.08	6.464	SF
BLACK GOLD #5(PR) - OH - OH	13,210.89	7,205.99	4,891.88	4,561.25	14.796	CC, ES, SF
BLACK GOLD PETROLEUM #1(PR) - OH - OH	13,210.89	7,175.01	5,291.47	4,984.35	17.229	CC, ES, SF
BLACK GOLD PETROLEUM #2(SI) - OH - OH	13,210.89	7,151.33	5,823.56	5,708.96	50.814	CC, ES, SF
BLACK GOLD #3(PA) - OH - OH	13,210.89	7,176.01	4,184.45	3,869.53	13.287	CC, ES, SF
CARLSON #10-1(PA) - OH - OH	13,210.89	7,188.01	5,603.05	5,230.14	15.025	CC, ES, SF
CARLSON #14-1(PR) - OH - OH	9,253.82	7,125.14	122.45	26.47	1.276	Level 3, CC, ES, SF
CARLSON #14-2(SI) - OH - OH	10,360.06	7,101.19	1,187.84	848.42	3.500	CC
CARLSON #14-2(SI) - OH - OH	10,400.00	7,100.86	1,188.51	848.39	3.494	ES, SF
Fagerberg 11C-7-M - OH - OH	2,026.87	1,938.69	201.02	181.76	10.436	CC, ES
Fagerberg 11C-7-M - OH - OH	2,100.00	1,996.07	205.80	185.89	10.335	SF
Fagerberg 11N-7A-M - OH - OH	1,785.60	1,724.97	203.43	185.53	11.364	CC
Fagerberg 11N-7A-M - OH - OH	1,800.00	1,737.31	203.57	185.52	11.282	ES
Fagerberg 11N-7A-M - OH - OH	1,900.00	1,822.89	212.04	193.13	11.211	SF
Fagerberg 15N-7A-M - OH - OH	2,992.26	2,848.15	15.48	-15.01	0.508	Level 1, CC, ES, SF
Fagerberg 23N-7C-M - OH - OH	2,706.83	2,567.29	53.73	26.58	1.979	CC, ES, SF
Fagerberg 25N(S)-7B-M - OH - OH	1,829.74	1,754.03	266.59	248.55	14.776	CC, ES
Fagerberg 25N(S)-7B-M - OH - OH	1,900.00	1,808.84	270.08	251.38	14.436	SF
Fagerberg 25N-7B-M - OH - OH	1,587.13	1,537.88	330.68	314.45	20.379	CC, ES
Fagerberg 25N-7B-M - OH - OH	1,700.00	1,623.58	339.37	322.09	19.635	SF
Fagerberg 25N-7C-M - OH - OH	1,679.09	1,619.54	311.04	294.49	18.793	CC, ES
Fagerberg 25N-7C-M - OH - OH	1,800.00	1,710.59	321.12	303.47	18.192	SF
Fagerberg 28N-18B-M - OH - OH	7,588.31	7,760.77	402.64	323.82	5.108	CC, ES
Fagerberg 28N-18B-M - OH - OH	7,600.00	7,752.21	402.71	323.83	5.105	SF
Fagerberg 36C-7-M - OH - OH	3,676.61	3,464.05	276.69	238.72	7.287	CC
Fagerberg 36C-7-M - OH - OH	3,700.00	3,486.79	276.76	238.44	7.222	ES
Fagerberg 36C-7-M - OH - OH	4,000.00	3,770.79	292.99	250.45	6.888	SF
Fagerberg 36N-7B-M - OH - OH	3,330.70	3,140.57	148.56	114.64	4.380	CC, ES

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

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

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
Falken 9-11 PAD						
Fagerberg 36N-7B-M - OH - OH	3,400.00	3,205.32	150.48	115.46	4.297 SF	
Fagerberg 3C-18-M - OH - OH	7,987.71	7,500.37	14.69	-67.01	0.180 Level 1, CC, ES, SF	
Fagerberg 6C-7-M - OH - OH	2,165.39	2,047.58	320.61	299.40	15.116 CC, ES	
Fagerberg 6C-7-M - OH - OH	2,300.00	2,163.73	327.71	305.22	14.571 SF	
Fagerberg 6N-7C-M - OH - OH	2,089.13	1,981.13	339.37	318.95	16.618 CC	
Fagerberg 6N-7C-M - OH - OH	2,100.00	1,990.49	339.41	318.88	16.531 ES	
Fagerberg 6N-7C-M - OH - OH	2,300.00	2,158.39	355.30	332.94	15.894 SF	
Falken 16C-9-L - OH - Plan #1	200.00	200.00	104.92	98.25	15.721 CC, ES	
Falken 16C-9-L - OH - Plan #1	13,210.89	12,952.69	1,600.87	1,260.36	4.701 SF	
Falken 16N-9B-L - OH - Plan #1	200.00	200.00	89.98	83.31	13.483 CC, ES	
Falken 16N-9B-L - OH - Plan #1	13,210.89	12,816.37	1,336.34	997.48	3.944 SF	
Falken 30C-14-S - OH - Plan #1	200.00	200.00	29.87	23.20	4.476 CC	
Falken 30C-14-S - OH - Plan #1	400.00	401.73	30.20	22.99	4.189 ES	
Falken 30C-14-S - OH - Plan #1	13,210.89	13,150.89	471.55	135.80	1.404 Level 3, SF	
Falken 30N-14B-S - OH - Plan #1	200.00	200.00	44.81	38.13	6.714 CC	
Falken 30N-14B-S - OH - Plan #1	400.00	402.56	45.22	38.01	6.272 ES	
Falken 30N-14B-S - OH - Plan #1	13,210.89	12,958.18	661.58	323.38	1.956 SF	
Falken 31C-14-S - Plan #1 - Plan #1	841.07	837.69	18.42	8.91	1.936 CC	
Falken 31C-14-S - Plan #1 - Plan #1	900.00	896.46	18.59	8.66	1.873 ES	
Falken 31C-14-S - Plan #1 - Plan #1	13,210.89	13,482.72	448.46	118.52	1.359 Level 3, SF	
Falken 31N-14B-S - OH - Plan #1	612.42	611.50	7.83	-0.28	0.965 Level 1, CC	
Falken 31N-14B-S - OH - Plan #1	13,210.89	13,258.77	235.03	-100.45	0.701 Level 1, ES, SF	
Falken 32C-9-L - OH - Plan #1	200.00	200.00	224.78	218.10	33.679 CC, ES	
Falken 32C-9-L - OH - Plan #1	13,210.89	12,928.12	3,312.17	2,971.88	9.733 SF	
Falken 32N-9B-L - OH - Plan #1	200.00	200.00	209.85	203.17	31.442 CC, ES	
Falken 32N-9B-L - OH - Plan #1	13,210.89	12,747.51	3,104.09	2,764.02	9.128 SF	
Falken 33C-9-L - OH - Plan #1	200.00	200.00	134.79	128.12	20.197 CC, ES	
Falken 33C-9-L - OH - Plan #1	13,210.89	12,910.31	1,966.77	1,626.42	5.779 SF	
Falken 33N-9A-L - OH - Plan #1	200.00	200.00	149.74	143.06	22.436 CC, ES	
Falken 33N-9A-L - OH - Plan #1	13,210.89	12,607.82	2,362.81	2,024.50	6.984 SF	
Falken 33N-9B-L - OH - Plan #1	200.00	200.00	164.66	157.99	24.672 CC, ES	
Falken 33N-9B-L - OH - Plan #1	13,210.89	12,744.62	2,484.36	2,143.64	7.291 SF	
Falken 33N-9C-L - OH - Plan #1	200.00	200.00	119.86	113.19	17.959 CC, ES	
Falken 33N-9C-L - OH - Plan #1	13,210.89	12,835.20	1,847.72	1,507.22	5.427 SF	
Falken 34C-9-L - OH - Plan #1	200.00	200.00	74.68	68.01	11.190 CC, ES	
Falken 34C-9-L - OH - Plan #1	13,210.89	13,017.09	1,146.89	806.30	3.367 SF	
Falken 34N-9C-L - OH - Plan #1	200.00	200.00	59.75	53.07	8.952 CC, ES	
Falken 34N-9C-L - OH - Plan #1	13,210.89	12,931.05	1,016.96	677.18	2.993 SF	
Falken 4N-14A-S - OH - Plan #1	200.00	200.00	14.93	8.26	2.237 CC, ES	
Falken 4N-14A-S - OH - Plan #1	13,210.89	13,002.24	294.52	30.66	1.116 Level 2, SF	
Falken 9C-9-L - OH - Plan #1	200.00	200.00	179.97	173.30	26.966 CC, ES	
Falken 9C-9-L - OH - Plan #1	13,210.89	13,010.99	2,800.21	2,456.71	8.152 SF	
Falken 9N-9C-L - OH - Plan #1	200.00	200.00	194.91	188.23	29.204 CC, ES	
Falken 9N-9C-L - OH - Plan #1	13,210.89	12,728.79	3,021.43	2,682.57	8.917 SF	
GILLESPIE #11-1(PA) - OH - OH	200.00	204.00	2,357.28	2,347.65	244.665 CC	
GILLESPIE #11-1(PA) - OH - OH	300.00	304.02	2,358.95	2,346.05	182.931 ES	
GILLESPIE #11-1(PA) - OH - OH	11,400.00	7,143.27	4,248.68	3,881.75	11.579 SF	
Harvesters Resources #15M-303(PR) - OH - OH	13,210.89	7,644.00	2,985.94	2,905.02	36.902 CC, ES, SF	
Harvesters Resources #15M-423(PR) - OH - OH	13,210.89	7,631.11	2,656.79	2,576.86	33.239 CC, ES, SF	
Harvesters Resources #15R-243(PR) - OH - OH	13,210.89	7,615.37	2,162.78	2,082.29	26.868 CC, ES, SF	
Harvesters Resources #15R-323(PR) - OH - OH	13,210.89	7,628.59	1,503.18	1,425.09	19.249 CC, ES, SF	

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Reference Wellbore	OH	Database:	EDM 5000.14 Single User Db
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Summary

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Falken 9-11 PAD						
Harvesters Resources #15R-403(PR) - OH - OH	13,210.89	7,718.52	1,836.79	1,757.03	23.029	CC, ES, SF
Harvesters Resources #15U-203(PR) - OH - OH	13,210.89	7,542.80	629.44	553.56	8.295	CC, ES, SF
Harvesters Resources #15U-443(PR) - OH - OH	13,210.89	7,672.56	1,093.79	1,016.24	14.104	CC, ES, SF
J.R. #1(PA) - OH - OH	200.00	106.00	1,577.70	1,570.54	220.490	CC
J.R. #1(PA) - OH - OH	300.00	205.98	1,579.36	1,569.56	161.205	ES
J.R. #1(PA) - OH - OH	10,100.00	7,042.70	4,204.52	3,874.08	12.724	SF
Jeff #1 - OH - OH	11,678.32	7,138.34	306.54	147.64	1.929	CC
Jeff #1 - OH - OH	11,700.00	7,138.57	307.30	147.59	1.924	ES, SF
JOHNSON #1(PA) - OH - OH	10,336.54	7,107.41	1,585.47	1,462.80	12.924	CC
JOHNSON #1(PA) - OH - OH	10,400.00	7,108.07	1,586.74	1,462.15	12.736	ES
JOHNSON #1(PA) - OH - OH	10,700.00	7,111.20	1,626.59	1,494.70	12.332	SF
JOHNSON #11-16G6(TA) - OH - OH	1,370.77	1,319.45	963.69	912.01	18.649	CC
JOHNSON #11-16G6(TA) - OH - OH	1,600.00	1,528.79	968.21	907.87	16.048	ES
JOHNSON #11-16G6(TA) - OH - OH	9,600.00	7,113.63	1,827.14	1,505.62	5.683	SF
JOHNSON #2(PA) - OH - OH	0.00	0.00	529.87			
JOHNSON #2(PA) - OH - OH	10,300.00	7,134.11	3,030.27	2,910.69	25.339	SF
KRISTY #1(PA) - OH - OH	12,920.68	7,147.37	272.53	79.45	1.411	Level 3, CC, ES, SF
Merritt #6-66-9-0758CDH(PR) - OH - OH	13,210.89	11,976.00	6,696.25	6,543.86	43.941	CC, ES, SF
Merritt #6-66-9-0857CH(PR) - OH - OH	13,210.89	11,988.00	6,402.69	6,251.82	42.438	CC, ES, SF
Merritt 6-66-9-0857BH(PR) - OH - OH	13,210.89	11,790.00	6,664.33	6,513.35	44.140	CC, ES, SF
MICHAEL I #14-2 - OH - OH	10,442.89	7,118.49	144.94	-197.22	0.424	Level 1, CC, ES, SF
Montera #10-33(PR) - OH - OH	13,210.89	7,179.01	3,763.19	3,381.17	9.851	CC, ES, SF
Montera #10-34(PR) - OH - OH	13,210.89	7,166.01	2,960.13	2,633.04	9.050	CC, ES, SF
Montera #10-43(SI) - OH - OH	13,210.89	7,172.01	3,012.54	2,604.19	7.377	CC, ES, SF
MONTERA I #11-11(PR) - OH - OH	11,853.54	7,166.96	2,677.51	2,295.91	7.016	CC
MONTERA I #11-11(PR) - OH - OH	11,900.00	7,167.34	2,677.92	2,294.93	6.992	ES
MONTERA I #11-11(PR) - OH - OH	12,300.00	7,170.60	2,714.48	2,321.15	6.901	SF
MONTERA I #11-14(PR) - OH - OH	11,542.59	7,146.43	1,501.25	1,128.83	4.031	CC
MONTERA I #11-14(PR) - OH - OH	11,600.00	7,146.90	1,502.35	1,128.16	4.015	ES
MONTERA I #11-14(PR) - OH - OH	11,700.00	7,147.71	1,509.48	1,132.60	4.005	SF
MONTERA I #14-8 - OH - OH	8,825.83	7,104.33	1,371.67	1,068.66	4.527	CC, ES
MONTERA I #14-8 - OH - OH	8,900.00	7,104.93	1,373.67	1,069.68	4.519	SF
OPAL #1(PA) - OH - OH	13,012.42	7,200.39	4,084.74	3,670.03	9.850	CC
OPAL #1(PA) - OH - OH	13,100.00	7,201.11	4,085.68	3,668.41	9.791	ES
OPAL #1(PA) - OH - OH	13,210.89	7,202.01	4,089.56	3,669.15	9.728	SF
OTTOSON #2(PA) - OH - OH	7,773.74	7,068.16	1,095.28	1,025.81	15.766	CC, ES
OTTOSON #2(PA) - OH - OH	7,800.00	7,077.85	1,095.77	1,026.25	15.762	SF
OTTOSON #3(PR) - OH - OH	4,171.01	3,862.19	362.02	319.17	8.449	CC
OTTOSON #3(PR) - OH - OH	4,200.00	3,888.97	362.19	319.04	8.395	ES
OTTOSON #3(PR) - OH - OH	4,300.00	3,981.84	365.32	321.22	8.285	SF
OTTOSON I #12-12(PR) - OH - OH	886.06	817.99	979.94	970.33	102.047	CC
OTTOSON I #12-12(PR) - OH - OH	1,100.00	1,027.95	980.47	969.30	87.732	ES
OTTOSON I #12-12(PR) - OH - OH	9,200.00	7,124.03	3,106.70	3,011.34	32.578	SF
OTTOSON I #12-25(PR) - OH - OH	2,935.25	2,649.22	1,397.76	1,368.54	47.844	CC
OTTOSON I #12-25(PR) - OH - OH	3,000.00	2,704.16	1,398.09	1,368.19	46.761	ES
OTTOSON I #12-25(PR) - OH - OH	6,500.00	5,985.24	1,898.21	1,833.40	29.288	SF
POP I #14-17 - OH - OH	9,644.19	7,107.99	742.19	420.55	2.308	CC, ES, SF
SOUTH WOODS #10-3(PA) - OH - OH	13,210.89	7,158.01	4,719.59	4,367.51	13.405	CC, ES, SF
SOUTHARD #2(PR) - OH - OH	100.00	66.27	1,897.24	1,890.67	288.867	CC, ES
SOUTHARD #2(PR) - OH - OH	10,600.00	7,102.09	5,037.96	4,917.99	41.994	SF

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

Offset Design													Falken 9-11 PAD - 146 COMPANY #14-1 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
0.00	0.00	0.00	0.00	3.28	3.28	-130.89	-3,671.84	-4,241.09	5,609.86								
100.00	100.00	64.00	64.00	3.28	3.47	-130.89	-3,671.84	-4,241.09	5,609.75	5,603.00	6.75	831.106					
200.00	200.00	164.00	164.00	3.34	5.16	-130.89	-3,671.84	-4,241.09	5,609.75	5,601.25	8.49	660.418					
300.00	299.98	263.98	263.98	3.44	8.16	77.46	-3,671.84	-4,241.09	5,609.37	5,597.77	11.60	483.640					
400.00	399.84	363.84	363.84	3.59	11.44	77.53	-3,671.84	-4,241.09	5,608.23	5,593.21	15.03	373.226					
500.00	499.45	463.45	463.45	3.79	14.80	77.66	-3,671.84	-4,241.09	5,606.35	5,587.76	18.59	301.577					
600.00	598.70	562.70	562.70	4.04	18.20	77.83	-3,671.84	-4,241.09	5,603.75	5,581.52	22.23	252.099					
700.00	697.47	661.47	661.47	4.32	21.60	78.05	-3,671.84	-4,241.09	5,600.44	5,574.53	25.91	216.120					
800.00	795.62	759.62	759.62	4.64	24.99	78.31	-3,671.84	-4,241.09	5,596.46	5,566.83	29.63	188.879					
900.00	893.06	857.06	857.06	5.01	28.36	78.62	-3,671.84	-4,241.09	5,591.85	5,558.48	33.37	167.587					
1,000.00	989.64	953.64	953.64	5.41	31.72	78.98	-3,671.84	-4,241.09	5,586.65	5,549.54	37.12	150.514					
1,100.00	1,085.27	1,049.27	1,049.27	5.85	35.04	79.37	-3,671.84	-4,241.09	5,580.92	5,540.05	40.88	136.535					
1,200.00	1,179.82	1,143.82	1,143.82	6.33	38.33	79.81	-3,671.84	-4,241.09	5,574.71	5,530.08	44.64	124.890					
1,300.00	1,273.17	1,237.17	1,237.17	6.84	41.57	80.28	-3,671.84	-4,241.09	5,568.09	5,519.69	48.40	115.047					
1,404.90	1,369.69	1,333.69	1,333.69	7.43	44.93	80.81	-3,671.84	-4,241.09	5,560.77	5,508.43	52.34	106.240					
1,500.00	1,456.50	1,420.50	1,420.50	8.00	47.96	81.17	-3,671.84	-4,241.09	5,554.13	5,498.20	55.92	99.315					
1,600.00	1,547.79	1,511.79	1,511.79	8.61	51.14	81.55	-3,671.84	-4,241.09	5,547.42	5,487.71	59.71	92.903					
1,700.00	1,639.07	1,603.07	1,603.07	9.23	54.32	81.93	-3,671.84	-4,241.09	5,541.01	5,477.49	63.52	87.239					
1,800.00	1,730.36	1,705.64	1,694.36	9.87	57.89	82.31	-3,671.84	-4,241.09	5,534.89	5,467.17	67.73	81.724					
1,900.00	1,821.64	1,785.64	1,785.64	10.52	60.68	82.70	-3,671.84	-4,241.09	5,529.07	5,457.91	71.16	77.698					
2,000.00	1,912.93	1,876.93	1,876.93	11.18	63.86	83.08	-3,671.84	-4,241.09	5,523.54	5,448.54	75.00	73.648					
2,100.00	2,004.21	1,968.21	1,968.21	11.84	67.05	83.47	-3,671.84	-4,241.09	5,518.31	5,439.46	78.85	69.989					
2,200.00	2,095.50	2,059.50	2,059.50	12.51	70.23	83.85	-3,671.84	-4,241.09	5,513.38	5,430.68	82.70	66.669					
2,300.00	2,186.78	2,150.78	2,150.78	13.19	73.41	84.24	-3,671.84	-4,241.09	5,508.74	5,422.18	86.56	63.644					
2,400.00	2,278.06	2,242.06	2,242.06	13.86	76.60	84.62	-3,671.84	-4,241.09	5,504.40	5,413.98	90.42	60.876					
2,500.00	2,369.35	2,333.35	2,333.35	14.55	79.78	85.01	-3,671.84	-4,241.09	5,500.37	5,406.08	94.29	58.337					
2,600.00	2,460.63	2,424.63	2,424.63	15.23	82.96	85.40	-3,671.84	-4,241.09	5,496.63	5,398.47	98.16	55.998					
2,700.00	2,551.92	2,515.92	2,515.92	15.92	86.15	85.79	-3,671.84	-4,241.09	5,493.19	5,391.16	102.03	53.838					
2,800.00	2,643.20	2,607.20	2,607.20	16.61	89.33	86.17	-3,671.84	-4,241.09	5,490.06	5,384.15	105.91	51.837					
2,900.00	2,734.49	2,701.51	2,698.49	17.30	92.62	86.56	-3,671.84	-4,241.09	5,487.23	5,377.33	109.89	49.932					
3,000.00	2,825.77	2,789.77	2,789.77	18.00	95.70	86.95	-3,671.84	-4,241.09	5,484.70	5,371.03	113.67	48.250					
3,100.00	2,917.06	2,881.06	2,881.06	18.69	98.89	87.34	-3,671.84	-4,241.09	5,482.47	5,364.92	117.56	46.637					
3,200.00	3,008.34	2,972.34	2,972.34	19.39	102.07	87.73	-3,671.84	-4,241.09	5,480.55	5,359.11	121.44	45.130					
3,300.00	3,099.63	3,063.63	3,063.63	20.09	105.26	88.12	-3,671.84	-4,241.09	5,478.93	5,353.60	125.33	43.717					
3,400.00	3,190.91	3,154.91	3,154.91	20.79	108.44	88.51	-3,671.84	-4,241.09	5,477.61	5,348.40	129.22	42.391					
3,500.00	3,282.20	3,246.20	3,246.20	21.49	111.63	88.90	-3,671.84	-4,241.09	5,476.60	5,343.50	133.10	41.145					
3,600.00	3,373.48	3,337.48	3,337.48	22.19	114.81	89.29	-3,671.84	-4,241.09	5,475.89	5,338.90	136.99	39.972					
3,700.00	3,464.77	3,428.77	3,428.77	22.89	118.00	89.68	-3,671.84	-4,241.09	5,475.49	5,334.61	140.88	38.865					
3,782.42	3,540.01	3,504.01	3,504.01	23.47	120.62	90.00	-3,671.84	-4,241.09	5,475.39	5,331.30	144.09	37.999					
3,800.00	3,556.05	3,520.05	3,520.05	23.60	121.18	90.07	-3,671.84	-4,241.09	5,475.39	5,330.62	144.78	37.820					
3,900.00	3,647.34	3,611.34	3,611.34	24.30	124.37	90.46	-3,671.84	-4,241.09	5,475.60	5,326.93	148.67	36.831					
4,000.00	3,738.62	3,702.62	3,702.62	25.00	127.56	90.85	-3,671.84	-4,241.09	5,476.11	5,323.55	152.56	35.895					
4,100.00	3,829.91	3,806.09	3,793.91	25.71	131.17	91.24	-3,671.84	-4,241.09	5,476.92	5,320.05	156.88	34.912					
4,200.00	3,921.19	3,885.19	3,885.19	26.42	133.93	91.63	-3,671.84	-4,241.09	5,478.04	5,317.70	160.34	34.165					
4,300.00	4,012.48	3,976.48	3,976.48	27.12	137.11	92.02	-3,671.84	-4,241.09	5,479.46	5,315.23	164.23	33.364					
4,400.00	4,103.76	4,067.76	4,067.76	27.83	140.30	92.41	-3,671.84	-4,241.09	5,481.19	5,313.06	168.13	32.602					
4,500.00	4,195.05	4,159.05	4,159.05	28.54	143.48	92.80	-3,671.84	-4,241.09	5,483.22	5,311.20	172.02	31.876					
4,600.00	4,286.33	4,250.33	4,250.33	29.24	146.67	93.19	-3,671.84	-4,241.09	5,485.55	5,309.64	175.91	31.184					
4,700.00	4,377.62	4,341.62	4,341.62	29.95	149.86	93.57	-3,671.84	-4,241.09	5,488.19	5,308.39	179.80	30.524					

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-14C-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-14C-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 - 146 COMPANY #14-1 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,800.00	4,468.90	4,432.90	4,432.90	30.66	153.04	93.96	-3,671.84	-4,241.09	5,491.13	5,307.44	183.69	29.893					
4,900.00	4,560.19	4,524.19	4,524.19	31.37	156.23	94.35	-3,671.84	-4,241.09	5,494.37	5,306.79	187.58	29.291					
5,000.00	4,651.47	4,615.47	4,615.47	32.08	159.41	94.74	-3,671.84	-4,241.09	5,497.91	5,306.44	191.47	28.714					
5,100.00	4,742.76	4,706.76	4,706.76	32.79	162.60	95.13	-3,671.84	-4,241.09	5,501.75	5,306.39	195.36	28.162					
5,200.00	4,834.04	4,801.96	4,798.04	33.50	165.92	95.51	-3,671.84	-4,241.09	5,505.89	5,306.51	199.38	27.615					
5,300.00	4,925.33	4,889.33	4,889.33	34.21	168.97	95.90	-3,671.84	-4,241.09	5,510.34	5,307.20	203.13	27.127					
5,400.00	5,016.61	4,980.61	4,980.61	34.92	172.16	96.28	-3,671.84	-4,241.09	5,515.08	5,308.06	207.02	26.641					
5,500.00	5,107.90	5,071.90	5,071.90	35.63	175.35	96.67	-3,671.84	-4,241.09	5,520.11	5,309.21	210.90	26.174					
5,600.00	5,199.18	5,163.18	5,163.18	36.34	178.53	97.05	-3,671.84	-4,241.09	5,525.45	5,310.66	214.79	25.725					
5,700.00	5,290.46	5,254.46	5,254.46	37.05	181.72	97.44	-3,671.84	-4,241.09	5,531.08	5,312.41	218.67	25.294					
5,800.00	5,381.75	5,345.75	5,345.75	37.76	184.90	97.82	-3,671.84	-4,241.09	5,537.01	5,314.46	222.55	24.880					
5,900.00	5,473.03	5,437.03	5,437.03	38.47	188.09	98.20	-3,671.84	-4,241.09	5,543.23	5,316.80	226.43	24.481					
6,000.00	5,564.32	5,528.32	5,528.32	39.18	191.28	98.58	-3,671.84	-4,241.09	5,549.75	5,319.43	230.31	24.097					
6,100.00	5,655.60	5,619.60	5,619.60	39.90	194.46	98.97	-3,671.84	-4,241.09	5,556.55	5,322.36	234.19	23.727					
6,200.00	5,746.89	5,710.89	5,710.89	40.61	197.65	99.35	-3,671.84	-4,241.09	5,563.65	5,325.59	238.07	23.370					
6,300.00	5,838.17	5,802.17	5,802.17	41.32	200.84	99.72	-3,671.84	-4,241.09	5,571.04	5,329.10	241.94	23.026					
6,400.00	5,929.46	5,906.54	5,893.46	42.03	204.48	100.10	-3,671.84	-4,241.09	5,578.72	5,332.45	246.27	22.653					
6,500.00	6,020.74	5,984.74	5,984.74	42.74	207.21	100.48	-3,671.84	-4,241.09	5,586.68	5,337.00	249.69	22.375					
6,600.00	6,112.03	6,076.03	6,076.03	43.46	210.39	100.86	-3,671.84	-4,241.09	5,594.94	5,341.38	253.56	22.066					
6,700.00	6,203.31	6,167.31	6,167.31	44.17	213.58	101.23	-3,671.84	-4,241.09	5,603.47	5,346.05	257.43	21.767					
6,800.00	6,294.60	6,258.60	6,258.60	44.88	216.77	101.61	-3,671.84	-4,241.09	5,612.30	5,351.00	261.29	21.479					
6,900.00	6,385.88	6,349.88	6,349.88	45.59	219.95	101.98	-3,671.84	-4,241.09	5,621.40	5,356.24	265.16	21.200					
6,927.91	6,411.36	6,375.36	6,375.36	45.79	220.84	102.09	-3,671.84	-4,241.09	5,623.99	5,357.75	266.24	21.124					
6,950.00	6,431.59	6,404.41	6,395.59	45.95	221.86	98.08	-3,671.84	-4,241.09	5,625.69	5,358.29	267.40	21.039					
7,000.00	6,477.77	6,441.77	6,441.77	46.27	223.16	87.94	-3,671.84	-4,241.09	5,626.84	5,357.82	269.02	20.916					
7,050.00	6,524.26	6,488.26	6,488.26	46.56	224.78	76.79	-3,671.84	-4,241.09	5,624.24	5,353.32	270.92	20.760					
7,100.00	6,570.76	6,534.76	6,534.76	46.81	226.41	65.48	-3,671.84	-4,241.09	5,617.91	5,345.12	272.79	20.594					
7,150.00	6,617.00	6,581.00	6,581.00	47.02	228.02	54.91	-3,671.84	-4,241.09	5,607.86	5,333.25	274.61	20.421					
7,200.00	6,662.68	6,626.68	6,626.68	47.20	229.62	45.63	-3,671.84	-4,241.09	5,594.17	5,317.79	276.38	20.241					
7,250.00	6,707.53	6,671.53	6,671.53	47.34	231.18	37.79	-3,671.84	-4,241.09	5,576.89	5,298.81	278.08	20.055					
7,300.00	6,751.28	6,715.28	6,715.28	47.47	232.71	31.25	-3,671.84	-4,241.09	5,556.13	5,276.41	279.71	19.864					
7,350.00	6,793.64	6,757.64	6,757.64	47.57	234.19	25.78	-3,671.84	-4,241.09	5,532.00	5,250.72	281.28	19.667					
7,400.00	6,834.35	6,801.65	6,798.35	47.66	235.72	21.11	-3,671.84	-4,241.09	5,504.65	5,221.77	282.88	19.459					
7,450.00	6,873.18	6,837.18	6,837.18	47.75	236.96	17.01	-3,671.84	-4,241.09	5,474.23	5,190.06	284.17	19.264					
7,500.00	6,909.88	6,873.88	6,873.88	47.83	238.24	13.27	-3,671.84	-4,241.09	5,440.94	5,155.45	285.49	19.058					
7,550.00	6,944.21	6,908.21	6,908.21	47.91	239.44	9.71	-3,671.84	-4,241.09	5,404.96	5,118.24	286.72	18.851					
7,600.00	6,975.98	6,939.98	6,939.98	47.99	240.55	6.12	-3,671.84	-4,241.09	5,366.51	5,078.66	287.85	18.643					
7,650.00	7,004.98	6,968.98	6,968.98	48.09	241.56	2.31	-3,671.84	-4,241.09	5,325.84	5,036.95	288.89	18.436					
7,700.00	7,031.04	7,004.96	6,995.04	48.20	242.82	-2.01	-3,671.84	-4,241.09	5,283.18	4,993.01	290.16	18.208					
7,750.00	7,053.99	7,017.99	7,017.99	48.32	243.28	-7.20	-3,671.84	-4,241.09	5,238.80	4,948.16	290.64	18.025					
7,800.00	7,073.70	7,037.70	7,037.70	48.46	243.96	-13.82	-3,671.84	-4,241.09	5,192.98	4,901.62	291.36	17.823					
7,850.00	7,090.03	7,054.03	7,054.03	48.62	244.53	-22.69	-3,671.84	-4,241.09	5,146.00	4,854.03	291.97	17.625					
7,900.00	7,102.90	7,066.90	7,066.90	48.81	244.98	-34.89	-3,671.84	-4,241.09	5,098.15	4,805.69	292.46	17.432					
7,950.00	7,112.22	7,076.22	7,076.22	49.02	245.31	-51.20	-3,671.84	-4,241.09	5,049.75	4,756.91	292.84	17.244					
8,000.00	7,117.94	7,081.94	7,081.94	49.26	245.51	-70.45	-3,671.84	-4,241.09	5,001.08	4,707.98	293.10	17.062					
8,047.82	7,120.00	7,084.00	7,084.00	49.51	245.58	-88.14	-3,671.84	-4,241.09	4,954.59	4,661.34	293.25	16.896					
8,100.00	7,120.42	7,084.42	7,084.42	49.82	245.59	-88.16	-3,671.84	-4,241.09	4,903.99	4,610.64	293.35	16.717					
8,200.00	7,121.24	7,085.24	7,085.24	50.53	245.62	-88.20	-3,671.84	-4,241.09	4,807.13	4,513.57	293.56	16.375					
8,300.00	7,122.05	7,086.05	7,086.05	51.39	245.65	-88.24	-3,671.84	-4,241.09	4,710.40	4,416.60	293.80	16.033					
8,400.00	7,122.86	7,086.86	7,086.86	52.42	245.68	-88.28	-3,671.84	-4,241.09	4,613.80	4,319.74	294.06	15.690					
8,500.00	7,123.68	7,087.68	7,087.68	53.63	245.71	-88.32	-3,671.84	-4,241.09	4,517.36	4,223.01	294.34	15.347					

CC - Min centre 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-14C-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-14C-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			
8,600.00	7,124.49	7,088.49	7,088.49	55.01	245.74	-88.36	-3,671.84	-4,241.09	4,421.07	4,126.41	294.65	15.004			
8,700.00	7,125.30	7,089.30	7,089.30	56.54	245.76	-88.39	-3,671.84	-4,241.09	4,324.95	4,029.95	294.99	14.661			
8,800.00	7,126.12	7,109.88	7,090.12	58.21	246.48	-88.43	-3,671.84	-4,241.09	4,229.01	3,932.95	296.06	14.284			
8,900.00	7,126.93	7,109.07	7,090.93	60.01	246.45	-88.47	-3,671.84	-4,241.09	4,133.26	3,836.84	296.41	13.944			
9,000.00	7,127.75	7,108.26	7,091.75	61.92	246.43	-88.51	-3,671.84	-4,241.09	4,037.71	3,740.91	296.81	13.604			
9,100.00	7,128.56	7,107.44	7,092.56	63.92	246.40	-88.55	-3,671.84	-4,241.09	3,942.39	3,645.15	297.25	13.263			
9,200.00	7,129.37	7,106.63	7,093.37	66.01	246.37	-88.59	-3,671.84	-4,241.09	3,847.31	3,549.58	297.73	12.922			
9,300.00	7,130.19	7,105.81	7,094.19	68.16	246.34	-88.63	-3,671.84	-4,241.09	3,752.48	3,454.21	298.27	12.581			
9,400.00	7,131.00	7,105.00	7,095.00	70.38	246.31	-88.66	-3,671.84	-4,241.09	3,657.93	3,359.07	298.86	12.240			
9,500.00	7,131.81	7,104.19	7,095.81	72.65	246.28	-88.70	-3,671.84	-4,241.09	3,563.67	3,264.16	299.51	11.898			
9,600.00	7,132.63	7,103.37	7,096.63	74.97	246.26	-88.74	-3,671.84	-4,241.09	3,469.74	3,169.50	300.24	11.557			
9,700.00	7,133.44	7,102.56	7,097.44	77.33	246.23	-88.78	-3,671.84	-4,241.09	3,376.15	3,075.12	301.03	11.215			
9,800.00	7,134.25	7,101.75	7,098.25	79.72	246.20	-88.82	-3,671.84	-4,241.09	3,282.94	2,981.03	301.91	10.874			
9,900.00	7,135.07	7,100.93	7,099.07	82.16	246.17	-88.86	-3,671.84	-4,241.09	3,190.14	2,887.27	302.87	10.533			
10,000.00	7,135.88	7,100.12	7,099.88	84.62	246.14	-88.90	-3,671.84	-4,241.09	3,097.79	2,793.86	303.93	10.192			
10,100.00	7,136.70	7,100.70	7,100.70	87.11	246.16	-88.94	-3,671.84	-4,241.09	3,005.93	2,700.78	305.15	9.851			
10,200.00	7,137.51	7,101.51	7,101.51	89.62	246.19	-88.97	-3,671.84	-4,241.09	2,914.61	2,608.12	306.49	9.510			
10,300.00	7,138.32	7,102.32	7,102.32	92.16	246.22	-89.01	-3,671.84	-4,241.09	2,823.87	2,515.92	307.95	9.170			
10,400.00	7,139.14	7,103.14	7,103.14	94.71	246.25	-89.05	-3,671.84	-4,241.09	2,733.78	2,424.23	309.56	8.831			
10,500.00	7,139.95	7,103.95	7,103.95	97.29	246.28	-89.09	-3,671.84	-4,241.09	2,644.40	2,333.09	311.31	8.494			
10,600.00	7,140.76	7,104.76	7,104.76	99.88	246.30	-89.13	-3,671.84	-4,241.09	2,555.81	2,242.59	313.22	8.160			
10,700.00	7,141.58	7,105.58	7,105.58	102.48	246.33	-89.17	-3,671.84	-4,241.09	2,468.09	2,152.77	315.32	7.827			
10,800.00	7,142.39	7,106.39	7,106.39	105.10	246.36	-89.21	-3,671.84	-4,241.09	2,381.34	2,063.73	317.61	7.498			
10,900.00	7,143.20	7,107.20	7,107.20	107.74	246.39	-89.24	-3,671.84	-4,241.09	2,295.66	1,975.56	320.11	7.172			
11,000.00	7,144.02	7,108.02	7,108.02	110.38	246.42	-89.28	-3,671.84	-4,241.09	2,211.19	1,888.36	322.83	6.849			
11,100.00	7,144.83	7,108.83	7,108.83	113.04	246.45	-89.32	-3,671.84	-4,241.09	2,128.07	1,802.26	325.80	6.532			
11,200.00	7,145.65	7,109.65	7,109.65	115.71	246.47	-89.36	-3,671.84	-4,241.09	2,046.45	1,717.41	329.04	6.220			
11,300.00	7,146.46	7,110.46	7,110.46	118.38	246.50	-89.40	-3,671.84	-4,241.09	1,966.54	1,633.99	332.55	5.913			
11,400.00	7,147.27	7,111.27	7,111.27	121.07	246.53	-89.44	-3,671.84	-4,241.09	1,888.53	1,552.17	336.36	5.615			
11,500.00	7,148.09	7,112.09	7,112.09	123.76	246.56	-89.48	-3,671.84	-4,241.09	1,812.69	1,472.22	340.48	5.324			
11,600.00	7,148.90	7,112.90	7,112.90	126.46	246.59	-89.52	-3,671.84	-4,241.09	1,739.29	1,394.39	344.91	5.043			
11,700.00	7,149.71	7,113.71	7,113.71	129.17	246.62	-89.55	-3,671.84	-4,241.09	1,668.66	1,319.01	349.66	4.772			
11,800.00	7,150.53	7,114.53	7,114.53	131.89	246.64	-89.59	-3,671.84	-4,241.09	1,601.16	1,246.45	354.71	4.514			
11,900.00	7,151.34	7,115.34	7,115.34	134.61	246.67	-89.63	-3,671.84	-4,241.09	1,537.21	1,177.15	360.06	4.269			
12,000.00	7,152.16	7,116.16	7,116.16	137.34	246.70	-89.67	-3,671.84	-4,241.09	1,477.26	1,111.61	365.64	4.040			
12,100.00	7,152.97	7,116.97	7,116.97	140.07	246.73	-89.71	-3,671.84	-4,241.09	1,421.82	1,050.41	371.42	3.828			
12,200.00	7,153.78	7,117.78	7,117.78	142.81	246.76	-89.75	-3,671.84	-4,241.09	1,371.44	994.16	377.28	3.635			
12,300.00	7,154.60	7,118.60	7,118.60	145.55	246.79	-89.79	-3,671.84	-4,241.09	1,326.70	943.58	383.12	3.463			
12,400.00	7,155.41	7,119.41	7,119.41	148.30	246.82	-89.82	-3,671.84	-4,241.09	1,288.19	899.40	388.79	3.313			
12,500.00	7,156.22	7,120.22	7,120.22	151.05	246.84	-89.86	-3,671.84	-4,241.09	1,256.46	862.35	394.11	3.188			
12,600.00	7,157.04	7,121.04	7,121.04	153.80	246.87	-89.90	-3,671.84	-4,241.09	1,232.06	833.15	398.92	3.089			
12,700.00	7,157.85	7,121.85	7,121.85	156.56	246.90	-89.94	-3,671.84	-4,241.09	1,215.42	812.41	403.01	3.016			
12,800.00	7,158.66	7,122.66	7,122.66	159.33	246.93	-89.98	-3,671.84	-4,241.09	1,206.87	800.61	406.26	2.971			
12,853.63	7,159.10	7,123.10	7,123.10	160.81	246.94	-90.00	-3,671.84	-4,241.09	1,205.68	798.07	407.60	2.958 CC			
12,900.00	7,159.48	7,123.48	7,123.48	162.09	246.96	-90.02	-3,671.84	-4,241.09	1,206.57	798.04	408.53	2.953 ES, SF			
13,000.00	7,160.29	7,124.29	7,124.29	164.86	246.99	-90.06	-3,671.84	-4,241.09	1,214.53	804.74	409.79	2.964			
13,100.00	7,161.11	7,125.11	7,125.11	167.64	247.01	-90.10	-3,671.84	-4,241.09	1,230.59	820.54	410.05	3.001			
13,209.97	7,162.00	7,126.00	7,126.00	170.69	247.05	-90.14	-3,671.84	-4,241.09	1,257.23	847.98	409.25	3.072			
13,210.89	7,162.01	7,126.01	7,126.01	170.72	247.05	-90.14	-3,671.84	-4,241.09	1,257.49	848.25	409.24	3.073			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	2.00	2.00	3.28	3.28	-99.88	-992.81	-5,698.49	5,784.32					
100.00	100.00	102.00	102.00	3.28	3.75	-99.88	-992.81	-5,698.49	5,784.32	5,777.29	7.03	822.393		
200.00	200.00	202.00	202.00	3.34	6.24	-99.88	-992.81	-5,698.49	5,784.32	5,774.75	9.58	604.091		
300.00	299.98	301.98	301.98	3.44	9.39	108.44	-992.81	-5,698.49	5,784.88	5,772.05	12.83	450.958		
400.00	399.84	401.84	401.84	3.59	12.71	108.46	-992.81	-5,698.49	5,786.54	5,770.23	16.30	354.939		
500.00	499.45	501.45	501.45	3.79	16.10	108.49	-992.81	-5,698.49	5,789.31	5,769.42	19.89	291.116		
600.00	598.70	600.70	600.70	4.04	19.50	108.53	-992.81	-5,698.49	5,793.20	5,769.67	23.54	246.150		
700.00	697.47	700.53	699.47	4.32	22.95	108.58	-992.81	-5,698.49	5,798.24	5,770.97	27.26	212.673		
800.00	795.62	802.38	797.62	4.64	26.47	108.64	-992.81	-5,698.49	5,804.43	5,773.32	31.11	186.568		
900.00	893.06	904.94	895.06	5.01	30.03	108.70	-992.81	-5,698.49	5,811.80	5,776.77	35.03	165.911		
1,000.00	989.64	1,008.36	991.64	5.41	33.62	108.77	-992.81	-5,698.49	5,820.37	5,781.36	39.02	149.170		
1,100.00	1,085.27	1,087.27	1,087.27	5.85	36.36	108.85	-992.81	-5,698.49	5,830.19	5,787.99	42.19	138.172		
1,200.00	1,179.82	1,181.82	1,181.82	6.33	39.65	108.92	-992.81	-5,698.49	5,841.26	5,795.31	45.95	127.112		
1,300.00	1,273.17	1,275.17	1,275.17	6.84	42.90	109.00	-992.81	-5,698.49	5,853.64	5,803.93	49.71	117.757		
1,404.90	1,369.69	1,371.69	1,371.69	7.43	46.26	109.08	-992.81	-5,698.49	5,868.07	5,814.42	53.64	109.392		
1,500.00	1,456.50	1,458.50	1,458.50	8.00	49.28	109.41	-992.81	-5,698.49	5,881.94	5,824.72	57.21	102.809		
1,600.00	1,547.79	1,549.79	1,549.79	8.61	52.46	109.75	-992.81	-5,698.49	5,896.76	5,835.78	60.98	96.696		
1,700.00	1,639.07	1,641.07	1,641.07	9.23	55.64	110.10	-992.81	-5,698.49	5,911.83	5,847.06	64.77	91.279		
1,800.00	1,730.36	1,732.36	1,732.36	9.87	58.82	110.44	-992.81	-5,698.49	5,927.14	5,858.58	68.56	86.450		
1,900.00	1,821.64	1,823.64	1,823.64	10.52	62.00	110.78	-992.81	-5,698.49	5,942.70	5,870.33	72.37	82.121		
2,000.00	1,912.93	1,914.93	1,914.93	11.18	65.19	111.12	-992.81	-5,698.49	5,958.49	5,882.31	76.18	78.220		
2,100.00	2,004.21	2,006.21	2,006.21	11.84	68.37	111.46	-992.81	-5,698.49	5,974.52	5,894.52	79.99	74.688		
2,200.00	2,095.50	2,102.50	2,097.50	12.51	71.73	111.79	-992.81	-5,698.49	5,990.78	5,906.79	83.99	71.329		
2,300.00	2,186.78	2,188.78	2,188.78	13.19	74.74	112.13	-992.81	-5,698.49	6,007.28	5,919.64	87.64	68.547		
2,400.00	2,278.06	2,280.06	2,280.06	13.86	77.92	112.46	-992.81	-5,698.49	6,024.01	5,932.55	91.46	65.862		
2,500.00	2,369.35	2,371.35	2,371.35	14.55	81.10	112.79	-992.81	-5,698.49	6,040.97	5,945.68	95.29	63.393		
2,600.00	2,460.63	2,462.63	2,462.63	15.23	84.29	113.12	-992.81	-5,698.49	6,058.16	5,959.03	99.12	61.116		
2,700.00	2,551.92	2,553.92	2,553.92	15.92	87.47	113.45	-992.81	-5,698.49	6,075.57	5,972.61	102.96	59.011		
2,800.00	2,643.20	2,645.20	2,645.20	16.61	90.66	113.78	-992.81	-5,698.49	6,093.21	5,986.42	106.79	57.058		
2,900.00	2,734.49	2,736.49	2,736.49	17.30	93.84	114.10	-992.81	-5,698.49	6,111.07	6,000.44	110.62	55.242		
3,000.00	2,825.77	2,827.77	2,827.77	18.00	97.03	114.43	-992.81	-5,698.49	6,129.14	6,014.69	114.46	53.550		
3,100.00	2,917.06	2,919.06	2,919.06	18.69	100.21	114.75	-992.81	-5,698.49	6,147.44	6,029.15	118.29	51.969		
3,200.00	3,008.34	3,010.34	3,010.34	19.39	103.40	115.07	-992.81	-5,698.49	6,165.95	6,043.83	122.12	50.489		
3,300.00	3,099.63	3,101.63	3,101.63	20.09	106.58	115.39	-992.81	-5,698.49	6,184.68	6,058.72	125.96	49.101		
3,400.00	3,190.91	3,202.09	3,192.91	20.79	110.26	115.70	-992.81	-5,698.49	6,203.62	6,073.34	130.28	47.616		
3,500.00	3,282.20	3,284.20	3,284.20	21.49	112.95	116.02	-992.81	-5,698.49	6,222.77	6,089.15	133.62	46.570		
3,600.00	3,373.48	3,375.48	3,375.48	22.19	116.14	116.33	-992.81	-5,698.49	6,242.13	6,104.67	137.45	45.412		
3,700.00	3,464.77	3,466.77	3,466.77	22.89	119.32	116.64	-992.81	-5,698.49	6,261.69	6,120.41	141.28	44.320		
3,800.00	3,556.05	3,558.05	3,558.05	23.60	122.51	116.95	-992.81	-5,698.49	6,281.46	6,136.35	145.11	43.286		
3,900.00	3,647.34	3,649.34	3,649.34	24.30	125.70	117.26	-992.81	-5,698.49	6,301.43	6,152.49	148.94	42.307		
4,000.00	3,738.62	3,740.62	3,740.62	25.00	128.88	117.57	-992.81	-5,698.49	6,321.60	6,168.83	152.77	41.379		
4,100.00	3,829.91	3,831.91	3,831.91	25.71	132.07	117.87	-992.81	-5,698.49	6,341.97	6,185.38	156.60	40.498		
4,200.00	3,921.19	3,923.19	3,923.19	26.42	135.25	118.18	-992.81	-5,698.49	6,362.54	6,202.12	160.42	39.661		
4,300.00	4,012.48	4,014.48	4,014.48	27.12	138.44	118.48	-992.81	-5,698.49	6,383.30	6,219.06	164.25	38.864		
4,400.00	4,103.76	4,105.76	4,105.76	27.83	141.62	118.78	-992.81	-5,698.49	6,404.26	6,236.19	168.07	38.104		
4,500.00	4,195.05	4,202.95	4,197.05	28.54	145.02	119.08	-992.81	-5,698.49	6,425.41	6,253.31	172.10	37.335		
4,600.00	4,286.33	4,288.33	4,288.33	29.24	148.00	119.37	-992.81	-5,698.49	6,446.74	6,271.03	175.72	36.689		
4,700.00	4,377.62	4,379.62	4,379.62	29.95	151.18	119.67	-992.81	-5,698.49	6,468.26	6,288.73	179.53	36.028		
4,800.00	4,468.90	4,470.90	4,470.90	30.66	154.37	119.96	-992.81	-5,698.49	6,489.97	6,306.62	183.35	35.396		
4,900.00	4,560.19	4,562.19	4,562.19	31.37	157.55	120.25	-992.81	-5,698.49	6,511.87	6,324.70	187.17	34.791		
5,000.00	4,651.47	4,653.47	4,653.47	32.08	160.74	120.54	-992.81	-5,698.49	6,533.94	6,342.95	190.99	34.212		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	4,744.76	4,744.76	32.79	163.93	120.83	-992.81	-5,698.49	6,556.19	6,361.39	194.80	33.656		
5,200.00	4,834.04	4,836.04	4,836.04	33.50	167.11	121.12	-992.81	-5,698.49	6,578.62	6,380.01	198.61	33.123		
5,300.00	4,925.33	4,927.33	4,927.33	34.21	170.30	121.40	-992.81	-5,698.49	6,601.23	6,398.81	202.42	32.611		
5,400.00	5,016.61	5,018.61	5,018.61	34.92	173.49	121.68	-992.81	-5,698.49	6,624.02	6,417.78	206.23	32.119		
5,500.00	5,107.90	5,109.90	5,109.90	35.63	176.67	121.96	-992.81	-5,698.49	6,646.97	6,436.93	210.04	31.646		
5,600.00	5,199.18	5,201.18	5,201.18	36.34	179.86	122.24	-992.81	-5,698.49	6,670.10	6,456.25	213.85	31.191		
5,700.00	5,290.46	5,307.54	5,292.46	37.05	183.57	122.52	-992.81	-5,698.49	6,693.39	6,475.21	218.18	30.678		
5,800.00	5,381.75	5,383.75	5,383.75	37.76	186.23	122.80	-992.81	-5,698.49	6,716.86	6,495.40	221.46	30.330		
5,900.00	5,473.03	5,475.03	5,475.03	38.47	189.42	123.07	-992.81	-5,698.49	6,740.49	6,515.22	225.26	29.923		
6,000.00	5,564.32	5,566.32	5,566.32	39.18	192.60	123.34	-992.81	-5,698.49	6,764.28	6,535.21	229.06	29.530		
6,100.00	5,655.60	5,657.60	5,657.60	39.90	195.79	123.61	-992.81	-5,698.49	6,788.23	6,555.37	232.86	29.151		
6,200.00	5,746.89	5,748.89	5,748.89	40.61	198.98	123.88	-992.81	-5,698.49	6,812.35	6,575.68	236.66	28.785		
6,300.00	5,838.17	5,840.17	5,840.17	41.32	202.16	124.15	-992.81	-5,698.49	6,836.62	6,596.16	240.46	28.431		
6,400.00	5,929.46	5,931.46	5,931.46	42.03	205.35	124.42	-992.81	-5,698.49	6,861.05	6,616.80	244.26	28.089		
6,500.00	6,020.74	6,022.74	6,022.74	42.74	208.53	124.68	-992.81	-5,698.49	6,885.64	6,637.59	248.05	27.759		
6,600.00	6,112.03	6,114.03	6,114.03	43.46	211.72	124.94	-992.81	-5,698.49	6,910.38	6,658.53	251.85	27.439		
6,700.00	6,203.31	6,205.31	6,205.31	44.17	214.91	125.20	-992.81	-5,698.49	6,935.27	6,679.64	255.64	27.129		
6,800.00	6,294.60	6,303.40	6,296.60	44.88	218.33	125.46	-992.81	-5,698.49	6,960.32	6,700.65	259.67	26.805		
6,900.00	6,385.88	6,387.88	6,387.88	45.59	221.28	125.72	-992.81	-5,698.49	6,985.51	6,722.29	263.22	26.539		
6,927.91	6,411.36	6,413.36	6,413.36	45.79	222.17	125.79	-992.81	-5,698.49	6,992.56	6,728.29	264.27	26.460		
6,950.00	6,431.59	6,433.59	6,433.59	45.95	222.88	121.64	-992.81	-5,698.49	6,997.79	6,732.68	265.11	26.396		
7,000.00	6,477.77	6,479.77	6,479.77	46.27	224.49	111.30	-992.81	-5,698.49	7,006.92	6,739.91	267.01	26.242		
7,050.00	6,524.26	6,526.26	6,526.26	46.56	226.11	100.08	-992.81	-5,698.49	7,012.25	6,743.36	268.90	26.078		
7,100.00	6,570.76	6,572.76	6,572.76	46.81	227.73	88.87	-992.81	-5,698.49	7,013.77	6,743.01	270.76	25.904		
7,150.00	6,617.00	6,619.00	6,619.00	47.02	229.35	78.54	-992.81	-5,698.49	7,011.46	6,738.89	272.58	25.723		
7,200.00	6,662.68	6,664.68	6,664.68	47.20	230.94	69.66	-992.81	-5,698.49	7,005.35	6,731.01	274.34	25.535		
7,250.00	6,707.53	6,709.53	6,709.53	47.34	232.51	62.39	-992.81	-5,698.49	6,995.48	6,719.45	276.03	25.343		
7,300.00	6,751.28	6,753.28	6,753.28	47.47	234.03	56.63	-992.81	-5,698.49	6,981.91	6,704.25	277.65	25.146		
7,350.00	6,793.64	6,804.36	6,795.64	47.57	235.82	52.14	-992.81	-5,698.49	6,964.72	6,685.22	279.50	24.919		
7,400.00	6,834.35	6,836.35	6,836.35	47.66	236.93	48.72	-992.81	-5,698.49	6,944.03	6,663.39	280.64	24.743		
7,450.00	6,873.18	6,875.18	6,875.18	47.75	238.29	46.17	-992.81	-5,698.49	6,919.96	6,637.96	282.00	24.539		
7,500.00	6,909.88	6,911.88	6,911.88	47.83	239.57	44.37	-992.81	-5,698.49	6,892.66	6,609.40	283.26	24.333		
7,550.00	6,944.21	6,946.21	6,946.21	47.91	240.77	43.22	-992.81	-5,698.49	6,862.29	6,577.87	284.42	24.127		
7,600.00	6,975.98	6,977.98	6,977.98	47.99	241.88	42.66	-992.81	-5,698.49	6,829.05	6,543.57	285.48	23.921		
7,650.00	7,004.98	7,006.98	7,006.98	48.09	242.89	42.70	-992.81	-5,698.49	6,793.13	6,506.70	286.43	23.717		
7,700.00	7,031.04	7,033.04	7,033.04	48.20	243.80	43.35	-992.81	-5,698.49	6,754.75	6,467.48	287.27	23.514		
7,750.00	7,053.99	7,055.99	7,055.99	48.32	244.60	44.72	-992.81	-5,698.49	6,714.14	6,426.15	287.99	23.313		
7,800.00	7,073.70	7,075.70	7,075.70	48.46	245.29	46.95	-992.81	-5,698.49	6,671.55	6,382.94	288.61	23.116		
7,850.00	7,090.03	7,107.97	7,092.03	48.62	246.42	50.33	-992.81	-5,698.49	6,627.23	6,337.56	289.67	22.879		
7,900.00	7,102.90	7,104.90	7,104.90	48.81	246.31	55.31	-992.81	-5,698.49	6,581.45	6,291.95	289.50	22.734		
7,950.00	7,112.22	7,114.22	7,114.22	49.02	246.63	62.63	-992.81	-5,698.49	6,534.48	6,244.71	289.78	22.550		
8,000.00	7,117.94	7,119.94	7,119.94	49.26	246.83	73.41	-992.81	-5,698.49	6,486.61	6,196.68	289.94	22.373		
8,047.82	7,120.00	7,122.00	7,122.00	49.51	246.91	88.01	-992.81	-5,698.49	6,440.25	6,150.27	289.98	22.209		
8,100.00	7,120.42	7,122.42	7,122.42	49.82	246.92	88.03	-992.81	-5,698.49	6,389.46	6,099.49	289.98	22.034		
8,200.00	7,121.24	7,123.24	7,123.24	50.53	246.95	88.06	-992.81	-5,698.49	6,292.19	6,002.21	289.97	21.699		
8,300.00	7,122.05	7,124.05	7,124.05	51.39	246.98	88.09	-992.81	-5,698.49	6,195.00	5,905.02	289.98	21.363		
8,400.00	7,122.86	7,124.86	7,124.86	52.42	247.01	88.12	-992.81	-5,698.49	6,097.90	5,807.89	290.01	21.027		
8,500.00	7,123.68	7,125.68	7,125.68	53.63	247.03	88.15	-992.81	-5,698.49	6,000.90	5,710.85	290.05	20.689		
8,600.00	7,124.49	7,126.49	7,126.49	55.01	247.06	88.19	-992.81	-5,698.49	5,904.00	5,613.89	290.11	20.351		
8,700.00	7,125.30	7,127.30	7,127.30	56.54	247.09	88.22	-992.81	-5,698.49	5,807.20	5,517.01	290.19	20.012		

CC - Min centre 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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,800.00	7,126.12	7,128.12	7,128.12	58.21	247.12	88.25	-992.81	-5,698.49	5,710.51	5,420.23	290.28	19.672		
8,900.00	7,126.93	7,128.93	7,128.93	60.01	247.15	88.28	-992.81	-5,698.49	5,613.94	5,323.54	290.41	19.331		
9,000.00	7,127.75	7,129.75	7,129.75	61.92	247.18	88.31	-992.81	-5,698.49	5,517.49	5,226.94	290.55	18.990		
9,100.00	7,128.56	7,130.56	7,130.56	63.92	247.20	88.34	-992.81	-5,698.49	5,421.17	5,130.45	290.72	18.647		
9,200.00	7,129.37	7,131.37	7,131.37	66.01	247.23	88.38	-992.81	-5,698.49	5,324.99	5,034.07	290.92	18.304		
9,300.00	7,130.19	7,132.19	7,132.19	68.16	247.26	88.41	-992.81	-5,698.49	5,228.95	4,937.79	291.16	17.959		
9,400.00	7,131.00	7,133.00	7,133.00	70.38	247.29	88.44	-992.81	-5,698.49	5,133.06	4,841.63	291.42	17.614		
9,500.00	7,131.81	7,133.81	7,133.81	72.65	247.32	88.47	-992.81	-5,698.49	5,037.33	4,745.60	291.73	17.267		
9,600.00	7,132.63	7,134.63	7,134.63	74.97	247.35	88.50	-992.81	-5,698.49	4,941.76	4,649.69	292.07	16.920		
9,700.00	7,133.44	7,135.44	7,135.44	77.33	247.37	88.54	-992.81	-5,698.49	4,846.38	4,553.92	292.46	16.571		
9,800.00	7,134.25	7,136.25	7,136.25	79.72	247.40	88.57	-992.81	-5,698.49	4,751.19	4,458.29	292.90	16.221		
9,900.00	7,135.07	7,137.07	7,137.07	82.16	247.43	88.60	-992.81	-5,698.49	4,656.20	4,362.81	293.39	15.870		
10,000.00	7,135.88	7,137.88	7,137.88	84.62	247.46	88.63	-992.81	-5,698.49	4,561.42	4,267.49	293.93	15.519		
10,100.00	7,136.70	7,138.70	7,138.70	87.11	247.49	88.66	-992.81	-5,698.49	4,466.87	4,172.33	294.54	15.166		
10,200.00	7,137.51	7,139.51	7,139.51	89.62	247.52	88.69	-992.81	-5,698.49	4,372.56	4,077.36	295.20	14.812		
10,300.00	7,138.32	7,140.32	7,140.32	92.16	247.55	88.73	-992.81	-5,698.49	4,278.51	3,982.57	295.94	14.457		
10,400.00	7,139.14	7,141.14	7,141.14	94.71	247.57	88.76	-992.81	-5,698.49	4,184.74	3,887.98	296.75	14.102		
10,500.00	7,139.95	7,141.95	7,141.95	97.29	247.60	88.79	-992.81	-5,698.49	4,091.26	3,793.61	297.65	13.745		
10,600.00	7,140.76	7,142.76	7,142.76	99.88	247.63	88.82	-992.81	-5,698.49	3,998.09	3,699.47	298.62	13.388		
10,700.00	7,141.58	7,143.58	7,143.58	102.48	247.66	88.85	-992.81	-5,698.49	3,905.27	3,605.57	299.69	13.031		
10,800.00	7,142.39	7,144.39	7,144.39	105.10	247.69	88.88	-992.81	-5,698.49	3,812.80	3,511.94	300.86	12.673		
10,900.00	7,143.20	7,145.20	7,145.20	107.74	247.72	88.92	-992.81	-5,698.49	3,720.73	3,418.59	302.14	12.315		
11,000.00	7,144.02	7,146.02	7,146.02	110.38	247.74	88.95	-992.81	-5,698.49	3,629.07	3,325.55	303.53	11.956		
11,100.00	7,144.83	7,146.83	7,146.83	113.04	247.77	88.98	-992.81	-5,698.49	3,537.87	3,232.83	305.04	11.598		
11,200.00	7,145.65	7,147.65	7,147.65	115.71	247.80	89.01	-992.81	-5,698.49	3,447.16	3,140.48	306.68	11.240		
11,300.00	7,146.46	7,148.46	7,148.46	118.38	247.83	89.04	-992.81	-5,698.49	3,356.97	3,048.51	308.46	10.883		
11,400.00	7,147.27	7,149.27	7,149.27	121.07	247.86	89.07	-992.81	-5,698.49	3,267.36	2,956.97	310.38	10.527		
11,500.00	7,148.09	7,150.09	7,150.09	123.76	247.89	89.11	-992.81	-5,698.49	3,178.36	2,865.89	312.47	10.172		
11,600.00	7,148.90	7,150.90	7,150.90	126.46	247.91	89.14	-992.81	-5,698.49	3,090.03	2,775.32	314.72	9.819		
11,700.00	7,149.71	7,151.71	7,151.71	129.17	247.94	89.17	-992.81	-5,698.49	3,002.44	2,685.30	317.14	9.467		
11,800.00	7,150.53	7,152.53	7,152.53	131.89	247.97	89.20	-992.81	-5,698.49	2,915.65	2,595.89	319.76	9.118		
11,900.00	7,151.34	7,153.34	7,153.34	134.61	248.00	89.23	-992.81	-5,698.49	2,829.73	2,507.15	322.58	8.772		
12,000.00	7,152.16	7,154.16	7,154.16	137.34	248.03	89.26	-992.81	-5,698.49	2,744.76	2,419.15	325.61	8.429		
12,100.00	7,152.97	7,154.97	7,154.97	140.07	248.06	89.30	-992.81	-5,698.49	2,660.84	2,331.96	328.87	8.091		
12,200.00	7,153.78	7,155.78	7,155.78	142.81	248.09	89.33	-992.81	-5,698.49	2,578.06	2,245.69	332.37	7.757		
12,300.00	7,154.60	7,156.60	7,156.60	145.55	248.11	89.36	-992.81	-5,698.49	2,496.54	2,160.42	336.13	7.427		
12,400.00	7,155.41	7,157.41	7,157.41	148.30	248.14	89.39	-992.81	-5,698.49	2,416.42	2,076.27	340.14	7.104		
12,500.00	7,156.22	7,158.22	7,158.22	151.05	248.17	89.42	-992.81	-5,698.49	2,337.82	1,993.39	344.44	6.787		
12,600.00	7,157.04	7,159.04	7,159.04	153.80	248.20	89.45	-992.81	-5,698.49	2,260.92	1,911.90	349.02	6.478		
12,700.00	7,157.85	7,159.85	7,159.85	156.56	248.23	89.49	-992.81	-5,698.49	2,185.88	1,831.99	353.90	6.177		
12,800.00	7,158.66	7,160.66	7,160.66	159.33	248.26	89.52	-992.81	-5,698.49	2,112.92	1,753.84	359.08	5.884		
12,900.00	7,159.48	7,161.48	7,161.48	162.09	248.28	89.55	-992.81	-5,698.49	2,042.24	1,677.68	364.57	5.602		
13,000.00	7,160.29	7,162.29	7,162.29	164.86	248.31	89.58	-992.81	-5,698.49	1,974.11	1,603.76	370.35	5.330		
13,100.00	7,161.11	7,163.11	7,163.11	167.64	248.34	89.61	-992.81	-5,698.49	1,908.78	1,532.35	376.42	5.071		
13,209.97	7,162.00	7,164.00	7,164.00	170.69	248.37	89.65	-992.81	-5,698.49	1,840.53	1,457.12	383.41	4.800		
13,210.89	7,162.01	7,164.01	7,164.01	170.72	248.37	89.65	-992.81	-5,698.49	1,839.98	1,456.51	383.47	4.798 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	40.00	40.00	3.28	3.35	-76.96	1,636.74	-7,065.48	7,252.58					
100.00	100.00	140.00	140.00	3.28	4.54	-76.96	1,636.74	-7,065.48	7,252.58	7,244.75	7.83	926.644		
200.00	200.00	240.00	240.00	3.34	7.40	-76.96	1,636.74	-7,065.48	7,252.58	7,241.84	10.74	675.500		
300.00	299.98	339.98	339.98	3.44	10.64	131.36	1,636.74	-7,065.48	7,253.73	7,239.65	14.08	515.134		
400.00	399.84	439.84	439.84	3.59	14.00	131.33	1,636.74	-7,065.48	7,257.19	7,239.60	17.59	412.577		
500.00	499.45	539.45	539.45	3.79	17.40	131.30	1,636.74	-7,065.48	7,262.96	7,241.77	21.19	342.764		
600.00	598.70	638.70	638.70	4.04	20.81	131.25	1,636.74	-7,065.48	7,271.03	7,246.19	24.85	292.646		
700.00	697.47	737.47	737.47	4.32	24.22	131.18	1,636.74	-7,065.48	7,281.41	7,252.87	28.54	255.131		
800.00	795.62	835.62	835.62	4.64	27.62	131.10	1,636.74	-7,065.48	7,294.10	7,261.84	32.26	226.116		
900.00	893.06	933.06	933.06	5.01	31.00	131.01	1,636.74	-7,065.48	7,309.09	7,273.10	35.99	203.082		
1,000.00	989.64	1,029.64	1,029.64	5.41	34.36	130.89	1,636.74	-7,065.48	7,326.39	7,286.66	39.73	184.405		
1,100.00	1,085.27	1,125.27	1,125.27	5.85	37.68	130.76	1,636.74	-7,065.48	7,345.99	7,302.52	43.47	168.995		
1,200.00	1,179.82	1,219.82	1,219.82	6.33	40.97	130.60	1,636.74	-7,065.48	7,367.89	7,320.69	47.20	156.094		
1,300.00	1,273.17	1,313.17	1,313.17	6.84	44.22	130.43	1,636.74	-7,065.48	7,392.09	7,341.16	50.92	145.159		
1,404.90	1,369.69	1,409.69	1,409.69	7.43	47.58	130.22	1,636.74	-7,065.48	7,419.93	7,365.12	54.81	135.371		
1,500.00	1,456.50	1,503.50	1,496.50	8.00	50.85	130.43	1,636.74	-7,065.48	7,446.38	7,387.80	58.58	127.122		
1,600.00	1,547.79	1,587.79	1,587.79	8.61	53.78	130.66	1,636.74	-7,065.48	7,474.30	7,412.25	62.05	120.462		
1,700.00	1,639.07	1,679.07	1,679.07	9.23	56.97	130.89	1,636.74	-7,065.48	7,502.34	7,436.56	65.77	114.063		
1,800.00	1,730.36	1,770.36	1,770.36	9.87	60.15	131.11	1,636.74	-7,065.48	7,530.49	7,460.98	69.51	108.337		
1,900.00	1,821.64	1,861.64	1,861.64	10.52	63.33	131.33	1,636.74	-7,065.48	7,558.76	7,485.51	73.26	103.184		
2,000.00	1,912.93	1,952.93	1,952.93	11.18	66.51	131.55	1,636.74	-7,065.48	7,587.15	7,510.14	77.01	98.526		
2,100.00	2,004.21	2,044.21	2,044.21	11.84	69.70	131.77	1,636.74	-7,065.48	7,615.65	7,534.88	80.76	94.296		
2,200.00	2,095.50	2,135.50	2,135.50	12.51	72.88	131.99	1,636.74	-7,065.48	7,644.26	7,559.73	84.52	90.438		
2,300.00	2,186.78	2,226.78	2,226.78	13.19	76.06	132.20	1,636.74	-7,065.48	7,672.98	7,584.69	88.29	86.907		
2,400.00	2,278.06	2,318.06	2,318.06	13.86	79.25	132.42	1,636.74	-7,065.48	7,701.81	7,609.75	92.06	83.663		
2,500.00	2,369.35	2,409.35	2,409.35	14.55	82.43	132.63	1,636.74	-7,065.48	7,730.75	7,634.92	95.83	80.674		
2,600.00	2,460.63	2,500.63	2,500.63	15.23	85.61	132.84	1,636.74	-7,065.48	7,759.80	7,660.20	99.60	77.911		
2,700.00	2,551.92	2,591.92	2,591.92	15.92	88.36	133.05	1,636.74	-7,065.48	7,788.95	7,685.01	103.94	74.940		
2,800.00	2,643.20	2,683.20	2,683.20	16.61	91.98	133.26	1,636.74	-7,065.48	7,818.20	7,711.06	107.15	72.968		
2,900.00	2,734.49	2,774.49	2,774.49	17.30	95.17	133.47	1,636.74	-7,065.48	7,847.56	7,736.64	110.92	70.749		
3,000.00	2,825.77	2,865.77	2,865.77	18.00	98.35	133.68	1,636.74	-7,065.48	7,877.03	7,762.33	114.70	68.677		
3,100.00	2,917.06	2,957.06	2,957.06	18.69	101.54	133.88	1,636.74	-7,065.48	7,906.59	7,788.11	118.47	66.737		
3,200.00	3,008.34	3,048.34	3,048.34	19.39	104.72	134.08	1,636.74	-7,065.48	7,936.25	7,814.00	122.25	64.918		
3,300.00	3,099.63	3,139.63	3,139.63	20.09	107.91	134.29	1,636.74	-7,065.48	7,966.01	7,839.98	126.03	63.209		
3,400.00	3,190.91	3,230.91	3,230.91	20.79	111.09	134.49	1,636.74	-7,065.48	7,995.87	7,866.07	129.80	61.600		
3,500.00	3,282.20	3,322.20	3,322.20	21.49	114.28	134.68	1,636.74	-7,065.48	8,025.83	7,892.25	133.58	60.082		
3,600.00	3,373.48	3,413.48	3,413.48	22.19	117.47	134.88	1,636.74	-7,065.48	8,055.88	7,918.52	137.36	58.649		
3,700.00	3,464.77	3,504.77	3,504.77	22.89	120.65	135.08	1,636.74	-7,065.48	8,086.02	7,944.89	141.13	57.294		
3,800.00	3,556.05	3,596.05	3,596.05	23.60	124.11	135.27	1,636.74	-7,065.48	8,116.26	7,971.08	145.18	55.903		
3,900.00	3,647.34	3,687.34	3,687.34	24.30	127.02	135.47	1,636.74	-7,065.48	8,146.60	7,997.91	148.68	54.791		
4,000.00	3,738.62	3,778.62	3,778.62	25.00	130.21	135.66	1,636.74	-7,065.48	8,177.02	8,024.56	152.46	53.634		
4,100.00	3,829.91	3,869.91	3,869.91	25.71	133.39	135.85	1,636.74	-7,065.48	8,207.53	8,051.30	156.23	52.534		
4,200.00	3,921.19	3,961.19	3,961.19	26.42	136.58	136.04	1,636.74	-7,065.48	8,238.13	8,078.13	160.01	51.486		
4,300.00	4,012.48	4,052.48	4,052.48	27.12	139.77	136.23	1,636.74	-7,065.48	8,268.83	8,105.04	163.78	50.487		
4,400.00	4,103.76	4,143.76	4,143.76	27.83	142.95	136.42	1,636.74	-7,065.48	8,299.60	8,132.05	167.55	49.534		
4,500.00	4,195.05	4,235.05	4,235.05	28.54	146.14	136.60	1,636.74	-7,065.48	8,330.47	8,159.14	171.33	48.623		
4,600.00	4,286.33	4,326.33	4,326.33	29.24	149.32	136.79	1,636.74	-7,065.48	8,361.42	8,186.32	175.10	47.753		
4,700.00	4,377.62	4,417.62	4,417.62	29.95	152.51	136.97	1,636.74	-7,065.48	8,392.45	8,213.58	178.87	46.920		
4,800.00	4,468.90	4,508.90	4,508.90	30.66	155.70	137.15	1,636.74	-7,065.48	8,423.57	8,240.93	182.64	46.121		
4,900.00	4,560.19	4,600.19	4,600.19	31.37	158.88	137.33	1,636.74	-7,065.48	8,454.77	8,268.36	186.41	45.356		
5,000.00	4,651.47	4,708.53	4,691.47	32.08	162.66	137.51	1,636.74	-7,065.48	8,486.06	8,295.28	190.77	44.482		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	4,782.76	4,782.76	32.79	165.25	137.69	1,636.74	-7,065.48	8,517.42	8,323.47	193.95	43.916		
5,200.00	4,834.04	4,874.04	4,874.04	33.50	168.44	137.87	1,636.74	-7,065.48	8,548.86	8,351.15	197.71	43.239		
5,300.00	4,925.33	4,965.33	4,965.33	34.21	171.63	138.04	1,636.74	-7,065.48	8,580.39	8,378.91	201.48	42.587		
5,400.00	5,016.61	5,056.61	5,056.61	34.92	174.81	138.22	1,636.74	-7,065.48	8,611.99	8,406.74	205.25	41.959		
5,500.00	5,107.90	5,147.90	5,147.90	35.63	178.00	138.39	1,636.74	-7,065.48	8,643.66	8,434.65	209.01	41.355		
5,600.00	5,199.18	5,239.18	5,239.18	36.34	181.18	138.56	1,636.74	-7,065.48	8,675.42	8,462.64	212.78	40.772		
5,700.00	5,290.46	5,330.46	5,330.46	37.05	184.37	138.74	1,636.74	-7,065.48	8,707.25	8,490.71	216.54	40.211		
5,800.00	5,381.75	5,421.75	5,421.75	37.76	187.56	138.91	1,636.74	-7,065.48	8,739.15	8,518.85	220.30	39.669		
5,900.00	5,473.03	5,513.03	5,513.03	38.47	190.74	139.07	1,636.74	-7,065.48	8,771.13	8,547.07	224.07	39.145		
6,000.00	5,564.32	5,604.32	5,604.32	39.18	193.93	139.24	1,636.74	-7,065.48	8,803.19	8,575.36	227.83	38.640		
6,100.00	5,655.60	5,704.40	5,695.60	39.90	197.42	139.41	1,636.74	-7,065.48	8,835.31	8,603.41	231.90	38.100		
6,200.00	5,746.89	5,786.89	5,786.89	40.61	200.30	139.57	1,636.74	-7,065.48	8,867.51	8,632.16	235.35	37.678		
6,300.00	5,838.17	5,878.17	5,878.17	41.32	203.49	139.74	1,636.74	-7,065.48	8,899.77	8,660.66	239.11	37.220		
6,400.00	5,929.46	5,969.46	5,969.46	42.03	206.67	139.90	1,636.74	-7,065.48	8,932.11	8,689.24	242.87	36.778		
6,500.00	6,020.74	6,060.74	6,060.74	42.74	209.86	140.06	1,636.74	-7,065.48	8,964.52	8,717.89	246.63	36.348		
6,600.00	6,112.03	6,152.03	6,152.03	43.46	213.05	140.23	1,636.74	-7,065.48	8,996.99	8,746.61	250.38	35.933		
6,700.00	6,203.31	6,243.31	6,243.31	44.17	216.23	140.39	1,636.74	-7,065.48	9,029.54	8,775.39	254.14	35.529		
6,800.00	6,294.60	6,334.60	6,334.60	44.88	219.42	140.54	1,636.74	-7,065.48	9,062.15	8,804.25	257.90	35.138		
6,900.00	6,385.88	6,425.88	6,425.88	45.59	222.61	140.70	1,636.74	-7,065.48	9,094.82	8,833.17	261.65	34.759		
6,927.91	6,411.36	6,451.36	6,451.36	45.79	223.50	140.75	1,636.74	-7,065.48	9,103.95	8,841.25	262.70	34.655		
6,950.00	6,431.59	6,471.59	6,471.59	45.95	224.20	136.39	1,636.74	-7,065.48	9,110.85	8,847.32	263.53	34.572		
7,000.00	6,477.77	6,517.77	6,517.77	46.27	225.81	125.64	1,636.74	-7,065.48	9,124.00	8,858.58	265.42	34.376		
7,050.00	6,524.26	6,564.26	6,564.26	46.56	227.44	114.11	1,636.74	-7,065.48	9,133.68	8,866.37	267.30	34.170		
7,100.00	6,570.76	6,610.76	6,610.76	46.81	229.06	102.65	1,636.74	-7,065.48	9,139.82	8,870.65	269.17	33.956		
7,150.00	6,617.00	6,657.00	6,657.00	47.02	230.67	92.16	1,636.74	-7,065.48	9,142.41	8,871.41	271.00	33.736		
7,200.00	6,662.68	6,702.68	6,702.68	47.20	232.27	83.20	1,636.74	-7,065.48	9,141.43	8,868.66	272.77	33.513		
7,250.00	6,707.53	6,747.53	6,747.53	47.34	233.83	75.91	1,636.74	-7,065.48	9,136.90	8,862.42	274.48	33.288		
7,300.00	6,751.28	6,808.73	6,791.28	47.47	235.97	70.19	1,636.74	-7,065.48	9,128.86	8,852.14	276.72	32.989		
7,350.00	6,793.64	6,833.64	6,833.64	47.57	236.84	65.81	1,636.74	-7,065.48	9,117.37	8,839.70	277.67	32.836		
7,400.00	6,834.35	6,874.35	6,874.35	47.66	238.26	62.55	1,636.74	-7,065.48	9,102.50	8,823.37	279.13	32.610		
7,450.00	6,873.18	6,913.18	6,913.18	47.75	239.62	60.24	1,636.74	-7,065.48	9,084.35	8,803.86	280.50	32.386		
7,500.00	6,909.88	6,949.88	6,949.88	47.83	240.90	58.72	1,636.74	-7,065.48	9,063.05	8,781.28	281.77	32.165		
7,550.00	6,944.21	6,984.21	6,984.21	47.91	242.10	57.91	1,636.74	-7,065.48	9,038.73	8,755.79	282.94	31.945		
7,600.00	6,975.98	7,015.98	7,015.98	47.99	243.20	57.75	1,636.74	-7,065.48	9,011.54	8,727.53	284.01	31.730		
7,650.00	7,004.98	7,044.98	7,044.98	48.09	244.22	58.22	1,636.74	-7,065.48	8,981.65	8,696.68	284.97	31.517		
7,700.00	7,031.04	7,071.04	7,071.04	48.20	245.13	59.31	1,636.74	-7,065.48	8,949.26	8,663.43	285.83	31.309		
7,750.00	7,053.99	7,106.01	7,093.99	48.32	246.35	61.05	1,636.74	-7,065.48	8,914.55	8,627.55	287.00	31.061		
7,800.00	7,073.70	7,113.70	7,113.70	48.46	246.62	63.50	1,636.74	-7,065.48	8,877.75	8,590.52	287.23	30.908		
7,850.00	7,090.03	7,130.03	7,130.03	48.62	247.19	66.74	1,636.74	-7,065.48	8,839.08	8,551.30	287.77	30.715		
7,900.00	7,102.90	7,142.90	7,142.90	48.81	247.64	70.87	1,636.74	-7,065.48	8,798.76	8,510.55	288.21	30.529		
7,950.00	7,112.22	7,152.22	7,152.22	49.02	247.96	75.99	1,636.74	-7,065.48	8,757.05	8,468.52	288.54	30.350		
8,000.00	7,117.94	7,157.94	7,157.94	49.26	248.16	82.19	1,636.74	-7,065.48	8,714.20	8,425.44	288.76	30.178		
8,047.82	7,120.00	7,160.00	7,160.00	49.51	248.23	89.13	1,636.74	-7,065.48	8,672.38	8,383.50	288.88	30.021		
8,100.00	7,120.42	7,160.42	7,160.42	49.82	248.25	89.14	1,636.74	-7,065.48	8,626.42	8,337.46	288.96	29.854		
8,200.00	7,121.24	7,161.24	7,161.24	50.53	248.28	89.15	1,636.74	-7,065.48	8,538.54	8,249.39	289.15	29.530		
8,300.00	7,122.05	7,162.05	7,162.05	51.39	248.30	89.16	1,636.74	-7,065.48	8,450.93	8,161.53	289.40	29.201		
8,400.00	7,122.86	7,162.86	7,162.86	52.42	248.33	89.17	1,636.74	-7,065.48	8,363.60	8,073.88	289.71	28.868		
8,500.00	7,123.68	7,163.68	7,163.68	53.63	248.36	89.18	1,636.74	-7,065.48	8,276.55	7,986.46	290.09	28.531		
8,600.00	7,124.49	7,164.49	7,164.49	55.01	248.39	89.19	1,636.74	-7,065.48	8,189.80	7,899.27	290.53	28.189		
8,700.00	7,125.30	7,165.30	7,165.30	56.54	248.42	89.20	1,636.74	-7,065.48	8,103.36	7,812.32	291.05	27.842		

CC - Min centre 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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,800.00	7,126.12	7,166.12	7,166.12	58.21	248.45	89.22	1,636.74	-7,065.48	8,017.23	7,725.61	291.63	27.491		
8,900.00	7,126.93	7,166.93	7,166.93	60.01	248.47	89.23	1,636.74	-7,065.48	7,931.43	7,639.15	292.28	27.137		
9,000.00	7,127.75	7,167.75	7,167.75	61.92	248.50	89.24	1,636.74	-7,065.48	7,845.96	7,552.96	293.00	26.778		
9,100.00	7,128.56	7,168.56	7,168.56	63.92	248.53	89.25	1,636.74	-7,065.48	7,760.84	7,467.04	293.80	26.415		
9,200.00	7,129.37	7,169.37	7,169.37	66.01	248.56	89.26	1,636.74	-7,065.48	7,676.08	7,381.40	294.68	26.049		
9,300.00	7,130.19	7,170.19	7,170.19	68.16	248.59	89.27	1,636.74	-7,065.48	7,591.69	7,296.06	295.63	25.679		
9,400.00	7,131.00	7,171.00	7,171.00	70.38	248.62	89.28	1,636.74	-7,065.48	7,507.68	7,211.02	296.66	25.307		
9,500.00	7,131.81	7,171.81	7,171.81	72.65	248.64	89.30	1,636.74	-7,065.48	7,424.07	7,126.30	297.77	24.932		
9,600.00	7,132.63	7,172.63	7,172.63	74.97	248.67	89.31	1,636.74	-7,065.48	7,340.87	7,041.92	298.96	24.555		
9,700.00	7,133.44	7,173.44	7,173.44	77.33	248.70	89.32	1,636.74	-7,065.48	7,258.10	6,957.88	300.22	24.176		
9,800.00	7,134.25	7,174.25	7,174.25	79.72	248.73	89.33	1,636.74	-7,065.48	7,175.76	6,874.19	301.56	23.795		
9,900.00	7,135.07	7,175.07	7,175.07	82.16	248.76	89.34	1,636.74	-7,065.48	7,093.87	6,790.89	302.98	23.413		
10,000.00	7,135.88	7,175.88	7,175.88	84.62	248.79	89.35	1,636.74	-7,065.48	7,012.46	6,707.97	304.49	23.030		
10,100.00	7,136.70	7,176.70	7,176.70	87.11	248.82	89.36	1,636.74	-7,065.48	6,931.53	6,625.46	306.07	22.647		
10,200.00	7,137.51	7,177.51	7,177.51	89.62	248.84	89.37	1,636.74	-7,065.48	6,851.11	6,543.38	307.73	22.264		
10,300.00	7,138.32	7,178.32	7,178.32	92.16	248.87	89.39	1,636.74	-7,065.48	6,771.20	6,461.74	309.46	21.880		
10,400.00	7,139.14	7,179.14	7,179.14	94.71	248.90	89.40	1,636.74	-7,065.48	6,691.84	6,380.56	311.28	21.498		
10,500.00	7,139.95	7,179.95	7,179.95	97.29	248.93	89.41	1,636.74	-7,065.48	6,613.04	6,299.86	313.18	21.116		
10,600.00	7,140.76	7,180.76	7,180.76	99.88	248.96	89.42	1,636.74	-7,065.48	6,534.81	6,219.66	315.16	20.735		
10,700.00	7,141.58	7,181.58	7,181.58	102.48	248.99	89.43	1,636.74	-7,065.48	6,457.19	6,139.98	317.21	20.356		
10,800.00	7,142.39	7,182.39	7,182.39	105.10	249.01	89.44	1,636.74	-7,065.48	6,380.19	6,060.85	319.34	19.979		
10,900.00	7,143.20	7,183.20	7,183.20	107.74	249.04	89.45	1,636.74	-7,065.48	6,303.84	5,982.28	321.56	19.604		
11,000.00	7,144.02	7,184.02	7,184.02	110.38	249.07	89.47	1,636.74	-7,065.48	6,228.15	5,904.30	323.85	19.232		
11,100.00	7,144.83	7,184.83	7,184.83	113.04	249.10	89.48	1,636.74	-7,065.48	6,153.16	5,826.94	326.22	18.862		
11,200.00	7,145.65	7,185.65	7,185.65	115.71	249.13	89.49	1,636.74	-7,065.48	6,078.89	5,750.22	328.67	18.495		
11,300.00	7,146.46	7,186.46	7,186.46	118.38	249.16	89.50	1,636.74	-7,065.48	6,005.37	5,674.17	331.20	18.132		
11,400.00	7,147.27	7,187.27	7,187.27	121.07	249.18	89.51	1,636.74	-7,065.48	5,932.62	5,598.81	333.81	17.772		
11,500.00	7,148.09	7,188.09	7,188.09	123.76	249.21	89.52	1,636.74	-7,065.48	5,860.67	5,524.18	336.50	17.417		
11,600.00	7,148.90	7,188.90	7,188.90	126.46	249.24	89.53	1,636.74	-7,065.48	5,789.56	5,450.30	339.26	17.065		
11,700.00	7,149.71	7,189.71	7,189.71	129.17	249.27	89.55	1,636.74	-7,065.48	5,719.31	5,377.20	342.11	16.718		
11,800.00	7,150.53	7,190.53	7,190.53	131.89	249.29	89.56	1,636.74	-7,065.48	5,649.96	5,304.27	345.69	16.344		
11,900.00	7,151.34	7,191.34	7,191.34	134.61	249.33	89.57	1,636.74	-7,065.48	5,581.54	5,232.90	348.64	16.010		
12,000.00	7,152.16	7,192.16	7,192.16	137.34	249.36	89.58	1,636.74	-7,065.48	5,514.08	5,162.42	351.66	15.680		
12,100.00	7,152.97	7,192.97	7,192.97	140.07	249.37	89.59	1,636.74	-7,065.48	5,447.62	5,092.86	354.76	15.356		
12,200.00	7,153.78	7,193.78	7,193.78	142.81	249.38	89.60	1,636.74	-7,065.48	5,382.20	5,024.27	357.93	15.037		
12,300.00	7,154.60	7,194.60	7,194.60	145.55	249.39	89.61	1,636.74	-7,065.48	5,317.86	4,956.67	361.19	14.723		
12,400.00	7,155.41	7,195.41	7,195.41	148.30	249.40	89.63	1,636.74	-7,065.48	5,254.63	4,890.12	364.51	14.416		
12,500.00	7,156.22	7,196.22	7,196.22	151.05	249.41	89.64	1,636.74	-7,065.48	5,192.55	4,824.65	367.91	14.114		
12,600.00	7,157.04	7,197.04	7,197.04	153.80	249.42	89.65	1,636.74	-7,065.48	5,131.68	4,760.30	371.38	13.818		
12,700.00	7,157.85	7,197.85	7,197.85	156.56	249.43	89.66	1,636.74	-7,065.48	5,072.04	4,697.13	374.92	13.528		
12,800.00	7,158.66	7,198.66	7,198.66	159.33	249.44	89.67	1,636.74	-7,065.48	5,013.69	4,635.17	378.52	13.245		
12,900.00	7,159.48	7,199.48	7,199.48	162.09	249.45	89.68	1,636.74	-7,065.48	4,956.68	4,574.48	382.19	12.969		
13,000.00	7,160.29	7,200.29	7,200.29	164.86	249.46	89.69	1,636.74	-7,065.48	4,901.03	4,515.09	385.95	12.699		
13,100.00	7,161.11	7,201.11	7,201.11	167.64	249.47	89.70	1,636.74	-7,065.48	4,846.82	4,457.02	389.79	12.434		
13,209.97	7,162.00	7,202.00	7,202.00	170.69	249.70	89.72	1,636.74	-7,065.48	4,788.90	4,394.81	394.09	12.152		
13,210.89	7,162.01	7,202.01	7,202.01	170.72	249.70	89.72	1,636.74	-7,065.48	4,788.42	4,394.29	394.13	12.149	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-75.84	1,443.31	-5,722.39	5,901.60					
100.00	100.00	130.00	130.00	3.28	4.31	-75.84	1,443.31	-5,722.39	5,901.60	5,894.01	7.59	777.283		
200.00	200.00	230.00	230.00	3.34	7.09	-75.84	1,443.31	-5,722.39	5,901.60	5,891.18	10.43	566.081		
300.00	299.98	329.98	329.98	3.44	10.31	132.47	1,443.31	-5,722.39	5,902.78	5,889.03	13.75	429.302		
400.00	399.84	429.84	429.84	3.59	13.66	132.46	1,443.31	-5,722.39	5,906.32	5,889.07	17.25	342.379		
500.00	499.45	529.45	529.45	3.79	17.06	132.43	1,443.31	-5,722.39	5,912.21	5,891.37	20.85	283.603		
600.00	598.70	628.70	628.70	4.04	20.47	132.40	1,443.31	-5,722.39	5,920.47	5,895.97	24.50	241.639		
700.00	697.47	727.47	727.47	4.32	23.88	132.35	1,443.31	-5,722.39	5,931.08	5,902.89	28.19	210.367		
800.00	795.62	825.62	825.62	4.64	27.27	132.29	1,443.31	-5,722.39	5,944.06	5,912.15	31.91	186.269		
900.00	893.06	923.06	923.06	5.01	30.65	132.22	1,443.31	-5,722.39	5,959.40	5,923.76	35.64	167.198		
1,000.00	989.64	1,019.64	1,019.64	5.41	34.01	132.13	1,443.31	-5,722.39	5,977.11	5,937.73	39.38	151.778		
1,100.00	1,085.27	1,115.27	1,115.27	5.85	37.33	132.03	1,443.31	-5,722.39	5,997.18	5,954.06	43.12	139.089		
1,200.00	1,179.82	1,209.82	1,209.82	6.33	40.62	131.91	1,443.31	-5,722.39	6,019.62	5,972.77	46.85	128.491		
1,300.00	1,273.17	1,303.17	1,303.17	6.84	43.87	131.78	1,443.31	-5,722.39	6,044.43	5,993.86	50.57	119.531		
1,404.90	1,369.69	1,400.31	1,399.69	7.43	47.25	131.61	1,443.31	-5,722.39	6,073.00	6,018.52	54.47	111.485		
1,500.00	1,456.50	1,486.50	1,486.50	8.00	50.26	131.87	1,443.31	-5,722.39	6,100.14	6,042.17	57.97	105.232		
1,600.00	1,547.79	1,577.79	1,577.79	8.61	53.44	132.14	1,443.31	-5,722.39	6,128.81	6,067.13	61.68	99.369		
1,700.00	1,639.07	1,669.07	1,669.07	9.23	56.62	132.41	1,443.31	-5,722.39	6,157.62	6,092.22	65.40	94.156		
1,800.00	1,730.36	1,760.36	1,760.36	9.87	59.80	132.67	1,443.31	-5,722.39	6,186.57	6,117.44	69.13	89.493		
1,900.00	1,821.64	1,851.64	1,851.64	10.52	62.98	132.94	1,443.31	-5,722.39	6,215.65	6,142.78	72.87	85.301		
2,000.00	1,912.93	1,942.93	1,942.93	11.18	66.16	133.20	1,443.31	-5,722.39	6,244.86	6,168.25	76.61	81.512		
2,100.00	2,004.21	2,034.21	2,034.21	11.84	69.35	133.46	1,443.31	-5,722.39	6,274.20	6,193.84	80.36	78.074		
2,200.00	2,095.50	2,125.50	2,125.50	12.51	72.53	133.72	1,443.31	-5,722.39	6,303.67	6,219.56	84.12	74.940		
2,300.00	2,186.78	2,216.78	2,216.78	13.19	75.71	133.97	1,443.31	-5,722.39	6,333.27	6,245.39	87.87	72.072		
2,400.00	2,278.06	2,308.06	2,308.06	13.86	78.90	134.23	1,443.31	-5,722.39	6,362.99	6,271.35	91.63	69.439		
2,500.00	2,369.35	2,400.65	2,399.35	14.55	82.13	134.48	1,443.31	-5,722.39	6,392.83	6,297.39	95.44	66.982		
2,600.00	2,460.63	2,509.37	2,490.63	15.23	85.92	134.73	1,443.31	-5,722.39	6,422.79	6,322.98	99.81	64.348		
2,700.00	2,551.92	2,581.92	2,581.92	15.92	88.45	134.97	1,443.31	-5,722.39	6,452.88	6,349.95	102.92	62.695		
2,800.00	2,643.20	2,673.20	2,673.20	16.61	91.63	135.22	1,443.31	-5,722.39	6,483.08	6,376.39	106.69	60.765		
2,900.00	2,734.49	2,764.49	2,764.49	17.30	94.82	135.46	1,443.31	-5,722.39	6,513.39	6,402.94	110.46	58.968		
3,000.00	2,825.77	2,855.77	2,855.77	18.00	98.00	135.70	1,443.31	-5,722.39	6,543.82	6,429.60	114.22	57.290		
3,100.00	2,917.06	2,947.06	2,947.06	18.69	101.19	135.94	1,443.31	-5,722.39	6,574.37	6,456.38	117.99	55.719		
3,200.00	3,008.34	3,038.34	3,038.34	19.39	104.37	136.17	1,443.31	-5,722.39	6,605.02	6,483.26	121.76	54.247		
3,300.00	3,099.63	3,129.63	3,129.63	20.09	107.56	136.41	1,443.31	-5,722.39	6,635.79	6,510.26	125.53	52.864		
3,400.00	3,190.91	3,220.91	3,220.91	20.79	110.75	136.64	1,443.31	-5,722.39	6,666.66	6,537.37	129.29	51.563		
3,500.00	3,282.20	3,312.20	3,312.20	21.49	113.93	136.87	1,443.31	-5,722.39	6,697.64	6,564.58	133.06	50.336		
3,600.00	3,373.48	3,403.48	3,403.48	22.19	117.12	137.10	1,443.31	-5,722.39	6,728.72	6,591.90	136.83	49.177		
3,700.00	3,464.77	3,505.23	3,494.77	22.89	120.67	137.33	1,443.31	-5,722.39	6,759.91	6,618.95	140.96	47.957		
3,800.00	3,556.05	3,586.05	3,586.05	23.60	123.49	137.55	1,443.31	-5,722.39	6,791.20	6,646.84	144.36	47.045		
3,900.00	3,647.34	3,677.34	3,677.34	24.30	126.67	137.77	1,443.31	-5,722.39	6,822.59	6,674.47	148.12	46.061		
4,000.00	3,738.62	3,768.62	3,768.62	25.00	129.86	137.99	1,443.31	-5,722.39	6,854.08	6,702.19	151.89	45.126		
4,100.00	3,829.91	3,859.91	3,859.91	25.71	133.04	138.21	1,443.31	-5,722.39	6,885.67	6,730.02	155.65	44.238		
4,200.00	3,921.19	3,951.19	3,951.19	26.42	136.23	138.43	1,443.31	-5,722.39	6,917.35	6,757.94	159.41	43.393		
4,300.00	4,012.48	4,042.48	4,042.48	27.12	139.42	138.64	1,443.31	-5,722.39	6,949.13	6,785.96	163.18	42.587		
4,400.00	4,103.76	4,133.76	4,133.76	27.83	142.60	138.86	1,443.31	-5,722.39	6,981.01	6,814.07	166.94	41.818		
4,500.00	4,195.05	4,225.05	4,225.05	28.54	145.79	139.07	1,443.31	-5,722.39	7,012.97	6,842.28	170.70	41.084		
4,600.00	4,286.33	4,316.33	4,316.33	29.24	148.97	139.28	1,443.31	-5,722.39	7,045.03	6,870.57	174.46	40.382		
4,700.00	4,377.62	4,407.62	4,407.62	29.95	152.16	139.49	1,443.31	-5,722.39	7,077.18	6,898.96	178.22	39.711		
4,800.00	4,468.90	4,501.10	4,498.90	30.66	155.42	139.69	1,443.31	-5,722.39	7,109.42	6,927.37	182.05	39.051		
4,900.00	4,560.19	4,609.81	4,590.19	31.37	159.22	139.90	1,443.31	-5,722.39	7,141.75	6,955.33	186.42	38.310		
5,000.00	4,651.47	4,681.47	4,681.47	32.08	161.72	140.10	1,443.31	-5,722.39	7,174.16	6,984.67	189.49	37.860		

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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.00	4,742.76	4,772.76	4,772.76	32.79	164.90	140.30	1,443.31	-5,722.39	7,206.66	7,013.41	193.25	37.292		
5,200.00	4,834.04	4,864.04	4,864.04	33.50	168.09	140.50	1,443.31	-5,722.39	7,239.24	7,042.24	197.01	36.746		
5,300.00	4,925.33	4,955.33	4,955.33	34.21	171.28	140.70	1,443.31	-5,722.39	7,271.91	7,071.15	200.76	36.222		
5,400.00	5,016.61	5,046.61	5,046.61	34.92	174.46	140.89	1,443.31	-5,722.39	7,304.66	7,100.14	204.52	35.717		
5,500.00	5,107.90	5,137.90	5,137.90	35.63	177.65	141.09	1,443.31	-5,722.39	7,337.49	7,129.22	208.27	35.231		
5,600.00	5,199.18	5,229.18	5,229.18	36.34	180.84	141.28	1,443.31	-5,722.39	7,370.39	7,158.37	212.02	34.762		
5,700.00	5,290.46	5,320.46	5,320.46	37.05	184.02	141.47	1,443.31	-5,722.39	7,403.38	7,187.61	215.77	34.311		
5,800.00	5,381.75	5,411.75	5,411.75	37.76	187.21	141.66	1,443.31	-5,722.39	7,436.45	7,216.92	219.53	33.875		
5,900.00	5,473.03	5,503.03	5,503.03	38.47	190.39	141.85	1,443.31	-5,722.39	7,469.59	7,246.32	223.28	33.455		
6,000.00	5,564.32	5,594.32	5,594.32	39.18	193.98	142.04	1,443.31	-5,722.39	7,502.81	7,275.39	227.42	32.991		
6,100.00	5,655.60	5,685.60	5,685.60	39.90	196.77	142.22	1,443.31	-5,722.39	7,536.10	7,305.33	230.77	32.656		
6,200.00	5,746.89	5,776.89	5,776.89	40.61	199.95	142.40	1,443.31	-5,722.39	7,569.47	7,334.95	234.52	32.276		
6,300.00	5,838.17	5,868.17	5,868.17	41.32	203.14	142.59	1,443.31	-5,722.39	7,602.91	7,364.64	238.27	31.909		
6,400.00	5,929.46	5,959.46	5,959.46	42.03	206.33	142.77	1,443.31	-5,722.39	7,636.42	7,394.40	242.02	31.553		
6,500.00	6,020.74	6,050.74	6,050.74	42.74	209.51	142.95	1,443.31	-5,722.39	7,670.01	7,424.24	245.76	31.209		
6,600.00	6,112.03	6,142.03	6,142.03	43.46	212.70	143.12	1,443.31	-5,722.39	7,703.66	7,454.15	249.51	30.875		
6,700.00	6,203.31	6,233.31	6,233.31	44.17	215.88	143.30	1,443.31	-5,722.39	7,737.38	7,484.12	253.26	30.552		
6,800.00	6,294.60	6,324.60	6,324.60	44.88	219.07	143.47	1,443.31	-5,722.39	7,771.17	7,514.17	257.00	30.238		
6,900.00	6,385.88	6,415.88	6,415.88	45.59	222.26	143.65	1,443.31	-5,722.39	7,805.03	7,544.28	260.74	29.934		
6,927.91	6,411.36	6,441.36	6,441.36	45.79	223.15	143.69	1,443.31	-5,722.39	7,814.49	7,552.70	261.79	29.850		
6,950.00	6,431.59	6,461.59	6,461.59	45.95	223.85	139.30	1,443.31	-5,722.39	7,821.66	7,559.04	262.62	29.784		
7,000.00	6,477.77	6,507.77	6,507.77	46.27	225.47	128.47	1,443.31	-5,722.39	7,835.49	7,570.99	264.50	29.624		
7,050.00	6,524.26	6,554.26	6,554.26	46.56	227.09	116.88	1,443.31	-5,722.39	7,845.94	7,579.56	266.38	29.454		
7,100.00	6,570.76	6,600.76	6,600.76	46.81	228.71	105.38	1,443.31	-5,722.39	7,852.95	7,584.71	268.24	29.276		
7,150.00	6,617.00	6,647.00	6,647.00	47.02	230.33	94.86	1,443.31	-5,722.39	7,856.49	7,586.43	270.06	29.091		
7,200.00	6,662.68	6,692.68	6,692.68	47.20	232.43	85.88	1,443.31	-5,722.39	7,856.56	7,584.21	272.34	28.848		
7,250.00	6,707.53	6,737.53	6,737.53	47.34	233.49	78.58	1,443.31	-5,722.39	7,853.15	7,579.61	273.54	28.709		
7,300.00	6,751.28	6,781.28	6,781.28	47.47	235.01	72.86	1,443.31	-5,722.39	7,846.31	7,571.14	275.17	28.514		
7,350.00	6,793.64	6,823.64	6,823.64	47.57	236.49	68.50	1,443.31	-5,722.39	7,836.09	7,559.36	276.73	28.317		
7,400.00	6,834.35	6,864.35	6,864.35	47.66	237.91	65.26	1,443.31	-5,722.39	7,822.57	7,544.38	278.19	28.120		
7,450.00	6,873.18	6,903.18	6,903.18	47.75	239.27	62.97	1,443.31	-5,722.39	7,805.83	7,526.27	279.56	27.922		
7,500.00	6,909.88	6,939.88	6,939.88	47.83	240.55	61.49	1,443.31	-5,722.39	7,785.99	7,505.16	280.83	27.725		
7,550.00	6,944.21	6,974.21	6,974.21	47.91	241.75	60.71	1,443.31	-5,722.39	7,763.19	7,481.18	282.00	27.529		
7,600.00	6,975.98	7,005.98	7,005.98	47.99	242.86	60.58	1,443.31	-5,722.39	7,737.56	7,454.49	283.07	27.334		
7,650.00	7,004.98	7,034.98	7,034.98	48.09	243.87	61.05	1,443.31	-5,722.39	7,709.28	7,425.24	284.04	27.141		
7,700.00	7,031.04	7,061.04	7,061.04	48.20	244.78	62.14	1,443.31	-5,722.39	7,678.52	7,393.62	284.90	26.951		
7,750.00	7,053.99	7,083.99	7,083.99	48.32	245.58	63.84	1,443.31	-5,722.39	7,645.47	7,359.81	285.66	26.764		
7,800.00	7,073.70	7,103.70	7,103.70	48.46	246.27	66.19	1,443.31	-5,722.39	7,610.34	7,324.02	286.32	26.580		
7,850.00	7,090.03	7,120.03	7,120.03	48.62	246.84	69.25	1,443.31	-5,722.39	7,573.35	7,286.47	286.88	26.399		
7,900.00	7,102.90	7,132.90	7,132.90	48.81	247.29	73.07	1,443.31	-5,722.39	7,534.71	7,247.38	287.33	26.223		
7,950.00	7,112.22	7,142.22	7,142.22	49.02	247.61	77.70	1,443.31	-5,722.39	7,494.66	7,206.98	287.68	26.052		
8,000.00	7,117.94	7,147.94	7,147.94	49.26	247.81	83.20	1,443.31	-5,722.39	7,453.43	7,165.51	287.93	25.887		
8,047.82	7,120.00	7,150.00	7,150.00	49.51	247.88	89.25	1,443.31	-5,722.39	7,413.14	7,125.07	288.07	25.734		
8,100.00	7,120.42	7,150.42	7,150.42	49.82	247.90	89.25	1,443.31	-5,722.39	7,368.84	7,080.66	288.18	25.570		
8,200.00	7,121.24	7,151.24	7,151.24	50.53	247.93	89.27	1,443.31	-5,722.39	7,284.24	6,995.79	288.45	25.253		
8,300.00	7,122.05	7,152.05	7,152.05	51.39	247.95	89.28	1,443.31	-5,722.39	7,200.03	6,911.24	288.79	24.932		
8,400.00	7,122.86	7,152.86	7,152.86	52.42	247.98	89.29	1,443.31	-5,722.39	7,116.22	6,827.01	289.21	24.606		
8,500.00	7,123.68	7,153.68	7,153.68	53.63	248.01	89.30	1,443.31	-5,722.39	7,032.85	6,743.13	289.72	24.275		
8,600.00	7,124.49	7,154.49	7,154.49	55.01	248.04	89.31	1,443.31	-5,722.39	6,949.91	6,659.60	290.31	23.940		
8,700.00	7,125.30	7,155.30	7,155.30	56.54	248.07	89.33	1,443.31	-5,722.39	6,867.42	6,576.43	290.99	23.600		

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-14C-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-14C-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	
8,800.00	7,126.12	7,156.12	7,156.12	58.21	248.10	89.34	1,443.31	-5,722.39	6,785.41	6,493.65	291.76	23.257	
8,900.00	7,126.93	7,156.93	7,156.93	60.01	248.13	89.35	1,443.31	-5,722.39	6,703.88	6,411.26	292.62	22.910	
9,000.00	7,127.75	7,157.75	7,157.75	61.92	248.15	89.36	1,443.31	-5,722.39	6,622.86	6,329.28	293.58	22.559	
9,100.00	7,128.56	7,158.56	7,158.56	63.92	248.18	89.37	1,443.31	-5,722.39	6,542.36	6,247.74	294.63	22.206	
9,200.00	7,129.37	7,159.37	7,159.37	66.01	248.21	89.39	1,443.31	-5,722.39	6,462.41	6,166.64	295.77	21.849	
9,300.00	7,130.19	7,160.19	7,160.19	68.16	248.24	89.40	1,443.31	-5,722.39	6,383.03	6,086.02	297.01	21.491	
9,400.00	7,131.00	7,161.00	7,161.00	70.38	248.27	89.41	1,443.31	-5,722.39	6,304.23	6,005.88	298.35	21.130	
9,500.00	7,131.81	7,161.81	7,161.81	72.65	248.30	89.42	1,443.31	-5,722.39	6,226.04	5,926.26	299.78	20.768	
9,600.00	7,132.63	7,162.63	7,162.63	74.97	248.32	89.43	1,443.31	-5,722.39	6,148.48	5,847.17	301.32	20.405	
9,700.00	7,133.44	7,163.44	7,163.44	77.33	248.35	89.45	1,443.31	-5,722.39	6,071.58	5,768.64	302.94	20.042	
9,800.00	7,134.25	7,164.25	7,164.25	79.72	248.38	89.46	1,443.31	-5,722.39	5,995.36	5,690.70	304.66	19.679	
9,900.00	7,135.07	7,165.07	7,165.07	82.16	248.41	89.47	1,443.31	-5,722.39	5,919.85	5,613.36	306.48	19.315	
10,000.00	7,135.88	7,165.88	7,165.88	84.62	248.44	89.48	1,443.31	-5,722.39	5,845.07	5,536.67	308.40	18.953	
10,100.00	7,136.70	7,166.70	7,166.70	87.11	248.47	89.49	1,443.31	-5,722.39	5,771.06	5,460.65	310.40	18.592	
10,200.00	7,137.51	7,167.51	7,167.51	89.62	248.49	89.50	1,443.31	-5,722.39	5,697.84	5,385.33	312.51	18.233	
10,300.00	7,138.32	7,168.32	7,168.32	92.16	248.52	89.52	1,443.31	-5,722.39	5,625.44	5,310.74	314.70	17.876	
10,400.00	7,139.14	7,169.14	7,169.14	94.71	248.55	89.53	1,443.31	-5,722.39	5,553.90	5,236.92	316.99	17.521	
10,500.00	7,139.95	7,169.95	7,169.95	97.29	248.58	89.54	1,443.31	-5,722.39	5,483.26	5,163.89	319.37	17.169	
10,600.00	7,140.76	7,170.76	7,170.76	99.88	248.61	89.55	1,443.31	-5,722.39	5,413.53	5,091.70	321.84	16.821	
10,700.00	7,141.58	7,171.58	7,171.58	102.48	248.64	89.56	1,443.31	-5,722.39	5,344.77	5,020.38	324.40	16.476	
10,800.00	7,142.39	7,172.39	7,172.39	105.10	248.66	89.58	1,443.31	-5,722.39	5,277.01	4,949.96	327.05	16.135	
10,900.00	7,143.20	7,173.20	7,173.20	107.74	248.69	89.59	1,443.31	-5,722.39	5,210.29	4,880.50	329.78	15.799	
11,000.00	7,144.02	7,174.02	7,174.02	110.38	248.72	89.60	1,443.31	-5,722.39	5,144.64	4,812.03	332.61	15.468	
11,100.00	7,144.83	7,174.83	7,174.83	113.04	248.75	89.61	1,443.31	-5,722.39	5,080.11	4,744.60	335.52	15.141	
11,200.00	7,145.65	7,175.65	7,175.65	115.71	248.78	89.62	1,443.31	-5,722.39	5,016.75	4,678.24	338.51	14.820	
11,300.00	7,146.46	7,176.46	7,176.46	118.38	248.81	89.64	1,443.31	-5,722.39	4,954.60	4,613.01	341.59	14.505	
11,400.00	7,147.27	7,177.27	7,177.27	121.07	248.84	89.65	1,443.31	-5,722.39	4,893.70	4,548.95	344.75	14.195	
11,500.00	7,148.09	7,178.09	7,178.09	123.76	248.86	89.66	1,443.31	-5,722.39	4,834.10	4,486.11	347.98	13.892	
11,600.00	7,148.90	7,178.90	7,178.90	126.46	248.89	89.67	1,443.31	-5,722.39	4,775.85	4,424.55	351.30	13.595	
11,700.00	7,149.71	7,179.71	7,179.71	129.17	248.92	89.68	1,443.31	-5,722.39	4,719.00	4,364.32	354.68	13.305	
11,800.00	7,150.53	7,180.53	7,180.53	131.89	248.95	89.70	1,443.31	-5,722.39	4,663.60	4,305.46	358.14	13.022	
11,900.00	7,151.34	7,181.34	7,181.34	134.61	248.98	89.71	1,443.31	-5,722.39	4,609.71	4,248.04	361.67	12.746	
12,000.00	7,152.16	7,182.16	7,182.16	137.34	249.01	89.72	1,443.31	-5,722.39	4,557.37	4,192.12	365.25	12.477	
12,100.00	7,152.97	7,182.97	7,182.97	140.07	249.03	89.73	1,443.31	-5,722.39	4,506.65	4,137.74	368.90	12.216	
12,200.00	7,153.78	7,183.78	7,183.78	142.81	249.06	89.74	1,443.31	-5,722.39	4,457.59	4,084.98	372.61	11.963	
12,300.00	7,154.60	7,184.60	7,184.60	145.55	249.09	89.76	1,443.31	-5,722.39	4,410.25	4,033.89	376.36	11.718	
12,400.00	7,155.41	7,185.41	7,185.41	148.30	249.12	89.77	1,443.31	-5,722.39	4,364.69	3,984.53	380.16	11.481	
12,500.00	7,156.22	7,186.22	7,186.22	151.05	249.15	89.78	1,443.31	-5,722.39	4,320.97	3,936.97	384.00	11.253	
12,600.00	7,157.04	7,187.04	7,187.04	153.80	249.18	89.79	1,443.31	-5,722.39	4,279.13	3,891.26	387.87	11.032	
12,700.00	7,157.85	7,187.85	7,187.85	156.56	249.20	89.80	1,443.31	-5,722.39	4,239.24	3,847.48	391.76	10.821	
12,800.00	7,158.66	7,188.66	7,188.66	159.33	249.23	89.82	1,443.31	-5,722.39	4,201.36	3,805.68	395.68	10.618	
12,900.00	7,159.48	7,189.48	7,189.48	162.09	249.26	89.83	1,443.31	-5,722.39	4,165.53	3,765.93	399.60	10.424	
13,000.00	7,160.29	7,209.71	7,190.29	164.86	249.97	89.84	1,443.31	-5,722.39	4,131.81	3,727.60	404.20	10.222	
13,100.00	7,161.11	7,208.89	7,191.11	167.64	249.94	89.85	1,443.31	-5,722.39	4,100.25	3,692.18	408.07	10.048	
13,209.97	7,162.00	7,208.00	7,192.00	170.69	249.91	89.86	1,443.31	-5,722.39	4,068.10	3,655.80	412.30	9.867	
13,210.89	7,162.01	7,207.99	7,192.01	170.72	249.91	89.86	1,443.31	-5,722.39	4,067.84	3,655.51	412.33	9.865 CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-86.88	238.27	-4,370.29	4,376.78					
100.00	100.00	123.00	123.00	3.28	4.15	-86.88	238.27	-4,370.29	4,376.78	4,369.34	7.44	588.407		
200.00	200.00	223.00	223.00	3.34	6.87	-86.88	238.27	-4,370.29	4,376.78	4,366.57	10.21	428.690		
300.00	299.98	322.98	322.98	3.44	10.08	121.44	238.27	-4,370.29	4,377.69	4,364.17	13.52	323.836		
400.00	399.84	422.84	422.84	3.59	13.42	121.46	238.27	-4,370.29	4,380.42	4,363.41	17.01	257.473		
500.00	499.45	522.45	522.45	3.79	16.82	121.48	238.27	-4,370.29	4,384.99	4,364.38	20.61	212.802		
600.00	598.70	621.70	621.70	4.04	20.23	121.50	238.27	-4,370.29	4,391.39	4,367.13	24.26	181.019		
700.00	697.47	720.47	720.47	4.32	23.63	121.53	238.27	-4,370.29	4,399.64	4,371.69	27.95	157.398		
800.00	795.62	818.62	818.62	4.64	27.03	121.57	238.27	-4,370.29	4,409.76	4,378.09	31.67	139.233		
900.00	893.06	916.06	916.06	5.01	30.41	121.61	238.27	-4,370.29	4,421.76	4,386.36	35.41	124.881		
1,000.00	989.64	1,012.64	1,012.64	5.41	33.77	121.64	238.27	-4,370.29	4,435.68	4,396.52	39.15	113.291		
1,100.00	1,085.27	1,108.27	1,108.27	5.85	37.09	121.68	238.27	-4,370.29	4,451.52	4,408.62	42.90	103.764		
1,200.00	1,179.82	1,202.82	1,202.82	6.33	40.38	121.72	238.27	-4,370.29	4,469.33	4,422.68	46.64	95.816		
1,300.00	1,273.17	1,303.83	1,296.17	6.84	43.89	121.74	238.27	-4,370.29	4,489.12	4,438.47	50.65	88.632		
1,404.90	1,369.69	1,407.31	1,392.69	7.43	47.50	121.76	238.27	-4,370.29	4,512.04	4,457.24	54.80	82.339		
1,500.00	1,456.50	1,479.50	1,479.50	8.00	50.01	122.15	238.27	-4,370.29	4,533.95	4,476.12	57.83	78.401		
1,600.00	1,547.79	1,570.79	1,570.79	8.61	53.19	122.56	238.27	-4,370.29	4,557.23	4,495.67	61.57	74.021		
1,700.00	1,639.07	1,662.07	1,662.07	9.23	56.37	122.97	238.27	-4,370.29	4,580.76	4,515.44	65.32	70.132		
1,800.00	1,730.36	1,753.36	1,753.36	9.87	59.55	123.37	238.27	-4,370.29	4,604.53	4,535.45	69.07	66.660		
1,900.00	1,821.64	1,844.64	1,844.64	10.52	62.74	123.76	238.27	-4,370.29	4,628.54	4,555.70	72.84	63.544		
2,000.00	1,912.93	1,935.93	1,935.93	11.18	65.92	124.16	238.27	-4,370.29	4,652.78	4,576.17	76.61	60.732		
2,100.00	2,004.21	2,027.21	2,027.21	11.84	69.10	124.55	238.27	-4,370.29	4,677.25	4,596.86	80.39	58.183		
2,200.00	2,095.50	2,118.50	2,118.50	12.51	72.29	124.93	238.27	-4,370.29	4,701.95	4,617.78	84.17	55.864		
2,300.00	2,186.78	2,209.78	2,209.78	13.19	75.47	125.32	238.27	-4,370.29	4,726.87	4,638.92	87.95	53.744		
2,400.00	2,278.06	2,301.06	2,301.06	13.86	78.65	125.70	238.27	-4,370.29	4,752.02	4,660.28	91.74	51.801		
2,500.00	2,369.35	2,407.65	2,392.35	14.55	82.37	126.07	238.27	-4,370.29	4,777.37	4,681.32	96.05	49.736		
2,600.00	2,460.63	2,483.63	2,483.63	15.23	85.02	126.44	238.27	-4,370.29	4,802.95	4,703.64	99.31	48.364		
2,700.00	2,551.92	2,574.92	2,574.92	15.92	88.21	126.81	238.27	-4,370.29	4,828.73	4,725.63	103.10	46.838		
2,800.00	2,643.20	2,666.20	2,666.20	16.61	91.39	127.18	238.27	-4,370.29	4,854.72	4,747.84	106.88	45.421		
2,900.00	2,734.49	2,757.49	2,757.49	17.30	94.58	127.54	238.27	-4,370.29	4,880.91	4,770.24	110.67	44.103		
3,000.00	2,825.77	2,848.77	2,848.77	18.00	97.76	127.90	238.27	-4,370.29	4,907.30	4,792.85	114.46	42.874		
3,100.00	2,917.06	2,940.06	2,940.06	18.69	100.95	128.25	238.27	-4,370.29	4,933.89	4,815.65	118.24	41.726		
3,200.00	3,008.34	3,031.34	3,031.34	19.39	104.13	128.60	238.27	-4,370.29	4,960.68	4,838.65	122.03	40.651		
3,300.00	3,099.63	3,122.63	3,122.63	20.09	107.32	128.95	238.27	-4,370.29	4,987.65	4,861.83	125.82	39.642		
3,400.00	3,190.91	3,213.91	3,213.91	20.79	110.50	129.29	238.27	-4,370.29	5,014.81	4,885.21	129.60	38.694		
3,500.00	3,282.20	3,305.20	3,305.20	21.49	113.69	129.63	238.27	-4,370.29	5,042.15	4,908.77	133.38	37.802		
3,600.00	3,373.48	3,403.52	3,396.48	22.19	117.12	129.97	238.27	-4,370.29	5,069.68	4,932.27	137.41	36.894		
3,700.00	3,464.77	3,487.77	3,487.77	22.89	120.06	130.30	238.27	-4,370.29	5,097.38	4,956.44	140.95	36.165		
3,800.00	3,556.05	3,579.05	3,579.05	23.60	123.24	130.64	238.27	-4,370.29	5,125.26	4,980.54	144.73	35.413		
3,900.00	3,647.34	3,670.34	3,670.34	24.30	126.43	130.96	238.27	-4,370.29	5,153.32	5,004.81	148.51	34.701		
4,000.00	3,738.62	3,761.62	3,761.62	25.00	129.61	131.29	238.27	-4,370.29	5,181.54	5,029.25	152.29	34.025		
4,100.00	3,829.91	3,852.91	3,852.91	25.71	132.80	131.61	238.27	-4,370.29	5,209.93	5,053.87	156.06	33.384		
4,200.00	3,921.19	3,944.19	3,944.19	26.42	135.99	131.93	238.27	-4,370.29	5,238.48	5,078.64	159.84	32.774		
4,300.00	4,012.48	4,035.48	4,035.48	27.12	139.17	132.24	238.27	-4,370.29	5,267.20	5,103.59	163.61	32.193		
4,400.00	4,103.76	4,126.76	4,126.76	27.83	142.36	132.55	238.27	-4,370.29	5,296.07	5,128.69	167.39	31.640		
4,500.00	4,195.05	4,218.05	4,218.05	28.54	145.54	132.86	238.27	-4,370.29	5,325.10	5,153.95	171.16	31.112		
4,600.00	4,286.33	4,309.33	4,309.33	29.24	148.73	133.17	238.27	-4,370.29	5,354.29	5,179.36	174.93	30.609		
4,700.00	4,377.62	4,400.62	4,400.62	29.95	151.92	133.47	238.27	-4,370.29	5,383.63	5,204.93	178.70	30.127		
4,800.00	4,468.90	4,508.10	4,491.90	30.66	155.67	133.77	238.27	-4,370.29	5,413.11	5,230.08	183.03	29.575		
4,900.00	4,560.19	4,583.19	4,583.19	31.37	158.29	134.07	238.27	-4,370.29	5,442.74	5,256.51	186.23	29.226		
5,000.00	4,651.47	4,674.47	4,674.47	32.08	161.47	134.36	238.27	-4,370.29	5,472.52	5,282.52	190.00	28.803		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,100.00	4,742.76	4,765.76	4,765.76	32.79	164.66	134.65	238.27	-4,370.29	5,502.44	5,308.68	193.76	28.398		
5,200.00	4,834.04	4,857.04	4,857.04	33.50	167.85	134.94	238.27	-4,370.29	5,532.50	5,334.97	197.52	28.009		
5,300.00	4,925.33	4,948.33	4,948.33	34.21	171.03	135.23	238.27	-4,370.29	5,562.69	5,361.41	201.28	27.636		
5,400.00	5,016.61	5,039.61	5,039.61	34.92	174.22	135.51	238.27	-4,370.29	5,593.02	5,387.98	205.04	27.277		
5,500.00	5,107.90	5,130.90	5,130.90	35.63	177.40	135.79	238.27	-4,370.29	5,623.48	5,414.68	208.80	26.932		
5,600.00	5,199.18	5,222.18	5,222.18	36.34	180.59	136.06	238.27	-4,370.29	5,654.08	5,441.52	212.56	26.600		
5,700.00	5,290.46	5,313.46	5,313.46	37.05	183.78	136.34	238.27	-4,370.29	5,684.80	5,468.48	216.32	26.280		
5,800.00	5,381.75	5,404.75	5,404.75	37.76	186.96	136.61	238.27	-4,370.29	5,715.65	5,495.58	220.07	25.972		
5,900.00	5,473.03	5,503.97	5,496.03	38.47	190.43	136.88	238.27	-4,370.29	5,746.62	5,522.52	224.10	25.643		
6,000.00	5,564.32	5,587.32	5,587.32	39.18	193.34	137.14	238.27	-4,370.29	5,777.72	5,550.14	227.58	25.388		
6,100.00	5,655.60	5,678.60	5,678.60	39.90	196.52	137.41	238.27	-4,370.29	5,808.93	5,577.60	231.33	25.111		
6,200.00	5,746.89	5,769.89	5,769.89	40.61	199.71	137.67	238.27	-4,370.29	5,840.27	5,605.19	235.08	24.844		
6,300.00	5,838.17	5,861.17	5,861.17	41.32	202.89	137.93	238.27	-4,370.29	5,871.72	5,632.89	238.83	24.585		
6,400.00	5,929.46	5,952.46	5,952.46	42.03	206.08	138.18	238.27	-4,370.29	5,903.29	5,660.71	242.58	24.335		
6,500.00	6,020.74	6,043.74	6,043.74	42.74	209.27	138.43	238.27	-4,370.29	5,934.96	5,688.64	246.33	24.094		
6,600.00	6,112.03	6,135.03	6,135.03	43.46	212.45	138.68	238.27	-4,370.29	5,966.76	5,716.68	250.07	23.860		
6,700.00	6,203.31	6,226.31	6,226.31	44.17	215.64	138.93	238.27	-4,370.29	5,998.66	5,744.84	253.82	23.633		
6,800.00	6,294.60	6,317.60	6,317.60	44.88	218.83	139.18	238.27	-4,370.29	6,030.66	5,773.10	257.56	23.414		
6,900.00	6,385.88	6,408.88	6,408.88	45.59	222.01	139.42	238.27	-4,370.29	6,062.78	5,801.47	261.31	23.202		
6,927.91	6,411.36	6,434.36	6,434.36	45.79	222.90	139.49	238.27	-4,370.29	6,071.76	5,809.41	262.35	23.143		
6,950.00	6,431.59	6,454.59	6,454.59	45.95	223.61	135.17	238.27	-4,370.29	6,078.54	5,815.36	263.18	23.096		
7,000.00	6,477.77	6,500.77	6,500.77	46.27	225.22	124.50	238.27	-4,370.29	6,091.40	5,826.34	265.06	22.981		
7,050.00	6,524.26	6,547.26	6,547.26	46.56	226.84	113.04	238.27	-4,370.29	6,100.76	5,833.82	266.94	22.855		
7,100.00	6,570.76	6,606.24	6,593.76	46.81	228.90	101.66	238.27	-4,370.29	6,106.57	5,837.35	269.22	22.682		
7,150.00	6,617.00	6,640.00	6,640.00	47.02	230.08	91.24	238.27	-4,370.29	6,108.82	5,838.21	270.60	22.575		
7,200.00	6,662.68	6,685.68	6,685.68	47.20	231.68	82.34	238.27	-4,370.29	6,107.50	5,835.13	272.36	22.424		
7,250.00	6,707.53	6,730.53	6,730.53	47.34	233.24	75.12	238.27	-4,370.29	6,102.63	5,828.57	274.06	22.268		
7,300.00	6,751.28	6,774.28	6,774.28	47.47	234.77	69.47	238.27	-4,370.29	6,094.26	5,818.58	275.68	22.106		
7,350.00	6,793.64	6,816.64	6,816.64	47.57	236.25	65.15	238.27	-4,370.29	6,082.44	5,805.23	277.22	21.941		
7,400.00	6,834.35	6,857.35	6,857.35	47.66	237.67	61.97	238.27	-4,370.29	6,067.27	5,788.61	278.66	21.773		
7,450.00	6,873.18	6,903.82	6,896.18	47.75	239.29	59.72	238.27	-4,370.29	6,048.86	5,768.57	280.28	21.581		
7,500.00	6,909.88	6,932.88	6,932.88	47.83	240.30	58.28	238.27	-4,370.29	6,027.31	5,746.04	281.27	21.429		
7,550.00	6,944.21	6,967.21	6,967.21	47.91	241.50	57.55	238.27	-4,370.29	6,002.77	5,720.35	282.43	21.254		
7,600.00	6,975.98	7,001.02	6,998.98	47.99	242.68	57.46	238.27	-4,370.29	5,975.41	5,691.86	283.55	21.074		
7,650.00	7,004.98	7,027.98	7,027.98	48.09	243.62	58.01	238.27	-4,370.29	5,945.39	5,660.97	284.42	20.903		
7,700.00	7,031.04	7,054.04	7,054.04	48.20	244.53	59.18	238.27	-4,370.29	5,912.91	5,627.64	285.26	20.728		
7,750.00	7,053.99	7,076.99	7,076.99	48.32	245.33	61.00	238.27	-4,370.29	5,878.15	5,592.15	286.00	20.553		
7,800.00	7,073.70	7,103.30	7,096.70	48.46	246.25	63.54	238.27	-4,370.29	5,841.35	5,554.49	286.86	20.363		
7,850.00	7,090.03	7,113.03	7,113.03	48.62	246.59	66.85	238.27	-4,370.29	5,802.71	5,515.56	287.16	20.207		
7,900.00	7,102.90	7,125.90	7,125.90	48.81	247.04	71.02	238.27	-4,370.29	5,762.48	5,474.90	287.58	20.038		
7,950.00	7,112.22	7,135.22	7,135.22	49.02	247.37	76.16	238.27	-4,370.29	5,720.90	5,433.00	287.90	19.871		
8,000.00	7,117.94	7,140.94	7,140.94	49.26	247.57	82.31	238.27	-4,370.29	5,678.20	5,390.09	288.11	19.708		
8,047.82	7,120.00	7,143.00	7,143.00	49.51	247.64	89.15	238.27	-4,370.29	5,636.56	5,348.34	288.22	19.557		
8,100.00	7,120.42	7,143.42	7,143.42	49.82	247.65	89.16	238.27	-4,370.29	5,590.84	5,302.55	288.29	19.393		
8,200.00	7,121.24	7,144.24	7,144.24	50.53	247.68	89.17	238.27	-4,370.29	5,503.53	5,215.05	288.48	19.078		
8,300.00	7,122.05	7,145.05	7,145.05	51.39	247.71	89.19	238.27	-4,370.29	5,416.65	5,127.92	288.73	18.760		
8,400.00	7,122.86	7,145.86	7,145.86	52.42	247.74	89.21	238.27	-4,370.29	5,330.24	5,041.18	289.06	18.440		
8,500.00	7,123.68	7,146.68	7,146.68	53.63	247.77	89.23	238.27	-4,370.29	5,244.31	4,954.84	289.47	18.117		
8,600.00	7,124.49	7,147.49	7,147.49	55.01	247.80	89.24	238.27	-4,370.29	5,158.89	4,868.92	289.97	17.791		
8,700.00	7,125.30	7,148.30	7,148.30	56.54	247.82	89.26	238.27	-4,370.29	5,074.00	4,783.45	290.56	17.463		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	7,149.12	7,149.12	58.21	247.85	89.28	238.27	-4,370.29	4,989.68	4,698.44	291.24	17.133		
8,900.00	7,126.93	7,149.93	7,149.93	60.01	247.88	89.29	238.27	-4,370.29	4,905.94	4,613.92	292.02	16.800		
9,000.00	7,127.75	7,150.75	7,150.75	61.92	247.91	89.31	238.27	-4,370.29	4,822.82	4,529.91	292.90	16.466		
9,100.00	7,128.56	7,151.56	7,151.56	63.92	247.94	89.33	238.27	-4,370.29	4,740.35	4,446.45	293.90	16.129		
9,200.00	7,129.37	7,152.37	7,152.37	66.01	247.97	89.35	238.27	-4,370.29	4,658.56	4,363.56	295.00	15.792		
9,300.00	7,130.19	7,153.19	7,153.19	68.16	247.99	89.36	238.27	-4,370.29	4,577.51	4,281.28	296.23	15.453		
9,400.00	7,131.00	7,154.00	7,154.00	70.38	248.02	89.38	238.27	-4,370.29	4,497.21	4,199.64	297.57	15.113		
9,500.00	7,131.81	7,154.81	7,154.81	72.65	248.05	89.40	238.27	-4,370.29	4,417.72	4,118.68	299.03	14.773		
9,600.00	7,132.63	7,155.63	7,155.63	74.97	248.08	89.41	238.27	-4,370.29	4,339.07	4,038.45	300.62	14.434		
9,700.00	7,133.44	7,156.44	7,156.44	77.33	248.11	89.43	238.27	-4,370.29	4,261.32	3,958.99	302.34	14.095		
9,800.00	7,134.25	7,157.25	7,157.25	79.72	248.14	89.45	238.27	-4,370.29	4,184.52	3,880.34	304.18	13.757		
9,900.00	7,135.07	7,158.07	7,158.07	82.16	248.16	89.47	238.27	-4,370.29	4,108.71	3,802.55	306.16	13.420		
10,000.00	7,135.88	7,158.88	7,158.88	84.62	248.19	89.48	238.27	-4,370.29	4,033.96	3,725.69	308.27	13.086		
10,100.00	7,136.70	7,159.70	7,159.70	87.11	248.22	89.50	238.27	-4,370.29	3,960.33	3,649.81	310.51	12.754		
10,200.00	7,137.51	7,160.51	7,160.51	89.62	248.25	89.52	238.27	-4,370.29	3,887.87	3,574.98	312.89	12.426		
10,300.00	7,138.32	7,161.32	7,161.32	92.16	248.28	89.54	238.27	-4,370.29	3,816.65	3,501.25	315.40	12.101		
10,400.00	7,139.14	7,162.14	7,162.14	94.71	248.31	89.55	238.27	-4,370.29	3,746.75	3,428.70	318.05	11.780		
10,500.00	7,139.95	7,162.95	7,162.95	97.29	248.34	89.57	238.27	-4,370.29	3,678.24	3,357.41	320.83	11.465		
10,600.00	7,140.76	7,163.76	7,163.76	99.88	248.36	89.59	238.27	-4,370.29	3,611.20	3,287.46	323.74	11.154		
10,700.00	7,141.58	7,164.58	7,164.58	102.48	248.39	89.60	238.27	-4,370.29	3,545.72	3,218.93	326.79	10.850		
10,800.00	7,142.39	7,165.39	7,165.39	105.10	248.42	89.62	238.27	-4,370.29	3,481.87	3,151.90	329.97	10.552		
10,900.00	7,143.20	7,166.20	7,166.20	107.74	248.45	89.64	238.27	-4,370.29	3,419.76	3,086.49	333.27	10.261		
11,000.00	7,144.02	7,167.02	7,167.02	110.38	248.48	89.66	238.27	-4,370.29	3,359.47	3,022.78	336.70	9.978		
11,100.00	7,144.83	7,167.83	7,167.83	113.04	248.51	89.67	238.27	-4,370.29	3,301.11	2,960.88	340.24	9.702		
11,200.00	7,145.65	7,168.65	7,168.65	115.71	248.53	89.69	238.27	-4,370.29	3,244.79	2,900.90	343.90	9.435		
11,300.00	7,146.46	7,169.46	7,169.46	118.38	248.56	89.71	238.27	-4,370.29	3,190.61	2,842.95	347.66	9.177		
11,400.00	7,147.27	7,170.27	7,170.27	121.07	248.59	89.73	238.27	-4,370.29	3,138.67	2,787.16	351.51	8.929		
11,500.00	7,148.09	7,171.09	7,171.09	123.76	248.62	89.74	238.27	-4,370.29	3,089.11	2,733.65	355.46	8.691		
11,600.00	7,148.90	7,171.90	7,171.90	126.46	248.65	89.76	238.27	-4,370.29	3,042.02	2,682.55	359.47	8.462		
11,700.00	7,149.71	7,172.71	7,172.71	129.17	248.68	89.78	238.27	-4,370.29	2,997.53	2,633.98	363.55	8.245		
11,800.00	7,150.53	7,173.53	7,173.53	131.89	248.70	89.79	238.27	-4,370.29	2,955.76	2,588.08	367.68	8.039		
11,900.00	7,151.34	7,174.34	7,174.34	134.61	248.73	89.81	238.27	-4,370.29	2,916.81	2,544.97	371.84	7.844		
12,000.00	7,152.16	7,175.16	7,175.16	137.34	248.76	89.83	238.27	-4,370.29	2,880.81	2,504.81	376.01	7.662		
12,100.00	7,152.97	7,175.97	7,175.97	140.07	248.79	89.85	238.27	-4,370.29	2,847.88	2,467.71	380.17	7.491		
12,200.00	7,153.78	7,176.78	7,176.78	142.81	248.82	89.86	238.27	-4,370.29	2,818.10	2,433.80	384.30	7.333		
12,300.00	7,154.60	7,177.60	7,177.60	145.55	248.85	89.88	238.27	-4,370.29	2,791.59	2,403.20	388.39	7.188		
12,400.00	7,155.41	7,178.41	7,178.41	148.30	248.87	89.90	238.27	-4,370.29	2,768.44	2,376.04	392.40	7.055		
12,500.00	7,156.22	7,179.22	7,179.22	151.05	248.90	89.91	238.27	-4,370.29	2,748.74	2,352.42	396.32	6.936		
12,600.00	7,157.04	7,180.04	7,180.04	153.80	248.93	89.93	238.27	-4,370.29	2,732.56	2,332.43	400.13	6.829		
12,700.00	7,157.85	7,180.85	7,180.85	156.56	248.96	89.95	238.27	-4,370.29	2,719.95	2,316.16	403.80	6.736		
12,800.00	7,158.66	7,181.66	7,181.66	159.33	248.99	89.97	238.27	-4,370.29	2,710.99	2,303.68	407.31	6.656		
12,900.00	7,159.48	7,182.48	7,182.48	162.09	249.02	89.98	238.27	-4,370.29	2,705.68	2,295.05	410.64	6.589		
12,993.57	7,160.24	7,183.24	7,183.24	164.69	249.04	90.00	238.27	-4,370.29	2,704.07	2,290.48	413.58	6.538 CC		
13,000.00	7,160.29	7,183.29	7,183.29	164.86	249.05	90.00	238.27	-4,370.29	2,704.07	2,290.30	413.78	6.535		
13,100.00	7,161.11	7,184.11	7,184.11	167.64	249.07	90.02	238.27	-4,370.29	2,706.16	2,289.45	416.71	6.494 ES		
13,209.97	7,162.00	7,185.00	7,185.00	170.69	249.10	90.04	238.27	-4,370.29	2,712.71	2,293.03	419.68	6.464		
13,210.89	7,162.01	7,185.01	7,185.01	170.72	249.11	90.04	238.27	-4,370.29	2,712.78	2,293.08	419.70	6.464 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-91.85	-289.82	-8,976.60	8,981.27					
100.00	100.00	132.00	132.00	3.28	4.35	-91.85	-289.82	-8,976.60	8,981.27	8,973.64	7.64	1,175.836		
200.00	200.00	232.00	232.00	3.34	7.15	-91.85	-289.82	-8,976.60	8,981.27	8,970.79	10.49	856.392		
300.00	299.98	331.98	331.98	3.44	10.38	116.47	-289.82	-8,976.60	8,982.05	8,968.24	13.82	650.129		
400.00	399.84	431.84	431.84	3.59	13.73	116.45	-289.82	-8,976.60	8,984.39	8,967.07	17.32	518.797		
500.00	499.45	531.45	531.45	3.79	17.12	116.43	-289.82	-8,976.60	8,988.28	8,967.37	20.91	429.777		
600.00	598.70	630.70	630.70	4.04	20.54	116.41	-289.82	-8,976.60	8,993.74	8,969.17	24.57	366.061		
700.00	697.47	729.47	729.47	4.32	23.95	116.37	-289.82	-8,976.60	9,000.76	8,972.49	28.26	318.457		
800.00	795.62	827.62	827.62	4.64	27.34	116.32	-289.82	-8,976.60	9,009.35	8,977.37	31.99	281.674		
900.00	893.06	925.06	925.06	5.01	30.72	116.26	-289.82	-8,976.60	9,019.53	8,983.80	35.72	252.480		
1,000.00	989.64	1,021.64	1,021.64	5.41	34.08	116.19	-289.82	-8,976.60	9,031.29	8,991.81	39.47	228.799		
1,100.00	1,085.27	1,117.27	1,117.27	5.85	37.40	116.11	-289.82	-8,976.60	9,044.64	9,001.42	43.23	209.244		
1,200.00	1,179.82	1,211.82	1,211.82	6.33	40.69	116.02	-289.82	-8,976.60	9,059.60	9,012.63	46.98	192.849		
1,300.00	1,273.17	1,305.17	1,305.17	6.84	43.94	115.91	-289.82	-8,976.60	9,076.18	9,025.45	50.72	178.929		
1,404.90	1,369.69	1,401.69	1,401.69	7.43	47.30	115.78	-289.82	-8,976.60	9,095.31	9,040.66	54.65	166.438		
1,500.00	1,456.50	1,488.50	1,488.50	8.00	50.33	115.98	-289.82	-8,976.60	9,113.53	9,055.33	58.20	156.579		
1,600.00	1,547.79	1,579.79	1,579.79	8.61	53.51	116.19	-289.82	-8,976.60	9,132.83	9,070.87	61.96	147.398		
1,700.00	1,639.07	1,671.07	1,671.07	9.23	56.69	116.41	-289.82	-8,976.60	9,152.27	9,086.54	65.73	139.239		
1,800.00	1,730.36	1,762.36	1,762.36	9.87	59.87	116.62	-289.82	-8,976.60	9,171.85	9,102.34	69.51	131.947		
1,900.00	1,821.64	1,853.64	1,853.64	10.52	63.05	116.83	-289.82	-8,976.60	9,191.57	9,118.27	73.30	125.393		
2,000.00	1,912.93	1,944.93	1,944.93	11.18	66.23	117.04	-289.82	-8,976.60	9,211.43	9,134.33	77.10	119.474		
2,100.00	2,004.21	2,036.21	2,036.21	11.84	69.42	117.25	-289.82	-8,976.60	9,231.43	9,150.53	80.90	114.105		
2,200.00	2,095.50	2,127.50	2,127.50	12.51	72.60	117.46	-289.82	-8,976.60	9,251.56	9,166.85	84.71	109.213		
2,300.00	2,186.78	2,218.78	2,218.78	13.19	75.78	117.67	-289.82	-8,976.60	9,271.83	9,183.31	88.52	104.739		
2,400.00	2,278.06	2,310.06	2,310.06	13.86	78.97	117.88	-289.82	-8,976.60	9,292.24	9,199.90	92.34	100.632		
2,500.00	2,369.35	2,401.35	2,401.35	14.55	82.15	118.09	-289.82	-8,976.60	9,312.78	9,216.62	96.16	96.850		
2,600.00	2,460.63	2,507.37	2,492.63	15.23	85.85	118.29	-289.82	-8,976.60	9,333.45	9,232.96	100.49	92.879		
2,700.00	2,551.92	2,583.92	2,583.92	15.92	88.52	118.50	-289.82	-8,976.60	9,354.26	9,250.46	103.80	90.119		
2,800.00	2,643.20	2,675.20	2,675.20	16.61	91.70	118.70	-289.82	-8,976.60	9,375.19	9,267.57	107.62	87.112		
2,900.00	2,734.49	2,766.49	2,766.49	17.30	94.89	118.91	-289.82	-8,976.60	9,396.26	9,284.82	111.45	84.312		
3,000.00	2,825.77	2,857.77	2,857.77	18.00	98.07	119.11	-289.82	-8,976.60	9,417.46	9,302.19	115.27	81.699		
3,100.00	2,917.06	2,949.06	2,949.06	18.69	101.26	119.31	-289.82	-8,976.60	9,438.79	9,319.69	119.10	79.253		
3,200.00	3,008.34	3,040.34	3,040.34	19.39	104.44	119.51	-289.82	-8,976.60	9,460.24	9,337.32	122.92	76.961		
3,300.00	3,099.63	3,131.63	3,131.63	20.09	107.63	119.72	-289.82	-8,976.60	9,481.83	9,355.08	126.75	74.808		
3,400.00	3,190.91	3,222.91	3,222.91	20.79	110.82	119.92	-289.82	-8,976.60	9,503.53	9,372.96	130.57	72.782		
3,500.00	3,282.20	3,314.20	3,314.20	21.49	114.00	120.11	-289.82	-8,976.60	9,525.37	9,390.97	134.40	70.873		
3,600.00	3,373.48	3,405.48	3,405.48	22.19	117.19	120.31	-289.82	-8,976.60	9,547.33	9,409.10	138.23	69.070		
3,700.00	3,464.77	3,503.23	3,496.77	22.89	120.60	120.51	-289.82	-8,976.60	9,569.41	9,427.13	142.28	67.258		
3,800.00	3,556.05	3,588.05	3,588.05	23.60	123.56	120.71	-289.82	-8,976.60	9,591.62	9,445.74	145.88	65.750		
3,900.00	3,647.34	3,679.34	3,679.34	24.30	126.74	120.90	-289.82	-8,976.60	9,613.95	9,464.24	149.70	64.219		
4,000.00	3,738.62	3,770.62	3,770.62	25.00	129.93	121.10	-289.82	-8,976.60	9,636.39	9,482.87	153.53	62.766		
4,100.00	3,829.91	3,861.91	3,861.91	25.71	133.11	121.29	-289.82	-8,976.60	9,658.96	9,501.61	157.35	61.384		
4,200.00	3,921.19	3,953.19	3,953.19	26.42	136.30	121.49	-289.82	-8,976.60	9,681.65	9,520.48	161.18	60.068		
4,300.00	4,012.48	4,044.48	4,044.48	27.12	139.49	121.68	-289.82	-8,976.60	9,704.46	9,539.46	165.00	58.815		
4,400.00	4,103.76	4,135.76	4,135.76	27.83	142.67	121.87	-289.82	-8,976.60	9,727.39	9,558.56	168.82	57.619		
4,500.00	4,195.05	4,227.05	4,227.05	28.54	145.86	122.06	-289.82	-8,976.60	9,750.43	9,577.78	172.65	56.476		
4,600.00	4,286.33	4,318.33	4,318.33	29.24	149.04	122.25	-289.82	-8,976.60	9,773.59	9,597.12	176.47	55.385		
4,700.00	4,377.62	4,409.62	4,409.62	29.95	152.23	122.44	-289.82	-8,976.60	9,796.86	9,616.58	180.29	54.340		
4,800.00	4,468.90	4,500.90	4,500.90	30.66	155.42	122.63	-289.82	-8,976.60	9,820.25	9,636.15	184.11	53.340		
4,900.00	4,560.19	4,607.81	4,592.19	31.37	159.15	122.82	-289.82	-8,976.60	9,843.76	9,655.28	188.47	52.229		
5,000.00	4,651.47	4,683.47	4,683.47	32.08	161.79	123.01	-289.82	-8,976.60	9,867.37	9,675.63	191.75	51.461		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,100.00	4,742.76	4,774.76	4,774.76	32.79	164.97	123.19	-289.82	-8,976.60	9,891.10	9,695.54	195.56	50.578		
5,200.00	4,834.04	4,866.04	4,866.04	33.50	168.16	123.38	-289.82	-8,976.60	9,914.94	9,715.56	199.38	49.729		
5,300.00	4,925.33	4,957.33	4,957.33	34.21	171.35	123.56	-289.82	-8,976.60	9,938.89	9,735.69	203.20	48.913		
5,400.00	5,016.61	5,048.61	5,048.61	34.92	174.53	123.75	-289.82	-8,976.60	9,962.95	9,755.94	207.01	48.128		
5,500.00	5,107.90	5,139.90	5,139.90	35.63	177.72	123.93	-289.82	-8,976.60	9,987.12	9,776.29	210.83	47.371		
7,850.00	7,090.03	7,122.03	7,122.03	48.62	246.91	49.93	-289.82	-8,976.60	9,979.67	9,689.47	290.21	34.388		
7,900.00	7,102.90	7,134.90	7,134.90	48.81	247.36	54.82	-289.82	-8,976.60	9,933.82	9,643.22	290.60	34.183		
7,950.00	7,112.22	7,144.22	7,144.22	49.02	247.68	62.10	-289.82	-8,976.60	9,886.77	9,595.89	290.89	33.988		
8,000.00	7,117.94	7,149.94	7,149.94	49.26	247.88	72.96	-289.82	-8,976.60	9,838.82	9,547.77	291.05	33.804		
8,047.82	7,120.00	7,152.00	7,152.00	49.51	247.95	87.94	-289.82	-8,976.60	9,792.38	9,501.27	291.11	33.639		
8,100.00	7,120.42	7,152.42	7,152.42	49.82	247.97	87.95	-289.82	-8,976.60	9,741.50	9,450.39	291.11	33.464		
8,200.00	7,121.24	7,153.24	7,153.24	50.53	248.00	87.98	-289.82	-8,976.60	9,644.02	9,352.91	291.11	33.128		
8,300.00	7,122.05	7,154.05	7,154.05	51.39	248.02	88.00	-289.82	-8,976.60	9,546.60	9,255.47	291.13	32.791		
8,400.00	7,122.86	7,154.86	7,154.86	52.42	248.05	88.02	-289.82	-8,976.60	9,449.23	9,158.07	291.16	32.453		
8,500.00	7,123.68	7,155.68	7,155.68	53.63	248.08	88.04	-289.82	-8,976.60	9,351.92	9,060.71	291.21	32.114		
8,600.00	7,124.49	7,156.49	7,156.49	55.01	248.11	88.06	-289.82	-8,976.60	9,254.66	8,963.40	291.27	31.774		
8,700.00	7,125.30	7,157.30	7,157.30	56.54	248.14	88.08	-289.82	-8,976.60	9,157.47	8,866.13	291.34	31.432		
8,800.00	7,126.12	7,158.12	7,158.12	58.21	248.17	88.10	-289.82	-8,976.60	9,060.33	8,768.90	291.43	31.089		
8,900.00	7,126.93	7,158.93	7,158.93	60.01	248.19	88.13	-289.82	-8,976.60	8,963.26	8,671.72	291.54	30.745		
9,000.00	7,127.75	7,159.75	7,159.75	61.92	248.22	88.15	-289.82	-8,976.60	8,866.25	8,574.59	291.66	30.399		
9,100.00	7,128.56	7,160.56	7,160.56	63.92	248.25	88.17	-289.82	-8,976.60	8,769.31	8,477.51	291.80	30.052		
9,200.00	7,129.37	7,161.37	7,161.37	66.01	248.28	88.19	-289.82	-8,976.60	8,672.44	8,380.48	291.96	29.704		
9,300.00	7,130.19	7,162.19	7,162.19	68.16	248.31	88.21	-289.82	-8,976.60	8,575.64	8,283.50	292.14	29.354		
9,400.00	7,131.00	7,163.00	7,163.00	70.38	248.34	88.23	-289.82	-8,976.60	8,478.92	8,186.57	292.34	29.003		
9,500.00	7,131.81	7,163.81	7,163.81	72.65	248.37	88.26	-289.82	-8,976.60	8,382.27	8,089.70	292.57	28.651		
9,600.00	7,132.63	7,164.63	7,164.63	74.97	248.39	88.28	-289.82	-8,976.60	8,285.70	7,992.88	292.81	28.297		
9,700.00	7,133.44	7,165.44	7,165.44	77.33	248.42	88.30	-289.82	-8,976.60	8,189.21	7,896.13	293.09	27.941		
9,800.00	7,134.25	7,166.25	7,166.25	79.72	248.45	88.32	-289.82	-8,976.60	8,092.81	7,799.43	293.38	27.584		
9,900.00	7,135.07	7,167.07	7,167.07	82.16	248.48	88.34	-289.82	-8,976.60	7,996.50	7,702.79	293.71	27.226		
10,000.00	7,135.88	7,167.88	7,167.88	84.62	248.51	88.36	-289.82	-8,976.60	7,900.28	7,606.21	294.06	26.866		
10,100.00	7,136.70	7,168.70	7,168.70	87.11	248.54	88.38	-289.82	-8,976.60	7,804.15	7,509.70	294.45	26.505		
10,200.00	7,137.51	7,169.51	7,169.51	89.62	248.56	88.41	-289.82	-8,976.60	7,708.12	7,413.26	294.86	26.142		
10,300.00	7,138.32	7,170.32	7,170.32	92.16	248.59	88.43	-289.82	-8,976.60	7,612.20	7,316.89	295.30	25.777		
10,400.00	7,139.14	7,171.14	7,171.14	94.71	248.62	88.45	-289.82	-8,976.60	7,516.38	7,220.59	295.78	25.412		
10,500.00	7,139.95	7,171.95	7,171.95	97.29	248.65	88.47	-289.82	-8,976.60	7,420.67	7,124.37	296.30	25.045		
10,600.00	7,140.76	7,172.76	7,172.76	99.88	248.68	88.49	-289.82	-8,976.60	7,325.07	7,028.22	296.85	24.676		
10,700.00	7,141.58	7,173.58	7,173.58	102.48	248.71	88.51	-289.82	-8,976.60	7,229.60	6,932.16	297.44	24.306		
10,800.00	7,142.39	7,174.39	7,174.39	105.10	248.73	88.54	-289.82	-8,976.60	7,134.24	6,836.18	298.07	23.935		
10,900.00	7,143.20	7,175.20	7,175.20	107.74	248.76	88.56	-289.82	-8,976.60	7,039.02	6,740.28	298.74	23.562		
11,000.00	7,144.02	7,176.02	7,176.02	110.38	248.79	88.58	-289.82	-8,976.60	6,943.93	6,644.48	299.45	23.189		
11,100.00	7,144.83	7,176.83	7,176.83	113.04	248.82	88.60	-289.82	-8,976.60	6,848.98	6,548.77	300.21	22.814		
11,200.00	7,145.65	7,177.65	7,177.65	115.71	248.85	88.62	-289.82	-8,976.60	6,754.18	6,453.17	301.01	22.438		
11,300.00	7,146.46	7,178.46	7,178.46	118.38	248.88	88.64	-289.82	-8,976.60	6,659.53	6,357.66	301.86	22.061		
11,400.00	7,147.27	7,179.27	7,179.27	121.07	248.91	88.66	-289.82	-8,976.60	6,565.03	6,262.27	302.76	21.684		
11,500.00	7,148.09	7,180.09	7,180.09	123.76	248.93	88.69	-289.82	-8,976.60	6,470.71	6,166.99	303.72	21.305		
11,600.00	7,148.90	7,180.90	7,180.90	126.46	248.96	88.71	-289.82	-8,976.60	6,376.55	6,071.83	304.72	20.926		
11,700.00	7,149.71	7,181.71	7,181.71	129.17	248.99	88.73	-289.82	-8,976.60	6,282.58	5,976.79	305.79	20.546		
11,800.00	7,150.53	7,182.53	7,182.53	131.89	249.02	88.75	-289.82	-8,976.60	6,188.79	5,881.89	306.90	20.165		
11,900.00	7,151.34	7,183.34	7,183.34	134.61	249.05	88.77	-289.82	-8,976.60	6,095.20	5,787.12	308.08	19.784		
12,000.00	7,152.16	7,184.16	7,184.16	137.34	249.08	88.79	-289.82	-8,976.60	6,001.82	5,692.50	309.32	19.403		

CC - Min centre 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-14C-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-14C-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		
12,100.00	7,152.97	7,184.97	7,184.97	140.07	249.10	88.82	-289.82	-8,976.60	5,908.66	5,598.03	310.63	19.022		
12,200.00	7,153.78	7,185.78	7,185.78	142.81	249.13	88.84	-289.82	-8,976.60	5,815.72	5,503.72	312.00	18.640		
12,300.00	7,154.60	7,186.60	7,186.60	145.55	249.16	88.86	-289.82	-8,976.60	5,723.02	5,409.58	313.44	18.259		
12,400.00	7,155.41	7,187.41	7,187.41	148.30	249.19	88.88	-289.82	-8,976.60	5,630.57	5,315.62	314.95	17.878		
12,500.00	7,156.22	7,188.22	7,188.22	151.05	249.22	88.90	-289.82	-8,976.60	5,538.38	5,221.84	316.54	17.497		
12,600.00	7,157.04	7,189.04	7,189.04	153.80	249.25	88.92	-289.82	-8,976.60	5,446.47	5,128.27	318.20	17.116		
12,700.00	7,157.85	7,189.85	7,189.85	156.56	249.27	88.94	-289.82	-8,976.60	5,354.84	5,034.90	319.94	16.737		
12,800.00	7,158.66	7,209.34	7,190.66	159.33	249.95	88.97	-289.82	-8,976.60	5,263.53	4,941.11	322.42	16.325		
12,900.00	7,159.48	7,208.52	7,191.48	162.09	249.93	88.99	-289.82	-8,976.60	5,172.53	4,848.25	324.27	15.951		
13,000.00	7,160.29	7,207.71	7,192.29	164.86	249.90	89.01	-289.82	-8,976.60	5,081.87	4,755.65	326.22	15.578		
13,100.00	7,161.11	7,206.89	7,193.11	167.64	249.87	89.03	-289.82	-8,976.60	4,991.57	4,663.31	328.25	15.206		
13,209.97	7,162.00	7,206.00	7,194.00	170.69	249.84	89.05	-289.82	-8,976.60	4,892.70	4,562.09	330.60	14.799		
13,210.89	7,162.01	7,205.99	7,194.01	170.72	249.84	89.05	-289.82	-8,976.60	4,891.88	4,561.25	330.62	14.796 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-96.33	-1,075.72	-9,700.81	9,760.27					
100.00	100.00	113.00	113.00	3.28	3.95	-96.33	-1,075.72	-9,700.81	9,760.27	9,753.03	7.23	1,349.258		
200.00	200.00	213.00	213.00	3.34	6.57	-96.33	-1,075.72	-9,700.81	9,760.27	9,750.36	9.91	985.387		
300.00	299.98	312.98	312.98	3.44	9.75	111.99	-1,075.72	-9,700.81	9,760.92	9,747.73	13.19	740.095		
400.00	399.84	412.84	412.84	3.59	13.08	111.98	-1,075.72	-9,700.81	9,762.88	9,746.21	16.67	585.500		
500.00	499.45	512.45	512.45	3.79	16.47	111.97	-1,075.72	-9,700.81	9,766.16	9,745.89	20.26	481.971		
600.00	598.70	611.70	611.70	4.04	19.88	111.95	-1,075.72	-9,700.81	9,770.74	9,746.83	23.91	408.576		
700.00	697.47	710.47	710.47	4.32	23.29	111.92	-1,075.72	-9,700.81	9,776.65	9,749.04	27.61	354.139		
800.00	795.62	808.62	808.62	4.64	26.69	111.89	-1,075.72	-9,700.81	9,783.88	9,752.56	31.33	312.309		
900.00	893.06	906.06	906.06	5.01	30.06	111.85	-1,075.72	-9,700.81	9,792.45	9,757.39	35.07	279.252		
1,000.00	989.64	1,002.64	1,002.64	5.41	33.42	111.80	-1,075.72	-9,700.81	9,802.37	9,763.55	38.82	252.527		
1,100.00	1,085.27	1,101.73	1,098.27	5.85	36.86	111.74	-1,075.72	-9,700.81	9,813.64	9,770.94	42.69	229.864		
1,200.00	1,179.82	1,207.18	1,192.82	6.33	40.53	111.68	-1,075.72	-9,700.81	9,826.27	9,779.44	46.83	209.832		
1,300.00	1,273.17	1,286.17	1,286.17	6.84	43.28	111.60	-1,075.72	-9,700.81	9,840.29	9,790.20	50.08	196.482		
1,404.90	1,369.69	1,382.69	1,382.69	7.43	46.64	111.50	-1,075.72	-9,700.81	9,856.48	9,802.47	54.01	182.486		
1,500.00	1,456.50	1,469.50	1,469.50	8.00	49.66	111.69	-1,075.72	-9,700.81	9,871.93	9,814.35	57.58	171.452		
1,600.00	1,547.79	1,560.79	1,560.79	8.61	52.84	111.89	-1,075.72	-9,700.81	9,888.31	9,826.97	61.35	161.192		
1,700.00	1,639.07	1,652.07	1,652.07	9.23	56.02	112.10	-1,075.72	-9,700.81	9,904.83	9,839.71	65.13	152.087		
1,800.00	1,730.36	1,743.36	1,743.36	9.87	59.21	112.30	-1,075.72	-9,700.81	9,921.50	9,852.58	68.92	143.960		
1,900.00	1,821.64	1,834.64	1,834.64	10.52	62.39	112.50	-1,075.72	-9,700.81	9,938.30	9,865.58	72.72	136.665		
2,000.00	1,912.93	1,925.93	1,925.93	11.18	65.57	112.70	-1,075.72	-9,700.81	9,955.24	9,878.71	76.53	130.084		
2,100.00	2,004.21	2,017.21	2,017.21	11.84	68.75	112.90	-1,075.72	-9,700.81	9,972.32	9,891.98	80.34	124.119		
2,200.00	2,095.50	2,108.50	2,108.50	12.51	71.94	113.10	-1,075.72	-9,700.81	9,989.54	9,905.38	84.17	118.690		
8,500.00	7,123.68	7,136.68	7,136.68	53.63	247.42	86.68	-1,075.72	-9,700.81	9,916.17	9,624.78	291.39	34.030		
8,600.00	7,124.49	7,137.49	7,137.49	55.01	247.45	86.71	-1,075.72	-9,700.81	9,917.15	9,525.74	291.41	33.689		
8,700.00	7,125.30	7,138.30	7,138.30	56.54	247.47	86.74	-1,075.72	-9,700.81	9,918.15	9,426.72	291.43	33.346		
8,800.00	7,126.12	7,139.12	7,139.12	58.21	247.50	86.78	-1,075.72	-9,700.81	9,919.17	9,327.71	291.46	33.004		
8,900.00	7,126.93	7,139.93	7,139.93	60.01	247.53	86.81	-1,075.72	-9,700.81	9,920.21	9,228.72	291.49	32.660		
9,000.00	7,127.75	7,140.75	7,140.75	61.92	247.56	86.84	-1,075.72	-9,700.81	9,921.27	9,129.74	291.53	32.317		
9,100.00	7,128.56	7,141.56	7,141.56	63.92	247.59	86.88	-1,075.72	-9,700.81	9,922.36	9,030.78	291.58	31.972		
9,200.00	7,129.37	7,142.37	7,142.37	66.01	247.62	86.91	-1,075.72	-9,700.81	9,923.47	8,931.84	291.63	31.628		
9,300.00	7,130.19	7,143.19	7,143.19	68.16	247.65	86.95	-1,075.72	-9,700.81	9,924.60	8,832.92	291.69	31.282		
9,400.00	7,131.00	7,144.00	7,144.00	70.38	247.67	86.98	-1,075.72	-9,700.81	9,925.76	8,734.01	291.75	30.936		
9,500.00	7,131.81	7,144.81	7,144.81	72.65	247.70	87.01	-1,075.72	-9,700.81	9,926.95	8,635.12	291.83	30.590		
9,600.00	7,132.63	7,145.63	7,145.63	74.97	247.73	87.05	-1,075.72	-9,700.81	9,928.16	8,536.24	291.91	30.243		
9,700.00	7,133.44	7,146.44	7,146.44	77.33	247.76	87.08	-1,075.72	-9,700.81	9,929.39	8,437.39	292.00	29.895		
9,800.00	7,134.25	7,147.25	7,147.25	79.72	247.79	87.11	-1,075.72	-9,700.81	9,930.66	8,338.56	292.10	29.547		
9,900.00	7,135.07	7,148.07	7,148.07	82.16	247.82	87.15	-1,075.72	-9,700.81	9,931.96	8,239.74	292.22	29.198		
10,000.00	7,135.88	7,148.88	7,148.88	84.62	247.84	87.18	-1,075.72	-9,700.81	9,933.28	8,140.95	292.34	28.848		
10,100.00	7,136.70	7,149.70	7,149.70	87.11	247.87	87.22	-1,075.72	-9,700.81	9,934.64	8,042.17	292.47	28.498		
10,200.00	7,137.51	7,150.51	7,150.51	89.62	247.90	87.25	-1,075.72	-9,700.81	9,936.03	7,943.42	292.61	28.147		
10,300.00	7,138.32	7,151.32	7,151.32	92.16	247.93	87.28	-1,075.72	-9,700.81	9,937.46	7,844.69	292.77	27.795		
10,400.00	7,139.14	7,152.14	7,152.14	94.71	247.96	87.32	-1,075.72	-9,700.81	9,938.92	7,745.98	292.94	27.443		
10,500.00	7,139.95	7,152.95	7,152.95	97.29	247.99	87.35	-1,075.72	-9,700.81	9,940.41	7,647.30	293.12	27.089		
10,600.00	7,140.76	7,153.76	7,153.76	99.88	248.01	87.39	-1,075.72	-9,700.81	9,941.95	7,548.63	293.31	26.736		
10,700.00	7,141.58	7,154.58	7,154.58	102.48	248.04	87.42	-1,075.72	-9,700.81	9,943.52	7,450.00	293.53	26.381		
10,800.00	7,142.39	7,155.39	7,155.39	105.10	248.07	87.45	-1,075.72	-9,700.81	9,945.14	7,351.38	293.75	26.026		
10,900.00	7,143.20	7,156.20	7,156.20	107.74	248.10	87.49	-1,075.72	-9,700.81	9,946.79	7,252.80	294.00	25.670		
11,000.00	7,144.02	7,157.02	7,157.02	110.38	248.13	87.52	-1,075.72	-9,700.81	9,948.49	7,154.24	294.26	25.313		
11,100.00	7,144.83	7,157.83	7,157.83	113.04	248.16	87.55	-1,075.72	-9,700.81	9,950.24	7,055.70	294.54	24.955		
11,200.00	7,145.65	7,158.65	7,158.65	115.71	248.18	87.59	-1,075.72	-9,700.81	9,952.03	6,957.20	294.84	24.597		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
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)			
11,300.00	7,146.46	7,159.46	7,159.46	118.38	248.21	87.62	-1,075.72	-9,700.81	7,153.88	6,858.72	295.15	24.238		
11,400.00	7,147.27	7,160.27	7,160.27	121.07	248.24	87.66	-1,075.72	-9,700.81	7,055.77	6,760.28	295.50	23.878		
11,500.00	7,148.09	7,161.09	7,161.09	123.76	248.27	87.69	-1,075.72	-9,700.81	6,957.72	6,661.86	295.86	23.517		
11,600.00	7,148.90	7,161.90	7,161.90	126.46	248.30	87.72	-1,075.72	-9,700.81	6,859.73	6,563.48	296.25	23.155		
11,700.00	7,149.71	7,162.71	7,162.71	129.17	248.33	87.76	-1,075.72	-9,700.81	6,761.79	6,465.13	296.66	22.793		
11,800.00	7,150.53	7,163.53	7,163.53	131.89	248.36	87.79	-1,075.72	-9,700.81	6,663.91	6,366.81	297.10	22.430		
11,900.00	7,151.34	7,164.34	7,164.34	134.61	248.38	87.82	-1,075.72	-9,700.81	6,566.10	6,268.53	297.57	22.066		
12,000.00	7,152.16	7,165.16	7,165.16	137.34	248.41	87.86	-1,075.72	-9,700.81	6,468.36	6,170.29	298.07	21.701		
12,100.00	7,152.97	7,165.97	7,165.97	140.07	248.44	87.89	-1,075.72	-9,700.81	6,370.68	6,072.09	298.59	21.336		
12,200.00	7,153.78	7,166.78	7,166.78	142.81	248.47	87.93	-1,075.72	-9,700.81	6,273.08	5,973.93	299.15	20.969		
12,300.00	7,154.60	7,167.60	7,167.60	145.55	248.50	87.96	-1,075.72	-9,700.81	6,175.56	5,875.81	299.75	20.602		
12,400.00	7,155.41	7,168.41	7,168.41	148.30	248.53	87.99	-1,075.72	-9,700.81	6,078.11	5,777.73	300.38	20.235		
12,500.00	7,156.22	7,169.22	7,169.22	151.05	248.55	88.03	-1,075.72	-9,700.81	5,980.75	5,679.70	301.05	19.866		
12,600.00	7,157.04	7,170.04	7,170.04	153.80	248.58	88.06	-1,075.72	-9,700.81	5,883.48	5,581.72	301.76	19.497		
12,700.00	7,157.85	7,170.85	7,170.85	156.56	248.61	88.10	-1,075.72	-9,700.81	5,786.30	5,483.79	302.52	19.127		
12,800.00	7,158.66	7,171.66	7,171.66	159.33	248.64	88.13	-1,075.72	-9,700.81	5,689.22	5,385.91	303.32	18.757		
12,900.00	7,159.48	7,172.48	7,172.48	162.09	248.67	88.16	-1,075.72	-9,700.81	5,592.25	5,288.09	304.16	18.386		
13,000.00	7,160.29	7,173.29	7,173.29	164.86	248.70	88.20	-1,075.72	-9,700.81	5,495.38	5,190.32	305.06	18.014		
13,100.00	7,161.11	7,174.11	7,174.11	167.64	248.72	88.23	-1,075.72	-9,700.81	5,398.62	5,092.62	306.00	17.642		
13,209.97	7,162.00	7,175.00	7,175.00	170.69	248.76	88.27	-1,075.72	-9,700.81	5,292.36	4,985.25	307.11	17.233		
13,210.89	7,162.01	7,175.01	7,175.01	170.72	248.76	88.27	-1,075.72	-9,700.81	5,291.47	4,984.35	307.12	17.229	CC, ES, SF	

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	23.82	23.82	3.28	3.28	-88.58	239.80	-9,700.29	9,703.26					
100.00	100.00	115.32	115.32	3.28	3.29	-88.58	239.98	-9,700.35	9,703.32	9,696.75	6.58	1,475.430		
200.00	200.00	206.41	206.41	3.34	3.35	-88.58	240.37	-9,700.48	9,703.48	9,696.79	6.68	1,451.586		
300.00	299.98	298.39	298.38	3.44	3.45	119.73	240.76	-9,700.69	9,704.59	9,697.70	6.89	1,408.912		
400.00	399.84	418.21	418.21	3.59	3.64	119.72	241.00	-9,700.90	9,707.36	9,700.13	7.23	1,342.780		
500.00	499.45	521.69	521.68	3.79	3.85	119.69	240.91	-9,700.95	9,711.73	9,704.09	7.64	1,271.055		
600.00	598.70	616.30	616.29	4.04	4.08	119.64	240.79	-9,701.03	9,717.88	9,709.77	8.11	1,198.129		
700.00	697.47	736.93	736.93	4.32	4.40	119.60	240.87	-9,701.00	9,725.66	9,716.94	8.72	1,115.246		
800.00	795.62	849.89	849.88	4.64	4.74	119.55	240.85	-9,700.73	9,734.97	9,725.59	9.38	1,038.090		
900.00	893.06	930.79	930.78	5.01	4.99	119.44	240.63	-9,700.52	9,746.01	9,736.02	9.99	975.511		
1,000.00	989.64	1,000.00	1,000.00	5.41	5.22	119.31	240.42	-9,700.59	9,759.10	9,748.49	10.61	919.854		
1,100.00	1,085.27	1,100.00	1,099.36	5.85	5.56	119.19	240.02	-9,700.72	9,774.00	9,762.63	11.37	859.298		
1,200.00	1,179.82	1,165.88	1,165.87	6.33	5.79	119.00	239.66	-9,700.86	9,790.74	9,778.68	12.06	811.629		
1,300.00	1,273.17	1,258.44	1,258.43	6.84	6.12	118.84	239.09	-9,701.37	9,809.53	9,796.64	12.89	761.226		
1,404.90	1,369.69	1,353.43	1,353.42	7.43	6.47	118.65	238.48	-9,701.72	9,830.94	9,817.15	13.79	713.035		
1,500.00	1,456.50	1,420.67	1,420.66	8.00	6.71	118.79	238.18	-9,702.09	9,851.45	9,836.89	14.56	676.503		
1,600.00	1,547.79	1,496.00	1,495.98	8.61	7.00	118.95	237.79	-9,702.65	9,873.30	9,857.89	15.41	640.636		
1,700.00	1,639.07	1,583.05	1,583.03	9.23	7.33	119.13	237.34	-9,703.38	9,895.36	9,879.04	16.32	606.221		
1,800.00	1,730.36	1,678.61	1,678.59	9.87	7.70	119.33	237.00	-9,704.18	9,917.55	9,900.27	17.28	573.854		
1,900.00	1,821.64	1,774.22	1,774.19	10.52	8.07	119.53	236.79	-9,704.92	9,939.81	9,921.55	18.25	544.515		
2,000.00	1,912.93	1,845.62	1,845.59	11.18	8.35	119.68	236.78	-9,705.49	9,962.23	9,943.09	19.14	520.533		
2,100.00	2,004.21	1,908.92	1,908.89	11.84	8.60	119.81	236.84	-9,706.17	9,985.02	9,965.02	20.00	499.348		
8,800.00	7,126.12	7,096.53	7,096.16	58.21	30.34	87.18	263.79	-9,739.06	9,940.33	9,866.97	73.37	135.491		
8,900.00	7,126.93	7,097.77	7,097.41	60.01	30.34	87.21	263.80	-9,739.07	9,944.18	9,770.69	73.49	133.957		
9,000.00	7,127.75	7,099.01	7,098.65	61.92	30.35	87.23	263.80	-9,739.07	9,948.11	9,674.48	73.63	132.389		
9,100.00	7,128.56	7,100.26	7,099.89	63.92	30.35	87.26	263.81	-9,739.08	9,952.11	9,578.31	73.80	130.788		
9,200.00	7,129.37	7,101.50	7,101.13	66.01	30.36	87.28	263.82	-9,739.08	9,956.20	9,482.21	73.99	129.153		
9,300.00	7,130.19	7,102.74	7,102.38	68.16	30.36	87.31	263.82	-9,739.09	9,960.38	9,386.17	74.21	127.485		
9,400.00	7,131.00	7,103.98	7,103.62	70.38	30.37	87.34	263.83	-9,739.09	9,964.63	9,290.18	74.45	125.784		
9,500.00	7,131.81	7,105.23	7,104.86	72.65	30.37	87.36	263.84	-9,739.10	9,968.98	9,194.26	74.72	124.051		
9,600.00	7,132.63	7,106.47	7,106.10	74.97	30.38	87.39	263.84	-9,739.10	9,973.43	9,098.41	75.02	122.285		
9,700.00	7,133.44	7,107.71	7,107.35	77.33	30.39	87.41	263.85	-9,739.11	9,977.96	9,002.62	75.34	120.488		
9,800.00	7,134.25	7,108.95	7,108.59	79.72	30.39	87.44	263.86	-9,739.11	9,982.60	8,906.90	75.70	118.660		
9,900.00	7,135.07	7,110.19	7,109.83	82.16	30.40	87.47	263.86	-9,739.12	9,987.34	8,811.25	76.09	116.802		
10,000.00	7,135.88	7,111.44	7,111.07	84.62	30.40	87.49	263.87	-9,739.12	9,992.18	8,715.67	76.51	114.916		
10,100.00	7,136.70	7,112.68	7,112.31	87.11	30.41	87.52	263.88	-9,739.13	9,997.13	8,620.17	76.96	113.002		
10,200.00	7,137.51	7,113.92	7,113.56	89.62	30.41	87.55	263.89	-9,739.14	9,999.20	8,524.74	77.45	111.063		
10,300.00	7,138.32	7,115.16	7,114.80	92.16	30.42	87.57	263.89	-9,739.14	9,999.37	8,429.40	77.98	109.099		
10,400.00	7,139.14	7,116.41	7,116.04	94.71	30.42	87.60	263.90	-9,739.15	9,999.67	8,334.13	78.54	107.112		
10,500.00	7,139.95	7,117.65	7,117.28	97.29	30.43	87.62	263.91	-9,739.15	9,999.10	8,238.96	79.14	105.105		
10,600.00	7,140.76	7,118.89	7,118.53	99.88	30.43	87.65	263.91	-9,739.16	9,998.65	8,143.87	79.78	103.078		
10,700.00	7,141.58	7,120.13	7,119.77	102.48	30.44	87.68	263.92	-9,739.16	9,998.33	8,048.87	80.46	101.035		
10,800.00	7,142.39	7,121.38	7,121.01	105.10	30.44	87.70	263.93	-9,739.17	9,998.15	7,953.97	81.18	98.976		
10,900.00	7,143.20	7,122.62	7,122.25	107.74	30.45	87.73	263.93	-9,739.17	9,998.11	7,859.17	81.95	96.906		
11,000.00	7,144.02	7,123.86	7,123.49	110.38	30.45	87.76	263.94	-9,739.18	9,998.23	7,764.47	82.76	94.824		
11,100.00	7,144.83	7,125.10	7,124.74	113.04	30.46	87.78	263.95	-9,739.18	9,998.49	7,669.88	83.61	92.735		
11,200.00	7,145.65	7,126.34	7,125.98	115.71	30.46	87.81	263.95	-9,739.19	9,998.91	7,575.40	84.51	90.640		
11,300.00	7,146.46	7,127.59	7,127.22	118.38	30.47	87.83	263.96	-9,739.19	9,999.49	7,481.04	85.46	88.542		
11,400.00	7,147.27	7,128.83	7,128.46	121.07	30.48	87.86	263.97	-9,739.20	9,999.25	7,386.80	86.45	86.443		
11,500.00	7,148.09	7,130.07	7,129.71	123.76	30.48	87.89	263.97	-9,739.20	9,999.20	7,292.68	87.50	84.345		
11,600.00	7,148.90	7,131.31	7,130.95	126.46	30.49	87.91	263.98	-9,739.21	9,999.30	7,198.70	88.60	82.252		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
11,700.00	7,149.71	7,132.56	7,132.19	129.17	30.49	87.94	263.99	-9,739.21	7,194.60	7,104.85	89.75	80.164				
11,800.00	7,150.53	7,133.80	7,133.43	131.89	30.50	87.96	263.99	-9,739.22	7,102.11	7,011.15	90.95	78.086				
11,900.00	7,151.34	7,135.04	7,134.68	134.61	30.50	87.99	264.00	-9,739.23	7,009.82	6,917.60	92.21	76.018				
12,000.00	7,152.16	7,136.28	7,135.92	137.34	30.51	88.02	264.01	-9,739.23	6,917.74	6,824.21	93.53	73.963				
12,100.00	7,152.97	7,137.53	7,137.16	140.07	30.51	88.04	264.02	-9,739.24	6,825.89	6,730.98	94.91	71.923				
12,200.00	7,153.78	7,138.77	7,138.40	142.81	30.52	88.07	264.02	-9,739.24	6,734.27	6,637.93	96.34	69.901				
12,300.00	7,154.60	7,140.01	7,139.64	145.55	30.52	88.10	264.03	-9,739.25	6,642.89	6,545.05	97.84	67.897				
12,400.00	7,155.41	7,141.25	7,140.89	148.30	30.53	88.12	264.04	-9,739.25	6,551.76	6,452.36	99.40	65.915				
12,500.00	7,156.22	7,142.50	7,142.13	151.05	30.53	88.15	264.04	-9,739.26	6,460.89	6,359.87	101.02	63.955				
12,600.00	7,157.04	7,143.74	7,143.37	153.80	30.54	88.17	264.05	-9,739.26	6,370.30	6,267.59	102.71	62.020				
12,700.00	7,157.85	7,144.98	7,144.61	156.56	30.54	88.20	264.06	-9,739.27	6,279.99	6,175.52	104.47	60.111				
12,800.00	7,158.66	7,146.22	7,145.86	159.33	30.55	88.23	264.06	-9,739.27	6,189.98	6,083.68	106.30	58.229				
12,900.00	7,159.48	7,147.46	7,147.10	162.09	30.55	88.25	264.07	-9,739.28	6,100.28	5,992.08	108.21	56.377				
13,000.00	7,160.29	7,148.71	7,148.34	164.86	30.56	88.28	264.08	-9,739.28	6,010.91	5,900.73	110.18	54.554				
13,100.00	7,161.11	7,149.95	7,149.58	167.64	30.57	88.31	264.08	-9,739.29	5,921.87	5,809.64	112.24	52.762				
13,209.97	7,162.00	7,151.32	7,150.95	170.69	30.57	88.33	264.09	-9,739.30	5,824.37	5,709.79	114.59	50.830				
13,210.89	7,162.01	7,151.33	7,150.96	170.72	30.57	88.33	264.09	-9,739.30	5,823.56	5,708.96	114.61	50.814 CC, ES, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-97.18	-1,076.15	-8,542.19	8,609.71					
100.00	100.00	114.00	114.00	3.28	3.97	-97.18	-1,076.15	-8,542.19	8,609.71	8,602.46	7.25	1,186.998		
200.00	200.00	214.00	214.00	3.34	6.60	-97.18	-1,076.15	-8,542.19	8,609.71	8,599.78	9.94	866.580		
300.00	299.98	313.98	313.98	3.44	9.78	111.14	-1,076.15	-8,542.19	8,610.34	8,597.12	13.22	651.232		
400.00	399.84	413.84	413.84	3.59	13.12	111.14	-1,076.15	-8,542.19	8,612.23	8,595.53	16.71	515.450		
500.00	499.45	513.45	513.45	3.79	16.51	111.13	-1,076.15	-8,542.19	8,615.39	8,595.09	20.30	424.464		
600.00	598.70	612.70	612.70	4.04	19.92	111.12	-1,076.15	-8,542.19	8,619.81	8,595.86	23.95	359.931		
700.00	697.47	711.47	711.47	4.32	23.32	111.11	-1,076.15	-8,542.19	8,625.51	8,597.86	27.64	312.051		
800.00	795.62	809.62	809.62	4.64	26.72	111.10	-1,076.15	-8,542.19	8,632.49	8,601.13	31.36	275.250		
900.00	893.06	907.06	907.06	5.01	30.10	111.08	-1,076.15	-8,542.19	8,640.77	8,605.67	35.10	246.163		
1,000.00	989.64	1,003.64	1,003.64	5.41	33.45	111.06	-1,076.15	-8,542.19	8,650.36	8,611.50	38.85	222.646		
1,100.00	1,085.27	1,100.73	1,099.27	5.85	36.83	111.02	-1,076.15	-8,542.19	8,661.27	8,618.61	42.66	203.032		
1,200.00	1,179.82	1,206.18	1,193.82	6.33	40.50	110.98	-1,076.15	-8,542.19	8,673.52	8,626.72	46.80	185.346		
1,300.00	1,273.17	1,287.17	1,287.17	6.84	43.31	110.94	-1,076.15	-8,542.19	8,687.12	8,637.00	50.12	173.327		
1,404.90	1,369.69	1,383.69	1,383.69	7.43	46.67	110.87	-1,076.15	-8,542.19	8,702.87	8,648.82	54.05	161.013		
1,500.00	1,456.50	1,470.50	1,470.50	8.00	49.70	111.09	-1,076.15	-8,542.19	8,717.91	8,660.30	57.62	151.305		
1,600.00	1,547.79	1,561.79	1,561.79	8.61	52.88	111.33	-1,076.15	-8,542.19	8,733.89	8,672.50	61.39	142.279		
1,700.00	1,639.07	1,653.07	1,653.07	9.23	56.06	111.56	-1,076.15	-8,542.19	8,750.02	8,684.86	65.17	134.270		
1,800.00	1,730.36	1,744.36	1,744.36	9.87	59.24	111.79	-1,076.15	-8,542.19	8,766.32	8,697.36	68.96	127.120		
1,900.00	1,821.64	1,835.64	1,835.64	10.52	62.42	112.01	-1,076.15	-8,542.19	8,782.78	8,710.01	72.76	120.703		
2,000.00	1,912.93	1,926.93	1,926.93	11.18	65.61	112.24	-1,076.15	-8,542.19	8,799.39	8,722.82	76.57	114.915		
2,100.00	2,004.21	2,018.21	2,018.21	11.84	68.79	112.47	-1,076.15	-8,542.19	8,816.16	8,735.77	80.39	109.668		
2,200.00	2,095.50	2,109.50	2,109.50	12.51	71.97	112.70	-1,076.15	-8,542.19	8,833.09	8,748.88	84.21	104.894		
2,300.00	2,186.78	2,200.78	2,200.78	13.19	75.16	112.92	-1,076.15	-8,542.19	8,850.18	8,762.14	88.03	100.530		
2,400.00	2,278.06	2,307.94	2,292.06	13.86	78.89	113.15	-1,076.15	-8,542.19	8,867.42	8,775.00	92.42	95.950		
2,500.00	2,369.35	2,383.35	2,383.35	14.55	81.52	113.37	-1,076.15	-8,542.19	8,884.81	8,789.12	95.69	92.846		
2,600.00	2,460.63	2,474.63	2,474.63	15.23	84.71	113.60	-1,076.15	-8,542.19	8,902.36	8,802.83	99.53	89.447		
2,700.00	2,551.92	2,565.92	2,565.92	15.92	87.89	113.82	-1,076.15	-8,542.19	8,920.06	8,816.70	103.36	86.300		
2,800.00	2,643.20	2,657.20	2,657.20	16.61	91.08	114.04	-1,076.15	-8,542.19	8,937.91	8,830.71	107.20	83.378		
2,900.00	2,734.49	2,748.49	2,748.49	17.30	94.26	114.26	-1,076.15	-8,542.19	8,955.91	8,844.88	111.03	80.659		
3,000.00	2,825.77	2,839.77	2,839.77	18.00	97.45	114.48	-1,076.15	-8,542.19	8,974.06	8,859.19	114.87	78.122		
3,100.00	2,917.06	2,931.06	2,931.06	18.69	100.63	114.70	-1,076.15	-8,542.19	8,992.37	8,873.65	118.71	75.750		
3,200.00	3,008.34	3,022.34	3,022.34	19.39	103.82	114.92	-1,076.15	-8,542.19	9,010.81	8,888.26	122.55	73.527		
3,300.00	3,099.63	3,113.63	3,113.63	20.09	107.00	115.14	-1,076.15	-8,542.19	9,029.41	8,903.02	126.39	71.441		
3,400.00	3,190.91	3,204.91	3,204.91	20.79	110.19	115.36	-1,076.15	-8,542.19	9,048.15	8,917.92	130.23	69.479		
3,500.00	3,282.20	3,303.80	3,296.20	21.49	113.64	115.58	-1,076.15	-8,542.19	9,067.04	8,932.70	134.33	67.496		
3,600.00	3,373.48	3,387.48	3,387.48	22.19	116.56	115.79	-1,076.15	-8,542.19	9,086.07	8,948.16	137.91	65.885		
3,700.00	3,464.77	3,478.77	3,478.77	22.89	119.74	116.01	-1,076.15	-8,542.19	9,105.24	8,963.49	141.75	64.236		
3,800.00	3,556.05	3,570.05	3,570.05	23.60	122.93	116.22	-1,076.15	-8,542.19	9,124.56	8,978.97	145.59	62.675		
3,900.00	3,647.34	3,661.34	3,661.34	24.30	126.11	116.43	-1,076.15	-8,542.19	9,144.02	8,994.59	149.42	61.195		
4,000.00	3,738.62	3,752.62	3,752.62	25.00	129.30	116.65	-1,076.15	-8,542.19	9,163.61	9,010.35	153.26	59.790		
4,100.00	3,829.91	3,843.91	3,843.91	25.71	132.49	116.86	-1,076.15	-8,542.19	9,183.35	9,026.25	157.10	58.456		
4,200.00	3,921.19	3,935.19	3,935.19	26.42	135.67	117.07	-1,076.15	-8,542.19	9,203.23	9,042.29	160.94	57.186		
4,300.00	4,012.48	4,026.48	4,026.48	27.12	138.86	117.28	-1,076.15	-8,542.19	9,223.24	9,058.47	164.77	55.976		
4,400.00	4,103.76	4,117.76	4,117.76	27.83	142.04	117.49	-1,076.15	-8,542.19	9,243.40	9,074.79	168.61	54.822		
4,500.00	4,195.05	4,209.05	4,209.05	28.54	145.23	117.70	-1,076.15	-8,542.19	9,263.68	9,091.24	172.44	53.720		
4,600.00	4,286.33	4,300.33	4,300.33	29.24	148.42	117.91	-1,076.15	-8,542.19	9,284.11	9,107.83	176.28	52.668		
4,700.00	4,377.62	4,408.38	4,391.62	29.95	152.19	118.11	-1,076.15	-8,542.19	9,304.66	9,123.97	180.70	51.493		
4,800.00	4,468.90	4,482.90	4,482.90	30.66	154.79	118.32	-1,076.15	-8,542.19	9,325.36	9,141.41	183.94	50.697		
4,900.00	4,560.19	4,574.19	4,574.19	31.37	157.97	118.53	-1,076.15	-8,542.19	9,346.18	9,158.40	187.78	49.773		
5,000.00	4,651.47	4,665.47	4,665.47	32.08	161.16	118.73	-1,076.15	-8,542.19	9,367.13	9,175.53	191.61	48.887		

CC - Min centre 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-14C-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-14C-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			
5,100.00	4,742.76	4,756.76	4,756.76	32.79	164.35	118.94	-1,076.15	-8,542.19	9,388.22	9,192.78	195.44	48.037			
5,200.00	4,834.04	4,848.04	4,848.04	33.50	167.53	119.14	-1,076.15	-8,542.19	9,409.44	9,210.17	199.27	47.221			
5,300.00	4,925.33	4,939.33	4,939.33	34.21	170.72	119.34	-1,076.15	-8,542.19	9,430.78	9,227.69	203.09	46.435			
5,400.00	5,016.61	5,030.61	5,030.61	34.92	173.90	119.54	-1,076.15	-8,542.19	9,452.26	9,245.33	206.92	45.680			
5,500.00	5,107.90	5,121.90	5,121.90	35.63	177.09	119.74	-1,076.15	-8,542.19	9,473.86	9,263.11	210.75	44.953			
5,600.00	5,199.18	5,213.18	5,213.18	36.34	180.28	119.94	-1,076.15	-8,542.19	9,495.58	9,281.01	214.57	44.253			
5,700.00	5,290.46	5,304.46	5,304.46	37.05	183.46	120.14	-1,076.15	-8,542.19	9,517.44	9,299.04	218.40	43.578			
5,800.00	5,381.75	5,404.25	5,395.75	37.76	186.95	120.34	-1,076.15	-8,542.19	9,539.41	9,316.89	222.52	42.870			
5,900.00	5,473.03	5,487.03	5,487.03	38.47	189.84	120.54	-1,076.15	-8,542.19	9,561.51	9,335.47	226.05	42.299			
6,000.00	5,564.32	5,578.32	5,578.32	39.18	193.02	120.74	-1,076.15	-8,542.19	9,583.74	9,353.87	229.87	41.692			
6,100.00	5,655.60	5,669.60	5,669.60	39.90	196.21	120.93	-1,076.15	-8,542.19	9,606.08	9,372.40	233.69	41.106			
6,200.00	5,746.89	5,760.89	5,760.89	40.61	199.39	121.13	-1,076.15	-8,542.19	9,628.55	9,391.04	237.51	40.540			
6,300.00	5,838.17	5,852.17	5,852.17	41.32	202.58	121.32	-1,076.15	-8,542.19	9,651.14	9,409.81	241.33	39.992			
6,400.00	5,929.46	5,943.46	5,943.46	42.03	205.77	121.52	-1,076.15	-8,542.19	9,673.85	9,428.70	245.15	39.462			
6,500.00	6,020.74	6,034.74	6,034.74	42.74	208.95	121.71	-1,076.15	-8,542.19	9,696.67	9,447.71	248.96	38.948			
6,600.00	6,112.03	6,126.03	6,126.03	43.46	212.14	121.90	-1,076.15	-8,542.19	9,719.62	9,466.84	252.78	38.451			
6,700.00	6,203.31	6,217.31	6,217.31	44.17	215.33	122.09	-1,076.15	-8,542.19	9,742.68	9,486.08	256.59	37.969			
6,800.00	6,294.60	6,308.60	6,308.60	44.88	218.51	122.28	-1,076.15	-8,542.19	9,765.86	9,505.45	260.41	37.502			
6,900.00	6,385.88	6,400.12	6,399.88	45.59	221.71	122.47	-1,076.15	-8,542.19	9,789.15	9,524.92	264.23	37.048			
6,927.91	6,411.36	6,425.36	6,425.36	45.79	222.59	122.53	-1,076.15	-8,542.19	9,795.67	9,530.38	265.29	36.925			
6,950.00	6,431.59	6,445.59	6,445.59	45.95	223.29	118.39	-1,076.15	-8,542.19	9,800.47	9,534.34	266.13	36.826			
7,000.00	6,477.77	6,508.23	6,491.77	46.27	225.48	108.07	-1,076.15	-8,542.19	9,808.58	9,539.97	268.61	36.516			
7,050.00	6,524.26	6,538.26	6,538.26	46.56	226.53	96.86	-1,076.15	-8,542.19	9,812.85	9,542.92	269.93	36.353			
7,100.00	6,570.76	6,584.76	6,584.76	46.81	228.15	85.62	-1,076.15	-8,542.19	9,813.26	9,541.45	271.80	36.104			
7,150.00	6,617.00	6,631.00	6,631.00	47.02	229.77	75.25	-1,076.15	-8,542.19	9,809.80	9,536.17	273.63	35.850			
7,200.00	6,662.68	6,676.68	6,676.68	47.20	231.36	66.31	-1,076.15	-8,542.19	9,802.49	9,527.09	275.40	35.594			
7,250.00	6,707.53	6,721.53	6,721.53	47.34	232.93	58.96	-1,076.15	-8,542.19	9,791.40	9,514.29	277.10	35.335			
7,300.00	6,751.28	6,765.28	6,765.28	47.47	234.45	53.08	-1,076.15	-8,542.19	9,776.57	9,497.84	278.73	35.075			
7,350.00	6,793.64	6,807.64	6,807.64	47.57	235.93	48.46	-1,076.15	-8,542.19	9,758.11	9,477.83	280.28	34.815			
7,400.00	6,834.35	6,848.35	6,848.35	47.66	237.35	44.87	-1,076.15	-8,542.19	9,736.12	9,454.38	281.74	34.557			
7,450.00	6,873.18	6,887.18	6,887.18	47.75	238.71	42.13	-1,076.15	-8,542.19	9,710.75	9,427.64	283.11	34.300			
7,500.00	6,909.88	6,923.88	6,923.88	47.83	239.99	40.09	-1,076.15	-8,542.19	9,682.15	9,397.76	284.39	34.046			
7,550.00	6,944.21	6,958.21	6,958.21	47.91	241.19	38.65	-1,076.15	-8,542.19	9,650.48	9,364.92	285.56	33.795			
7,600.00	6,975.98	6,989.98	6,989.98	47.99	242.30	37.76	-1,076.15	-8,542.19	9,615.95	9,329.31	286.63	33.548			
7,650.00	7,004.98	7,018.98	7,018.98	48.09	243.31	37.40	-1,076.15	-8,542.19	9,578.75	9,291.16	287.59	33.306			
7,700.00	7,031.04	7,045.04	7,045.04	48.20	244.22	37.58	-1,076.15	-8,542.19	9,539.13	9,250.68	288.45	33.070			
7,750.00	7,053.99	7,067.99	7,067.99	48.32	245.02	38.39	-1,076.15	-8,542.19	9,497.31	9,208.12	289.19	32.841			
7,800.00	7,073.70	7,087.70	7,087.70	48.46	245.71	39.97	-1,076.15	-8,542.19	9,453.56	9,163.74	289.82	32.619			
7,850.00	7,090.03	7,104.03	7,104.03	48.62	246.28	42.63	-1,076.15	-8,542.19	9,408.13	9,117.80	290.33	32.404			
7,900.00	7,102.90	7,116.90	7,116.90	48.81	246.73	46.95	-1,076.15	-8,542.19	9,361.31	9,070.58	290.73	32.199			
7,950.00	7,112.22	7,126.22	7,126.22	49.02	247.05	54.08	-1,076.15	-8,542.19	9,313.37	9,022.36	291.02	32.003			
8,000.00	7,117.94	7,131.94	7,131.94	49.26	247.25	66.42	-1,076.15	-8,542.19	9,264.61	8,973.43	291.18	31.817			
8,047.82	7,120.00	7,134.00	7,134.00	49.51	247.32	86.92	-1,076.15	-8,542.19	9,217.48	8,926.25	291.23	31.650			
8,100.00	7,120.42	7,134.42	7,134.42	49.82	247.34	86.94	-1,076.15	-8,542.19	9,165.90	8,874.67	291.23	31.473			
8,200.00	7,121.24	7,135.24	7,135.24	50.53	247.37	86.97	-1,076.15	-8,542.19	9,067.05	8,775.82	291.23	31.134			
8,300.00	7,122.05	7,136.05	7,136.05	51.39	247.40	87.01	-1,076.15	-8,542.19	8,968.23	8,677.00	291.23	30.795			
8,400.00	7,122.86	7,136.86	7,136.86	52.42	247.42	87.04	-1,076.15	-8,542.19	8,869.43	8,578.20	291.24	30.455			
8,500.00	7,123.68	7,137.68	7,137.68	53.63	247.45	87.07	-1,076.15	-8,542.19	8,770.66	8,479.42	291.25	30.114			
8,600.00	7,124.49	7,138.49	7,138.49	55.01	247.48	87.11	-1,076.15	-8,542.19	8,671.92	8,380.66	291.27	29.773			
8,700.00	7,125.30	7,139.30	7,139.30	56.54	247.51	87.14	-1,076.15	-8,542.19	8,573.21	8,281.92	291.29	29.431			

CC - Min centre 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-14C-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-14C-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 - BLACKGOLD #3(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma														Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,800.00	7,126.12	7,140.12	7,140.12	58.21	247.54	87.17	-1,076.15	-8,542.19	8,474.53	8,183.20	291.33	29.089				
8,900.00	7,126.93	7,140.93	7,140.93	60.01	247.57	87.21	-1,076.15	-8,542.19	8,375.88	8,084.51	291.37	28.747				
9,000.00	7,127.75	7,141.75	7,141.75	61.92	247.60	87.24	-1,076.15	-8,542.19	8,277.26	7,985.85	291.42	28.403				
9,100.00	7,128.56	7,142.56	7,142.56	63.92	247.62	87.28	-1,076.15	-8,542.19	8,178.68	7,887.20	291.48	28.059				
9,200.00	7,129.37	7,143.37	7,143.37	66.01	247.65	87.31	-1,076.15	-8,542.19	8,080.13	7,788.59	291.54	27.715				
9,300.00	7,130.19	7,144.19	7,144.19	68.16	247.68	87.34	-1,076.15	-8,542.19	7,981.62	7,690.00	291.62	27.370				
9,400.00	7,131.00	7,145.00	7,145.00	70.38	247.71	87.38	-1,076.15	-8,542.19	7,883.14	7,591.43	291.71	27.024				
9,500.00	7,131.81	7,145.81	7,145.81	72.65	247.74	87.41	-1,076.15	-8,542.19	7,784.71	7,492.90	291.81	26.678				
9,600.00	7,132.63	7,146.63	7,146.63	74.97	247.77	87.44	-1,076.15	-8,542.19	7,686.31	7,394.39	291.92	26.331				
9,700.00	7,133.44	7,147.44	7,147.44	77.33	247.79	87.48	-1,076.15	-8,542.19	7,587.95	7,295.92	292.04	25.983				
9,800.00	7,134.25	7,148.25	7,148.25	79.72	247.82	87.51	-1,076.15	-8,542.19	7,489.64	7,197.47	292.17	25.634				
9,900.00	7,135.07	7,149.07	7,149.07	82.16	247.85	87.55	-1,076.15	-8,542.19	7,391.38	7,099.05	292.32	25.285				
10,000.00	7,135.88	7,149.88	7,149.88	84.62	247.88	87.58	-1,076.15	-8,542.19	7,293.16	7,000.67	292.49	24.935				
10,100.00	7,136.70	7,150.70	7,150.70	87.11	247.91	87.61	-1,076.15	-8,542.19	7,194.99	6,902.32	292.67	24.584				
10,200.00	7,137.51	7,151.51	7,151.51	89.62	247.94	87.65	-1,076.15	-8,542.19	7,096.87	6,804.00	292.86	24.233				
10,300.00	7,138.32	7,152.32	7,152.32	92.16	247.96	87.68	-1,076.15	-8,542.19	6,998.80	6,705.72	293.08	23.880				
10,400.00	7,139.14	7,153.14	7,153.14	94.71	247.99	87.71	-1,076.15	-8,542.19	6,900.79	6,607.48	293.31	23.527				
10,500.00	7,139.95	7,153.95	7,153.95	97.29	248.02	87.75	-1,076.15	-8,542.19	6,802.84	6,509.27	293.57	23.173				
10,600.00	7,140.76	7,154.76	7,154.76	99.88	248.05	87.78	-1,076.15	-8,542.19	6,704.95	6,411.10	293.84	22.818				
10,700.00	7,141.58	7,155.58	7,155.58	102.48	248.08	87.82	-1,076.15	-8,542.19	6,607.12	6,312.98	294.14	22.463				
10,800.00	7,142.39	7,156.39	7,156.39	105.10	248.11	87.85	-1,076.15	-8,542.19	6,509.35	6,214.89	294.46	22.106				
10,900.00	7,143.20	7,157.20	7,157.20	107.74	248.13	87.88	-1,076.15	-8,542.19	6,411.66	6,116.85	294.81	21.749				
11,000.00	7,144.02	7,158.02	7,158.02	110.38	248.16	87.92	-1,076.15	-8,542.19	6,314.04	6,018.85	295.18	21.390				
11,100.00	7,144.83	7,158.83	7,158.83	113.04	248.19	87.95	-1,076.15	-8,542.19	6,216.49	5,920.91	295.58	21.031				
11,200.00	7,145.65	7,159.65	7,159.65	115.71	248.22	87.98	-1,076.15	-8,542.19	6,119.02	5,823.01	296.01	20.671				
11,300.00	7,146.46	7,160.46	7,160.46	118.38	248.25	88.02	-1,076.15	-8,542.19	6,021.63	5,725.16	296.48	20.310				
11,400.00	7,147.27	7,161.27	7,161.27	121.07	248.28	88.05	-1,076.15	-8,542.19	5,924.34	5,627.36	296.98	19.949				
11,500.00	7,148.09	7,162.09	7,162.09	123.76	248.31	88.09	-1,076.15	-8,542.19	5,827.13	5,529.62	297.51	19.586				
11,600.00	7,148.90	7,162.90	7,162.90	126.46	248.33	88.12	-1,076.15	-8,542.19	5,730.02	5,431.93	298.08	19.223				
11,700.00	7,149.71	7,163.71	7,163.71	129.17	248.36	88.15	-1,076.15	-8,542.19	5,633.01	5,334.31	298.70	18.859				
11,800.00	7,150.53	7,164.53	7,164.53	131.89	248.39	88.19	-1,076.15	-8,542.19	5,536.11	5,236.75	299.35	18.494				
11,900.00	7,151.34	7,165.34	7,165.34	134.61	248.42	88.22	-1,076.15	-8,542.19	5,439.31	5,139.26	300.05	18.128				
12,000.00	7,152.16	7,166.16	7,166.16	137.34	248.45	88.25	-1,076.15	-8,542.19	5,342.64	5,041.84	300.80	17.761				
12,100.00	7,152.97	7,166.97	7,166.97	140.07	248.48	88.29	-1,076.15	-8,542.19	5,246.09	4,944.49	301.60	17.394				
12,200.00	7,153.78	7,167.78	7,167.78	142.81	248.50	88.32	-1,076.15	-8,542.19	5,149.67	4,847.22	302.45	17.026				
12,300.00	7,154.60	7,168.60	7,168.60	145.55	248.53	88.36	-1,076.15	-8,542.19	5,053.40	4,750.03	303.36	16.658				
12,400.00	7,155.41	7,169.41	7,169.41	148.30	248.56	88.39	-1,076.15	-8,542.19	4,957.27	4,652.93	304.33	16.289				
12,500.00	7,156.22	7,170.22	7,170.22	151.05	248.59	88.42	-1,076.15	-8,542.19	4,861.29	4,555.92	305.37	15.919				
12,600.00	7,157.04	7,171.04	7,171.04	153.80	248.62	88.46	-1,076.15	-8,542.19	4,765.48	4,459.01	306.47	15.550				
12,700.00	7,157.85	7,171.85	7,171.85	156.56	248.65	88.49	-1,076.15	-8,542.19	4,669.85	4,362.20	307.64	15.179				
12,800.00	7,158.66	7,172.66	7,172.66	159.33	248.67	88.52	-1,076.15	-8,542.19	4,574.40	4,265.51	308.89	14.809				
12,900.00	7,159.48	7,173.48	7,173.48	162.09	248.70	88.56	-1,076.15	-8,542.19	4,479.15	4,168.93	310.22	14.439				
13,000.00	7,160.29	7,174.29	7,174.29	164.86	248.73	88.59	-1,076.15	-8,542.19	4,384.11	4,072.48	311.63	14.068				
13,100.00	7,161.11	7,175.11	7,175.11	167.64	248.76	88.63	-1,076.15	-8,542.19	4,289.30	3,976.16	313.14	13.698				
13,209.97	7,162.00	7,176.00	7,176.00	170.69	248.79	88.66	-1,076.15	-8,542.19	4,185.31	3,870.41	314.91	13.291				
13,210.89	7,162.01	7,176.01	7,176.01	170.72	248.79	88.66	-1,076.15	-8,542.19	4,184.45	3,869.53	314.92	13.287 CC, ES, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-79.09	1,623.69	-8,425.86	8,580.87					
100.00	100.00	126.00	126.00	3.28	4.22	-79.09	1,623.69	-8,425.86	8,580.87	8,573.37	7.50	1,143.595		
200.00	200.00	226.00	226.00	3.34	6.96	-79.09	1,623.69	-8,425.86	8,580.87	8,570.57	10.30	832.942		
300.00	299.98	325.98	325.98	3.44	10.18	129.22	1,623.69	-8,425.86	8,581.98	8,568.36	13.62	630.221		
400.00	399.84	425.84	425.84	3.59	13.52	129.19	1,623.69	-8,425.86	8,585.29	8,568.17	17.12	501.620		
500.00	499.45	525.45	525.45	3.79	16.92	129.15	1,623.69	-8,425.86	8,590.81	8,570.10	20.71	414.826		
600.00	598.70	624.70	624.70	4.04	20.33	129.10	1,623.69	-8,425.86	8,598.53	8,574.17	24.36	352.932		
700.00	697.47	723.47	723.47	4.32	23.74	129.02	1,623.69	-8,425.86	8,608.46	8,580.41	28.06	306.833		
800.00	795.62	821.62	821.62	4.64	27.14	128.93	1,623.69	-8,425.86	8,620.60	8,588.83	31.77	271.313		
900.00	893.06	919.06	919.06	5.01	30.52	128.82	1,623.69	-8,425.86	8,634.94	8,599.43	35.51	243.192		
1,000.00	989.64	1,015.64	1,015.64	5.41	33.87	128.69	1,623.69	-8,425.86	8,651.48	8,612.24	39.25	220.438		
1,100.00	1,085.27	1,111.27	1,111.27	5.85	37.19	128.54	1,623.69	-8,425.86	8,670.23	8,627.24	42.99	201.691		
1,200.00	1,179.82	1,205.82	1,205.82	6.33	40.48	128.36	1,623.69	-8,425.86	8,691.16	8,644.44	46.72	186.012		
1,300.00	1,273.17	1,300.83	1,299.17	6.84	43.79	128.17	1,623.69	-8,425.86	8,714.29	8,663.79	50.51	172.534		
1,404.90	1,369.69	1,404.31	1,395.69	7.43	47.39	127.94	1,623.69	-8,425.86	8,740.91	8,686.26	54.64	159.961		
1,500.00	1,456.50	1,482.50	1,482.50	8.00	50.12	128.13	1,623.69	-8,425.86	8,766.17	8,708.30	57.87	151.479		
1,600.00	1,547.79	1,573.79	1,573.79	8.61	53.30	128.32	1,623.69	-8,425.86	8,792.84	8,731.25	61.59	142.759		
1,700.00	1,639.07	1,665.07	1,665.07	9.23	56.48	128.52	1,623.69	-8,425.86	8,819.63	8,754.30	65.33	135.008		
1,800.00	1,730.36	1,756.36	1,756.36	9.87	59.66	128.72	1,623.69	-8,425.86	8,846.51	8,777.44	69.07	128.078		
1,900.00	1,821.64	1,847.64	1,847.64	10.52	62.84	128.91	1,623.69	-8,425.86	8,873.51	8,800.69	72.82	121.847		
2,000.00	1,912.93	1,938.93	1,938.93	11.18	66.02	129.11	1,623.69	-8,425.86	8,900.61	8,824.03	76.59	116.218		
2,100.00	2,004.21	2,030.21	2,030.21	11.84	69.21	129.30	1,623.69	-8,425.86	8,927.82	8,847.47	80.35	111.110		
2,200.00	2,095.50	2,121.50	2,121.50	12.51	72.39	129.49	1,623.69	-8,425.86	8,955.12	8,871.00	84.12	106.455		
2,300.00	2,186.78	2,212.78	2,212.78	13.19	75.57	129.68	1,623.69	-8,425.86	8,982.54	8,894.64	87.90	102.195		
2,400.00	2,278.06	2,304.06	2,304.06	13.86	78.76	129.87	1,623.69	-8,425.86	9,010.05	8,918.38	91.67	98.285		
2,500.00	2,369.35	2,404.65	2,395.35	14.55	82.27	130.06	1,623.69	-8,425.86	9,037.66	8,941.89	95.78	94.362		
2,600.00	2,460.63	2,486.63	2,486.63	15.23	85.13	130.25	1,623.69	-8,425.86	9,065.38	8,966.14	99.23	91.353		
2,700.00	2,551.92	2,577.92	2,577.92	15.92	88.31	130.44	1,623.69	-8,425.86	9,093.19	8,990.17	103.02	88.268		
2,800.00	2,643.20	2,669.20	2,669.20	16.61	91.50	130.62	1,623.69	-8,425.86	9,121.10	9,014.30	106.80	85.402		
2,900.00	2,734.49	2,760.49	2,760.49	17.30	94.68	130.81	1,623.69	-8,425.86	9,149.11	9,038.52	110.59	82.732		
3,000.00	2,825.77	2,851.77	2,851.77	18.00	97.87	130.99	1,623.69	-8,425.86	9,177.21	9,062.84	114.37	80.238		
3,100.00	2,917.06	2,943.06	2,943.06	18.69	101.05	131.17	1,623.69	-8,425.86	9,205.41	9,087.25	118.16	77.905		
3,200.00	3,008.34	3,034.34	3,034.34	19.39	104.24	131.35	1,623.69	-8,425.86	9,233.70	9,111.75	121.95	75.718		
3,300.00	3,099.63	3,125.63	3,125.63	20.09	107.42	131.53	1,623.69	-8,425.86	9,262.09	9,136.35	125.74	73.663		
3,400.00	3,190.91	3,216.91	3,216.91	20.79	110.61	131.71	1,623.69	-8,425.86	9,290.57	9,161.04	129.52	71.728		
3,500.00	3,282.20	3,308.20	3,308.20	21.49	113.79	131.89	1,623.69	-8,425.86	9,319.14	9,185.83	133.31	69.905		
3,600.00	3,373.48	3,400.52	3,399.48	22.19	117.01	132.07	1,623.69	-8,425.86	9,347.80	9,210.67	137.14	68.164		
3,700.00	3,464.77	3,509.23	3,490.77	22.89	120.81	132.25	1,623.69	-8,425.86	9,376.55	9,235.02	141.53	66.250		
3,800.00	3,556.05	3,582.05	3,582.05	23.60	123.35	132.42	1,623.69	-8,425.86	9,405.40	9,260.72	144.67	65.011		
3,900.00	3,647.34	3,673.34	3,673.34	24.30	126.53	132.60	1,623.69	-8,425.86	9,434.33	9,285.86	148.46	63.547		
4,000.00	3,738.62	3,764.62	3,764.62	25.00	129.72	132.77	1,623.69	-8,425.86	9,463.34	9,311.10	152.25	62.157		
4,100.00	3,829.91	3,855.91	3,855.91	25.71	132.90	132.94	1,623.69	-8,425.86	9,492.45	9,336.41	156.04	60.835		
4,200.00	3,921.19	3,947.19	3,947.19	26.42	136.09	133.11	1,623.69	-8,425.86	9,521.64	9,361.82	159.82	59.577		
4,300.00	4,012.48	4,038.48	4,038.48	27.12	139.28	133.28	1,623.69	-8,425.86	9,550.92	9,387.31	163.61	58.377		
4,400.00	4,103.76	4,129.76	4,129.76	27.83	142.46	133.45	1,623.69	-8,425.86	9,580.28	9,412.89	167.39	57.233		
4,500.00	4,195.05	4,221.05	4,221.05	28.54	145.65	133.62	1,623.69	-8,425.86	9,609.72	9,438.55	171.18	56.140		
4,600.00	4,286.33	4,312.33	4,312.33	29.24	148.83	133.79	1,623.69	-8,425.86	9,639.25	9,464.29	174.96	55.094		
4,700.00	4,377.62	4,403.62	4,403.62	29.95	152.02	133.96	1,623.69	-8,425.86	9,668.86	9,490.12	178.74	54.094		
4,800.00	4,468.90	4,505.10	4,494.90	30.66	155.56	134.12	1,623.69	-8,425.86	9,698.55	9,515.67	182.88	53.032		
4,900.00	4,560.19	4,586.19	4,586.19	31.37	158.39	134.29	1,623.69	-8,425.86	9,728.33	9,542.02	186.31	52.217		
5,000.00	4,651.47	4,677.47	4,677.47	32.08	161.58	134.45	1,623.69	-8,425.86	9,758.18	9,568.09	190.09	51.335		

CC - Min centre 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-14C-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-14C-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			
5,100.00	4,742.76	4,768.76	4,768.76	32.79	164.76	134.62	1,623.69	-8,425.86	9,788.11	9,594.24	193.87	50.488			
5,200.00	4,834.04	4,860.04	4,860.04	33.50	167.95	134.78	1,623.69	-8,425.86	9,818.12	9,620.47	197.65	49.674			
5,300.00	4,925.33	4,951.33	4,951.33	34.21	171.14	134.94	1,623.69	-8,425.86	9,848.21	9,646.78	201.43	48.892			
5,400.00	5,016.61	5,042.61	5,042.61	34.92	174.32	135.10	1,623.69	-8,425.86	9,878.37	9,673.16	205.21	48.139			
5,500.00	5,107.90	5,133.90	5,133.90	35.63	177.51	135.26	1,623.69	-8,425.86	9,908.61	9,699.63	208.99	47.413			
5,600.00	5,199.18	5,225.18	5,225.18	36.34	180.70	135.42	1,623.69	-8,425.86	9,938.93	9,726.17	212.76	46.714			
5,700.00	5,290.46	5,316.46	5,316.46	37.05	183.88	135.58	1,623.69	-8,425.86	9,969.32	9,752.78	216.54	46.039			
5,800.00	5,381.75	5,407.75	5,407.75	37.76	187.07	135.73	1,623.69	-8,425.86	9,999.79	9,779.47	220.32	45.389			
7,950.00	7,112.22	7,138.22	7,138.22	49.02	247.47	73.78	1,623.69	-8,425.86	9,973.10	9,684.46	288.64	34.552			
8,000.00	7,117.94	7,143.94	7,143.94	49.26	247.67	80.85	1,623.69	-8,425.86	9,928.69	9,639.85	288.85	34.374			
8,047.82	7,120.00	7,146.00	7,146.00	49.51	247.74	88.97	1,623.69	-8,425.86	9,885.44	9,596.50	288.94	34.213			
8,100.00	7,120.42	7,146.42	7,146.42	49.82	247.76	88.98	1,623.69	-8,425.86	9,837.93	9,548.94	288.99	34.042			
8,200.00	7,121.24	7,147.24	7,147.24	50.53	247.79	88.99	1,623.69	-8,425.86	9,747.02	9,457.90	289.12	33.713			
8,300.00	7,122.05	7,148.05	7,148.05	51.39	247.82	89.00	1,623.69	-8,425.86	9,656.29	9,367.00	289.29	33.379			
8,400.00	7,122.86	7,148.86	7,148.86	52.42	247.84	89.01	1,623.69	-8,425.86	9,565.74	9,276.24	289.51	33.042			
8,500.00	7,123.68	7,149.68	7,149.68	53.63	247.87	89.02	1,623.69	-8,425.86	9,475.38	9,185.62	289.77	32.700			
8,600.00	7,124.49	7,150.49	7,150.49	55.01	247.90	89.03	1,623.69	-8,425.86	9,385.22	9,095.14	290.08	32.354			
8,700.00	7,125.30	7,151.30	7,151.30	56.54	247.93	89.05	1,623.69	-8,425.86	9,295.26	9,004.82	290.44	32.004			
8,800.00	7,126.12	7,152.12	7,152.12	58.21	247.96	89.06	1,623.69	-8,425.86	9,205.51	8,914.65	290.86	31.649			
8,900.00	7,126.93	7,152.93	7,152.93	60.01	247.99	89.07	1,623.69	-8,425.86	9,115.97	8,824.64	291.33	31.291			
9,000.00	7,127.75	7,153.75	7,153.75	61.92	248.01	89.08	1,623.69	-8,425.86	9,026.65	8,734.80	291.85	30.929			
9,100.00	7,128.56	7,154.56	7,154.56	63.92	248.04	89.09	1,623.69	-8,425.86	8,937.55	8,645.13	292.43	30.563			
9,200.00	7,129.37	7,155.37	7,155.37	66.01	248.07	89.10	1,623.69	-8,425.86	8,848.69	8,555.63	293.07	30.193			
9,300.00	7,130.19	7,156.19	7,156.19	68.16	248.10	89.11	1,623.69	-8,425.86	8,760.07	8,466.31	293.76	29.820			
9,400.00	7,131.00	7,157.00	7,157.00	70.38	248.13	89.13	1,623.69	-8,425.86	8,671.70	8,377.18	294.52	29.444			
9,500.00	7,131.81	7,157.81	7,157.81	72.65	248.16	89.14	1,623.69	-8,425.86	8,583.58	8,288.25	295.33	29.064			
9,600.00	7,132.63	7,158.63	7,158.63	74.97	248.18	89.15	1,623.69	-8,425.86	8,495.72	8,199.51	296.21	28.681			
9,700.00	7,133.44	7,159.44	7,159.44	77.33	248.21	89.16	1,623.69	-8,425.86	8,408.14	8,110.99	297.15	28.296			
9,800.00	7,134.25	7,160.25	7,160.25	79.72	248.24	89.17	1,623.69	-8,425.86	8,320.84	8,022.68	298.15	27.908			
9,900.00	7,135.07	7,161.07	7,161.07	82.16	248.27	89.18	1,623.69	-8,425.86	8,233.82	7,934.60	299.22	27.518			
10,000.00	7,135.88	7,161.88	7,161.88	84.62	248.30	89.19	1,623.69	-8,425.86	8,147.10	7,846.75	300.35	27.125			
10,100.00	7,136.70	7,162.70	7,162.70	87.11	248.33	89.21	1,623.69	-8,425.86	8,060.69	7,759.15	301.54	26.732			
10,200.00	7,137.51	7,163.51	7,163.51	89.62	248.35	89.22	1,623.69	-8,425.86	7,974.60	7,671.80	302.80	26.336			
10,300.00	7,138.32	7,164.32	7,164.32	92.16	248.38	89.23	1,623.69	-8,425.86	7,888.83	7,584.71	304.12	25.940			
10,400.00	7,139.14	7,165.14	7,165.14	94.71	248.41	89.24	1,623.69	-8,425.86	7,803.41	7,497.90	305.51	25.542			
10,500.00	7,139.95	7,165.95	7,165.95	97.29	248.44	89.25	1,623.69	-8,425.86	7,718.33	7,411.37	306.97	25.144			
10,600.00	7,140.76	7,166.76	7,166.76	99.88	248.47	89.26	1,623.69	-8,425.86	7,633.62	7,325.13	308.49	24.745			
10,700.00	7,141.58	7,167.58	7,167.58	102.48	248.50	89.27	1,623.69	-8,425.86	7,549.28	7,239.21	310.07	24.347			
10,800.00	7,142.39	7,168.39	7,168.39	105.10	248.53	89.29	1,623.69	-8,425.86	7,465.32	7,153.60	311.72	23.949			
10,900.00	7,143.20	7,169.20	7,169.20	107.74	248.55	89.30	1,623.69	-8,425.86	7,381.77	7,068.33	313.44	23.551			
11,000.00	7,144.02	7,170.02	7,170.02	110.38	248.58	89.31	1,623.69	-8,425.86	7,298.63	6,983.40	315.23	23.153			
11,100.00	7,144.83	7,170.83	7,170.83	113.04	248.61	89.32	1,623.69	-8,425.86	7,215.92	6,898.83	317.08	22.757			
11,200.00	7,145.65	7,171.65	7,171.65	115.71	248.64	89.33	1,623.69	-8,425.86	7,133.65	6,814.64	319.01	22.362			
11,300.00	7,146.46	7,172.46	7,172.46	118.38	248.67	89.34	1,623.69	-8,425.86	7,051.84	6,730.84	321.00	21.968			
11,400.00	7,147.27	7,173.27	7,173.27	121.07	248.70	89.35	1,623.69	-8,425.86	6,970.50	6,647.44	323.06	21.577			
11,500.00	7,148.09	7,174.09	7,174.09	123.76	248.72	89.37	1,623.69	-8,425.86	6,889.65	6,564.46	325.19	21.187			
11,600.00	7,148.90	7,174.90	7,174.90	126.46	248.75	89.38	1,623.69	-8,425.86	6,809.32	6,481.93	327.39	20.799			
11,700.00	7,149.71	7,175.71	7,175.71	129.17	248.78	89.39	1,623.69	-8,425.86	6,729.51	6,399.85	329.66	20.414			
11,800.00	7,150.53	7,176.53	7,176.53	131.89	248.81	89.40	1,623.69	-8,425.86	6,650.24	6,318.24	332.00	20.031			
11,900.00	7,151.34	7,177.34	7,177.34	134.61	248.84	89.41	1,623.69	-8,425.86	6,571.54	6,237.13	334.41	19.651			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
12,000.00	7,152.16	7,178.16	7,178.16	137.34	248.87	89.42	1,623.69	-8,425.86	6,493.43	6,156.53	336.90	19.274		
12,100.00	7,152.97	7,178.97	7,178.97	140.07	248.89	89.43	1,623.69	-8,425.86	6,415.92	6,076.47	339.46	18.901		
12,200.00	7,153.78	7,179.78	7,179.78	142.81	248.92	89.45	1,623.69	-8,425.86	6,339.05	5,996.96	342.09	18.531		
12,300.00	7,154.60	7,180.60	7,180.60	145.55	248.95	89.46	1,623.69	-8,425.86	6,262.82	5,918.03	344.79	18.164		
12,400.00	7,155.41	7,181.41	7,181.41	148.30	248.98	89.47	1,623.69	-8,425.86	6,187.28	5,839.71	347.57	17.801		
12,500.00	7,156.22	7,182.22	7,182.22	151.05	249.01	89.48	1,623.69	-8,425.86	6,112.44	5,762.01	350.43	17.443		
12,600.00	7,157.04	7,183.04	7,183.04	153.80	249.04	89.49	1,623.69	-8,425.86	6,038.32	5,684.96	353.36	17.088		
12,700.00	7,157.85	7,183.85	7,183.85	156.56	249.06	89.50	1,623.69	-8,425.86	5,964.96	5,608.60	356.36	16.739		
12,800.00	7,158.66	7,184.66	7,184.66	159.33	249.09	89.51	1,623.69	-8,425.86	5,892.38	5,532.94	359.44	16.393		
12,900.00	7,159.48	7,185.48	7,185.48	162.09	249.12	89.53	1,623.69	-8,425.86	5,820.62	5,458.02	362.60	16.052		
13,000.00	7,160.29	7,186.29	7,186.29	164.86	249.15	89.54	1,623.69	-8,425.86	5,749.70	5,383.87	365.84	15.717		
13,100.00	7,161.11	7,187.11	7,187.11	167.64	249.18	89.55	1,623.69	-8,425.86	5,679.66	5,310.51	369.15	15.386		
13,209.97	7,162.00	7,188.00	7,188.00	170.69	249.21	89.56	1,623.69	-8,425.86	5,603.68	5,230.80	372.88	15.028		
13,210.89	7,162.01	7,188.01	7,188.01	170.72	249.21	89.56	1,623.69	-8,425.86	5,603.05	5,230.14	372.91	15.025 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-166.59	-2,591.30	-618.00	2,663.99					
100.00	100.00	83.68	83.68	3.28	3.28	-166.59	-2,591.42	-618.01	2,664.10	2,657.53	6.57	405.517		
200.00	200.00	188.60	188.60	3.34	3.33	-166.59	-2,591.68	-617.92	2,664.33	2,657.66	6.67	399.429		
300.00	299.98	282.71	282.71	3.44	3.43	41.76	-2,591.89	-617.76	2,663.20	2,656.33	6.87	387.758		
400.00	399.84	381.99	381.99	3.59	3.58	41.89	-2,592.22	-617.85	2,659.64	2,652.48	7.17	371.115		
500.00	499.45	484.20	484.20	3.79	3.77	42.10	-2,592.48	-618.03	2,653.44	2,645.88	7.56	350.882		
600.00	598.70	582.54	582.54	4.04	4.00	42.40	-2,592.70	-618.12	2,644.63	2,636.61	8.03	329.354		
700.00	697.47	692.21	692.21	4.32	4.28	42.80	-2,592.84	-618.05	2,633.16	2,624.57	8.60	306.342		
800.00	795.62	783.28	783.27	4.64	4.54	43.26	-2,592.81	-618.00	2,619.06	2,609.89	9.17	285.627		
900.00	893.06	877.22	877.22	5.01	4.83	43.81	-2,592.97	-618.22	2,602.76	2,592.96	9.80	265.513		
1,000.00	989.64	987.95	987.94	5.41	5.18	44.53	-2,593.02	-618.26	2,583.95	2,573.42	10.54	245.269		
1,100.00	1,085.27	1,076.00	1,076.00	5.85	5.48	45.25	-2,592.86	-618.18	2,562.60	2,551.36	11.24	228.065		
1,200.00	1,179.82	1,167.63	1,167.63	6.33	5.80	46.09	-2,592.95	-618.26	2,539.31	2,527.32	11.99	211.803		
1,300.00	1,273.17	1,259.55	1,259.54	6.84	6.13	47.03	-2,593.08	-618.29	2,513.94	2,501.16	12.78	196.691		
1,404.90	1,369.69	1,356.88	1,356.87	7.43	6.48	48.14	-2,593.28	-618.28	2,485.20	2,471.55	13.66	181.993		
1,500.00	1,456.50	1,444.83	1,444.82	8.00	6.81	48.79	-2,593.42	-618.17	2,458.27	2,443.80	14.48	169.827		
1,600.00	1,547.79	1,536.78	1,536.78	8.61	7.16	49.48	-2,593.55	-618.11	2,430.30	2,414.94	15.36	158.262		
1,700.00	1,639.07	1,628.90	1,628.90	9.23	7.51	50.18	-2,593.68	-617.84	2,402.62	2,386.36	16.26	147.766		
1,800.00	1,730.36	1,718.29	1,718.29	9.87	7.86	50.88	-2,593.76	-617.90	2,375.38	2,358.20	17.17	138.319		
1,900.00	1,821.64	1,812.63	1,812.63	10.52	8.22	51.64	-2,593.86	-617.84	2,348.50	2,330.38	18.12	129.601		
2,000.00	1,912.93	1,910.98	1,910.97	11.18	8.61	52.44	-2,593.73	-617.75	2,321.82	2,302.72	19.10	121.580		
2,100.00	2,004.21	1,988.42	1,988.42	11.84	8.92	53.09	-2,593.72	-617.89	2,295.74	2,275.72	20.02	114.681		
2,200.00	2,095.50	2,079.02	2,079.01	12.51	9.28	53.87	-2,593.92	-618.22	2,270.37	2,249.37	21.00	108.120		
2,300.00	2,186.78	2,177.19	2,177.18	13.19	9.67	54.73	-2,593.97	-618.62	2,245.32	2,223.31	22.02	101.986		
2,400.00	2,278.06	2,270.99	2,270.98	13.86	10.05	55.57	-2,593.78	-618.91	2,220.50	2,197.47	23.03	96.419		
2,500.00	2,369.35	2,367.83	2,367.83	14.55	10.44	56.46	-2,593.54	-619.01	2,196.06	2,172.00	24.06	91.261		
2,600.00	2,460.63	2,461.25	2,461.24	15.23	10.82	57.32	-2,593.18	-618.82	2,171.88	2,146.79	25.10	86.543		
2,700.00	2,551.92	2,552.61	2,552.60	15.92	11.19	58.18	-2,592.84	-618.61	2,148.21	2,122.08	26.13	82.206		
2,800.00	2,643.20	2,642.92	2,642.91	16.61	11.56	59.05	-2,592.48	-618.42	2,125.06	2,097.89	27.17	78.200		
2,900.00	2,734.49	2,730.67	2,730.66	17.30	11.92	59.90	-2,592.33	-618.07	2,102.55	2,074.33	28.22	74.510		
3,000.00	2,825.77	2,817.98	2,817.97	18.00	12.28	60.76	-2,592.35	-617.82	2,080.80	2,051.53	29.27	71.090		
3,100.00	2,917.06	2,911.46	2,911.45	18.69	12.66	61.71	-2,592.20	-617.86	2,059.64	2,029.29	30.35	67.863		
3,200.00	3,008.34	3,003.29	3,003.27	19.39	13.04	62.67	-2,591.90	-618.03	2,039.03	2,007.59	31.43	64.869		
3,300.00	3,099.63	3,090.40	3,090.38	20.09	13.40	63.59	-2,591.78	-618.07	2,019.12	1,986.61	32.51	62.109		
3,400.00	3,190.91	3,177.04	3,177.02	20.79	13.76	64.51	-2,591.90	-618.10	2,000.04	1,966.45	33.59	59.541		
3,500.00	3,282.20	3,267.34	3,267.33	21.49	14.13	65.49	-2,592.12	-618.25	1,981.78	1,947.09	34.69	57.125		
3,600.00	3,373.48	3,358.34	3,358.33	22.19	14.51	66.48	-2,592.52	-618.15	1,964.18	1,928.38	35.80	54.865		
3,700.00	3,464.77	3,448.15	3,448.13	22.89	14.89	67.47	-2,592.96	-618.09	1,947.32	1,910.41	36.91	52.756		
3,800.00	3,556.05	3,537.08	3,537.06	23.60	15.26	68.47	-2,593.49	-618.06	1,931.26	1,893.23	38.03	50.788		
3,900.00	3,647.34	3,626.09	3,626.07	24.30	15.63	69.48	-2,594.13	-618.09	1,916.04	1,876.90	39.14	48.948		
4,000.00	3,738.62	3,716.86	3,716.83	25.00	16.01	70.53	-2,594.87	-618.16	1,901.64	1,861.36	40.27	47.218		
4,100.00	3,829.91	3,810.11	3,810.09	25.71	16.40	71.62	-2,595.59	-618.22	1,887.95	1,846.53	41.42	45.586		
4,200.00	3,921.19	3,902.80	3,902.78	26.42	16.79	72.71	-2,596.29	-618.19	1,874.95	1,832.40	42.56	44.056		
4,300.00	4,012.48	3,990.37	3,990.34	27.12	17.16	73.75	-2,597.06	-618.16	1,862.81	1,819.12	43.69	42.640		
4,400.00	4,103.76	4,081.43	4,081.40	27.83	17.54	74.84	-2,597.98	-618.17	1,851.57	1,806.74	44.83	41.302		
4,500.00	4,195.05	4,175.17	4,175.12	28.54	17.94	75.98	-2,599.01	-618.04	1,841.10	1,795.12	45.98	40.039		
4,600.00	4,286.33	4,265.23	4,265.18	29.24	18.32	77.07	-2,600.08	-617.78	1,831.38	1,784.26	47.12	38.863		
4,700.00	4,377.62	4,357.35	4,357.29	29.95	18.71	78.20	-2,601.16	-617.66	1,822.58	1,774.31	48.27	37.756		
4,800.00	4,468.90	4,446.39	4,446.33	30.66	19.08	79.31	-2,601.97	-617.69	1,814.57	1,765.16	49.41	36.725		
4,900.00	4,560.19	4,534.38	4,534.32	31.37	19.45	80.43	-2,602.60	-618.20	1,807.70	1,757.16	50.54	35.766		
5,000.00	4,651.47	4,628.22	4,628.16	32.08	19.85	81.63	-2,603.25	-618.72	1,801.68	1,749.98	51.70	34.851		

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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-14C-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Minimum Separation	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,100.00	4,742.76	4,723.29	4,723.22	32.79	20.25	82.84	-2,603.98	-619.04	1,796.44	1,743.59	52.85	33.990					
5,200.00	4,834.04	4,822.75	4,822.68	33.50	20.67	84.11	-2,604.85	-618.80	1,791.71	1,737.69	54.02	33.167					
5,300.00	4,925.33	4,914.76	4,914.68	34.21	21.06	85.28	-2,605.71	-618.35	1,787.69	1,732.54	55.16	32.412					
5,400.00	5,016.61	5,006.45	5,006.37	34.92	21.45	86.45	-2,606.41	-617.98	1,784.56	1,728.27	56.29	31.705					
5,500.00	5,107.90	5,099.13	5,099.04	35.63	21.84	87.65	-2,606.92	-617.70	1,782.29	1,724.87	57.41	31.042					
5,600.00	5,199.18	5,188.13	5,188.04	36.34	22.22	88.80	-2,607.32	-617.53	1,780.96	1,722.44	58.52	30.432					
5,685.88	5,277.58	5,266.41	5,266.32	36.95	22.55	89.82	-2,607.65	-617.46	1,780.62	1,721.15	59.48	29.939					
5,700.00	5,290.46	5,279.33	5,279.24	37.05	22.61	89.99	-2,607.70	-617.45	1,780.63	1,721.00	59.63	29.860					
5,800.00	5,381.75	5,371.09	5,371.00	37.76	22.99	91.19	-2,608.01	-617.41	1,781.22	1,720.48	60.74	29.327					
5,900.00	5,473.03	5,460.75	5,460.66	38.47	23.38	92.36	-2,608.28	-617.40	1,782.74	1,720.91	61.83	28.835					
6,000.00	5,564.32	5,550.57	5,550.48	39.18	23.76	93.52	-2,608.65	-617.47	1,785.30	1,722.39	62.91	28.381					
6,100.00	5,655.60	5,640.11	5,640.02	39.90	24.14	94.69	-2,609.00	-617.61	1,788.83	1,724.86	63.97	27.962					
6,200.00	5,746.89	5,728.24	5,728.15	40.61	24.51	95.83	-2,609.31	-617.91	1,793.43	1,728.40	65.03	27.580					
6,300.00	5,838.17	5,816.68	5,816.59	41.32	24.89	96.97	-2,609.61	-618.39	1,799.09	1,733.02	66.07	27.230					
6,400.00	5,929.46	5,906.22	5,906.12	42.03	25.27	98.13	-2,609.79	-619.04	1,805.77	1,738.67	67.11	26.908					
6,500.00	6,020.74	5,991.67	5,991.57	42.74	25.63	99.23	-2,609.74	-619.92	1,813.55	1,745.44	68.11	26.626					
6,600.00	6,112.03	6,078.98	6,078.87	43.46	26.00	100.36	-2,609.57	-621.09	1,822.47	1,753.36	69.11	26.369					
6,700.00	6,203.31	6,168.08	6,167.97	44.17	26.37	101.50	-2,609.37	-622.44	1,832.44	1,762.32	70.12	26.135					
6,800.00	6,294.60	6,258.86	6,258.73	44.88	26.76	102.66	-2,609.01	-623.90	1,843.34	1,772.22	71.11	25.921					
6,900.00	6,385.88	6,347.63	6,347.48	45.59	27.14	103.78	-2,608.58	-625.37	1,855.13	1,783.04	72.09	25.733					
6,927.91	6,411.36	6,371.77	6,371.63	45.79	27.24	104.09	-2,608.46	-625.79	1,858.61	1,786.26	72.36	25.687					
6,950.00	6,431.59	6,390.95	6,390.80	45.95	27.32	100.24	-2,608.36	-626.15	1,861.05	1,788.49	72.56	25.647					
7,000.00	6,477.77	6,435.96	6,435.80	46.27	27.51	90.50	-2,608.14	-627.00	1,863.99	1,790.97	73.02	25.525					
7,050.00	6,524.26	6,481.64	6,481.48	46.56	27.70	79.74	-2,607.90	-627.88	1,863.30	1,789.84	73.46	25.365					
7,100.00	6,570.76	6,529.25	6,529.07	46.81	27.91	68.86	-2,607.63	-628.80	1,858.94	1,785.07	73.87	25.165					
7,150.00	6,617.00	6,577.84	6,577.65	47.02	28.11	58.75	-2,607.33	-629.70	1,850.87	1,776.62	74.25	24.927					
7,200.00	6,662.68	6,626.15	6,625.96	47.20	28.32	49.97	-2,607.01	-630.53	1,839.10	1,764.51	74.60	24.654					
7,250.00	6,707.53	6,673.84	6,673.64	47.34	28.52	42.66	-2,606.68	-631.27	1,823.69	1,748.78	74.90	24.347					
7,300.00	6,751.28	6,720.26	6,720.05	47.47	28.72	36.71	-2,606.36	-631.93	1,804.70	1,729.52	75.18	24.006					
7,350.00	6,793.64	6,765.04	6,764.82	47.57	28.91	31.89	-2,605.98	-632.52	1,782.24	1,706.83	75.42	23.632					
7,400.00	6,834.35	6,808.03	6,807.81	47.66	29.09	27.95	-2,605.54	-633.04	1,756.44	1,680.81	75.63	23.225					
7,450.00	6,873.18	6,847.76	6,847.53	47.75	29.26	24.68	-2,605.02	-633.50	1,727.45	1,651.66	75.80	22.790					
7,500.00	6,909.88	6,885.46	6,885.23	47.83	29.42	21.92	-2,604.44	-633.93	1,695.46	1,619.51	75.95	22.323					
7,550.00	6,944.21	6,918.14	6,917.90	47.91	29.55	19.48	-2,603.85	-634.31	1,660.64	1,584.58	76.06	21.833					
7,600.00	6,975.98	6,946.84	6,946.59	47.99	29.68	17.25	-2,603.28	-634.71	1,623.26	1,547.12	76.14	21.319					
7,650.00	7,004.98	6,973.22	6,972.96	48.09	29.79	15.12	-2,602.71	-635.13	1,583.53	1,507.32	76.21	20.779					
7,700.00	7,031.04	6,997.12	6,996.85	48.20	29.89	12.96	-2,602.16	-635.56	1,541.66	1,465.39	76.27	20.214					
7,750.00	7,053.99	7,019.08	7,018.80	48.32	29.98	10.58	-2,601.61	-635.99	1,497.86	1,421.54	76.32	19.626					
7,800.00	7,073.70	7,038.24	7,037.95	48.46	30.06	7.69	-2,601.11	-636.38	1,452.39	1,376.02	76.37	19.018					
7,850.00	7,090.03	7,148.54	7,051.16	48.62	30.54	3.70	-2,600.84	-636.60	1,405.44	1,328.63	76.81	18.298					
7,900.00	7,102.90	7,134.67	7,065.03	48.81	30.48	-2.36	-2,600.39	-636.94	1,357.42	1,280.68	76.74	17.689					
7,950.00	7,112.22	7,124.27	7,075.42	49.02	30.43	-13.27	-2,600.05	-637.19	1,308.54	1,231.84	76.70	17.060					
8,000.00	7,117.94	7,117.41	7,082.27	49.26	30.40	-35.84	-2,599.83	-637.36	1,259.09	1,182.39	76.70	16.417					
8,047.82	7,120.00	7,114.20	7,085.47	49.51	30.39	-74.06	-2,599.72	-637.44	1,211.55	1,134.83	76.73	15.791					
8,100.00	7,120.42	7,112.50	7,087.18	49.82	30.38	-74.78	-2,599.67	-637.48	1,159.68	1,082.90	76.78	15.103					
8,200.00	7,121.24	7,109.24	7,090.44	50.53	30.37	-76.19	-2,599.56	-637.56	1,060.35	983.43	76.91	13.786					
8,300.00	7,122.05	7,105.98	7,093.69	51.39	30.35	-77.61	-2,599.45	-637.64	961.14	884.06	77.08	12.469					
8,400.00	7,122.86	7,102.71	7,096.95	52.42	30.34	-79.05	-2,599.35	-637.72	862.10	784.80	77.30	11.153					
8,500.00	7,123.68	7,100.55	7,100.21	53.63	30.33	-80.51	-2,599.24	-637.80	763.30	685.70	77.60	9.837					
8,600.00	7,124.49	7,103.81	7,103.47	55.01	30.34	-81.98	-2,599.14	-637.88	664.84	586.82	78.03	8.521					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,700.00	7,125.30	7,107.07	7,106.73	56.54	30.36	-83.47	-2,599.03	-637.96	566.90	488.27	78.63	7.210		
8,800.00	7,126.12	7,110.33	7,109.99	58.21	30.37	-84.97	-2,598.92	-638.04	469.81	390.29	79.53	5.908		
8,900.00	7,126.93	7,113.60	7,113.25	60.01	30.39	-86.48	-2,598.82	-638.12	374.23	293.26	80.97	4.622		
9,000.00	7,127.75	7,116.86	7,116.51	61.92	30.40	-87.99	-2,598.71	-638.20	281.69	198.18	83.51	3.373		
9,100.00	7,128.56	7,120.12	7,119.77	63.92	30.41	-89.51	-2,598.61	-638.28	196.54	108.14	88.40	2.223		
9,200.00	7,129.37	7,123.38	7,123.03	66.01	30.43	-91.04	-2,598.50	-638.36	133.74	37.95	95.79	1.396	Level 3	
9,253.82	7,129.81	7,125.14	7,124.78	67.16	30.44	-91.86	-2,598.44	-638.40	122.45	26.47	95.98	1.276	Level 3, CC, ES, SF	
9,300.00	7,130.19	7,126.65	7,126.29	68.16	30.44	-92.56	-2,598.39	-638.44	130.86	39.54	91.32	1.433	Level 3	
9,400.00	7,131.00	7,129.91	7,129.55	70.38	30.46	-94.09	-2,598.29	-638.52	190.63	110.12	80.52	2.368		
9,500.00	7,131.81	7,133.17	7,132.81	72.65	30.47	-95.61	-2,598.18	-638.60	274.84	198.45	76.39	3.598		
9,600.00	7,132.63	7,136.43	7,136.07	74.97	30.49	-97.13	-2,598.08	-638.68	367.03	291.94	75.09	4.888		
9,700.00	7,133.44	7,139.69	7,139.33	77.33	30.50	-98.64	-2,597.97	-638.76	462.45	387.77	74.68	6.192		
9,800.00	7,134.25	7,142.96	7,142.59	79.72	30.51	-100.13	-2,597.86	-638.83	559.46	484.89	74.57	7.502		
9,900.00	7,135.07	7,146.22	7,145.85	82.16	30.53	-101.62	-2,597.76	-638.91	657.35	582.77	74.58	8.814		
10,000.00	7,135.88	7,149.48	7,149.11	84.62	30.54	-103.10	-2,597.65	-638.99	755.77	681.14	74.63	10.127		
10,100.00	7,136.70	7,152.74	7,152.37	87.11	30.56	-104.56	-2,597.55	-639.07	854.55	779.86	74.70	11.440		
10,200.00	7,137.51	7,156.01	7,155.63	89.62	30.57	-106.00	-2,597.44	-639.15	953.58	878.81	74.77	12.753		
10,300.00	7,138.32	7,159.27	7,158.89	92.16	30.58	-107.43	-2,597.33	-639.23	1,052.77	977.93	74.84	14.066		
10,400.00	7,139.14	7,162.53	7,162.14	94.71	30.60	-108.83	-2,597.23	-639.31	1,152.10	1,077.18	74.92	15.378		
10,500.00	7,139.95	7,165.79	7,165.40	97.29	30.61	-110.22	-2,597.12	-639.39	1,251.53	1,176.54	74.99	16.690		
10,600.00	7,140.76	7,169.05	7,168.66	99.88	30.63	-111.58	-2,597.02	-639.47	1,351.03	1,275.97	75.06	18.000		
10,700.00	7,141.58	7,172.32	7,171.92	102.48	30.64	-112.92	-2,596.91	-639.55	1,450.59	1,375.47	75.12	19.310		
10,800.00	7,142.39	7,175.58	7,175.18	105.10	30.66	-114.24	-2,596.80	-639.63	1,550.21	1,475.02	75.19	20.618		
10,900.00	7,143.20	7,178.84	7,178.44	107.74	30.67	-115.53	-2,596.70	-639.71	1,649.86	1,574.61	75.25	21.926		
11,000.00	7,144.02	7,182.10	7,181.70	110.38	30.68	-116.80	-2,596.59	-639.79	1,749.55	1,674.24	75.31	23.232		
11,100.00	7,144.83	7,185.37	7,184.96	113.04	30.70	-118.04	-2,596.49	-639.87	1,849.26	1,773.89	75.37	24.537		
11,200.00	7,145.65	7,188.63	7,188.22	115.71	30.71	-119.25	-2,596.38	-639.95	1,949.00	1,873.58	75.42	25.841		
11,300.00	7,146.46	7,191.89	7,191.48	118.38	30.73	-120.44	-2,596.27	-640.03	2,048.76	1,973.28	75.48	27.143		
11,400.00	7,147.27	7,195.15	7,194.74	121.07	30.74	-121.61	-2,596.17	-640.11	2,148.53	2,073.00	75.53	28.444		
11,500.00	7,148.09	7,198.41	7,198.00	123.76	30.76	-122.74	-2,596.06	-640.19	2,248.33	2,172.74	75.59	29.744		
11,600.00	7,148.90	7,201.68	7,201.26	126.46	30.77	-123.85	-2,595.96	-640.27	2,348.13	2,272.49	75.64	31.042		
11,700.00	7,149.71	7,204.94	7,204.52	129.17	30.78	-124.94	-2,595.85	-640.35	2,447.95	2,372.25	75.70	32.338		
11,800.00	7,150.53	7,208.20	7,207.78	131.89	30.80	-126.00	-2,595.74	-640.43	2,547.77	2,472.02	75.75	33.633		
11,900.00	7,151.34	7,211.46	7,211.04	134.61	30.81	-127.03	-2,595.64	-640.51	2,647.61	2,571.80	75.81	34.926		
12,000.00	7,152.16	7,214.73	7,214.30	137.34	30.83	-128.03	-2,595.53	-640.59	2,747.45	2,671.59	75.86	36.218		
12,100.00	7,152.97	7,217.99	7,217.56	140.07	30.84	-129.02	-2,595.43	-640.67	2,847.30	2,771.39	75.91	37.508		
12,200.00	7,153.78	7,221.25	7,220.82	142.81	30.86	-129.97	-2,595.32	-640.75	2,947.16	2,871.20	75.97	38.796		
12,300.00	7,154.60	7,224.51	7,224.08	145.55	30.87	-130.91	-2,595.21	-640.83	3,047.02	2,971.01	76.02	40.082		
12,400.00	7,155.41	7,227.77	7,227.34	148.30	30.88	-131.81	-2,595.11	-640.90	3,146.89	3,070.82	76.07	41.367		
12,500.00	7,156.22	7,231.04	7,230.59	151.05	30.90	-132.70	-2,595.00	-640.98	3,246.77	3,170.64	76.13	42.649		
12,600.00	7,157.04	7,234.30	7,233.85	153.80	30.91	-133.56	-2,594.89	-641.06	3,346.64	3,270.46	76.18	43.930		
12,700.00	7,157.85	7,237.56	7,237.11	156.56	30.93	-134.40	-2,594.79	-641.14	3,446.53	3,370.29	76.24	45.209		
12,800.00	7,158.66	7,240.82	7,240.37	159.33	30.94	-135.22	-2,594.68	-641.22	3,546.41	3,470.12	76.29	46.485		
12,900.00	7,159.48	7,244.09	7,243.63	162.09	30.96	-136.01	-2,594.58	-641.30	3,646.30	3,569.95	76.35	47.760		
13,000.00	7,160.29	7,247.35	7,246.89	164.86	30.97	-136.79	-2,594.47	-641.38	3,746.19	3,669.79	76.40	49.032		
13,100.00	7,161.11	7,250.61	7,250.15	167.64	30.98	-137.54	-2,594.36	-641.46	3,846.09	3,769.63	76.46	50.303		
13,209.97	7,162.00	7,254.20	7,253.74	170.69	31.00	-138.35	-2,594.25	-641.55	3,955.94	3,879.42	76.52	51.698		
13,210.89	7,162.01	7,254.23	7,253.77	170.72	31.00	-138.36	-2,594.25	-641.55	3,956.86	3,880.34	76.52	51.709		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-154.48	-3,660.85	-1,747.56	4,056.77					
100.00	100.00	60.00	60.00	3.28	3.44	-154.48	-3,660.85	-1,747.56	4,056.57	4,049.84	6.73	602.951		
200.00	200.00	160.00	160.00	3.34	5.05	-154.48	-3,660.85	-1,747.56	4,056.57	4,048.19	8.39	483.659		
300.00	299.98	259.98	259.98	3.44	8.03	53.87	-3,660.85	-1,747.56	4,055.54	4,044.07	11.47	353.553		
400.00	399.84	359.84	359.84	3.59	11.30	53.98	-3,660.85	-1,747.56	4,052.46	4,037.57	14.89	272.089		
500.00	499.45	459.45	459.45	3.79	14.67	54.17	-3,660.85	-1,747.56	4,047.33	4,028.88	18.46	219.299		
600.00	598.70	558.70	558.70	4.04	18.06	54.42	-3,660.85	-1,747.56	4,040.18	4,018.09	22.09	182.878		
700.00	697.47	657.47	657.47	4.32	21.46	54.75	-3,660.85	-1,747.56	4,031.04	4,005.27	25.77	156.399		
800.00	795.62	755.62	755.62	4.64	24.85	55.15	-3,660.85	-1,747.56	4,019.95	3,990.47	29.48	136.342		
900.00	893.06	853.06	853.06	5.01	28.23	55.63	-3,660.85	-1,747.56	4,006.95	3,973.74	33.21	120.648		
1,000.00	989.64	949.64	949.64	5.41	31.58	56.18	-3,660.85	-1,747.56	3,992.09	3,955.15	36.95	108.045		
1,100.00	1,085.27	1,045.27	1,045.27	5.85	34.90	56.80	-3,660.85	-1,747.56	3,975.45	3,934.76	40.69	97.707		
1,200.00	1,179.82	1,139.82	1,139.82	6.33	38.19	57.49	-3,660.85	-1,747.56	3,957.09	3,912.66	44.42	89.075		
1,300.00	1,273.17	1,233.17	1,233.17	6.84	41.43	58.26	-3,660.85	-1,747.56	3,937.09	3,888.93	48.16	81.758		
1,404.90	1,369.69	1,329.69	1,329.69	7.43	44.79	59.14	-3,660.85	-1,747.56	3,914.44	3,862.38	52.06	75.191		
1,500.00	1,456.50	1,416.50	1,416.50	8.00	47.82	59.60	-3,660.85	-1,747.56	3,893.31	3,837.71	55.60	70.020		
1,600.00	1,547.79	1,507.79	1,507.79	8.61	51.00	60.08	-3,660.85	-1,747.56	3,871.39	3,812.04	59.35	65.233		
1,700.00	1,639.07	1,600.93	1,599.07	9.23	54.24	60.58	-3,660.85	-1,747.56	3,849.77	3,786.60	63.17	60.940		
1,800.00	1,730.36	1,709.64	1,690.36	9.87	58.03	61.07	-3,660.85	-1,747.56	3,828.47	3,760.91	67.56	56.670		
1,900.00	1,821.64	1,781.64	1,781.64	10.52	60.54	61.58	-3,660.85	-1,747.56	3,807.48	3,736.81	70.67	53.874		
2,000.00	1,912.93	1,872.93	1,872.93	11.18	63.72	62.08	-3,660.85	-1,747.56	3,786.82	3,712.35	74.48	50.847		
2,100.00	2,004.21	1,964.21	1,964.21	11.84	66.91	62.59	-3,660.85	-1,747.56	3,766.49	3,688.20	78.29	48.112		
2,200.00	2,095.50	2,055.50	2,055.50	12.51	70.09	63.11	-3,660.85	-1,747.56	3,746.49	3,664.39	82.11	45.630		
2,300.00	2,186.78	2,146.78	2,146.78	13.19	73.27	63.63	-3,660.85	-1,747.56	3,726.84	3,640.90	85.93	43.368		
2,400.00	2,278.06	2,238.06	2,238.06	13.86	76.46	64.16	-3,660.85	-1,747.56	3,707.53	3,617.76	89.77	41.300		
2,500.00	2,369.35	2,329.35	2,329.35	14.55	79.64	64.69	-3,660.85	-1,747.56	3,688.57	3,594.95	93.61	39.402		
2,600.00	2,460.63	2,420.63	2,420.63	15.23	82.82	65.22	-3,660.85	-1,747.56	3,669.96	3,572.50	97.46	37.655		
2,700.00	2,551.92	2,511.92	2,511.92	15.92	86.01	65.76	-3,660.85	-1,747.56	3,651.72	3,550.40	101.32	36.042		
2,800.00	2,643.20	2,603.20	2,603.20	16.61	89.19	66.31	-3,660.85	-1,747.56	3,633.84	3,528.67	105.18	34.549		
2,900.00	2,734.49	2,705.51	2,694.49	17.30	92.76	66.86	-3,660.85	-1,747.56	3,616.34	3,506.91	109.43	33.048		
3,000.00	2,825.77	2,785.77	2,785.77	18.00	95.56	67.41	-3,660.85	-1,747.56	3,599.22	3,486.30	112.91	31.876		
3,100.00	2,917.06	2,877.06	2,877.06	18.69	98.75	67.97	-3,660.85	-1,747.56	3,582.48	3,465.69	116.79	30.675		
3,200.00	3,008.34	2,968.34	2,968.34	19.39	101.93	68.53	-3,660.85	-1,747.56	3,566.13	3,445.46	120.67	29.553		
3,300.00	3,099.63	3,059.63	3,059.63	20.09	105.12	69.10	-3,660.85	-1,747.56	3,550.17	3,425.62	124.55	28.504		
3,400.00	3,190.91	3,150.91	3,150.91	20.79	108.30	69.67	-3,660.85	-1,747.56	3,534.61	3,406.17	128.44	27.520		
3,500.00	3,282.20	3,242.20	3,242.20	21.49	111.49	70.24	-3,660.85	-1,747.56	3,519.46	3,387.13	132.33	26.596		
3,600.00	3,373.48	3,333.48	3,333.48	22.19	114.67	70.82	-3,660.85	-1,747.56	3,504.71	3,368.49	136.22	25.728		
3,700.00	3,464.77	3,424.77	3,424.77	22.89	117.86	71.41	-3,660.85	-1,747.56	3,490.39	3,350.27	140.12	24.910		
3,800.00	3,556.05	3,516.05	3,516.05	23.60	121.04	72.00	-3,660.85	-1,747.56	3,476.48	3,332.46	144.02	24.139		
3,900.00	3,647.34	3,607.34	3,607.34	24.30	124.23	72.59	-3,660.85	-1,747.56	3,463.00	3,315.07	147.92	23.411		
4,000.00	3,738.62	3,701.38	3,698.62	25.00	127.51	73.18	-3,660.85	-1,747.56	3,449.95	3,298.02	151.93	22.708		
4,100.00	3,829.91	3,789.91	3,789.91	25.71	130.60	73.78	-3,660.85	-1,747.56	3,437.33	3,281.59	155.74	22.071		
4,200.00	3,921.19	3,881.19	3,881.19	26.42	133.79	74.38	-3,660.85	-1,747.56	3,425.16	3,265.51	159.65	21.454		
4,300.00	4,012.48	3,972.48	3,972.48	27.12	136.97	74.99	-3,660.85	-1,747.56	3,413.43	3,249.87	163.56	20.869		
4,400.00	4,103.76	4,063.76	4,063.76	27.83	140.16	75.60	-3,660.85	-1,747.56	3,402.15	3,234.67	167.48	20.314		
4,500.00	4,195.05	4,155.05	4,155.05	28.54	143.34	76.21	-3,660.85	-1,747.56	3,391.32	3,219.93	171.39	19.787		
4,600.00	4,286.33	4,246.33	4,246.33	29.24	146.53	76.83	-3,660.85	-1,747.56	3,380.95	3,205.64	175.31	19.286		
4,700.00	4,377.62	4,337.62	4,337.62	29.95	149.72	77.45	-3,660.85	-1,747.56	3,371.05	3,191.82	179.23	18.809		
4,800.00	4,468.90	4,428.90	4,428.90	30.66	152.90	78.07	-3,660.85	-1,747.56	3,361.61	3,178.46	183.15	18.354		
4,900.00	4,560.19	4,520.19	4,520.19	31.37	156.09	78.70	-3,660.85	-1,747.56	3,352.64	3,165.57	187.07	17.922		
5,000.00	4,651.47	4,611.47	4,611.47	32.08	159.28	79.33	-3,660.85	-1,747.56	3,344.15	3,153.15	190.99	17.509		

CC - Min centre 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-14C-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-14C-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 #14-2(SI) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,100.00	4,742.76	4,702.76	4,702.76	32.79	162.46	79.96	-3,660.85	-1,747.56	3,336.13	3,141.22	194.92	17.116					
5,200.00	4,834.04	4,805.96	4,794.04	33.50	166.06	80.59	-3,660.85	-1,747.56	3,328.60	3,129.34	199.26	16.705					
5,300.00	4,925.33	4,885.33	4,885.33	34.21	168.83	81.23	-3,660.85	-1,747.56	3,321.55	3,118.79	202.76	16.381					
5,400.00	5,016.61	4,976.61	4,976.61	34.92	172.02	81.87	-3,660.85	-1,747.56	3,314.99	3,108.30	206.69	16.039					
5,500.00	5,107.90	5,067.90	5,067.90	35.63	175.21	82.51	-3,660.85	-1,747.56	3,308.92	3,098.31	210.61	15.711					
5,600.00	5,199.18	5,159.18	5,159.18	36.34	178.39	83.15	-3,660.85	-1,747.56	3,303.34	3,088.81	214.53	15.398					
5,700.00	5,290.46	5,250.46	5,250.46	37.05	181.58	83.79	-3,660.85	-1,747.56	3,298.26	3,079.81	218.45	15.098					
5,800.00	5,381.75	5,341.75	5,341.75	37.76	184.76	84.44	-3,660.85	-1,747.56	3,293.68	3,071.30	222.38	14.811					
5,900.00	5,473.03	5,433.03	5,433.03	38.47	187.95	85.08	-3,660.85	-1,747.56	3,289.60	3,063.30	226.30	14.537					
6,000.00	5,564.32	5,524.32	5,524.32	39.18	191.14	85.73	-3,660.85	-1,747.56	3,286.02	3,055.80	230.22	14.274					
6,100.00	5,655.60	5,615.60	5,615.60	39.90	194.32	86.38	-3,660.85	-1,747.56	3,282.94	3,048.81	234.13	14.022					
6,200.00	5,746.89	5,706.89	5,706.89	40.61	197.51	87.03	-3,660.85	-1,747.56	3,280.37	3,042.32	238.05	13.780					
6,300.00	5,838.17	5,801.83	5,798.17	41.32	200.82	87.68	-3,660.85	-1,747.56	3,278.31	3,036.22	242.09	13.542					
6,400.00	5,929.46	5,889.46	5,889.46	42.03	203.88	88.33	-3,660.85	-1,747.56	3,276.75	3,030.87	245.88	13.327					
6,500.00	6,020.74	5,980.74	5,980.74	42.74	207.07	88.98	-3,660.85	-1,747.56	3,275.71	3,025.92	249.79	13.114					
6,600.00	6,112.03	6,072.03	6,072.03	43.46	210.26	89.64	-3,660.85	-1,747.56	3,275.17	3,021.47	253.70	12.910					
6,655.92	6,163.08	6,123.08	6,123.08	43.85	212.04	90.00	-3,660.85	-1,747.56	3,275.09	3,019.20	255.88	12.799					
6,700.00	6,203.31	6,163.31	6,163.31	44.17	213.44	90.29	-3,660.85	-1,747.56	3,275.14	3,017.53	257.60	12.714					
6,800.00	6,294.60	6,254.60	6,254.60	44.88	216.63	90.94	-3,660.85	-1,747.56	3,275.61	3,014.11	261.51	12.526					
6,900.00	6,385.88	6,345.88	6,345.88	45.59	219.81	91.59	-3,660.85	-1,747.56	3,276.60	3,011.20	265.41	12.346					
6,927.91	6,411.36	6,371.36	6,371.36	45.79	220.70	91.77	-3,660.85	-1,747.56	3,276.97	3,010.47	266.49	12.297					
6,950.00	6,431.59	6,408.41	6,391.59	45.95	222.00	87.79	-3,660.85	-1,747.56	3,276.94	3,009.00	267.94	12.230					
7,000.00	6,477.77	6,437.77	6,437.77	46.27	223.02	77.66	-3,660.85	-1,747.56	3,274.38	3,005.09	269.29	12.159					
7,050.00	6,524.26	6,484.26	6,484.26	46.56	224.64	66.45	-3,660.85	-1,747.56	3,268.36	2,997.16	271.20	12.051					
7,100.00	6,570.76	6,530.76	6,530.76	46.81	226.27	55.02	-3,660.85	-1,747.56	3,258.89	2,985.82	273.07	11.934					
7,150.00	6,617.00	6,577.00	6,577.00	47.02	227.88	44.26	-3,660.85	-1,747.56	3,246.01	2,971.11	274.90	11.808					
7,200.00	6,662.68	6,622.68	6,622.68	47.20	229.48	34.71	-3,660.85	-1,747.56	3,229.76	2,953.10	276.67	11.674					
7,250.00	6,707.53	6,667.53	6,667.53	47.34	231.04	26.51	-3,660.85	-1,747.56	3,210.24	2,931.86	278.38	11.532					
7,300.00	6,751.28	6,711.28	6,711.28	47.47	232.57	19.51	-3,660.85	-1,747.56	3,187.54	2,907.52	280.03	11.383					
7,350.00	6,793.64	6,753.64	6,753.64	47.57	234.05	13.46	-3,660.85	-1,747.56	3,161.79	2,880.19	281.61	11.228					
7,400.00	6,834.35	6,805.65	6,794.35	47.66	235.86	8.07	-3,660.85	-1,747.56	3,133.13	2,849.63	283.51	11.051					
7,450.00	6,873.18	6,833.18	6,833.18	47.75	236.82	3.09	-3,660.85	-1,747.56	3,101.74	2,817.19	284.55	10.901					
7,500.00	6,909.88	6,869.88	6,869.88	47.83	238.10	-1.73	-3,660.85	-1,747.56	3,067.80	2,781.90	285.90	10.730					
7,550.00	6,944.21	6,904.21	6,904.21	47.91	239.30	-6.60	-3,660.85	-1,747.56	3,031.51	2,744.35	287.17	10.557					
7,600.00	6,975.98	6,935.98	6,935.98	47.99	240.41	-11.76	-3,660.85	-1,747.56	2,993.12	2,704.77	288.35	10.380					
7,650.00	7,004.98	6,964.98	6,964.98	48.09	241.42	-17.42	-3,660.85	-1,747.56	2,952.86	2,663.42	289.44	10.202					
7,700.00	7,031.04	7,008.96	6,991.04	48.20	242.96	-23.84	-3,660.85	-1,747.56	2,910.99	2,619.94	291.05	10.002					
7,750.00	7,053.99	7,013.99	7,013.99	48.32	243.14	-31.24	-3,660.85	-1,747.56	2,867.79	2,576.47	291.32	9.844					
7,800.00	7,073.70	7,033.70	7,033.70	48.46	243.82	-39.78	-3,660.85	-1,747.56	2,823.55	2,531.44	292.11	9.666					
7,850.00	7,090.03	7,050.03	7,050.03	48.62	244.39	-49.43	-3,660.85	-1,747.56	2,778.57	2,485.77	292.80	9.490					
7,900.00	7,102.90	7,062.90	7,062.90	48.81	244.84	-59.89	-3,660.85	-1,747.56	2,733.16	2,439.78	293.38	9.316					
7,950.00	7,112.22	7,072.22	7,072.22	49.02	245.17	-70.52	-3,660.85	-1,747.56	2,687.63	2,393.77	293.86	9.146					
8,000.00	7,117.94	7,077.94	7,077.94	49.26	245.37	-80.57	-3,660.85	-1,747.56	2,642.30	2,348.07	294.23	8.981					
8,047.82	7,120.00	7,080.00	7,080.00	49.51	245.44	-89.09	-3,660.85	-1,747.56	2,599.43	2,304.95	294.48	8.827					
8,100.00	7,120.42	7,080.42	7,080.42	49.82	245.45	-89.11	-3,660.85	-1,747.56	2,553.13	2,258.42	294.71	8.663					
8,200.00	7,121.24	7,081.24	7,081.24	50.53	245.48	-89.15	-3,660.85	-1,747.56	2,465.05	2,169.84	295.21	8.350					
8,300.00	7,122.05	7,082.05	7,082.05	51.39	245.51	-89.19	-3,660.85	-1,747.56	2,377.92	2,082.12	295.80	8.039					
8,400.00	7,122.86	7,082.86	7,082.86	52.42	245.54	-89.23	-3,660.85	-1,747.56	2,291.84	1,995.36	296.48	7.730					
8,500.00	7,123.68	7,083.68	7,083.68	53.63	245.57	-89.27	-3,660.85	-1,747.56	2,206.93	1,909.66	297.27	7.424					
8,600.00	7,124.49	7,084.49	7,084.49	55.01	245.60	-89.31	-3,660.85	-1,747.56	2,123.33	1,825.15	298.18	7.121					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,700.00	7,125.30	7,085.30	7,085.30	56.54	245.62	-89.35	-3,660.85	-1,747.56	2,041.21	1,741.99	299.23	6.822		
8,800.00	7,126.12	7,086.12	7,086.12	58.21	245.65	-89.39	-3,660.85	-1,747.56	1,960.76	1,660.33	300.43	6.526		
8,900.00	7,126.93	7,086.93	7,086.93	60.01	245.68	-89.43	-3,660.85	-1,747.56	1,882.17	1,580.37	301.81	6.236		
9,000.00	7,127.75	7,087.75	7,087.75	61.92	245.71	-89.47	-3,660.85	-1,747.56	1,805.71	1,502.34	303.37	5.952		
9,100.00	7,128.56	7,088.56	7,088.56	63.92	245.74	-89.51	-3,660.85	-1,747.56	1,731.64	1,426.51	305.13	5.675		
9,200.00	7,129.37	7,089.37	7,089.37	66.01	245.77	-89.54	-3,660.85	-1,747.56	1,660.30	1,353.19	307.11	5.406		
9,300.00	7,130.19	7,109.81	7,090.19	68.16	246.48	-89.58	-3,660.85	-1,747.56	1,592.04	1,282.03	310.01	5.135		
9,400.00	7,131.00	7,109.00	7,091.00	70.38	246.45	-89.62	-3,660.85	-1,747.56	1,527.29	1,214.89	312.39	4.889		
9,500.00	7,131.81	7,108.19	7,091.81	72.65	246.42	-89.66	-3,660.85	-1,747.56	1,466.49	1,151.50	315.00	4.656		
9,600.00	7,132.63	7,107.37	7,092.63	74.97	246.40	-89.70	-3,660.85	-1,747.56	1,410.18	1,092.37	317.81	4.437		
9,700.00	7,133.44	7,106.56	7,093.44	77.33	246.37	-89.74	-3,660.85	-1,747.56	1,358.90	1,038.10	320.79	4.236		
9,800.00	7,134.25	7,105.75	7,094.25	79.72	246.34	-89.78	-3,660.85	-1,747.56	1,313.24	989.34	323.90	4.054		
9,900.00	7,135.07	7,104.93	7,095.07	82.16	246.31	-89.82	-3,660.85	-1,747.56	1,273.81	946.76	327.05	3.895		
10,000.00	7,135.88	7,104.12	7,095.88	84.62	246.28	-89.86	-3,660.85	-1,747.56	1,241.20	911.04	330.16	3.759		
10,100.00	7,136.70	7,103.30	7,096.70	87.11	246.25	-89.90	-3,660.85	-1,747.56	1,215.97	882.84	333.13	3.650		
10,200.00	7,137.51	7,102.49	7,097.51	89.62	246.22	-89.94	-3,660.85	-1,747.56	1,198.57	862.73	335.84	3.569		
10,300.00	7,138.32	7,101.68	7,098.32	92.16	246.20	-89.98	-3,660.85	-1,747.56	1,189.35	851.15	338.20	3.517		
10,360.06	7,138.81	7,101.19	7,098.81	93.69	246.18	-90.00	-3,660.85	-1,747.56	1,187.84	848.42	339.41	3.500 CC		
10,400.00	7,139.14	7,100.86	7,099.14	94.71	246.17	-90.02	-3,660.85	-1,747.56	1,188.51	848.39	340.12	3.494 ES, SF		
10,500.00	7,139.95	7,100.05	7,099.95	97.29	246.14	-90.05	-3,660.85	-1,747.56	1,196.05	854.50	341.55	3.502		
10,600.00	7,140.76	7,100.76	7,100.76	99.88	246.16	-90.09	-3,660.85	-1,747.56	1,211.83	869.31	342.52	3.538		
10,700.00	7,141.58	7,101.58	7,101.58	102.48	246.19	-90.13	-3,660.85	-1,747.56	1,235.52	892.52	343.00	3.602		
10,800.00	7,142.39	7,102.39	7,102.39	105.10	246.22	-90.17	-3,660.85	-1,747.56	1,266.69	923.66	343.02	3.693		
10,900.00	7,143.20	7,103.20	7,103.20	107.74	246.25	-90.21	-3,660.85	-1,747.56	1,304.79	962.13	342.66	3.808		
11,000.00	7,144.02	7,104.02	7,104.02	110.38	246.28	-90.25	-3,660.85	-1,747.56	1,349.24	1,007.27	341.98	3.945		
11,100.00	7,144.83	7,104.83	7,104.83	113.04	246.31	-90.29	-3,660.85	-1,747.56	1,399.44	1,058.39	341.05	4.103		
11,200.00	7,145.65	7,105.65	7,105.65	115.71	246.33	-90.33	-3,660.85	-1,747.56	1,454.79	1,114.85	339.94	4.279		
11,300.00	7,146.46	7,106.46	7,106.46	118.38	246.36	-90.37	-3,660.85	-1,747.56	1,514.73	1,176.00	338.72	4.472		
11,400.00	7,147.27	7,107.27	7,107.27	121.07	246.39	-90.41	-3,660.85	-1,747.56	1,578.72	1,241.29	337.43	4.679		
11,500.00	7,148.09	7,108.09	7,108.09	123.76	246.42	-90.45	-3,660.85	-1,747.56	1,646.31	1,310.20	336.11	4.898		
11,600.00	7,148.90	7,108.90	7,108.90	126.46	246.45	-90.49	-3,660.85	-1,747.56	1,717.07	1,382.28	334.79	5.129		
11,700.00	7,149.71	7,109.71	7,109.71	129.17	246.48	-90.53	-3,660.85	-1,747.56	1,790.61	1,457.12	333.49	5.369		
11,800.00	7,150.53	7,110.53	7,110.53	131.89	246.51	-90.57	-3,660.85	-1,747.56	1,866.62	1,534.39	332.23	5.619		
11,900.00	7,151.34	7,111.34	7,111.34	134.61	246.53	-90.60	-3,660.85	-1,747.56	1,944.80	1,613.79	331.01	5.875		
12,000.00	7,152.16	7,112.16	7,112.16	137.34	246.56	-90.64	-3,660.85	-1,747.56	2,024.89	1,695.05	329.84	6.139		
12,100.00	7,152.97	7,112.97	7,112.97	140.07	246.59	-90.68	-3,660.85	-1,747.56	2,106.70	1,777.96	328.73	6.409		
12,200.00	7,153.78	7,113.78	7,113.78	142.81	246.62	-90.72	-3,660.85	-1,747.56	2,190.01	1,862.32	327.68	6.683		
12,300.00	7,154.60	7,114.60	7,114.60	145.55	246.65	-90.76	-3,660.85	-1,747.56	2,274.66	1,947.97	326.69	6.963		
12,400.00	7,155.41	7,115.41	7,115.41	148.30	246.68	-90.80	-3,660.85	-1,747.56	2,360.52	2,034.77	325.75	7.246		
12,500.00	7,156.22	7,116.22	7,116.22	151.05	246.70	-90.84	-3,660.85	-1,747.56	2,447.45	2,122.58	324.87	7.534		
12,600.00	7,157.04	7,117.04	7,117.04	153.80	246.73	-90.88	-3,660.85	-1,747.56	2,535.35	2,211.30	324.04	7.824		
12,700.00	7,157.85	7,117.85	7,117.85	156.56	246.76	-90.92	-3,660.85	-1,747.56	2,624.11	2,300.84	323.26	8.118		
12,800.00	7,158.66	7,118.66	7,118.66	159.33	246.79	-90.96	-3,660.85	-1,747.56	2,713.65	2,391.12	322.53	8.414		
12,900.00	7,159.48	7,119.48	7,119.48	162.09	246.82	-91.00	-3,660.85	-1,747.56	2,803.90	2,482.06	321.84	8.712		
13,000.00	7,160.29	7,120.29	7,120.29	164.86	246.85	-91.04	-3,660.85	-1,747.56	2,894.79	2,573.59	321.20	9.013		
13,100.00	7,161.11	7,121.11	7,121.11	167.64	246.87	-91.08	-3,660.85	-1,747.56	2,986.26	2,665.67	320.59	9.315		
13,209.97	7,162.00	7,122.00	7,122.00	170.69	246.91	-91.12	-3,660.85	-1,747.56	3,087.46	2,767.50	319.97	9.649		
13,210.89	7,162.01	7,122.01	7,122.01	170.72	246.91	-91.12	-3,660.85	-1,747.56	3,088.31	2,768.35	319.96	9.652		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	135.02	-507.84	507.54	718.07					
100.00	100.00	93.72	93.72	3.28	0.21	135.04	-507.87	507.07	717.69	714.20	3.49	205.496		
200.00	200.00	199.00	198.98	3.34	0.44	135.14	-507.98	505.43	716.66	712.89	3.78	189.690		
300.00	299.98	304.18	304.12	3.44	0.68	-16.43	-508.17	502.62	713.23	709.11	4.12	173.203		
400.00	399.84	411.88	411.76	3.59	1.07	-16.42	-507.72	499.06	705.60	700.93	4.67	151.088		
500.00	499.45	514.96	514.78	3.79	1.51	-16.71	-505.02	496.51	693.66	688.34	5.32	130.313		
600.00	598.70	615.94	615.67	4.04	1.95	-17.19	-501.45	494.43	678.07	672.06	6.00	112.928		
700.00	697.47	716.05	715.67	4.32	2.39	-17.89	-497.05	492.74	658.91	652.19	6.72	98.102		
800.00	795.62	815.09	814.57	4.64	2.82	-18.84	-491.86	491.44	636.28	628.83	7.45	85.360		
900.00	893.06	911.64	910.96	5.01	3.24	-20.02	-486.33	490.42	610.45	602.24	8.21	74.370		
1,000.00	989.64	1,010.98	1,010.10	5.41	3.67	-21.50	-480.37	488.96	581.20	572.20	9.00	64.561		
1,100.00	1,085.27	1,110.01	1,108.95	5.85	4.11	-23.15	-475.35	485.98	548.63	538.81	9.82	55.879		
1,200.00	1,179.82	1,222.44	1,220.97	6.33	4.61	-25.40	-468.35	479.52	510.68	499.97	10.71	47.691		
1,300.00	1,273.17	1,325.37	1,323.16	6.84	5.07	-28.35	-459.03	471.55	467.32	455.75	11.57	40.404		
1,404.90	1,369.69	1,426.86	1,423.48	7.43	5.53	-32.67	-446.47	462.61	417.17	404.72	12.46	33.493		
1,500.00	1,456.50	1,510.84	1,506.06	8.00	5.92	-37.13	-433.42	454.74	370.02	356.75	13.27	27.877		
1,600.00	1,547.79	1,591.74	1,585.31	8.61	6.29	-42.95	-418.80	447.72	322.38	308.19	14.19	22.712		
1,700.00	1,639.07	1,672.63	1,664.51	9.23	6.66	-50.50	-403.49	441.64	279.52	264.28	15.24	18.347		
1,800.00	1,730.36	1,756.19	1,746.02	9.87	7.05	-60.50	-386.50	434.68	242.45	226.02	16.42	14.762		
1,900.00	1,821.64	1,838.36	1,826.29	10.52	7.44	-72.29	-370.59	427.13	215.08	197.36	17.72	12.135		
2,000.00	1,912.93	1,917.54	1,903.74	11.18	7.81	-85.07	-355.90	419.77	201.67	182.70	18.97	10.630		
2,026.87	1,937.45	1,938.69	1,924.44	11.36	7.91	-88.59	-351.97	417.96	201.02	181.76	19.26	10.436 CC, ES		
2,100.00	2,004.21	1,996.07	1,980.58	11.84	8.19	-98.10	-341.08	413.29	205.80	185.89	19.91	10.335 SF		
2,200.00	2,095.50	2,076.52	2,059.16	12.51	8.57	-110.54	-325.00	407.00	226.61	206.08	20.53	11.038		
2,300.00	2,186.78	2,160.34	2,141.17	13.19	8.97	-121.47	-309.17	399.97	258.60	237.56	21.04	12.289		
2,400.00	2,278.06	2,239.65	2,218.83	13.86	9.35	-129.74	-294.37	393.71	298.79	277.30	21.48	13.907		
2,500.00	2,369.35	2,315.58	2,293.13	14.55	9.71	-135.93	-279.54	388.68	345.10	323.18	21.92	15.742		
2,600.00	2,460.63	2,401.85	2,377.58	15.23	10.12	-141.36	-262.61	383.72	394.84	372.23	22.61	17.463		
2,700.00	2,551.92	2,482.32	2,456.50	15.92	10.51	-145.35	-247.57	379.14	445.89	422.65	23.24	19.185		
2,800.00	2,643.20	2,557.30	2,529.92	16.61	10.86	-148.34	-232.90	375.21	499.11	475.29	23.82	20.954		
2,900.00	2,734.49	2,634.63	2,605.42	17.30	11.24	-150.88	-216.66	371.22	554.48	530.01	24.47	22.659		
3,000.00	2,825.77	2,719.29	2,688.17	18.00	11.64	-153.21	-199.39	366.56	610.11	584.85	25.27	24.144		
3,100.00	2,917.06	2,794.26	2,761.36	18.69	12.01	-155.03	-183.93	361.61	666.62	640.70	25.92	25.719		
3,200.00	3,008.34	2,882.33	2,847.34	19.39	12.44	-156.92	-166.02	355.05	723.48	696.68	26.80	27.000		
3,300.00	3,099.63	2,964.72	2,927.86	20.09	12.84	-158.48	-149.90	348.38	780.21	752.62	27.59	28.282		
3,400.00	3,190.91	3,072.04	3,033.05	20.79	13.36	-160.25	-130.66	339.37	836.05	807.30	28.75	29.081		
3,500.00	3,282.20	3,175.18	3,134.67	21.49	13.84	-161.72	-115.05	331.17	889.78	859.95	29.83	29.832		
3,600.00	3,373.48	3,266.62	3,225.00	22.19	14.27	-162.77	-102.18	325.22	942.61	911.87	30.74	30.665		
3,700.00	3,464.77	3,378.56	3,335.92	22.89	14.78	-163.88	-88.49	318.88	993.91	962.00	31.90	31.153		
3,800.00	3,556.05	3,494.48	3,451.17	23.60	15.30	-164.89	-77.55	313.09	1,042.86	1,009.77	33.08	31.521		
3,900.00	3,647.34	3,600.86	3,557.18	24.30	15.77	-165.70	-69.93	308.66	1,089.80	1,055.66	34.14	31.923		
4,000.00	3,738.62	3,735.22	3,691.33	25.00	16.35	-166.43	-62.78	307.17	1,134.67	1,099.22	35.45	32.007		
4,100.00	3,829.91	3,829.60	3,785.65	25.71	16.74	-166.82	-59.39	308.02	1,177.50	1,141.14	36.36	32.384		
4,200.00	3,921.19	3,922.59	3,878.58	26.42	17.12	-167.16	-56.33	309.26	1,219.98	1,182.72	37.26	32.743		
4,300.00	4,012.48	4,022.96	3,978.91	27.12	17.54	-167.56	-53.91	309.82	1,261.95	1,223.72	38.22	33.014		
4,400.00	4,103.76	4,118.42	4,074.37	27.83	17.94	-167.96	-52.44	309.51	1,303.44	1,264.29	39.15	33.296		
4,500.00	4,195.05	4,219.61	4,175.54	28.54	18.36	-168.36	-51.25	309.18	1,344.67	1,304.56	40.12	33.520		
4,600.00	4,286.33	4,328.88	4,284.80	29.24	18.79	-168.83	-51.96	307.76	1,384.60	1,343.47	41.13	33.663		
4,700.00	4,377.62	4,432.38	4,388.26	29.95	19.20	-169.30	-53.73	305.80	1,423.87	1,381.78	42.09	33.831		
4,800.00	4,468.90	4,550.09	4,505.92	30.66	19.65	-169.77	-57.04	304.55	1,462.00	1,418.86	43.14	33.890		
4,900.00	4,560.19	4,630.98	4,586.76	31.37	19.97	-170.07	-59.79	304.05	1,499.54	1,455.62	43.92	34.143		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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)			
5,000.00	4,651.47	4,706.28	4,662.04	32.08	20.26	-170.31	-61.46	303.76	1,538.05	1,493.40	44.66	34.443		
5,100.00	4,742.76	4,788.22	4,743.98	32.79	20.58	-170.54	-62.23	303.88	1,577.53	1,532.09	45.44	34.715		
5,200.00	4,834.04	4,880.17	4,835.92	33.50	20.95	-170.77	-62.78	304.45	1,617.20	1,570.89	46.31	34.920		
5,300.00	4,925.33	4,974.49	4,930.24	34.21	21.32	-170.99	-63.43	305.05	1,656.81	1,609.61	47.20	35.100		
5,400.00	5,016.61	5,070.01	5,025.75	34.92	21.70	-171.21	-64.40	305.40	1,696.24	1,648.13	48.10	35.261		
5,500.00	5,107.90	5,157.13	5,112.87	35.63	22.05	-171.41	-65.44	305.58	1,735.59	1,686.64	48.94	35.462		
5,600.00	5,199.18	5,232.83	5,188.56	36.34	22.36	-171.60	-66.07	304.94	1,775.60	1,725.91	49.69	35.735		
5,700.00	5,290.46	5,305.09	5,260.82	37.05	22.66	-171.77	-65.94	304.27	1,816.53	1,766.12	50.41	36.035		
5,800.00	5,381.75	5,386.92	5,342.64	37.76	23.00	-171.94	-65.01	303.71	1,858.20	1,806.98	51.22	36.276		
5,900.00	5,473.03	5,471.21	5,426.91	38.47	23.36	-172.12	-63.88	302.69	1,900.24	1,848.18	52.06	36.502		
6,000.00	5,564.32	5,590.02	5,545.71	39.18	23.86	-172.39	-62.94	300.62	1,942.08	1,888.87	53.21	36.496		
6,100.00	5,655.60	5,726.15	5,681.82	39.90	24.42	-172.63	-64.45	300.96	1,981.43	1,926.94	54.48	36.369		
6,200.00	5,746.89	5,806.65	5,762.31	40.61	24.74	-172.77	-65.86	300.96	2,020.48	1,965.21	55.27	36.557		
6,300.00	5,838.17	5,881.46	5,837.11	41.32	25.05	-172.87	-66.26	301.78	2,060.23	2,004.22	56.01	36.782		
6,400.00	5,929.46	5,964.92	5,920.56	42.03	25.39	-172.96	-66.03	302.98	2,100.53	2,043.70	56.83	36.961		
6,500.00	6,020.74	6,048.75	6,004.39	42.74	25.74	-173.06	-65.70	303.64	2,141.18	2,083.52	57.66	37.137		
6,600.00	6,112.03	6,145.43	6,101.06	43.46	26.14	-173.18	-65.33	304.10	2,181.93	2,123.33	58.60	37.236		
6,700.00	6,203.31	6,250.53	6,206.16	44.17	26.57	-173.32	-65.57	304.33	2,222.25	2,162.65	59.60	37.283		
6,800.00	6,294.60	6,334.37	6,290.00	44.88	26.91	-173.44	-66.00	304.32	2,262.43	2,202.00	60.43	37.442		
6,900.00	6,385.88	6,419.46	6,375.09	45.59	27.26	-173.55	-66.22	304.11	2,302.91	2,241.65	61.26	37.591		
6,927.91	6,411.36	7,796.60	7,237.12	45.79	36.30	-156.13	-51.91	1,090.55	2,311.96	2,240.62	71.34	32.406		
6,950.00	6,431.59	7,801.02	7,237.24	45.95	36.36	-160.18	-51.76	1,094.97	2,312.32	2,240.64	71.69	32.256		
7,000.00	6,477.77	7,809.89	7,237.48	46.27	36.50	-170.44	-51.46	1,103.83	2,313.77	2,241.34	72.43	31.945		
7,050.00	6,524.26	7,813.90	7,237.60	46.56	36.57	-178.18	-51.33	1,107.83	2,316.10	2,243.05	73.05	31.705		
7,100.00	6,570.76	7,812.42	7,237.56	46.81	36.54	-166.52	-51.37	1,106.36	2,319.34	2,245.80	73.53	31.541		
7,150.00	6,617.00	7,805.16	7,237.35	47.02	36.43	-155.46	-51.62	1,099.10	2,323.43	2,249.56	73.87	31.451		
7,200.00	6,662.68	7,794.93	7,237.07	47.20	36.28	-145.65	-51.97	1,088.88	2,328.33	2,254.19	74.13	31.407		
7,250.00	6,707.53	7,781.75	7,236.70	47.34	36.09	-137.26	-52.43	1,075.71	2,333.95	2,259.63	74.32	31.405		
7,300.00	6,751.28	7,764.82	7,236.21	47.47	35.85	-130.15	-53.01	1,058.81	2,340.19	2,265.78	74.41	31.450		
7,350.00	6,793.64	7,744.30	7,235.57	47.57	35.55	-124.13	-53.72	1,038.31	2,346.93	2,272.51	74.42	31.536		
7,400.00	6,834.35	7,720.35	7,234.78	47.66	35.21	-118.98	-54.53	1,014.38	2,354.03	2,279.68	74.35	31.660		
7,450.00	6,873.18	7,709.00	7,234.38	47.75	35.05	-114.85	-54.92	1,003.05	2,361.40	2,286.90	74.50	31.695		
7,500.00	6,909.88	7,693.37	7,233.84	47.83	34.84	-111.24	-55.35	987.43	2,369.01	2,294.41	74.60	31.755		
7,550.00	6,944.21	7,682.13	7,233.46	47.91	34.70	-108.19	-55.54	976.20	2,376.85	2,302.07	74.78	31.783		
7,600.00	6,975.98	7,657.00	7,232.62	47.99	34.37	-105.31	-55.59	951.09	2,384.91	2,310.17	74.75	31.905		
7,650.00	7,004.98	7,657.00	7,232.62	48.09	34.37	-103.16	-55.59	951.09	2,392.80	2,317.63	75.17	31.832		
7,700.00	7,031.04	7,614.33	7,230.88	48.20	33.87	-100.71	-55.23	908.45	2,400.48	2,325.53	74.95	32.027		
7,750.00	7,053.99	7,570.22	7,228.38	48.32	33.35	-98.57	-54.84	864.41	2,407.49	2,332.75	74.75	32.209		
7,800.00	7,073.70	7,347.16	7,172.21	48.46	31.32	-94.09	-58.02	649.81	2,412.37	2,340.19	72.18	33.423		
7,850.00	7,090.03	7,268.11	7,135.06	48.62	30.81	-91.92	-61.94	580.21	2,414.35	2,342.58	71.77	33.640		
7,900.00	7,102.90	7,247.58	7,123.66	48.81	30.70	-91.00	-62.91	563.17	2,415.55	2,343.40	72.15	33.478		
7,950.00	7,112.22	7,227.56	7,111.77	49.02	30.59	-90.29	-63.71	547.09	2,416.10	2,343.50	72.60	33.280		
8,000.00	7,117.94	7,207.97	7,099.40	49.26	30.49	-89.78	-64.34	531.91	2,415.97	2,342.86	73.10	33.049		
8,047.82	7,120.00	7,194.18	7,090.29	49.51	30.42	-89.55	-64.71	521.57	2,415.18	2,341.49	73.68	32.777		
8,100.00	7,120.42	7,143.17	7,054.12	49.82	30.19	-88.68	-65.85	485.64	2,414.20	2,340.24	73.96	32.641		
8,167.90	7,120.97	7,093.00	7,015.54	50.29	29.98	-87.76	-67.26	453.63	2,413.63	2,339.06	74.57	32.367		
8,200.00	7,121.24	7,093.00	7,015.54	50.53	29.98	-87.76	-67.26	453.63	2,413.85	2,338.70	75.15	32.121		
8,300.00	7,122.05	7,056.73	6,986.09	51.39	29.83	-87.05	-68.11	432.49	2,416.63	2,339.99	76.64	31.532		
8,400.00	7,122.86	7,033.35	6,966.54	52.42	29.74	-86.59	-68.36	419.66	2,423.02	2,344.64	78.39	30.912		
8,500.00	7,123.68	6,999.00	6,937.09	53.63	29.61	-85.89	-68.30	401.99	2,433.12	2,353.05	80.07	30.387		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,600.00	7,124.49	6,999.00	6,937.09	55.01	29.61	85.89	-68.30	401.99	2,446.69	2,364.48	82.21	29.762		
8,700.00	7,125.30	6,967.72	6,909.59	56.54	29.49	85.24	-67.94	387.10	2,463.83	2,379.83	84.01	29.330		
8,800.00	7,126.12	6,947.01	6,891.06	58.21	29.41	84.80	-67.61	377.87	2,484.52	2,398.60	85.92	28.916		
8,900.00	7,126.93	6,928.43	6,874.22	60.01	29.34	84.40	-67.26	370.01	2,508.69	2,420.85	87.84	28.559		
9,000.00	7,127.75	6,900.00	6,848.00	61.92	37.91	83.78	-66.73	358.97	2,536.31	2,437.92	98.39	25.778		
9,100.00	7,128.56	6,873.58	6,823.49	63.92	29.13	83.21	-66.25	349.19	2,567.17	2,475.80	91.37	28.098		
9,200.00	7,129.37	6,827.67	6,780.03	66.01	28.95	82.19	-66.62	334.44	2,600.89	2,508.05	92.84	28.014		
9,300.00	7,130.19	6,812.00	6,765.02	68.16	28.88	81.84	-67.04	329.97	2,637.59	2,543.02	94.58	27.888		
9,400.00	7,131.00	6,812.00	6,765.02	70.38	28.88	81.84	-67.04	329.97	2,677.50	2,581.10	96.39	27.776		
9,500.00	7,131.81	6,812.00	6,765.02	72.65	28.88	81.84	-67.04	329.97	2,720.50	2,622.38	98.12	27.727		
9,600.00	7,132.63	6,812.00	6,765.02	74.97	28.88	81.84	-67.04	329.97	2,766.44	2,666.70	99.74	27.735		
9,700.00	7,133.44	6,812.00	6,765.02	77.33	28.88	81.84	-67.04	329.97	2,815.19	2,713.91	101.27	27.798		
9,800.00	7,134.25	6,812.00	6,765.02	79.72	28.88	81.84	-67.04	329.97	2,866.60	2,763.89	102.71	27.910		
9,900.00	7,135.07	6,773.97	6,728.22	82.16	28.73	80.98	-67.82	320.44	2,919.38	2,815.66	103.73	28.145		
10,000.00	7,135.88	6,769.39	6,723.75	84.62	28.71	80.87	-67.86	319.42	2,975.39	2,870.44	104.95	28.350		
10,100.00	7,136.70	6,765.06	6,719.52	87.11	28.70	80.77	-67.88	318.48	3,033.63	2,927.53	106.10	28.593		
10,200.00	7,137.51	6,760.96	6,715.51	89.62	28.68	80.68	-67.90	317.61	3,093.98	2,986.81	107.16	28.872		
10,300.00	7,138.32	6,757.07	6,711.70	92.16	28.66	80.59	-67.90	316.81	3,156.31	3,048.16	108.15	29.183		
10,400.00	7,139.14	6,718.00	6,673.27	94.71	28.51	79.71	-67.46	309.87	3,221.55	3,112.76	108.80	29.611		
10,500.00	7,139.95	6,718.00	6,673.27	97.29	28.51	79.71	-67.46	309.87	3,287.34	3,177.66	109.69	29.971		
10,600.00	7,140.76	6,718.00	6,673.27	99.88	28.51	79.71	-67.46	309.87	3,354.83	3,244.32	110.51	30.358		
10,700.00	7,141.58	6,718.00	6,673.27	102.48	28.51	79.71	-67.46	309.87	3,423.90	3,312.63	111.27	30.771		
10,800.00	7,142.39	6,718.00	6,673.27	105.10	28.51	79.71	-67.46	309.87	3,494.47	3,382.50	111.97	31.208		
10,900.00	7,143.20	6,718.00	6,673.27	107.74	28.51	79.71	-67.46	309.87	3,566.45	3,453.82	112.62	31.667		
11,000.00	7,144.02	6,718.00	6,673.27	110.38	28.51	79.71	-67.46	309.87	3,639.75	3,526.52	113.22	32.147		
11,100.00	7,144.83	6,718.00	6,673.27	113.04	28.51	79.71	-67.46	309.87	3,714.30	3,600.52	113.78	32.645		
11,200.00	7,145.65	6,718.00	6,673.27	115.71	28.51	79.71	-67.46	309.87	3,790.02	3,675.73	114.29	33.162		
11,300.00	7,146.46	6,718.00	6,673.27	118.38	28.51	79.71	-67.46	309.87	3,866.84	3,752.08	114.76	33.695		
11,400.00	7,147.27	6,718.00	6,673.27	121.07	28.51	79.71	-67.46	309.87	3,944.70	3,829.50	115.20	34.243		
11,500.00	7,148.09	6,718.00	6,673.27	123.76	28.51	79.71	-67.46	309.87	4,023.54	3,907.94	115.60	34.806		
11,600.00	7,148.90	6,718.00	6,673.27	126.46	28.51	79.71	-67.46	309.87	4,103.31	3,987.34	115.97	35.382		
11,700.00	7,149.71	6,718.00	6,673.27	129.17	28.51	79.71	-67.46	309.87	4,183.94	4,067.63	116.31	35.971		
11,800.00	7,150.53	6,718.00	6,673.27	131.89	28.51	79.71	-67.46	309.87	4,265.39	4,148.76	116.63	36.572		
11,900.00	7,151.34	6,718.00	6,673.27	134.61	28.51	79.71	-67.46	309.87	4,347.62	4,230.70	116.92	37.184		
12,000.00	7,152.16	6,718.00	6,673.27	137.34	28.51	79.71	-67.46	309.87	4,430.58	4,313.39	117.19	37.806		
12,100.00	7,152.97	6,718.00	6,673.27	140.07	28.51	79.71	-67.46	309.87	4,514.23	4,396.78	117.44	38.438		
12,200.00	7,153.78	6,718.00	6,673.27	142.81	28.51	79.71	-67.46	309.87	4,598.53	4,480.86	117.67	39.079		
12,300.00	7,154.60	6,718.00	6,673.27	145.55	28.51	79.71	-67.46	309.87	4,683.45	4,565.56	117.89	39.728		
12,400.00	7,155.41	6,718.00	6,673.27	148.30	28.51	79.71	-67.46	309.87	4,768.95	4,650.87	118.08	40.386		
12,500.00	7,156.22	6,718.00	6,673.27	151.05	28.51	79.71	-67.46	309.87	4,855.01	4,736.74	118.27	41.051		
12,600.00	7,157.04	6,718.00	6,673.27	153.80	28.51	79.71	-67.46	309.87	4,941.60	4,823.16	118.44	41.723		
12,700.00	7,157.85	6,718.00	6,673.27	156.56	28.51	79.71	-67.46	309.87	5,028.68	4,910.08	118.60	42.402		
12,800.00	7,158.66	6,718.00	6,673.27	159.33	28.51	79.71	-67.46	309.87	5,116.23	4,997.49	118.74	43.087		
12,900.00	7,159.48	6,718.00	6,673.27	162.09	28.51	79.71	-67.46	309.87	5,204.23	5,085.36	118.88	43.779		
13,000.00	7,160.29	6,718.00	6,673.27	164.86	28.51	79.71	-67.46	309.87	5,292.66	5,173.66	119.00	44.475		
13,100.00	7,161.11	6,718.00	6,673.27	167.64	28.51	79.71	-67.46	309.87	5,381.50	5,262.38	119.12	45.178		
13,209.97	7,162.00	6,718.00	6,673.27	170.69	28.51	79.71	-67.46	309.87	5,479.63	5,360.39	119.24	45.956		
13,210.89	7,162.01	6,718.00	6,673.27	170.72	28.51	79.71	-67.46	309.87	5,480.45	5,361.21	119.24	45.962		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	127.35	-387.98	508.37	639.61					
100.00	100.00	94.95	94.94	3.28	3.29	127.46	-388.72	507.25	639.10	632.53	6.57	97.247		
200.00	200.00	200.69	200.58	3.34	3.33	127.84	-391.12	503.51	637.68	631.02	6.66	95.757		
300.00	299.98	303.99	303.82	3.44	3.42	-23.70	-391.90	500.17	634.00	627.13	6.86	92.374		
400.00	399.84	423.82	423.55	3.59	3.60	-24.09	-388.38	497.21	625.50	618.28	7.22	86.681		
500.00	499.45	545.35	544.71	3.79	3.85	-24.82	-381.16	491.20	610.02	602.31	7.70	79.197		
600.00	598.70	646.40	645.23	4.04	4.11	-25.75	-373.17	484.63	589.13	580.94	8.19	71.900		
700.00	697.47	804.06	801.19	4.32	4.57	-27.59	-357.24	469.30	562.28	553.22	9.06	62.062		
800.00	795.62	896.71	891.74	4.64	4.89	-29.36	-343.22	455.59	525.23	515.60	9.63	54.537		
900.00	893.06	971.43	965.06	5.01	5.15	-31.24	-332.70	445.79	487.56	477.40	10.16	47.990		
1,000.00	989.64	1,051.35	1,043.92	5.41	5.44	-33.57	-323.40	436.75	450.26	439.50	10.77	41.815		
1,100.00	1,085.27	1,141.57	1,133.18	5.85	5.77	-36.65	-314.69	426.97	412.28	400.81	11.47	35.939		
1,200.00	1,179.82	1,233.61	1,224.18	6.33	6.13	-40.74	-305.69	416.47	372.23	360.01	12.22	30.450		
1,300.00	1,273.17	1,317.52	1,307.09	6.84	6.47	-45.85	-296.89	407.04	331.29	318.29	13.01	25.472		
1,404.90	1,369.69	1,405.68	1,394.31	7.43	6.82	-53.01	-287.72	398.07	289.95	276.04	13.91	20.845		
1,500.00	1,456.50	1,486.06	1,473.84	8.00	7.15	-60.66	-279.39	389.97	255.95	241.13	14.82	17.269		
1,600.00	1,547.79	1,570.28	1,557.14	8.61	7.51	-70.54	-270.14	381.59	227.14	211.26	15.88	14.303		
1,700.00	1,639.07	1,653.66	1,639.55	9.23	7.86	-82.12	-260.46	373.37	208.61	191.61	17.00	12.272		
1,785.60	1,717.21	1,724.97	1,710.12	9.78	8.16	-92.69	-252.54	366.93	203.43	185.53	17.90	11.364 CC		
1,800.00	1,730.36	1,737.31	1,722.34	9.87	8.21	-94.53	-251.22	365.86	203.57	185.52	18.04	11.282 ES		
1,900.00	1,821.64	1,822.89	1,807.09	10.52	8.58	-107.01	-242.05	358.25	212.04	193.13	18.91	11.211 SF		
2,000.00	1,912.93	1,905.50	1,888.84	11.18	8.93	-117.99	-232.88	350.70	232.77	213.18	19.59	11.885		
2,100.00	2,004.21	1,990.78	1,973.20	11.84	9.30	-127.57	-222.89	343.19	263.44	243.24	20.19	13.045		
2,200.00	2,095.50	2,083.10	2,064.76	12.51	9.70	-135.69	-213.72	335.84	299.31	278.42	20.89	14.329		
2,300.00	2,186.78	2,177.77	2,158.96	13.19	10.10	-142.08	-207.17	329.08	336.83	315.19	21.64	15.566		
2,400.00	2,278.06	2,276.41	2,257.35	13.86	10.51	-147.11	-202.91	323.58	374.87	352.42	22.46	16.692		
2,500.00	2,369.35	2,378.38	2,359.18	14.55	10.92	-151.22	-201.67	318.60	411.90	388.59	23.32	17.665		
2,600.00	2,460.63	2,465.79	2,446.56	15.23	11.27	-153.91	-201.87	316.22	448.75	424.68	24.07	18.647		
2,700.00	2,551.92	2,566.14	2,546.86	15.92	11.66	-156.57	-201.99	313.15	486.58	461.64	24.94	19.509		
2,800.00	2,643.20	2,668.74	2,649.41	16.61	12.06	-158.71	-204.56	311.89	522.63	496.80	25.83	20.234		
2,900.00	2,734.49	2,743.96	2,724.61	17.30	12.35	-159.88	-205.98	312.67	559.38	532.88	26.50	21.105		
3,000.00	2,825.77	2,827.06	2,807.71	18.00	12.68	-161.13	-205.25	312.28	599.08	571.82	27.26	21.979		
3,100.00	2,917.06	2,934.30	2,914.94	18.69	13.11	-162.57	-205.00	311.52	638.61	610.37	28.25	22.609		
3,200.00	3,008.34	3,028.59	3,009.20	19.39	13.48	-163.57	-206.74	312.55	676.05	646.95	29.10	23.233		
3,300.00	3,099.63	3,110.52	3,091.11	20.09	13.79	-164.26	-207.29	314.29	714.48	684.63	29.85	23.938		
3,400.00	3,190.91	3,194.06	3,174.65	20.79	14.13	-164.93	-206.73	315.36	754.37	723.75	30.62	24.638		
3,500.00	3,282.20	3,283.93	3,264.50	21.49	14.49	-165.64	-205.86	315.61	794.87	763.41	31.46	25.264		
3,600.00	3,373.48	3,375.02	3,355.59	22.19	14.87	-166.35	-205.25	315.24	835.38	803.05	32.33	25.840		
3,700.00	3,464.77	3,464.04	3,444.61	22.89	15.24	-166.99	-204.50	314.69	876.18	843.00	33.18	26.408		
3,800.00	3,556.05	3,551.80	3,532.36	23.60	15.61	-167.59	-203.77	313.77	917.19	883.17	34.02	26.963		
3,900.00	3,647.34	3,641.70	3,622.24	24.30	15.99	-168.17	-202.52	312.29	958.91	924.04	34.88	27.494		
4,000.00	3,738.62	3,755.81	3,736.34	25.00	16.44	-168.75	-202.64	312.73	998.75	962.78	35.96	27.770		
4,100.00	3,829.91	3,841.44	3,821.95	25.71	16.79	-169.05	-202.61	314.64	1,038.33	1,001.56	36.77	28.237		
4,200.00	3,921.19	3,932.06	3,912.53	26.42	17.15	-169.31	-201.79	316.97	1,078.59	1,040.96	37.63	28.660		
4,300.00	4,012.48	4,044.03	4,024.48	27.12	17.60	-169.66	-202.34	319.39	1,117.78	1,079.09	38.69	28.889		
4,400.00	4,103.76	4,152.70	4,133.10	27.83	18.03	-170.07	-205.13	320.73	1,155.46	1,115.75	39.71	29.100		
4,500.00	4,195.05	4,246.30	4,226.63	28.54	18.40	-170.44	-208.60	321.27	1,192.38	1,151.79	40.59	29.376		
4,600.00	4,286.33	4,325.01	4,305.26	29.24	18.72	-170.83	-211.71	319.94	1,229.86	1,188.52	41.35	29.744		
4,700.00	4,377.62	4,401.11	4,381.30	29.95	19.03	-171.23	-214.01	317.42	1,268.70	1,226.62	42.08	30.149		
4,800.00	4,468.90	4,483.32	4,463.46	30.66	19.37	-171.58	-215.42	315.39	1,308.46	1,265.59	42.87	30.520		
4,900.00	4,560.19	4,570.51	4,550.65	31.37	19.73	-171.86	-215.89	314.81	1,348.69	1,304.98	43.71	30.856		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 11N-7A-M - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 170-MWD+IFR1															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (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	4,651.47	4,657.66	4,637.79	32.08	20.08	-172.04	-215.47	315.74	1,389.24	1,344.69	44.55	31.186					
5,100.00	4,742.76	4,753.64	4,733.74	32.79	20.48	-172.18	-214.60	317.90	1,429.78	1,384.31	45.48	31.439					
5,200.00	4,834.04	4,856.30	4,836.35	33.50	20.90	-172.28	-213.92	321.14	1,469.82	1,423.35	46.47	31.627					
5,300.00	4,925.33	4,931.01	4,911.05	34.21	21.21	-172.40	-213.56	322.37	1,510.17	1,462.97	47.20	31.997					
5,400.00	5,016.61	5,031.93	5,011.96	34.92	21.63	-172.62	-213.70	322.25	1,550.64	1,502.46	48.18	32.184					
5,500.00	5,107.90	5,128.76	5,108.79	35.63	22.03	-172.86	-214.57	321.51	1,590.68	1,541.56	49.12	32.383					
5,600.00	5,199.18	5,229.59	5,209.61	36.34	22.45	-173.11	-216.07	320.73	1,630.26	1,580.16	50.10	32.541					
5,700.00	5,290.46	5,316.83	5,296.82	37.05	22.81	-173.33	-217.76	319.49	1,669.69	1,618.74	50.95	32.772					
5,800.00	5,381.75	5,385.48	5,365.44	37.76	23.10	-173.52	-218.66	317.95	1,709.96	1,658.35	51.62	33.127					
5,900.00	5,473.03	5,469.47	5,449.42	38.47	23.45	-173.71	-218.79	316.28	1,751.14	1,698.70	52.44	33.392					
6,000.00	5,564.32	5,552.06	5,532.00	39.18	23.80	-173.85	-218.11	315.95	1,792.61	1,739.35	53.25	33.662					
6,100.00	5,655.60	5,630.73	5,610.66	39.90	24.14	-173.95	-216.91	315.78	1,834.61	1,780.59	54.02	33.960					
6,200.00	5,746.89	5,732.88	5,712.79	40.61	24.57	-174.10	-215.14	314.97	1,877.03	1,822.00	55.04	34.104					
6,300.00	5,838.17	5,839.74	5,819.65	41.32	25.02	-174.23	-214.30	315.32	1,918.19	1,862.10	56.09	34.196					
6,400.00	5,929.46	5,942.67	5,922.58	42.03	25.45	-174.32	-213.67	316.40	1,959.00	1,901.89	57.10	34.307					
6,500.00	6,020.74	6,071.61	6,051.50	42.74	25.99	-174.50	-215.11	316.62	1,998.69	1,940.34	58.35	34.255					
6,600.00	6,112.03	6,146.00	6,125.88	43.46	26.29	-174.59	-216.35	316.92	2,037.82	1,978.74	59.08	34.493					
6,700.00	6,203.31	7,539.26	6,968.80	44.17	36.15	-154.64	-209.19	1,117.64	2,065.51	1,995.18	70.33	29.370					
6,716.10	6,218.01	7,541.52	6,968.67	44.28	36.18	-154.58	-209.11	1,119.89	2,065.45	1,994.87	70.58	29.265					
6,800.00	6,294.60	7,553.26	6,968.01	44.88	36.36	-154.26	-208.68	1,131.61	2,067.12	1,995.30	71.82	28.783					
6,900.00	6,385.88	7,568.21	6,967.19	45.59	36.60	-153.84	-208.16	1,146.53	2,073.47	2,000.27	73.19	28.329					
6,927.91	6,411.36	7,572.47	6,966.95	45.79	36.67	-153.73	-208.01	1,150.78	2,076.08	2,002.53	73.55	28.227					
6,950.00	6,431.59	7,575.43	6,966.79	45.95	36.72	-157.98	-207.91	1,153.73	2,078.40	2,004.59	73.81	28.157					
7,000.00	6,477.77	7,578.87	6,966.61	46.27	36.78	-168.78	-207.79	1,157.16	2,084.48	2,010.17	74.32	28.049					
7,050.00	6,524.26	7,577.70	6,966.67	46.56	36.76	179.26	-207.83	1,155.99	2,091.69	2,017.01	74.68	28.009					
7,100.00	6,570.76	7,571.83	6,966.99	46.81	36.66	167.01	-208.03	1,150.13	2,099.95	2,025.05	74.90	28.037					
7,150.00	6,617.00	7,561.18	6,967.57	47.02	36.49	155.37	-208.40	1,139.51	2,109.17	2,034.19	74.98	28.130					
7,200.00	6,662.68	7,546.63	6,968.38	47.20	36.26	144.94	-208.92	1,124.99	2,119.22	2,044.26	74.95	28.274					
7,250.00	6,707.53	7,528.76	6,969.38	47.34	35.99	135.92	-209.57	1,107.16	2,129.96	2,055.11	74.85	28.458					
7,300.00	6,751.28	7,506.95	6,970.59	47.47	35.66	128.19	-210.38	1,085.40	2,141.22	2,066.58	74.64	28.687					
7,350.00	6,793.64	7,481.34	6,972.00	47.57	35.27	121.57	-211.35	1,059.85	2,152.82	2,078.48	74.35	28.956					
7,400.00	6,834.35	7,460.00	6,973.16	47.66	34.95	116.02	-212.18	1,038.55	2,164.58	2,090.44	74.13	29.198					
7,450.00	6,873.18	7,434.50	6,974.50	47.75	34.60	111.18	-213.10	1,013.10	2,176.36	2,102.48	73.88	29.457					
7,500.00	6,909.88	7,412.17	6,975.60	47.83	34.30	107.06	-213.79	990.81	2,188.09	2,114.39	73.70	29.688					
7,550.00	6,944.21	7,388.16	6,976.70	47.91	33.98	103.45	-214.40	966.84	2,199.59	2,126.08	73.51	29.921					
7,600.00	6,975.98	7,365.00	6,977.68	47.99	33.67	100.32	-214.87	943.70	2,210.72	2,137.35	73.37	30.131					
7,650.00	7,004.98	7,338.82	6,978.08	48.09	33.35	97.55	-215.23	917.53	2,221.37	2,148.12	73.25	30.326					
7,700.00	7,031.04	7,315.06	6,977.29	48.20	33.07	95.14	-215.39	893.79	2,231.44	2,158.23	73.21	30.479					
7,750.00	7,053.99	7,291.52	6,975.42	48.32	32.78	93.05	-215.38	870.32	2,240.86	2,167.64	73.23	30.601					
7,800.00	7,073.70	7,271.00	6,972.93	48.46	32.54	91.27	-215.23	849.96	2,249.56	2,176.21	73.35	30.667					
7,850.00	7,090.03	7,244.20	6,968.54	48.62	32.25	89.67	-214.86	823.52	2,257.44	2,183.97	73.46	30.728					
7,900.00	7,102.90	7,220.36	6,963.62	48.81	32.00	88.36	-214.36	800.21	2,264.44	2,190.75	73.68	30.732					
7,950.00	7,112.22	7,196.58	6,957.78	49.02	31.75	87.29	-213.71	777.16	2,270.49	2,196.53	73.96	30.698					
8,000.00	7,117.94	7,178.00	6,952.57	49.26	31.55	86.50	-213.09	759.34	2,275.55	2,201.16	74.39	30.590					
8,047.82	7,120.00	7,151.22	6,944.18	49.51	31.31	85.88	-212.00	733.94	2,279.41	2,204.68	74.73	30.502					
8,100.00	7,120.42	7,127.66	6,936.02	49.82	31.10	85.67	-210.85	711.86	2,283.44	2,208.20	75.23	30.351					
8,200.00	7,121.24	7,086.66	6,920.11	50.53	30.73	85.27	-208.41	674.16	2,293.10	2,216.75	76.35	30.033					
8,300.00	7,122.05	6,977.87	6,866.47	51.39	29.95	83.92	-202.87	579.86	2,304.11	2,227.48	76.62	30.071					
8,400.00	7,122.86	6,908.36	6,823.80	52.42	29.55	82.85	-201.01	525.05	2,316.29	2,238.68	77.61	29.844					
8,500.00	7,123.68	6,864.98	6,794.32	53.63	29.32	82.12	-200.22	493.25	2,330.83	2,251.76	79.07	29.479					

CC - Min centre 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-14C-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-14C-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		
8,600.00	7,124.49	6,829.85	6,769.17	55.01	29.15	81.50	-199.42	468.74	2,348.42	2,267.73	80.69	29.104		
8,700.00	7,125.30	6,791.43	6,740.42	56.54	28.97	80.79	-198.40	443.28	2,369.13	2,286.84	82.29	28.790		
8,800.00	7,126.12	6,717.34	6,680.70	58.21	28.65	79.33	-198.44	399.53	2,392.23	2,308.83	83.41	28.682		
8,900.00	7,126.93	6,653.31	6,624.84	60.01	28.40	77.96	-201.44	368.48	2,417.76	2,333.13	84.63	28.568		
9,000.00	7,127.75	6,612.07	6,587.05	61.92	28.23	77.03	-205.04	352.38	2,446.21	2,360.08	86.13	28.400		
9,100.00	7,128.56	6,612.00	6,586.99	63.92	28.23	77.03	-205.05	352.36	2,478.08	2,389.90	88.18	28.103		
9,200.00	7,129.37	6,612.00	6,586.99	66.01	28.23	77.03	-205.05	352.36	2,513.53	2,423.38	90.14	27.883		
9,300.00	7,130.19	6,612.00	6,586.99	68.16	28.23	77.03	-205.05	352.36	2,552.40	2,460.38	92.02	27.738		
9,400.00	7,131.00	6,612.00	6,586.99	70.38	28.23	77.03	-205.05	352.36	2,594.55	2,500.76	93.79	27.663		
9,500.00	7,131.81	6,572.56	6,549.78	72.65	28.07	76.12	-208.82	339.85	2,638.53	2,543.56	94.97	27.782		
9,600.00	7,132.63	6,566.52	6,544.01	74.97	28.05	75.97	-209.34	338.18	2,686.29	2,589.80	96.49	27.839		
9,700.00	7,133.44	6,560.94	6,538.65	77.33	28.03	75.84	-209.82	336.69	2,736.82	2,638.90	97.92	27.948		
9,800.00	7,134.25	6,555.77	6,533.68	79.72	28.00	75.72	-210.25	335.37	2,789.98	2,690.71	99.27	28.106		
9,900.00	7,135.07	6,518.00	6,496.93	82.16	27.85	74.84	-213.07	327.14	2,846.58	2,746.45	100.13	28.430		
10,000.00	7,135.88	6,518.00	6,496.93	84.62	27.85	74.84	-213.07	327.14	2,904.32	2,802.96	101.36	28.654		
10,100.00	7,136.70	6,518.00	6,496.93	87.11	27.85	74.84	-213.07	327.14	2,964.30	2,861.80	102.50	28.919		
10,200.00	7,137.51	6,518.00	6,496.93	89.62	27.85	74.84	-213.07	327.14	3,026.41	2,922.84	103.56	29.223		
10,300.00	7,138.32	6,518.00	6,496.93	92.16	27.85	74.84	-213.07	327.14	3,090.50	2,985.95	104.54	29.561		
10,400.00	7,139.14	6,518.00	6,496.93	94.71	27.85	74.84	-213.07	327.14	3,156.46	3,051.01	105.45	29.933		
10,500.00	7,139.95	6,518.00	6,496.93	97.29	27.85	74.84	-213.07	327.14	3,224.17	3,117.88	106.29	30.334		
10,600.00	7,140.76	6,518.00	6,496.93	99.88	27.85	74.84	-213.07	327.14	3,293.53	3,186.47	107.06	30.763		
10,700.00	7,141.58	6,518.00	6,496.93	102.48	27.85	74.84	-213.07	327.14	3,364.43	3,256.65	107.77	31.217		
10,800.00	7,142.39	6,518.00	6,496.93	105.10	27.85	74.84	-213.07	327.14	3,436.77	3,328.34	108.43	31.696		
10,900.00	7,143.20	6,518.00	6,496.93	107.74	27.85	74.84	-213.07	327.14	3,510.48	3,401.44	109.04	32.196		
11,000.00	7,144.02	6,518.00	6,496.93	110.38	27.85	74.84	-213.07	327.14	3,585.46	3,475.87	109.59	32.716		
11,100.00	7,144.83	6,518.00	6,496.93	113.04	27.85	74.84	-213.07	327.14	3,661.63	3,551.53	110.11	33.256		
11,200.00	7,145.65	6,518.00	6,496.93	115.71	27.85	74.84	-213.07	327.14	3,738.93	3,628.35	110.58	33.813		
11,300.00	7,146.46	6,518.00	6,496.93	118.38	27.85	74.84	-213.07	327.14	3,817.28	3,706.27	111.01	34.386		
11,400.00	7,147.27	6,518.00	6,496.93	121.07	27.85	74.84	-213.07	327.14	3,896.63	3,785.21	111.41	34.974		
11,500.00	7,148.09	6,518.00	6,496.93	123.76	27.85	74.84	-213.07	327.14	3,976.90	3,865.12	111.78	35.577		
11,600.00	7,148.90	6,518.00	6,496.93	126.46	27.85	74.84	-213.07	327.14	4,058.05	3,945.93	112.12	36.192		
11,700.00	7,149.71	6,518.00	6,496.93	129.17	27.85	74.84	-213.07	327.14	4,140.03	4,027.59	112.44	36.820		
11,800.00	7,150.53	6,518.00	6,496.93	131.89	27.85	74.84	-213.07	327.14	4,222.78	4,110.05	112.73	37.460		
11,900.00	7,151.34	6,518.00	6,496.93	134.61	27.85	74.84	-213.07	327.14	4,306.27	4,193.27	113.00	38.110		
12,000.00	7,152.16	6,518.00	6,496.93	137.34	27.85	74.84	-213.07	327.14	4,390.44	4,277.20	113.24	38.770		
12,100.00	7,152.97	6,518.00	6,496.93	140.07	27.85	74.84	-213.07	327.14	4,475.27	4,361.80	113.47	39.440		
12,200.00	7,153.78	6,518.00	6,496.93	142.81	27.85	74.84	-213.07	327.14	4,560.71	4,447.03	113.68	40.119		
12,300.00	7,154.60	6,518.00	6,496.93	145.55	27.85	74.84	-213.07	327.14	4,646.73	4,532.86	113.87	40.806		
12,400.00	7,155.41	6,518.00	6,496.93	148.30	27.85	74.84	-213.07	327.14	4,733.30	4,619.25	114.05	41.500		
12,500.00	7,156.22	6,518.00	6,496.93	151.05	27.85	74.84	-213.07	327.14	4,820.39	4,706.17	114.22	42.202		
12,600.00	7,157.04	6,518.00	6,496.93	153.80	27.85	74.84	-213.07	327.14	4,907.98	4,793.60	114.38	42.911		
12,700.00	7,157.85	6,477.48	6,456.98	156.56	27.68	73.88	-215.39	320.77	4,994.72	4,880.44	114.28	43.707		
12,800.00	7,158.66	6,475.96	6,455.48	159.33	27.68	73.85	-215.46	320.58	5,083.11	4,968.71	114.40	44.431		
12,900.00	7,159.48	6,474.50	6,454.03	162.09	27.67	73.81	-215.53	320.39	5,171.93	5,057.40	114.52	45.161		
13,000.00	7,160.29	6,473.08	6,452.62	164.86	27.67	73.78	-215.60	320.21	5,261.14	5,146.50	114.63	45.896		
13,100.00	7,161.11	6,471.70	6,451.25	167.64	27.66	73.75	-215.66	320.04	5,350.73	5,235.99	114.73	46.636		
13,209.97	7,162.00	6,470.23	6,449.80	170.69	27.65	73.71	-215.72	319.86	5,449.66	5,334.82	114.84	47.455		
13,210.89	7,162.01	6,470.22	6,449.79	170.72	27.65	73.71	-215.72	319.86	5,450.49	5,335.65	114.84	47.462		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	128.77	-408.03	508.10	651.74					
100.00	100.00	78.00	77.99	3.28	3.29	128.79	-408.66	508.43	652.40	645.83	6.57	99.293		
200.00	200.00	174.90	174.86	3.34	3.31	128.89	-411.04	509.57	654.83	648.18	6.65	98.453		
300.00	299.98	295.35	295.29	3.44	3.43	-22.70	-412.97	508.91	653.81	646.94	6.87	95.193		
400.00	399.84	430.75	430.54	3.59	3.64	-22.71	-412.60	503.18	645.61	638.34	7.27	88.748		
500.00	499.45	554.81	553.94	3.79	3.91	-22.65	-410.50	490.69	628.63	620.84	7.79	80.696		
600.00	598.70	651.70	650.09	4.04	4.15	-22.67	-408.73	478.81	606.85	598.58	8.27	73.392		
700.00	697.47	733.66	731.36	4.32	4.39	-22.63	-409.42	468.29	583.20	574.46	8.74	66.707		
800.00	795.62	808.12	805.20	4.64	4.62	-22.49	-413.35	459.66	560.02	550.77	9.25	60.523		
900.00	893.06	888.77	885.03	5.01	4.88	-22.19	-420.95	451.08	537.06	527.21	9.85	54.547		
1,000.00	989.64	974.35	969.66	5.41	5.18	-21.88	-430.92	443.30	513.54	503.04	10.50	48.892		
1,100.00	1,085.27	1,053.16	1,047.70	5.85	5.46	-21.82	-440.80	438.45	489.65	478.48	11.17	43.821		
1,200.00	1,179.82	1,131.31	1,125.02	6.33	5.74	-21.97	-451.96	436.48	466.39	454.52	11.87	39.281		
1,300.00	1,273.17	1,216.86	1,209.41	6.84	6.05	-22.30	-466.00	436.95	443.57	430.94	12.63	35.129		
1,404.90	1,369.69	1,314.82	1,305.81	7.43	6.42	-22.81	-483.38	438.12	417.70	404.22	13.48	30.984		
1,500.00	1,456.50	1,405.23	1,394.50	8.00	6.77	-23.00	-500.89	438.62	393.23	378.93	14.29	27.516		
1,600.00	1,547.79	1,500.10	1,487.40	8.61	7.16	-23.08	-520.11	438.82	367.82	352.65	15.16	24.257		
1,700.00	1,639.07	1,595.39	1,580.57	9.23	7.57	-23.10	-540.12	439.15	342.96	326.90	16.06	21.356		
1,800.00	1,730.36	1,691.18	1,674.18	9.87	7.98	-23.11	-560.41	439.69	318.39	301.42	16.98	18.755		
1,900.00	1,821.64	1,787.77	1,768.46	10.52	8.41	-23.08	-581.37	440.46	294.32	276.41	17.91	16.433		
2,000.00	1,912.93	1,887.13	1,865.74	11.18	8.86	-23.29	-601.60	441.41	269.52	250.65	18.87	14.286		
2,100.00	2,004.21	1,986.39	1,963.07	11.84	9.31	-23.71	-621.01	442.39	244.26	224.43	19.83	12.317		
2,200.00	2,095.50	2,084.65	2,059.56	12.51	9.76	-24.10	-639.61	441.87	217.46	196.66	20.80	10.453		
2,300.00	2,186.78	2,179.69	2,152.86	13.19	10.19	-24.64	-657.68	441.77	191.07	169.28	21.79	8.768		
2,400.00	2,278.06	2,277.40	2,248.87	13.86	10.65	-25.63	-675.83	442.28	164.90	142.11	22.79	7.235		
2,500.00	2,369.35	2,374.47	2,344.22	14.55	11.10	-26.55	-694.00	441.26	137.66	113.85	23.81	5.783		
2,600.00	2,460.63	2,470.69	2,438.79	15.23	11.55	-28.11	-711.74	440.45	110.48	85.62	24.85	4.445		
2,700.00	2,551.92	2,566.42	2,532.97	15.92	12.00	-31.09	-728.91	440.03	83.48	57.49	25.99	3.212		
2,800.00	2,643.20	2,662.96	2,627.97	16.61	12.45	-37.32	-746.06	440.11	57.28	30.00	27.28	2.100		
2,900.00	2,734.49	2,759.82	2,723.34	17.30	12.91	-53.54	-762.92	438.80	31.30	2.23	29.07	1.077 Level 2		
2,992.26	2,818.71	2,848.15	2,810.20	17.94	13.32	-113.18	-778.68	435.80	15.48	-15.01	30.50	0.508 Level 1, CC, ES, SF		
3,000.00	2,825.77	2,855.56	2,817.47	18.00	13.36	-121.14	-780.03	435.56	15.65	-14.56	30.20	0.518 Level 1		
3,100.00	2,917.06	2,951.33	2,911.54	18.69	13.82	-175.94	-797.75	432.60	34.81	5.86	28.95	1.202 Level 2		
3,200.00	3,008.34	3,047.33	3,005.84	19.39	14.28	171.90	-815.56	429.99	61.83	31.77	30.06	2.057		
3,300.00	3,099.63	3,143.42	3,100.27	20.09	14.74	167.64	-833.30	428.16	89.45	58.28	31.17	2.869		
3,400.00	3,190.91	3,239.85	3,195.01	20.79	15.20	165.43	-851.18	426.52	117.11	84.85	32.26	3.631		
3,500.00	3,282.20	3,336.09	3,289.63	21.49	15.67	164.39	-868.72	425.66	144.56	111.27	33.30	4.342		
3,600.00	3,373.48	3,432.90	3,384.93	22.19	16.13	164.04	-885.79	425.68	171.87	137.55	34.32	5.008		
3,700.00	3,464.77	3,529.09	3,479.63	22.89	16.59	163.92	-902.63	426.17	198.94	163.63	35.31	5.633		
3,800.00	3,556.05	3,624.72	3,573.86	23.60	17.04	163.96	-918.90	426.91	226.19	189.90	36.29	6.233		
3,900.00	3,647.34	3,715.19	3,663.16	24.30	17.47	164.03	-933.42	426.99	254.58	217.42	37.16	6.851		
4,000.00	3,738.62	3,810.70	3,757.37	25.00	17.93	163.73	-948.95	424.95	284.28	246.11	38.17	7.448		
4,100.00	3,829.91	3,908.92	3,853.92	25.71	18.40	163.08	-966.72	421.73	313.45	274.20	39.26	7.985		
4,200.00	3,921.19	4,003.92	3,947.11	26.42	18.87	162.41	-984.79	418.23	342.29	302.00	40.29	8.496		
4,300.00	4,012.48	4,102.07	4,043.29	27.12	19.35	161.73	-1,003.98	414.35	371.00	329.61	41.39	8.963		
4,400.00	4,103.76	4,200.08	4,139.20	27.83	19.84	161.10	-1,023.81	410.67	399.13	356.64	42.49	9.394		
4,500.00	4,195.05	4,297.44	4,234.49	28.54	20.32	160.60	-1,043.57	407.55	426.89	383.32	43.57	9.798		
4,600.00	4,286.33	4,391.89	4,327.08	29.24	20.79	160.28	-1,062.02	404.93	454.87	410.28	44.59	10.202		
4,700.00	4,377.62	4,499.93	4,432.84	29.95	21.33	159.98	-1,084.02	403.08	481.56	435.75	45.81	10.512		
4,800.00	4,468.90	4,600.58	4,531.11	30.66	21.83	159.73	-1,105.78	402.79	506.41	459.49	46.91	10.794		
4,900.00	4,560.19	4,692.66	4,621.07	31.37	22.29	159.52	-1,125.38	402.17	531.76	483.85	47.91	11.100		

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-14C-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-14C-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: 141-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,651.47	4,786.62	4,712.91	32.08	22.76	159.31	-1,145.21	401.10	557.59	508.67	48.93	11.397		
5,100.00	4,742.76	4,877.68	4,802.13	32.79	23.22	159.19	-1,163.39	400.00	584.22	534.33	49.89	11.710		
5,200.00	4,834.04	4,973.55	4,896.12	33.50	23.69	159.07	-1,182.18	398.21	611.56	560.63	50.93	12.009		
5,300.00	4,925.33	5,078.37	4,998.99	34.21	24.21	159.09	-1,202.27	398.09	637.93	585.86	52.06	12.253		
5,400.00	5,016.61	5,177.18	5,095.99	34.92	24.69	159.20	-1,221.08	399.22	663.48	610.37	53.11	12.493		
5,500.00	5,107.90	5,268.13	5,185.43	35.63	25.13	159.38	-1,237.48	400.85	689.24	635.20	54.04	12.755		
5,600.00	5,199.18	5,355.98	5,272.11	36.34	25.55	159.64	-1,251.72	402.43	716.19	661.28	54.91	13.043		
5,700.00	5,290.46	5,449.65	5,364.71	37.05	26.00	159.97	-1,265.75	404.05	744.02	688.18	55.85	13.323		
5,800.00	5,381.75	5,548.88	5,462.54	37.76	26.47	160.14	-1,282.28	404.63	771.57	714.69	56.88	13.564		
5,900.00	5,473.03	5,640.28	5,552.53	38.47	26.92	160.20	-1,298.29	404.45	799.11	741.28	57.83	13.819		
6,000.00	5,564.32	5,743.43	5,654.23	39.18	27.42	160.30	-1,315.54	404.10	827.31	768.39	58.93	14.039		
6,100.00	5,655.60	5,863.24	5,771.72	39.90	28.01	160.29	-1,338.96	404.73	852.95	792.71	60.24	14.159		
6,200.00	5,746.89	5,953.35	5,859.89	40.61	28.46	160.25	-1,357.51	405.54	877.66	816.46	61.20	14.340		
6,300.00	5,838.17	6,035.05	5,940.16	41.32	28.86	160.29	-1,372.72	406.30	903.67	841.63	62.04	14.565		
6,400.00	5,929.46	6,134.08	6,037.62	42.03	29.35	160.36	-1,390.28	406.56	930.75	867.66	63.09	14.753		
6,500.00	6,020.74	6,227.88	6,129.80	42.74	29.81	160.38	-1,407.62	406.86	957.28	893.20	64.08	14.939		
6,600.00	6,112.03	6,336.70	6,236.99	43.46	30.33	160.53	-1,426.30	408.65	983.78	918.56	65.23	15.083		
6,700.00	6,203.31	6,445.08	6,345.27	44.17	30.84	160.68	-1,445.41	410.44	1,010.29	944.05	66.38	15.239		
6,800.00	6,294.60	6,554.00	6,454.19	44.88	31.35	160.83	-1,464.92	412.23	1,037.00	969.54	67.53	15.395		
6,900.00	6,385.88	6,662.92	6,563.11	45.59	31.86	160.98	-1,484.43	414.02	1,063.71	995.03	68.68	15.551		
6,927.91	6,411.36	6,688.85	6,588.54	45.79	32.06	161.00	-1,494.43	414.02	1,063.71	995.03	68.68	15.551		
6,950.00	6,431.59	6,708.59	6,608.27	45.95	32.22	161.03	-1,504.43	414.02	1,063.71	995.03	68.68	15.551		
7,000.00	6,477.77	6,754.64	6,654.32	46.27	32.54	161.14	-1,519.31	415.00	1,073.84	1,005.16	69.81	15.711		
7,050.00	6,524.26	6,801.38	6,700.86	46.56	32.83	161.25	-1,534.20	416.00	1,083.97	1,015.29	70.94	15.868		
7,100.00	6,570.76	6,848.12	6,747.36	46.81	33.11	161.36	-1,549.08	417.00	1,094.10	1,025.42	72.07	16.025		
7,150.00	6,617.00	6,894.86	6,793.60	47.02	33.38	161.47	-1,563.97	418.00	1,104.23	1,035.55	73.20	16.182		
7,200.00	6,662.68	6,941.60	6,839.34	47.20	33.64	161.58	-1,578.86	419.00	1,114.36	1,045.68	74.33	16.339		
7,241.16	6,699.68	6,978.33	6,876.07	47.32	33.76	161.63	-1,586.83	419.50	1,118.81	1,049.13	74.68	16.400		
7,250.00	6,707.53	6,986.18	6,883.92	47.34	33.78	161.65	-1,588.86	419.50	1,118.81	1,049.13	74.68	16.400		
7,300.00	6,751.28	7,029.93	6,927.67	47.47	33.91	161.76	-1,593.36	420.00	1,123.36	1,053.67	75.21	16.511		
7,350.00	6,793.64	7,071.29	6,969.03	47.57	34.02	161.87	-1,597.86	420.50	1,127.90	1,058.21	75.74	16.622		
7,400.00	6,834.35	7,112.00	6,999.74	47.66	34.13	161.98	-1,602.36	421.00	1,132.44	1,062.75	76.27	16.733		
7,450.00	6,873.18	7,149.94	7,037.68	47.75	34.24	162.09	-1,606.86	421.50	1,136.98	1,067.29	76.80	16.844		
7,500.00	6,909.88	7,184.99	7,072.73	47.83	34.35	162.20	-1,611.36	422.00	1,141.52	1,071.83	77.33	16.955		
7,550.00	6,944.21	7,219.04	7,107.78	47.91	34.46	162.31	-1,615.86	422.50	1,146.06	1,076.37	77.86	17.066		
7,600.00	6,975.98	7,251.05	7,139.79	47.99	34.57	162.42	-1,620.36	423.00	1,150.60	1,080.91	78.39	17.177		
7,650.00	7,004.98	7,281.06	7,169.80	48.09	34.68	162.53	-1,624.86	423.50	1,155.14	1,085.45	78.92	17.288		
7,700.00	7,031.04	7,309.07	7,197.81	48.20	34.79	162.64	-1,629.36	424.00	1,159.68	1,089.99	79.45	17.399		
7,750.00	7,053.99	7,334.08	7,222.82	48.32	34.90	162.75	-1,633.86	424.50	1,164.22	1,094.53	79.98	17.510		
7,800.00	7,073.70	7,358.09	7,246.83	48.46	35.01	162.86	-1,638.36	425.00	1,168.76	1,099.07	80.51	17.621		
7,850.00	7,090.03	7,379.10	7,268.84	48.62	35.12	162.97	-1,642.86	425.50	1,173.30	1,103.61	81.04	17.732		
7,900.00	7,102.90	7,398.11	7,288.85	48.81	35.23	163.08	-1,647.36	426.00	1,177.84	1,108.15	81.57	17.843		
7,950.00	7,112.22	7,416.12	7,307.86	49.02	35.34	163.19	-1,651.86	426.50	1,182.38	1,112.69	82.10	17.954		
8,000.00	7,117.94	7,433.13	7,325.87	49.26	35.45	163.30	-1,656.36	427.00	1,186.92	1,117.23	82.63	18.065		
8,047.82	7,120.00	7,445.14	7,337.88	49.51	35.56	163.41	-1,660.86	427.50	1,191.46	1,121.77	83.16	18.176		
8,100.00	7,120.42	7,457.15	7,349.89	49.82	35.67	163.52	-1,665.36	428.00	1,196.00	1,126.31	83.69	18.287		
8,200.00	7,121.24	7,469.16	7,361.90	50.53	35.78	163.63	-1,670.86	428.50	1,200.54	1,130.85	84.22	18.398		
8,300.00	7,122.05	7,481.17	7,373.91	51.39	35.89	163.74	-1,675.36	429.00	1,205.08	1,135.39	84.75	18.509		
8,400.00	7,122.86	7,493.18	7,385.92	52.42	36.00	163.85	-1,680.86	429.50	1,209.62	1,139.93	85.28	18.620		
8,500.00	7,123.68	7,505.19	7,397.93	53.63	36.11	163.96	-1,685.36	430.00	1,214.16	1,144.47	85.81	18.731		

CC - Min centre 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-14C-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-14C-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			
8,600.00	7,124.49	6,911.00	6,747.36	55.01	32.63	69.15	-1,531.02	616.08	1,179.40	1,100.47	78.94	14.941			
8,700.00	7,125.30	6,911.00	6,747.36	56.54	32.63	69.15	-1,531.02	616.08	1,233.35	1,152.40	80.94	15.237			
8,800.00	7,126.12	6,861.73	6,710.49	58.21	32.47	67.39	-1,522.75	584.46	1,290.69	1,209.24	81.45	15.846			
8,900.00	7,126.93	6,815.00	6,674.17	60.01	32.32	65.74	-1,514.12	556.37	1,352.43	1,270.45	81.98	16.497			
9,000.00	7,127.75	6,815.00	6,674.17	61.92	32.32	65.74	-1,514.12	556.37	1,416.82	1,333.33	83.49	16.970			
9,100.00	7,128.56	6,782.22	6,647.90	63.92	32.20	64.60	-1,507.86	537.80	1,484.41	1,400.27	84.14	17.643			
9,200.00	7,129.37	6,757.04	6,627.27	66.01	32.11	63.72	-1,503.11	524.16	1,554.58	1,469.73	84.86	18.320			
9,300.00	7,130.19	6,720.00	6,596.25	68.16	31.98	62.43	-1,496.25	505.12	1,627.23	1,541.97	85.26	19.086			
9,400.00	7,131.00	6,720.00	6,596.25	70.38	31.98	62.43	-1,496.25	505.12	1,701.78	1,615.57	86.21	19.739			
9,500.00	7,131.81	6,720.00	6,596.25	72.65	31.98	62.43	-1,496.25	505.12	1,778.83	1,691.81	87.02	20.441			
9,600.00	7,132.63	6,679.48	6,561.41	74.97	31.83	61.03	-1,488.84	485.82	1,856.81	1,769.60	87.21	21.292			
9,700.00	7,133.44	6,664.39	6,548.19	77.33	31.77	60.51	-1,486.08	479.08	1,936.86	1,849.19	87.67	22.092			
9,800.00	7,134.25	6,627.00	6,514.92	79.72	31.63	59.25	-1,479.27	463.44	2,018.80	1,930.98	87.82	22.988			
9,900.00	7,135.07	6,627.00	6,514.92	82.16	31.63	59.25	-1,479.27	463.44	2,101.32	2,012.96	88.35	23.783			
10,000.00	7,135.88	6,627.00	6,514.92	84.62	31.63	59.25	-1,479.27	463.44	2,185.29	2,096.48	88.81	24.606			
10,100.00	7,136.70	6,627.00	6,514.92	87.11	31.63	59.25	-1,479.27	463.44	2,270.57	2,181.36	89.20	25.454			
10,200.00	7,137.51	6,627.00	6,514.92	89.62	31.63	59.25	-1,479.27	463.44	2,357.00	2,267.46	89.54	26.323			
10,300.00	7,138.32	6,627.00	6,514.92	92.16	31.63	59.25	-1,479.27	463.44	2,444.47	2,354.63	89.83	27.211			
10,400.00	7,139.14	6,591.47	6,482.62	94.71	31.49	58.06	-1,472.74	450.17	2,531.72	2,441.85	89.87	28.171			
10,500.00	7,139.95	6,584.23	6,475.96	97.29	31.46	57.82	-1,471.38	447.68	2,620.44	2,530.37	90.07	29.094			
10,600.00	7,140.76	6,577.41	6,469.66	99.88	31.43	57.60	-1,470.10	445.40	2,709.87	2,619.62	90.25	30.027			
10,700.00	7,141.58	6,570.98	6,463.70	102.48	31.40	57.39	-1,468.89	443.32	2,799.93	2,709.52	90.41	30.970			
10,800.00	7,142.39	6,533.00	6,428.13	105.10	31.25	56.16	-1,461.63	432.19	2,891.48	2,801.08	90.40	31.986			
10,900.00	7,143.20	6,533.00	6,428.13	107.74	31.25	56.16	-1,461.63	432.19	2,982.37	2,891.80	90.57	32.930			
11,000.00	7,144.02	6,533.00	6,428.13	110.38	31.25	56.16	-1,461.63	432.19	3,073.82	2,983.11	90.72	33.884			
11,100.00	7,144.83	6,533.00	6,428.13	113.04	31.25	56.16	-1,461.63	432.19	3,165.79	3,074.94	90.85	34.848			
11,200.00	7,145.65	6,533.00	6,428.13	115.71	31.25	56.16	-1,461.63	432.19	3,258.23	3,167.27	90.96	35.819			
11,300.00	7,146.46	6,533.00	6,428.13	118.38	31.25	56.16	-1,461.63	432.19	3,351.11	3,260.04	91.07	36.799			
11,400.00	7,147.27	6,533.00	6,428.13	121.07	31.25	56.16	-1,461.63	432.19	3,444.38	3,353.23	91.16	37.785			
11,500.00	7,148.09	6,533.00	6,428.13	123.76	31.25	56.16	-1,461.63	432.19	3,538.03	3,446.79	91.24	38.777			
11,600.00	7,148.90	6,533.00	6,428.13	126.46	31.25	56.16	-1,461.63	432.19	3,632.01	3,540.69	91.31	39.775			
11,700.00	7,149.71	6,533.00	6,428.13	129.17	31.25	56.16	-1,461.63	432.19	3,726.30	3,634.92	91.38	40.778			
11,800.00	7,150.53	6,533.00	6,428.13	131.89	31.25	56.16	-1,461.63	432.19	3,820.89	3,729.45	91.44	41.786			
11,900.00	7,151.34	6,533.00	6,428.13	134.61	31.25	56.16	-1,461.63	432.19	3,915.74	3,824.25	91.49	42.798			
12,000.00	7,152.16	6,533.00	6,428.13	137.34	31.25	56.16	-1,461.63	432.19	4,010.85	3,919.30	91.54	43.813			
12,100.00	7,152.97	6,533.00	6,428.13	140.07	31.25	56.16	-1,461.63	432.19	4,106.19	4,014.60	91.59	44.833			
12,200.00	7,153.78	6,533.00	6,428.13	142.81	31.25	56.16	-1,461.63	432.19	4,201.74	4,110.11	91.63	45.856			
12,300.00	7,154.60	6,533.00	6,428.13	145.55	31.25	56.16	-1,461.63	432.19	4,297.50	4,205.83	91.67	46.881			
12,400.00	7,155.41	6,533.00	6,428.13	148.30	31.25	56.16	-1,461.63	432.19	4,393.44	4,301.74	91.70	47.909			
12,500.00	7,156.22	6,533.00	6,428.13	151.05	31.25	56.16	-1,461.63	432.19	4,489.56	4,397.83	91.74	48.940			
12,600.00	7,157.04	6,533.00	6,428.13	153.80	31.25	56.16	-1,461.63	432.19	4,585.85	4,494.08	91.77	49.973			
12,700.00	7,157.85	6,533.00	6,428.13	156.56	31.25	56.16	-1,461.63	432.19	4,682.29	4,590.50	91.80	51.007			
12,800.00	7,158.66	6,533.00	6,428.13	159.33	31.25	56.16	-1,461.63	432.19	4,778.88	4,687.06	91.82	52.044			
12,900.00	7,159.48	6,533.00	6,428.13	162.09	31.25	56.16	-1,461.63	432.19	4,875.61	4,783.76	91.85	53.082			
13,000.00	7,160.29	6,491.23	6,388.26	164.86	31.06	54.85	-1,453.68	422.63	4,970.77	4,878.90	91.86	54.109			
13,100.00	7,161.11	6,489.36	6,386.46	167.64	31.05	54.79	-1,453.33	422.27	5,067.59	4,975.70	91.89	55.147			
13,209.97	7,162.00	6,487.38	6,384.55	170.69	31.04	54.73	-1,452.96	421.90	5,174.20	5,082.28	91.92	56.289			
13,210.89	7,162.01	6,487.36	6,384.53	170.72	31.04	54.73	-1,452.96	421.90	5,175.09	5,083.17	91.92	56.298			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	137.21	-547.91	507.26	746.76					
100.00	100.00	94.28	94.28	3.28	3.29	137.20	-547.63	507.08	746.36	739.79	6.57	113.576		
200.00	200.00	200.19	200.19	3.34	3.31	137.19	-546.63	506.43	745.26	738.61	6.65	112.113		
300.00	299.98	307.29	307.26	3.44	3.38	-14.60	-544.63	505.53	741.63	734.80	6.82	108.730		
400.00	399.84	418.74	418.60	3.59	3.53	-15.00	-539.90	505.38	733.39	726.26	7.13	102.854		
500.00	499.45	522.79	522.48	3.79	3.72	-15.56	-533.97	504.89	720.53	713.00	7.53	95.729		
600.00	598.70	607.90	607.52	4.04	3.91	-15.97	-530.76	503.50	704.99	697.05	7.95	88.710		
700.00	697.47	695.65	695.23	4.32	4.12	-16.26	-530.58	501.18	687.98	679.55	8.44	81.541		
800.00	795.62	784.50	783.90	4.64	4.36	-16.30	-534.07	496.88	669.07	660.09	8.98	74.479		
900.00	893.06	880.83	879.60	5.01	4.64	-15.99	-541.89	489.37	647.83	638.22	9.60	67.465		
1,000.00	989.64	977.44	975.08	5.41	4.95	-15.39	-552.31	478.99	623.26	612.99	10.27	60.670		
1,100.00	1,085.27	1,070.13	1,066.13	5.85	5.27	-14.52	-564.66	466.83	595.82	584.84	10.98	54.267		
1,200.00	1,179.82	1,161.37	1,155.51	6.33	5.61	-13.51	-578.08	454.25	565.90	554.18	11.72	48.275		
1,300.00	1,273.17	1,252.97	1,244.99	6.84	5.97	-12.33	-592.59	441.17	533.52	521.02	12.50	42.677		
1,404.90	1,369.69	1,353.60	1,343.09	7.43	6.38	-10.77	-609.15	426.00	496.43	483.06	13.36	37.145		
1,500.00	1,456.50	1,444.12	1,431.27	8.00	6.77	-8.96	-623.61	411.59	460.77	446.61	14.16	32.537		
1,600.00	1,547.79	1,540.02	1,524.89	8.61	7.18	-6.81	-637.91	396.49	423.05	408.04	15.01	28.188		
1,700.00	1,639.07	1,632.83	1,615.88	9.23	7.59	-4.61	-650.10	382.86	385.02	369.16	15.86	24.279		
1,800.00	1,730.36	1,722.61	1,704.32	9.87	7.98	-2.44	-660.72	371.70	347.58	330.87	16.71	20.798		
1,900.00	1,821.64	1,810.95	1,791.72	10.52	8.36	-0.37	-670.62	363.55	311.58	294.01	17.57	17.730		
2,000.00	1,912.93	1,902.53	1,882.62	11.18	8.75	1.65	-680.36	358.11	276.94	258.50	18.44	15.016		
2,100.00	2,004.21	2,003.19	1,982.66	11.84	9.18	4.32	-690.00	352.56	242.01	222.73	19.29	12.548		
2,200.00	2,095.50	2,098.78	2,077.82	12.51	9.58	7.80	-696.10	345.93	204.32	184.17	20.15	10.142		
2,300.00	2,186.78	2,189.98	2,168.67	13.19	9.97	12.32	-701.65	340.26	167.45	146.39	21.06	7.950		
2,400.00	2,278.06	2,281.73	2,260.13	13.86	10.36	18.80	-707.29	335.62	132.29	110.24	22.05	5.999		
2,500.00	2,369.35	2,376.66	2,354.81	14.55	10.76	29.71	-712.50	331.22	99.17	76.01	23.16	4.282		
2,600.00	2,460.63	2,469.53	2,447.61	15.23	11.14	48.84	-714.63	328.13	68.86	44.05	24.80	2.776		
2,700.00	2,551.92	2,561.04	2,539.06	15.92	11.52	82.48	-716.64	325.61	53.80	26.76	27.04	1.990		
2,706.83	2,558.15	2,567.29	2,545.30	15.97	11.54	85.17	-716.78	325.44	53.73	26.58	27.16	1.979 CC, ES, SF		
2,800.00	2,643.20	2,652.50	2,630.46	16.61	11.90	117.92	-718.48	323.13	65.62	37.97	27.65	2.373		
2,900.00	2,734.49	2,743.50	2,721.42	17.30	12.28	138.49	-719.87	320.58	95.10	67.48	27.62	3.443		
3,000.00	2,825.77	2,834.94	2,812.81	18.00	12.66	149.25	-721.04	317.90	131.11	103.11	28.00	4.683		
3,100.00	2,917.06	2,926.51	2,904.37	18.69	13.03	156.05	-720.99	316.65	169.16	140.57	28.59	5.917		
3,200.00	3,008.34	3,017.44	2,995.30	19.39	13.40	160.41	-720.82	315.61	208.45	179.18	29.28	7.120		
3,300.00	3,099.63	3,108.46	3,086.30	20.09	13.78	163.30	-720.93	314.24	248.49	218.45	30.05	8.270		
3,400.00	3,190.91	3,199.58	3,177.41	20.79	14.16	165.40	-721.04	312.93	288.86	258.01	30.86	9.362		
3,500.00	3,282.20	3,290.37	3,268.20	21.49	14.53	166.96	-721.18	311.53	329.52	297.84	31.68	10.401		
3,600.00	3,373.48	3,380.82	3,358.64	22.19	14.91	168.20	-721.19	310.19	370.42	337.91	32.51	11.393		
3,700.00	3,464.77	3,470.27	3,448.08	22.89	15.28	169.25	-720.73	309.03	411.70	378.37	33.33	12.352		
3,800.00	3,556.05	3,559.90	3,537.70	23.60	15.65	170.15	-719.85	307.90	453.40	419.24	34.16	13.275		
3,900.00	3,647.34	3,651.53	3,629.32	24.30	16.02	170.94	-718.89	306.90	495.13	460.10	35.03	14.136		
4,000.00	3,738.62	3,742.72	3,720.49	25.00	16.40	171.58	-718.06	305.79	536.89	500.99	35.89	14.958		
4,100.00	3,829.91	3,840.95	3,818.72	25.71	16.80	172.20	-717.60	305.25	578.02	541.14	36.88	15.673		
4,200.00	3,921.19	3,939.13	3,916.88	26.42	17.18	172.92	-717.16	307.04	617.93	580.09	37.84	16.332		
4,300.00	4,012.48	4,029.28	4,007.00	27.12	17.53	173.53	-716.80	309.08	657.64	618.98	38.66	17.011		
4,400.00	4,103.76	4,120.52	4,098.23	27.83	17.88	174.04	-716.53	310.73	697.57	658.07	39.51	17.657		
4,500.00	4,195.05	4,215.14	4,192.84	28.54	18.25	174.48	-716.74	312.21	737.27	696.86	40.41	18.245		
4,600.00	4,286.33	4,304.60	4,282.29	29.24	18.61	174.80	-717.20	313.16	777.02	735.78	41.24	18.840		
4,700.00	4,377.62	4,399.47	4,377.15	29.95	18.99	175.08	-718.01	313.82	816.72	774.56	42.16	19.371		
4,800.00	4,468.90	4,493.79	4,471.47	30.66	19.37	175.30	-719.30	314.31	856.11	813.03	43.08	19.873		
4,900.00	4,560.19	4,584.58	4,562.25	31.37	19.75	175.47	-720.72	314.63	895.46	851.50	43.95	20.372		

CC - Min centre 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-14C-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-14C-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: 250-MWD+IFR1														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,000.00	4,651.47	4,675.44	4,653.10	32.08	20.12	175.64	-722.06	314.88	934.90	890.07	44.83	20.854			
5,100.00	4,742.76	4,784.37	4,761.99	32.79	20.58	175.80	-724.58	315.44	973.59	927.64	45.95	21.190			
5,200.00	4,834.04	4,865.00	4,842.59	33.50	20.92	175.86	-726.86	315.27	1,012.21	965.51	46.70	21.674			
5,300.00	4,925.33	4,948.20	4,925.76	34.21	21.28	175.89	-728.94	314.31	1,051.57	1,004.07	47.49	22.141			
5,400.00	5,016.61	5,034.63	5,012.16	34.92	21.65	175.92	-730.66	312.90	1,091.56	1,043.23	48.33	22.584			
5,500.00	5,107.90	5,126.14	5,103.64	35.63	22.04	175.95	-732.18	311.43	1,131.80	1,082.56	49.24	22.985			
5,600.00	5,199.18	5,203.67	5,181.17	36.34	22.37	176.00	-732.97	310.43	1,172.40	1,122.45	49.95	23.469			
5,700.00	5,290.46	5,277.65	5,255.13	37.05	22.68	176.11	-732.16	309.82	1,214.38	1,163.77	50.61	23.995			
5,800.00	5,381.75	5,355.85	5,333.31	37.76	23.00	176.23	-730.34	308.93	1,257.47	1,206.15	51.32	24.504			
5,900.00	5,473.03	5,442.35	5,419.77	38.47	23.36	176.35	-727.91	307.73	1,301.06	1,248.91	52.15	24.951			
6,000.00	5,564.32	5,531.83	5,509.20	39.18	23.73	176.44	-725.61	305.73	1,344.87	1,291.85	53.02	25.365			
6,100.00	5,655.60	5,666.77	5,644.10	39.90	24.31	176.50	-725.00	302.85	1,386.93	1,332.42	54.52	25.441			
6,200.00	5,746.89	5,773.38	5,750.69	40.61	24.77	176.53	-726.62	301.59	1,427.05	1,371.44	55.61	25.660			
6,300.00	5,838.17	5,847.47	5,824.76	41.32	25.08	176.56	-727.66	301.01	1,467.16	1,410.86	56.30	26.059			
6,400.00	5,929.46	5,911.08	5,888.37	42.03	25.35	176.61	-727.22	300.24	1,509.01	1,452.17	56.85	26.546			
6,500.00	6,020.74	6,013.90	5,991.18	42.74	25.79	176.70	-726.03	299.05	1,551.23	1,493.33	57.90	26.793			
6,600.00	6,112.03	6,113.29	6,090.56	43.46	26.21	176.78	-725.48	298.30	1,592.78	1,533.88	58.90	27.042			
6,700.00	6,203.31	6,203.25	6,180.52	44.17	26.59	176.84	-725.11	297.73	1,634.19	1,574.40	59.79	27.333			
6,800.00	6,294.60	6,292.02	6,269.28	44.88	26.96	176.91	-724.63	297.19	1,675.67	1,615.02	60.66	27.625			
6,900.00	6,385.88	7,758.98	7,146.44	45.59	37.65	-155.12	-721.78	1,179.32	1,662.94	1,591.10	71.84	23.146			
6,927.91	6,411.36	7,763.02	7,146.50	45.79	37.72	-154.98	-721.79	1,183.36	1,660.25	1,587.83	72.42	22.926			
6,950.00	6,431.59	7,765.99	7,146.55	45.95	37.77	-158.85	-721.81	1,186.33	1,658.42	1,585.57	72.85	22.764			
7,000.00	6,477.77	7,770.85	7,146.63	46.27	37.85	-168.74	-721.83	1,191.19	1,655.30	1,581.53	73.77	22.439			
7,050.00	6,524.26	7,773.05	7,146.68	46.56	37.88	-179.78	-721.84	1,193.39	1,653.61	1,579.04	74.58	22.173			
7,082.31	6,554.32	7,772.99	7,146.68	46.72	37.88	172.87	-721.84	1,193.33	1,653.30	1,578.27	75.03	22.034			
7,100.00	6,570.76	7,772.46	7,146.66	46.81	37.87	168.88	-721.83	1,192.79	1,653.40	1,578.13	75.26	21.968			
7,150.00	6,617.00	7,768.97	7,146.60	47.02	37.81	158.14	-721.82	1,189.31	1,654.65	1,578.82	75.83	21.821			
7,200.00	6,662.68	7,762.50	7,146.49	47.20	37.71	148.56	-721.79	1,182.84	1,657.33	1,581.06	76.27	21.729			
7,250.00	6,707.53	7,752.98	7,146.36	47.34	37.55	140.31	-721.74	1,173.32	1,661.37	1,584.78	76.59	21.691			
7,300.00	6,751.28	7,740.36	7,146.25	47.47	37.35	133.26	-721.67	1,160.70	1,666.68	1,589.88	76.80	21.703			
7,350.00	6,793.64	7,724.60	7,146.20	47.57	37.09	127.23	-721.55	1,144.94	1,673.11	1,596.22	76.89	21.760			
7,400.00	6,834.35	7,708.75	7,146.24	47.66	36.82	122.10	-721.42	1,129.10	1,680.49	1,603.56	76.93	21.844			
7,450.00	6,873.18	7,673.40	7,146.47	47.75	36.30	117.13	-721.09	1,093.74	1,688.61	1,612.01	76.61	22.043			
7,500.00	6,909.88	7,635.06	7,146.27	47.83	35.73	112.71	-720.83	1,055.41	1,697.07	1,620.87	76.21	22.270			
7,550.00	6,944.21	7,597.18	7,145.58	47.91	35.18	108.83	-720.66	1,017.54	1,705.65	1,629.83	75.82	22.496			
7,600.00	6,975.98	7,565.67	7,144.32	47.99	34.76	105.55	-720.43	986.05	1,714.28	1,638.69	75.59	22.677			
7,650.00	7,004.98	7,533.27	7,142.23	48.09	34.33	102.63	-720.03	953.72	1,722.86	1,647.49	75.37	22.858			
7,700.00	7,031.04	7,492.42	7,138.49	48.20	33.81	99.87	-719.34	913.06	1,731.20	1,656.15	75.05	23.069			
7,750.00	7,053.99	7,434.95	7,131.50	48.32	33.13	97.13	-718.65	856.02	1,738.77	1,664.27	74.49	23.342			
7,800.00	7,073.70	7,392.28	7,124.69	48.46	32.67	95.02	-718.35	813.90	1,745.39	1,671.11	74.28	23.498			
7,850.00	7,090.03	7,358.09	7,116.92	48.62	32.33	93.29	-717.92	780.61	1,751.35	1,677.08	74.28	23.579			
7,900.00	7,102.90	7,330.63	7,109.11	48.81	32.04	91.91	-717.44	754.29	1,756.63	1,682.21	74.43	23.602			
7,950.00	7,112.22	7,245.27	7,076.96	49.02	31.30	89.73	-716.45	725.30	1,760.64	1,686.95	73.69	23.894			
8,000.00	7,117.94	7,159.45	7,033.98	49.26	30.72	87.71	-717.78	601.13	1,762.63	1,689.57	73.06	24.125			
8,047.82	7,120.00	7,117.93	7,009.46	49.51	30.46	86.76	-719.26	567.66	1,762.92	1,689.76	73.17	24.095			
8,054.49	7,120.05	7,114.80	7,007.54	49.55	30.44	86.70	-719.37	565.20	1,762.91	1,689.68	73.23	24.072			
8,100.00	7,120.42	7,093.95	6,994.45	49.82	30.33	86.27	-720.00	548.97	1,763.29	1,689.58	73.71	23.923			
8,200.00	7,121.24	7,036.00	6,955.92	50.53	30.02	85.01	-721.03	505.71	1,766.98	1,692.35	74.63	23.677			
8,300.00	7,122.05	7,008.08	6,936.21	51.39	29.89	84.36	-721.21	485.95	1,774.33	1,698.13	76.20	23.286			
8,400.00	7,122.86	6,967.98	6,906.49	52.42	29.71	83.40	-721.28	459.04	1,785.74	1,708.11	77.63	23.002			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
8,500.00	7,123.68	6,930.06	6,876.93	53.63	29.55	82.44	-721.17	435.30	1,801.28	1,722.13	79.15	22.758					
8,600.00	7,124.49	6,890.51	6,844.51	55.01	29.39	81.40	-721.25	412.66	1,820.88	1,740.22	80.66	22.576					
8,700.00	7,125.30	6,846.00	6,806.19	56.54	29.21	80.18	-721.72	390.03	1,844.71	1,762.66	82.05	22.482					
8,800.00	7,126.12	6,822.77	6,785.64	58.21	29.12	79.52	-722.12	379.20	1,872.63	1,788.86	83.77	22.354					
8,900.00	7,126.93	6,784.85	6,751.74	60.01	28.98	78.45	-722.98	362.23	1,904.55	1,819.37	85.18	22.359					
9,000.00	7,127.75	6,753.00	6,722.95	61.92	28.85	77.54	-723.90	348.67	1,940.31	1,853.70	86.61	22.403					
9,100.00	7,128.56	6,753.00	6,722.95	63.92	28.85	77.54	-723.90	348.67	1,980.16	1,891.71	88.45	22.387					
9,200.00	7,129.37	6,753.00	6,722.95	66.01	28.85	77.54	-723.90	348.67	2,024.18	1,934.03	90.15	22.452					
9,300.00	7,130.19	6,753.00	6,722.95	68.16	28.85	77.54	-723.90	348.67	2,072.10	1,980.37	91.72	22.591					
9,400.00	7,131.00	6,712.27	6,685.29	70.38	28.69	76.36	-724.85	333.21	2,122.04	2,029.42	92.62	22.910					
9,500.00	7,131.81	6,704.43	6,677.90	72.65	28.66	76.13	-724.95	330.58	2,176.24	2,082.38	93.86	23.186					
9,600.00	7,132.63	6,697.24	6,671.09	74.97	28.64	75.92	-725.02	328.27	2,233.50	2,138.51	94.99	23.513					
9,700.00	7,133.44	6,659.00	6,634.39	77.33	28.49	74.79	-725.02	317.59	2,294.61	2,198.98	95.63	23.994					
9,800.00	7,134.25	6,659.00	6,634.39	79.72	28.49	74.79	-725.02	317.59	2,357.00	2,260.34	96.65	24.386					
9,900.00	7,135.07	6,659.00	6,634.39	82.16	28.49	74.79	-725.02	317.59	2,421.90	2,324.33	97.57	24.821					
10,000.00	7,135.88	6,659.00	6,634.39	84.62	28.49	74.79	-725.02	317.59	2,489.14	2,390.74	98.40	25.296					
10,100.00	7,136.70	6,659.00	6,634.39	87.11	28.49	74.79	-725.02	317.59	2,558.52	2,459.38	99.14	25.808					
10,200.00	7,137.51	6,659.00	6,634.39	89.62	28.49	74.79	-725.02	317.59	2,629.87	2,530.07	99.80	26.352					
10,300.00	7,138.32	6,659.00	6,634.39	92.16	28.49	74.79	-725.02	317.59	2,703.03	2,602.65	100.39	26.927					
10,400.00	7,139.14	6,659.00	6,634.39	94.71	28.49	74.79	-725.02	317.59	2,777.87	2,676.96	100.91	27.528					
10,500.00	7,139.95	6,659.00	6,634.39	97.29	28.49	74.79	-725.02	317.59	2,854.26	2,752.88	101.38	28.155					
10,600.00	7,140.76	6,659.00	6,634.39	99.88	28.49	74.79	-725.02	317.59	2,932.06	2,830.27	101.79	28.804					
10,700.00	7,141.58	6,659.00	6,634.39	102.48	28.49	74.79	-725.02	317.59	3,011.17	2,909.01	102.16	29.474					
10,800.00	7,142.39	6,659.00	6,634.39	105.10	28.49	74.79	-725.02	317.59	3,091.50	2,989.00	102.49	30.163					
10,900.00	7,143.20	6,659.00	6,634.39	107.74	28.49	74.79	-725.02	317.59	3,172.94	3,070.15	102.79	30.869					
11,000.00	7,144.02	6,659.00	6,634.39	110.38	28.49	74.79	-725.02	317.59	3,255.42	3,152.37	103.05	31.592					
11,100.00	7,144.83	6,621.26	6,597.57	113.04	28.34	73.68	-724.67	309.32	3,337.82	3,234.77	103.05	32.392					
11,200.00	7,145.65	6,617.51	6,593.89	115.71	28.32	73.57	-724.63	308.60	3,421.92	3,318.69	103.24	33.146					
11,300.00	7,146.46	6,613.94	6,590.39	118.38	28.31	73.46	-724.59	307.93	3,506.84	3,403.44	103.41	33.912					
11,400.00	7,147.27	6,610.56	6,587.06	121.07	28.30	73.37	-724.56	307.31	3,592.52	3,488.96	103.56	34.690					
11,500.00	7,148.09	6,607.34	6,583.89	123.76	28.28	73.27	-724.52	306.74	3,678.91	3,575.21	103.70	35.477					
11,600.00	7,148.90	6,604.27	6,580.87	126.46	28.27	73.18	-724.49	306.20	3,765.96	3,662.14	103.82	36.274					
11,700.00	7,149.71	6,564.00	6,541.04	129.17	28.11	72.00	-723.99	300.30	3,854.64	3,750.92	103.72	37.165					
11,800.00	7,150.53	6,564.00	6,541.04	131.89	28.11	72.00	-723.99	300.30	3,942.73	3,838.90	103.83	37.971					
11,900.00	7,151.34	6,564.00	6,541.04	134.61	28.11	72.00	-723.99	300.30	4,031.38	3,927.44	103.94	38.786					
12,000.00	7,152.16	6,564.00	6,541.04	137.34	28.11	72.00	-723.99	300.30	4,120.55	4,016.51	104.03	39.608					
12,100.00	7,152.97	6,564.00	6,541.04	140.07	28.11	72.00	-723.99	300.30	4,210.20	4,106.08	104.12	40.437					
12,200.00	7,153.78	6,564.00	6,541.04	142.81	28.11	72.00	-723.99	300.30	4,300.31	4,196.12	104.19	41.272					
12,300.00	7,154.60	6,564.00	6,541.04	145.55	28.11	72.00	-723.99	300.30	4,390.85	4,286.59	104.26	42.114					
12,400.00	7,155.41	6,564.00	6,541.04	148.30	28.11	72.00	-723.99	300.30	4,481.79	4,377.47	104.32	42.962					
12,500.00	7,156.22	6,564.00	6,541.04	151.05	28.11	72.00	-723.99	300.30	4,573.11	4,468.74	104.37	43.815					
12,600.00	7,157.04	6,564.00	6,541.04	153.80	28.11	72.00	-723.99	300.30	4,664.79	4,560.37	104.42	44.673					
12,700.00	7,157.85	6,564.00	6,541.04	156.56	28.11	72.00	-723.99	300.30	4,756.80	4,652.33	104.46	45.535					
12,800.00	7,158.66	6,564.00	6,541.04	159.33	28.11	72.00	-723.99	300.30	4,849.13	4,744.62	104.50	46.402					
12,900.00	7,159.48	6,564.00	6,541.04	162.09	28.11	72.00	-723.99	300.30	4,941.75	4,837.22	104.54	47.273					
13,000.00	7,160.29	6,564.00	6,541.04	164.86	28.11	72.00	-723.99	300.30	5,034.66	4,930.09	104.57	48.148					
13,100.00	7,161.11	6,564.00	6,541.04	167.64	28.11	72.00	-723.99	300.30	5,127.83	5,023.24	104.59	49.026					
13,209.97	7,162.00	6,564.00	6,541.04	170.69	28.11	72.00	-723.99	300.30	5,230.59	5,125.97	104.62	49.996					
13,210.89	7,162.01	6,564.00	6,541.04	170.72	28.11	72.00	-723.99	300.30	5,231.45	5,126.83	104.62	50.004					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	133.86	-487.80	507.54	704.04					
100.00	100.00	89.58	89.57	3.28	3.29	133.84	-487.56	507.72	703.92	697.35	6.57	107.132		
200.00	200.00	190.21	190.21	3.34	3.31	133.75	-486.72	508.36	703.79	697.15	6.64	105.936		
300.00	299.98	290.79	290.77	3.44	3.34	-18.13	-485.27	509.44	701.92	695.14	6.78	103.498		
400.00	399.84	404.28	404.22	3.59	3.44	-18.53	-482.82	510.50	696.20	689.16	7.03	98.980		
500.00	499.45	528.64	528.46	3.79	3.64	-19.06	-477.94	508.15	683.90	676.44	7.46	91.722		
600.00	598.70	646.18	645.61	4.04	3.89	-19.93	-469.26	504.27	665.02	657.04	7.97	83.413		
700.00	697.47	749.00	747.89	4.32	4.15	-21.02	-459.58	500.19	641.25	632.74	8.51	75.341		
800.00	795.62	852.79	851.04	4.64	4.45	-22.41	-449.04	495.70	613.81	604.69	9.12	67.324		
900.00	893.06	961.35	958.52	5.01	4.80	-24.47	-434.65	490.62	581.36	571.56	9.80	59.346		
1,000.00	989.64	1,063.74	1,059.42	5.41	5.15	-27.16	-418.07	485.34	544.41	533.92	10.49	51.890		
1,100.00	1,085.27	1,154.99	1,148.96	5.85	5.48	-30.43	-401.16	480.60	504.16	492.98	11.19	45.074		
1,200.00	1,179.82	1,240.72	1,233.09	6.33	5.81	-34.30	-385.25	476.18	462.50	450.59	11.90	38.849		
1,300.00	1,273.17	1,327.47	1,318.30	6.84	6.15	-39.12	-369.70	471.44	420.13	407.45	12.68	33.130		
1,404.90	1,369.69	1,417.22	1,406.20	7.43	6.51	-45.68	-352.29	466.41	375.36	361.79	13.57	27.666		
1,500.00	1,456.50	1,496.04	1,483.05	8.00	6.85	-52.38	-335.36	462.08	337.35	322.89	14.46	23.337		
1,600.00	1,547.79	1,578.28	1,562.81	8.61	7.20	-60.90	-315.91	457.23	303.23	287.73	15.50	19.565		
1,700.00	1,639.07	1,655.02	1,637.07	9.23	7.54	-70.10	-297.10	452.71	278.75	262.12	16.63	16.764		
1,800.00	1,730.36	1,731.11	1,710.81	9.87	7.88	-79.93	-278.76	448.83	267.23	249.50	17.74	15.068		
1,829.74	1,757.50	1,754.03	1,733.08	10.06	7.99	-82.92	-273.40	447.86	266.59	248.55	18.04	14.776 CC, ES		
1,900.00	1,821.64	1,808.84	1,786.40	10.52	8.23	-89.96	-260.86	445.90	270.08	251.38	18.71	14.436 SF		
2,000.00	1,912.93	1,889.88	1,865.44	11.18	8.60	-99.75	-243.06	443.78	286.01	266.48	19.53	14.647		
2,100.00	2,004.21	1,973.56	1,947.18	11.84	8.97	-108.80	-225.36	441.45	311.88	291.64	20.24	15.409		
2,200.00	2,095.50	2,057.14	2,029.00	12.51	9.35	-116.60	-208.48	438.94	345.05	324.16	20.89	16.518		
2,300.00	2,186.78	2,136.44	2,106.55	13.19	9.71	-122.99	-192.16	436.02	384.23	362.77	21.46	17.902		
2,400.00	2,278.06	2,213.79	2,182.06	13.86	10.07	-128.31	-175.64	433.14	428.43	406.42	22.02	19.460		
2,500.00	2,369.35	2,286.48	2,252.87	14.55	10.41	-132.50	-159.40	430.90	476.77	454.25	22.52	21.167		
2,600.00	2,460.63	2,370.98	2,335.01	15.23	10.80	-136.56	-139.65	428.78	528.34	505.10	23.24	22.738		
2,700.00	2,551.92	2,459.04	2,421.03	15.92	11.22	-140.06	-121.01	426.47	579.70	555.68	24.02	24.133		
2,800.00	2,643.20	2,534.22	2,494.42	16.61	11.57	-142.66	-104.86	423.82	632.56	607.92	24.64	25.675		
2,900.00	2,734.49	2,605.54	2,563.83	17.30	11.91	-144.83	-88.71	421.12	687.39	662.17	25.22	27.261		
3,000.00	2,825.77	2,698.33	2,654.18	18.00	12.35	-147.27	-67.91	417.34	742.85	716.73	26.12	28.441		
3,100.00	2,917.06	2,768.12	2,722.18	18.69	12.68	-148.84	-52.40	414.89	798.77	772.06	26.71	29.907		
3,200.00	3,008.34	2,852.87	2,804.63	19.39	13.09	-150.42	-32.92	412.98	855.76	828.23	27.53	31.087		
3,300.00	3,099.63	2,922.06	2,872.03	20.09	13.42	-151.59	-17.38	411.04	912.77	884.64	28.14	32.443		
3,400.00	3,190.91	2,977.10	2,925.32	20.79	13.69	-152.49	-3.79	408.80	971.97	943.43	28.54	34.054		
3,500.00	3,282.20	3,091.69	3,036.38	21.49	14.25	-154.20	23.82	403.16	1,031.08	1,001.27	29.81	34.591		
3,600.00	3,373.48	3,187.99	3,130.41	22.19	14.72	-155.44	44.10	398.75	1,087.83	1,057.03	30.80	35.322		
3,700.00	3,464.77	3,247.96	3,188.88	22.89	15.01	-156.13	57.20	396.21	1,145.51	1,114.20	31.31	36.586		
3,800.00	3,556.05	3,383.74	3,321.70	23.60	15.65	-157.54	84.70	390.34	1,202.01	1,169.21	32.80	36.642		
3,900.00	3,647.34	3,475.53	3,411.99	24.30	16.08	-158.40	100.78	386.44	1,256.47	1,222.75	33.72	37.260		
4,000.00	3,738.62	3,547.76	3,483.02	25.00	16.42	-158.98	113.62	384.04	1,311.18	1,276.77	34.41	38.105		
4,100.00	3,829.91	3,604.82	3,538.98	25.71	16.69	-159.40	124.64	382.24	1,367.24	1,332.33	34.92	39.159		
4,200.00	3,921.19	3,675.74	3,608.31	26.42	17.03	-159.89	139.38	379.83	1,424.61	1,389.01	35.60	40.021		
4,300.00	4,012.48	3,746.72	3,677.65	27.12	17.37	-160.35	154.34	377.28	1,482.38	1,446.10	36.28	40.858		
4,400.00	4,103.76	3,810.00	3,739.30	27.83	17.68	-160.70	168.50	375.58	1,541.09	1,504.22	36.87	41.795		
4,500.00	4,195.05	3,860.59	3,788.40	28.54	17.93	-160.95	180.62	374.44	1,601.04	1,563.74	37.30	42.923		
4,600.00	4,286.33	3,911.62	3,837.71	29.24	18.18	-161.19	193.70	373.18	1,662.42	1,624.69	37.73	44.058		
4,700.00	4,377.62	3,964.65	3,888.75	29.95	18.45	-161.43	208.02	371.50	1,725.05	1,686.85	38.19	45.167		
4,800.00	4,468.90	4,021.78	3,943.51	30.66	18.75	-161.69	224.12	369.24	1,788.77	1,750.06	38.71	46.207		
4,900.00	4,560.19	4,086.98	4,005.86	31.37	19.09	-161.96	243.01	366.79	1,853.11	1,813.76	39.35	47.093		

CC - Min centre 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-14C-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-14C-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							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)	(ft)	(ft)					
5,000.00	4,651.47	4,249.80	4,162.23	32.08	19.92	-162.52	288.10	362.30		1,916.70	1,875.38	41.32	46.392				
5,100.00	4,742.76	4,429.21	4,337.45	32.79	20.79	-163.22	325.94	355.91		1,973.71	1,930.36	43.35	45.527				
5,200.00	4,834.04	4,497.24	4,404.05	33.50	21.12	-163.48	339.53	353.07		2,031.12	1,987.10	44.02	46.137				
5,300.00	4,925.33	4,571.11	4,476.30	34.21	21.47	-163.75	354.60	349.99		2,088.92	2,044.15	44.77	46.664				
5,400.00	5,016.61	4,643.76	4,547.29	34.92	21.83	-163.99	369.79	347.31		2,147.06	2,101.56	45.50	47.193				
5,500.00	5,107.90	4,744.63	4,645.90	35.63	22.32	-164.29	390.78	343.99		2,205.07	2,158.51	46.56	47.359				
5,600.00	5,199.18	4,826.41	4,725.95	36.34	22.71	-164.54	407.22	340.72		2,262.68	2,215.28	47.40	47.738				
5,700.00	5,290.46	4,942.14	4,839.41	37.05	23.27	-164.95	428.89	333.79		2,319.64	2,271.02	48.62	47.714				
5,800.00	5,381.75	5,003.79	4,899.88	37.76	23.56	-165.17	440.12	329.58		2,376.45	2,327.23	49.22	48.283				
5,900.00	5,473.03	5,053.98	4,949.02	38.47	23.80	-165.34	449.80	326.35		2,434.11	2,384.41	49.69	48.983				
6,000.00	5,564.32	5,097.61	4,991.60	39.18	24.02	-165.47	458.94	323.70		2,492.98	2,442.90	50.09	49.774				
6,100.00	5,655.60	5,147.05	5,039.69	39.90	24.26	-165.60	470.09	320.94		2,553.02	2,502.47	50.55	50.509				
6,200.00	5,746.89	5,481.73	5,367.90	40.61	25.85	-166.22	533.87	313.68		2,609.56	2,555.37	54.19	48.152				
6,300.00	5,838.17	5,559.92	5,445.24	41.32	26.21	-166.32	545.40	313.98		2,661.97	2,606.98	54.99	48.409				
6,400.00	5,929.46	6,400.00	5,614.54	42.03	29.91	-166.56	569.35	314.22		2,714.36	2,654.74	59.62	45.524				
6,500.00	6,020.74	6,002.45	5,885.14	42.74	28.11	-166.99	590.63	315.36		2,760.15	2,701.04	59.11	46.697				
6,600.00	6,112.03	6,135.97	6,018.57	43.46	28.65	-167.25	595.49	314.78		2,803.37	2,743.06	60.31	46.484				
6,700.00	6,203.31	6,278.47	6,161.03	44.17	29.21	-167.55	597.99	313.10		2,845.23	2,783.68	61.55	46.227				
6,800.00	6,294.60	7,778.00	7,050.44	44.88	38.56	-152.13	611.79	1,189.28		2,875.02	2,801.47	73.55	39.091				
6,900.00	6,385.88	7,786.72	7,050.53	45.59	38.71	-151.96	611.72	1,198.00		2,886.83	2,812.14	74.69	38.650				
6,927.91	6,411.36	7,791.52	7,050.57	45.79	38.79	-151.86	611.68	1,202.80		2,890.72	2,815.68	75.04	38.522				
6,950.00	6,431.59	7,794.98	7,050.60	45.95	38.84	-156.22	611.66	1,206.26		2,893.99	2,818.68	75.31	38.429				
7,000.00	6,477.77	7,800.46	7,050.65	46.27	38.93	-167.19	611.62	1,211.74		2,902.05	2,826.21	75.84	38.266				
7,050.00	6,524.26	7,802.66	7,050.67	46.56	38.97	-179.23	611.61	1,213.94		2,910.98	2,834.71	76.28	38.164				
7,100.00	6,570.76	7,801.61	7,050.67	46.81	38.95	168.52	611.61	1,212.88		2,920.75	2,844.13	76.62	38.120				
7,150.00	6,617.00	7,797.34	7,050.63	47.02	38.88	156.96	611.64	1,208.62		2,931.26	2,854.39	76.87	38.132				
7,200.00	6,662.68	7,789.93	7,050.56	47.20	38.76	146.66	611.70	1,201.21		2,942.45	2,865.41	77.04	38.193				
7,250.00	6,707.53	7,779.45	7,050.45	47.34	38.59	137.80	611.78	1,190.73		2,954.19	2,877.06	77.13	38.300				
7,300.00	6,751.28	7,767.35	7,050.34	47.47	38.40	130.30	611.89	1,178.63		2,966.38	2,889.18	77.20	38.427				
7,350.00	6,793.64	7,752.59	7,050.26	47.57	38.17	123.92	612.04	1,163.87		2,978.89	2,901.68	77.20	38.584				
7,400.00	6,834.35	7,735.05	7,050.25	47.66	37.91	118.46	612.25	1,146.33		2,991.58	2,914.42	77.16	38.770				
7,450.00	6,873.18	7,714.78	7,050.34	47.75	37.60	113.74	612.53	1,126.06		3,004.33	2,927.25	77.08	38.979				
7,500.00	6,909.88	7,500.00	7,050.77	47.83	34.57	109.37	613.14	1,086.26		3,016.96	2,942.79	74.17	40.677				
7,550.00	6,944.21	7,598.74	7,051.05	47.91	35.99	105.09	613.52	1,010.04		3,028.85	2,953.16	75.69	40.017				
7,600.00	6,975.98	7,455.97	7,045.95	47.99	34.35	100.52	611.01	867.49		3,039.41	2,965.57	73.83	41.165				
7,650.00	7,004.98	7,429.66	7,042.66	48.09	34.10	97.93	610.18	841.40		3,048.58	2,974.74	73.84	41.286				
7,700.00	7,031.04	7,403.05	7,038.45	48.20	33.85	95.69	609.45	815.14		3,057.04	2,983.16	73.88	41.380				
7,750.00	7,053.99	7,750.00	6,980.46	48.32	36.00	91.67	601.28	642.89		3,064.39	2,988.62	75.77	40.444				
7,800.00	7,073.70	7,183.00	6,964.25	48.46	32.48	89.97	598.65	609.67		3,069.35	2,997.27	72.07	42.586				
7,850.00	7,090.03	7,183.00	6,964.25	48.62	32.48	89.03	598.65	609.67		3,073.35	3,000.73	72.62	42.324				
7,900.00	7,102.90	7,183.00	6,964.25	48.81	32.48	88.31	598.65	609.67		3,076.60	3,003.38	73.22	42.020				
7,950.00	7,112.22	7,183.00	6,964.25	49.02	32.48	87.79	598.65	609.67		3,079.09	3,005.21	73.88	41.677				
8,000.00	7,117.94	7,183.00	6,964.25	49.26	32.48	87.45	598.65	609.67		3,080.80	3,006.21	74.60	41.300				
8,021.15	7,119.26	7,145.94	6,943.92	49.37	32.34	86.96	596.30	578.79		3,079.96	3,005.46	74.51	41.337				
8,047.82	7,120.00	7,142.38	6,941.84	49.51	32.33	86.89	596.18	575.90		3,080.10	3,005.22	74.88	41.136				
8,100.00	7,120.42	7,135.42	6,937.73	49.82	32.30	86.81	596.01	570.29		3,080.51	3,004.87	75.64	40.728				
8,200.00	7,121.24	7,091.00	6,909.68	50.53	32.15	86.29	596.67	535.88		3,084.50	3,007.64	76.85	40.135				
8,300.00	7,122.05	7,091.00	6,909.68	51.39	32.15	86.29	596.67	535.88		3,089.79	3,011.09	78.70	39.262				
8,400.00	7,122.86	7,091.00	6,909.68	52.42	32.15	86.29	596.67	535.88		3,098.30	3,017.67	80.64	38.423				
8,500.00	7,123.68	7,091.00	6,909.68	53.63	32.15	86.29	596.67	535.88		3,110.01	3,027.36	82.65	37.629				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,600.00	7,124.49	7,047.80	6,879.98	55.01	32.00	85.73	598.97	504.61	3,124.16	3,039.87	84.30	37.062					
8,700.00	7,125.30	6,997.00	6,842.64	56.54	31.83	85.04	602.16	470.33	3,141.05	3,055.14	85.91	36.560					
8,800.00	7,126.12	6,997.00	6,842.64	58.21	31.83	85.04	602.16	470.33	3,160.04	3,071.99	88.05	35.888					
8,900.00	7,126.93	6,997.00	6,842.64	60.01	31.83	85.04	602.16	470.33	3,182.07	3,091.88	90.19	35.282					
9,000.00	7,127.75	6,951.59	6,806.84	61.92	31.68	84.39	605.33	442.59	3,206.09	3,114.16	91.94	34.873					
9,100.00	7,128.56	6,933.68	6,792.04	63.92	31.62	84.11	606.63	432.59	3,232.99	3,139.09	93.90	34.430					
9,200.00	7,129.37	6,905.00	6,767.61	66.01	31.53	83.67	608.76	417.72	3,262.53	3,166.77	95.75	34.073					
9,300.00	7,130.19	6,900.09	6,763.35	68.16	31.52	83.59	609.13	415.32	3,294.44	3,196.68	97.76	33.699					
9,400.00	7,131.00	6,666.04	6,546.55	70.38	30.69	79.64	607.83	329.29	3,328.18	3,230.43	97.75	34.048					
9,500.00	7,131.81	6,655.22	6,536.12	72.65	30.65	79.45	606.89	326.59	3,362.80	3,263.15	99.65	33.745					
9,600.00	7,132.63	6,625.00	6,506.76	74.97	30.54	78.91	604.11	319.98	3,400.10	3,298.79	101.31	33.562					
9,700.00	7,133.44	6,625.00	6,506.76	77.33	30.54	78.91	604.11	319.98	3,439.60	3,336.40	103.20	33.331					
9,800.00	7,134.25	6,625.00	6,506.76	79.72	30.54	78.91	604.11	319.98	3,481.52	3,376.51	105.01	33.153					
9,900.00	7,135.07	6,625.00	6,506.76	82.16	30.54	78.91	604.11	319.98	3,525.78	3,419.02	106.76	33.025					
10,000.00	7,135.88	6,625.00	6,506.76	84.62	30.54	78.91	604.11	319.98	3,572.29	3,463.86	108.44	32.944					
10,100.00	7,136.70	6,625.00	6,506.76	87.11	30.54	78.91	604.11	319.98	3,620.97	3,510.93	110.04	32.907					
10,200.00	7,137.51	6,625.00	6,506.76	89.62	30.54	78.91	604.11	319.98	3,671.73	3,560.16	111.57	32.911					
10,300.00	7,138.32	6,625.00	6,506.76	92.16	30.54	78.91	604.11	319.98	3,724.48	3,611.45	113.02	32.953					
10,400.00	7,139.14	6,625.00	6,506.76	94.71	30.54	78.91	604.11	319.98	3,779.14	3,664.73	114.41	33.032					
10,500.00	7,139.95	6,625.00	6,506.76	97.29	30.54	78.91	604.11	319.98	3,835.62	3,719.90	115.73	33.144					
10,600.00	7,140.76	6,625.00	6,506.76	99.88	30.54	78.91	604.11	319.98	3,893.86	3,776.89	116.98	33.288					
10,700.00	7,141.58	6,625.00	6,506.76	102.48	30.54	78.91	604.11	319.98	3,953.77	3,835.61	118.16	33.460					
10,800.00	7,142.39	6,625.00	6,506.76	105.10	30.54	78.91	604.11	319.98	4,015.28	3,895.99	119.29	33.661					
10,900.00	7,143.20	6,625.00	6,506.76	107.74	30.54	78.91	604.11	319.98	4,078.31	3,957.96	120.35	33.887					
11,000.00	7,144.02	6,625.00	6,506.76	110.38	30.54	78.91	604.11	319.98	4,142.80	4,021.44	121.36	34.137					
11,100.00	7,144.83	6,625.00	6,506.76	113.04	30.54	78.91	604.11	319.98	4,208.67	4,086.36	122.31	34.410					
11,200.00	7,145.65	6,625.00	6,506.76	115.71	30.54	78.91	604.11	319.98	4,275.87	4,152.66	123.21	34.704					
11,300.00	7,146.46	6,625.00	6,506.76	118.38	30.54	78.91	604.11	319.98	4,344.33	4,220.27	124.06	35.018					
11,400.00	7,147.27	6,625.00	6,506.76	121.07	30.54	78.91	604.11	319.98	4,414.00	4,289.13	124.86	35.351					
11,500.00	7,148.09	6,625.00	6,506.76	123.76	30.54	78.91	604.11	319.98	4,484.81	4,359.19	125.62	35.701					
11,600.00	7,148.90	6,625.00	6,506.76	126.46	30.54	78.91	604.11	319.98	4,556.71	4,430.38	126.34	36.068					
11,700.00	7,149.71	6,625.00	6,506.76	129.17	30.54	78.91	604.11	319.98	4,629.67	4,502.65	127.01	36.451					
11,800.00	7,150.53	6,625.00	6,506.76	131.89	30.54	78.91	604.11	319.98	4,703.61	4,575.96	127.65	36.847					
11,900.00	7,151.34	6,625.00	6,506.76	134.61	30.54	78.91	604.11	319.98	4,778.50	4,650.25	128.25	37.258					
12,000.00	7,152.16	6,625.00	6,506.76	137.34	30.54	78.91	604.11	319.98	4,854.30	4,725.48	128.82	37.682					
12,100.00	7,152.97	6,625.00	6,506.76	140.07	30.54	78.91	604.11	319.98	4,930.96	4,801.60	129.36	38.118					
12,200.00	7,153.78	6,625.00	6,506.76	142.81	30.54	78.91	604.11	319.98	5,008.45	4,878.58	129.87	38.566					
12,300.00	7,154.60	6,625.00	6,506.76	145.55	30.54	78.91	604.11	319.98	5,086.72	4,956.37	130.35	39.024					
12,400.00	7,155.41	6,625.00	6,506.76	148.30	30.54	78.91	604.11	319.98	5,165.74	5,034.94	130.80	39.493					
12,500.00	7,156.22	6,625.00	6,506.76	151.05	30.54	78.91	604.11	319.98	5,245.47	5,114.24	131.23	39.972					
12,600.00	7,157.04	6,625.00	6,506.76	153.80	30.54	78.91	604.11	319.98	5,325.89	5,194.26	131.63	40.460					
12,700.00	7,157.85	6,625.00	6,506.76	156.56	30.54	78.91	604.11	319.98	5,406.97	5,274.95	132.02	40.957					
12,800.00	7,158.66	6,625.00	6,506.76	159.33	30.54	78.91	604.11	319.98	5,488.66	5,356.28	132.38	41.462					
12,900.00	7,159.48	6,582.37	6,464.78	162.09	30.37	78.15	600.82	313.48	5,568.78	5,436.30	132.48	42.036					
13,000.00	7,160.29	6,581.64	6,464.05	164.86	30.37	78.13	600.78	313.40	5,651.57	5,518.77	132.80	42.558					
13,100.00	7,161.11	6,580.92	6,463.34	167.64	30.36	78.12	600.74	313.32	5,734.90	5,601.80	133.10	43.086					
13,209.97	7,162.00	6,580.16	6,462.58	170.69	30.36	78.11	600.70	313.24	5,827.15	5,693.73	133.42	43.675					
13,210.89	7,162.01	6,580.15	6,462.58	170.72	30.36	78.11	600.70	313.24	5,827.92	5,694.50	133.42	43.680					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
0.00	0.00	0.00	0.00	3.28	3.28	131.40	-447.73	507.82	677.10					
100.00	100.00	81.74	81.74	3.28	3.29	131.39	-447.96	508.20	677.49	670.92	6.57	103.117		
200.00	200.00	177.86	177.85	3.34	3.31	131.37	-448.73	509.53	679.04	672.39	6.65	102.074		
300.00	299.98	283.96	283.94	3.44	3.41	-20.41	-449.28	510.87	678.70	671.85	6.85	99.061		
400.00	399.84	395.74	395.71	3.59	3.57	-20.72	-448.28	511.65	673.75	666.58	7.17	93.989		
500.00	499.45	525.01	524.84	3.79	3.83	-21.49	-442.78	511.20	662.65	655.00	7.65	86.638		
600.00	598.70	657.70	656.82	4.04	4.16	-22.92	-429.62	508.13	643.26	635.00	8.27	77.815		
700.00	697.47	787.67	784.78	4.32	4.55	-25.32	-407.48	503.71	615.88	606.91	8.97	68.656		
800.00	795.62	898.48	892.08	4.64	4.92	-28.65	-380.14	500.25	581.91	572.26	9.64	60.345		
900.00	893.06	993.29	982.86	5.01	5.27	-32.58	-352.92	497.68	544.60	534.31	10.29	52.917		
1,000.00	989.64	1,092.80	1,077.33	5.41	5.66	-37.80	-321.90	493.95	504.74	493.72	11.02	45.799		
1,100.00	1,085.27	1,174.67	1,154.88	5.85	6.01	-43.13	-295.94	490.03	464.35	452.62	11.73	39.578		
1,200.00	1,179.82	1,253.60	1,230.10	6.33	6.36	-49.07	-272.48	485.54	425.59	413.09	12.51	34.030		
1,300.00	1,273.17	1,340.58	1,313.19	6.84	6.75	-56.67	-247.49	479.51	389.23	375.83	13.39	29.058		
1,404.90	1,369.69	1,417.81	1,386.35	7.43	7.12	-64.93	-223.44	473.66	356.31	341.91	14.40	24.743		
1,500.00	1,456.50	1,481.44	1,446.17	8.00	7.43	-72.16	-202.14	469.60	336.75	321.38	15.37	21.913		
1,587.13	1,536.04	1,537.88	1,499.03	8.53	7.71	-78.89	-182.54	466.97	330.68	314.45	16.23	20.379 CC, ES		
1,600.00	1,547.79	1,546.91	1,507.47	8.61	7.75	-79.98	-179.37	466.64	330.80	314.45	16.35	20.233		
1,700.00	1,639.07	1,623.58	1,579.77	9.23	8.14	-88.88	-153.95	464.20	339.37	322.09	17.28	19.635 SF		
1,800.00	1,730.36	1,696.21	1,648.80	9.87	8.50	-96.69	-131.45	462.52	360.03	341.98	18.06	19.940		
1,900.00	1,821.64	1,767.06	1,715.99	10.52	8.85	-103.69	-109.02	461.45	391.64	372.94	18.70	20.946		
2,000.00	1,912.93	1,837.30	1,782.45	11.18	9.21	-109.89	-86.27	460.92	431.96	412.70	19.27	22.420		
2,100.00	2,004.21	1,914.67	1,855.57	11.84	9.60	-115.85	-60.98	460.49	478.49	458.59	19.90	24.045		
2,200.00	2,095.50	1,992.45	1,929.18	12.51	10.00	-121.05	-35.92	459.17	528.74	508.19	20.54	25.741		
2,300.00	2,186.78	2,068.29	2,000.92	13.19	10.40	-125.51	-11.43	456.90	582.08	560.92	21.16	27.503		
2,400.00	2,278.06	2,144.66	2,073.20	13.86	10.80	-129.40	13.11	454.20	637.81	616.00	21.81	29.242		
2,500.00	2,369.35	2,222.16	2,146.61	14.55	11.20	-132.83	37.76	451.03	695.24	672.75	22.49	30.915		
2,600.00	2,460.63	2,301.55	2,221.86	15.23	11.62	-135.94	62.69	446.88	753.84	730.64	23.20	32.489		
2,700.00	2,551.92	2,377.96	2,294.32	15.92	12.03	-138.63	86.41	441.69	813.37	789.48	23.89	34.049		
2,800.00	2,643.20	2,448.54	2,361.17	16.61	12.41	-140.88	108.34	436.18	874.01	849.50	24.51	35.661		
2,900.00	2,734.49	2,517.82	2,426.68	17.30	12.78	-142.83	130.31	431.10	936.09	910.96	25.13	37.253		
3,000.00	2,825.77	2,604.91	2,509.17	18.00	13.25	-145.01	157.44	424.40	998.48	972.49	25.99	38.419		
3,100.00	2,917.06	2,695.99	2,595.92	18.69	13.74	-146.91	184.58	418.79	1,060.40	1,033.49	26.91	39.406		
3,200.00	3,008.34	2,759.03	2,656.04	19.39	14.07	-147.97	203.40	416.68	1,122.68	1,095.19	27.49	40.844		
3,300.00	3,099.63	2,831.35	2,724.88	20.09	14.45	-149.01	225.53	415.40	1,185.82	1,157.63	28.20	42.058		
3,400.00	3,190.91	2,905.29	2,795.25	20.79	14.84	-150.02	248.13	413.43	1,249.24	1,220.31	28.93	43.184		
3,500.00	3,282.20	2,975.79	2,862.29	21.49	15.22	-150.90	269.87	411.35	1,313.11	1,283.48	29.62	44.327		
3,600.00	3,373.48	3,040.29	2,923.50	22.19	15.56	-151.59	290.19	410.29	1,377.61	1,347.36	30.25	45.542		
3,700.00	3,464.77	3,117.42	2,996.54	22.89	15.98	-152.28	314.95	410.41	1,442.58	1,411.53	31.05	46.462		
3,800.00	3,556.05	3,193.14	3,068.35	23.60	16.38	-152.91	338.98	410.41	1,507.38	1,475.54	31.83	47.352		
3,900.00	3,647.34	3,262.27	3,133.86	24.30	16.75	-153.46	361.07	409.95	1,572.51	1,539.98	32.53	48.333		
4,000.00	3,738.62	3,334.48	3,202.24	25.00	17.15	-154.02	384.24	408.82	1,637.92	1,604.64	33.28	49.219		
4,100.00	3,829.91	3,428.07	3,291.01	25.71	17.65	-154.72	413.75	406.47	1,703.11	1,668.82	34.29	49.662		
4,200.00	3,921.19	3,538.89	3,396.64	26.42	18.24	-155.41	447.25	405.52	1,767.18	1,731.66	35.52	49.756		
4,300.00	4,012.48	3,640.58	3,494.04	27.12	18.77	-155.95	476.48	405.80	1,830.00	1,793.39	36.61	49.981		
4,400.00	4,103.76	3,728.55	3,578.59	27.83	19.22	-156.40	500.74	405.72	1,891.97	1,854.43	37.54	50.396		
4,500.00	4,195.05	3,788.65	3,636.30	28.54	19.54	-156.68	517.53	405.64	1,954.30	1,916.15	38.15	51.233		
4,600.00	4,286.33	3,847.51	3,692.65	29.24	19.84	-156.94	534.50	405.67	2,017.37	1,978.64	38.74	52.080		
4,700.00	4,377.62	3,906.17	3,748.65	29.95	20.15	-157.18	551.99	406.02	2,081.19	2,041.86	39.33	52.921		
4,800.00	4,468.90	3,967.79	3,807.32	30.66	20.48	-157.41	570.82	406.40	2,145.62	2,105.66	39.96	53.699		
4,900.00	4,560.19	4,027.21	3,863.77	31.37	20.80	-157.62	589.35	406.63	2,210.60	2,170.04	40.56	54.501		

CC - Min centre 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-14C-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-14C-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		
5,000.00	4,651.47	4,083.00	3,916.65	32.08	21.10	-157.81	607.16	406.84	2,276.20	2,235.08	41.12	55.353		
5,100.00	4,742.76	4,134.82	3,965.60	32.79	21.39	-157.97	624.16	407.01	2,342.51	2,300.88	41.64	56.261		
5,200.00	4,834.04	4,184.85	4,012.68	33.50	21.66	-158.13	641.08	407.17	2,409.62	2,367.49	42.13	57.197		
5,300.00	4,925.33	4,238.72	4,063.22	34.21	21.97	-158.28	659.73	407.25	2,477.40	2,434.72	42.67	58.055		
5,400.00	5,016.61	5,400.00	4,252.19	34.92	28.22	-158.89	724.35	406.05	2,543.41	2,493.54	49.87	51.000		
5,500.00	5,107.90	4,578.01	4,385.91	35.63	23.79	-159.31	764.11	404.60	2,606.44	2,559.87	46.57	55.967		
5,600.00	5,199.18	4,644.00	4,449.44	36.34	24.14	-159.51	781.95	403.67	2,668.67	2,621.42	47.26	56.471		
5,700.00	5,290.46	4,698.80	4,502.11	37.05	24.43	-159.68	796.99	402.34	2,731.50	2,683.69	47.82	57.124		
5,800.00	5,381.75	4,737.00	4,538.64	37.76	24.63	-159.81	808.09	400.89	2,795.65	2,747.47	48.18	58.023		
5,900.00	5,473.03	4,782.28	4,581.76	38.47	24.87	-159.96	821.73	398.90	2,860.75	2,812.12	48.63	58.828		
6,000.00	5,564.32	4,834.57	4,631.43	39.18	25.16	-160.13	837.93	396.55	2,926.58	2,877.42	49.16	59.534		
6,100.00	5,655.60	6,100.00	4,722.64	39.90	32.08	-160.44	867.14	391.96	2,992.02	2,935.87	56.15	53.290		
6,200.00	5,746.89	4,974.28	4,764.31	40.61	25.92	-160.58	880.50	389.60	3,057.82	3,007.18	50.64	60.382		
6,300.00	5,838.17	5,016.00	4,803.77	41.32	26.15	-160.71	893.84	387.17	3,124.67	3,073.63	51.04	61.214		
6,400.00	5,929.46	5,224.52	5,002.41	42.03	27.29	-161.40	955.55	372.93	3,189.48	3,136.07	53.41	59.715		
6,500.00	6,020.74	5,642.10	5,407.12	42.74	29.38	-162.63	1,053.66	347.79	3,252.19	3,194.48	57.70	56.360		
6,600.00	6,112.03	5,741.81	5,505.15	43.46	29.84	-162.87	1,071.50	344.32	3,307.65	3,248.95	58.70	56.348		
6,700.00	6,203.31	5,969.71	5,730.24	44.17	30.86	-163.31	1,106.96	341.77	3,360.04	3,299.25	60.79	55.271		
6,800.00	6,294.60	6,064.43	5,824.06	44.88	31.27	-163.49	1,119.88	340.69	3,411.57	3,349.84	61.72	55.271		
6,900.00	6,385.88	7,904.93	7,072.33	45.59	40.90	-150.51	1,193.37	1,266.21	3,460.31	3,383.63	76.67	45.130		
6,927.91	6,411.36	7,910.66	7,072.11	45.79	40.98	-150.41	1,193.28	1,271.93	3,464.97	3,387.94	77.03	44.984		
6,950.00	6,431.59	7,914.82	7,071.96	45.95	41.05	-154.82	1,193.20	1,276.09	3,468.83	3,391.53	77.29	44.878		
7,000.00	6,477.77	7,920.93	7,071.76	46.27	41.14	-165.92	1,193.09	1,282.20	3,478.19	3,400.36	77.82	44.693		
7,050.00	6,524.26	7,922.16	7,071.72	46.56	41.16	-178.10	1,193.07	1,283.42	3,488.37	3,410.13	78.24	44.586		
7,100.00	6,570.76	7,918.13	7,071.85	46.81	41.10	169.49	1,193.14	1,279.40	3,499.31	3,420.77	78.53	44.558		
7,150.00	6,617.00	7,908.49	7,072.19	47.02	40.95	157.74	1,193.31	1,269.76	3,510.91	3,432.21	78.71	44.608		
7,200.00	6,662.68	7,892.86	7,072.82	47.20	40.72	147.24	1,193.56	1,254.15	3,523.08	3,444.33	78.75	44.737		
7,250.00	6,707.53	7,870.92	7,073.83	47.34	40.39	138.15	1,193.87	1,232.24	3,535.67	3,457.00	78.67	44.943		
7,300.00	6,751.28	7,842.36	7,075.40	47.47	39.97	130.37	1,194.17	1,203.72	3,548.52	3,470.06	78.46	45.227		
7,350.00	6,793.64	7,825.00	7,076.48	47.57	39.71	123.96	1,194.30	1,186.40	3,561.49	3,483.04	78.45	45.398		
7,400.00	6,834.35	7,802.64	7,077.75	47.66	39.42	118.46	1,194.52	1,164.07	3,574.49	3,496.11	78.39	45.602		
7,450.00	6,873.18	7,786.01	7,078.43	47.75	39.20	113.82	1,194.76	1,147.46	3,587.46	3,509.04	78.42	45.745		
7,500.00	6,909.88	7,543.00	7,045.75	47.83	36.59	106.74	1,194.69	908.31	3,600.20	3,525.14	75.06	47.966		
7,550.00	6,944.21	7,543.00	7,045.75	47.91	36.59	103.63	1,194.69	908.31	3,611.06	3,535.68	75.39	47.901		
7,600.00	6,975.98	7,543.00	7,045.75	47.99	36.59	100.95	1,194.69	908.31	3,621.56	3,545.82	75.74	47.814		
7,650.00	7,004.98	7,506.70	7,032.84	48.09	36.34	98.14	1,193.77	874.41	3,630.99	3,555.33	75.67	47.987		
7,700.00	7,031.04	7,498.81	7,029.73	48.20	36.29	96.06	1,193.69	867.15	3,640.25	3,564.26	75.99	47.905		
7,750.00	7,053.99	7,490.40	7,026.31	48.32	36.24	94.25	1,193.66	859.48	3,648.87	3,572.52	76.35	47.793		
7,800.00	7,073.70	7,450.00	7,008.23	48.46	36.02	92.33	1,194.22	823.36	3,657.29	3,580.96	76.33	47.915		
7,850.00	7,090.03	7,450.00	7,008.23	48.62	36.02	91.14	1,194.22	823.36	3,664.18	3,587.29	76.89	47.654		
7,900.00	7,102.90	7,450.00	7,008.23	48.81	36.02	90.17	1,194.22	823.36	3,670.33	3,592.82	77.50	47.357		
7,950.00	7,112.22	7,450.00	7,008.23	49.02	36.02	89.40	1,194.22	823.36	3,675.70	3,597.53	78.16	47.026		
8,000.00	7,117.94	7,450.00	7,008.23	49.26	36.02	88.83	1,194.22	823.36	3,680.26	3,601.39	78.87	46.664		
8,047.82	7,120.00	7,416.60	6,991.67	49.51	35.87	88.20	1,195.31	794.37	3,683.52	3,604.35	79.17	46.525		
8,100.00	7,120.42	7,395.90	6,980.92	49.82	35.78	88.03	1,196.12	776.71	3,686.84	3,607.11	79.73	46.240		
8,200.00	7,121.24	7,050.11	6,762.04	50.53	34.88	84.60	1,196.54	510.26	3,693.15	3,615.34	77.81	47.464		
8,300.00	7,122.05	7,009.24	6,731.68	51.39	34.78	84.12	1,194.49	483.00	3,696.49	3,617.27	79.23	46.656		
8,400.00	7,122.86	6,979.00	6,708.33	52.42	34.70	83.76	1,193.03	463.84	3,701.87	3,621.02	80.86	45.783		
8,500.00	7,123.68	6,942.53	6,679.02	53.63	34.60	83.30	1,191.32	442.21	3,709.38	3,626.84	82.54	44.941		
8,600.00	7,124.49	6,916.23	6,657.04	55.01	34.52	82.96	1,190.09	427.82	3,719.14	3,634.76	84.39	44.073		

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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,700.00	7,125.30	8,700.00	6,583.82	56.54	40.74	81.82	1,184.59	391.83	3,730.89	3,637.38	93.52	39.896		
8,800.00	7,126.12	8,790.00	6,543.49	58.21	34.12	81.19	1,181.04	374.17	3,744.61	3,657.02	87.59	42.751		
8,900.00	7,126.93	8,790.00	6,543.49	60.01	34.12	81.19	1,181.04	374.17	3,760.68	3,670.87	89.81	41.874		
9,000.00	7,127.75	8,790.00	6,543.49	61.92	34.12	81.19	1,181.04	374.17	3,779.33	3,687.29	92.04	41.062		
9,100.00	7,128.56	8,790.00	6,543.49	63.92	34.12	81.19	1,181.04	374.17	3,800.52	3,706.25	94.27	40.316		
9,200.00	7,129.37	8,790.00	6,543.49	66.01	34.12	81.19	1,181.04	374.17	3,824.21	3,727.72	96.48	39.636		
9,300.00	7,130.19	8,749.24	6,504.61	68.16	33.98	80.59	1,176.83	362.74	3,849.23	3,750.89	98.34	39.142		
9,400.00	7,131.00	8,744.83	6,500.34	70.38	33.96	80.52	1,176.43	361.67	3,877.48	3,777.01	100.47	38.592		
9,500.00	7,131.81	8,740.70	6,496.34	72.65	33.94	80.46	1,176.06	360.71	3,908.06	3,805.49	102.58	38.099		
9,600.00	7,132.63	8,736.83	6,492.58	74.97	33.93	80.40	1,175.73	359.84	3,940.92	3,836.28	104.64	37.662		
9,700.00	7,133.44	8,733.19	6,489.05	77.33	33.92	80.34	1,175.42	359.04	3,976.01	3,869.35	106.66	37.279		
9,800.00	7,134.25	8,695.00	6,451.61	79.72	33.78	79.77	1,172.64	352.11	4,014.17	3,905.83	108.34	37.050		
9,900.00	7,135.07	8,695.00	6,451.61	82.16	33.78	79.77	1,172.64	352.11	4,053.38	3,943.09	110.29	36.752		
10,000.00	7,135.88	8,695.00	6,451.61	84.62	33.78	79.77	1,172.64	352.11	4,094.66	3,982.48	112.18	36.500		
10,100.00	7,136.70	8,695.00	6,451.61	87.11	33.78	79.77	1,172.64	352.11	4,137.95	4,023.94	114.01	36.294		
10,200.00	7,137.51	8,695.00	6,451.61	89.62	33.78	79.77	1,172.64	352.11	4,183.18	4,067.39	115.78	36.129		
10,300.00	7,138.32	8,695.00	6,451.61	92.16	33.78	79.77	1,172.64	352.11	4,230.29	4,112.79	117.49	36.004		
10,400.00	7,139.14	8,695.00	6,451.61	94.71	33.78	79.77	1,172.64	352.11	4,279.22	4,160.07	119.14	35.916		
10,500.00	7,139.95	8,695.00	6,451.61	97.29	33.78	79.77	1,172.64	352.11	4,329.90	4,209.17	120.73	35.864		
10,600.00	7,140.76	8,695.00	6,451.61	99.88	33.78	79.77	1,172.64	352.11	4,382.28	4,260.02	122.26	35.844		
10,700.00	7,141.58	8,695.00	6,451.61	102.48	33.78	79.77	1,172.64	352.11	4,436.30	4,312.57	123.73	35.855		
10,800.00	7,142.39	8,695.00	6,451.61	105.10	33.78	79.77	1,172.64	352.11	4,491.89	4,366.75	125.14	35.895		
10,900.00	7,143.20	8,695.00	6,451.61	107.74	33.78	79.77	1,172.64	352.11	4,549.01	4,422.51	126.49	35.963		
11,000.00	7,144.02	8,695.00	6,451.61	110.38	33.78	79.77	1,172.64	352.11	4,607.58	4,479.79	127.79	36.056		
11,100.00	7,144.83	8,695.00	6,451.61	113.04	33.78	79.77	1,172.64	352.11	4,667.56	4,538.53	129.03	36.174		
11,200.00	7,145.65	8,695.00	6,451.61	115.71	33.78	79.77	1,172.64	352.11	4,728.90	4,598.68	130.22	36.315		
11,300.00	7,146.46	8,695.00	6,451.61	118.38	33.78	79.77	1,172.64	352.11	4,791.54	4,660.19	131.36	36.478		
11,400.00	7,147.27	8,695.00	6,451.61	121.07	33.78	79.77	1,172.64	352.11	4,855.43	4,722.99	132.44	36.661		
11,500.00	7,148.09	8,695.00	6,451.61	123.76	33.78	79.77	1,172.64	352.11	4,920.52	4,787.04	133.48	36.863		
11,600.00	7,148.90	8,695.00	6,451.61	126.46	33.78	79.77	1,172.64	352.11	4,986.77	4,852.30	134.48	37.083		
11,700.00	7,149.71	8,695.00	6,451.61	129.17	33.78	79.77	1,172.64	352.11	5,054.13	4,918.71	135.43	37.320		
11,800.00	7,150.53	8,695.00	6,451.61	131.89	33.78	79.77	1,172.64	352.11	5,122.56	4,986.23	136.33	37.574		
11,900.00	7,151.34	8,695.00	6,451.61	134.61	33.78	79.77	1,172.64	352.11	5,192.01	5,054.81	137.20	37.843		
12,000.00	7,152.16	8,695.00	6,451.61	137.34	33.78	79.77	1,172.64	352.11	5,262.45	5,124.42	138.02	38.127		
12,100.00	7,152.97	8,695.00	6,451.61	140.07	33.78	79.77	1,172.64	352.11	5,333.82	5,195.01	138.81	38.424		
12,200.00	7,153.78	8,695.00	6,451.61	142.81	33.78	79.77	1,172.64	352.11	5,406.11	5,266.54	139.57	38.735		
12,300.00	7,154.60	8,695.00	6,451.61	145.55	33.78	79.77	1,172.64	352.11	5,479.27	5,338.98	140.29	39.057		
12,400.00	7,155.41	8,695.00	6,451.61	148.30	33.78	79.77	1,172.64	352.11	5,553.26	5,412.29	140.98	39.392		
12,500.00	7,156.22	8,695.00	6,451.61	151.05	33.78	79.77	1,172.64	352.11	5,628.06	5,486.43	141.63	39.737		
12,600.00	7,157.04	8,695.00	6,451.61	153.80	33.78	79.77	1,172.64	352.11	5,703.63	5,561.38	142.26	40.094		
12,700.00	7,157.85	8,695.00	6,451.61	156.56	33.78	79.77	1,172.64	352.11	5,779.95	5,637.09	142.86	40.460		
12,800.00	7,158.66	8,695.00	6,451.61	159.33	33.78	79.77	1,172.64	352.11	5,856.97	5,713.55	143.43	40.836		
12,900.00	7,159.48	8,695.00	6,451.61	162.09	33.78	79.77	1,172.64	352.11	5,934.69	5,790.71	143.97	41.221		
13,000.00	7,160.29	8,695.00	6,451.61	164.86	33.78	79.77	1,172.64	352.11	6,013.06	5,868.56	144.50	41.614		
13,100.00	7,161.11	8,695.00	6,451.61	167.64	33.78	79.77	1,172.64	352.11	6,092.06	5,947.07	144.99	42.016		
13,209.97	7,162.00	8,695.00	6,451.61	170.69	33.78	79.77	1,172.64	352.11	6,179.64	6,034.13	145.52	42.467		
13,210.89	7,162.01	8,695.00	6,451.61	170.72	33.78	79.77	1,172.64	352.11	6,180.38	6,034.86	145.52	42.471		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 437-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	132.65	-467.76	507.82	690.51					
100.00	100.00	95.57	95.57	3.28	3.29	132.63	-467.32	507.61	690.00	683.43	6.57	104.993		
200.00	200.00	202.92	202.91	3.34	3.31	132.58	-465.76	506.87	688.51	681.86	6.65	103.553		
300.00	299.98	310.14	310.08	3.44	3.35	-19.27	-463.09	505.61	684.31	677.52	6.80	100.707		
400.00	399.84	416.93	416.79	3.59	3.41	-19.62	-459.32	503.83	675.77	668.77	7.01	96.412		
500.00	499.45	531.91	531.56	3.79	3.57	-20.28	-452.99	501.46	662.40	655.02	7.38	89.766		
600.00	598.70	641.18	640.36	4.04	3.79	-21.40	-442.99	499.54	643.72	635.87	7.85	82.020		
700.00	697.47	749.93	748.20	4.32	4.05	-23.11	-429.12	498.48	620.38	611.98	8.40	73.861		
800.00	795.62	860.83	857.54	4.64	4.38	-25.58	-410.59	497.52	592.06	583.03	9.03	65.553		
900.00	893.06	971.15	965.43	5.01	4.73	-28.95	-387.67	495.87	558.79	549.07	9.73	57.456		
1,000.00	989.64	1,071.77	1,063.03	5.41	5.08	-33.03	-363.40	493.05	521.22	510.79	10.43	49.969		
1,100.00	1,085.27	1,158.94	1,147.43	5.85	5.42	-37.44	-341.85	489.57	481.70	470.57	11.13	43.276		
1,200.00	1,179.82	1,249.90	1,235.52	6.33	5.78	-42.99	-319.65	485.25	441.78	429.87	11.91	37.103		
1,300.00	1,273.17	1,339.09	1,321.48	6.84	6.16	-49.86	-296.57	479.57	401.41	388.67	12.75	31.488		
1,404.90	1,369.69	1,419.16	1,398.04	7.43	6.52	-57.76	-273.75	474.14	361.91	348.21	13.71	26.405		
1,500.00	1,456.50	1,488.20	1,463.81	8.00	6.83	-65.14	-253.10	470.36	334.00	319.34	14.67	22.770		
1,600.00	1,547.79	1,564.27	1,536.04	8.61	7.19	-74.07	-229.60	466.11	315.69	299.95	15.75	20.048		
1,679.09	1,619.98	1,619.54	1,588.61	9.10	7.46	-80.77	-212.79	463.43	311.04	294.49	16.55	18.793 CC, ES		
1,700.00	1,639.07	1,634.61	1,603.00	9.23	7.53	-82.58	-208.34	462.84	311.36	294.61	16.75	18.586		
1,800.00	1,730.36	1,710.59	1,675.77	9.87	7.89	-91.44	-186.62	460.55	321.12	303.47	17.65	18.192 SF		
1,900.00	1,821.64	1,795.44	1,757.44	10.52	8.29	-100.60	-163.77	457.79	341.82	323.33	18.49	18.486		
2,000.00	1,912.93	1,877.71	1,836.97	11.18	8.68	-108.57	-143.02	454.23	370.59	351.37	19.22	19.283		
2,100.00	2,004.21	1,953.80	1,910.49	11.84	9.04	-115.14	-123.74	450.64	406.83	387.00	19.83	20.517		
2,200.00	2,095.50	2,024.91	1,978.95	12.51	9.39	-120.58	-104.83	447.25	449.77	429.41	20.35	22.096		
2,300.00	2,186.78	2,099.15	2,050.20	13.19	9.76	-125.53	-84.28	443.68	497.90	476.98	20.92	23.804		
2,400.00	2,278.06	2,175.09	2,123.02	13.86	10.14	-129.87	-63.02	440.23	549.59	528.07	21.52	25.543		
2,500.00	2,369.35	2,244.86	2,189.96	14.55	10.49	-133.22	-43.47	437.80	603.88	581.82	22.06	27.377		
2,600.00	2,460.63	2,306.03	2,248.28	15.23	10.80	-135.79	-25.12	435.90	661.51	639.01	22.50	29.406		
2,700.00	2,551.92	2,400.48	2,338.36	15.92	11.28	-139.22	3.04	432.51	720.29	696.86	23.43	30.748		
2,800.00	2,643.20	2,472.48	2,407.26	16.61	11.65	-141.45	23.81	429.89	779.34	755.29	24.05	32.401		
2,900.00	2,734.49	2,565.57	2,496.48	17.30	12.12	-143.90	50.18	426.85	838.87	813.89	24.98	33.578		
3,000.00	2,825.77	2,639.82	2,567.92	18.00	12.50	-145.60	70.24	424.43	897.95	872.29	25.67	34.985		
3,100.00	2,917.06	2,708.28	2,633.65	18.69	12.85	-146.91	89.38	423.33	958.28	931.99	26.29	36.452		
3,200.00	3,008.34	2,775.83	2,698.32	19.39	13.19	-148.09	108.83	421.99	1,019.66	992.75	26.91	37.896		
3,300.00	3,099.63	2,837.19	2,756.85	20.09	13.51	-149.06	127.20	420.91	1,082.28	1,054.83	27.45	39.426		
3,400.00	3,190.91	2,907.47	2,823.65	20.79	13.88	-150.03	149.02	420.07	1,146.00	1,117.87	28.13	40.741		
3,500.00	3,282.20	2,989.43	2,901.59	21.49	14.31	-151.08	174.35	418.68	1,209.87	1,180.89	28.97	41.756		
3,600.00	3,373.48	3,104.68	3,011.73	22.19	14.91	-152.40	208.19	416.36	1,272.88	1,242.62	30.26	42.067		
3,700.00	3,464.77	3,185.81	3,089.90	22.89	15.33	-153.23	229.86	414.75	1,333.76	1,302.68	31.08	42.908		
3,800.00	3,556.05	3,243.04	3,144.83	23.60	15.62	-153.77	245.87	413.61	1,395.83	1,364.22	31.61	44.163		
3,900.00	3,647.34	3,304.59	3,203.70	24.30	15.95	-154.31	263.79	412.26	1,458.96	1,426.77	32.19	45.323		
4,000.00	3,738.62	3,441.16	3,334.82	25.00	16.65	-155.43	301.77	408.86	1,521.31	1,487.58	33.73	45.103		
4,100.00	3,829.91	3,518.11	3,409.15	25.71	17.04	-156.05	321.46	405.95	1,582.03	1,547.53	34.51	45.849		
4,200.00	3,921.19	3,567.44	3,456.66	26.42	17.30	-156.44	334.47	403.48	1,643.65	1,608.70	34.95	47.034		
4,300.00	4,012.48	3,629.28	3,515.97	27.12	17.62	-156.93	351.63	399.90	1,706.54	1,671.00	35.54	48.016		
4,400.00	4,103.76	3,727.18	3,609.97	27.83	18.13	-157.63	378.43	394.53	1,769.27	1,732.68	36.59	48.355		
4,500.00	4,195.05	3,812.66	3,692.33	28.54	18.57	-158.18	400.97	390.61	1,831.13	1,793.64	37.48	48.853		
4,600.00	4,286.33	3,867.36	3,744.94	29.24	18.86	-158.49	415.82	388.39	1,893.63	1,855.63	38.00	49.830		
4,700.00	4,377.62	3,907.34	3,783.22	29.95	19.07	-158.70	427.22	386.86	1,957.30	1,918.97	38.34	51.054		
4,800.00	4,468.90	3,940.56	3,814.82	30.66	19.25	-158.87	437.41	385.61	2,022.63	1,984.04	38.58	52.424		
4,900.00	4,560.19	3,976.00	3,848.27	31.37	19.44	-159.03	449.03	384.30	2,089.53	2,050.69	38.85	53.786		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-7C-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 437-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,651.47	4,012.12	3,882.15	32.08	19.65	-159.19	461.47	382.90	2,157.79	2,118.67	39.13	55.149		
5,100.00	4,742.76	4,051.50	3,918.89	32.79	19.87	-159.37	475.54	381.23	2,227.17	2,187.72	39.45	56.459		
5,200.00	4,834.04	4,116.73	3,979.48	33.50	20.24	-159.64	499.50	378.16	2,297.39	2,257.25	40.13	57.244		
5,300.00	4,925.33	4,471.26	4,315.52	34.21	22.18	-161.08	610.02	360.34	2,365.04	2,320.56	44.48	53.174		
5,400.00	5,016.61	4,536.28	4,378.37	34.92	22.51	-161.32	626.43	357.49	2,426.47	2,381.33	45.14	53.755		
5,500.00	5,107.90	4,608.92	4,448.50	35.63	22.89	-161.57	645.09	354.48	2,488.25	2,442.36	45.89	54.220		
5,600.00	5,199.18	4,670.83	4,508.22	36.34	23.21	-161.76	661.26	352.16	2,550.34	2,503.82	46.52	54.819		
5,700.00	5,290.46	4,751.16	4,585.50	37.05	23.62	-161.97	683.07	350.08	2,613.05	2,565.68	47.37	55.161		
5,800.00	5,381.75	4,865.10	4,695.69	37.76	24.21	-162.29	711.83	346.41	2,674.16	2,625.56	48.60	55.024		
5,900.00	5,473.03	4,924.20	4,752.80	38.47	24.51	-162.45	726.92	344.36	2,735.79	2,686.58	49.20	55.602		
6,000.00	5,564.32	4,990.31	4,816.59	39.18	24.85	-162.62	744.11	341.92	2,797.86	2,747.97	49.89	56.084		
6,100.00	5,655.60	5,071.92	4,895.29	39.90	25.27	-162.83	765.43	338.62	2,860.11	2,809.37	50.75	56.358		
6,200.00	5,746.89	5,130.66	4,951.94	40.61	25.58	-162.98	780.78	336.17	2,922.45	2,871.10	51.35	56.911		
6,300.00	5,838.17	5,855.62	5,665.68	41.32	28.82	-164.51	892.42	325.94	2,970.03	2,911.98	58.05	51.166		
6,400.00	5,929.46	5,911.81	5,721.76	42.03	29.05	-164.63	895.75	325.36	3,015.08	2,956.40	58.68	51.381		
6,500.00	6,020.74	6,061.89	5,871.59	42.74	29.63	-164.97	904.25	323.07	3,060.27	3,000.31	59.96	51.042		
6,600.00	6,112.03	6,206.92	6,016.52	43.46	30.18	-165.26	909.51	323.08	3,103.09	3,041.92	61.17	50.726		
6,700.00	6,203.31	6,365.21	6,174.79	44.17	30.77	-165.59	911.75	322.35	3,144.09	3,081.65	62.44	50.354		
6,800.00	6,294.60	6,463.65	6,273.23	44.88	31.12	-165.79	911.98	321.90	3,184.17	3,120.83	63.34	50.271		
6,900.00	6,385.88	7,848.53	7,139.77	45.59	38.30	-153.10	925.26	1,137.57	3,212.86	3,139.24	73.61	43.646		
6,927.91	6,411.36	7,867.00	7,139.87	45.79	38.56	-152.78	925.54	1,156.03	3,216.79	3,142.62	74.18	43.367		
6,950.00	6,431.59	7,867.00	7,139.87	45.95	38.56	-157.19	925.54	1,156.03	3,220.00	3,145.62	74.38	43.292		
7,000.00	6,477.77	7,867.00	7,139.87	46.27	38.56	-168.25	925.54	1,156.03	3,227.84	3,153.02	74.82	43.142		
7,050.00	6,524.26	7,867.00	7,139.87	46.56	38.56	179.70	925.54	1,156.03	3,236.40	3,161.17	75.23	43.019		
7,100.00	6,570.76	7,867.00	7,139.87	46.81	38.56	167.52	925.54	1,156.03	3,245.64	3,170.02	75.62	42.922		
7,150.00	6,617.00	7,867.00	7,139.87	47.02	38.56	156.10	925.54	1,156.03	3,255.49	3,179.51	75.98	42.847		
7,200.00	6,662.68	7,848.58	7,139.77	47.20	38.30	145.71	925.26	1,137.62	3,265.79	3,189.78	76.01	42.963		
7,250.00	6,707.53	7,841.07	7,139.74	47.34	38.20	137.02	925.16	1,130.11	3,276.58	3,200.36	76.22	42.991		
7,300.00	6,751.28	7,831.47	7,139.71	47.47	38.07	129.69	925.06	1,120.50	3,287.70	3,211.33	76.37	43.048		
7,350.00	6,793.64	7,819.82	7,139.69	47.57	37.91	123.50	924.97	1,108.86	3,299.05	3,222.56	76.49	43.130		
7,400.00	6,834.35	7,806.21	7,139.69	47.66	37.72	118.26	924.89	1,095.24	3,310.53	3,233.95	76.57	43.233		
7,450.00	6,873.18	7,790.70	7,139.71	47.75	37.51	113.76	924.86	1,079.74	3,322.01	3,245.38	76.63	43.350		
7,500.00	6,909.88	7,775.47	7,139.75	47.83	37.30	109.89	924.88	1,064.51	3,333.39	3,256.69	76.70	43.458		
7,550.00	6,944.21	7,720.00	7,139.49	47.91	36.63	106.05	924.83	1,009.04	3,344.24	3,268.06	76.18	43.902		
7,600.00	6,975.98	7,687.92	7,138.50	47.99	36.28	102.99	924.77	976.97	3,354.54	3,278.47	76.07	44.096		
7,650.00	7,004.98	7,665.75	7,137.21	48.09	36.04	100.42	924.87	954.84	3,364.39	3,288.24	76.15	44.182		
7,700.00	7,031.04	7,642.97	7,135.36	48.20	35.80	98.19	925.11	932.14	3,373.67	3,297.42	76.25	44.245		
7,750.00	7,053.99	7,531.00	7,116.20	48.32	34.83	95.34	925.98	821.97	3,382.10	3,306.93	75.17	44.994		
7,800.00	7,073.70	7,531.00	7,116.20	48.46	34.83	93.98	925.98	821.97	3,389.06	3,313.37	75.69	44.775		
7,850.00	7,090.03	7,497.63	7,106.72	48.62	34.62	92.51	926.08	789.98	3,395.07	3,319.22	75.85	44.761		
7,900.00	7,102.90	7,481.17	7,101.39	48.81	34.52	91.45	926.31	774.41	3,400.38	3,324.12	76.26	44.588		
7,950.00	7,112.22	7,464.49	7,095.56	49.02	34.43	90.61	926.66	758.79	3,404.85	3,328.13	76.72	44.380		
8,000.00	7,117.94	7,437.00	7,085.01	49.26	34.30	89.90	927.52	733.42	3,408.47	3,331.39	77.08	44.218		
8,047.82	7,120.00	7,219.23	6,965.11	49.51	33.63	87.58	927.11	553.09	3,409.55	3,334.05	75.50	45.161		
8,081.24	7,120.27	7,204.49	6,954.83	49.71	33.59	87.40	926.65	542.53	3,409.43	3,333.55	75.88	44.930		
8,100.00	7,120.42	7,196.46	6,949.15	49.82	33.57	87.31	926.41	536.86	3,409.47	3,333.37	76.10	44.802		
8,200.00	7,121.24	7,159.45	6,922.20	50.53	33.47	86.85	925.42	511.52	3,410.91	3,333.48	77.43	44.054		
8,300.00	7,122.05	7,084.31	6,863.68	51.39	33.25	85.86	923.32	464.49	3,414.22	3,335.67	78.56	43.463		
8,400.00	7,122.86	7,017.79	6,808.06	52.42	33.05	84.92	920.74	428.14	3,419.30	3,339.42	79.88	42.807		
8,500.00	7,123.68	6,966.00	6,762.94	53.63	32.89	84.16	918.21	402.86	3,426.35	3,344.92	81.43	42.078		

CC - Min centre 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-14C-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-14C-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-7C-M - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 437-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,124.49	6,966.00	6,762.94	55.01	32.89	84.16	918.21	402.86	3,435.99	3,352.46	83.53	41.137		
8,700.00	7,125.30	6,932.55	6,732.94	56.54	32.78	83.65	916.58	388.15	3,448.03	3,362.65	85.38	40.385		
8,800.00	7,126.12	6,918.91	6,720.50	58.21	32.74	83.45	916.00	382.60	3,462.89	3,375.45	87.45	39.600		
8,900.00	7,126.93	6,906.49	6,709.07	60.01	32.70	83.25	915.53	377.76	3,480.41	3,390.87	89.54	38.869		
9,000.00	7,127.75	6,892.00	6,696.86	61.92	32.58	82.71	914.44	365.48	3,500.83	3,409.38	91.46	38.279		
9,100.00	7,128.56	6,872.00	6,676.86	63.92	32.58	82.71	914.44	365.48	3,523.44	3,429.78	93.66	37.619		
9,200.00	7,129.37	6,872.00	6,676.86	66.01	32.58	82.71	914.44	365.48	3,548.72	3,452.88	95.84	37.026		
9,300.00	7,130.19	6,872.00	6,676.86	68.16	32.58	82.71	914.44	365.48	3,576.62	3,478.63	98.00	36.498		
9,400.00	7,131.00	6,872.00	6,676.86	70.38	32.58	82.71	914.44	365.48	3,607.08	3,506.97	100.11	36.032		
9,500.00	7,131.81	6,872.00	6,676.86	72.65	32.58	82.71	914.44	365.48	3,640.03	3,537.86	102.18	35.625		
9,600.00	7,132.63	6,872.00	6,676.86	74.97	32.58	82.71	914.44	365.48	3,675.41	3,571.22	104.19	35.276		
9,700.00	7,133.44	6,836.50	6,643.11	77.33	32.46	82.15	913.71	354.53	3,712.42	3,606.53	105.90	35.057		
9,800.00	7,134.25	6,830.17	6,637.03	79.72	32.44	82.05	913.62	352.75	3,752.14	3,644.38	107.76	34.820		
9,900.00	7,135.07	6,824.20	6,631.30	82.16	32.42	81.95	913.56	351.12	3,794.04	3,684.48	109.56	34.629		
10,000.00	7,135.88	6,818.58	6,625.87	84.62	32.40	81.86	913.50	349.63	3,838.04	3,726.74	111.31	34.482		
10,100.00	7,136.70	6,813.27	6,620.74	87.11	32.38	81.78	913.47	348.26	3,884.09	3,771.10	112.99	34.376		
10,200.00	7,137.51	6,777.00	6,585.45	89.62	32.25	81.19	913.46	339.90	3,932.72	3,818.32	114.40	34.378		
10,300.00	7,138.32	6,777.00	6,585.45	92.16	32.25	81.19	913.46	339.90	3,982.48	3,866.49	115.99	34.334		
10,400.00	7,139.14	6,777.00	6,585.45	94.71	32.25	81.19	913.46	339.90	4,034.10	3,916.58	117.52	34.327		
10,500.00	7,139.95	6,777.00	6,585.45	97.29	32.25	81.19	913.46	339.90	4,087.52	3,968.54	118.98	34.354		
10,600.00	7,140.76	6,777.00	6,585.45	99.88	32.25	81.19	913.46	339.90	4,142.66	4,022.28	120.38	34.413		
10,700.00	7,141.58	6,777.00	6,585.45	102.48	32.25	81.19	913.46	339.90	4,199.46	4,077.74	121.72	34.502		
10,800.00	7,142.39	6,777.00	6,585.45	105.10	32.25	81.19	913.46	339.90	4,257.85	4,134.86	122.99	34.619		
10,900.00	7,143.20	6,777.00	6,585.45	107.74	32.25	81.19	913.46	339.90	4,317.77	4,193.56	124.21	34.762		
11,000.00	7,144.02	6,777.00	6,585.45	110.38	32.25	81.19	913.46	339.90	4,379.15	4,253.78	125.37	34.930		
11,100.00	7,144.83	6,777.00	6,585.45	113.04	32.25	81.19	913.46	339.90	4,441.94	4,315.46	126.47	35.122		
11,200.00	7,145.65	6,777.00	6,585.45	115.71	32.25	81.19	913.46	339.90	4,506.07	4,378.54	127.52	35.335		
11,300.00	7,146.46	6,777.00	6,585.45	118.38	32.25	81.19	913.46	339.90	4,571.48	4,442.96	128.52	35.569		
11,400.00	7,147.27	6,777.00	6,585.45	121.07	32.25	81.19	913.46	339.90	4,638.14	4,508.66	129.47	35.823		
11,500.00	7,148.09	6,777.00	6,585.45	123.76	32.25	81.19	913.46	339.90	4,705.97	4,575.59	130.38	36.095		
11,600.00	7,148.90	6,777.00	6,585.45	126.46	32.25	81.19	913.46	339.90	4,774.93	4,643.69	131.24	36.384		
11,700.00	7,149.71	6,777.00	6,585.45	129.17	32.25	81.19	913.46	339.90	4,844.98	4,712.92	132.05	36.689		
11,800.00	7,150.53	6,777.00	6,585.45	131.89	32.25	81.19	913.46	339.90	4,916.06	4,783.23	132.83	37.010		
11,900.00	7,151.34	6,777.00	6,585.45	134.61	32.25	81.19	913.46	339.90	4,988.13	4,854.57	133.57	37.345		
12,000.00	7,152.16	6,777.00	6,585.45	137.34	32.25	81.19	913.46	339.90	5,061.16	4,926.89	134.27	37.694		
12,100.00	7,152.97	6,777.00	6,585.45	140.07	32.25	81.19	913.46	339.90	5,135.09	5,000.16	134.93	38.056		
12,200.00	7,153.78	6,737.12	6,546.22	142.81	32.11	80.55	913.59	332.78	5,208.96	5,073.56	135.40	38.471		
12,300.00	7,154.60	6,734.83	6,543.96	145.55	32.10	80.51	913.59	332.44	5,284.48	5,148.49	135.99	38.859		
12,400.00	7,155.41	6,732.64	6,541.79	148.30	32.10	80.48	913.59	332.12	5,360.79	5,224.24	136.56	39.257		
12,500.00	7,156.22	6,730.55	6,539.72	151.05	32.09	80.44	913.58	331.82	5,437.87	5,300.78	137.10	39.665		
12,600.00	7,157.04	6,728.54	6,537.73	153.80	32.08	80.41	913.58	331.54	5,515.68	5,378.07	137.61	40.083		
12,700.00	7,157.85	6,726.62	6,535.83	156.56	32.07	80.38	913.58	331.28	5,594.19	5,456.09	138.09	40.511		
12,800.00	7,158.66	6,724.77	6,534.00	159.33	32.07	80.35	913.58	331.03	5,673.37	5,534.81	138.55	40.947		
12,900.00	7,159.48	6,723.00	6,532.24	162.09	32.06	80.32	913.57	330.79	5,753.19	5,614.20	138.99	41.392		
13,000.00	7,160.29	6,682.00	6,491.46	164.86	31.92	79.65	913.38	326.60	5,834.59	5,695.36	139.23	41.906		
13,100.00	7,161.11	6,682.00	6,491.46	167.64	31.92	79.65	913.38	326.60	5,915.55	5,775.91	139.64	42.363		
13,209.97	7,162.00	6,682.00	6,491.46	170.69	31.92	79.65	913.38	326.60	6,005.25	5,865.18	140.06	42.875		
13,210.89	7,162.01	6,682.00	6,491.46	170.72	31.92	79.65	913.38	326.60	6,006.00	5,865.93	140.07	42.879		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	140.19	-608.02	506.71	791.56					
100.00	100.00	89.80	89.80	3.28	3.29	140.21	-608.15	506.49	791.44	784.87	6.57	120.451		
200.00	200.00	190.87	190.87	3.34	3.31	140.27	-608.57	505.72	791.28	784.63	6.65	118.969		
300.00	299.98	283.21	283.20	3.44	3.40	-11.36	-609.09	504.85	789.42	782.58	6.84	115.476		
400.00	399.84	357.17	357.12	3.59	3.49	-11.33	-611.32	504.96	786.70	779.60	7.10	110.863		
500.00	499.45	440.52	440.30	3.79	3.64	-11.22	-616.54	505.30	783.23	775.78	7.45	105.151		
600.00	598.70	518.45	517.90	4.04	3.80	-11.07	-623.75	505.76	778.79	770.91	7.87	98.922		
700.00	697.47	602.31	601.17	4.32	4.00	-10.89	-633.56	507.15	773.49	765.12	8.37	92.435		
800.00	795.62	685.75	683.76	4.64	4.23	-10.67	-645.30	508.58	766.69	757.77	8.92	85.940		
900.00	893.06	766.99	763.77	5.01	4.48	-10.35	-659.33	509.64	758.79	749.27	9.52	79.675		
1,000.00	989.64	850.09	845.00	5.41	4.77	-9.86	-676.86	509.92	749.93	739.75	10.18	73.683		
1,100.00	1,085.27	937.81	930.12	5.85	5.10	-9.16	-697.99	509.05	739.41	728.53	10.88	67.955		
1,200.00	1,179.82	1,024.49	1,013.44	6.33	5.45	-8.25	-721.76	506.56	727.29	715.66	11.63	62.549		
1,300.00	1,273.17	1,116.28	1,101.21	6.84	5.85	-7.19	-748.46	503.58	713.20	700.77	12.43	57.389		
1,404.90	1,369.69	1,216.21	1,196.50	7.43	6.31	-5.96	-778.33	500.10	695.66	682.34	13.32	52.243		
1,500.00	1,456.50	1,307.52	1,283.59	8.00	6.74	-4.77	-805.61	497.25	678.53	664.38	14.15	47.960		
1,600.00	1,547.79	1,400.91	1,372.45	8.61	7.20	-3.46	-834.16	494.16	661.37	646.34	15.03	44.000		
1,700.00	1,639.07	1,504.07	1,470.25	9.23	7.72	-1.71	-866.50	488.50	644.29	628.32	15.98	40.331		
1,800.00	1,730.36	1,603.47	1,564.31	9.87	8.24	0.21	-897.83	481.31	627.19	610.27	16.92	37.068		
1,900.00	1,821.64	1,703.08	1,658.84	10.52	8.76	2.16	-928.49	474.54	610.28	592.40	17.88	34.137		
2,000.00	1,912.93	1,799.43	1,750.41	11.18	9.27	4.10	-957.86	468.54	594.02	575.19	18.83	31.545		
2,100.00	2,004.21	1,909.13	1,855.37	11.84	9.84	6.26	-989.18	462.69	576.95	557.10	19.84	29.073		
2,200.00	2,095.50	2,009.78	1,952.13	12.51	10.37	8.28	-1,016.44	457.72	559.31	538.49	20.83	26.857		
2,300.00	2,186.78	2,112.23	2,050.96	13.19	10.90	10.35	-1,043.11	453.43	541.57	519.75	21.82	24.821		
2,400.00	2,278.06	2,210.99	2,146.44	13.86	11.41	12.50	-1,067.91	448.83	523.49	500.68	22.81	22.949		
2,500.00	2,369.35	2,300.00	2,232.43	14.55	11.87	14.54	-1,090.58	445.00	506.61	482.83	23.78	21.301		
2,600.00	2,460.63	2,398.71	2,327.48	15.23	12.39	16.90	-1,116.99	441.39	491.92	467.11	24.81	19.828		
2,700.00	2,551.92	2,497.45	2,422.96	15.92	12.90	19.32	-1,141.92	438.15	476.63	450.77	25.85	18.437		
2,800.00	2,643.20	2,589.64	2,511.97	16.61	13.39	21.67	-1,165.77	435.61	462.90	436.01	26.89	17.216		
2,900.00	2,734.49	2,679.72	2,598.71	17.30	13.87	24.00	-1,190.04	433.97	451.24	423.30	27.93	16.154		
3,000.00	2,825.77	2,778.12	2,693.09	18.00	14.40	26.77	-1,217.73	431.29	441.72	412.67	29.06	15.202		
3,100.00	2,917.06	2,872.63	2,783.93	18.69	14.91	29.62	-1,243.64	428.06	432.60	402.41	30.19	14.330		
3,200.00	3,008.34	2,964.37	2,871.69	19.39	15.41	32.61	-1,270.00	423.91	426.14	394.80	31.34	13.597		
3,300.00	3,099.63	3,067.61	2,970.43	20.09	15.98	36.03	-1,299.81	419.41	421.23	388.61	32.62	12.914		
3,400.00	3,190.91	3,163.47	3,062.53	20.79	16.50	39.29	-1,326.11	415.40	416.27	382.40	33.87	12.289		
3,500.00	3,282.20	3,258.06	3,153.15	21.49	17.02	42.56	-1,352.89	411.26	413.70	378.55	35.15	11.769		
3,600.00	3,373.48	3,367.19	3,257.99	22.19	17.62	46.35	-1,382.85	406.93	411.75	375.15	36.59	11.252		
3,689.66	3,455.33	3,446.78	3,334.72	22.82	18.05	49.11	-1,403.81	404.30	410.12	372.37	37.75	10.865		
3,700.00	3,464.77	3,455.64	3,343.24	22.89	18.09	49.42	-1,406.24	403.94	410.14	372.26	37.88	10.828		
3,800.00	3,556.05	3,560.09	3,443.71	23.60	18.66	53.08	-1,434.55	400.00	410.81	371.47	39.34	10.442		
3,900.00	3,647.34	3,656.87	3,537.04	24.30	19.18	56.36	-1,460.00	397.51	411.69	370.95	40.74	10.105		
4,000.00	3,738.62	3,749.72	3,626.37	25.00	19.69	59.37	-1,485.23	395.51	414.51	372.41	42.11	9.845		
4,100.00	3,829.91	3,841.03	3,713.88	25.71	20.19	62.22	-1,511.25	393.39	419.82	376.38	43.45	9.663		
4,200.00	3,921.19	3,936.70	3,805.19	26.42	20.73	65.00	-1,539.69	391.33	427.21	382.38	44.84	9.528		
4,300.00	4,012.48	4,033.80	3,897.76	27.12	21.28	67.68	-1,568.94	389.40	435.85	389.60	46.24	9.425		
4,400.00	4,103.76	4,129.25	3,988.62	27.83	21.82	70.16	-1,598.14	387.62	445.69	398.07	47.61	9.360		
4,500.00	4,195.05	4,224.80	4,079.41	28.54	22.36	72.51	-1,627.82	385.71	456.82	407.85	48.98	9.327		
4,600.00	4,286.33	4,326.42	4,176.17	29.24	22.94	74.95	-1,658.85	383.49	468.52	418.08	50.43	9.290		
4,700.00	4,377.62	4,425.45	4,270.75	29.95	23.50	77.29	-1,688.12	381.49	480.22	428.38	51.83	9.265		
4,800.00	4,468.90	4,511.99	4,353.44	30.66	23.98	79.37	-1,713.40	378.26	493.82	440.79	53.03	9.312		
4,900.00	4,560.19	4,609.32	4,446.50	31.37	24.53	81.73	-1,741.44	373.18	509.19	454.80	54.39	9.362		

CC - Min centre 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-14C-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-14C-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: 166-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,651.47	4,709.22	4,542.28	32.08	25.08	84.09	-1,769.36	367.79	525.07	469.30	55.77	9.415		
5,100.00	4,742.76	4,816.97	4,646.10	32.79	25.67	86.63	-1,797.69	362.56	540.49	483.24	57.26	9.440		
5,200.00	4,834.04	4,903.00	4,729.16	33.50	26.13	88.61	-1,819.64	358.18	556.58	498.21	58.37	9.535		
5,300.00	4,925.33	5,000.86	4,823.61	34.21	26.66	90.79	-1,844.56	352.21	574.34	514.68	59.66	9.627		
5,400.00	5,016.61	5,099.53	4,918.96	34.92	27.19	92.89	-1,869.33	346.52	592.43	531.48	60.94	9.721		
5,500.00	5,107.90	5,194.83	5,011.00	35.63	27.70	94.76	-1,893.45	341.28	611.06	548.91	62.15	9.832		
5,600.00	5,199.18	5,302.71	5,115.26	36.34	28.28	96.73	-1,920.70	336.26	629.54	566.00	63.54	9.907		
5,700.00	5,290.46	5,413.21	5,222.60	37.05	28.86	98.75	-1,946.69	332.75	646.71	581.78	64.93	9.960		
5,800.00	5,381.75	5,524.36	5,331.61	37.76	29.41	101.03	-1,968.21	330.61	662.19	595.94	66.25	9.996		
5,900.00	5,473.03	5,631.57	5,437.36	38.47	29.91	103.35	-1,985.82	329.71	676.79	609.33	67.46	10.033		
6,000.00	5,564.32	5,732.61	5,537.35	39.18	30.38	105.59	-2,000.32	329.86	690.95	622.39	68.56	10.078		
6,100.00	5,655.60	5,825.58	5,629.69	39.90	30.78	107.78	-2,011.05	329.71	705.97	636.43	69.54	10.152		
6,200.00	5,746.89	5,914.04	5,717.81	40.61	31.16	109.99	-2,018.75	328.68	722.73	652.32	70.41	10.265		
6,300.00	5,838.17	6,006.31	5,809.82	41.32	31.54	112.31	-2,025.43	326.87	741.37	670.11	71.26	10.404		
6,400.00	5,929.46	6,102.24	5,905.55	42.03	31.93	114.68	-2,031.31	325.18	761.07	688.96	72.11	10.555		
6,500.00	6,020.74	6,200.46	6,003.64	42.74	32.32	117.06	-2,036.31	323.94	781.57	708.63	72.94	10.715		
6,600.00	6,112.03	6,295.92	6,099.06	43.46	32.68	119.42	-2,038.85	323.42	802.74	729.06	73.68	10.895		
6,700.00	6,203.31	6,381.36	6,184.49	44.17	33.00	121.52	-2,040.01	322.92	825.38	751.11	74.27	11.113		
6,800.00	6,294.60	6,469.59	6,275.16	44.88	33.24	123.93	-2,041.13	322.42	848.62	775.60	75.02	11.342		
6,900.00	6,385.88	6,561.50	6,366.89	45.59	33.54	126.51	-2,041.59	321.94	872.43	800.12	75.79	11.571		
6,927.91	6,411.36	6,587.79	6,392.82	45.79	33.62	126.82	-2,042.72	321.94	872.43	800.12	75.79	11.571		
6,950.00	6,431.59	6,608.62	6,413.76	45.95	33.68	127.06	-2,043.82	321.94	896.67	825.84	76.53	11.800		
7,000.00	6,477.77	6,654.48	6,459.68	46.27	33.78	127.37	-2,045.97	321.62	921.02	851.18	77.34	12.029		
7,050.00	6,524.26	6,701.44	6,506.66	46.56	33.81	127.65	-2,046.02	321.58	945.77	876.43	78.11	12.258		
7,100.00	6,570.76	6,748.46	6,553.68	46.81	33.78	127.45	-2,045.97	321.60	970.52	901.68	78.88	12.487		
7,150.00	6,617.00	6,795.53	6,600.77	47.02	33.68	128.40	-2,045.82	320.67	995.27	926.93	79.65	12.716		
7,200.00	6,662.68	6,842.68	6,646.90	47.20	33.53	129.57	-2,045.57	319.82	1,019.98	952.18	80.42	12.945		
7,250.00	6,707.53	6,889.53	6,692.10	47.34	33.31	130.19	-2,045.23	318.09	1,044.68	977.43	81.19	13.174		
7,300.00	6,751.28	6,931.38	6,736.35	47.47	33.03	131.24	-2,044.81	316.54	1,069.38	1,002.68	81.96	13.403		
7,350.00	6,793.64	6,971.97	6,776.66	47.57	32.69	132.56	-2,044.33	315.14	1,094.08	1,027.93	82.73	13.632		
7,400.00	6,834.35	7,011.29	6,817.09	47.66	32.28	134.00	-2,043.90	313.46	1,118.78	1,053.18	83.50	13.861		
7,450.00	6,873.18	7,050.12	6,855.91	47.75	31.80	135.62	-2,043.87	311.30	1,143.48	1,078.43	84.27	14.090		
7,500.00	6,909.88	7,087.59	6,892.22	47.83	31.28	137.71	-2,044.43	308.77	1,168.18	1,103.68	85.04	14.319		
7,550.00	6,944.21	7,125.00	6,927.68	47.91	30.66	140.49	-2,045.06	305.82	1,192.88	1,128.93	85.81	14.548		
7,588.31	6,968.79	7,160.77	6,952.93	47.97	30.51	141.57	-2,045.44	305.97	1,217.58	1,154.18	86.58	14.777		
7,600.00	6,975.98	7,162.21	6,959.99	47.99	30.41	141.59	-2,045.53	305.41	1,217.58	1,154.18	86.58	14.777		
7,650.00	7,004.98	7,193.84	7,009.12	48.09	30.05	140.43	-2,045.85	303.05	1,242.28	1,179.43	87.35	15.006		
7,700.00	7,031.04	7,220.80	7,034.12	48.20	29.58	138.73	-2,046.08	299.01	1,266.98	1,204.68	88.12	15.235		
7,750.00	7,053.99	7,247.79	7,057.08	48.32	29.08	136.42	-2,046.24	294.00	1,291.68	1,229.93	88.89	15.464		
7,800.00	7,073.70	7,265.07	7,074.03	48.46	28.58	133.55	-2,046.27	288.28	1,316.38	1,255.18	89.66	15.693		
7,850.00	7,090.03	7,274.07	7,091.52	48.62	28.08	130.16	-2,046.16	281.34	1,341.08	1,280.43	90.43	15.922		
7,900.00	7,102.90	7,280.55	7,104.85	48.81	27.57	126.18	-2,045.61	273.94	1,365.78	1,305.68	91.20	16.151		
7,950.00	7,112.22	7,284.02	7,114.41	49.02	27.07	121.52	-2,044.36	266.68	1,390.48	1,330.93	91.97	16.380		
8,000.00	7,117.94	7,284.69	7,119.93	49.26	26.58	116.57	-2,042.65	259.81	1,415.18	1,356.18	92.74	16.609		
8,047.82	7,120.00	7,284.96	7,121.80	49.51	26.03	111.20	-2,039.84	253.48	1,440.43	1,381.43	93.51	16.838		
8,100.00	7,120.42	7,284.47	7,122.48	49.82	25.58	105.25	-2,038.39	247.01	1,465.68	1,406.68	94.28	17.067		
8,200.00	7,121.24	7,283.87	7,123.05	50.53	25.08	98.79	-2,037.92	240.32	1,490.93	1,431.93	95.05	17.296		
8,300.00	7,122.05	7,282.19	7,124.69	51.39	24.53	91.48	-2,038.14	233.40	1,516.18	1,457.18	95.82	17.525		
8,400.00	7,122.86	7,279.00	7,125.50	52.42	23.98	83.51	-2,038.23	226.28	1,541.43	1,482.43	96.59	17.754		
8,500.00	7,123.68	7,275.18	7,126.32	53.63	23.49	75.00	-2,038.46	219.10	1,566.68	1,507.68	97.36	17.983		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,600.00	7,124.49	7,097.91	6,886.89	55.01	35.40	63.07	-2,039.10	404.08	628.25	550.03	78.22	8.032		
8,700.00	7,125.30	7,074.00	6,865.74	56.54	35.34	60.87	-2,039.80	392.94	693.68	614.10	79.58	8.717		
8,800.00	7,126.12	7,048.81	6,843.04	58.21	35.26	58.60	-2,040.60	382.07	765.19	684.66	80.52	9.503		
8,900.00	7,126.93	7,030.13	6,825.93	60.01	35.21	56.96	-2,041.12	374.58	841.56	760.08	81.48	10.329		
9,000.00	7,127.75	7,013.73	6,810.74	61.92	35.16	55.56	-2,041.54	368.40	921.74	839.49	82.25	11.206		
9,100.00	7,128.56	6,979.00	6,778.09	63.92	35.06	52.69	-2,042.26	356.61	1,005.43	923.15	82.28	12.220		
9,200.00	7,129.37	6,979.00	6,778.09	66.01	35.06	52.69	-2,042.26	356.61	1,090.58	1,007.39	83.19	13.109		
9,300.00	7,130.19	6,979.00	6,778.09	68.16	35.06	52.69	-2,042.26	356.61	1,178.07	1,094.21	83.87	14.047		
9,400.00	7,131.00	6,979.00	6,778.09	70.38	35.06	52.69	-2,042.26	356.61	1,267.42	1,183.05	84.37	15.022		
9,500.00	7,131.81	6,979.00	6,778.09	72.65	35.06	52.69	-2,042.26	356.61	1,358.24	1,273.50	84.75	16.027		
9,600.00	7,132.63	6,946.47	6,746.98	74.97	34.95	50.16	-2,042.78	347.15	1,449.12	1,364.55	84.57	17.136		
9,700.00	7,133.44	6,938.72	6,739.50	77.33	34.93	49.57	-2,042.89	345.13	1,541.55	1,456.82	84.74	18.192		
9,800.00	7,134.25	6,931.64	6,732.63	79.72	34.91	49.05	-2,042.98	343.36	1,634.77	1,549.89	84.88	19.261		
9,900.00	7,135.07	6,925.13	6,726.32	82.16	34.89	48.57	-2,043.06	341.80	1,728.65	1,643.66	84.99	20.339		
10,000.00	7,135.88	6,919.15	6,720.50	84.62	34.87	48.14	-2,043.13	340.43	1,823.10	1,738.02	85.09	21.427		
10,100.00	7,136.70	6,886.00	6,688.03	87.11	34.76	45.83	-2,043.44	333.78	1,918.84	1,833.92	84.92	22.597		
10,200.00	7,137.51	6,886.00	6,688.03	89.62	34.76	45.83	-2,043.44	333.78	2,013.95	1,928.90	85.05	23.681		
10,300.00	7,138.32	6,886.00	6,688.03	92.16	34.76	45.83	-2,043.44	333.78	2,109.52	2,024.36	85.15	24.773		
10,400.00	7,139.14	6,886.00	6,688.03	94.71	34.76	45.83	-2,043.44	333.78	2,205.48	2,120.24	85.24	25.873		
10,500.00	7,139.95	6,886.00	6,688.03	97.29	34.76	45.83	-2,043.44	333.78	2,301.78	2,216.47	85.31	26.980		
10,600.00	7,140.76	6,886.00	6,688.03	99.88	34.76	45.83	-2,043.44	333.78	2,398.39	2,313.01	85.38	28.092		
10,700.00	7,141.58	6,886.00	6,688.03	102.48	34.76	45.83	-2,043.44	333.78	2,495.26	2,409.84	85.43	29.209		
10,800.00	7,142.39	6,886.00	6,688.03	105.10	34.76	45.83	-2,043.44	333.78	2,592.38	2,506.91	85.47	30.331		
10,900.00	7,143.20	6,886.00	6,688.03	107.74	34.76	45.83	-2,043.44	333.78	2,689.70	2,604.19	85.51	31.456		
11,000.00	7,144.02	6,886.00	6,688.03	110.38	34.76	45.83	-2,043.44	333.78	2,787.21	2,701.67	85.54	32.584		
11,100.00	7,144.83	6,886.00	6,688.03	113.04	34.76	45.83	-2,043.44	333.78	2,884.89	2,799.33	85.57	33.715		
11,200.00	7,145.65	6,886.00	6,688.03	115.71	34.76	45.83	-2,043.44	333.78	2,982.73	2,897.14	85.59	34.849		
11,300.00	7,146.46	6,886.00	6,688.03	118.38	34.76	45.83	-2,043.44	333.78	3,080.71	2,995.09	85.61	35.984		
11,400.00	7,147.27	6,886.00	6,688.03	121.07	34.76	45.83	-2,043.44	333.78	3,178.81	3,093.17	85.63	37.121		
11,500.00	7,148.09	6,886.00	6,688.03	123.76	34.76	45.83	-2,043.44	333.78	3,277.02	3,191.37	85.65	38.260		
11,600.00	7,148.90	6,850.84	6,653.32	126.46	34.64	43.57	-2,043.44	328.13	3,374.60	3,289.04	85.56	39.440		
11,700.00	7,149.71	6,847.50	6,650.02	129.17	34.63	43.36	-2,043.41	327.65	3,472.88	3,387.31	85.58	40.583		
11,800.00	7,150.53	6,844.30	6,646.85	131.89	34.62	43.17	-2,043.38	327.20	3,571.24	3,485.65	85.59	41.725		
11,900.00	7,151.34	6,841.23	6,643.81	134.61	34.61	42.98	-2,043.34	326.77	3,669.68	3,584.08	85.60	42.868		
12,000.00	7,152.16	6,838.27	6,640.88	137.34	34.60	42.81	-2,043.31	326.37	3,768.19	3,682.57	85.62	44.012		
12,100.00	7,152.97	6,835.43	6,638.06	140.07	34.59	42.64	-2,043.27	325.99	3,866.77	3,781.13	85.63	45.155		
12,200.00	7,153.78	6,832.69	6,635.35	142.81	34.58	42.48	-2,043.22	325.63	3,965.40	3,879.76	85.65	46.298		
12,300.00	7,154.60	6,830.05	6,632.73	145.55	34.57	42.32	-2,043.18	325.29	4,064.10	3,978.44	85.67	47.441		
12,400.00	7,155.41	6,827.51	6,630.21	148.30	34.56	42.18	-2,043.14	324.96	4,162.85	4,077.17	85.68	48.584		
12,500.00	7,156.22	6,792.00	6,594.94	151.05	34.44	40.22	-2,042.22	321.03	4,262.27	4,176.63	85.64	49.769		
12,600.00	7,157.04	6,792.00	6,594.94	153.80	34.44	40.22	-2,042.22	321.03	4,361.04	4,275.37	85.67	50.907		
12,700.00	7,157.85	6,792.00	6,594.94	156.56	34.44	40.22	-2,042.22	321.03	4,459.86	4,374.16	85.69	52.045		
12,800.00	7,158.66	6,792.00	6,594.94	159.33	34.44	40.22	-2,042.22	321.03	4,558.73	4,473.01	85.72	53.182		
12,900.00	7,159.48	6,792.00	6,594.94	162.09	34.44	40.22	-2,042.22	321.03	4,657.64	4,571.90	85.75	54.320		
13,000.00	7,160.29	6,792.00	6,594.94	164.86	34.44	40.22	-2,042.22	321.03	4,756.61	4,670.84	85.77	55.457		
13,100.00	7,161.11	6,792.00	6,594.94	167.64	34.44	40.22	-2,042.22	321.03	4,855.61	4,769.81	85.80	56.593		
13,209.97	7,162.00	6,792.00	6,594.94	170.69	34.44	40.22	-2,042.22	321.03	4,964.54	4,878.71	85.83	57.842		
13,210.89	7,162.01	6,792.00	6,594.94	170.72	34.44	40.22	-2,042.22	321.03	4,965.44	4,879.61	85.83	57.852		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	139.23	-587.99	506.99	776.46					
100.00	100.00	87.80	87.80	3.28	3.29	139.27	-588.37	506.65	776.45	769.88	6.57	118.170		
200.00	200.00	186.43	186.41	3.34	3.31	139.40	-589.72	505.45	776.69	770.05	6.64	116.909		
300.00	299.98	284.99	284.92	3.44	3.34	-12.09	-592.03	503.39	775.41	768.63	6.78	114.337		
400.00	399.84	383.41	383.24	3.59	3.39	-11.86	-595.31	500.47	770.92	763.93	6.98	110.397		
500.00	499.45	475.52	475.19	3.79	3.48	-11.60	-599.52	496.89	763.40	756.13	7.27	104.994		
600.00	598.70	563.69	562.94	4.04	3.63	-11.18	-606.53	492.09	754.08	746.41	7.67	98.333		
700.00	697.47	653.98	652.52	4.32	3.83	-10.60	-615.93	485.90	742.47	734.32	8.15	91.125		
800.00	795.62	738.41	736.08	4.64	4.05	-10.00	-626.54	480.10	729.21	720.53	8.68	83.962		
900.00	893.06	821.07	817.56	5.01	4.29	-9.31	-639.15	474.27	714.70	705.42	9.28	77.042		
1,000.00	989.64	899.86	894.90	5.41	4.55	-8.58	-653.28	469.15	699.41	689.49	9.91	70.574		
1,100.00	1,085.27	977.59	970.92	5.85	4.83	-7.86	-669.03	465.34	683.68	673.10	10.58	64.610		
1,200.00	1,179.82	1,061.19	1,052.39	6.33	5.14	-7.09	-687.62	462.74	667.34	656.04	11.31	59.024		
1,300.00	1,273.17	1,149.94	1,138.56	6.84	5.50	-6.23	-708.75	460.58	649.46	637.39	12.07	53.801		
1,404.90	1,369.69	1,250.83	1,236.26	7.43	5.92	-5.17	-733.77	458.16	628.15	615.21	12.94	48.540		
1,500.00	1,456.50	1,340.69	1,323.05	8.00	6.32	-3.98	-756.80	454.62	607.29	593.54	13.75	44.166		
1,600.00	1,547.79	1,430.64	1,409.55	8.61	6.74	-2.58	-781.09	450.34	586.47	571.86	14.61	40.152		
1,700.00	1,639.07	1,522.81	1,497.67	9.23	7.18	-0.90	-807.59	445.16	567.22	551.72	15.49	36.614		
1,800.00	1,730.36	1,617.92	1,588.42	9.87	7.65	1.01	-835.48	439.46	548.90	532.49	16.41	33.457		
1,900.00	1,821.64	1,717.26	1,683.38	10.52	8.15	3.02	-864.24	434.43	531.28	513.93	17.35	30.624		
2,000.00	1,912.93	1,820.34	1,782.39	11.18	8.68	5.09	-892.59	430.11	513.28	494.97	18.32	28.025		
2,100.00	2,004.21	1,921.97	1,880.48	11.84	9.19	7.11	-918.97	426.85	494.78	475.50	19.28	25.662		
2,200.00	2,095.50	2,025.19	1,980.57	12.51	9.70	9.09	-944.13	424.97	475.82	455.56	20.25	23.494		
2,300.00	2,186.78	2,136.56	2,089.16	13.19	10.24	11.32	-968.73	422.99	455.22	433.98	21.24	21.429		
2,400.00	2,278.06	2,238.95	2,189.52	13.86	10.73	13.54	-988.91	420.78	432.80	410.59	22.21	19.486		
2,500.00	2,369.35	2,333.09	2,281.87	14.55	11.18	15.80	-1,007.05	418.69	410.58	387.40	23.18	17.710		
2,600.00	2,460.63	2,425.88	2,372.74	15.23	11.62	18.29	-1,025.68	416.56	389.85	365.67	24.18	16.123		
2,700.00	2,551.92	2,522.48	2,467.29	15.92	12.09	21.25	-1,045.28	413.73	370.12	344.91	25.21	14.681		
2,800.00	2,643.20	2,614.54	2,557.20	16.61	12.55	24.49	-1,064.75	410.28	352.28	326.00	26.28	13.406		
2,900.00	2,734.49	2,713.18	2,653.53	17.30	13.04	28.33	-1,085.59	406.35	335.79	308.39	27.40	12.253		
3,000.00	2,825.77	2,807.58	2,745.79	18.00	13.51	32.37	-1,105.19	402.51	320.58	292.00	28.58	11.219		
3,100.00	2,917.06	2,895.22	2,831.08	18.69	13.95	36.29	-1,125.12	399.43	309.05	279.29	29.77	10.382		
3,200.00	3,008.34	2,988.16	2,921.03	19.39	14.43	40.48	-1,148.35	396.94	301.50	270.47	31.02	9.718		
3,300.00	3,099.63	3,095.33	3,025.16	20.09	14.98	45.64	-1,173.50	393.96	294.45	262.00	32.44	9.076		
3,400.00	3,190.91	3,195.14	3,122.77	20.79	15.48	50.86	-1,194.15	391.13	287.04	253.17	33.87	8.475		
3,500.00	3,282.20	3,292.32	3,217.73	21.49	15.96	56.12	-1,214.60	388.44	282.41	247.08	35.33	7.994		
3,600.00	3,373.48	3,393.67	3,317.26	22.19	16.46	61.78	-1,233.65	386.85	277.84	241.00	36.84	7.542		
3,676.61	3,443.42	3,464.05	3,386.37	22.73	16.80	65.95	-1,246.80	384.88	276.69	238.72	37.97	7.287 CC		
3,700.00	3,464.77	3,486.79	3,408.69	22.89	16.91	67.29	-1,251.11	384.21	276.76	238.44	38.32	7.222 ES		
3,800.00	3,556.05	3,582.63	3,502.70	23.60	17.39	72.79	-1,269.61	382.03	278.62	238.83	39.79	7.002		
3,900.00	3,647.34	3,675.02	3,593.18	24.30	17.85	77.89	-1,288.18	379.76	283.85	242.68	41.17	6.894		
4,000.00	3,738.62	3,770.79	3,686.84	25.00	18.32	83.05	-1,307.83	376.02	292.99	250.45	42.54	6.888 SF		
4,100.00	3,829.91	3,865.68	3,779.88	25.71	18.80	87.98	-1,326.13	372.81	303.50	259.68	43.82	6.926		
4,200.00	3,921.19	3,953.02	3,865.02	26.42	19.24	91.95	-1,345.13	368.65	318.44	273.54	44.90	7.092		
4,300.00	4,012.48	4,047.17	3,956.27	27.12	19.73	95.61	-1,367.60	362.96	336.98	290.92	46.05	7.317		
4,400.00	4,103.76	4,147.84	4,053.50	27.83	20.27	98.75	-1,393.38	358.79	355.56	308.24	47.32	7.514		
4,500.00	4,195.05	4,248.51	4,150.72	28.54	20.80	101.54	-1,419.21	355.13	374.57	326.02	48.55	7.715		
4,600.00	4,286.33	4,351.31	4,250.88	29.24	21.33	104.57	-1,442.23	352.56	392.58	342.81	49.77	7.888		
4,700.00	4,377.62	4,446.52	4,344.13	29.95	21.81	107.43	-1,461.30	350.41	410.89	360.08	50.81	8.086		
4,800.00	4,468.90	4,541.89	4,437.58	30.66	22.28	110.11	-1,480.15	347.67	430.74	378.90	51.83	8.310		
4,900.00	4,560.19	4,637.68	4,531.65	31.37	22.76	112.70	-1,498.04	344.94	451.36	398.53	52.83	8.543		

CC - Min centre 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-14C-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-14C-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: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,651.47	4,730.75	4,622.85	32.08	23.22	114.88	-1,516.37	342.07	473.08	419.29	53.79	8.796		
5,100.00	4,742.76	4,830.68	4,720.54	32.79	23.73	116.90	-1,537.10	338.70	495.71	440.86	54.86	9.036		
5,200.00	4,834.04	4,929.29	4,817.15	33.50	24.22	118.81	-1,556.74	336.52	517.76	461.87	55.89	9.264		
5,300.00	4,925.33	5,021.47	4,907.22	34.21	24.69	120.34	-1,576.19	334.21	540.51	483.67	56.84	9.510		
5,400.00	5,016.61	5,112.36	4,995.68	34.92	25.16	121.56	-1,596.83	330.91	564.53	506.75	57.78	9.770		
5,500.00	5,107.90	5,210.74	5,091.59	35.63	25.66	122.85	-1,618.38	326.91	589.34	530.50	58.84	10.016		
5,600.00	5,199.18	5,314.95	5,193.93	36.34	26.18	124.46	-1,637.74	324.28	613.38	553.45	59.93	10.235		
5,700.00	5,290.46	5,400.82	5,278.99	37.05	26.57	126.10	-1,649.42	323.02	637.66	577.00	60.67	10.511		
5,800.00	5,381.75	5,487.38	5,365.03	37.76	26.96	127.85	-1,658.54	320.63	664.28	602.93	61.35	10.827		
5,900.00	5,473.03	5,583.19	5,460.54	38.47	27.37	129.89	-1,665.72	318.24	692.02	629.89	62.13	11.138		
6,000.00	5,564.32	5,673.29	5,550.48	39.18	27.74	131.82	-1,670.81	316.81	720.19	657.39	62.79	11.469		
6,100.00	5,655.60	5,761.68	5,638.77	39.90	28.10	133.64	-1,674.69	314.96	749.93	686.52	63.41	11.827		
6,200.00	5,746.89	5,860.08	5,737.12	40.61	28.49	135.66	-1,677.40	313.49	780.44	716.28	64.16	12.164		
6,300.00	5,838.17	5,963.85	5,840.86	41.32	28.90	137.73	-1,679.32	313.83	810.43	745.47	64.97	12.475		
6,400.00	5,929.46	6,058.76	5,935.73	42.03	29.27	139.45	-1,682.07	314.78	840.24	774.57	65.66	12.796		
6,500.00	6,020.74	6,149.13	6,026.07	42.74	29.62	141.01	-1,684.15	315.80	870.81	804.51	66.30	13.135		
6,600.00	6,112.03	6,241.27	6,118.18	43.46	29.99	142.48	-1,686.40	316.60	902.14	835.17	66.97	13.471		
6,700.00	6,203.31	6,328.74	6,205.63	44.17	30.33	143.80	-1,688.36	317.36	934.10	866.52	67.58	13.821		
6,800.00	6,294.60	6,416.29	6,293.16	44.88	30.68	145.05	-1,689.92	317.60	967.23	899.03	68.21	14.181		
6,900.00	6,385.88	6,507.57	6,384.84	45.59	31.00	146.26	-1,691.12	317.71	1,000.00	932.00	68.79	14.550		
6,927.91	6,411.36	6,533.05	6,410.30	46.30	31.32	147.43	-1,692.07	317.79	1,032.44	964.84	69.30	14.922		
6,950.00	6,431.59	6,558.38	6,430.09	46.99	31.63	148.57	-1,692.79	317.84	1,064.44	997.24	69.77	15.297		
7,000.00	6,477.77	6,599.72	6,476.41	47.67	31.93	149.67	-1,693.21	317.87	1,096.00	1,029.00	70.19	15.674		
7,050.00	6,524.26	6,646.29	6,522.90	48.34	32.22	150.73	-1,693.44	317.88	1,127.11	1,060.00	70.57	16.052		
7,100.00	6,570.76	6,692.79	6,569.40	48.99	32.50	151.76	-1,693.49	317.88	1,157.77	1,090.00	70.91	16.431		
7,150.00	6,617.00	6,739.03	6,615.64	49.63	32.77	152.76	-1,693.36	317.87	1,187.99	1,119.00	71.21	16.811		
7,200.00	6,662.68	6,785.11	6,661.32	50.26	33.03	153.73	-1,693.07	317.85	1,217.77	1,147.00	71.48	17.191		
7,250.00	6,707.53	6,830.94	6,706.17	50.88	33.28	154.67	-1,692.63	317.82	1,247.11	1,174.00	71.72	17.571		
7,300.00	6,751.28	6,876.63	6,750.00	51.49	33.52	155.58	-1,692.05	317.78	1,276.00	1,200.00	71.94	17.951		
7,350.00	6,793.64	6,922.17	6,792.32	52.09	33.75	156.46	-1,691.34	317.73	1,304.44	1,225.00	72.13	18.331		
7,400.00	6,834.35	6,967.56	6,833.00	52.68	33.97	157.31	-1,690.50	317.67	1,332.44	1,249.00	72.29	18.711		
7,450.00	6,873.18	7,012.80	6,871.83	53.26	34.18	158.13	-1,689.53	317.60	1,360.00	1,272.00	72.43	19.091		
7,500.00	6,909.88	7,057.99	6,908.53	53.83	34.38	158.92	-1,688.44	317.52	1,387.11	1,294.00	72.55	19.471		
7,550.00	6,944.21	7,093.14	6,942.86	54.39	34.57	159.68	-1,687.23	317.43	1,413.77	1,315.00	72.65	19.851		
7,595.50	6,973.23	7,128.25	6,971.88	54.94	34.75	160.41	-1,685.90	317.33	1,439.99	1,335.00	72.73	20.231		
7,600.00	6,975.98	7,131.69	6,974.63	55.00	34.79	160.46	-1,685.79	317.32	1,441.00	1,336.00	72.74	20.241		
7,650.00	7,004.98	7,160.69	7,003.63	55.56	34.97	161.16	-1,684.44	317.22	1,466.66	1,361.66	72.80	20.621		
7,700.00	7,031.04	7,186.75	7,029.70	56.11	35.14	161.83	-1,682.96	317.11	1,491.77	1,386.77	72.84	21.001		
7,750.00	7,053.99	7,209.70	7,052.64	56.65	35.30	162.47	-1,681.36	317.00	1,516.33	1,411.33	72.86	21.381		
7,800.00	7,073.70	7,230.41	7,072.35	57.18	35.45	163.08	-1,679.63	316.88	1,540.33	1,435.33	72.86	21.761		
7,850.00	7,090.03	7,249.74	7,088.68	57.70	35.59	163.66	-1,677.78	316.75	1,563.77	1,458.77	72.84	22.141		
7,900.00	7,102.90	7,267.61	7,101.55	58.19	35.72	164.21	-1,675.80	316.61	1,586.66	1,481.66	72.79	22.521		
7,950.00	7,112.22	7,284.93	7,110.87	58.65	35.84	164.73	-1,673.69	316.46	1,609.00	1,504.00	72.72	22.901		
8,000.00	7,117.94	7,299.66	7,116.59	59.09	35.95	165.22	-1,671.46	316.30	1,630.89	1,525.89	72.63	23.281		
8,047.82	7,120.00	7,303.71	7,118.71	59.50	36.05	165.68	-1,669.12	316.13	1,652.22	1,547.22	72.52	23.661		
8,100.00	7,120.42	7,307.15	7,119.13	59.89	36.14	166.11	-1,666.76	315.95	1,673.11	1,567.11	72.39	24.041		
8,200.00	7,121.24	7,312.97	7,120.73	60.26	36.22	166.51	-1,664.28	315.76	1,693.55	1,587.55	72.24	24.421		
8,300.00	7,122.05	7,318.10	7,121.05	60.61	36.29	166.88	-1,661.68	315.56	1,713.55	1,607.55	72.07	24.801		
8,400.00	7,122.86	7,322.54	7,121.68	60.94	36.35	167.22	-1,658.96	315.35	1,733.11	1,627.11	71.88	25.181		
8,500.00	7,123.68	7,326.29	7,122.61	61.26	36.40	167.53	-1,656.12	315.13	1,752.22	1,645.77	71.67	25.561		

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-14C-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-14C-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: 436-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,124.49	7,013.17	6,858.47	55.01	32.68	72.26	-1,693.65	471.88	942.39	862.99	79.40	11.868		
8,700.00	7,125.30	6,972.11	6,823.38	56.54	32.57	69.98	-1,692.43	450.59	993.58	913.47	80.11	12.403		
8,800.00	7,126.12	6,939.00	6,794.85	58.21	32.47	68.19	-1,691.40	433.82	1,049.90	968.94	80.95	12.969		
8,900.00	7,126.93	6,907.24	6,767.06	60.01	32.37	66.48	-1,690.52	418.47	1,110.94	1,029.24	81.70	13.598		
9,000.00	7,127.75	6,883.24	6,745.66	61.92	32.30	65.19	-1,690.04	407.63	1,176.34	1,093.81	82.53	14.254		
9,100.00	7,128.56	6,846.00	6,711.81	63.92	32.19	63.20	-1,689.58	392.12	1,245.76	1,162.90	82.86	15.034		
9,200.00	7,129.37	6,846.00	6,711.81	66.01	32.19	63.20	-1,689.58	392.12	1,318.11	1,234.10	84.01	15.690		
9,300.00	7,130.19	6,820.70	6,688.46	68.16	32.11	61.87	-1,689.49	382.38	1,393.48	1,309.07	84.41	16.509		
9,400.00	7,131.00	6,801.01	6,670.15	70.38	32.04	60.84	-1,689.54	375.16	1,471.27	1,386.44	84.84	17.342		
9,500.00	7,131.81	6,782.97	6,653.25	72.65	31.99	59.90	-1,689.67	368.82	1,551.19	1,465.98	85.21	18.204		
9,600.00	7,132.63	6,752.00	6,624.04	74.97	31.89	58.32	-1,690.11	358.56	1,633.09	1,547.80	85.29	19.147		
9,700.00	7,133.44	6,752.00	6,624.04	77.33	31.89	58.32	-1,690.11	358.56	1,716.37	1,630.53	85.84	19.995		
9,800.00	7,134.25	6,752.00	6,624.04	79.72	31.89	58.32	-1,690.11	358.56	1,801.35	1,715.06	86.29	20.875		
9,900.00	7,135.07	6,752.00	6,624.04	82.16	31.89	58.32	-1,690.11	358.56	1,887.80	1,801.14	86.66	21.784		
10,000.00	7,135.88	6,717.30	6,590.98	84.62	31.77	56.59	-1,690.65	348.01	1,974.70	1,888.14	86.55	22.815		
10,100.00	7,136.70	6,707.36	6,581.46	87.11	31.74	56.11	-1,690.77	345.17	2,063.01	1,976.29	86.73	23.787		
10,200.00	7,137.51	6,698.00	6,572.47	89.62	31.71	55.66	-1,690.87	342.59	2,152.23	2,065.35	86.88	24.773		
10,300.00	7,138.32	6,689.19	6,563.98	92.16	31.68	55.23	-1,690.95	340.22	2,242.25	2,155.24	87.01	25.770		
10,400.00	7,139.14	6,657.00	6,532.82	94.71	31.57	53.72	-1,691.14	332.13	2,333.36	2,246.46	86.90	26.851		
10,500.00	7,139.95	6,657.00	6,532.82	97.29	31.57	53.72	-1,691.14	332.13	2,424.54	2,337.46	87.08	27.842		
10,600.00	7,140.76	6,657.00	6,532.82	99.88	31.57	53.72	-1,691.14	332.13	2,516.38	2,429.15	87.24	28.846		
10,700.00	7,141.58	6,657.00	6,532.82	102.48	31.57	53.72	-1,691.14	332.13	2,608.83	2,521.46	87.37	29.861		
10,800.00	7,142.39	6,657.00	6,532.82	105.10	31.57	53.72	-1,691.14	332.13	2,701.81	2,614.33	87.48	30.885		
10,900.00	7,143.20	6,657.00	6,532.82	107.74	31.57	53.72	-1,691.14	332.13	2,795.28	2,707.70	87.57	31.919		
11,000.00	7,144.02	6,657.00	6,532.82	110.38	31.57	53.72	-1,691.14	332.13	2,889.18	2,801.53	87.66	32.961		
11,100.00	7,144.83	6,657.00	6,532.82	113.04	31.57	53.72	-1,691.14	332.13	2,983.48	2,895.76	87.73	34.009		
11,200.00	7,145.65	6,657.00	6,532.82	115.71	31.57	53.72	-1,691.14	332.13	3,078.15	2,990.36	87.79	35.064		
11,300.00	7,146.46	6,657.00	6,532.82	118.38	31.57	53.72	-1,691.14	332.13	3,173.13	3,085.29	87.84	36.125		
11,400.00	7,147.27	6,657.00	6,532.82	121.07	31.57	53.72	-1,691.14	332.13	3,268.42	3,180.54	87.88	37.190		
11,500.00	7,148.09	6,657.00	6,532.82	123.76	31.57	53.72	-1,691.14	332.13	3,363.98	3,276.06	87.92	38.260		
11,600.00	7,148.90	6,657.00	6,532.82	126.46	31.57	53.72	-1,691.14	332.13	3,459.79	3,371.84	87.96	39.335		
11,700.00	7,149.71	6,657.00	6,532.82	129.17	31.57	53.72	-1,691.14	332.13	3,555.84	3,467.85	87.99	40.412		
11,800.00	7,150.53	6,657.00	6,532.82	131.89	31.57	53.72	-1,691.14	332.13	3,652.09	3,564.07	88.02	41.493		
11,900.00	7,151.34	6,657.00	6,532.82	134.61	31.57	53.72	-1,691.14	332.13	3,748.54	3,660.50	88.04	42.577		
12,000.00	7,152.16	6,657.00	6,532.82	137.34	31.57	53.72	-1,691.14	332.13	3,845.17	3,757.11	88.06	43.664		
12,100.00	7,152.97	6,657.00	6,532.82	140.07	31.57	53.72	-1,691.14	332.13	3,941.97	3,853.89	88.08	44.753		
12,200.00	7,153.78	6,657.00	6,532.82	142.81	31.57	53.72	-1,691.14	332.13	4,038.93	3,950.83	88.10	45.844		
12,300.00	7,154.60	6,657.00	6,532.82	145.55	31.57	53.72	-1,691.14	332.13	4,136.03	4,047.91	88.12	46.936		
12,400.00	7,155.41	6,657.00	6,532.82	148.30	31.57	53.72	-1,691.14	332.13	4,233.27	4,145.13	88.14	48.031		
12,500.00	7,156.22	6,657.00	6,532.82	151.05	31.57	53.72	-1,691.14	332.13	4,330.63	4,242.48	88.15	49.127		
12,600.00	7,157.04	6,657.00	6,532.82	153.80	31.57	53.72	-1,691.14	332.13	4,428.11	4,339.94	88.17	50.223		
12,700.00	7,157.85	6,657.00	6,532.82	156.56	31.57	53.72	-1,691.14	332.13	4,525.70	4,437.52	88.18	51.321		
12,800.00	7,158.66	6,614.34	6,490.96	159.33	31.42	51.78	-1,691.23	324.00	4,621.19	4,533.10	88.09	52.462		
12,900.00	7,159.48	6,613.14	6,489.78	162.09	31.41	51.73	-1,691.23	323.83	4,718.86	4,630.76	88.10	53.561		
13,000.00	7,160.29	6,612.00	6,488.64	164.86	31.41	51.68	-1,691.23	323.67	4,816.62	4,728.50	88.12	54.661		
13,100.00	7,161.11	6,610.89	6,487.55	167.64	31.41	51.63	-1,691.23	323.51	4,914.47	4,826.33	88.13	55.761		
13,209.97	7,162.00	6,609.73	6,486.39	170.69	31.40	51.58	-1,691.23	323.36	5,022.16	4,934.01	88.15	56.971		
13,210.89	7,162.01	6,609.72	6,486.38	170.72	31.40	51.58	-1,691.23	323.35	5,023.06	4,934.91	88.15	56.981		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	138.25	-567.95	506.99	761.40					
100.00	100.00	89.94	89.94	3.28	3.29	138.22	-567.71	507.17	761.26	754.69	6.57	115.858		
200.00	200.00	190.98	190.97	3.34	3.31	138.14	-566.87	507.82	761.07	754.43	6.64	114.555		
300.00	299.98	288.76	288.74	3.44	3.36	-13.70	-565.57	508.93	759.14	752.34	6.80	111.664		
400.00	399.84	382.11	382.07	3.59	3.47	-13.96	-564.61	510.63	754.52	747.46	7.06	106.851		
500.00	499.45	476.86	476.79	3.79	3.62	-14.30	-564.20	512.90	747.35	739.94	7.42	100.761		
600.00	598.70	572.77	572.68	4.04	3.82	-14.61	-565.15	514.37	737.31	729.46	7.85	93.899		
700.00	697.47	665.72	665.59	4.32	4.03	-14.85	-567.74	514.84	724.54	716.19	8.35	86.802		
800.00	795.62	754.33	754.05	4.64	4.26	-14.97	-572.64	514.14	709.54	700.65	8.89	79.808		
900.00	893.06	841.85	841.18	5.01	4.51	-14.90	-580.69	512.17	692.87	683.39	9.48	73.062		
1,000.00	989.64	929.93	928.44	5.41	4.79	-14.59	-592.04	508.31	674.18	664.06	10.13	66.581		
1,100.00	1,085.27	1,014.16	1,011.29	5.85	5.07	-14.06	-606.34	503.36	654.22	643.41	10.80	60.557		
1,200.00	1,179.82	1,108.61	1,103.82	6.33	5.40	-13.32	-624.22	497.14	632.07	620.52	11.55	54.738		
1,300.00	1,273.17	1,198.79	1,192.14	6.84	5.74	-12.65	-641.66	491.84	607.49	595.17	12.32	49.316		
1,404.90	1,369.69	1,292.49	1,283.73	7.43	6.12	-11.93	-660.74	486.80	579.43	566.27	13.16	44.036		
1,500.00	1,456.50	1,379.87	1,368.88	8.00	6.48	-11.01	-679.74	481.82	553.30	539.36	13.95	39.664		
1,600.00	1,547.79	1,476.85	1,463.21	8.61	6.90	-9.79	-701.41	475.84	526.20	511.38	14.81	35.519		
1,700.00	1,639.07	1,572.65	1,556.25	9.23	7.33	-8.35	-723.24	469.08	499.20	483.51	15.69	31.808		
1,800.00	1,730.36	1,663.58	1,644.57	9.87	7.74	-6.89	-744.06	463.32	473.00	456.43	16.58	28.537		
1,900.00	1,821.64	1,757.83	1,736.27	10.52	8.18	-5.40	-765.37	458.85	447.74	430.26	17.48	25.620		
2,000.00	1,912.93	1,852.57	1,828.52	11.18	8.62	-3.85	-786.67	455.21	423.14	404.75	18.39	23.013		
2,100.00	2,004.21	1,952.14	1,925.68	11.84	9.09	-2.20	-808.25	452.39	398.68	379.37	19.31	20.641		
2,200.00	2,095.50	2,054.55	2,025.63	12.51	9.57	-0.01	-829.94	447.32	373.18	352.93	20.25	18.428		
2,300.00	2,186.78	2,152.19	2,120.98	13.19	10.04	2.49	-850.14	441.57	347.38	326.20	21.18	16.398		
2,400.00	2,278.06	2,252.40	2,219.21	13.86	10.51	5.24	-869.24	436.31	321.06	298.94	22.12	14.513		
2,500.00	2,369.35	2,348.97	2,314.12	14.55	10.96	8.22	-886.44	431.55	294.46	271.39	23.07	12.764		
2,600.00	2,460.63	2,445.32	2,408.82	15.23	11.42	11.72	-903.59	426.98	268.78	244.74	24.04	11.181		
2,700.00	2,551.92	2,541.48	2,503.60	15.92	11.87	15.75	-919.24	422.85	242.89	217.85	25.04	9.699		
2,800.00	2,643.20	2,634.57	2,595.15	16.61	12.31	20.49	-935.70	419.06	219.76	193.65	26.11	8.416		
2,900.00	2,734.49	2,730.30	2,689.44	17.30	12.76	26.29	-951.84	415.54	197.77	170.50	27.27	7.253		
3,000.00	2,825.77	2,822.89	2,780.32	18.00	13.20	33.44	-968.97	410.94	179.95	151.38	28.57	6.299		
3,100.00	2,917.06	2,919.40	2,875.07	18.69	13.67	42.25	-986.61	406.15	165.63	135.59	30.04	5.514		
3,200.00	3,008.34	3,016.85	2,970.86	19.39	14.13	52.45	-1,003.93	401.46	155.52	123.84	31.68	4.909		
3,300.00	3,099.63	3,112.73	3,065.48	20.09	14.59	63.64	-1,018.91	397.49	149.00	115.58	33.42	4.459		
3,330.70	3,127.65	3,140.57	3,092.90	20.30	14.72	66.95	-1,023.57	396.31	148.56	114.64	33.92	4.380 CC, ES		
3,400.00	3,190.91	3,205.32	3,156.50	20.79	15.03	74.37	-1,035.39	393.56	150.48	115.46	35.02	4.297 SF		
3,500.00	3,282.20	3,302.90	3,252.16	21.49	15.51	84.38	-1,054.39	390.53	157.78	121.29	36.49	4.324		
3,600.00	3,373.48	3,399.64	3,347.42	22.19	15.97	93.82	-1,071.12	388.08	168.25	130.49	37.75	4.456		
3,700.00	3,464.77	3,494.02	3,440.32	22.89	16.43	101.84	-1,087.54	385.27	183.30	144.52	38.79	4.726		
3,800.00	3,556.05	3,588.90	3,533.57	23.60	16.89	108.47	-1,104.70	382.13	201.99	162.28	39.72	5.086		
3,900.00	3,647.34	3,683.12	3,626.11	24.30	17.35	113.86	-1,122.08	378.70	223.33	182.75	40.58	5.504		
4,000.00	3,738.62	3,777.65	3,719.03	25.00	17.81	118.46	-1,138.97	374.55	247.07	205.65	41.42	5.965		
4,100.00	3,829.91	3,872.45	3,812.02	25.71	18.27	122.05	-1,156.94	370.28	272.11	229.82	42.29	6.434		
4,200.00	3,921.19	3,968.58	3,905.61	26.42	18.76	124.44	-1,178.26	365.27	298.20	254.93	43.27	6.892		
4,300.00	4,012.48	4,062.63	3,996.81	27.12	19.25	126.11	-1,200.69	360.32	324.47	280.23	44.23	7.335		
4,400.00	4,103.76	4,155.98	4,087.50	27.83	19.73	127.65	-1,222.06	354.45	352.08	306.90	45.18	7.792		
4,500.00	4,195.05	4,248.86	4,177.98	28.54	20.20	129.14	-1,242.17	348.58	380.25	334.14	46.11	8.246		
4,600.00	4,286.33	4,342.08	4,269.47	29.24	20.66	130.92	-1,258.97	342.56	409.64	362.63	47.00	8.715		
4,700.00	4,377.62	4,439.13	4,365.06	29.95	21.13	132.78	-1,274.78	337.03	439.14	391.19	47.96	9.157		
4,800.00	4,468.90	4,539.86	4,464.30	30.66	21.61	134.47	-1,291.32	332.09	468.27	419.29	48.98	9.560		
4,900.00	4,560.19	4,638.11	4,560.94	31.37	22.09	135.83	-1,308.62	328.23	496.43	446.45	49.98	9.933		

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-14C-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-14C-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		
5,000.00	4,651.47	4,725.05	4,646.53	32.08	22.51	136.95	-1,323.44	324.60	525.23	474.46	50.77	10.346		
5,100.00	4,742.76	4,813.20	4,733.46	32.79	22.94	138.06	-1,337.11	319.54	556.13	504.56	51.57	10.784		
5,200.00	4,834.04	4,903.29	4,822.58	33.50	23.36	139.26	-1,349.37	314.70	587.65	535.26	52.39	11.217		
5,300.00	4,925.33	4,992.85	4,911.35	34.21	23.77	140.46	-1,359.98	309.38	620.54	567.36	53.18	11.668		
5,400.00	5,016.61	5,089.53	5,007.38	34.92	24.21	141.77	-1,370.12	304.60	653.42	599.32	54.10	12.079		
5,500.00	5,107.90	5,178.93	5,096.26	35.63	24.61	142.94	-1,378.79	300.53	686.56	631.69	54.87	12.513		
5,600.00	5,199.18	5,262.95	5,179.96	36.34	24.98	144.09	-1,384.99	296.63	721.05	665.53	55.52	12.987		
5,700.00	5,290.46	5,349.38	5,266.26	37.05	25.33	145.42	-1,388.26	293.40	756.75	700.57	56.18	13.471		
5,800.00	5,381.75	5,435.93	5,352.76	37.76	25.67	146.83	-1,389.16	290.82	793.52	736.72	56.80	13.971		
5,900.00	5,473.03	5,533.00	5,449.80	38.47	26.05	148.32	-1,389.56	288.43	830.63	773.02	57.61	14.419		
6,000.00	5,564.32	5,620.81	5,537.60	39.18	26.38	149.60	-1,389.50	286.69	868.03	809.77	58.26	14.900		
6,100.00	5,655.60	5,707.98	5,624.75	39.90	26.71	150.78	-1,389.18	284.79	906.12	847.21	58.91	15.382		
6,200.00	5,746.89	5,799.91	5,716.66	40.61	27.05	151.97	-1,388.30	283.03	944.66	885.02	59.64	15.840		
6,300.00	5,838.17	5,913.17	5,829.90	41.32	27.46	153.41	-1,386.62	282.96	982.49	921.80	60.69	16.188		
6,400.00	5,929.46	6,002.04	5,918.76	42.03	27.78	154.47	-1,385.70	283.66	1,019.77	958.41	61.37	16.617		
6,500.00	6,020.74	6,088.76	6,005.48	42.74	28.09	155.41	-1,384.90	284.07	1,057.52	995.50	62.02	17.050		
6,600.00	6,112.03	6,169.38	6,086.09	43.46	28.39	156.22	-1,383.99	283.90	1,096.13	1,033.53	62.60	17.510		
6,700.00	6,203.31	6,262.66	6,179.35	44.17	28.73	157.10	-1,382.68	283.36	1,135.38	1,071.99	63.39	17.912		
6,800.00	6,294.60	6,348.82	6,264.30	44.88	29.07	158.09	-1,371.66	1,172.11	1,108.79	1,044.39	64.40	17.217		
6,900.00	6,385.88	6,438.24	6,354.90	45.59	29.41	159.33	-1,372.47	1,193.50	1,073.61	1,005.42	65.19	17.744		
6,927.91	6,411.36	6,463.96	6,379.04	45.79	29.61	159.62	-1,372.66	1,199.22	1,065.17	995.96	65.21	17.778		
6,950.00	6,431.59	6,483.08	6,398.14	45.95	29.78	160.00	-1,372.78	1,203.34	1,058.93	988.93	65.21	17.812		
7,000.00	6,477.77	6,529.25	6,443.28	46.27	29.99	160.72	-1,372.98	1,210.00	1,046.25	974.56	65.21	17.846		
7,050.00	6,524.26	6,574.85	6,489.35	46.56	30.14	161.85	-1,373.07	1,213.10	1,035.74	962.51	65.21	17.880		
7,100.00	6,570.76	6,620.35	6,534.85	46.81	30.33	162.54	-1,373.06	1,212.77	1,027.58	953.00	65.21	17.914		
7,150.00	6,617.00	6,666.59	6,581.09	47.02	30.48	163.35	-1,372.96	1,209.19	1,021.87	946.15	65.21	17.948		
7,200.00	6,662.68	6,712.27	6,626.77	47.20	30.61	164.15	-1,372.76	1,202.52	1,018.65	941.99	65.21	17.982		
7,240.83	6,699.38	6,748.97	6,663.47	47.32	30.74	164.51	-1,372.51	1,194.91	1,017.84	940.59	65.21	18.016		
7,250.00	6,707.53	6,758.08	6,671.58	47.34	30.81	164.51	-1,372.45	1,192.95	1,017.88	940.52	65.21	18.030		
7,300.00	6,751.28	6,801.83	6,715.33	47.47	30.81	164.51	-1,372.00	1,180.65	1,019.48	941.62	65.21	18.064		
7,350.00	6,793.64	6,844.19	6,757.69	47.57	30.77	164.10	-1,371.39	1,165.81	1,023.30	945.15	65.21	18.098		
7,400.00	6,834.35	6,884.90	6,798.40	47.66	30.79	164.71	-1,370.58	1,148.60	1,029.14	950.88	65.21	18.132		
7,450.00	6,873.18	6,923.73	6,837.23	47.75	30.99	165.91	-1,369.60	1,130.27	1,036.77	958.53	65.21	18.166		
7,500.00	6,909.88	6,961.23	6,873.35	47.83	30.54	165.06	-1,367.90	1,099.66	1,045.85	967.96	65.21	18.200		
7,550.00	6,944.21	6,995.56	6,907.77	47.91	30.61	165.52	-1,366.12	1,063.41	1,055.83	978.45	65.21	18.234		
7,600.00	6,975.98	7,026.33	6,939.53	47.99	30.38	166.17	-1,364.28	1,017.87	1,066.19	989.52	65.21	18.268		
7,650.00	7,004.98	7,055.33	6,968.53	48.09	30.61	166.83	-1,362.68	957.22	1,076.08	1,000.39	65.21	18.302		
7,700.00	7,031.04	7,081.39	6,994.65	48.20	30.83	167.73	-1,362.19	889.29	1,084.94	1,010.34	65.21	18.336		
7,750.00	7,053.99	7,104.34	7,017.60	48.32	30.10	168.86	-1,363.42	818.52	1,092.35	1,018.89	65.21	18.370		
7,800.00	7,073.70	7,124.05	7,037.31	48.46	32.48	170.24	-1,366.81	748.89	1,097.99	1,025.70	65.21	18.404		
7,850.00	7,090.03	7,140.38	7,053.64	48.62	32.22	171.95	-1,369.38	710.66	1,102.44	1,030.54	65.21	18.438		
7,900.00	7,102.90	7,153.25	7,066.51	48.81	31.99	173.85	-1,372.03	673.16	1,106.07	1,034.50	65.21	18.472		
7,950.00	7,112.22	7,162.57	7,076.89	49.02	31.84	175.42	-1,374.21	643.05	1,108.84	1,037.31	65.21	18.506		
8,000.00	7,117.94	7,168.29	7,082.61	49.26	31.73	176.81	-1,376.00	616.93	1,110.94	1,039.27	65.21	18.540		
8,047.82	7,120.00	7,169.39	7,084.39	49.51	31.64	177.26	-1,377.52	593.24	1,112.29	1,040.39	65.21	18.574		
8,100.00	7,120.42	7,169.81	7,084.39	49.82	31.59	178.80	-1,378.36	579.51	1,114.15	1,041.58	65.21	18.608		
8,200.00	7,121.24	7,170.63	7,085.21	50.53	31.49	180.62	-1,379.47	548.44	1,122.43	1,048.62	65.21	18.642		
8,300.00	7,122.05	7,171.44	7,086.02	51.39	31.41	182.70	-1,379.28	526.94	1,137.50	1,062.10	65.21	18.676		
8,400.00	7,122.86	7,172.25	7,086.83	52.42	36.53	184.95	-1,378.09	492.43	1,159.14	1,077.33	65.21	18.710		
8,500.00	7,123.68	7,173.06	7,087.64	53.63	31.08	187.22	-1,377.54	442.90	1,185.08	1,108.41	65.21	18.744		

CC - Min centre 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-14C-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-14C-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 36N-7B-M - OH - OH													Offset Site Error: 0.00 ft	
Survey Program: 249-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,124.49	6,903.99	6,791.54	55.01	30.97	73.85	-1,378.53	421.61	1,215.29	1,137.26	78.03	15.575		
8,700.00	7,125.30	6,879.66	6,771.63	56.54	30.90	72.89	-1,378.85	407.63	1,251.65	1,172.05	79.59	15.725		
8,800.00	7,126.12	6,845.00	6,742.49	58.21	30.80	71.50	-1,378.79	388.89	1,293.88	1,213.13	80.75	16.023		
8,900.00	7,126.93	6,845.00	6,742.49	60.01	30.80	71.50	-1,378.79	388.89	1,341.18	1,258.51	82.67	16.224		
9,000.00	7,127.75	6,815.74	6,717.16	61.92	30.71	70.33	-1,378.45	374.25	1,393.31	1,309.63	83.68	16.651		
9,100.00	7,128.56	6,797.36	6,700.91	63.92	30.65	69.58	-1,378.21	365.66	1,449.90	1,365.10	84.80	17.099		
9,200.00	7,129.37	6,780.91	6,686.16	66.01	30.59	68.91	-1,377.98	358.38	1,510.47	1,424.66	85.81	17.603		
9,300.00	7,130.19	6,751.00	6,658.87	68.16	30.50	67.69	-1,377.52	346.15	1,574.86	1,488.44	86.41	18.225		
9,400.00	7,131.00	6,751.00	6,658.87	70.38	30.50	67.69	-1,377.52	346.15	1,642.07	1,554.60	87.48	18.772		
9,500.00	7,131.81	6,751.00	6,658.87	72.65	30.50	67.69	-1,377.52	346.15	1,712.49	1,624.11	88.38	19.377		
9,600.00	7,132.63	6,717.78	6,628.01	74.97	30.38	66.33	-1,377.22	333.87	1,785.08	1,696.45	88.63	20.141		
9,700.00	7,133.44	6,702.39	6,613.56	77.33	30.33	65.70	-1,377.25	328.58	1,860.05	1,770.96	89.09	20.878		
9,800.00	7,134.25	6,688.43	6,600.37	79.72	30.28	65.13	-1,377.36	324.00	1,937.04	1,847.53	89.50	21.643		
9,900.00	7,135.07	6,656.00	6,569.46	82.16	30.17	63.80	-1,377.96	314.20	2,016.07	1,926.49	89.59	22.504		
10,000.00	7,135.88	6,656.00	6,569.46	84.62	30.17	63.80	-1,377.96	314.20	2,096.31	2,006.24	90.07	23.274		
10,100.00	7,136.70	6,656.00	6,569.46	87.11	30.17	63.80	-1,377.96	314.20	2,178.19	2,087.71	90.48	24.074		
10,200.00	7,137.51	6,656.00	6,569.46	89.62	30.17	63.80	-1,377.96	314.20	2,261.52	2,170.70	90.83	24.899		
10,300.00	7,138.32	6,656.00	6,569.46	92.16	30.17	63.80	-1,377.96	314.20	2,346.16	2,255.04	91.12	25.747		
10,400.00	7,139.14	6,656.00	6,569.46	94.71	30.17	63.80	-1,377.96	314.20	2,431.96	2,340.59	91.37	26.616		
10,500.00	7,139.95	6,624.10	6,538.74	97.29	30.05	62.51	-1,378.70	305.66	2,518.07	2,426.78	91.29	27.583		
10,600.00	7,140.76	6,617.70	6,532.54	99.88	30.03	62.25	-1,378.83	304.08	2,605.54	2,514.11	91.43	28.497		
10,700.00	7,141.58	6,611.65	6,526.67	102.48	30.01	62.01	-1,378.94	302.62	2,693.83	2,602.28	91.55	29.423		
10,800.00	7,142.39	6,605.93	6,521.11	105.10	29.99	61.78	-1,379.05	301.28	2,782.86	2,691.20	91.66	30.361		
10,900.00	7,143.20	6,600.51	6,515.83	107.74	29.97	61.57	-1,379.14	300.05	2,872.57	2,780.82	91.75	31.309		
11,000.00	7,144.02	6,562.00	6,478.14	110.38	29.83	60.05	-1,379.64	292.16	2,963.70	2,872.12	91.58	32.362		
11,100.00	7,144.83	6,562.00	6,478.14	113.04	29.83	60.05	-1,379.64	292.16	3,054.38	2,962.69	91.69	33.311		
11,200.00	7,145.65	6,562.00	6,478.14	115.71	29.83	60.05	-1,379.64	292.16	3,145.62	3,053.83	91.79	34.270		
11,300.00	7,146.46	6,562.00	6,478.14	118.38	29.83	60.05	-1,379.64	292.16	3,237.39	3,145.51	91.88	35.237		
11,400.00	7,147.27	6,562.00	6,478.14	121.07	29.83	60.05	-1,379.64	292.16	3,329.62	3,237.67	91.95	36.212		
11,500.00	7,148.09	6,562.00	6,478.14	123.76	29.83	60.05	-1,379.64	292.16	3,422.30	3,330.28	92.01	37.194		
11,600.00	7,148.90	6,562.00	6,478.14	126.46	29.83	60.05	-1,379.64	292.16	3,515.37	3,423.30	92.07	38.183		
11,700.00	7,149.71	6,562.00	6,478.14	129.17	29.83	60.05	-1,379.64	292.16	3,608.82	3,516.70	92.11	39.178		
11,800.00	7,150.53	6,562.00	6,478.14	131.89	29.83	60.05	-1,379.64	292.16	3,702.61	3,610.45	92.16	40.178		
11,900.00	7,151.34	6,562.00	6,478.14	134.61	29.83	60.05	-1,379.64	292.16	3,796.71	3,704.52	92.19	41.183		
12,000.00	7,152.16	6,562.00	6,478.14	137.34	29.83	60.05	-1,379.64	292.16	3,891.11	3,798.89	92.22	42.193		
12,100.00	7,152.97	6,562.00	6,478.14	140.07	29.83	60.05	-1,379.64	292.16	3,985.78	3,893.53	92.25	43.207		
12,200.00	7,153.78	6,562.00	6,478.14	142.81	29.83	60.05	-1,379.64	292.16	4,080.71	3,988.43	92.27	44.224		
12,300.00	7,154.60	6,562.00	6,478.14	145.55	29.83	60.05	-1,379.64	292.16	4,175.87	4,083.58	92.29	45.246		
12,400.00	7,155.41	6,562.00	6,478.14	148.30	29.83	60.05	-1,379.64	292.16	4,271.25	4,178.94	92.31	46.270		
12,500.00	7,156.22	6,562.00	6,478.14	151.05	29.83	60.05	-1,379.64	292.16	4,366.85	4,274.52	92.33	47.297		
12,600.00	7,157.04	6,562.00	6,478.14	153.80	29.83	60.05	-1,379.64	292.16	4,462.63	4,370.29	92.34	48.327		
12,700.00	7,157.85	6,562.00	6,478.14	156.56	29.83	60.05	-1,379.64	292.16	4,558.59	4,466.24	92.36	49.359		
12,800.00	7,158.66	6,562.00	6,478.14	159.33	29.83	60.05	-1,379.64	292.16	4,654.73	4,562.36	92.37	50.393		
12,900.00	7,159.48	6,562.00	6,478.14	162.09	29.83	60.05	-1,379.64	292.16	4,751.02	4,658.64	92.38	51.429		
13,000.00	7,160.29	6,562.00	6,478.14	164.86	29.83	60.05	-1,379.64	292.16	4,847.47	4,755.08	92.39	52.467		
13,100.00	7,161.11	6,562.00	6,478.14	167.64	29.83	60.05	-1,379.64	292.16	4,944.05	4,851.65	92.40	53.506		
13,209.97	7,162.00	6,562.00	6,478.14	170.69	29.83	60.05	-1,379.64	292.16	5,050.42	4,958.01	92.41	54.651		
13,210.89	7,162.01	6,562.00	6,478.14	170.72	29.83	60.05	-1,379.64	292.16	5,051.31	4,958.90	92.41	54.660		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	0.00	130.11	-428.06	508.10	664.47					
100.00	100.00	87.14	87.14	3.28	0.19	130.08	-427.86	508.42	664.50	661.02	3.48	191.172		
200.00	200.00	176.64	176.63	3.34	0.47	129.98	-427.37	509.63	665.22	661.41	3.82	174.247		
300.00	299.98	256.08	255.99	3.44	0.83	-21.91	-427.51	513.05	667.02	662.70	4.32	154.322		
400.00	399.84	335.66	335.34	3.59	1.19	-22.31	-428.26	519.07	668.62	663.74	4.88	136.989		
500.00	499.45	410.49	409.69	3.79	1.53	-22.84	-429.88	527.24	670.45	664.96	5.50	122.008		
600.00	598.70	486.56	484.95	4.04	1.88	-23.49	-433.01	537.87	672.80	666.64	6.15	109.334		
700.00	697.47	567.92	565.08	4.32	2.26	-24.21	-438.56	550.83	675.29	668.45	6.84	98.738		
800.00	795.62	655.56	651.10	4.64	2.68	-24.95	-447.04	565.25	676.94	669.39	7.55	89.622		
900.00	893.06	748.09	741.70	5.01	3.13	-25.67	-458.50	580.15	676.90	668.61	8.30	81.597		
1,000.00	989.64	851.11	842.35	5.41	3.64	-26.30	-474.69	594.90	674.34	665.25	9.09	74.149		
1,100.00	1,085.27	975.00	963.34	5.85	4.24	-26.65	-498.67	606.25	666.65	656.67	9.97	66.842		
1,200.00	1,179.82	1,108.83	1,094.05	6.33	4.85	-26.59	-527.13	608.40	650.68	639.76	10.92	59.585		
1,300.00	1,273.17	1,211.95	1,194.13	6.84	5.30	-26.25	-551.61	604.25	628.77	616.95	11.82	53.194		
1,404.90	1,369.69	1,309.84	1,288.19	7.43	5.75	-25.69	-577.98	598.01	602.71	589.94	12.77	47.185		
1,500.00	1,456.50	1,398.65	1,372.89	8.00	6.16	-24.76	-603.86	591.42	578.20	564.54	13.66	42.321		
1,600.00	1,547.79	1,492.36	1,461.90	8.61	6.61	-23.58	-632.20	584.03	552.97	538.35	14.62	37.832		
1,700.00	1,639.07	1,587.90	1,552.23	9.23	7.09	-22.11	-662.27	575.98	528.43	512.83	15.59	33.890		
1,800.00	1,730.36	1,688.04	1,646.89	9.87	7.61	-20.40	-693.70	567.06	503.84	487.26	16.59	30.377		
1,900.00	1,821.64	1,786.97	1,740.79	10.52	8.13	-18.63	-723.52	558.14	478.76	461.18	17.58	27.232		
2,000.00	1,912.93	1,876.22	1,825.68	11.18	8.61	-16.97	-750.02	550.64	454.23	435.67	18.56	24.472		
2,100.00	2,004.21	1,954.30	1,899.62	11.84	9.04	-15.44	-774.73	546.24	433.35	413.83	19.52	22.201		
2,200.00	2,095.50	2,050.40	1,990.40	12.51	9.58	-13.52	-806.05	542.84	415.04	394.51	20.52	20.223		
2,300.00	2,186.78	2,148.29	2,083.05	13.19	10.13	-11.53	-837.53	540.14	397.36	375.83	21.53	18.458		
2,400.00	2,278.06	2,249.51	2,179.22	13.86	10.71	-9.39	-869.02	537.48	379.38	356.85	22.54	16.834		
2,500.00	2,369.35	2,346.84	2,271.87	14.55	11.25	-7.26	-898.75	535.45	361.78	338.25	23.53	15.375		
2,600.00	2,460.63	2,447.40	2,367.44	15.23	11.82	-4.55	-929.77	531.56	344.07	319.55	24.53	14.029		
2,700.00	2,551.92	2,544.66	2,460.05	15.92	12.37	-1.68	-959.24	527.66	326.60	301.09	25.51	12.801		
2,800.00	2,643.20	2,639.97	2,550.87	16.61	12.91	1.25	-988.04	524.86	310.41	283.91	26.50	11.714		
2,900.00	2,734.49	2,735.57	2,641.89	17.30	13.45	4.38	-1,017.19	522.74	295.68	268.18	27.50	10.754		
3,000.00	2,825.77	2,833.52	2,735.06	18.00	14.01	7.85	-1,047.34	520.98	282.39	253.87	28.52	9.903		
3,100.00	2,917.06	2,930.17	2,826.82	18.69	14.56	12.05	-1,077.41	516.98	269.97	240.41	29.56	9.132		
3,200.00	3,008.34	3,024.79	2,916.42	19.39	15.11	16.55	-1,107.59	513.06	260.00	229.35	30.65	8.484		
3,300.00	3,099.63	3,122.15	3,008.42	20.09	15.68	21.45	-1,139.21	509.23	252.52	220.71	31.81	7.939		
3,400.00	3,190.91	3,219.89	3,100.97	20.79	16.24	26.47	-1,170.48	506.09	246.57	213.53	33.04	7.463		
3,500.00	3,282.20	3,316.70	3,192.61	21.49	16.81	31.66	-1,201.54	502.79	242.78	208.44	34.35	7.069		
3,600.00	3,373.48	3,417.59	3,288.23	22.19	17.39	37.44	-1,233.39	498.33	240.86	205.06	35.80	6.727		
3,700.00	3,464.77	3,518.04	3,383.99	22.89	17.96	43.16	-1,263.50	494.73	239.57	202.25	37.33	6.418		
3,800.00	3,556.05	3,619.32	3,480.90	23.60	18.53	48.73	-1,292.84	492.47	239.20	200.29	38.91	6.148		
3,809.52	3,564.75	3,629.00	3,490.18	23.66	18.59	49.25	-1,295.58	492.34	239.19	200.13	39.06	6.123		
3,900.00	3,647.34	3,715.14	3,572.69	24.30	19.07	53.89	-1,320.26	490.88	240.45	200.00	40.45	5.944		
4,000.00	3,738.62	3,810.19	3,663.64	25.00	19.61	59.11	-1,347.75	488.16	244.69	202.67	42.02	5.824		
4,100.00	3,829.91	3,910.27	3,759.68	25.71	20.16	64.60	-1,375.73	484.80	250.60	206.93	43.67	5.738		
4,200.00	3,921.19	3,998.59	3,844.01	26.42	20.66	69.07	-1,401.72	481.46	260.06	215.01	45.05	5.773		
4,300.00	4,012.48	4,088.46	3,928.86	27.12	21.19	72.95	-1,431.04	477.30	274.17	227.81	46.36	5.914		
4,400.00	4,103.76	4,181.53	4,015.90	27.83	21.76	76.26	-1,463.67	472.65	291.48	243.78	47.70	6.111		
4,500.00	4,195.05	4,276.37	4,103.95	28.54	22.34	79.00	-1,498.56	468.01	310.71	261.66	49.05	6.334		
4,600.00	4,286.33	4,377.28	4,197.60	29.24	22.97	81.49	-1,535.88	463.61	330.26	279.70	50.56	6.532		
4,700.00	4,377.62	4,476.60	4,290.16	29.95	23.57	83.77	-1,571.69	459.62	349.53	297.53	52.00	6.722		
4,800.00	4,468.90	4,577.10	4,384.14	30.66	24.19	85.93	-1,607.12	455.92	368.55	315.11	53.44	6.896		
4,900.00	4,560.19	4,677.31	4,478.29	31.37	24.79	88.00	-1,641.26	452.58	387.13	332.27	54.86	7.057		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,000.00	4,651.47	4,776.10	4,571.39	32.08	25.38	89.96	-1,674.15	449.32	405.76	349.54	56.22	7.218		
5,100.00	4,742.76	4,877.34	4,667.18	32.79	25.97	91.93	-1,706.76	446.13	424.23	366.61	57.61	7.363		
5,200.00	4,834.04	4,980.67	4,765.38	33.50	26.57	93.88	-1,738.79	443.66	441.95	382.93	59.02	7.488		
5,300.00	4,925.33	5,079.05	4,859.45	34.21	27.13	95.79	-1,767.54	441.65	459.15	398.84	60.31	7.613		
5,400.00	5,016.61	5,174.85	4,951.32	34.92	27.67	97.66	-1,794.57	439.04	477.12	415.58	61.54	7.754		
5,500.00	5,107.90	5,273.96	5,046.22	35.63	28.23	99.40	-1,823.04	436.50	495.56	432.76	62.80	7.890		
5,600.00	5,199.18	5,373.82	5,141.77	36.34	28.79	100.96	-1,851.99	434.58	513.87	449.79	64.08	8.019		
5,700.00	5,290.46	5,480.20	5,243.82	37.05	29.38	102.59	-1,881.98	433.40	531.57	466.13	65.44	8.123		
5,800.00	5,381.75	5,580.79	5,340.82	37.76	29.93	104.19	-1,908.62	433.13	548.42	481.74	66.67	8.225		
5,900.00	5,473.03	5,672.34	5,428.95	38.47	30.44	105.50	-1,933.40	432.68	565.97	498.20	67.77	8.351		
6,000.00	5,564.32	5,772.07	5,524.80	39.18	30.99	106.80	-1,960.95	432.24	583.87	514.88	68.99	8.463		
6,100.00	5,655.60	5,851.39	5,600.68	39.90	31.44	107.67	-1,983.98	430.83	603.53	533.67	69.86	8.639		
6,200.00	5,746.89	5,944.73	5,690.02	40.61	31.97	108.69	-2,010.79	427.34	625.23	554.27	70.97	8.810		
6,300.00	5,838.17	6,039.41	5,780.69	41.32	32.50	109.69	-2,037.73	423.39	647.54	575.44	72.09	8.982		
6,400.00	5,929.46	6,137.13	5,873.50	42.03	33.07	110.42	-2,068.08	419.47	670.10	596.80	73.31	9.141		
6,500.00	6,020.74	6,253.29	5,984.72	42.74	33.72	111.45	-2,101.39	416.59	691.03	616.22	74.81	9.237		
6,600.00	6,112.03	6,348.59	6,075.89	43.46	34.26	112.22	-2,129.07	415.20	711.19	635.24	75.96	9.363		
6,700.00	6,203.31	6,441.69	6,164.17	44.17	34.81	112.71	-2,158.62	413.48	732.01	654.92	77.09	9.495		
6,800.00	6,294.60	6,539.74	6,256.76	44.88	35.39	113.12	-2,190.81	411.42	753.18	674.85	78.33	9.616		
6,900.00	6,385.88	6,641.05	6,352.32	45.59	35.99	113.49	-2,224.39	409.73	773.98	694.36	79.62	9.721		
6,927.91	6,411.36	6,668.76	6,378.53	45.79	36.15	113.60	-2,233.37	409.31	779.74	699.77	79.97	9.750		
6,950.00	6,431.59	6,690.76	6,399.38	45.95	36.28	109.59	-2,240.40	408.99	783.91	703.66	80.24	9.769		
7,000.00	6,477.77	6,744.33	6,450.26	46.27	36.59	99.52	-2,257.17	408.33	790.43	709.54	80.90	9.771		
7,050.00	6,524.26	6,793.69	6,503.69	46.56	41.52	-165.89	-2,467.48	1,217.24	752.94	733.75	19.19	39.236		
7,100.00	6,570.76	6,842.52	6,553.74	46.81	41.49	-141.95	-2,467.52	1,214.37	703.20	683.98	19.23	36.570		
7,150.00	6,617.00	6,891.05	6,603.87	47.02	41.43	-138.77	-2,467.62	1,207.91	653.88	634.67	19.21	34.034		
7,200.00	6,662.68	6,940.12	6,654.07	47.20	41.34	-141.72	-2,467.82	1,196.98	605.27	586.06	19.21	31.501		
7,250.00	6,707.53	6,989.33	6,704.33	47.34	41.24	-145.98	-2,468.13	1,182.20	557.68	538.47	19.22	29.023		
7,300.00	6,751.28	7,038.64	6,748.64	47.47	41.12	-150.19	-2,468.57	1,163.67	511.40	492.17	19.23	26.592		
7,350.00	6,793.64	7,087.63	6,793.96	47.57	41.01	-153.97	-2,469.18	1,141.51	466.71	447.43	19.28	24.206		
7,400.00	6,834.35	7,137.30	6,834.30	47.66	40.91	-157.27	-2,470.01	1,115.87	423.88	404.50	19.38	21.871		
7,450.00	6,873.18	7,186.71	6,873.63	47.75	40.83	-160.10	-2,471.03	1,087.63	383.19	363.67	19.52	19.630		
7,500.00	6,909.88	7,236.04	6,909.88	47.83	40.76	-162.59	-2,472.17	1,056.47	344.93	325.19	19.75	17.469		
7,550.00	6,944.21	7,285.34	6,944.21	47.91	40.72	-164.82	-2,473.44	1,022.31	309.38	289.29	20.09	15.400		
7,600.00	6,975.98	7,334.64	6,975.98	47.99	40.68	-166.84	-2,474.85	985.36	276.75	256.18	20.57	13.452		
7,650.00	7,004.98	7,384.81	7,004.98	48.09	40.66	-168.89	-2,476.93	936.86	246.88	224.87	22.02	11.214		
7,700.00	7,031.04	7,434.86	7,031.04	48.20	40.64	-169.94	-2,484.19	855.97	215.37	184.89	30.48	7.067		
7,750.00	7,053.99	7,484.81	7,053.99	48.32	40.62	-167.91	-2,492.69	787.58	179.96	137.89	42.07	4.277		
7,800.00	7,073.70	7,534.86	7,073.70	48.46	40.58	-163.46	-2,497.70	739.04	140.97	89.54	51.43	2.741		
7,850.00	7,090.03	7,584.87	7,090.03	48.62	40.54	-158.64	-2,498.95	708.67	101.86	47.87	53.99	1.887		
7,900.00	7,102.90	7,634.88	7,102.90	48.81	40.49	-150.81	-2,498.46	679.61	64.70	8.61	56.09	1.153 Level 2		
7,950.00	7,112.22	7,684.89	7,112.22	49.02	40.42	-130.06	-2,496.03	649.54	30.64	-32.85	63.50	0.483 Level 1		
7,987.71	7,116.87	7,700.37	7,116.87	49.20	40.35	-76.76	-2,492.80	627.99	14.69	-67.01	81.70	0.180 Level 1, CC, ES, SF		
8,000.00	7,117.94	7,701.67	7,097.03	49.26	40.33	-53.62	-2,491.53	621.37	17.09	-59.85	76.94	0.222 Level 1		
8,047.82	7,120.00	7,702.97	7,075.68	49.51	40.25	-10.64	-2,485.66	597.32	44.92	-22.17	67.09	0.670 Level 1		
8,100.00	7,120.42	7,703.29	7,053.54	49.82	40.15	0.88	-2,478.54	575.08	81.56	12.31	69.25	1.178 Level 2		
8,200.00	7,121.24	7,704.02	7,016.19	50.53	39.97	8.19	-2,465.92	543.12	158.92	85.03	73.89	2.151		
8,300.00	7,122.05	7,704.75	6,982.76	51.39	39.80	11.26	-2,454.03	519.15	241.80	165.14	76.66	3.154		
8,400.00	7,122.86	7,705.48	6,952.40	52.42	39.64	13.17	-2,442.42	499.63	327.64	249.20	78.44	4.177		
8,500.00	7,123.68	7,706.20	6,922.12	53.63	39.50	14.48	-2,431.74	484.25	415.68	335.87	79.80	5.209		

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-14C-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-14C-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: 141-MWD+IFR1													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,600.00	7,124.49	7,238.58	6,905.90	55.01	39.38	15.32	-2,423.27	473.50	505.63	424.58	81.05	6.238		
8,700.00	7,125.30	7,218.05	6,888.60	56.54	39.28	15.92	-2,416.00	465.19	597.22	515.22	82.00	7.283		
8,800.00	7,126.12	7,200.51	6,873.62	58.21	39.19	16.37	-2,409.67	458.61	690.09	607.37	82.72	8.342		
8,900.00	7,126.93	7,168.00	6,845.42	60.01	39.02	17.09	-2,397.69	447.73	784.43	701.61	82.82	9.471		
9,000.00	7,127.75	7,168.00	6,845.42	61.92	39.02	17.09	-2,397.69	447.73	878.71	795.08	83.63	10.507		
9,100.00	7,128.56	7,168.00	6,845.42	63.92	39.02	17.09	-2,397.69	447.73	974.13	889.94	84.19	11.570		
9,200.00	7,129.37	7,168.00	6,845.42	66.01	39.02	17.09	-2,397.69	447.73	1,070.39	985.79	84.59	12.653		
9,300.00	7,130.19	7,136.83	6,817.94	68.16	38.85	17.65	-2,386.05	438.75	1,166.20	1,081.68	84.52	13.798		
9,400.00	7,131.00	7,127.13	6,809.31	70.38	38.79	17.80	-2,382.43	436.21	1,262.86	1,178.16	84.69	14.911		
9,500.00	7,131.81	7,118.33	6,801.44	72.65	38.74	17.93	-2,379.15	434.01	1,359.83	1,274.98	84.84	16.027		
9,600.00	7,132.63	7,110.30	6,794.24	74.97	38.70	18.04	-2,376.15	432.09	1,457.07	1,372.10	84.97	17.148		
9,700.00	7,133.44	7,102.95	6,787.64	77.33	38.66	18.13	-2,373.41	430.41	1,554.55	1,469.47	85.08	18.272		
9,800.00	7,134.25	7,074.00	6,761.44	79.72	38.50	18.45	-2,362.62	424.48	1,652.72	1,567.70	85.02	19.439		
9,900.00	7,135.07	7,074.00	6,761.44	82.16	38.50	18.45	-2,362.62	424.48	1,750.36	1,665.20	85.16	20.554		
10,000.00	7,135.88	7,074.00	6,761.44	84.62	38.50	18.45	-2,362.62	424.48	1,848.24	1,762.97	85.27	21.675		
10,100.00	7,136.70	7,074.00	6,761.44	87.11	38.50	18.45	-2,362.62	424.48	1,946.35	1,860.98	85.37	22.800		
10,200.00	7,137.51	7,074.00	6,761.44	89.62	38.50	18.45	-2,362.62	424.48	2,044.64	1,959.19	85.45	23.929		
10,300.00	7,138.32	7,074.00	6,761.44	92.16	38.50	18.45	-2,362.62	424.48	2,143.08	2,057.57	85.52	25.061		
10,400.00	7,139.14	7,074.00	6,761.44	94.71	38.50	18.45	-2,362.62	424.48	2,241.67	2,156.09	85.58	26.195		
10,500.00	7,139.95	7,074.00	6,761.44	97.29	38.50	18.45	-2,362.62	424.48	2,340.37	2,254.74	85.63	27.332		
10,600.00	7,140.76	7,074.00	6,761.44	99.88	38.50	18.45	-2,362.62	424.48	2,439.18	2,353.50	85.68	28.470		
10,700.00	7,141.58	7,074.00	6,761.44	102.48	38.50	18.45	-2,362.62	424.48	2,538.08	2,452.36	85.72	29.609		
10,800.00	7,142.39	7,074.00	6,761.44	105.10	38.50	18.45	-2,362.62	424.48	2,637.07	2,551.31	85.76	30.750		
10,900.00	7,143.20	7,074.00	6,761.44	107.74	38.50	18.45	-2,362.62	424.48	2,736.12	2,650.33	85.79	31.892		
11,000.00	7,144.02	7,040.42	6,730.69	110.38	38.30	18.72	-2,350.34	418.87	2,834.40	2,748.65	85.75	33.055		
11,100.00	7,144.83	7,037.21	6,727.74	113.04	38.28	18.74	-2,349.18	418.41	2,933.42	2,847.64	85.78	34.198		
11,200.00	7,145.65	7,034.16	6,724.92	115.71	38.26	18.76	-2,348.09	417.97	3,032.49	2,946.68	85.81	35.341		
11,300.00	7,146.46	7,031.27	6,722.25	118.38	38.25	18.78	-2,347.06	417.57	3,131.61	3,045.77	85.84	36.484		
11,400.00	7,147.27	7,028.51	6,719.70	121.07	38.23	18.79	-2,346.08	417.20	3,230.77	3,144.91	85.86	37.627		
11,500.00	7,148.09	7,025.89	6,717.27	123.76	38.21	18.80	-2,345.15	416.85	3,329.97	3,244.08	85.89	38.770		
11,600.00	7,148.90	7,023.38	6,714.95	126.46	38.20	18.82	-2,344.27	416.52	3,429.21	3,343.29	85.92	39.912		
11,700.00	7,149.71	7,020.99	6,712.73	129.17	38.19	18.83	-2,343.42	416.22	3,528.48	3,442.54	85.95	41.054		
11,800.00	7,150.53	7,018.70	6,710.61	131.89	38.17	18.84	-2,342.62	415.94	3,627.79	3,541.81	85.97	42.196		
11,900.00	7,151.34	6,981.00	6,675.41	134.61	37.95	18.95	-2,329.67	412.12	3,728.02	3,642.08	85.94	43.380		
12,000.00	7,152.16	6,981.00	6,675.41	137.34	37.95	18.95	-2,329.67	412.12	3,827.28	3,741.31	85.97	44.518		
12,100.00	7,152.97	6,981.00	6,675.41	140.07	37.95	18.95	-2,329.67	412.12	3,926.57	3,840.57	86.01	45.655		
12,200.00	7,153.78	6,981.00	6,675.41	142.81	37.95	18.95	-2,329.67	412.12	4,025.90	3,939.86	86.04	46.792		
12,300.00	7,154.60	6,981.00	6,675.41	145.55	37.95	18.95	-2,329.67	412.12	4,125.26	4,039.19	86.07	47.928		
12,400.00	7,155.41	6,981.00	6,675.41	148.30	37.95	18.95	-2,329.67	412.12	4,224.66	4,138.55	86.11	49.064		
12,500.00	7,156.22	6,981.00	6,675.41	151.05	37.95	18.95	-2,329.67	412.12	4,324.08	4,237.94	86.14	50.199		
12,600.00	7,157.04	6,981.00	6,675.41	153.80	37.95	18.95	-2,329.67	412.12	4,423.52	4,337.35	86.17	51.333		
12,700.00	7,157.85	6,981.00	6,675.41	156.56	37.95	18.95	-2,329.67	412.12	4,522.99	4,436.79	86.21	52.467		
12,800.00	7,158.66	6,981.00	6,675.41	159.33	37.95	18.95	-2,329.67	412.12	4,622.49	4,536.24	86.24	53.600		
12,900.00	7,159.48	6,981.00	6,675.41	162.09	37.95	18.95	-2,329.67	412.12	4,722.00	4,635.72	86.28	54.732		
13,000.00	7,160.29	6,981.00	6,675.41	164.86	37.95	18.95	-2,329.67	412.12	4,821.53	4,735.22	86.31	55.863		
13,100.00	7,161.11	6,981.00	6,675.41	167.64	37.95	18.95	-2,329.67	412.12	4,921.09	4,834.74	86.35	56.993		
13,209.97	7,162.00	6,981.00	6,675.41	170.69	37.95	18.95	-2,329.67	412.12	5,030.59	4,944.20	86.39	58.234		
13,210.89	7,162.01	6,981.00	6,675.41	170.72	37.95	18.95	-2,329.67	412.12	5,031.50	4,945.11	86.39	58.244		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	125.88	-367.95	508.65	627.88					
100.00	100.00	85.94	85.94	3.28	3.29	125.90	-368.27	508.68	628.00	621.43	6.57	95.582		
200.00	200.00	182.49	182.48	3.34	3.30	125.98	-369.41	508.76	628.76	622.12	6.64	94.664		
300.00	299.98	285.27	285.25	3.44	3.36	-25.67	-370.96	508.95	628.23	621.42	6.80	92.322		
400.00	399.84	389.08	389.06	3.59	3.49	-25.96	-370.75	509.32	623.69	616.61	7.08	88.075		
500.00	499.45	491.48	491.45	3.79	3.66	-26.44	-370.25	509.37	615.62	608.17	7.45	82.607		
600.00	598.70	577.71	577.68	4.04	3.84	-27.01	-370.14	509.84	605.11	597.24	7.87	76.884		
700.00	697.47	661.93	661.84	4.32	4.04	-27.89	-369.84	513.01	594.09	585.73	8.36	71.100		
800.00	795.62	745.84	745.52	4.64	4.26	-29.14	-368.98	519.00	582.64	573.73	8.90	65.450		
900.00	893.06	831.94	831.18	5.01	4.52	-30.78	-367.88	527.71	570.90	561.39	9.51	60.047		
1,000.00	989.64	926.92	925.50	5.41	4.81	-32.91	-366.79	538.80	558.19	548.01	10.18	54.814		
1,100.00	1,085.27	1,037.49	1,035.55	5.85	5.18	-35.51	-367.09	549.43	542.29	531.34	10.95	49.543		
1,200.00	1,179.82	1,155.47	1,153.35	6.33	5.59	-38.47	-368.47	555.46	520.83	509.05	11.78	44.222		
1,300.00	1,273.17	1,268.43	1,266.31	6.84	5.99	-41.91	-368.89	556.60	493.73	481.11	12.62	39.126		
1,404.90	1,369.69	1,364.17	1,362.04	7.43	6.32	-45.69	-368.26	556.33	462.39	448.90	13.49	34.272		
1,500.00	1,456.50	1,452.15	1,450.01	8.00	6.64	-49.26	-367.81	555.63	433.99	419.66	14.33	30.283		
1,600.00	1,547.79	1,541.57	1,539.43	8.61	6.96	-53.31	-367.63	554.86	406.14	390.89	15.25	26.624		
1,700.00	1,639.07	1,628.17	1,626.03	9.23	7.29	-57.71	-367.44	554.83	381.51	365.28	16.23	23.503		
1,800.00	1,730.36	1,721.18	1,719.03	9.87	7.65	-63.00	-366.99	555.14	360.21	342.94	17.27	20.859		
1,900.00	1,821.64	1,811.19	1,809.04	10.52	8.00	-68.66	-366.37	555.35	342.45	324.11	18.34	18.672		
2,000.00	1,912.93	1,899.83	1,897.67	11.18	8.35	-74.75	-365.15	555.85	329.37	309.94	19.43	16.950		
2,100.00	2,004.21	1,989.48	1,987.22	11.84	8.71	-81.72	-360.88	556.21	322.10	301.58	20.52	15.696		
2,165.39	2,063.90	2,047.58	2,045.15	12.28	8.94	-86.61	-356.55	555.71	320.61	299.40	21.21	15.116 CC, ES		
2,200.00	2,095.50	2,077.42	2,074.86	12.51	9.06	-89.21	-353.83	555.23	321.07	299.51	21.56	14.893		
2,300.00	2,186.78	2,163.73	2,160.60	13.19	9.41	-96.92	-344.18	553.02	327.71	305.22	22.49	14.571 SF		
2,400.00	2,278.06	2,245.08	2,241.19	13.86	9.74	-104.15	-333.57	549.74	342.13	318.87	23.26	14.707		
2,500.00	2,369.35	2,319.77	2,315.02	14.55	10.05	-110.33	-322.42	547.89	365.76	341.91	23.85	15.338		
2,600.00	2,460.63	2,394.81	2,388.93	15.23	10.35	-115.99	-309.55	546.75	397.35	373.01	24.34	16.324		
2,700.00	2,551.92	2,464.79	2,457.55	15.92	10.65	-120.70	-295.85	546.35	435.85	411.13	24.71	17.635		
2,800.00	2,643.20	2,534.97	2,526.00	16.61	10.94	-124.83	-280.38	546.83	480.25	455.16	25.08	19.145		
2,900.00	2,734.49	2,603.46	2,592.43	17.30	11.23	-128.42	-263.71	547.15	529.19	503.75	25.44	20.805		
3,000.00	2,825.77	2,668.08	2,654.70	18.00	11.50	-131.37	-246.48	547.81	582.18	556.44	25.74	22.617		
3,100.00	2,917.06	2,745.07	2,728.57	18.69	11.84	-134.43	-224.81	548.74	637.98	611.65	26.32	24.237		
3,200.00	3,008.34	2,817.46	2,798.00	19.39	12.15	-136.98	-204.32	548.75	695.03	668.19	26.84	25.894		
3,300.00	3,099.63	2,886.08	2,863.54	20.09	12.46	-139.16	-183.98	548.04	754.07	726.75	27.31	27.608		
3,400.00	3,190.91	2,961.38	2,935.32	20.79	12.80	-141.33	-161.28	546.35	814.32	786.38	27.93	29.153		
3,500.00	3,282.20	3,033.09	3,003.61	21.49	13.13	-143.17	-139.48	544.54	875.49	846.99	28.51	30.712		
3,600.00	3,373.48	3,111.55	3,078.29	22.19	13.49	-144.91	-115.49	542.78	937.40	908.18	29.22	32.076		
3,700.00	3,464.77	3,188.37	3,151.50	22.89	13.85	-146.48	-92.36	540.24	999.43	969.51	29.92	33.401		
3,800.00	3,556.05	3,266.07	3,225.53	23.60	14.22	-147.77	-68.80	539.29	1,061.99	1,031.33	30.66	34.641		
3,900.00	3,647.34	3,360.63	3,315.95	24.30	14.67	-149.18	-41.18	537.97	1,123.94	1,092.26	31.68	35.478		
4,000.00	3,738.62	3,452.37	3,404.01	25.00	15.11	-150.27	-15.45	538.55	1,185.13	1,152.47	32.66	36.288		
4,100.00	3,829.91	3,543.79	3,492.11	25.71	15.54	-151.24	8.94	539.23	1,245.34	1,211.71	33.63	37.032		
4,200.00	3,921.19	3,607.67	3,553.65	26.42	15.85	-151.91	26.07	538.80	1,305.96	1,271.79	34.17	38.219		
4,300.00	4,012.48	3,711.97	3,654.18	27.12	16.35	-152.98	53.73	536.51	1,366.69	1,331.36	35.33	38.689		
4,400.00	4,103.76	3,766.27	3,706.60	27.83	16.61	-153.51	67.83	534.86	1,427.18	1,391.44	35.73	39.938		
4,500.00	4,195.05	3,818.88	3,757.11	28.54	16.87	-153.99	82.44	533.32	1,489.21	1,453.09	36.12	41.227		
4,600.00	4,286.33	3,876.48	3,812.17	29.24	17.15	-154.45	99.32	532.44	1,552.46	1,515.86	36.60	42.421		
4,700.00	4,377.62	3,934.59	3,867.47	29.95	17.44	-154.82	117.16	532.62	1,616.70	1,579.61	37.09	43.589		
4,800.00	4,468.90	3,995.00	3,924.74	30.66	17.74	-155.17	136.39	533.23	1,681.82	1,644.19	37.63	44.697		
4,900.00	4,560.19	4,091.91	4,016.62	31.37	18.23	-155.65	167.17	534.86	1,746.89	1,708.16	38.74	45.097		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (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	4,651.47	4,223.95	4,142.84	32.08	18.89	-156.30	205.86	536.36	1,810.01	1,769.67	40.34	44.866		
5,100.00	4,742.76	4,327.19	4,242.19	32.79	19.40	-156.80	233.92	536.51	1,871.69	1,830.19	41.50	45.104		
5,200.00	4,834.04	4,402.40	4,314.79	33.50	19.77	-157.17	253.56	535.93	1,932.69	1,890.44	42.25	45.739		
5,300.00	4,925.33	4,454.15	4,364.61	34.21	20.03	-157.43	267.56	535.12	1,994.60	1,951.91	42.69	46.724		
5,400.00	5,016.61	4,536.70	4,443.92	34.92	20.44	-157.84	290.33	533.01	2,057.13	2,013.58	43.55	47.234		
5,500.00	5,107.90	4,601.48	4,506.23	35.63	20.77	-158.16	307.95	530.75	2,119.56	2,075.39	44.17	47.985		
5,600.00	5,199.18	4,655.00	4,557.52	36.34	21.03	-158.41	323.11	529.16	2,182.83	2,138.19	44.64	48.901		
5,700.00	5,290.46	5,700.00	4,646.43	37.05	26.33	-158.81	349.20	526.42	2,245.95	2,195.71	50.24	44.706		
5,800.00	5,381.75	4,803.27	4,699.72	37.76	21.79	-159.04	364.88	524.71	2,309.32	2,263.17	46.15	50.035		
5,900.00	5,473.03	4,863.75	4,757.43	38.47	22.09	-159.27	382.90	523.17	2,373.76	2,327.03	46.73	50.798		
6,000.00	5,564.32	4,980.64	4,869.27	39.18	22.69	-159.62	416.87	522.44	2,437.28	2,389.20	48.09	50.685		
6,100.00	5,655.60	5,063.44	4,948.67	39.90	23.11	-159.87	440.30	521.36	2,500.46	2,451.49	48.97	51.060		
6,200.00	5,746.89	5,151.55	5,033.28	40.61	23.56	-160.13	464.86	519.82	2,563.40	2,513.47	49.92	51.347		
6,300.00	5,838.17	5,240.44	5,118.77	41.32	24.01	-160.40	489.16	517.99	2,625.99	2,575.10	50.88	51.608		
6,400.00	5,929.46	5,409.52	5,281.87	42.03	24.87	-160.82	533.62	516.41	2,688.13	2,635.27	52.86	50.857		
6,500.00	6,020.74	5,448.32	5,319.44	42.74	25.06	-160.92	543.30	515.88	2,748.64	2,695.45	53.18	51.685		
6,600.00	6,112.03	5,496.00	5,365.49	43.46	25.30	-161.05	555.63	514.80	2,810.13	2,756.52	53.61	52.417		
6,700.00	6,203.31	5,556.59	5,423.88	44.17	25.61	-161.21	571.73	513.04	2,872.34	2,818.13	54.21	52.989		
6,800.00	6,294.60	5,624.77	5,489.50	44.88	25.95	-161.40	590.07	510.80	2,934.90	2,880.00	54.90	53.460		
6,900.00	6,385.88	5,704.96	5,566.67	45.59	26.36	-161.62	611.65	507.60	2,997.63	2,941.89	55.75	53.773		
6,927.91	6,411.36	5,736.21	5,596.76	45.79	26.52	-161.70	619.96	506.33	3,015.08	2,958.99	56.09	53.751		
6,950.00	6,431.59	5,761.16	5,620.81	45.95	26.65	-167.44	626.53	505.36	3,028.79	2,972.42	56.37	53.730		
7,000.00	6,477.77	5,790.88	5,649.47	46.27	26.80	178.79	634.34	504.24	3,059.40	3,002.75	56.65	54.002		
7,050.00	6,524.26	5,812.70	5,670.47	46.56	26.91	164.28	640.21	503.45	3,089.52	3,032.69	56.83	54.367		
7,100.00	6,570.76	5,834.40	5,691.32	46.81	27.02	149.91	646.17	502.69	3,118.98	3,061.99	56.99	54.728		
7,150.00	6,617.00	5,868.00	5,723.53	47.02	27.19	136.68	655.67	501.57	3,147.68	3,090.38	57.30	54.931		
7,200.00	6,662.68	5,881.35	5,736.31	47.20	27.26	124.94	659.51	501.14	3,175.32	3,117.97	57.35	55.364		
7,250.00	6,707.53	5,912.31	5,765.93	47.34	27.42	115.12	668.47	500.16	3,201.82	3,144.18	57.64	55.553		
7,300.00	6,751.28	5,942.46	5,794.75	47.47	27.58	106.97	677.28	499.25	3,227.00	3,169.08	57.92	55.719		
7,350.00	6,793.64	5,975.63	5,826.44	47.57	27.75	100.29	687.04	498.29	3,250.75	3,192.50	58.25	55.808		
7,400.00	6,834.35	6,015.41	5,864.45	47.66	27.96	94.89	698.73	497.23	3,272.91	3,214.22	58.69	55.768		
7,450.00	6,873.18	6,053.41	5,900.77	47.75	28.16	90.46	709.87	496.29	3,293.39	3,234.26	59.13	55.696		
7,500.00	6,909.88	6,173.05	6,015.62	47.83	28.78	87.99	743.32	494.82	3,311.53	3,250.89	60.64	54.608		
7,550.00	6,944.21	6,210.01	6,051.23	47.91	28.96	85.08	753.20	494.33	3,327.81	3,266.66	61.14	54.426		
7,600.00	6,975.98	6,245.13	6,085.09	47.99	29.14	82.71	762.48	493.59	3,342.35	3,280.68	61.67	54.196		
7,650.00	7,004.98	6,242.00	6,082.07	48.09	29.13	80.24	761.65	493.67	3,355.31	3,293.52	61.78	54.308		
7,700.00	7,031.04	6,267.26	6,106.41	48.20	29.26	78.60	768.39	493.04	3,366.55	3,304.24	62.31	54.026		
7,750.00	7,053.99	6,277.38	6,116.15	48.32	29.31	77.08	771.14	492.77	3,376.22	3,313.50	62.73	53.825		
7,800.00	7,073.70	6,286.17	6,124.60	48.46	29.36	75.87	773.55	492.54	3,384.25	3,321.05	63.20	53.551		
7,850.00	7,090.03	6,293.58	6,131.71	48.62	29.39	74.93	775.60	492.33	3,390.61	3,326.88	63.73	53.204		
7,900.00	7,102.90	6,299.58	6,137.47	48.81	29.43	74.24	777.28	492.17	3,395.29	3,330.97	64.32	52.787		
7,950.00	7,112.22	6,304.13	6,141.84	49.02	29.45	73.78	778.55	492.04	3,398.29	3,333.32	64.97	52.305		
8,000.00	7,117.94	6,307.21	6,144.79	49.26	29.46	73.55	779.42	491.95	3,399.60	3,333.93	65.67	51.765		
8,047.82	7,120.00	6,308.76	6,146.28	49.51	29.47	73.53	779.86	491.91	3,399.29	3,332.90	66.39	51.202		
8,100.00	7,120.42	6,309.70	6,147.18	49.82	29.48	73.55	780.12	491.88	3,398.50	3,331.29	67.21	50.562		
8,124.93	7,120.63	6,310.15	6,147.61	49.99	29.48	73.56	780.25	491.87	3,398.41	3,330.77	67.64	50.242		
8,200.00	7,121.24	6,311.52	6,148.92	50.53	29.49	73.58	780.64	491.83	3,399.24	3,330.32	68.92	49.319		
8,300.00	7,122.05	6,313.35	6,150.67	51.39	29.50	73.61	781.16	491.78	3,402.92	3,332.14	70.77	48.082		
8,400.00	7,122.86	6,315.19	6,152.44	52.42	29.51	73.64	781.68	491.73	3,409.52	3,336.78	72.74	46.875		
8,500.00	7,123.68	6,335.00	6,171.41	53.63	29.61	73.97	787.37	491.14	3,419.13	3,344.12	75.01	45.582		

CC - Min centre 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-14C-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-14C-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		
8,600.00	7,124.49	6,335.00	6,171.41	55.01	29.61	73.97	787.37	491.14	3,431.51	3,354.41	77.10	44.506		
8,700.00	7,125.30	6,335.00	6,171.41	56.54	29.61	73.97	787.37	491.14	3,446.75	3,367.51	79.24	43.499		
8,800.00	7,126.12	6,335.00	6,171.41	58.21	29.61	73.97	787.37	491.14	3,464.81	3,383.41	81.40	42.566		
8,900.00	7,126.93	6,335.00	6,171.41	60.01	29.61	73.97	787.37	491.14	3,485.65	3,402.08	83.57	41.709		
9,000.00	7,127.75	6,335.00	6,171.41	61.92	29.61	73.97	787.37	491.14	3,509.21	3,423.47	85.74	40.930		
9,100.00	7,128.56	6,335.00	6,171.41	63.92	29.61	73.97	787.37	491.14	3,535.45	3,447.56	87.89	40.227		
9,200.00	7,129.37	6,335.00	6,171.41	66.01	29.61	73.97	787.37	491.14	3,564.30	3,474.29	90.01	39.599		
9,300.00	7,130.19	6,335.00	6,171.41	68.16	29.61	73.97	787.37	491.14	3,595.70	3,503.60	92.10	39.042		
9,400.00	7,131.00	6,335.00	6,171.41	70.38	29.61	73.97	787.37	491.14	3,629.58	3,535.44	94.14	38.554		
9,500.00	7,131.81	6,337.12	6,173.44	72.65	29.62	74.01	787.99	491.08	3,665.88	3,569.72	96.16	38.121		
9,600.00	7,132.63	6,340.53	6,176.70	74.97	29.64	74.07	788.98	490.97	3,704.52	3,606.37	98.15	37.744		
9,700.00	7,133.44	6,343.97	6,179.98	77.33	29.65	74.13	789.98	490.87	3,745.43	3,645.36	100.07	37.426		
9,800.00	7,134.25	6,347.43	6,183.29	79.72	29.67	74.18	790.99	490.76	3,788.53	3,686.59	101.94	37.164		
9,900.00	7,135.07	6,350.92	6,186.63	82.16	29.69	74.24	792.00	490.65	3,833.76	3,730.01	103.75	36.953		
10,000.00	7,135.88	6,354.44	6,189.99	84.62	29.71	74.30	793.03	490.54	3,881.03	3,775.54	105.49	36.790		
10,100.00	7,136.70	6,357.98	6,193.38	87.11	29.73	74.36	794.06	490.43	3,930.27	3,823.10	107.17	36.673		
10,200.00	7,137.51	6,361.56	6,196.80	89.62	29.75	74.42	795.10	490.32	3,981.42	3,872.63	108.79	36.599		
10,300.00	7,138.32	6,365.16	6,200.25	92.16	29.77	74.48	796.16	490.21	4,034.39	3,924.05	110.34	36.564		
10,400.00	7,139.14	6,368.80	6,203.72	94.71	29.78	74.54	797.22	490.09	4,089.11	3,977.29	111.83	36.566		
10,500.00	7,139.95	6,372.46	6,207.23	97.29	29.80	74.60	798.29	489.98	4,145.53	4,032.27	113.26	36.603		
10,600.00	7,140.76	6,376.16	6,210.76	99.88	29.82	74.67	799.37	489.86	4,203.56	4,088.93	114.62	36.672		
10,700.00	7,141.58	6,379.88	6,214.32	102.48	29.84	74.73	800.46	489.74	4,263.14	4,147.21	115.93	36.772		
10,800.00	7,142.39	6,383.64	6,217.91	105.10	29.86	74.79	801.56	489.62	4,324.22	4,207.03	117.19	36.900		
10,900.00	7,143.20	6,387.43	6,221.53	107.74	29.88	74.86	802.67	489.49	4,386.71	4,268.33	118.39	37.054		
11,000.00	7,144.02	6,391.25	6,225.18	110.38	29.90	74.92	803.79	489.37	4,450.58	4,331.05	119.53	37.233		
11,100.00	7,144.83	6,395.10	6,228.86	113.04	29.92	74.99	804.93	489.24	4,515.75	4,395.12	120.63	37.436		
11,200.00	7,145.65	6,398.99	6,232.57	115.71	29.94	75.05	806.07	489.11	4,582.18	4,460.50	121.67	37.660		
11,300.00	7,146.46	6,402.91	6,236.31	118.38	29.96	75.12	807.22	488.98	4,649.80	4,527.13	122.67	37.905		
11,400.00	7,147.27	6,406.86	6,240.09	121.07	29.98	75.18	808.38	488.85	4,718.57	4,594.94	123.62	38.169		
11,500.00	7,148.09	6,410.84	6,243.89	123.76	30.01	75.25	809.56	488.72	4,788.44	4,663.90	124.53	38.451		
11,600.00	7,148.90	6,414.86	6,247.73	126.46	30.03	75.32	810.74	488.58	4,859.35	4,733.95	125.40	38.750		
11,700.00	7,149.71	6,418.92	6,251.60	129.17	30.05	75.39	811.94	488.44	4,931.27	4,805.04	126.23	39.064		
11,800.00	7,150.53	6,423.01	6,255.51	131.89	30.07	75.46	813.15	488.30	5,004.16	4,877.13	127.03	39.394		
11,900.00	7,151.34	6,427.14	6,259.45	134.61	30.09	75.52	814.37	488.16	5,077.96	4,950.17	127.79	39.738		
12,000.00	7,152.16	6,431.30	6,263.42	137.34	30.11	75.59	815.60	488.02	5,152.64	5,024.13	128.51	40.095		
12,100.00	7,152.97	6,435.50	6,267.43	140.07	30.13	75.67	816.84	487.87	5,228.17	5,098.96	129.20	40.464		
12,200.00	7,153.78	6,439.74	6,271.48	142.81	30.15	75.74	818.08	487.72	5,304.51	5,174.79	129.87	40.842		
12,300.00	7,154.60	6,444.00	6,275.57	145.55	30.17	75.81	819.32	487.57	5,381.63	5,251.33	130.50	41.222		
12,400.00	7,155.41	6,448.26	6,279.69	148.30	30.19	75.88	820.56	487.42	5,459.49	5,328.63	131.08	41.602		
12,500.00	7,156.22	6,452.52	6,283.83	151.05	30.21	75.95	821.80	487.27	5,538.06	5,406.67	131.63	41.982		
12,600.00	7,157.04	6,456.78	6,287.99	153.80	30.23	76.02	823.04	487.12	5,617.31	5,485.42	132.15	42.362		
12,700.00	7,157.85	6,461.04	6,292.16	156.56	30.25	76.09	824.28	486.97	5,697.21	5,564.85	132.63	42.742		
12,800.00	7,158.66	6,465.30	6,296.33	159.33	30.27	76.16	825.52	486.82	5,777.74	5,644.92	133.07	43.122		
12,900.00	7,159.48	6,469.56	6,300.50	162.09	30.29	76.23	826.76	486.67	5,858.87	5,725.61	133.47	43.502		
13,000.00	7,160.29	6,473.82	6,304.67	164.86	30.31	76.30	828.00	486.52	5,940.57	5,806.90	133.83	43.882		
13,100.00	7,161.11	6,478.08	6,308.83	167.64	30.33	76.37	829.24	486.37	6,022.83	5,888.76	134.15	44.262		
13,209.97	7,162.00	6,482.34	6,312.99	170.41	30.35	76.44	830.48	486.22	6,105.13	5,971.41	134.43	44.642		
13,210.89	7,162.01	6,482.35	6,313.00	170.42	30.35	76.44	830.49	486.22	6,114.66	5,980.17	134.44	44.648		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	124.37	-347.91	508.65	616.35					
100.00	100.00	94.40	94.40	3.28	3.29	124.31	-347.10	508.70	615.86	609.29	6.57	93.715		
200.00	200.00	200.40	200.36	3.34	3.31	124.08	-344.29	508.86	614.50	607.85	6.65	92.430		
300.00	299.98	296.66	296.55	3.44	3.38	-28.00	-340.71	509.22	611.20	604.38	6.82	89.652		
400.00	399.84	388.20	388.07	3.59	3.49	-28.42	-338.97	509.74	606.01	598.93	7.08	85.570		
500.00	499.45	478.92	478.77	3.79	3.64	-28.78	-340.00	510.00	599.21	591.78	7.43	80.645		
600.00	598.70	575.86	575.69	4.04	3.83	-29.35	-341.71	511.21	590.53	582.66	7.87	75.052		
700.00	697.47	668.80	668.59	4.32	4.06	-30.33	-341.51	513.96	579.32	570.95	8.37	69.188		
800.00	795.62	757.84	757.46	4.64	4.30	-31.76	-339.74	519.06	566.77	557.84	8.93	63.448		
900.00	893.06	845.53	844.74	5.01	4.56	-33.70	-336.28	526.76	553.42	543.88	9.55	57.977		
1,000.00	989.64	938.40	936.94	5.41	4.85	-36.23	-331.68	536.86	539.40	529.18	10.22	52.771		
1,100.00	1,085.27	1,037.02	1,034.96	5.85	5.18	-39.19	-327.68	547.00	523.57	512.61	10.96	47.769		
1,200.00	1,179.82	1,143.63	1,141.13	6.33	5.55	-42.74	-324.29	556.00	505.11	493.34	11.77	42.910		
1,300.00	1,273.17	1,249.25	1,246.54	6.84	5.94	-46.74	-321.41	561.80	483.16	470.53	12.63	38.264		
1,404.90	1,369.69	1,365.98	1,363.23	7.43	6.36	-51.84	-319.26	563.61	456.17	442.59	13.58	33.596		
1,500.00	1,456.50	1,461.20	1,458.42	8.00	6.70	-56.10	-318.68	561.65	429.88	415.44	14.44	29.762		
1,600.00	1,547.79	1,551.92	1,549.09	8.61	7.03	-60.47	-319.23	558.64	403.66	388.28	15.38	26.249		
1,700.00	1,639.07	1,635.71	1,632.86	9.23	7.34	-64.95	-319.69	556.85	381.33	364.98	16.36	23.313		
1,800.00	1,730.36	1,724.10	1,721.25	9.87	7.67	-70.16	-319.81	556.11	363.57	346.19	17.38	20.916		
1,900.00	1,821.64	1,813.63	1,810.78	10.52	8.01	-75.90	-319.36	555.76	350.30	331.86	18.44	18.999		
2,000.00	1,912.93	1,903.38	1,900.51	11.18	8.37	-82.12	-317.80	555.45	341.98	322.48	19.50	17.537		
2,089.13	1,994.28	1,981.13	1,978.20	11.77	8.68	-87.90	-314.83	554.92	339.37	318.95	20.42	16.618 CC		
2,100.00	2,004.21	1,990.49	1,987.55	11.84	8.71	-88.61	-314.40	554.86	339.41	318.88	20.53	16.531 ES		
2,200.00	2,095.50	2,075.21	2,072.12	12.51	9.06	-95.10	-309.47	554.41	343.67	322.18	21.49	15.991		
2,300.00	2,186.78	2,158.39	2,155.00	13.19	9.39	-101.53	-302.43	553.81	355.30	332.94	22.35	15.894 SF		
2,400.00	2,278.06	2,238.63	2,234.78	13.86	9.72	-107.56	-293.89	553.07	374.11	351.02	23.10	16.197		
2,500.00	2,369.35	2,314.75	2,310.21	14.55	10.03	-112.95	-283.69	552.74	400.48	376.77	23.71	16.892		
2,600.00	2,460.63	2,394.79	2,389.31	15.23	10.37	-118.14	-271.49	552.53	432.97	408.66	24.31	17.808		
2,700.00	2,551.92	2,471.66	2,465.09	15.92	10.68	-122.63	-258.58	552.27	470.43	445.58	24.85	18.929		
2,800.00	2,643.20	2,545.89	2,538.01	16.61	10.99	-126.53	-244.74	551.81	512.37	487.03	25.34	20.217		
2,900.00	2,734.49	2,611.44	2,602.12	17.30	11.27	-129.64	-231.07	551.20	558.58	532.89	25.69	21.739		
3,000.00	2,825.77	2,675.00	2,663.73	18.00	11.54	-132.31	-215.46	551.46	609.83	583.81	26.02	23.435		
3,100.00	2,917.06	2,723.03	2,709.82	18.69	11.74	-134.10	-201.98	552.16	665.46	639.38	26.08	25.517		
3,200.00	3,008.34	2,768.00	2,752.56	19.39	11.94	-135.63	-188.03	553.02	725.10	699.01	26.08	27.797		
3,300.00	3,099.63	2,820.85	2,802.16	20.09	12.17	-137.28	-169.84	553.97	788.21	761.93	26.27	29.999		
3,400.00	3,190.91	2,861.00	2,839.33	20.79	12.36	-138.46	-154.65	554.46	854.60	828.37	26.23	32.576		
3,500.00	3,282.20	2,916.34	2,889.98	21.49	12.61	-139.94	-132.36	555.00	923.40	896.85	26.54	34.792		
3,600.00	3,373.48	2,976.32	2,944.38	22.19	12.89	-141.39	-107.11	555.50	993.95	966.98	26.97	36.851		
3,700.00	3,464.77	3,072.03	3,031.74	22.89	13.35	-143.50	-68.02	554.59	1,064.01	1,035.89	28.12	37.843		
3,800.00	3,556.05	3,159.93	3,112.79	23.60	13.78	-145.21	-34.05	552.93	1,132.75	1,103.65	29.09	38.937		
3,900.00	3,647.34	3,222.87	3,170.89	24.30	14.09	-146.30	-9.89	551.52	1,201.66	1,172.04	29.62	40.574		
4,000.00	3,738.62	3,345.64	3,284.91	25.00	14.70	-148.17	35.52	548.77	1,269.93	1,238.74	31.19	40.713		
4,100.00	3,829.91	3,447.07	3,380.28	25.71	15.21	-149.49	69.96	546.66	1,335.99	1,303.63	32.36	41.280		
4,200.00	3,921.19	3,559.61	3,487.09	26.42	15.77	-150.71	105.37	545.57	1,400.16	1,366.47	33.69	41.558		
4,300.00	4,012.48	3,637.97	3,561.81	27.12	16.16	-151.34	128.88	547.66	1,463.09	1,428.60	34.49	42.415		
4,400.00	4,103.76	3,689.27	3,610.49	27.83	16.42	-151.68	144.93	549.71	1,527.07	1,492.18	34.89	43.765		
4,500.00	4,195.05	3,736.75	3,655.28	28.54	16.66	-151.98	160.55	551.65	1,592.39	1,557.16	35.24	45.191		
4,600.00	4,286.33	3,781.74	3,697.50	29.24	16.89	-152.27	176.07	553.00	1,659.11	1,623.57	35.55	46.675		
4,700.00	4,377.62	3,820.89	3,734.00	29.95	17.09	-152.52	190.20	553.72	1,727.23	1,691.47	35.77	48.293		
4,800.00	4,468.90	3,856.22	3,766.69	30.66	17.28	-152.76	203.59	553.95	1,796.88	1,760.95	35.93	50.014		
4,900.00	4,560.19	3,889.00	3,796.79	31.37	17.45	-152.98	216.56	553.81	1,867.98	1,831.93	36.05	51.816		

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-14C-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-14C-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		
5,000.00	4,651.47	3,925.47	3,830.02	32.08	17.65	-153.24	231.56	553.25	1,940.40	1,904.16	36.24	53.541		
5,100.00	4,742.76	3,959.39	3,860.70	32.79	17.84	-153.47	246.01	552.37	2,014.03	1,977.63	36.40	55.336		
5,200.00	4,834.04	3,981.00	3,880.13	33.50	17.96	-153.63	255.45	551.63	2,088.85	2,052.50	36.35	57.461		
5,300.00	4,925.33	4,019.56	3,914.51	34.21	18.17	-153.90	272.84	550.01	2,164.71	2,128.11	36.60	59.143		
5,400.00	5,016.61	4,046.95	3,938.69	34.92	18.33	-154.09	285.63	548.66	2,241.73	2,205.06	36.67	61.130		
5,500.00	5,107.90	4,074.00	3,962.36	35.63	18.48	-154.28	298.63	547.17	2,319.78	2,283.03	36.74	63.135		
5,600.00	5,199.18	4,109.39	3,993.12	36.34	18.69	-154.52	316.01	545.08	2,398.66	2,361.70	36.97	64.886		
5,700.00	5,290.46	4,144.89	4,023.79	37.05	18.90	-154.75	333.75	542.92	2,478.20	2,441.00	37.20	66.615		
5,800.00	5,381.75	4,813.84	4,637.53	37.76	22.63	-157.99	592.19	516.10	2,542.38	2,495.57	46.81	54.317		
5,900.00	5,473.03	4,892.53	4,712.86	38.47	23.04	-158.29	614.85	514.06	2,605.95	2,558.31	47.64	54.704		
6,000.00	5,564.32	4,970.20	4,787.21	39.18	23.44	-158.56	637.23	512.33	2,669.52	2,621.06	48.46	55.091		
6,100.00	5,655.60	5,044.35	4,858.19	39.90	23.83	-158.79	658.65	511.00	2,733.12	2,683.88	49.24	55.511		
6,200.00	5,746.89	5,113.20	4,924.00	40.61	24.19	-158.98	678.86	510.72	2,796.91	2,746.96	49.95	55.992		
6,300.00	5,838.17	5,141.19	4,950.65	41.32	24.34	-159.04	687.42	510.86	2,861.50	2,811.35	50.16	57.050		
6,400.00	5,929.46	5,170.18	4,978.10	42.03	24.50	-159.10	696.75	511.12	2,927.33	2,876.96	50.37	58.117		
6,500.00	6,020.74	5,204.00	5,009.91	42.74	24.68	-159.17	708.21	511.56	2,994.35	2,943.71	50.64	59.130		
6,600.00	6,112.03	5,234.99	5,038.91	43.46	24.85	-159.22	719.14	512.02	3,062.39	3,011.52	50.87	60.195		
6,700.00	6,203.31	5,273.08	5,074.41	44.17	25.06	-159.28	732.92	512.58	3,131.27	3,080.06	51.20	61.154		
6,800.00	6,294.60	5,318.83	5,116.87	44.88	25.32	-159.35	749.96	513.23	3,200.91	3,149.27	51.64	61.987		
6,900.00	6,385.88	5,360.00	5,158.86	45.59	25.59	-159.42	767.61	513.95	3,270.56	3,209.85	52.07	62.869		
6,927.91	6,411.36	5,521.44	5,305.61	45.79	26.45	-159.65	823.53	515.99	3,289.67	3,235.53	54.14	60.763		
6,950.00	6,431.59	5,538.40	5,321.54	45.95	26.55	-160.59	829.33	516.17	3,304.53	3,250.20	54.33	60.828		
7,000.00	6,477.77	5,577.10	5,357.91	46.27	26.76	-179.86	842.54	516.56	3,337.83	3,283.09	54.74	60.973		
7,050.00	6,524.26	5,624.26	5,422.99	46.56	27.00	-180.34	855.59	517.72	3,370.03	3,307.27	55.16	61.154		
7,100.00	6,570.76	5,670.76	5,470.49	46.81	27.24	-180.86	868.91	519.01	3,401.34	3,345.07	55.57	61.340		
7,150.00	6,617.00	5,717.00	5,517.00	47.02	27.47	-181.35	882.59	519.56	3,431.67	3,375.07	55.96	61.526		
7,200.00	6,662.68	5,762.68	5,562.68	47.20	27.69	-181.81	896.50	519.83	3,460.96	3,404.19	56.33	61.711		
7,250.00	6,707.53	5,807.53	5,607.53	47.34	27.91	-182.27	910.63	520.06	3,489.17	3,432.21	56.69	61.896		
7,300.00	6,751.28	5,850.19	5,650.19	47.47	28.00	-182.73	924.97	520.19	3,516.25	3,459.18	57.07	62.081		
7,350.00	6,793.64	5,891.35	5,691.35	47.57	28.08	-183.20	939.62	520.30	3,542.05	3,484.86	57.43	62.266		
7,400.00	6,834.35	5,933.81	5,733.81	47.66	28.16	-183.68	954.67	520.38	3,566.46	3,509.15	57.79	62.451		
7,450.00	6,873.18	5,975.00	5,775.00	47.75	28.24	-184.16	969.92	520.48	3,589.44	3,531.82	58.14	62.636		
7,500.00	6,909.88	6,015.81	5,815.81	47.83	28.31	-184.65	985.37	520.48	3,610.73	3,553.11	58.49	62.821		
7,550.00	6,944.21	6,055.03	5,855.03	47.91	28.38	-185.14	1,000.92	520.50	3,630.35	3,572.31	58.84	63.006		
7,600.00	6,975.98	6,091.70	5,891.70	47.99	28.44	-185.63	1,016.67	520.43	3,648.10	3,589.60	59.19	63.191		
7,650.00	7,004.98	6,126.42	5,926.42	48.09	28.50	-186.12	1,032.62	520.27	3,663.96	3,604.96	59.54	63.376		
7,700.00	7,031.04	6,160.13	5,960.13	48.20	28.56	-186.61	1,048.77	520.05	3,677.89	3,618.36	59.89	63.561		
7,750.00	7,053.99	6,192.84	5,992.84	48.32	28.62	-187.10	1,065.12	520.02	3,689.96	3,630.08	60.24	63.746		
7,800.00	7,073.70	6,224.55	6,024.55	48.46	28.68	-187.59	1,081.67	519.92	3,700.09	3,639.73	60.59	63.931		
7,850.00	7,090.03	6,255.26	6,055.26	48.62	28.74	-188.08	1,098.42	519.84	3,708.28	3,647.38	60.94	64.116		
7,900.00	7,102.90	6,285.97	6,085.97	48.81	28.80	-188.57	1,115.37	519.77	3,714.51	3,653.01	61.29	64.301		
7,950.00	7,112.22	6,315.68	6,115.68	49.02	28.86	-189.06	1,132.52	519.72	3,718.76	3,656.61	61.64	64.486		
8,000.00	7,117.94	6,345.39	6,145.39	49.26	28.92	-189.55	1,149.87	519.69	3,721.02	3,658.18	61.99	64.671		
8,047.82	7,120.00	6,375.10	6,175.10	49.51	28.98	-190.04	1,167.42	519.68	3,721.33	3,657.79	62.34	64.856		
8,094.62	7,120.38	6,404.81	6,204.81	49.79	29.04	-190.53	1,185.17	519.67	3,721.03	3,656.77	62.69	65.041		
8,100.00	7,120.42	6,434.52	6,234.52	49.82	29.10	-191.02	1,203.12	519.67	3,721.02	3,656.69	63.04	65.226		
8,200.00	7,121.24	6,464.23	6,264.23	50.53	29.16	-191.51	1,221.27	519.66	3,722.52	3,656.51	63.39	65.411		
8,300.00	7,122.05	6,493.94	6,293.94	51.39	29.22	-192.00	1,239.62	519.65	3,726.70	3,658.87	63.74	65.596		
8,400.00	7,122.86	6,523.65	6,323.65	52.42	29.28	-192.49	1,258.27	519.64	3,733.54	3,663.79	64.09	65.781		
8,500.00	7,123.68	6,553.36	6,353.36	53.63	29.34	-193.00	1,277.22	519.62	3,743.04	3,671.28	64.44	65.966		

CC - Min centre 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-14C-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-14C-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							
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)			
8,600.00	7,124.49	6,018.87	5,773.00	55.01	29.20	68.95	993.54	519.61	3,755.19	3,681.34	73.85	50.847		
8,700.00	7,125.30	6,020.09	5,774.13	56.54	29.21	68.97	993.98	519.60	3,769.95	3,693.96	75.99	49.612		
8,800.00	7,126.12	6,021.31	5,775.27	58.21	29.22	68.99	994.43	519.59	3,787.29	3,709.13	78.15	48.459		
8,900.00	7,126.93	6,022.54	5,776.41	60.01	29.22	69.01	994.87	519.57	3,807.18	3,726.84	80.34	47.389		
9,000.00	7,127.75	6,023.77	5,777.56	61.92	29.23	69.03	995.31	519.56	3,829.57	3,747.04	82.53	46.404		
9,100.00	7,128.56	6,025.00	5,778.71	63.92	29.24	69.05	995.76	519.55	3,854.43	3,769.73	84.71	45.503		
9,200.00	7,129.37	6,026.24	5,779.87	66.01	29.24	69.07	996.21	519.53	3,881.71	3,794.84	86.87	44.684		
9,300.00	7,130.19	6,027.49	5,781.02	68.16	29.25	69.08	996.66	519.52	3,911.36	3,822.35	89.01	43.943		
9,400.00	7,131.00	6,028.73	5,782.19	70.38	29.26	69.10	997.11	519.51	3,943.31	3,852.20	91.11	43.279		
9,500.00	7,131.81	6,029.99	5,783.35	72.65	29.27	69.12	997.57	519.50	3,977.53	3,884.35	93.18	42.686		
9,600.00	7,132.63	6,031.24	5,784.53	74.97	29.27	69.14	998.03	519.48	4,013.94	3,918.74	95.20	42.162		
9,700.00	7,133.44	6,032.50	5,785.70	77.33	29.28	69.16	998.48	519.47	4,052.50	3,955.32	97.18	41.702		
9,800.00	7,134.25	6,033.77	5,786.88	79.72	29.29	69.18	998.94	519.46	4,093.13	3,994.03	99.10	41.302		
9,900.00	7,135.07	6,035.04	5,788.06	82.16	29.29	69.20	999.41	519.44	4,135.79	4,034.82	100.97	40.959		
10,000.00	7,135.88	6,036.32	5,789.25	84.62	29.30	69.22	999.87	519.43	4,180.40	4,077.61	102.79	40.670		
10,100.00	7,136.70	6,037.60	5,790.44	87.11	29.31	69.24	1,000.34	519.42	4,226.90	4,122.36	104.55	40.431		
10,200.00	7,137.51	6,038.88	5,791.64	89.62	29.32	69.26	1,000.80	519.40	4,275.24	4,168.99	106.25	40.238		
10,300.00	7,138.32	6,040.00	5,801.06	92.16	29.37	69.42	1,004.50	519.29	4,325.37	4,217.35	108.01	40.045		
10,400.00	7,139.14	6,040.00	5,801.06	94.71	29.37	69.42	1,004.50	519.29	4,377.18	4,267.60	109.58	39.945		
10,500.00	7,139.95	6,040.00	5,801.06	97.29	29.37	69.42	1,004.50	519.29	4,430.65	4,319.56	111.09	39.882		
10,600.00	7,140.76	6,040.00	5,801.06	99.88	29.37	69.42	1,004.50	519.29	4,485.71	4,373.16	112.55	39.856		
10,700.00	7,141.58	6,040.00	5,801.06	102.48	29.37	69.42	1,004.50	519.29	4,542.31	4,428.36	113.95	39.863		
10,800.00	7,142.39	6,040.00	5,801.06	105.10	29.37	69.42	1,004.50	519.29	4,600.38	4,485.09	115.29	39.902		
10,900.00	7,143.20	6,040.00	5,801.06	107.74	29.37	69.42	1,004.50	519.29	4,659.87	4,543.29	116.58	39.970		
11,000.00	7,144.02	6,050.01	5,802.00	110.38	29.38	69.43	1,004.87	519.28	4,720.74	4,602.90	117.84	40.061		
11,100.00	7,144.83	6,054.23	5,805.93	113.04	29.40	69.50	1,006.41	519.23	4,782.92	4,663.83	119.08	40.164		
11,200.00	7,145.65	6,058.68	5,810.07	115.71	29.43	69.56	1,008.04	519.18	4,846.36	4,726.07	120.29	40.290		
11,300.00	7,146.46	6,063.40	5,814.46	118.38	29.45	69.64	1,009.76	519.12	4,911.02	4,789.57	121.44	40.439		
11,400.00	7,147.27	6,068.40	5,819.12	121.07	29.48	69.71	1,011.59	519.05	4,976.84	4,854.28	122.56	40.608		
11,500.00	7,148.09	6,073.71	5,824.06	123.76	29.51	69.80	1,013.52	518.98	5,043.79	4,920.15	123.64	40.796		
11,600.00	7,148.90	6,079.36	5,829.33	126.46	29.55	69.88	1,015.58	518.90	5,111.81	4,987.14	124.67	41.001		
11,700.00	7,149.71	6,085.39	5,834.94	129.17	29.58	69.98	1,017.78	518.81	5,180.87	5,055.19	125.68	41.224		
11,800.00	7,150.53	6,091.83	5,840.93	131.89	29.62	70.07	1,020.13	518.70	5,250.92	5,124.27	126.65	41.461		
11,900.00	7,151.34	6,098.72	5,847.35	134.61	29.66	70.18	1,022.63	518.59	5,321.93	5,194.34	127.59	41.713		
12,000.00	7,152.16	6,106.12	5,854.24	137.34	29.70	70.29	1,025.33	518.45	5,393.85	5,265.35	128.50	41.977		
12,100.00	7,152.97	6,114.09	5,861.66	140.07	29.74	70.42	1,028.22	518.30	5,466.65	5,337.27	129.38	42.253		
12,200.00	7,153.78	6,122.69	5,869.67	142.81	29.79	70.55	1,031.34	518.13	5,540.29	5,410.06	130.24	42.540		
12,300.00	7,154.60	6,131.99	5,878.34	145.55	29.84	70.69	1,034.72	517.94	5,614.75	5,483.67	131.07	42.836		
12,400.00	7,155.41	6,142.10	5,887.76	148.30	29.90	70.85	1,038.38	517.71	5,689.98	5,558.09	131.89	43.141		
12,500.00	7,156.22	12,500.00	6,024.39	151.05	65.47	73.08	1,088.80	513.94	5,765.78	5,597.08	168.71	34.176		
12,600.00	7,157.04	12,600.00	6,028.37	153.80	66.04	73.15	1,090.23	513.80	5,842.41	5,672.47	169.94	34.379		
12,700.00	7,157.85	12,700.00	6,032.34	156.56	66.60	73.21	1,091.66	513.65	5,919.72	5,748.58	171.15	34.589		
12,800.00	7,158.66	12,800.00	6,036.31	159.33	67.16	73.28	1,093.09	513.51	5,997.71	5,825.38	172.33	34.804		
12,900.00	7,159.48	12,900.00	6,040.28	162.09	67.72	73.34	1,094.51	513.37	6,076.33	5,902.85	173.48	35.025		
13,000.00	7,160.29	13,000.00	6,044.25	164.86	68.28	73.41	1,095.94	513.23	6,155.58	5,980.96	174.62	35.252		
13,100.00	7,161.11	13,100.00	6,048.23	167.64	68.84	73.47	1,097.37	513.09	6,235.41	6,059.68	175.73	35.483		
13,209.97	7,162.00	13,209.97	6,052.60	170.69	69.45	73.54	1,098.94	512.93	6,323.87	6,146.94	176.93	35.742		
13,210.89	7,162.01	13,210.89	6,052.63	170.72	69.46	73.54	1,098.95	512.93	6,324.61	6,147.67	176.94	35.745		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	0.46	104.92	0.83	104.92					
100.00	100.00	100.00	100.00	3.28	3.28	0.46	104.92	0.83	104.92	98.35	6.57	15.971		
200.00	200.00	200.00	200.00	3.34	3.34	0.46	104.92	0.83	104.92	98.25	6.67	15.721 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-151.66	104.92	0.83	106.45	99.57	6.89	15.461		
400.00	399.84	402.14	402.12	3.59	3.60	-152.17	103.87	2.33	110.04	102.85	7.20	15.293		
500.00	499.45	504.36	504.18	3.79	3.80	-151.99	100.74	6.80	114.65	107.05	7.60	15.086		
600.00	598.70	606.59	606.01	4.04	4.05	-151.18	95.52	14.26	120.28	112.19	8.09	14.867		
700.00	697.47	708.80	707.42	4.32	4.32	-149.87	88.21	24.69	126.98	118.33	8.66	14.667		
800.00	795.62	810.94	808.24	4.64	4.64	-148.14	78.85	38.06	134.81	125.52	9.29	14.508		
900.00	893.06	912.98	908.31	5.01	5.00	-146.11	67.44	54.35	143.85	133.86	9.99	14.401		
1,000.00	989.64	1,014.48	1,007.11	5.41	5.39	-143.89	54.10	73.41	154.20	143.45	10.74	14.351		
1,100.00	1,085.27	1,113.59	1,103.27	5.85	5.79	-142.29	40.35	93.05	166.89	155.34	11.54	14.458		
1,200.00	1,179.82	1,212.37	1,199.11	6.33	6.22	-141.55	26.64	112.63	182.36	169.98	12.39	14.721		
1,300.00	1,273.17	1,310.69	1,294.52	6.84	6.66	-141.49	12.99	132.11	200.55	187.27	13.27	15.112		
1,404.90	1,369.69	1,413.22	1,394.00	7.43	7.14	-141.97	-1.23	152.43	222.52	208.29	14.23	15.638		
1,500.00	1,456.50	1,505.85	1,483.88	8.00	7.57	-142.80	-14.09	170.79	243.81	228.69	15.12	16.126		
1,600.00	1,547.79	1,603.25	1,578.38	8.61	8.04	-143.52	-27.60	190.09	266.25	250.18	16.07	16.568		
1,700.00	1,639.07	1,700.65	1,672.89	9.23	8.52	-144.14	-41.12	209.39	288.73	271.69	17.04	16.945		
1,800.00	1,730.36	1,801.95	1,767.40	9.87	9.02	-144.66	-54.63	228.69	311.23	293.19	18.04	17.263		
1,900.00	1,821.64	1,904.55	1,861.90	10.52	9.54	-145.11	-68.15	247.99	333.75	314.69	19.06	17.512		
2,000.00	1,912.93	2,007.15	1,956.41	11.18	10.05	-145.51	-81.66	267.29	356.29	336.20	20.09	17.737		
2,100.00	2,004.21	2,090.24	2,050.91	11.84	10.48	-145.86	-95.18	286.60	378.84	357.81	21.03	18.014		
2,200.00	2,095.50	2,187.64	2,145.42	12.51	10.98	-146.17	-108.69	305.90	401.40	379.35	22.05	18.205		
2,300.00	2,186.78	2,285.04	2,239.93	13.19	11.48	-146.44	-122.21	325.20	423.98	400.90	23.07	18.374		
2,400.00	2,278.06	2,382.44	2,334.43	13.86	11.98	-146.69	-135.72	344.50	446.56	422.46	24.11	18.525		
2,500.00	2,369.35	2,479.84	2,428.94	14.55	12.49	-146.92	-149.24	363.80	469.15	444.01	25.14	18.660		
2,600.00	2,460.63	2,577.24	2,523.45	15.23	13.00	-147.12	-162.75	383.10	491.75	465.57	26.18	18.782		
2,700.00	2,551.92	2,674.64	2,617.95	15.92	13.51	-147.31	-176.27	402.41	514.35	487.12	27.23	18.892		
2,800.00	2,643.20	2,772.04	2,712.46	16.61	14.02	-147.48	-189.78	421.71	536.96	508.68	28.27	18.991		
2,900.00	2,734.49	2,869.44	2,806.96	17.30	14.53	-147.64	-203.30	441.01	559.57	530.24	29.32	19.082		
3,000.00	2,825.77	2,966.84	2,901.47	18.00	15.05	-147.78	-216.81	460.31	582.18	551.81	30.38	19.165		
3,100.00	2,917.06	3,064.24	2,995.98	18.69	15.56	-147.91	-230.33	479.61	604.80	573.37	31.43	19.241		
3,200.00	3,008.34	3,161.64	3,090.48	19.39	16.08	-148.04	-243.84	498.91	627.42	594.93	32.49	19.311		
3,300.00	3,099.63	3,259.04	3,184.99	20.09	16.60	-148.15	-257.36	518.22	650.04	616.49	33.55	19.375		
3,400.00	3,190.91	3,356.43	3,279.49	20.79	17.12	-148.26	-270.87	537.52	672.67	638.06	34.61	19.435		
3,500.00	3,282.20	3,453.83	3,374.00	21.49	17.64	-148.36	-284.39	556.82	695.30	659.62	35.68	19.490		
3,600.00	3,373.48	3,551.23	3,468.51	22.19	18.16	-148.46	-297.90	576.12	717.93	681.19	36.74	19.541		
3,700.00	3,464.77	3,648.63	3,563.01	22.89	18.68	-148.54	-311.42	595.42	740.56	702.75	37.81	19.588		
3,800.00	3,556.05	3,746.03	3,657.52	23.60	19.20	-148.63	-324.93	614.72	763.19	724.32	38.87	19.633		
3,900.00	3,647.34	3,843.43	3,752.02	24.30	19.72	-148.71	-338.45	634.03	785.83	745.89	39.94	19.674		
4,000.00	3,738.62	3,940.83	3,846.53	25.00	20.24	-148.78	-351.96	653.33	808.46	767.45	41.01	19.713		
4,100.00	3,829.91	4,038.23	3,941.04	25.71	20.76	-148.85	-365.48	672.63	831.10	789.02	42.08	19.750		
4,200.00	3,921.19	4,135.63	4,035.54	26.42	21.29	-148.92	-379.00	691.93	853.74	810.58	43.15	19.784		
4,300.00	4,012.48	4,233.03	4,130.05	27.12	21.81	-148.98	-392.51	711.23	876.38	832.15	44.23	19.816		
4,400.00	4,103.76	4,330.43	4,224.55	27.83	22.33	-149.04	-406.03	730.53	899.02	853.72	45.30	19.847		
4,500.00	4,195.05	4,427.83	4,319.06	28.54	22.86	-149.10	-419.54	749.84	921.66	875.29	46.37	19.875		
4,600.00	4,286.33	4,525.23	4,413.57	29.24	23.38	-149.15	-433.06	769.14	944.30	896.85	47.45	19.902		
4,700.00	4,377.62	4,622.63	4,508.07	29.95	23.91	-149.20	-446.57	788.44	966.94	918.42	48.52	19.928		
4,800.00	4,468.90	4,720.02	4,602.58	30.66	24.43	-149.25	-460.09	807.74	989.59	939.99	49.60	19.952		
4,900.00	4,560.19	4,817.42	4,697.08	31.37	24.96	-149.30	-473.60	827.04	1,012.23	961.56	50.67	19.975		
5,000.00	4,651.47	4,914.82	4,791.59	32.08	25.48	-149.34	-487.12	846.34	1,034.87	983.12	51.75	19.997		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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					
5,100.00	4,742.76	5,012.22	4,886.10	32.79	26.01	-149.39	-500.63	865.65	1,057.52	1,004.69	52.83	20.018					
5,200.00	4,834.04	5,109.62	4,980.60	33.50	26.53	-149.43	-514.15	884.95	1,080.16	1,026.26	53.91	20.038					
5,300.00	4,925.33	5,207.02	5,075.11	34.21	27.06	-149.47	-527.66	904.25	1,102.81	1,047.83	54.98	20.057					
5,400.00	5,016.61	5,304.42	5,169.62	34.92	27.58	-149.51	-541.18	923.55	1,125.46	1,069.40	56.06	20.075					
5,500.00	5,107.90	5,401.82	5,264.12	35.63	28.11	-149.54	-554.69	942.85	1,148.10	1,090.96	57.14	20.092					
5,600.00	5,199.18	5,500.78	5,358.63	36.34	28.65	-149.58	-568.21	962.16	1,170.75	1,112.52	58.23	20.106					
5,700.00	5,290.46	5,603.38	5,453.13	37.05	29.20	-149.61	-581.72	981.46	1,193.40	1,134.06	59.34	20.113					
5,800.00	5,381.75	5,694.02	5,547.64	37.76	29.69	-149.64	-595.24	1,000.76	1,216.05	1,155.67	60.38	20.140					
5,900.00	5,473.03	5,808.58	5,642.15	38.47	30.31	-149.67	-608.75	1,020.06	1,238.70	1,177.15	61.55	20.125					
6,000.00	5,564.32	5,888.82	5,736.65	39.18	30.75	-149.70	-622.27	1,039.36	1,261.35	1,198.80	62.54	20.168					
6,100.00	5,655.60	5,986.21	5,831.16	39.90	31.27	-149.73	-635.78	1,058.66	1,284.00	1,220.37	63.62	20.181					
6,200.00	5,746.89	6,083.61	5,925.66	40.61	31.80	-149.76	-649.30	1,077.97	1,306.65	1,241.94	64.70	20.194					
6,300.00	5,838.17	6,181.01	6,020.17	41.32	32.33	-149.79	-662.81	1,097.27	1,329.30	1,263.51	65.79	20.206					
6,400.00	5,929.46	6,278.41	6,114.68	42.03	32.86	-149.82	-676.33	1,116.57	1,351.95	1,285.08	66.87	20.218					
6,500.00	6,020.74	6,375.81	6,209.18	42.74	33.38	-149.84	-689.84	1,135.87	1,374.60	1,306.65	67.95	20.229					
6,600.00	6,112.03	6,473.21	6,303.69	43.46	33.91	-149.86	-703.36	1,155.17	1,397.25	1,328.21	69.03	20.240					
6,700.00	6,203.31	6,570.61	6,398.19	44.17	34.44	-149.89	-716.87	1,174.47	1,419.90	1,349.78	70.12	20.251					
6,800.00	6,294.60	6,668.81	6,493.50	44.88	34.97	-149.92	-730.51	1,193.79	1,442.55	1,371.34	71.20	20.260					
6,900.00	6,385.88	6,771.09	6,594.15	45.59	35.44	-150.36	-744.95	1,203.80	1,464.97	1,392.79	72.18	20.296					
6,927.91	6,411.36	6,798.81	6,621.59	45.79	35.55	-150.58	-748.90	1,203.68	1,471.20	1,398.79	72.41	20.317					
6,950.00	6,431.59	6,820.47	6,643.00	45.95	35.63	-155.36	-751.99	1,202.76	1,476.16	1,403.58	72.58	20.339					
7,000.00	6,477.77	6,868.90	6,690.69	46.27	35.78	-167.18	-758.88	1,198.02	1,487.49	1,414.56	72.93	20.396					
7,050.00	6,524.26	6,916.57	6,737.15	46.56	35.93	-179.91	-765.61	1,189.80	1,498.93	1,425.67	73.26	20.461					
7,100.00	6,570.76	6,963.55	6,782.22	46.81	36.07	-167.32	-772.15	1,178.29	1,510.41	1,436.84	73.57	20.531					
7,150.00	6,617.00	7,009.91	6,825.74	47.02	36.21	-155.40	-778.49	1,163.66	1,521.84	1,447.97	73.87	20.602					
7,200.00	6,662.68	7,055.72	6,867.60	47.20	36.36	-144.90	-784.60	1,146.11	1,533.15	1,458.98	74.17	20.671					
7,250.00	6,707.53	7,101.03	6,907.66	47.34	36.51	-136.00	-790.46	1,125.79	1,544.25	1,469.77	74.48	20.735					
7,300.00	6,751.28	7,145.89	6,945.82	47.47	36.67	-128.57	-796.07	1,102.89	1,555.08	1,480.28	74.80	20.790					
7,350.00	6,793.64	7,190.37	6,981.98	47.57	36.84	-122.40	-801.39	1,077.57	1,565.55	1,490.41	75.14	20.834					
7,400.00	6,834.35	7,234.49	7,016.04	47.66	37.02	-117.26	-806.43	1,049.98	1,575.60	1,500.09	75.52	20.865					
7,450.00	6,873.18	7,278.31	7,047.90	47.75	37.22	-112.95	-811.16	1,020.30	1,585.16	1,509.24	75.92	20.879					
7,500.00	6,909.88	7,321.86	7,077.49	47.83	37.44	-109.32	-815.57	988.66	1,594.17	1,517.81	76.37	20.875					
7,550.00	6,944.21	7,365.17	7,104.73	47.91	37.68	-106.24	-819.65	955.25	1,602.57	1,525.71	76.86	20.850					
7,600.00	6,975.98	7,408.27	7,129.54	47.99	37.94	-103.64	-823.39	920.21	1,610.30	1,532.88	77.41	20.802					
7,650.00	7,004.98	7,451.19	7,151.86	48.09	38.22	-101.43	-826.78	883.72	1,617.30	1,539.28	78.02	20.729					
7,700.00	7,031.04	7,493.95	7,171.63	48.20	38.53	-99.58	-829.81	845.93	1,623.55	1,544.84	78.71	20.628					
7,750.00	7,053.99	7,536.57	7,188.78	48.32	38.87	-98.03	-832.46	807.01	1,628.98	1,549.52	79.46	20.500					
7,800.00	7,073.70	7,579.07	7,203.28	48.46	39.24	-96.76	-834.74	767.14	1,633.58	1,553.29	80.29	20.345					
7,850.00	7,090.03	7,621.46	7,215.09	48.62	39.63	-95.75	-836.63	726.47	1,637.30	1,556.10	81.20	20.164					
7,900.00	7,102.90	7,663.77	7,224.18	48.81	40.05	-94.98	-838.14	685.20	1,640.14	1,557.96	82.18	19.958					
7,950.00	7,112.22	7,705.99	7,230.53	49.02	40.49	-94.44	-839.25	643.48	1,642.05	1,558.82	83.23	19.729					
8,000.00	7,117.94	7,748.14	7,234.12	49.26	40.95	-94.11	-839.97	601.49	1,643.05	1,558.70	84.34	19.481					
8,047.82	7,120.00	7,789.88	7,235.02	49.51	41.43	-94.01	-840.30	559.77	1,643.12	1,557.65	85.46	19.226					
8,100.00	7,120.42	7,842.06	7,235.13	49.82	42.08	-94.00	-840.57	507.59	1,642.69	1,555.88	86.81	18.923					
8,200.00	7,121.24	7,942.05	7,235.35	50.53	43.41	-93.98	-841.07	407.60	1,641.87	1,552.29	89.58	18.329					
8,300.00	7,122.05	8,042.05	7,235.56	51.39	44.91	-93.96	-841.58	307.61	1,641.04	1,548.43	92.62	17.719					
8,400.00	7,122.86	8,142.04	7,235.77	52.42	46.53	-93.94	-842.09	207.61	1,640.22	1,544.33	95.90	17.104					
8,500.00	7,123.68	8,242.04	7,235.99	53.63	48.28	-93.92	-842.60	107.62	1,639.40	1,540.00	99.40	16.494					
8,600.00	7,124.49	8,342.03	7,236.20	55.01	50.14	-93.91	-843.11	7.62	1,638.58	1,535.48	103.09	15.894					
8,700.00	7,125.30	8,442.03	7,236.41	56.54	52.10	-93.89	-843.62	-92.37	1,637.76	1,530.79	106.97	15.311					

CC - Min centre 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-14C-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-14C-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		
8,800.00	7,126.12	8,542.02	7,236.63	58.21	54.13	93.87	-844.12	-192.36	1,636.93	1,525.94	111.00	14.748		
8,900.00	7,126.93	8,642.02	7,236.84	60.01	56.25	93.85	-844.63	-292.36	1,636.11	1,520.94	115.17	14.206		
9,000.00	7,127.75	8,742.01	7,237.05	61.92	58.42	93.83	-845.14	-392.35	1,635.29	1,515.82	119.47	13.688		
9,100.00	7,128.56	8,842.01	7,237.26	63.92	60.66	93.81	-845.65	-492.34	1,634.47	1,510.59	123.88	13.194		
9,200.00	7,129.37	8,942.00	7,237.48	66.01	62.95	93.79	-846.16	-592.34	1,633.65	1,505.25	128.40	12.723		
9,300.00	7,130.19	9,042.00	7,237.69	68.16	65.28	93.77	-846.66	-692.33	1,632.83	1,499.82	133.01	12.276		
9,400.00	7,131.00	9,141.99	7,237.90	70.38	67.66	93.75	-847.17	-792.32	1,632.01	1,494.31	137.69	11.852		
9,500.00	7,131.81	9,241.99	7,238.12	72.65	70.07	93.73	-847.68	-892.32	1,631.19	1,488.73	142.46	11.450		
9,600.00	7,132.63	9,341.98	7,238.33	74.97	72.52	93.71	-848.19	-992.31	1,630.37	1,483.08	147.29	11.069		
9,700.00	7,133.44	9,441.98	7,238.54	77.33	74.99	93.69	-848.70	-1,092.31	1,629.55	1,477.37	152.18	10.708		
9,800.00	7,134.25	9,541.97	7,238.76	79.72	77.50	93.68	-849.21	-1,192.30	1,628.73	1,471.60	157.13	10.366		
9,900.00	7,135.07	9,641.97	7,238.97	82.16	80.02	93.66	-849.71	-1,292.29	1,627.91	1,465.78	162.12	10.041		
10,000.00	7,135.88	9,741.96	7,239.18	84.62	82.57	93.64	-850.22	-1,392.29	1,627.09	1,459.92	167.17	9.733		
10,100.00	7,136.70	9,841.96	7,239.39	87.11	85.14	93.62	-850.73	-1,492.28	1,626.27	1,454.02	172.25	9.441		
10,200.00	7,137.51	9,941.95	7,239.61	89.62	87.73	93.60	-851.24	-1,592.27	1,625.45	1,448.08	177.37	9.164		
10,300.00	7,138.32	10,041.95	7,239.82	92.16	90.33	93.58	-851.75	-1,692.27	1,624.63	1,442.10	182.53	8.901		
10,400.00	7,139.14	10,141.94	7,240.03	94.71	92.95	93.56	-852.26	-1,792.26	1,623.81	1,436.09	187.72	8.650		
10,500.00	7,139.95	10,241.94	7,240.25	97.29	95.58	93.54	-852.76	-1,892.25	1,622.99	1,430.06	192.94	8.412		
10,600.00	7,140.76	10,341.93	7,240.46	99.88	98.22	93.52	-853.27	-1,992.25	1,622.17	1,423.99	198.18	8.185		
10,700.00	7,141.58	10,441.93	7,240.67	102.48	100.88	93.50	-853.78	-2,092.24	1,621.35	1,417.90	203.45	7.969		
10,800.00	7,142.39	10,541.92	7,240.89	105.10	103.55	93.48	-854.29	-2,192.24	1,620.54	1,411.79	208.75	7.763		
10,900.00	7,143.20	10,641.92	7,241.10	107.74	106.23	93.46	-854.80	-2,292.23	1,619.72	1,405.66	214.06	7.567		
11,000.00	7,144.02	10,741.92	7,241.31	110.38	108.91	93.44	-855.30	-2,392.22	1,618.90	1,399.51	219.40	7.379		
11,100.00	7,144.83	10,841.91	7,241.52	113.04	111.61	93.42	-855.81	-2,492.22	1,618.08	1,393.33	224.75	7.199		
11,200.00	7,145.65	10,941.91	7,241.74	115.71	114.31	93.40	-856.32	-2,592.21	1,617.27	1,387.15	230.12	7.028		
11,300.00	7,146.46	11,041.90	7,241.95	118.38	117.02	93.38	-856.83	-2,692.20	1,616.45	1,380.94	235.51	6.864		
11,400.00	7,147.27	11,141.90	7,242.16	121.07	119.74	93.36	-857.34	-2,792.20	1,615.63	1,374.72	240.91	6.706		
11,500.00	7,148.09	11,241.89	7,242.38	123.76	122.47	93.34	-857.85	-2,892.19	1,614.82	1,368.49	246.33	6.556		
11,600.00	7,148.90	11,341.89	7,242.59	126.46	125.20	93.32	-858.35	-2,992.18	1,614.00	1,362.24	251.76	6.411		
11,700.00	7,149.71	11,441.88	7,242.80	129.17	127.93	93.30	-858.86	-3,092.18	1,613.18	1,355.99	257.20	6.272		
11,800.00	7,150.53	11,541.88	7,243.02	131.89	130.67	93.28	-859.37	-3,192.17	1,612.37	1,349.72	262.65	6.139		
11,900.00	7,151.34	11,641.87	7,243.23	134.61	133.42	93.27	-859.88	-3,292.17	1,611.55	1,343.44	268.11	6.011		
12,000.00	7,152.16	11,741.87	7,243.44	137.34	136.17	93.25	-860.39	-3,392.16	1,610.73	1,337.15	273.59	5.887		
12,100.00	7,152.97	11,841.86	7,243.65	140.07	138.92	93.23	-860.90	-3,492.15	1,609.92	1,330.85	279.07	5.769		
12,200.00	7,153.78	11,941.86	7,243.87	142.81	141.68	93.21	-861.40	-3,592.15	1,609.10	1,324.54	284.57	5.655		
12,300.00	7,154.60	12,041.85	7,244.08	145.55	144.45	93.19	-861.91	-3,692.14	1,608.29	1,318.22	290.07	5.545		
12,400.00	7,155.41	12,141.85	7,244.29	148.30	147.21	93.17	-862.42	-3,792.13	1,607.47	1,311.90	295.58	5.438		
12,500.00	7,156.22	12,241.84	7,244.51	151.05	149.98	93.15	-862.93	-3,892.13	1,606.66	1,305.56	301.09	5.336		
12,600.00	7,157.04	12,341.84	7,244.72	153.80	152.76	93.13	-863.44	-3,992.12	1,605.84	1,299.22	306.62	5.237		
12,700.00	7,157.85	12,441.83	7,244.93	156.56	155.53	93.11	-863.94	-4,092.11	1,605.03	1,292.88	312.15	5.142		
12,800.00	7,158.66	12,541.83	7,245.15	159.33	158.31	93.09	-864.45	-4,192.11	1,604.22	1,286.53	317.69	5.050		
12,900.00	7,159.48	12,641.82	7,245.36	162.09	161.10	93.07	-864.96	-4,292.10	1,603.40	1,280.17	323.23	4.960		
13,000.00	7,160.29	12,741.82	7,245.57	164.86	163.88	93.05	-865.47	-4,392.09	1,602.59	1,273.80	328.78	4.874		
13,100.00	7,161.11	12,841.81	7,245.78	167.64	166.67	93.03	-865.98	-4,492.09	1,601.77	1,267.43	334.34	4.791		
13,209.97	7,162.00	12,951.78	7,246.02	170.69	169.74	93.00	-866.54	-4,602.05	1,600.88	1,260.42	340.46	4.702		
13,210.89	7,162.01	12,952.69	7,246.02	170.72	169.76	93.00	-866.54	-4,602.97	1,600.87	1,260.36	340.51	4.701 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	0.53	89.98	0.83	89.98					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	89.98	0.83	89.98	83.41	6.57	13.697		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	89.98	0.83	89.98	83.31	6.67	13.483 CC, ES		
300.00	299.98	302.16	302.14	3.44	3.44	-150.84	88.74	2.17	90.31	83.42	6.89	13.111		
400.00	399.84	404.30	404.13	3.59	3.60	-149.92	85.01	6.16	91.30	84.10	7.21	12.669		
500.00	499.45	506.40	505.81	3.79	3.81	-148.44	78.82	12.81	93.00	85.38	7.62	12.200		
600.00	598.70	608.42	607.04	4.04	4.06	-146.46	70.16	22.09	95.48	87.35	8.13	11.748		
700.00	697.47	710.36	707.66	4.32	4.36	-144.07	59.06	33.99	98.81	90.10	8.71	11.350		
800.00	795.62	812.19	807.54	4.64	4.69	-141.36	45.54	48.49	103.08	93.73	9.35	11.020		
900.00	893.06	913.88	906.51	5.01	5.07	-138.45	29.63	65.55	108.37	98.30	10.07	10.763		
1,000.00	989.64	1,015.01	1,004.08	5.41	5.48	-135.48	11.50	84.99	114.80	103.95	10.85	10.581		
1,100.00	1,085.27	1,114.56	1,099.84	5.85	5.92	-133.56	-7.05	104.89	123.40	111.72	11.68	10.563		
1,200.00	1,179.82	1,213.94	1,195.44	6.33	6.38	-132.95	-25.57	124.75	134.47	121.90	12.57	10.700		
1,300.00	1,273.17	1,313.01	1,290.74	6.84	6.86	-133.37	-44.04	144.55	147.90	134.41	13.49	10.963		
1,404.90	1,369.69	1,416.49	1,390.28	7.43	7.37	-134.61	-63.33	165.24	164.60	150.11	14.49	11.358		
1,500.00	1,456.50	1,510.05	1,480.28	8.00	7.84	-136.11	-80.77	183.94	181.06	165.64	15.42	11.743		
1,600.00	1,547.79	1,608.43	1,574.92	8.61	8.34	-137.42	-99.10	203.60	198.47	182.06	16.41	12.096		
1,700.00	1,639.07	1,706.81	1,669.55	9.23	8.85	-138.52	-117.44	223.26	215.96	198.55	17.41	12.404		
1,800.00	1,730.36	1,805.19	1,764.19	9.87	9.37	-139.45	-135.77	242.93	233.52	215.09	18.43	12.672		
1,900.00	1,821.64	1,903.57	1,858.82	10.52	9.89	-140.25	-154.11	262.59	251.13	231.68	19.45	12.909		
2,000.00	1,912.93	2,001.95	1,953.46	11.18	10.42	-140.95	-172.45	282.25	268.78	248.29	20.49	13.118		
2,100.00	2,004.21	2,100.33	2,048.09	11.84	10.95	-141.56	-190.78	301.92	286.47	264.94	21.53	13.303		
2,200.00	2,095.50	2,201.29	2,142.73	12.51	11.50	-142.10	-209.12	321.58	304.18	281.59	22.60	13.461		
2,300.00	2,186.78	2,302.91	2,237.36	13.19	12.05	-142.58	-227.46	341.24	321.92	298.25	23.67	13.600		
2,400.00	2,278.06	2,395.47	2,332.00	13.86	12.56	-143.01	-245.79	360.91	339.68	314.98	24.70	13.752		
2,500.00	2,369.35	2,506.15	2,426.63	14.55	13.17	-143.40	-264.13	380.57	357.45	331.62	25.83	13.838		
2,600.00	2,460.63	2,607.76	2,521.27	15.23	13.73	-143.75	-282.46	400.23	375.24	348.33	26.92	13.941		
2,700.00	2,551.92	2,709.38	2,615.90	15.92	14.29	-144.07	-300.80	419.90	393.04	365.04	28.01	14.034		
2,800.00	2,643.20	2,789.00	2,710.54	16.61	14.74	-144.36	-319.14	439.56	410.85	381.87	28.98	14.175		
2,900.00	2,734.49	2,887.38	2,805.17	17.30	15.28	-144.63	-337.47	459.22	428.68	398.61	30.06	14.259		
3,000.00	2,825.77	2,985.76	2,899.81	18.00	15.83	-144.88	-355.81	478.88	446.51	415.36	31.14	14.336		
3,100.00	2,917.06	3,084.14	2,994.44	18.69	16.38	-145.10	-374.15	498.55	464.34	432.11	32.23	14.408		
3,200.00	3,008.34	3,182.52	3,089.08	19.39	16.93	-145.31	-392.48	518.21	482.19	448.87	33.31	14.474		
3,300.00	3,099.63	3,280.90	3,183.71	20.09	17.48	-145.51	-410.82	537.87	500.04	465.63	34.40	14.536		
3,400.00	3,190.91	3,379.28	3,278.35	20.79	18.04	-145.69	-429.16	557.54	517.89	482.40	35.49	14.593		
3,500.00	3,282.20	3,477.66	3,372.99	21.49	18.59	-145.86	-447.49	577.20	535.75	499.17	36.58	14.646		
3,600.00	3,373.48	3,576.04	3,467.62	22.19	19.15	-146.02	-465.83	596.86	553.61	515.94	37.67	14.696		
3,700.00	3,464.77	3,674.42	3,562.26	22.89	19.70	-146.17	-484.16	616.53	571.48	532.71	38.77	14.742		
3,800.00	3,556.05	3,772.80	3,656.89	23.60	20.26	-146.31	-502.50	636.19	589.35	549.49	39.86	14.786		
3,900.00	3,647.34	3,871.18	3,751.53	24.30	20.81	-146.44	-520.84	655.85	607.22	566.27	40.95	14.827		
4,000.00	3,738.62	3,969.56	3,846.16	25.00	21.37	-146.56	-539.17	675.52	625.10	583.05	42.05	14.865		
4,100.00	3,829.91	4,067.94	3,940.80	25.71	21.92	-146.68	-557.51	695.18	642.98	599.83	43.15	14.902		
4,200.00	3,921.19	4,166.32	4,035.43	26.42	22.48	-146.79	-575.85	714.84	660.86	616.62	44.25	14.936		
4,300.00	4,012.48	4,264.70	4,130.07	27.12	23.04	-146.90	-594.18	734.51	678.75	633.40	45.35	14.968		
4,400.00	4,103.76	4,363.08	4,224.70	27.83	23.60	-147.00	-612.52	754.17	696.63	650.19	46.45	14.999		
4,500.00	4,195.05	4,461.46	4,319.34	28.54	24.15	-147.09	-630.85	773.83	714.52	666.98	47.55	15.028		
4,600.00	4,286.33	4,559.84	4,413.97	29.24	24.71	-147.18	-649.19	793.50	732.41	683.77	48.65	15.056		
4,700.00	4,377.62	4,658.22	4,508.61	29.95	25.27	-147.27	-667.53	813.16	750.30	700.56	49.75	15.082		
4,800.00	4,468.90	4,756.60	4,603.24	30.66	25.83	-147.35	-685.86	832.82	768.20	717.35	50.85	15.107		
4,900.00	4,560.19	4,854.98	4,697.88	31.37	26.39	-147.43	-704.20	852.49	786.09	734.14	51.95	15.131		
5,000.00	4,651.47	4,953.36	4,792.51	32.08	26.95	-147.50	-722.54	872.15	803.99	750.93	53.06	15.154		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 16N-9B-L - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,742.76	5,051.74	4,887.15	32.79	27.51	-147.57	-740.87	891.81	821.89	767.73	54.16	15.175		
5,200.00	4,834.04	5,150.12	4,981.78	33.50	28.07	-147.64	-759.21	911.48	839.78	784.52	55.26	15.196		
5,300.00	4,925.33	5,248.50	5,076.42	34.21	28.63	-147.71	-777.54	931.14	857.68	801.32	56.37	15.216		
5,400.00	5,016.61	5,346.89	5,171.05	34.92	29.19	-147.77	-795.88	950.80	875.58	818.11	57.47	15.235		
5,500.00	5,107.90	5,445.27	5,265.69	35.63	29.75	-147.83	-814.22	970.47	893.49	834.91	58.58	15.253		
5,600.00	5,199.18	5,543.65	5,360.33	36.34	30.31	-147.89	-832.55	990.13	911.39	851.70	59.68	15.270		
5,700.00	5,290.46	5,642.03	5,454.96	37.05	30.87	-147.94	-850.89	1,009.79	929.29	868.50	60.79	15.287		
5,800.00	5,381.75	5,740.41	5,549.60	37.76	31.43	-148.00	-869.23	1,029.46	947.20	885.30	61.90	15.303		
5,900.00	5,473.03	5,838.79	5,644.23	38.47	31.99	-148.05	-887.56	1,049.12	965.10	902.10	63.00	15.318		
6,000.00	5,564.32	5,937.17	5,738.87	39.18	32.55	-148.10	-905.90	1,068.78	983.01	918.90	64.11	15.333		
6,100.00	5,655.60	6,035.55	5,833.50	39.90	33.11	-148.14	-924.24	1,088.45	1,000.91	935.70	65.22	15.347		
6,200.00	5,746.89	6,133.93	5,928.14	40.61	33.68	-148.19	-942.57	1,108.11	1,018.82	952.50	66.32	15.361		
6,300.00	5,838.17	6,232.31	6,022.77	41.32	34.24	-148.24	-960.91	1,127.77	1,036.73	969.30	67.43	15.374		
6,400.00	5,929.46	6,330.69	6,117.41	42.03	34.80	-148.28	-979.24	1,147.44	1,054.64	986.10	68.54	15.387		
6,500.00	6,020.74	6,429.07	6,212.04	42.74	35.36	-148.32	-997.58	1,167.10	1,072.55	1,002.90	69.65	15.399		
6,600.00	6,112.03	6,527.45	6,306.68	43.46	35.92	-148.36	-1,015.92	1,186.76	1,090.46	1,019.70	70.76	15.411		
6,700.00	6,203.31	6,633.95	6,410.25	44.17	36.47	-148.40	-1,035.94	1,200.50	1,108.03	1,036.22	71.80	15.431		
6,800.00	6,294.60	6,735.97	6,510.26	44.88	36.85	-150.06	-1,055.17	1,197.05	1,125.15	1,052.61	72.54	15.511		
6,900.00	6,385.88	6,828.45	6,599.45	45.59	37.13	-151.85	-1,072.24	1,179.90	1,142.79	1,069.74	73.04	15.645		
6,927.91	6,411.36	6,852.24	6,621.92	45.79	37.19	-152.41	-1,076.53	1,173.38	1,147.97	1,074.81	73.15	15.692		
6,950.00	6,431.59	6,870.59	6,639.08	45.95	37.24	-157.36	-1,079.80	1,167.76	1,152.18	1,078.95	73.24	15.732		
7,000.00	6,477.77	6,911.34	6,676.57	46.27	37.36	-169.55	-1,086.94	1,153.51	1,162.11	1,088.70	73.41	15.830		
7,050.00	6,524.26	6,951.12	6,712.24	46.56	37.47	177.35	-1,093.71	1,137.26	1,172.48	1,098.91	73.57	15.937		
7,100.00	6,570.76	6,990.05	6,746.12	46.81	37.58	164.22	-1,100.12	1,119.20	1,183.18	1,109.46	73.72	16.049		
7,150.00	6,617.00	7,028.25	6,778.25	47.02	37.70	151.95	-1,106.19	1,099.47	1,194.09	1,120.22	73.87	16.165		
7,200.00	6,662.68	7,065.80	6,808.65	47.20	37.82	141.14	-1,111.92	1,078.19	1,205.10	1,131.09	74.01	16.283		
7,250.00	6,707.53	7,102.79	6,837.34	47.34	37.95	131.93	-1,117.31	1,055.48	1,216.11	1,141.95	74.16	16.399		
7,300.00	6,751.28	7,139.29	6,864.34	47.47	38.08	124.21	-1,122.37	1,031.44	1,227.00	1,152.68	74.32	16.510		
7,350.00	6,793.64	7,175.37	6,889.65	47.57	38.23	117.76	-1,127.09	1,006.18	1,237.68	1,163.18	74.50	16.614		
7,400.00	6,834.35	7,211.07	6,913.27	47.66	38.39	112.37	-1,131.48	979.79	1,248.05	1,173.35	74.70	16.707		
7,450.00	6,873.18	7,246.45	6,935.22	47.75	38.55	107.83	-1,135.55	952.34	1,258.01	1,183.08	74.94	16.788		
7,500.00	6,909.88	7,281.55	6,955.48	47.83	38.74	103.98	-1,139.28	923.93	1,267.49	1,192.27	75.22	16.850		
7,550.00	6,944.21	7,316.40	6,974.05	47.91	38.94	100.72	-1,142.68	894.64	1,276.41	1,200.86	75.56	16.894		
7,600.00	6,975.98	7,350.00	6,990.44	47.99	39.14	97.95	-1,145.66	865.46	1,284.70	1,208.75	75.95	16.916		
7,650.00	7,004.98	7,385.51	7,006.09	48.09	39.38	95.59	-1,148.49	833.72	1,292.28	1,215.85	76.43	16.908		
7,700.00	7,031.04	7,419.82	7,019.54	48.20	39.62	93.60	-1,150.89	802.25	1,299.11	1,222.12	76.99	16.874		
7,750.00	7,053.99	7,450.00	7,029.98	48.32	39.85	91.96	-1,152.74	774.00	1,305.13	1,227.52	77.62	16.815		
7,800.00	7,073.70	7,488.09	7,041.26	48.46	40.16	90.58	-1,154.69	737.68	1,310.29	1,231.91	78.38	16.718		
7,850.00	7,090.03	7,522.08	7,049.51	48.62	40.46	89.49	-1,156.09	704.73	1,314.56	1,235.35	79.22	16.595		
7,900.00	7,102.90	7,556.02	7,056.01	48.81	40.78	88.66	-1,157.14	671.45	1,317.92	1,237.76	80.15	16.443		
7,950.00	7,112.22	7,589.90	7,060.76	49.02	41.11	88.08	-1,157.86	637.91	1,320.32	1,239.14	81.18	16.264		
8,000.00	7,117.94	7,623.76	7,063.75	49.26	41.45	87.73	-1,158.23	604.19	1,321.77	1,239.47	82.30	16.061		
8,047.82	7,120.00	7,656.13	7,064.95	49.51	41.79	87.61	-1,158.28	571.84	1,322.25	1,238.82	83.43	15.849		
8,100.00	7,120.42	7,705.56	7,065.15	49.82	42.35	87.61	-1,158.02	522.42	1,322.38	1,237.63	84.74	15.604		
8,200.00	7,121.24	7,805.56	7,065.49	50.53	43.61	87.59	-1,157.50	422.42	1,322.65	1,235.16	87.49	15.118		
8,300.00	7,122.05	7,905.56	7,065.84	51.39	45.02	87.57	-1,156.97	322.42	1,322.92	1,232.40	90.52	14.615		
8,400.00	7,122.86	8,005.56	7,066.18	52.42	46.59	87.55	-1,156.45	222.43	1,323.19	1,229.40	93.79	14.108		
8,500.00	7,123.68	8,105.55	7,066.52	53.63	48.29	87.53	-1,155.92	122.43	1,323.46	1,226.16	97.29	13.603		
8,600.00	7,124.49	8,205.55	7,066.87	55.01	50.11	87.51	-1,155.40	22.43	1,323.72	1,222.73	100.99	13.107		
8,700.00	7,125.30	8,305.55	7,067.21	56.54	52.03	87.49	-1,154.87	-77.56	1,324.00	1,219.12	104.88	12.624		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	8,405.55	7,067.55	58.21	54.04	87.47	-1,154.35	-177.56	1,324.27	1,215.34	108.92	12.158		
8,900.00	7,126.93	8,505.55	7,067.90	60.01	56.12	87.45	-1,153.83	-277.56	1,324.54	1,211.43	113.11	11.710		
9,000.00	7,127.75	8,605.55	7,068.24	61.92	58.28	87.43	-1,153.30	-377.55	1,324.81	1,207.38	117.43	11.282		
9,100.00	7,128.56	8,705.55	7,068.59	63.92	60.51	87.41	-1,152.78	-477.55	1,325.08	1,203.22	121.86	10.874		
9,200.00	7,129.37	8,805.54	7,068.93	66.01	62.78	87.39	-1,152.25	-577.55	1,325.35	1,198.96	126.39	10.486		
9,300.00	7,130.19	8,905.54	7,069.27	68.16	65.10	87.37	-1,151.73	-677.54	1,325.62	1,194.60	131.02	10.118		
9,400.00	7,131.00	9,005.54	7,069.62	70.38	67.47	87.35	-1,151.20	-777.54	1,325.89	1,190.17	135.73	9.769		
9,500.00	7,131.81	9,105.54	7,069.96	72.65	69.88	87.33	-1,150.68	-877.54	1,326.16	1,185.65	140.51	9.438		
9,600.00	7,132.63	9,205.54	7,070.30	74.97	72.32	87.31	-1,150.15	-977.53	1,326.43	1,181.08	145.36	9.125		
9,700.00	7,133.44	9,305.54	7,070.65	77.33	74.79	87.29	-1,149.63	-1,077.53	1,326.70	1,176.44	150.27	8.829		
9,800.00	7,134.25	9,405.54	7,070.99	79.72	77.29	87.27	-1,149.11	-1,177.53	1,326.98	1,171.74	155.23	8.548		
9,900.00	7,135.07	9,505.53	7,071.33	82.16	79.81	87.25	-1,148.58	-1,277.52	1,327.25	1,167.00	160.25	8.282		
10,000.00	7,135.88	9,605.53	7,071.68	84.62	82.36	87.23	-1,148.06	-1,377.52	1,327.52	1,162.21	165.31	8.031		
10,100.00	7,136.70	9,705.53	7,072.02	87.11	84.92	87.21	-1,147.53	-1,477.52	1,327.79	1,157.39	170.41	7.792		
10,200.00	7,137.51	9,805.53	7,072.37	89.62	87.51	87.19	-1,147.01	-1,577.51	1,328.07	1,152.52	175.55	7.565		
10,300.00	7,138.32	9,905.53	7,072.71	92.16	90.11	87.17	-1,146.48	-1,677.51	1,328.34	1,147.62	180.72	7.350		
10,400.00	7,139.14	10,005.53	7,073.05	94.71	92.73	87.15	-1,145.96	-1,777.51	1,328.61	1,142.69	185.92	7.146		
10,500.00	7,139.95	10,105.53	7,073.40	97.29	95.36	87.13	-1,145.43	-1,877.50	1,328.88	1,137.73	191.15	6.952		
10,600.00	7,140.76	10,205.53	7,073.74	99.88	98.01	87.11	-1,144.91	-1,977.50	1,329.16	1,132.74	196.41	6.767		
10,700.00	7,141.58	10,305.52	7,074.08	102.48	100.67	87.09	-1,144.38	-2,077.50	1,329.43	1,127.73	201.70	6.591		
10,800.00	7,142.39	10,405.52	7,074.43	105.10	103.34	87.07	-1,143.86	-2,177.49	1,329.70	1,122.70	207.00	6.424		
10,900.00	7,143.20	10,505.52	7,074.77	107.74	106.01	87.05	-1,143.34	-2,277.49	1,329.98	1,117.65	212.33	6.264		
11,000.00	7,144.02	10,605.52	7,075.12	110.38	108.70	87.03	-1,142.81	-2,377.49	1,330.25	1,112.58	217.67	6.111		
11,100.00	7,144.83	10,705.52	7,075.46	113.04	111.40	87.01	-1,142.29	-2,477.48	1,330.53	1,107.49	223.04	5.965		
11,200.00	7,145.65	10,805.52	7,075.80	115.71	114.11	86.99	-1,141.76	-2,577.48	1,330.80	1,102.38	228.42	5.826		
11,300.00	7,146.46	10,905.52	7,076.15	118.38	116.82	86.97	-1,141.24	-2,677.48	1,331.07	1,097.26	233.81	5.693		
11,400.00	7,147.27	11,005.51	7,076.49	121.07	119.54	86.95	-1,140.71	-2,777.47	1,331.35	1,092.12	239.22	5.565		
11,500.00	7,148.09	11,105.51	7,076.83	123.76	122.26	86.93	-1,140.19	-2,877.47	1,331.62	1,086.98	244.65	5.443		
11,600.00	7,148.90	11,205.51	7,077.18	126.46	125.00	86.91	-1,139.66	-2,977.47	1,331.90	1,081.81	250.08	5.326		
11,700.00	7,149.71	11,305.51	7,077.52	129.17	127.74	86.89	-1,139.14	-3,077.46	1,332.17	1,076.64	255.53	5.213		
11,800.00	7,150.53	11,405.51	7,077.86	131.89	130.48	86.88	-1,138.62	-3,177.46	1,332.45	1,071.46	260.99	5.105		
11,900.00	7,151.34	11,505.51	7,078.21	134.61	133.23	86.86	-1,138.09	-3,277.46	1,332.72	1,066.26	266.46	5.002		
12,000.00	7,152.16	11,605.51	7,078.55	137.34	135.98	86.84	-1,137.57	-3,377.45	1,333.00	1,061.06	271.94	4.902		
12,100.00	7,152.97	11,705.50	7,078.90	140.07	138.74	86.82	-1,137.04	-3,477.45	1,333.27	1,055.85	277.42	4.806		
12,200.00	7,153.78	11,805.50	7,079.24	142.81	141.50	86.80	-1,136.52	-3,577.44	1,333.55	1,050.63	282.92	4.714		
12,300.00	7,154.60	11,905.50	7,079.58	145.55	144.27	86.78	-1,135.99	-3,677.44	1,333.82	1,045.40	288.42	4.625		
12,400.00	7,155.41	12,005.50	7,079.93	148.30	147.04	86.76	-1,135.47	-3,777.44	1,334.10	1,040.16	293.94	4.539		
12,500.00	7,156.22	12,105.50	7,080.27	151.05	149.81	86.74	-1,134.94	-3,877.43	1,334.38	1,034.92	299.45	4.456		
12,600.00	7,157.04	12,205.50	7,080.61	153.80	152.58	86.72	-1,134.42	-3,977.43	1,334.65	1,029.67	304.98	4.376		
12,700.00	7,157.85	12,305.50	7,080.96	156.56	155.36	86.70	-1,133.90	-4,077.43	1,334.93	1,024.42	310.51	4.299		
12,800.00	7,158.66	12,405.49	7,081.30	159.33	158.15	86.68	-1,133.37	-4,177.42	1,335.21	1,019.16	316.05	4.225		
12,900.00	7,159.48	12,505.49	7,081.65	162.09	160.93	86.66	-1,132.85	-4,277.42	1,335.48	1,013.89	321.59	4.153		
13,000.00	7,160.29	12,605.49	7,081.99	164.86	163.72	86.64	-1,132.32	-4,377.42	1,335.76	1,008.62	327.14	4.083		
13,100.00	7,161.11	12,705.49	7,082.33	167.64	166.51	86.62	-1,131.80	-4,477.41	1,336.04	1,003.34	332.69	4.016		
13,209.97	7,162.00	12,815.46	7,082.71	170.69	169.58	86.60	-1,131.22	-4,588.30	1,336.34	997.53	338.81	3.944		
13,210.89	7,162.01	12,816.37	7,082.71	170.72	169.61	86.60	-1,131.22	-4,588.30	1,336.34	997.48	338.86	3.944 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
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 CC		
300.00	299.98	300.87	300.84	3.44	3.44	-150.84	28.40	1.27	29.95	23.07	6.89	4.348		
400.00	399.84	401.73	401.56	3.59	3.60	-149.94	23.99	4.25	30.20	22.99	7.21	4.189 ES		
500.00	499.45	502.58	502.02	3.79	3.80	-148.47	16.65	9.22	30.62	22.99	7.63	4.014		
600.00	598.70	603.43	602.10	4.04	4.05	-146.49	6.38	16.16	31.24	23.11	8.13	3.842		
700.00	697.47	704.27	701.67	4.32	4.33	-144.05	-6.80	25.07	32.10	23.39	8.71	3.685		
800.00	795.62	805.09	800.60	4.64	4.66	-141.26	-22.87	35.93	33.21	23.85	9.35	3.550		
900.00	893.06	905.90	898.77	5.01	5.03	-138.21	-41.82	48.73	34.61	24.55	10.06	3.441		
1,000.00	989.64	1,006.68	996.06	5.41	5.44	-135.00	-63.60	63.46	36.34	25.51	10.83	3.356		
1,100.00	1,085.27	1,107.44	1,092.34	5.85	5.89	-131.72	-88.21	80.09	38.41	26.74	11.66	3.293		
1,200.00	1,179.82	1,208.18	1,187.50	6.33	6.37	-128.48	-115.59	98.60	40.84	28.26	12.58	3.248		
1,300.00	1,273.17	1,308.03	1,281.33	6.84	6.89	-127.62	-143.88	117.72	44.71	31.17	13.54	3.302		
1,404.90	1,369.69	1,412.71	1,379.70	7.43	7.45	-130.17	-173.54	137.77	51.11	36.54	14.57	3.508		
1,500.00	1,456.50	1,507.50	1,468.77	8.00	7.97	-133.33	-200.40	155.92	58.17	42.66	15.51	3.750		
1,600.00	1,547.79	1,607.17	1,562.43	8.61	8.53	-135.92	-228.64	175.01	65.74	49.22	16.51	3.981		
1,700.00	1,639.07	1,706.85	1,656.10	9.23	9.11	-137.97	-256.89	194.10	73.41	55.88	17.53	4.187		
1,800.00	1,730.36	1,806.52	1,749.76	9.87	9.69	-139.63	-285.13	213.19	81.16	62.60	18.56	4.373		
1,900.00	1,821.64	1,906.20	1,843.42	10.52	10.27	-141.00	-313.38	232.28	88.96	69.36	19.60	4.539		
2,000.00	1,912.93	2,005.87	1,937.09	11.18	10.87	-142.15	-341.62	251.37	96.81	76.16	20.65	4.688		
2,100.00	2,004.21	2,105.55	2,030.75	11.84	11.46	-143.12	-369.86	270.46	104.69	82.98	21.71	4.823		
2,200.00	2,095.50	2,205.22	2,124.41	12.51	12.07	-143.96	-398.11	289.55	112.59	89.82	22.77	4.944		
2,300.00	2,186.78	2,304.90	2,218.08	13.19	12.67	-144.69	-426.35	308.64	120.52	96.67	23.84	5.054		
2,400.00	2,278.06	2,404.57	2,311.74	13.86	13.28	-145.33	-454.60	327.73	128.46	103.54	24.92	5.154		
2,500.00	2,369.35	2,504.24	2,405.40	14.55	13.89	-145.89	-482.84	346.82	136.42	110.41	26.01	5.246		
2,600.00	2,460.63	2,603.92	2,499.07	15.23	14.51	-146.39	-511.08	365.91	144.39	117.30	27.09	5.329		
2,700.00	2,551.92	2,703.59	2,592.73	15.92	15.12	-146.84	-539.33	385.01	152.37	124.18	28.18	5.406		
2,800.00	2,643.20	2,803.27	2,686.39	16.61	15.74	-147.25	-567.57	404.10	160.35	131.08	29.28	5.477		
2,900.00	2,734.49	2,902.94	2,780.06	17.30	16.36	-147.61	-595.82	423.19	168.35	137.97	30.38	5.542		
3,000.00	2,825.77	3,002.62	2,873.72	18.00	16.98	-147.95	-624.06	442.28	176.35	144.87	31.48	5.602		
3,100.00	2,917.06	3,102.29	2,967.38	18.69	17.60	-148.25	-652.31	461.37	184.36	151.77	32.58	5.658		
3,200.00	3,008.34	3,201.97	3,061.05	19.39	18.23	-148.53	-680.55	480.46	192.37	158.68	33.69	5.710		
3,300.00	3,099.63	3,301.64	3,154.71	20.09	18.85	-148.79	-708.79	499.55	200.38	165.59	34.80	5.759		
3,400.00	3,190.91	3,401.31	3,248.37	20.79	19.48	-149.02	-737.04	518.64	208.40	172.49	35.91	5.804		
3,500.00	3,282.20	3,500.99	3,342.04	21.49	20.10	-149.24	-765.28	537.73	216.42	179.40	37.02	5.846		
3,600.00	3,373.48	3,600.66	3,435.70	22.19	20.73	-149.45	-793.53	556.82	224.45	186.32	38.13	5.886		
3,700.00	3,464.77	3,700.34	3,529.36	22.89	21.36	-149.64	-821.77	575.91	232.47	193.23	39.25	5.923		
3,800.00	3,556.05	3,800.01	3,623.03	23.60	21.99	-149.81	-850.01	595.00	240.50	200.14	40.36	5.959		
3,900.00	3,647.34	3,900.31	3,716.69	24.30	22.62	-149.98	-878.26	614.09	248.54	207.05	41.48	5.991		
4,000.00	3,738.62	4,000.64	3,810.35	25.00	23.25	-150.13	-906.50	633.18	256.57	213.96	42.61	6.022		
4,100.00	3,829.91	4,100.96	3,904.02	25.71	23.89	-150.28	-934.75	652.27	264.61	220.88	43.73	6.051		
4,200.00	3,921.19	4,201.29	3,997.68	26.42	24.52	-150.42	-962.99	671.36	272.64	227.79	44.86	6.078		
4,300.00	4,012.48	4,298.38	4,091.34	27.12	25.14	-150.55	-991.24	690.45	280.68	234.72	45.96	6.107		
4,400.00	4,103.76	4,398.06	4,185.01	27.83	25.77	-150.67	-1,019.48	709.54	288.72	241.64	47.09	6.132		
4,500.00	4,195.05	4,502.27	4,278.67	28.54	26.43	-150.78	-1,047.72	728.63	296.76	248.53	48.23	6.153		
4,600.00	4,286.33	4,597.41	4,372.33	29.24	27.03	-150.89	-1,075.97	747.72	304.81	255.47	49.33	6.178		
4,700.00	4,377.62	4,702.92	4,466.00	29.95	27.70	-151.00	-1,104.21	766.81	312.85	262.36	50.49	6.196		
4,800.00	4,468.90	4,803.24	4,559.66	30.66	28.34	-151.09	-1,132.46	785.90	320.89	269.27	51.62	6.216		
4,900.00	4,560.19	4,903.57	4,653.32	31.37	28.98	-151.19	-1,160.70	804.99	328.94	276.19	52.75	6.236		
5,000.00	4,651.47	5,003.90	4,746.99	32.08	29.62	-151.28	-1,188.94	824.08	336.99	283.10	53.88	6.254		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	5,095.78	4,840.65	32.79	30.20	-151.36	-1,217.19	843.17	345.03	290.07	54.97	6.277		
5,200.00	4,834.04	5,204.55	4,934.31	33.50	30.89	-151.44	-1,245.43	862.26	353.08	296.94	56.14	6.289		
5,300.00	4,925.33	5,304.87	5,027.98	34.21	31.53	-151.52	-1,273.68	881.36	361.13	303.85	57.28	6.305		
5,400.00	5,016.61	5,405.20	5,121.64	34.92	32.17	-151.60	-1,301.92	900.45	369.18	310.77	58.41	6.321		
5,500.00	5,107.90	5,505.52	5,215.30	35.63	32.81	-151.67	-1,330.16	919.54	377.23	317.68	59.54	6.335		
5,600.00	5,199.18	5,605.85	5,308.97	36.34	33.44	-151.73	-1,358.41	938.63	385.28	324.60	60.68	6.350		
5,700.00	5,290.46	5,693.83	5,402.63	37.05	34.01	-151.80	-1,386.65	957.72	393.33	331.59	61.74	6.371		
5,800.00	5,381.75	5,793.50	5,496.29	37.76	34.64	-151.86	-1,414.90	976.81	401.38	338.51	62.87	6.384		
5,900.00	5,473.03	5,893.18	5,589.96	38.47	35.28	-151.92	-1,443.14	995.90	409.43	345.43	64.00	6.397		
6,000.00	5,564.32	5,992.85	5,683.62	39.18	35.91	-151.98	-1,471.39	1,014.99	417.48	352.35	65.13	6.410		
6,100.00	5,655.60	6,092.52	5,777.28	39.90	36.55	-152.04	-1,499.63	1,034.08	425.53	359.27	66.27	6.422		
6,200.00	5,746.89	6,207.80	5,870.95	40.61	37.28	-152.09	-1,527.87	1,053.17	433.59	366.10	67.48	6.425		
6,300.00	5,838.17	6,291.87	5,964.61	41.32	37.82	-152.14	-1,556.12	1,072.26	441.64	373.11	68.53	6.445		
6,400.00	5,929.46	6,408.45	6,058.27	42.03	38.56	-152.19	-1,584.36	1,091.35	449.69	379.94	69.76	6.447		
6,500.00	6,020.74	6,508.78	6,151.94	42.74	39.20	-152.24	-1,612.61	1,110.44	457.75	386.86	70.89	6.457		
6,600.00	6,112.03	6,590.90	6,245.60	43.46	39.72	-152.29	-1,640.85	1,129.53	465.80	393.87	71.93	6.476		
6,700.00	6,203.31	6,709.43	6,339.26	44.17	40.48	-152.33	-1,669.09	1,148.62	473.86	400.69	73.17	6.477		
6,800.00	6,294.60	6,790.24	6,432.93	44.88	41.00	-152.37	-1,697.34	1,167.71	481.91	407.72	74.19	6.495		
6,900.00	6,385.88	6,890.19	6,526.90	45.59	41.63	-152.45	-1,725.68	1,186.54	489.96	414.64	75.32	6.505		
6,927.91	6,411.36	6,918.29	6,553.54	45.79	41.80	-152.64	-1,733.73	1,190.42	492.19	416.60	75.59	6.512		
6,950.00	6,431.59	6,940.45	6,574.64	45.95	41.92	-157.13	-1,740.11	1,192.62	493.95	418.17	75.78	6.518		
7,000.00	6,477.77	6,990.37	6,622.37	46.27	42.18	-168.29	-1,754.57	1,194.75	497.94	421.76	76.18	6.536		
7,050.00	6,524.26	7,040.00	6,669.81	46.56	42.40	179.64	-1,768.99	1,192.99	501.94	425.39	76.55	6.557		
7,100.00	6,570.76	7,089.34	6,716.69	46.81	42.58	167.52	-1,783.27	1,187.42	505.91	429.01	76.90	6.579		
7,150.00	6,617.00	7,138.41	6,762.76	47.02	42.74	156.25	-1,797.34	1,178.14	509.82	432.59	77.23	6.601		
7,200.00	6,662.68	7,187.21	6,807.75	47.20	42.88	146.40	-1,811.11	1,165.25	513.66	436.10	77.56	6.623		
7,250.00	6,707.53	7,235.76	6,851.44	47.34	43.00	138.12	-1,824.53	1,148.89	517.39	439.49	77.89	6.642		
7,300.00	6,751.28	7,284.07	6,893.59	47.47	43.10	131.30	-1,837.50	1,129.20	520.98	442.74	78.24	6.659		
7,350.00	6,793.64	7,332.16	6,934.00	47.57	43.21	125.71	-1,849.98	1,106.34	524.42	445.82	78.60	6.672		
7,400.00	6,834.35	7,380.04	6,972.47	47.66	43.31	121.12	-1,861.90	1,080.47	527.67	448.69	78.99	6.681		
7,450.00	6,873.18	7,427.73	7,008.83	47.75	43.41	117.34	-1,873.21	1,051.77	530.73	451.32	79.40	6.684		
7,500.00	6,909.88	7,475.23	7,042.89	47.83	43.52	114.20	-1,883.84	1,020.42	533.55	453.69	79.86	6.681		
7,550.00	6,944.21	7,522.58	7,074.51	47.91	43.63	111.59	-1,893.76	986.63	536.14	455.77	80.36	6.671		
7,600.00	6,975.98	7,569.77	7,103.55	47.99	43.75	109.40	-1,902.91	950.58	538.45	457.53	80.92	6.654		
7,650.00	7,004.98	7,616.83	7,129.87	48.09	43.89	107.59	-1,911.26	912.49	540.49	458.95	81.54	6.629		
7,700.00	7,031.04	7,663.77	7,153.37	48.20	44.05	106.08	-1,918.77	872.57	542.24	460.00	82.23	6.594		
7,750.00	7,053.99	7,710.61	7,173.94	48.32	44.22	104.84	-1,925.41	831.03	543.67	460.67	83.00	6.550		
7,800.00	7,073.70	7,757.35	7,191.50	48.46	44.42	103.85	-1,931.14	788.10	544.79	460.94	83.85	6.497		
7,850.00	7,090.03	7,804.01	7,205.97	48.62	44.63	103.07	-1,935.95	744.01	545.59	460.80	84.79	6.435		
7,900.00	7,102.90	7,850.62	7,217.30	48.81	44.88	102.49	-1,939.82	698.98	546.05	460.24	85.81	6.364		
7,950.00	7,112.22	7,897.18	7,225.44	49.02	45.15	102.10	-1,942.72	653.24	546.18	459.27	86.90	6.285		
8,000.00	7,117.94	7,943.70	7,230.35	49.26	45.45	101.88	-1,944.65	607.03	545.96	457.89	88.07	6.199		
8,047.82	7,120.00	7,988.38	7,232.03	49.51	45.77	101.85	-1,945.58	562.40	545.45	456.21	89.24	6.112		
8,100.00	7,120.42	8,040.56	7,232.45	49.82	46.19	101.86	-1,946.20	510.23	544.70	454.15	90.54	6.016		
8,200.00	7,121.24	8,140.54	7,233.26	50.53	47.11	101.89	-1,947.39	410.25	543.26	450.04	93.22	5.827		
8,300.00	7,122.05	8,240.53	7,234.06	51.39	48.21	101.93	-1,948.58	310.27	541.83	445.67	96.16	5.635		
8,400.00	7,122.86	8,340.52	7,234.87	52.42	49.49	101.96	-1,949.77	210.29	540.39	441.07	99.32	5.441		
8,500.00	7,123.68	8,440.51	7,235.68	53.63	50.94	101.99	-1,950.96	110.31	538.96	436.27	102.69	5.249		
8,600.00	7,124.49	8,540.50	7,236.49	55.01	52.53	102.02	-1,952.16	10.34	537.52	431.28	106.25	5.059		
8,700.00	7,125.30	8,640.49	7,237.29	56.54	54.26	102.05	-1,953.35	-89.64	536.09	426.11	109.97	4.875		

CC - Min centre 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-14C-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-14C-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 30C-14-S - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,800.00	7,126.12	8,740.48	7,238.10	58.21	56.10	102.09	-1,954.54	-189.62	534.65	420.80	113.85	4.696		
8,900.00	7,126.93	8,840.47	7,238.91	60.01	58.04	102.12	-1,955.73	-289.60	533.22	415.34	117.87	4.524		
9,000.00	7,127.75	8,940.46	7,239.72	61.92	60.07	102.15	-1,956.92	-389.58	531.78	409.77	122.01	4.358		
9,100.00	7,128.56	9,040.45	7,240.52	63.92	62.18	102.18	-1,958.11	-489.56	530.35	404.08	126.27	4.200		
9,200.00	7,129.37	9,140.44	7,241.33	66.01	64.35	102.22	-1,959.30	-589.54	528.91	398.29	130.62	4.049		
9,300.00	7,130.19	9,240.43	7,242.14	68.16	66.58	102.25	-1,960.49	-689.52	527.48	392.41	135.06	3.905		
9,400.00	7,131.00	9,340.42	7,242.95	70.38	68.87	102.28	-1,961.69	-789.50	526.04	386.45	139.59	3.768		
9,500.00	7,131.81	9,440.40	7,243.76	72.65	71.20	102.32	-1,962.88	-889.47	524.61	380.42	144.19	3.638		
9,600.00	7,132.63	9,540.39	7,244.56	74.97	73.56	102.35	-1,964.07	-989.45	523.18	374.32	148.86	3.515		
9,700.00	7,133.44	9,640.38	7,245.37	77.33	75.97	102.38	-1,965.26	-1,089.43	521.74	368.16	153.58	3.397		
9,800.00	7,134.25	9,740.37	7,246.18	79.72	78.41	102.42	-1,966.45	-1,189.41	520.31	361.94	158.37	3.285		
9,900.00	7,135.07	9,840.36	7,246.99	82.16	80.88	102.45	-1,967.64	-1,289.39	518.88	355.68	163.20	3.179		
10,000.00	7,135.88	9,940.35	7,247.79	84.62	83.37	102.49	-1,968.83	-1,389.37	517.45	349.37	168.08	3.079		
10,100.00	7,136.70	10,040.34	7,248.60	87.11	85.89	102.52	-1,970.03	-1,489.35	516.01	343.02	172.99	2.983		
10,200.00	7,137.51	10,140.33	7,249.41	89.62	88.43	102.55	-1,971.22	-1,589.33	514.58	336.63	177.95	2.892		
10,300.00	7,138.32	10,240.32	7,250.22	92.16	90.99	102.59	-1,972.41	-1,689.31	513.15	330.20	182.94	2.805		
10,400.00	7,139.14	10,340.31	7,251.02	94.71	93.57	102.62	-1,973.60	-1,789.28	511.72	323.75	187.97	2.722		
10,500.00	7,139.95	10,440.30	7,251.83	97.29	96.16	102.66	-1,974.79	-1,889.26	510.28	317.26	193.02	2.644		
10,600.00	7,140.76	10,540.29	7,252.64	99.88	98.77	102.70	-1,975.98	-1,989.24	508.85	310.75	198.10	2.569		
10,700.00	7,141.58	10,640.28	7,253.45	102.48	101.39	102.73	-1,977.17	-2,089.22	507.42	304.22	203.20	2.497		
10,800.00	7,142.39	10,740.26	7,254.26	105.10	104.03	102.77	-1,978.37	-2,189.20	505.99	297.66	208.33	2.429		
10,900.00	7,143.20	10,840.25	7,255.06	107.74	106.67	102.80	-1,979.56	-2,289.18	504.56	291.08	213.48	2.364		
11,000.00	7,144.02	10,940.24	7,255.87	110.38	109.33	102.84	-1,980.75	-2,389.16	503.13	284.48	218.65	2.301		
11,100.00	7,144.83	11,040.23	7,256.68	113.04	112.00	102.88	-1,981.94	-2,489.14	501.70	277.87	223.83	2.241		
11,200.00	7,145.65	11,140.22	7,257.49	115.71	114.68	102.91	-1,983.13	-2,589.12	500.27	271.23	229.03	2.184		
11,300.00	7,146.46	11,240.21	7,258.29	118.38	117.36	102.95	-1,984.32	-2,689.09	498.84	264.59	234.25	2.130		
11,400.00	7,147.27	11,340.20	7,259.10	121.07	120.06	102.99	-1,985.51	-2,789.07	497.41	257.93	239.48	2.077		
11,500.00	7,148.09	11,440.19	7,259.91	123.76	122.76	103.02	-1,986.71	-2,889.05	495.98	251.25	244.72	2.027		
11,600.00	7,148.90	11,540.18	7,260.72	126.46	125.47	103.06	-1,987.90	-2,989.03	494.55	244.57	249.98	1.978		
11,700.00	7,149.71	11,640.17	7,261.53	129.17	128.18	103.10	-1,989.09	-3,089.01	493.12	237.87	255.25	1.932		
11,800.00	7,150.53	11,740.16	7,262.33	131.89	130.90	103.14	-1,990.28	-3,188.99	491.69	231.17	260.52	1.887		
11,900.00	7,151.34	11,840.15	7,263.14	134.61	133.63	103.18	-1,991.47	-3,288.97	490.26	224.45	265.81	1.844		
12,000.00	7,152.16	11,940.14	7,263.95	137.34	136.36	103.22	-1,992.66	-3,388.95	488.83	217.72	271.11	1.803		
12,100.00	7,152.97	12,040.13	7,264.76	140.07	139.10	103.25	-1,993.85	-3,488.93	487.40	210.99	276.41	1.763		
12,200.00	7,153.78	12,140.11	7,265.56	142.81	141.84	103.29	-1,995.05	-3,588.90	485.97	204.25	281.72	1.725		
12,300.00	7,154.60	12,240.10	7,266.37	145.55	144.59	103.33	-1,996.24	-3,688.88	484.55	197.50	287.04	1.688		
12,400.00	7,155.41	12,340.09	7,267.18	148.30	147.34	103.37	-1,997.43	-3,788.86	483.12	190.75	292.37	1.652		
12,500.00	7,156.22	12,440.08	7,267.99	151.05	150.09	103.41	-1,998.62	-3,888.84	481.69	183.99	297.70	1.618		
12,600.00	7,157.04	12,540.07	7,268.79	153.80	152.85	103.45	-1,999.81	-3,988.82	480.26	177.22	303.04	1.585		
12,700.00	7,157.85	12,640.06	7,269.60	156.56	155.62	103.49	-2,001.00	-4,088.80	478.84	170.45	308.38	1.553		
12,800.00	7,158.66	12,740.05	7,270.41	159.33	158.38	103.53	-2,002.19	-4,188.78	477.41	163.68	313.73	1.522		
12,900.00	7,159.48	12,840.04	7,271.22	162.09	161.15	103.57	-2,003.38	-4,288.76	475.98	156.90	319.08	1.492 Level 3		
13,000.00	7,160.29	12,940.03	7,272.03	164.86	163.92	103.61	-2,004.58	-4,388.74	474.55	150.12	324.44	1.463 Level 3		
13,100.00	7,161.11	13,040.02	7,272.83	167.64	166.70	103.65	-2,005.77	-4,488.71	473.13	143.33	329.80	1.435 Level 3		
13,209.97	7,162.00	13,149.98	7,273.72	170.69	169.75	103.70	-2,007.08	-4,598.66	471.56	135.86	335.70	1.405 Level 3		
13,210.89	7,162.01	13,150.89	7,273.73	170.72	169.78	103.70	-2,007.09	-4,599.58	471.55	135.80	335.75	1.404 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	0.36	44.81	0.28	44.81					
100.00	100.00	100.00	100.00	3.28	3.28	0.36	44.81	0.28	44.81	38.24	6.57	6.820		
200.00	200.00	200.00	200.00	3.34	3.34	0.36	44.81	0.28	44.81	38.13	6.67	6.714 CC		
300.00	299.98	301.28	301.26	3.44	3.44	-151.06	43.35	1.32	44.91	38.02	6.89	6.519		
400.00	399.84	402.56	402.39	3.59	3.60	-150.29	38.99	4.45	45.22	38.01	7.21	6.272 ES		
500.00	499.45	503.82	503.25	3.79	3.80	-149.02	31.73	9.66	45.75	38.12	7.63	5.996		
600.00	598.70	605.08	603.73	4.04	4.05	-147.29	21.57	16.94	46.54	38.40	8.14	5.720		
700.00	697.47	706.31	703.68	4.32	4.34	-145.16	8.54	26.29	47.60	38.89	8.72	5.461		
800.00	795.62	807.52	802.98	4.64	4.67	-142.69	-7.34	37.68	48.98	39.62	9.36	5.232		
900.00	893.06	908.71	901.50	5.01	5.04	-139.95	-26.06	51.11	50.72	40.65	10.07	5.037		
1,000.00	989.64	1,009.86	999.11	5.41	5.46	-137.04	-47.59	66.55	52.85	42.01	10.84	4.876		
1,100.00	1,085.27	1,110.97	1,095.70	5.85	5.91	-134.02	-71.90	83.99	55.40	43.72	11.68	4.745		
1,200.00	1,179.82	1,211.82	1,190.94	6.33	6.40	-131.04	-98.83	103.30	58.44	45.86	12.58	4.644		
1,300.00	1,273.17	1,311.69	1,284.89	6.84	6.91	-129.96	-126.36	123.05	63.23	49.68	13.54	4.668		
1,404.90	1,369.69	1,416.31	1,383.30	7.43	7.47	-131.32	-155.20	143.73	70.68	56.10	14.58	4.847		
1,500.00	1,456.50	1,511.04	1,472.41	8.00	7.99	-133.34	-181.31	162.46	78.66	63.12	15.54	5.062		
1,600.00	1,547.79	1,610.64	1,566.11	8.61	8.55	-135.07	-208.77	182.16	87.13	70.57	16.56	5.261		
1,700.00	1,639.07	1,710.25	1,659.82	9.23	9.12	-136.49	-236.23	201.85	95.67	78.07	17.60	5.436		
1,800.00	1,730.36	1,809.86	1,753.52	9.87	9.70	-137.68	-263.69	221.54	104.25	85.60	18.65	5.590		
1,900.00	1,821.64	1,909.47	1,847.22	10.52	10.29	-138.68	-291.15	241.24	112.88	93.16	19.71	5.726		
2,000.00	1,912.93	2,009.08	1,940.93	11.18	10.88	-139.54	-318.60	260.93	121.53	100.74	20.79	5.847		
2,100.00	2,004.21	2,108.69	2,034.63	11.84	11.48	-140.29	-346.06	280.63	130.20	108.34	21.87	5.955		
2,200.00	2,095.50	2,208.30	2,128.33	12.51	12.08	-140.95	-373.52	300.32	138.90	115.95	22.95	6.051		
2,300.00	2,186.78	2,307.91	2,222.04	13.19	12.68	-141.52	-400.98	320.02	147.61	123.56	24.05	6.138		
2,400.00	2,278.06	2,407.52	2,315.74	13.86	13.29	-142.04	-428.44	339.71	156.33	131.19	25.15	6.217		
2,500.00	2,369.35	2,507.13	2,409.44	14.55	13.90	-142.50	-455.89	359.40	165.07	138.82	26.25	6.288		
2,600.00	2,460.63	2,606.74	2,503.14	15.23	14.51	-142.91	-483.35	379.10	173.81	146.46	27.36	6.353		
2,700.00	2,551.92	2,706.35	2,596.85	15.92	15.13	-143.28	-510.81	398.79	182.57	154.10	28.47	6.412		
2,800.00	2,643.20	2,805.96	2,690.55	16.61	15.74	-143.62	-538.27	418.49	191.33	161.74	29.59	6.467		
2,900.00	2,734.49	2,905.57	2,784.25	17.30	16.36	-143.93	-565.73	438.18	200.09	169.39	30.70	6.517		
3,000.00	2,825.77	3,005.18	2,877.96	18.00	16.98	-144.21	-593.18	457.88	208.86	177.04	31.83	6.563		
3,100.00	2,917.06	3,104.79	2,971.66	18.69	17.60	-144.47	-620.64	477.57	217.64	184.69	32.95	6.605		
3,200.00	3,008.34	3,204.40	3,065.36	19.39	18.22	-144.71	-648.10	497.26	226.42	192.34	34.08	6.645		
3,300.00	3,099.63	3,304.01	3,159.07	20.09	18.85	-144.94	-675.56	516.96	235.20	200.00	35.20	6.681		
3,400.00	3,190.91	3,403.62	3,252.77	20.79	19.47	-145.14	-703.01	536.65	243.99	207.66	36.33	6.715		
3,500.00	3,282.20	3,503.23	3,346.47	21.49	20.09	-145.33	-730.47	556.35	252.78	215.32	37.46	6.747		
3,600.00	3,373.48	3,602.83	3,440.17	22.19	20.72	-145.51	-757.93	576.04	261.57	222.98	38.60	6.777		
3,700.00	3,464.77	3,702.44	3,533.88	22.89	21.35	-145.68	-785.39	595.74	270.37	230.64	39.73	6.805		
3,800.00	3,556.05	3,802.05	3,627.58	23.60	21.97	-145.84	-812.85	615.43	279.17	238.30	40.87	6.831		
3,900.00	3,647.34	3,901.66	3,721.28	24.30	22.60	-145.98	-840.30	635.12	287.96	245.96	42.00	6.856		
4,000.00	3,738.62	4,001.27	3,814.99	25.00	23.23	-146.12	-867.76	654.82	296.76	253.62	43.14	6.879		
4,100.00	3,829.91	4,100.88	3,908.69	25.71	23.86	-146.25	-895.22	674.51	305.57	261.29	44.28	6.901		
4,200.00	3,921.19	4,200.49	4,002.39	26.42	24.49	-146.38	-922.68	694.21	314.37	268.95	45.42	6.921		
4,300.00	4,012.48	4,300.10	4,096.10	27.12	25.12	-146.49	-950.14	713.90	323.18	276.61	46.56	6.941		
4,400.00	4,103.76	4,400.29	4,189.80	27.83	25.75	-146.60	-977.59	733.60	331.98	284.28	47.71	6.959		
4,500.00	4,195.05	4,499.32	4,283.50	28.54	26.37	-146.71	-1,005.05	753.29	340.79	291.95	48.85	6.977		
4,600.00	4,286.33	4,601.07	4,377.20	29.24	27.02	-146.81	-1,032.51	772.98	349.60	299.60	50.00	6.992		
4,700.00	4,377.62	4,701.46	4,470.91	29.95	27.65	-146.90	-1,059.97	792.68	358.41	307.26	51.15	7.007		
4,800.00	4,468.90	4,801.85	4,564.61	30.66	28.29	-146.99	-1,087.43	812.37	367.22	314.92	52.30	7.022		
4,900.00	4,560.19	4,902.24	4,658.31	31.37	28.93	-147.08	-1,114.88	832.07	376.03	322.58	53.45	7.036		
5,000.00	4,651.47	5,002.63	4,752.02	32.08	29.56	-147.16	-1,142.34	851.76	384.84	330.25	54.60	7.049		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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			
5,100.00	4,742.76	5,103.02	4,845.72	32.79	30.20	-147.24	-1,169.80	871.45	393.66	337.91	55.75	7.062			
5,200.00	4,834.04	5,203.41	4,939.42	33.50	30.84	-147.31	-1,197.26	891.15	402.47	345.57	56.90	7.074			
5,300.00	4,925.33	5,296.20	5,033.12	34.21	31.43	-147.38	-1,224.72	910.84	411.28	353.28	58.01	7.090			
5,400.00	5,016.61	5,404.19	5,126.83	34.92	32.11	-147.45	-1,252.17	930.54	420.10	360.90	59.20	7.096			
5,500.00	5,107.90	5,495.42	5,220.53	35.63	32.69	-147.52	-1,279.63	950.23	428.91	368.61	60.30	7.113			
5,600.00	5,199.18	5,604.98	5,314.23	36.34	33.39	-147.58	-1,307.09	969.93	437.73	376.23	61.50	7.117			
5,700.00	5,290.46	5,694.63	5,407.94	37.05	33.96	-147.64	-1,334.55	989.62	446.55	383.95	62.60	7.134			
5,800.00	5,381.75	5,805.76	5,501.64	37.76	34.66	-147.70	-1,362.01	1,009.31	455.36	391.55	63.81	7.136			
5,900.00	5,473.03	5,893.85	5,595.34	38.47	35.22	-147.76	-1,389.46	1,029.01	464.18	399.29	64.89	7.153			
6,000.00	5,564.32	6,006.54	5,689.05	39.18	35.94	-147.81	-1,416.92	1,048.70	473.00	406.88	66.12	7.154			
6,100.00	5,655.60	6,106.93	5,782.75	39.90	36.58	-147.86	-1,444.38	1,068.40	481.82	414.55	67.27	7.162			
6,200.00	5,746.89	6,192.68	5,876.45	40.61	37.12	-147.91	-1,471.84	1,088.09	490.64	422.29	68.34	7.179			
6,300.00	5,838.17	6,307.71	5,970.15	41.32	37.86	-147.96	-1,499.30	1,107.79	499.46	429.88	69.58	7.178			
6,400.00	5,929.46	6,408.10	6,063.86	42.03	38.50	-148.01	-1,526.75	1,127.48	508.28	437.54	70.73	7.186			
6,500.00	6,020.74	6,508.49	6,157.56	42.74	39.13	-148.05	-1,554.21	1,147.17	517.09	445.21	71.89	7.193			
6,600.00	6,112.03	6,591.12	6,251.26	43.46	39.66	-148.09	-1,581.67	1,166.87	525.91	452.97	72.94	7.210			
6,700.00	6,203.31	6,691.65	6,345.86	44.17	40.30	-148.15	-1,609.39	1,186.59	534.72	460.63	74.10	7.217			
6,800.00	6,294.60	6,796.75	6,446.18	44.88	40.88	-149.36	-1,638.74	1,196.44	542.85	467.92	74.93	7.244			
6,900.00	6,385.88	6,895.80	6,540.96	45.59	41.28	-152.09	-1,666.39	1,189.88	550.83	475.54	75.29	7.316			
6,927.91	6,411.36	6,921.81	6,565.59	45.79	41.36	-153.04	-1,673.56	1,185.62	553.30	477.96	75.34	7.344			
6,950.00	6,431.59	6,941.96	6,584.54	45.95	41.42	-158.13	-1,679.08	1,181.60	555.39	480.02	75.36	7.370			
7,000.00	6,477.77	6,986.75	6,626.19	46.27	41.54	-170.61	-1,691.20	1,170.44	560.57	485.15	75.42	7.433			
7,050.00	6,524.26	7,030.50	6,666.05	46.56	41.65	176.03	-1,702.78	1,156.62	566.31	490.83	75.48	7.503			
7,100.00	6,570.76	7,073.33	6,704.09	46.81	41.75	162.67	-1,713.82	1,140.37	572.51	496.98	75.53	7.580			
7,150.00	6,617.00	7,115.33	6,740.30	47.02	41.85	150.22	-1,724.31	1,121.88	579.09	503.52	75.57	7.663			
7,200.00	6,662.68	7,156.58	6,774.65	47.20	41.94	139.23	-1,734.25	1,101.34	585.93	510.34	75.59	7.751			
7,250.00	6,707.53	7,197.15	6,807.13	47.34	42.03	129.88	-1,743.64	1,078.91	592.95	517.34	75.60	7.843			
7,300.00	6,751.28	7,237.13	6,837.73	47.47	42.12	122.05	-1,752.46	1,054.76	600.04	524.43	75.60	7.937			
7,350.00	6,793.64	7,276.58	6,866.44	47.57	42.22	115.52	-1,760.73	1,029.01	607.10	531.51	75.59	8.031			
7,400.00	6,834.35	7,315.54	6,893.25	47.66	42.32	110.05	-1,768.44	1,001.81	614.06	538.47	75.59	8.124			
7,450.00	6,873.18	7,354.08	6,918.14	47.75	42.43	105.45	-1,775.58	973.28	620.83	545.23	75.60	8.212			
7,500.00	6,909.88	7,392.25	6,941.12	47.83	42.54	101.57	-1,782.16	943.53	627.33	551.67	75.65	8.292			
7,550.00	6,944.21	7,430.08	6,962.17	47.91	42.67	98.28	-1,788.17	912.68	633.48	557.71	75.76	8.361			
7,600.00	6,975.98	7,467.62	6,981.28	47.99	42.81	95.49	-1,793.61	880.84	639.22	563.27	75.95	8.417			
7,650.00	7,004.98	7,504.90	6,998.45	48.09	42.97	93.13	-1,798.48	848.11	644.50	568.27	76.23	8.455			
7,700.00	7,031.04	7,541.97	7,013.67	48.20	43.14	91.14	-1,802.77	814.59	649.26	572.63	76.63	8.473			
7,750.00	7,053.99	7,578.85	7,026.93	48.32	43.32	89.48	-1,806.49	780.38	653.45	576.29	77.16	8.469			
7,800.00	7,073.70	7,615.57	7,038.22	48.46	43.52	88.13	-1,809.63	745.58	657.04	579.21	77.83	8.442			
7,850.00	7,090.03	7,650.00	7,047.04	48.62	43.72	87.07	-1,812.06	712.40	660.00	581.33	78.67	8.390			
7,900.00	7,102.90	7,688.67	7,054.88	48.81	43.98	86.24	-1,814.18	674.59	662.28	582.65	79.63	8.317			
7,950.00	7,112.22	7,725.10	7,060.24	49.02	44.23	85.68	-1,815.58	638.59	663.89	583.13	80.76	8.221			
8,000.00	7,117.94	7,761.49	7,063.61	49.26	44.50	85.35	-1,816.40	602.38	664.80	582.78	82.02	8.106			
8,047.82	7,120.00	7,803.60	7,064.97	49.51	44.84	85.25	-1,816.65	568.78	665.00	581.54	83.47	7.967			
8,100.00	7,120.42	7,847.29	7,065.40	49.82	45.24	85.25	-1,816.54	516.61	664.97	580.29	84.67	7.853			
8,200.00	7,121.24	7,947.29	7,066.22	50.53	46.24	85.25	-1,816.33	416.61	664.90	577.52	87.39	7.609			
8,300.00	7,122.05	8,047.29	7,067.05	51.39	47.42	85.25	-1,816.12	316.62	664.84	574.46	90.38	7.356			
8,400.00	7,122.86	8,147.29	7,067.88	52.42	48.78	85.25	-1,815.91	216.62	664.77	571.15	93.62	7.101			
8,500.00	7,123.68	8,247.29	7,068.70	53.63	50.29	85.26	-1,815.70	116.62	664.70	567.61	97.09	6.846			
8,600.00	7,124.49	8,347.29	7,069.53	55.01	51.95	85.26	-1,815.49	16.63	664.64	563.87	100.76	6.596			
8,700.00	7,125.30	8,447.29	7,070.35	56.54	53.73	85.26	-1,815.28	-83.37	664.57	559.95	104.62	6.352			

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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,800.00	7,126.12	8,547.29	7,071.18	58.21	55.62	85.26	-1,815.07	-183.37	664.50	555.86	108.64	6.117		
8,900.00	7,126.93	8,647.29	7,072.01	60.01	57.60	85.26	-1,814.86	-283.36	664.44	551.63	112.81	5.890		
9,000.00	7,127.75	8,747.29	7,072.83	61.92	59.67	85.26	-1,814.66	-383.36	664.37	547.27	117.10	5.674		
9,100.00	7,128.56	8,847.29	7,073.66	63.92	61.81	85.26	-1,814.45	-483.36	664.31	542.80	121.51	5.467		
9,200.00	7,129.37	8,947.29	7,074.48	66.01	64.01	85.26	-1,814.24	-583.35	664.24	538.21	126.03	5.271		
9,300.00	7,130.19	9,047.29	7,075.31	68.16	66.28	85.26	-1,814.03	-683.35	664.17	533.54	130.63	5.084		
9,400.00	7,131.00	9,147.29	7,076.13	70.38	68.59	85.26	-1,813.82	-783.34	664.11	528.78	135.33	4.907		
9,500.00	7,131.81	9,247.29	7,076.96	72.65	70.94	85.26	-1,813.61	-883.34	664.04	523.95	140.09	4.740		
9,600.00	7,132.63	9,347.29	7,077.79	74.97	73.33	85.26	-1,813.40	-983.34	663.97	519.05	144.93	4.581		
9,700.00	7,133.44	9,447.29	7,078.61	77.33	75.76	85.26	-1,813.19	-1,083.33	663.91	514.09	149.82	4.431		
9,800.00	7,134.25	9,547.29	7,079.44	79.72	78.22	85.26	-1,812.98	-1,183.33	663.84	509.07	154.77	4.289		
9,900.00	7,135.07	9,647.29	7,080.26	82.16	80.71	85.26	-1,812.77	-1,283.33	663.78	504.00	159.78	4.154		
10,000.00	7,135.88	9,747.29	7,081.09	84.62	83.22	85.26	-1,812.56	-1,383.32	663.71	498.89	164.82	4.027		
10,100.00	7,136.70	9,847.29	7,081.92	87.11	85.76	85.26	-1,812.35	-1,483.32	663.64	493.73	169.91	3.906		
10,200.00	7,137.51	9,947.29	7,082.74	89.62	88.32	85.27	-1,812.15	-1,583.31	663.58	488.54	175.04	3.791		
10,300.00	7,138.32	10,047.29	7,083.57	92.16	90.89	85.27	-1,811.94	-1,683.31	663.51	483.31	180.20	3.682		
10,400.00	7,139.14	10,147.29	7,084.39	94.71	93.48	85.27	-1,811.73	-1,783.31	663.44	478.05	185.40	3.579		
10,500.00	7,139.95	10,247.29	7,085.22	97.29	96.09	85.27	-1,811.52	-1,883.30	663.38	472.76	190.62	3.480		
10,600.00	7,140.76	10,347.29	7,086.05	99.88	98.72	85.27	-1,811.31	-1,983.30	663.31	467.44	195.87	3.387		
10,700.00	7,141.58	10,447.29	7,086.87	102.48	101.35	85.27	-1,811.10	-2,083.30	663.25	462.10	201.14	3.297		
10,800.00	7,142.39	10,547.29	7,087.70	105.10	104.00	85.27	-1,810.89	-2,183.29	663.18	456.74	206.44	3.212		
10,900.00	7,143.20	10,647.29	7,088.52	107.74	106.66	85.27	-1,810.68	-2,283.29	663.11	451.35	211.76	3.131		
11,000.00	7,144.02	10,747.29	7,089.35	110.38	109.34	85.27	-1,810.47	-2,383.29	663.05	445.95	217.10	3.054		
11,100.00	7,144.83	10,847.29	7,090.17	113.04	112.02	85.27	-1,810.26	-2,483.28	662.98	440.52	222.46	2.980		
11,200.00	7,145.65	10,947.29	7,091.00	115.71	114.71	85.27	-1,810.05	-2,583.28	662.91	435.09	227.83	2.910		
11,300.00	7,146.46	11,047.29	7,091.83	118.38	117.40	85.27	-1,809.84	-2,683.27	662.85	429.63	233.22	2.842		
11,400.00	7,147.27	11,147.29	7,092.65	121.07	120.11	85.27	-1,809.64	-2,783.27	662.78	424.16	238.62	2.778		
11,500.00	7,148.09	11,247.29	7,093.48	123.76	122.82	85.27	-1,809.43	-2,883.27	662.72	418.67	244.04	2.716		
11,600.00	7,148.90	11,347.29	7,094.30	126.46	125.54	85.27	-1,809.22	-2,983.26	662.65	413.18	249.47	2.656		
11,700.00	7,149.71	11,447.29	7,095.13	129.17	128.27	85.27	-1,809.01	-3,083.26	662.58	407.67	254.91	2.599		
11,800.00	7,150.53	11,547.29	7,095.96	131.89	131.00	85.27	-1,808.80	-3,183.26	662.52	402.15	260.37	2.545		
11,900.00	7,151.34	11,647.29	7,096.78	134.61	133.74	85.28	-1,808.59	-3,283.25	662.45	396.62	265.83	2.492		
12,000.00	7,152.16	11,747.29	7,097.61	137.34	136.48	85.28	-1,808.38	-3,383.25	662.38	391.08	271.31	2.441		
12,100.00	7,152.97	11,847.29	7,098.43	140.07	139.22	85.28	-1,808.17	-3,483.25	662.32	385.53	276.79	2.393		
12,200.00	7,153.78	11,947.29	7,099.26	142.81	141.98	85.28	-1,807.96	-3,583.24	662.25	379.97	282.28	2.346		
12,300.00	7,154.60	12,047.29	7,100.09	145.55	144.73	85.28	-1,807.75	-3,683.24	662.18	374.40	287.78	2.301		
12,400.00	7,155.41	12,147.29	7,100.91	148.30	147.49	85.28	-1,807.54	-3,783.23	662.12	368.83	293.29	2.258		
12,500.00	7,156.22	12,247.29	7,101.74	151.05	150.26	85.28	-1,807.33	-3,883.23	662.05	363.24	298.81	2.216		
12,600.00	7,157.04	12,347.29	7,102.56	153.80	153.02	85.28	-1,807.13	-3,983.23	661.99	357.65	304.33	2.175		
12,700.00	7,157.85	12,447.29	7,103.39	156.56	155.79	85.28	-1,806.92	-4,083.22	661.92	352.06	309.86	2.136		
12,800.00	7,158.66	12,547.29	7,104.21	159.33	158.57	85.28	-1,806.71	-4,183.22	661.85	346.46	315.40	2.098		
12,900.00	7,159.48	12,647.29	7,105.04	162.09	161.35	85.28	-1,806.50	-4,283.22	661.79	340.85	320.94	2.062		
13,000.00	7,160.29	12,747.29	7,105.87	164.86	164.13	85.28	-1,806.29	-4,383.21	661.72	335.23	326.49	2.027		
13,100.00	7,161.11	12,847.29	7,106.69	167.64	166.91	85.28	-1,806.08	-4,483.21	661.65	329.62	332.04	1.993		
13,209.97	7,162.00	12,957.26	7,107.60	170.69	169.97	85.28	-1,805.85	-4,593.17	661.58	323.43	338.15	1.956		
13,210.89	7,162.01	12,958.18	7,107.61	170.72	170.00	85.28	-1,805.85	-4,594.09	661.58	323.38	338.20	1.956 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-179.47	-30.24	-0.28	30.24					
100.00	100.00	100.00	100.00	3.28	3.28	-179.47	-30.24	-0.28	30.24	23.67	6.57	4.604		
200.00	200.00	200.00	200.00	3.34	3.34	-179.47	-30.24	-0.28	30.24	23.57	6.67	4.531		
300.00	299.98	299.98	299.98	3.44	3.44	30.54	-30.24	-0.28	28.73	21.84	6.89	4.172		
400.00	399.84	399.09	399.07	3.59	3.59	34.70	-31.80	0.44	25.82	18.63	7.19	3.591		
500.00	499.45	498.33	498.17	3.79	3.79	40.31	-36.47	2.61	23.20	15.61	7.59	3.056		
600.00	598.70	597.68	597.14	4.04	4.02	47.71	-44.26	6.22	20.98	12.91	8.07	2.599		
700.00	697.47	697.15	695.88	4.32	4.28	57.07	-55.18	11.29	19.35	10.73	8.62	2.245		
800.00	795.62	796.74	794.26	4.64	4.58	68.09	-69.21	17.80	18.51	9.27	9.24	2.003		
841.07	835.74	837.69	834.53	4.79	4.72	72.91	-75.88	20.89	18.42	8.91	9.51	1.936 CC		
900.00	893.06	896.46	892.16	5.01	4.92	79.86	-86.37	25.75	18.59	8.66	9.93	1.873 ES		
1,000.00	989.64	996.29	989.46	5.41	5.29	91.08	-106.63	35.15	19.65	8.95	10.70	1.836		
1,100.00	1,085.27	1,096.25	1,086.04	5.85	5.70	100.74	-129.98	45.98	21.57	10.02	11.55	1.868		
1,200.00	1,179.82	1,196.33	1,181.78	6.33	6.14	108.49	-156.41	58.24	24.20	11.74	12.46	1.942		
1,300.00	1,273.17	1,296.53	1,276.55	6.84	6.62	114.45	-185.90	71.91	27.35	13.93	13.42	2.038		
1,404.90	1,369.69	1,401.76	1,374.80	7.43	7.16	119.14	-220.08	87.76	31.10	16.61	14.49	2.146		
1,500.00	1,456.50	1,497.31	1,462.76	8.00	7.69	120.11	-253.94	103.46	33.98	18.45	15.53	2.189		
1,600.00	1,547.79	1,597.78	1,553.85	8.61	8.28	116.06	-292.39	121.29	35.55	18.81	16.73	2.124		
1,700.00	1,639.07	1,702.12	1,643.24	9.23	8.94	107.73	-333.25	140.24	36.36	18.27	18.09	2.010		
1,800.00	1,730.36	1,802.28	1,732.17	9.87	9.60	99.19	-374.41	159.33	37.85	18.39	19.46	1.945		
1,900.00	1,821.64	1,902.45	1,821.10	10.52	10.27	91.45	-415.57	178.42	40.10	19.32	20.78	1.930		
2,000.00	1,912.93	2,002.61	1,910.03	11.18	10.95	84.63	-456.73	197.51	43.01	20.95	22.06	1.949		
2,100.00	2,004.21	2,097.23	1,998.96	11.84	11.61	78.75	-497.89	216.60	46.44	23.19	23.26	1.997		
2,200.00	2,095.50	2,197.06	2,087.89	12.51	12.31	73.72	-539.05	235.69	50.30	25.85	24.45	2.057		
2,300.00	2,186.78	2,303.10	2,176.82	13.19	13.07	69.44	-580.21	254.77	54.49	28.82	25.67	2.123		
2,400.00	2,278.06	2,403.27	2,265.75	13.86	13.79	65.78	-621.37	273.86	58.93	32.11	26.82	2.197		
2,500.00	2,369.35	2,496.57	2,354.68	14.55	14.46	62.65	-662.53	292.95	63.58	35.67	27.92	2.277		
2,600.00	2,460.63	2,603.60	2,443.61	15.23	15.24	59.95	-703.69	312.04	68.40	39.29	29.11	2.350		
2,700.00	2,551.92	2,703.76	2,532.54	15.92	15.97	57.61	-744.85	331.13	73.35	43.10	30.25	2.425		
2,800.00	2,643.20	2,796.08	2,621.48	16.61	16.65	55.56	-786.01	350.22	78.40	47.07	31.33	2.502		
2,900.00	2,734.49	2,895.91	2,710.41	17.30	17.39	53.77	-827.17	369.31	83.54	51.07	32.47	2.573		
3,000.00	2,825.77	2,995.75	2,799.34	18.00	18.13	52.19	-868.33	388.39	88.76	55.14	33.62	2.640		
3,100.00	2,917.06	3,104.42	2,888.27	18.69	18.94	50.78	-909.49	407.48	94.03	59.21	34.82	2.700		
3,200.00	3,008.34	3,204.58	2,977.20	19.39	19.68	49.52	-950.65	426.57	99.36	63.38	35.97	2.762		
3,300.00	3,099.63	3,295.25	3,066.13	20.09	20.36	48.39	-991.81	445.66	104.72	67.66	37.07	2.825		
3,400.00	3,190.91	3,404.91	3,155.06	20.79	21.18	47.37	-1,032.97	464.75	110.13	71.84	38.29	2.876		
3,500.00	3,282.20	3,505.08	3,243.99	21.49	21.93	46.45	-1,074.13	483.84	115.56	76.11	39.45	2.929		
3,600.00	3,373.48	3,594.76	3,332.92	22.19	22.61	45.61	-1,115.29	502.92	121.03	80.48	40.55	2.985		
3,700.00	3,464.77	3,705.40	3,421.85	22.89	23.44	44.84	-1,156.45	522.01	126.51	84.73	41.78	3.028		
3,800.00	3,556.05	3,794.43	3,510.78	23.60	24.11	44.14	-1,197.61	541.10	132.02	89.14	42.88	3.079		
3,900.00	3,647.34	3,894.27	3,599.71	24.30	24.86	43.49	-1,238.77	560.19	137.55	93.50	44.05	3.122		
4,000.00	3,738.62	3,994.10	3,688.64	25.00	25.62	42.90	-1,279.93	579.28	143.09	97.86	45.22	3.164		
4,100.00	3,829.91	4,106.06	3,777.57	25.71	26.47	42.34	-1,321.09	598.37	148.64	102.17	46.48	3.198		
4,200.00	3,921.19	4,206.23	3,866.50	26.42	27.22	41.83	-1,362.25	617.46	154.21	106.56	47.66	3.236		
4,300.00	4,012.48	4,306.39	3,955.43	27.12	27.98	41.36	-1,403.41	636.54	159.79	110.96	48.84	3.272		
4,400.00	4,103.76	4,406.55	4,044.36	27.83	28.74	40.91	-1,444.57	655.63	165.38	115.36	50.02	3.306		
4,500.00	4,195.05	4,506.72	4,133.29	28.54	29.50	40.50	-1,485.73	674.72	170.98	119.78	51.21	3.339		
4,600.00	4,286.33	4,606.88	4,222.22	29.24	30.27	40.11	-1,526.89	693.81	176.59	124.20	52.39	3.371		
4,700.00	4,377.62	4,707.05	4,311.15	29.95	31.03	39.74	-1,568.05	712.90	182.21	128.63	53.58	3.401		
4,800.00	4,468.90	4,792.79	4,400.08	30.66	31.68	39.40	-1,609.21	731.99	187.83	133.15	54.68	3.435		
4,900.00	4,560.19	4,907.38	4,489.02	31.37	32.55	39.07	-1,650.37	751.07	193.46	137.50	55.96	3.457		

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-14C-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-14C-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			
5,000.00	4,651.47	5,007.54	4,577.95	32.08	33.31	38.77	-1,691.53	770.16	199.09	141.94	57.15	3.484			
5,100.00	4,742.76	5,107.70	4,666.88	32.79	34.08	38.48	-1,732.69	789.25	204.74	146.39	58.34	3.509			
5,200.00	4,834.04	5,207.87	4,755.81	33.50	34.84	38.21	-1,773.85	808.34	210.38	150.84	59.54	3.534			
5,300.00	4,925.33	5,291.97	4,844.74	34.21	35.48	37.95	-1,815.01	827.43	216.03	155.40	60.63	3.563			
5,400.00	5,016.61	5,391.80	4,933.67	34.92	36.24	37.70	-1,856.17	846.52	221.68	159.86	61.82	3.586			
5,500.00	5,107.90	5,508.36	5,022.60	35.63	37.13	37.47	-1,897.33	865.60	227.34	164.22	63.12	3.601			
5,600.00	5,199.18	5,591.47	5,111.53	36.34	37.77	37.25	-1,938.49	884.69	233.00	168.79	64.21	3.629			
5,700.00	5,290.46	5,691.31	5,200.46	37.05	38.53	37.04	-1,979.65	903.78	238.67	173.26	65.41	3.649			
5,800.00	5,381.75	5,808.86	5,289.39	37.76	39.43	36.84	-2,020.81	922.87	244.33	177.62	66.72	3.662			
5,900.00	5,473.03	5,909.02	5,378.32	38.47	40.19	36.64	-2,061.97	941.96	250.01	182.09	67.92	3.681			
6,000.00	5,564.32	6,009.18	5,467.25	39.18	40.96	36.46	-2,103.13	961.05	255.68	186.56	69.12	3.699			
6,100.00	5,655.60	6,109.35	5,556.18	39.90	41.73	36.28	-2,144.29	980.14	261.35	191.03	70.32	3.717			
6,200.00	5,746.89	6,209.51	5,645.11	40.61	42.49	36.12	-2,185.45	999.22	267.03	195.51	71.52	3.734			
6,300.00	5,838.17	6,290.32	5,734.04	41.32	43.11	35.95	-2,226.61	1,018.31	272.71	200.11	72.60	3.756			
6,400.00	5,929.46	6,409.84	5,822.97	42.03	44.03	35.80	-2,267.77	1,037.40	278.39	204.47	73.92	3.766			
6,500.00	6,020.74	6,489.99	5,911.90	42.74	44.64	35.65	-2,308.93	1,056.49	284.08	209.08	75.00	3.788			
6,600.00	6,112.03	6,589.83	6,000.83	43.46	45.40	35.51	-2,350.09	1,075.58	289.76	213.56	76.20	3.803			
6,700.00	6,203.31	6,689.67	6,089.76	44.17	46.17	35.37	-2,391.26	1,094.67	295.45	218.05	77.40	3.817			
6,800.00	6,294.60	6,789.50	6,178.69	44.88	46.93	35.24	-2,432.42	1,113.75	301.14	222.54	78.61	3.831			
6,900.00	6,385.88	6,889.34	6,267.62	45.59	47.70	35.11	-2,473.58	1,132.84	306.83	227.02	79.81	3.845			
6,927.91	6,411.36	6,917.20	6,292.45	45.79	47.91	35.08	-2,485.06	1,138.17	308.42	228.28	80.14	3.848			
6,950.00	6,431.59	6,939.25	6,312.09	45.95	48.08	30.96	-2,494.15	1,142.39	309.62	229.24	80.39	3.852			
7,000.00	6,477.77	6,989.03	6,356.43	46.27	48.46	20.10	-2,514.68	1,151.90	311.94	231.19	80.75	3.863			
7,050.00	6,524.26	7,038.37	6,400.38	46.56	48.84	7.59	-2,535.02	1,161.34	313.84	232.95	80.88	3.880			
7,100.00	6,570.76	7,086.97	6,443.67	46.81	49.21	-5.64	-2,555.05	1,170.63	315.58	234.78	80.80	3.906			
7,150.00	6,617.00	7,134.53	6,486.03	47.02	49.58	-18.60	-2,574.66	1,179.72	317.56	237.03	80.53	3.943			
7,200.00	6,662.68	7,180.76	6,527.21	47.20	49.93	-30.60	-2,593.72	1,188.56	320.30	240.14	80.16	3.996			
7,250.00	6,707.53	7,226.69	6,568.24	47.34	50.27	-41.36	-2,612.71	1,196.69	324.33	244.53	79.80	4.064			
7,300.00	6,751.28	7,274.41	6,611.28	47.47	50.60	-50.69	-2,632.61	1,201.90	329.77	250.12	79.65	4.140			
7,350.00	6,793.64	7,323.92	6,656.20	47.57	50.91	-58.74	-2,653.35	1,203.52	336.56	256.86	79.69	4.223			
7,400.00	6,834.35	7,375.46	6,702.93	47.66	51.19	-65.74	-2,674.92	1,201.13	344.57	264.70	79.87	4.314			
7,450.00	6,873.18	7,429.27	6,751.38	47.75	51.43	-71.87	-2,697.25	1,194.20	353.65	273.59	80.06	4.417			
7,500.00	6,909.88	7,485.63	6,801.37	47.83	51.64	-77.27	-2,720.26	1,182.14	363.61	283.47	80.14	4.537			
7,550.00	6,944.21	7,544.83	6,852.62	47.91	51.82	-82.05	-2,743.83	1,164.29	374.21	294.21	80.00	4.678			
7,600.00	6,975.98	7,607.16	6,904.73	47.99	51.97	-86.29	-2,767.76	1,139.91	385.20	305.68	79.52	4.844			
7,650.00	7,004.98	7,672.91	6,957.09	48.09	52.08	-90.06	-2,791.77	1,108.26	396.29	317.62	78.67	5.038			
7,700.00	7,031.04	7,742.34	7,008.86	48.20	52.19	-93.38	-2,815.46	1,068.58	407.16	329.72	77.45	5.257			
7,750.00	7,053.99	7,815.63	7,058.92	48.32	52.28	-96.28	-2,838.32	1,020.24	417.50	341.53	75.97	5.495			
7,800.00	7,073.70	7,892.84	7,105.85	48.46	52.38	-98.75	-2,859.68	962.83	426.97	352.49	74.48	5.733			
7,850.00	7,090.03	7,973.86	7,147.94	48.62	52.50	-100.80	-2,878.76	896.36	435.23	361.91	73.32	5.936			
7,900.00	7,102.90	8,058.34	7,183.32	48.81	52.66	-102.41	-2,894.70	821.38	441.97	369.03	72.93	6.060			
7,950.00	7,112.22	8,145.70	7,210.11	49.02	52.87	-103.55	-2,906.63	739.16	446.90	373.18	73.72	6.062			
8,000.00	7,117.94	8,235.08	7,226.69	49.26	53.15	-104.22	-2,913.83	651.71	449.82	373.91	75.92	5.925			
8,047.82	7,120.00	8,319.68	7,232.01	49.51	53.48	-104.39	-2,915.84	567.36	450.61	371.47	79.15	5.693			
8,100.00	7,120.42	8,371.85	7,232.32	49.82	53.72	-104.38	-2,915.70	515.19	450.59	370.20	80.39	5.605			
8,200.00	7,121.24	8,471.85	7,232.90	50.53	54.27	-104.35	-2,915.44	415.19	450.55	367.55	83.00	5.428			
8,300.00	7,122.05	8,571.85	7,233.48	51.39	54.93	-104.32	-2,915.18	315.19	450.50	364.61	85.89	5.245			
8,400.00	7,122.86	8,671.85	7,234.06	52.42	55.74	-104.29	-2,914.92	215.19	450.46	361.42	89.04	5.059			
8,500.00	7,123.68	8,771.85	7,234.64	53.63	56.71	-104.26	-2,914.66	115.20	450.41	358.00	92.41	4.874			
8,600.00	7,124.49	8,871.85	7,235.22	55.01	57.84	-104.23	-2,914.40	15.20	450.37	354.37	95.99	4.692			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	7,125.30	8,971.85	7,235.80	56.54	59.14	-104.20	-2,914.13	-84.80	450.33	350.56	99.76	4.514		
8,800.00	7,126.12	9,071.85	7,236.38	58.21	60.61	-104.18	-2,913.87	-184.80	450.28	346.59	103.70	4.342		
8,900.00	7,126.93	9,171.85	7,236.96	60.01	62.22	-104.15	-2,913.61	-284.79	450.24	342.46	107.77	4.178		
9,000.00	7,127.75	9,271.85	7,237.55	61.92	63.96	-104.12	-2,913.35	-384.79	450.19	338.21	111.99	4.020		
9,100.00	7,128.56	9,371.85	7,238.13	63.92	65.82	-104.09	-2,913.09	-484.79	450.15	333.84	116.31	3.870		
9,200.00	7,129.37	9,471.85	7,238.71	66.01	67.78	-104.06	-2,912.83	-584.79	450.11	329.36	120.75	3.728		
9,300.00	7,130.19	9,571.85	7,239.29	68.16	69.83	-104.03	-2,912.57	-684.79	450.06	324.79	125.27	3.593		
9,400.00	7,131.00	9,671.85	7,239.87	70.38	71.95	-104.00	-2,912.31	-784.78	450.02	320.14	129.88	3.465		
9,500.00	7,131.81	9,771.85	7,240.45	72.65	74.14	-103.97	-2,912.05	-884.78	449.98	315.41	134.57	3.344		
9,600.00	7,132.63	9,871.85	7,241.03	74.97	76.38	-103.94	-2,911.78	-984.78	449.93	310.61	139.32	3.230		
9,700.00	7,133.44	9,971.85	7,241.61	77.33	78.68	-103.91	-2,911.52	-1,084.78	449.89	305.76	144.13	3.121		
9,800.00	7,134.25	10,071.85	7,242.19	79.72	81.02	-103.88	-2,911.26	-1,184.77	449.85	300.84	149.00	3.019		
9,900.00	7,135.07	10,171.85	7,242.77	82.16	83.40	-103.85	-2,911.00	-1,284.77	449.80	295.88	153.93	2.922		
10,000.00	7,135.88	10,271.85	7,243.36	84.62	85.81	-103.83	-2,910.74	-1,384.77	449.76	290.87	158.89	2.831		
10,100.00	7,136.70	10,371.85	7,243.94	87.11	88.25	-103.80	-2,910.48	-1,484.77	449.72	285.82	163.90	2.744		
10,200.00	7,137.51	10,471.85	7,244.52	89.62	90.73	-103.77	-2,910.22	-1,584.77	449.68	280.73	168.95	2.662		
10,300.00	7,138.32	10,571.85	7,245.10	92.16	93.23	-103.74	-2,909.96	-1,684.76	449.64	275.61	174.03	2.584		
10,400.00	7,139.14	10,671.85	7,245.68	94.71	95.75	-103.71	-2,909.69	-1,784.76	449.59	270.45	179.14	2.510		
10,500.00	7,139.95	10,771.85	7,246.26	97.29	98.29	-103.68	-2,909.43	-1,884.76	449.55	265.26	184.29	2.439		
10,600.00	7,140.76	10,871.85	7,246.84	99.88	100.85	-103.65	-2,909.17	-1,984.76	449.51	260.05	189.46	2.373		
10,700.00	7,141.58	10,971.85	7,247.42	102.48	103.43	-103.62	-2,908.91	-2,084.75	449.47	254.81	194.65	2.309		
10,800.00	7,142.39	11,071.85	7,248.00	105.10	106.03	-103.59	-2,908.65	-2,184.75	449.43	249.55	199.87	2.249		
10,900.00	7,143.20	11,171.84	7,248.59	107.74	108.64	-103.56	-2,908.39	-2,284.75	449.38	244.27	205.12	2.191		
11,000.00	7,144.02	11,271.84	7,249.17	110.38	111.26	-103.53	-2,908.13	-2,384.75	449.34	238.97	210.38	2.136		
11,100.00	7,144.83	11,371.84	7,249.75	113.04	113.89	-103.50	-2,907.87	-2,484.74	449.30	233.65	215.66	2.083		
11,200.00	7,145.65	11,471.84	7,250.33	115.71	116.54	-103.47	-2,907.60	-2,584.74	449.26	228.31	220.95	2.033		
11,300.00	7,146.46	11,571.84	7,250.91	118.38	119.20	-103.45	-2,907.34	-2,684.74	449.22	222.95	226.27	1.985		
11,400.00	7,147.27	11,671.84	7,251.49	121.07	121.87	-103.42	-2,907.08	-2,784.74	449.18	217.58	231.60	1.939		
11,500.00	7,148.09	11,771.84	7,252.07	123.76	124.54	-103.39	-2,906.82	-2,884.74	449.14	212.20	236.94	1.896		
11,600.00	7,148.90	11,871.84	7,252.65	126.46	127.23	-103.36	-2,906.56	-2,984.73	449.10	206.80	242.30	1.854		
11,700.00	7,149.71	11,971.84	7,253.23	129.17	129.92	-103.33	-2,906.30	-3,084.73	449.06	201.39	247.67	1.813		
11,800.00	7,150.53	12,071.84	7,253.81	131.89	132.62	-103.30	-2,906.04	-3,184.73	449.02	195.97	253.05	1.774		
11,900.00	7,151.34	12,171.84	7,254.40	134.61	135.33	-103.27	-2,905.78	-3,284.73	448.98	190.54	258.44	1.737		
12,000.00	7,152.16	12,271.84	7,254.98	137.34	138.04	-103.24	-2,905.51	-3,384.72	448.93	185.09	263.84	1.702		
12,100.00	7,152.97	12,371.84	7,255.56	140.07	140.76	-103.21	-2,905.25	-3,484.72	448.89	179.64	269.26	1.667		
12,200.00	7,153.78	12,471.84	7,256.14	142.81	143.49	-103.18	-2,904.99	-3,584.72	448.85	174.18	274.68	1.634		
12,300.00	7,154.60	12,571.84	7,256.72	145.55	146.22	-103.15	-2,904.73	-3,684.72	448.81	168.70	280.11	1.602		
12,400.00	7,155.41	12,671.84	7,257.30	148.30	148.96	-103.12	-2,904.47	-3,784.71	448.78	163.22	285.55	1.572		
12,500.00	7,156.22	12,771.84	7,257.88	151.05	151.70	-103.09	-2,904.21	-3,884.71	448.74	157.74	291.00	1.542		
12,600.00	7,157.04	12,871.84	7,258.46	153.80	154.44	-103.06	-2,903.95	-3,984.71	448.70	152.24	296.46	1.514		
12,700.00	7,157.85	12,971.84	7,259.04	156.56	157.19	-103.04	-2,903.69	-4,084.71	448.66	146.74	301.92	1.486 Level 3		
12,800.00	7,158.66	13,071.84	7,259.62	159.33	159.95	-103.01	-2,903.43	-4,184.71	448.62	141.23	307.39	1.459 Level 3		
12,900.00	7,159.48	13,171.84	7,260.21	162.09	162.70	-102.98	-2,903.16	-4,284.70	448.58	135.71	312.87	1.434 Level 3		
13,000.00	7,160.29	13,271.84	7,260.79	164.86	165.47	-102.95	-2,902.90	-4,384.70	448.54	130.19	318.35	1.409 Level 3		
13,100.00	7,161.11	13,371.84	7,261.37	167.64	168.23	-102.92	-2,902.64	-4,484.70	448.50	124.66	323.84	1.385 Level 3		
13,209.97	7,162.00	13,481.81	7,262.01	170.69	171.27	-102.89	-2,902.35	-4,594.67	448.46	118.57	329.89	1.359 Level 3		
13,210.89	7,162.01	13,482.72	7,262.01	170.72	171.30	-102.89	-2,902.35	-4,595.58	448.46	118.52	329.94	1.359 Level 3, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-15.30	0.00	15.30					
100.00	100.00	100.00	100.00	3.28	3.28	-180.00	-15.30	0.00	15.30	8.74	6.57	2.330		
200.00	200.00	200.00	200.00	3.34	3.34	-180.00	-15.30	0.00	15.30	8.63	6.67	2.293		
300.00	299.98	299.98	299.98	3.44	3.44	31.78	-15.30	0.00	13.79	6.91	6.89	2.003		
400.00	399.84	399.56	399.54	3.59	3.60	41.65	-16.85	0.77	11.01	3.82	7.19	1.531		
500.00	499.45	499.27	499.11	3.79	3.79	57.78	-21.50	3.09	8.84	1.26	7.58	1.166	Level 2	
600.00	598.70	599.09	598.55	4.04	4.02	81.25	-29.26	6.96	7.84	-0.20	8.05	0.975	Level 1	
612.42	611.00	611.50	610.89	4.07	4.05	84.46	-30.44	7.55	7.83	-0.28	8.11	0.965	Level 1, CC	
700.00	697.47	699.04	697.75	4.32	4.29	105.99	-40.13	12.38	8.47	-0.14	8.61	0.984	Level 1	
800.00	795.62	799.11	796.59	4.64	4.59	124.16	-54.11	19.36	10.43	1.18	9.26	1.127	Level 2	
900.00	893.06	899.31	894.94	5.01	4.93	135.45	-71.20	27.88	13.17	3.20	9.97	1.321	Level 3	
1,000.00	989.64	999.62	992.69	5.41	5.31	142.36	-91.37	37.94	16.29	5.57	10.73	1.519		
1,100.00	1,085.27	1,100.06	1,089.70	5.85	5.72	146.71	-114.63	49.54	19.63	8.10	11.52	1.703		
1,200.00	1,179.82	1,200.62	1,185.86	6.33	6.16	149.54	-140.95	62.67	23.08	10.73	12.36	1.868		
1,300.00	1,273.17	1,301.30	1,281.04	6.84	6.65	151.40	-170.31	77.31	26.61	13.39	13.22	2.012		
1,404.90	1,369.69	1,407.05	1,379.70	7.43	7.19	152.67	-204.34	94.29	30.36	16.19	14.17	2.143		
1,500.00	1,456.50	1,503.05	1,468.00	8.00	7.73	152.17	-238.05	111.10	32.39	17.31	15.08	2.148		
1,600.00	1,547.79	1,603.99	1,559.43	8.61	8.33	148.56	-276.32	130.20	31.59	15.47	16.12	1.960		
1,700.00	1,639.07	1,704.00	1,649.11	9.23	8.96	142.39	-315.92	149.95	29.29	11.95	17.33	1.690		
1,800.00	1,730.36	1,803.92	1,738.71	9.87	9.61	135.24	-355.49	169.69	27.37	8.69	18.68	1.465	Level 3	
1,900.00	1,821.64	1,903.84	1,828.31	10.52	10.27	127.16	-395.07	189.43	25.93	5.79	20.15	1.287	Level 3	
2,000.00	1,912.93	2,003.76	1,917.91	11.18	10.95	118.33	-434.64	209.17	25.06	3.36	21.70	1.155	Level 2	
2,086.69	1,992.06	2,090.37	1,995.58	11.75	11.54	110.35	-468.95	226.28	24.82	1.75	23.07	1.076	Level 2	
2,100.00	2,004.21	2,103.68	2,007.51	11.84	11.63	109.11	-474.22	228.90	24.83	1.55	23.28	1.066	Level 2	
2,200.00	2,095.50	2,203.59	2,097.11	12.51	12.33	99.95	-513.79	248.64	25.24	0.43	24.80	1.017	Level 2	
2,300.00	2,186.78	2,303.51	2,186.71	13.19	13.03	91.30	-553.37	268.38	26.26	0.05	26.21	1.002	Level 2	
2,400.00	2,278.06	2,403.43	2,276.31	13.86	13.74	83.46	-592.94	288.12	27.83	0.34	27.50	1.012	Level 2	
2,500.00	2,369.35	2,503.35	2,365.91	14.55	14.45	76.57	-632.51	307.86	29.87	1.19	28.68	1.042	Level 2	
2,600.00	2,460.63	2,603.27	2,455.51	15.23	15.17	70.63	-672.09	327.60	32.28	2.50	29.78	1.084	Level 2	
2,700.00	2,551.92	2,703.19	2,545.11	15.92	15.89	65.56	-711.66	347.34	34.99	4.16	30.83	1.135	Level 2	
2,800.00	2,643.20	2,803.11	2,634.70	16.61	16.61	61.24	-751.24	367.08	37.93	6.07	31.86	1.191	Level 2	
2,900.00	2,734.49	2,903.03	2,724.30	17.30	17.34	57.57	-790.81	386.82	41.05	8.18	32.88	1.249	Level 2	
3,000.00	2,825.77	3,002.95	2,813.90	18.00	18.07	54.42	-830.39	406.56	44.32	10.43	33.89	1.308	Level 3	
3,100.00	2,917.06	3,102.87	2,903.50	18.69	18.80	51.72	-869.96	426.30	47.71	12.79	34.92	1.366	Level 3	
3,200.00	3,008.34	3,202.79	2,993.10	19.39	19.53	49.38	-909.54	446.04	51.18	15.23	35.95	1.424	Level 3	
3,300.00	3,099.63	3,302.70	3,082.70	20.09	20.27	47.33	-949.11	465.78	54.73	17.74	37.00	1.479	Level 3	
3,400.00	3,190.91	3,402.62	3,172.30	20.79	21.01	45.54	-988.68	485.52	58.35	20.30	38.05	1.533		
3,500.00	3,282.20	3,502.54	3,261.90	21.49	21.75	43.96	-1,028.26	505.26	62.01	22.90	39.11	1.586		
3,600.00	3,373.48	3,602.46	3,351.50	22.19	22.49	42.56	-1,067.83	525.00	65.71	25.53	40.18	1.635		
3,700.00	3,464.77	3,702.38	3,441.10	22.89	23.23	41.30	-1,107.41	544.74	69.45	28.19	41.26	1.683		
3,800.00	3,556.05	3,802.30	3,530.70	23.60	23.97	40.18	-1,146.98	564.48	73.22	30.88	42.34	1.729		
3,900.00	3,647.34	3,902.22	3,620.30	24.30	24.71	39.16	-1,186.56	584.22	77.02	33.58	43.44	1.773		
4,000.00	3,738.62	4,002.14	3,709.90	25.00	25.46	38.24	-1,226.13	603.96	80.83	36.30	44.53	1.815		
4,100.00	3,829.91	4,102.06	3,799.50	25.71	26.20	37.41	-1,265.71	623.70	84.67	39.03	45.64	1.855		
4,200.00	3,921.19	4,201.98	3,889.10	26.42	26.94	36.64	-1,305.28	643.44	88.52	41.77	46.75	1.894		
4,300.00	4,012.48	4,301.90	3,978.69	27.12	27.69	35.94	-1,344.86	663.18	92.39	44.53	47.86	1.930		
4,400.00	4,103.76	4,401.82	4,068.29	27.83	28.44	35.30	-1,384.43	682.92	96.27	47.29	48.98	1.965		
4,500.00	4,195.05	4,501.73	4,157.89	28.54	29.18	34.71	-1,424.00	702.66	100.16	50.05	50.10	1.999		
4,600.00	4,286.33	4,601.65	4,247.49	29.24	29.93	34.16	-1,463.58	722.40	104.06	52.83	51.23	2.031		
4,700.00	4,377.62	4,701.57	4,337.09	29.95	30.68	33.65	-1,503.15	742.14	107.96	55.61	52.35	2.062		
4,800.00	4,468.90	4,801.49	4,426.69	30.66	31.43	33.17	-1,542.73	761.88	111.88	58.40	53.48	2.092		

CC - Min centre 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-14C-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-14C-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		
4,900.00	4,560.19	4,901.41	4,516.29	31.37	32.18	32.73	-1,582.30	781.62	115.80	61.19	54.62	2.120		
5,000.00	4,651.47	5,001.33	4,605.89	32.08	32.93	32.32	-1,621.88	801.36	119.73	63.98	55.75	2.148		
5,100.00	4,742.76	5,101.25	4,695.49	32.79	33.68	31.93	-1,661.45	821.10	123.67	66.78	56.89	2.174		
5,200.00	4,834.04	5,201.17	4,785.09	33.50	34.43	31.57	-1,701.03	840.84	127.61	69.58	58.03	2.199		
5,300.00	4,925.33	5,301.09	4,874.69	34.21	35.18	31.23	-1,740.60	860.58	131.56	72.38	59.17	2.223		
5,400.00	5,016.61	5,401.01	4,964.29	34.92	35.93	30.91	-1,780.17	880.32	135.51	75.19	60.32	2.247		
5,500.00	5,107.90	5,500.93	5,053.89	35.63	36.68	30.61	-1,819.75	900.06	139.46	78.00	61.46	2.269		
5,600.00	5,199.18	5,600.85	5,143.49	36.34	37.43	30.32	-1,859.32	919.80	143.42	80.81	62.61	2.291		
5,700.00	5,290.46	5,700.76	5,233.09	37.05	38.18	30.05	-1,898.90	939.54	147.38	83.62	63.76	2.312		
5,800.00	5,381.75	5,800.68	5,322.68	37.76	38.93	29.79	-1,938.47	959.27	151.35	86.44	64.91	2.332		
5,900.00	5,473.03	5,900.60	5,412.28	38.47	39.69	29.55	-1,978.05	979.01	155.32	89.26	66.06	2.351		
6,000.00	5,564.32	6,000.52	5,501.88	39.18	40.44	29.32	-2,017.62	998.75	159.29	92.07	67.21	2.370		
6,100.00	5,655.60	6,100.44	5,591.48	39.90	41.19	29.10	-2,057.20	1,018.49	163.26	94.89	68.37	2.388		
6,200.00	5,746.89	6,200.36	5,681.08	40.61	41.94	28.89	-2,096.77	1,038.23	167.23	97.71	69.52	2.406		
6,300.00	5,838.17	6,300.28	5,770.68	41.32	42.70	28.69	-2,136.34	1,057.97	171.21	100.54	70.68	2.422		
6,400.00	5,929.46	6,400.20	5,860.28	42.03	43.45	28.50	-2,175.92	1,077.71	175.19	103.36	71.83	2.439		
6,500.00	6,020.74	6,500.12	5,949.88	42.74	44.20	28.32	-2,215.49	1,097.45	179.17	106.18	72.99	2.455		
6,600.00	6,112.03	6,600.04	6,039.48	43.46	44.96	28.14	-2,255.07	1,117.19	183.15	109.01	74.15	2.470		
6,700.00	6,203.31	6,699.96	6,129.08	44.17	45.71	27.97	-2,294.64	1,136.93	187.14	111.83	75.31	2.485		
6,800.00	6,294.60	6,800.13	6,218.68	44.88	46.47	27.81	-2,334.22	1,156.67	191.12	114.66	76.47	2.499		
6,900.00	6,385.88	6,900.21	6,308.28	45.59	47.22	27.66	-2,373.79	1,176.41	195.11	117.48	77.63	2.513		
6,927.91	6,411.36	6,927.68	6,333.28	45.79	47.43	27.62	-2,384.84	1,181.92	196.22	118.28	77.95	2.517		
6,950.00	6,431.59	6,949.75	6,353.07	45.95	47.59	23.43	-2,393.58	1,186.28	197.10	118.93	78.17	2.521		
7,000.00	6,477.77	6,999.47	6,397.77	46.27	47.96	12.33	-2,413.32	1,195.43	199.07	120.57	78.50	2.536		
7,050.00	6,524.26	7,049.30	6,443.06	46.56	48.30	0.23	-2,433.30	1,201.06	201.11	122.33	78.78	2.553		
7,100.00	6,570.76	7,099.41	6,488.87	46.81	48.60	-11.91	-2,453.49	1,202.80	203.22	124.17	79.05	2.571		
7,150.00	6,617.00	7,149.80	6,534.94	47.02	48.87	-23.21	-2,473.77	1,200.57	205.38	126.04	79.34	2.589		
7,200.00	6,662.68	7,200.48	6,580.96	47.20	49.09	-33.08	-2,494.01	1,194.32	207.57	127.94	79.63	2.607		
7,250.00	6,707.53	7,251.45	6,626.65	47.34	49.28	-41.38	-2,514.08	1,184.03	209.78	129.83	79.95	2.624		
7,300.00	6,751.28	7,302.70	6,671.70	47.47	49.43	-48.22	-2,533.85	1,169.69	211.98	131.70	80.28	2.641		
7,350.00	6,793.64	7,354.24	6,715.79	47.57	49.55	-53.82	-2,553.18	1,151.32	214.16	133.53	80.63	2.656		
7,400.00	6,834.35	7,406.06	6,758.61	47.66	49.66	-58.42	-2,571.93	1,129.00	216.30	135.30	81.01	2.670		
7,450.00	6,873.18	7,458.15	6,799.84	47.75	49.75	-62.21	-2,589.96	1,102.80	218.38	136.98	81.41	2.683		
7,500.00	6,909.88	7,510.50	6,839.18	47.83	49.83	-65.35	-2,607.13	1,072.85	220.38	138.55	81.83	2.693		
7,550.00	6,944.21	7,563.09	6,876.30	47.91	49.90	-67.96	-2,623.31	1,039.31	222.28	139.97	82.30	2.701		
7,600.00	6,975.98	7,615.92	6,910.92	47.99	49.98	-70.13	-2,638.36	1,002.38	224.05	141.23	82.82	2.705		
7,650.00	7,004.98	7,668.97	6,942.75	48.09	50.06	-71.94	-2,652.17	962.27	225.69	142.27	83.42	2.706		
7,700.00	7,031.04	7,722.20	6,971.51	48.20	50.15	-73.44	-2,664.62	919.26	227.18	143.08	84.10	2.701		
7,750.00	7,053.99	7,775.61	6,996.97	48.32	50.25	-74.67	-2,675.60	873.63	228.49	143.61	84.89	2.692		
7,800.00	7,073.70	7,829.17	7,018.90	48.46	50.37	-75.65	-2,685.01	825.70	229.63	143.83	85.80	2.676		
7,850.00	7,090.03	7,882.85	7,037.11	48.62	50.52	-76.41	-2,692.77	775.82	230.57	143.73	86.84	2.655		
7,900.00	7,102.90	7,936.62	7,051.43	48.81	50.68	-76.98	-2,698.81	724.36	231.31	143.30	88.01	2.628		
7,950.00	7,112.22	7,990.46	7,061.74	49.02	50.88	-77.35	-2,703.08	671.71	231.83	142.52	89.31	2.596		
8,000.00	7,117.94	8,044.32	7,067.95	49.26	51.10	-77.55	-2,705.53	618.27	232.15	141.42	90.73	2.559		
8,047.82	7,120.00	8,095.85	7,070.00	49.51	51.35	-77.57	-2,706.17	566.81	232.24	140.07	92.18	2.520		
8,049.17	7,120.01	8,097.31	7,070.01	49.52	51.35	-77.57	-2,706.16	565.35	232.24	140.02	92.22	2.518		
8,100.00	7,120.42	8,147.91	7,070.28	49.82	51.63	-77.53	-2,706.01	514.75	232.27	138.80	93.47	2.485		
8,200.00	7,121.24	8,247.91	7,070.80	50.53	52.26	-77.46	-2,705.72	414.75	232.31	136.17	96.14	2.416		
8,300.00	7,122.05	8,347.91	7,071.32	51.39	53.03	-77.39	-2,705.43	314.75	232.36	133.30	99.06	2.346		
8,400.00	7,122.86	8,447.91	7,071.85	52.42	53.96	-77.32	-2,705.14	214.76	232.41	130.20	102.20	2.274		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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			
8,500.00	7,123.68	8,547.91	7,072.37	53.63	55.06	-77.25	-2,704.84	114.76	232.45	126.91	105.54	2.202			
8,600.00	7,124.49	8,647.90	7,072.89	55.01	56.32	-77.18	-2,704.55	14.76	232.50	123.43	109.07	2.132			
8,700.00	7,125.30	8,747.90	7,073.42	56.54	57.75	-77.11	-2,704.26	-85.24	232.55	119.79	112.76	2.062			
8,800.00	7,126.12	8,847.90	7,073.94	58.21	59.33	-77.04	-2,703.97	-185.23	232.59	115.99	116.60	1.995			
8,900.00	7,126.93	8,947.90	7,074.46	60.01	61.05	-76.97	-2,703.67	-285.23	232.64	112.07	120.57	1.929			
9,000.00	7,127.75	9,047.90	7,074.99	61.92	62.89	-76.89	-2,703.38	-385.23	232.69	108.02	124.67	1.866			
9,100.00	7,128.56	9,147.90	7,075.51	63.92	64.83	-76.82	-2,703.09	-485.23	232.74	103.86	128.88	1.806			
9,200.00	7,129.37	9,247.90	7,076.03	66.01	66.86	-76.75	-2,702.79	-585.23	232.79	99.60	133.18	1.748			
9,300.00	7,130.19	9,347.90	7,076.55	68.16	68.97	-76.68	-2,702.50	-685.22	232.84	95.26	137.58	1.692			
9,400.00	7,131.00	9,447.90	7,077.08	70.38	71.15	-76.61	-2,702.21	-785.22	232.88	90.83	142.05	1.639			
9,500.00	7,131.81	9,547.90	7,077.60	72.65	73.39	-76.54	-2,701.92	-885.22	232.93	86.33	146.60	1.589			
9,600.00	7,132.63	9,647.90	7,078.12	74.97	75.67	-76.47	-2,701.62	-985.22	232.98	81.77	151.21	1.541			
9,700.00	7,133.44	9,747.90	7,078.65	77.33	78.01	-76.40	-2,701.33	-1,085.21	233.04	77.15	155.89	1.495 Level 3			
9,800.00	7,134.25	9,847.90	7,079.17	79.72	80.38	-76.33	-2,701.04	-1,185.21	233.09	72.47	160.62	1.451 Level 3			
9,900.00	7,135.07	9,947.90	7,079.69	82.16	82.80	-76.26	-2,700.75	-1,285.21	233.14	67.75	165.39	1.410 Level 3			
10,000.00	7,135.88	10,047.90	7,080.22	84.62	85.24	-76.19	-2,700.45	-1,385.21	233.19	62.98	170.21	1.370 Level 3			
10,100.00	7,136.70	10,147.90	7,080.74	87.11	87.71	-76.12	-2,700.16	-1,485.21	233.24	58.17	175.07	1.332 Level 3			
10,200.00	7,137.51	10,247.90	7,081.26	89.62	90.21	-76.05	-2,699.87	-1,585.20	233.29	53.32	179.97	1.296 Level 3			
10,300.00	7,138.32	10,347.90	7,081.79	92.16	92.73	-75.98	-2,699.57	-1,685.20	233.35	48.44	184.91	1.262 Level 3			
10,400.00	7,139.14	10,447.90	7,082.31	94.71	95.28	-75.91	-2,699.28	-1,785.20	233.40	43.53	189.87	1.229 Level 2			
10,500.00	7,139.95	10,547.90	7,082.83	97.29	97.84	-75.84	-2,698.99	-1,885.20	233.45	38.59	194.86	1.198 Level 2			
10,600.00	7,140.76	10,647.90	7,083.35	99.88	100.42	-75.77	-2,698.70	-1,985.19	233.51	33.63	199.88	1.168 Level 2			
10,700.00	7,141.58	10,747.90	7,083.88	102.48	103.02	-75.70	-2,698.40	-2,085.19	233.56	28.64	204.92	1.140 Level 2			
10,800.00	7,142.39	10,847.90	7,084.40	105.10	105.63	-75.63	-2,698.11	-2,185.19	233.62	23.63	209.98	1.113 Level 2			
10,900.00	7,143.20	10,947.89	7,084.92	107.74	108.26	-75.56	-2,697.82	-2,285.19	233.67	18.60	215.07	1.087 Level 2			
11,000.00	7,144.02	11,047.89	7,085.45	110.38	110.89	-75.49	-2,697.53	-2,385.19	233.73	13.56	220.17	1.062 Level 2			
11,100.00	7,144.83	11,147.89	7,085.97	113.04	113.54	-75.42	-2,697.23	-2,485.18	233.78	8.50	225.28	1.038 Level 2			
11,200.00	7,145.65	11,247.89	7,086.49	115.71	116.20	-75.35	-2,696.94	-2,585.18	233.84	3.42	230.42	1.015 Level 2			
11,300.00	7,146.46	11,347.89	7,087.02	118.38	118.87	-75.28	-2,696.65	-2,685.18	233.89	-1.67	235.56	0.993 Level 1			
11,400.00	7,147.27	11,447.89	7,087.54	121.07	121.55	-75.21	-2,696.35	-2,785.18	233.95	-6.78	240.72	0.972 Level 1			
11,500.00	7,148.09	11,547.89	7,088.06	123.76	124.24	-75.14	-2,696.06	-2,885.17	234.01	-11.89	245.90	0.952 Level 1			
11,600.00	7,148.90	11,647.89	7,088.59	126.46	126.94	-75.07	-2,695.77	-2,985.17	234.06	-17.02	251.08	0.932 Level 1			
11,700.00	7,149.71	11,747.89	7,089.11	129.17	129.64	-75.00	-2,695.48	-3,085.17	234.12	-22.15	256.27	0.914 Level 1			
11,800.00	7,150.53	11,847.89	7,089.63	131.89	132.35	-74.93	-2,695.18	-3,185.17	234.18	-27.29	261.47	0.896 Level 1			
11,900.00	7,151.34	11,947.89	7,090.15	134.61	135.07	-74.86	-2,694.89	-3,285.17	234.24	-32.45	266.68	0.878 Level 1			
12,000.00	7,152.16	12,047.89	7,090.68	137.34	137.79	-74.79	-2,694.60	-3,385.16	234.30	-37.61	271.90	0.862 Level 1			
12,100.00	7,152.97	12,147.89	7,091.20	140.07	140.52	-74.72	-2,694.31	-3,485.16	234.35	-42.77	277.13	0.846 Level 1			
12,200.00	7,153.78	12,247.89	7,091.72	142.81	143.25	-74.65	-2,694.01	-3,585.16	234.41	-47.94	282.36	0.830 Level 1			
12,300.00	7,154.60	12,347.89	7,092.25	145.55	145.99	-74.58	-2,693.72	-3,685.16	234.47	-53.12	287.59	0.815 Level 1			
12,400.00	7,155.41	12,447.89	7,092.77	148.30	148.74	-74.51	-2,693.43	-3,785.15	234.53	-58.30	292.84	0.801 Level 1			
12,500.00	7,156.22	12,547.89	7,093.29	151.05	151.48	-74.44	-2,693.13	-3,885.15	234.59	-63.49	298.08	0.787 Level 1			
12,600.00	7,157.04	12,647.89	7,093.82	153.80	154.24	-74.37	-2,692.84	-3,985.15	234.66	-68.68	303.34	0.774 Level 1			
12,700.00	7,157.85	12,747.89	7,094.34	156.56	156.99	-74.30	-2,692.55	-4,085.15	234.72	-73.87	308.59	0.761 Level 1			
12,800.00	7,158.66	12,847.89	7,094.86	159.33	159.75	-74.23	-2,692.26	-4,185.15	234.78	-79.07	313.85	0.748 Level 1			
12,900.00	7,159.48	12,947.89	7,095.39	162.09	162.52	-74.16	-2,691.96	-4,285.14	234.84	-84.27	319.11	0.736 Level 1			
13,000.00	7,160.29	13,047.89	7,095.91	164.86	165.29	-74.09	-2,691.67	-4,385.14	234.90	-89.47	324.38	0.724 Level 1			
13,100.00	7,161.11	13,147.89	7,096.43	167.64	168.06	-74.02	-2,691.38	-4,485.14	234.96	-94.68	329.64	0.713 Level 1			
13,209.97	7,162.00	13,257.85	7,097.01	170.69	171.11	-73.95	-2,691.06	-4,595.11	235.03	-100.40	335.44	0.701 Level 1			
13,210.89	7,162.01	13,258.77	7,097.01	170.72	171.13	-73.95	-2,691.05	-4,596.02	235.03	-100.45	335.49	0.701 Level 1, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	0.50	224.77	1.95	224.78					
100.00	100.00	100.00	100.00	3.28	3.28	0.50	224.77	1.95	224.78	218.21	6.57	34.216		
200.00	200.00	200.00	200.00	3.34	3.34	0.50	224.77	1.95	224.78	218.10	6.67	33.679 CC, ES		
300.00	299.98	296.75	296.73	3.44	3.44	-150.99	225.44	3.43	227.02	220.14	6.88	32.988		
400.00	399.84	393.18	393.03	3.59	3.59	-150.44	227.46	7.87	233.75	226.56	7.19	32.511		
500.00	499.45	488.98	488.49	3.79	3.79	-149.59	230.79	15.20	244.98	237.39	7.59	32.271		
600.00	598.70	583.87	582.72	4.04	4.02	-148.51	235.39	25.33	260.71	252.64	8.07	32.295		
700.00	697.47	677.54	675.33	4.32	4.28	-147.28	241.20	38.10	280.93	272.31	8.62	32.585		
800.00	795.62	769.74	766.00	4.64	4.56	-145.98	248.13	53.36	305.60	296.38	9.23	33.124		
900.00	893.06	862.37	856.54	5.01	4.88	-144.67	256.21	71.12	334.54	324.66	9.88	33.872		
1,000.00	989.64	957.05	948.98	5.41	5.23	-143.70	264.67	89.75	366.52	355.94	10.58	34.644		
1,100.00	1,085.27	1,050.84	1,040.56	5.85	5.60	-143.09	273.06	108.20	401.17	389.85	11.32	35.445		
1,200.00	1,179.82	1,143.63	1,131.16	6.33	5.98	-142.76	281.35	126.46	438.43	426.34	12.09	36.264		
1,300.00	1,273.17	1,235.31	1,220.66	6.84	6.36	-142.64	289.55	144.49	478.26	465.37	12.89	37.105		
1,404.90	1,369.69	1,330.15	1,313.26	7.43	6.77	-142.67	298.03	163.15	522.80	509.04	13.75	38.012		
1,500.00	1,456.50	1,415.47	1,396.58	8.00	7.15	-143.27	305.66	179.94	564.47	549.92	14.55	38.789		
1,600.00	1,547.79	1,505.20	1,484.18	8.61	7.56	-143.81	313.68	197.59	608.34	592.94	15.41	39.490		
1,700.00	1,639.07	1,594.92	1,571.79	9.23	7.97	-144.28	321.70	215.24	652.25	635.98	16.27	40.077		
1,800.00	1,730.36	1,684.65	1,659.39	9.87	8.38	-144.69	329.72	232.89	696.19	679.03	17.16	40.574		
1,900.00	1,821.64	1,774.37	1,747.00	10.52	8.80	-145.05	337.75	250.54	740.15	722.10	18.05	40.995		
2,000.00	1,912.93	1,864.10	1,834.60	11.18	9.22	-145.37	345.77	268.20	784.14	765.18	18.96	41.356		
2,100.00	2,004.21	1,953.82	1,922.21	11.84	9.65	-145.66	353.79	285.85	828.14	808.27	19.88	41.666		
2,200.00	2,095.50	2,043.55	2,009.81	12.51	10.08	-145.92	361.81	303.50	872.16	851.36	20.80	41.935		
2,300.00	2,186.78	2,133.27	2,097.41	13.19	10.51	-146.15	369.84	321.15	916.19	894.46	21.73	42.168		
2,400.00	2,278.06	2,223.00	2,185.02	13.86	10.94	-146.36	377.86	338.80	960.23	937.57	22.66	42.372		
2,500.00	2,369.35	2,312.72	2,272.62	14.55	11.38	-146.56	385.88	356.46	1,004.28	980.68	23.60	42.551		
2,600.00	2,460.63	2,402.45	2,360.23	15.23	11.81	-146.73	393.90	374.11	1,048.34	1,023.80	24.55	42.709		
2,700.00	2,551.92	2,507.83	2,447.83	15.92	12.33	-146.90	401.92	391.76	1,092.41	1,066.84	25.57	42.721		
2,800.00	2,643.20	2,581.90	2,535.44	16.61	12.69	-147.05	409.95	409.41	1,136.49	1,110.04	26.45	42.973		
2,900.00	2,734.49	2,671.62	2,623.04	17.30	13.13	-147.19	417.97	427.06	1,180.57	1,153.17	27.40	43.083		
3,000.00	2,825.77	2,761.35	2,710.65	18.00	13.58	-147.32	425.99	444.72	1,224.65	1,196.29	28.36	43.183		
3,100.00	2,917.06	2,851.07	2,798.25	18.69	14.02	-147.44	434.01	462.37	1,268.74	1,239.42	29.32	43.272		
3,200.00	3,008.34	2,940.80	2,885.86	19.39	14.46	-147.55	442.04	480.02	1,312.84	1,282.55	30.28	43.352		
3,300.00	3,099.63	3,030.52	2,973.46	20.09	14.91	-147.65	450.06	497.67	1,356.93	1,325.69	31.25	43.425		
3,400.00	3,190.91	3,120.25	3,061.07	20.79	15.35	-147.75	458.08	515.32	1,401.04	1,368.82	32.21	43.491		
3,500.00	3,282.20	3,209.97	3,148.67	21.49	15.80	-147.84	466.10	532.98	1,445.14	1,411.96	33.18	43.550		
3,600.00	3,373.48	3,300.30	3,236.28	22.19	16.25	-147.93	474.12	550.63	1,489.25	1,455.09	34.16	43.601		
3,700.00	3,464.77	3,389.42	3,323.88	22.89	16.69	-148.01	482.15	568.28	1,533.36	1,498.23	35.13	43.654		
3,800.00	3,556.05	3,479.15	3,411.49	23.60	17.14	-148.09	490.17	585.93	1,577.47	1,541.37	36.10	43.700		
3,900.00	3,647.34	3,568.87	3,499.09	24.30	17.59	-148.16	498.19	603.59	1,621.58	1,584.51	37.07	43.741		
4,000.00	3,738.62	3,658.60	3,586.70	25.00	18.04	-148.23	506.21	621.24	1,665.70	1,627.65	38.05	43.779		
4,100.00	3,829.91	3,748.32	3,674.30	25.71	18.49	-148.30	514.24	638.89	1,709.82	1,670.80	39.02	43.814		
4,200.00	3,921.19	3,838.05	3,761.91	26.42	18.94	-148.36	522.26	656.54	1,753.94	1,713.94	40.00	43.847		
4,300.00	4,012.48	3,927.77	3,849.51	27.12	19.39	-148.42	530.28	674.19	1,798.06	1,757.08	40.98	43.877		
4,400.00	4,103.76	4,017.50	3,937.12	27.83	19.84	-148.47	538.30	691.85	1,842.18	1,800.23	41.96	43.904		
4,500.00	4,195.05	4,107.22	4,024.72	28.54	20.29	-148.53	546.32	709.50	1,886.31	1,843.37	42.94	43.930		
4,600.00	4,286.33	4,203.05	4,112.33	29.24	20.77	-148.58	554.35	727.15	1,930.43	1,886.48	43.95	43.923		
4,700.00	4,377.62	4,286.67	4,199.93	29.95	21.19	-148.63	562.37	744.80	1,974.56	1,929.66	44.90	43.975		
4,800.00	4,468.90	4,376.40	4,287.54	30.66	21.64	-148.67	570.39	762.45	2,018.69	1,972.81	45.88	43.996		
4,900.00	4,560.19	4,466.12	4,375.14	31.37	22.10	-148.72	578.41	780.11	2,062.82	2,015.95	46.87	44.014		
5,000.00	4,651.47	4,555.85	4,462.75	32.08	22.55	-148.76	586.44	797.76	2,106.95	2,059.10	47.85	44.032		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,100.00	4,742.76	4,645.57	4,550.35	32.79	23.00	-148.80	594.46	815.41	2,151.08	2,102.25	48.83	44.048		
5,200.00	4,834.04	4,735.30	4,637.96	33.50	23.45	-148.84	602.48	833.06	2,195.21	2,145.39	49.82	44.064		
5,300.00	4,925.33	4,825.02	4,725.56	34.21	23.91	-148.88	610.50	850.71	2,239.34	2,188.54	50.80	44.078		
5,400.00	5,016.61	4,914.75	4,813.17	34.92	24.36	-148.92	618.52	868.37	2,283.48	2,231.69	51.79	44.091		
5,500.00	5,107.90	5,004.47	4,900.77	35.63	24.81	-148.95	626.55	886.02	2,327.61	2,274.84	52.78	44.103		
5,600.00	5,199.18	5,105.80	4,988.38	36.34	25.32	-148.99	634.57	903.67	2,371.75	2,317.93	53.82	44.067		
5,700.00	5,290.46	5,183.92	5,075.98	37.05	25.72	-149.02	642.59	921.32	2,415.88	2,361.13	54.75	44.126		
5,800.00	5,381.75	5,273.65	5,163.59	37.76	26.17	-149.05	650.61	938.97	2,460.02	2,404.28	55.74	44.136		
5,900.00	5,473.03	5,363.37	5,251.19	38.47	26.63	-149.08	658.63	956.63	2,504.15	2,447.43	56.73	44.145		
6,000.00	5,564.32	5,453.10	5,338.80	39.18	27.08	-149.11	666.66	974.28	2,548.29	2,490.58	57.71	44.154		
6,100.00	5,655.60	5,542.82	5,426.40	39.90	27.53	-149.14	674.68	991.93	2,592.43	2,533.73	58.70	44.162		
6,200.00	5,746.89	5,632.55	5,514.01	40.61	27.99	-149.17	682.70	1,009.58	2,636.57	2,576.88	59.69	44.170		
6,300.00	5,838.17	5,722.27	5,601.61	41.32	28.44	-149.19	690.72	1,027.23	2,680.71	2,620.03	60.68	44.177		
6,400.00	5,929.46	5,812.00	5,689.22	42.03	28.90	-149.22	698.75	1,044.89	2,724.85	2,663.17	61.67	44.184		
6,500.00	6,020.74	5,901.72	5,776.82	42.74	29.35	-149.24	706.77	1,062.54	2,768.99	2,706.32	62.66	44.190		
6,600.00	6,112.03	6,008.55	5,864.43	43.46	29.89	-149.27	714.79	1,080.19	2,813.13	2,749.39	63.74	44.136		
6,700.00	6,203.31	6,081.17	5,952.03	44.17	30.26	-149.29	722.81	1,097.84	2,857.27	2,792.62	64.64	44.201		
6,800.00	6,294.60	6,170.90	6,039.64	44.88	30.72	-149.31	730.83	1,115.50	2,901.41	2,835.77	65.63	44.206		
6,900.00	6,385.88	6,260.62	6,127.24	45.59	31.17	-149.33	738.86	1,133.15	2,945.55	2,878.92	66.63	44.211		
6,927.91	6,411.36	6,285.66	6,151.69	45.79	31.30	-149.34	741.10	1,138.07	2,957.87	2,890.96	66.90	44.212		
6,950.00	6,431.59	6,305.47	6,171.03	45.95	31.40	-154.44	742.87	1,141.97	2,967.64	2,900.52	67.12	44.214		
7,000.00	6,477.77	6,350.12	6,214.63	46.27	31.62	-166.95	746.86	1,150.76	2,989.89	2,922.29	67.60	44.229		
7,050.00	6,524.26	6,405.70	6,257.76	46.56	31.91	179.68	750.81	1,159.45	3,012.20	2,944.08	68.12	44.218		
7,100.00	6,570.76	6,437.72	6,300.15	46.81	32.07	166.33	754.69	1,167.99	3,034.48	2,965.97	68.51	44.292		
7,150.00	6,617.00	6,480.12	6,341.55	47.02	32.28	153.89	758.48	1,176.33	3,056.62	2,987.68	68.94	44.335		
7,200.00	6,662.68	6,521.24	6,381.70	47.20	32.49	142.94	762.16	1,184.42	3,078.54	3,009.18	69.36	44.382		
7,250.00	6,707.53	6,560.82	6,420.35	47.34	32.69	133.62	765.70	1,192.21	3,100.17	3,030.39	69.78	44.429		
7,300.00	6,751.28	6,601.37	6,457.26	47.47	32.90	125.80	769.08	1,199.64	3,121.44	3,051.24	70.20	44.465		
7,350.00	6,793.64	6,635.22	6,492.99	47.57	33.07	119.28	772.35	1,206.81	3,142.29	3,071.69	70.60	44.508		
7,400.00	6,834.35	6,675.79	6,532.90	47.66	33.26	113.85	776.01	1,213.09	3,162.64	3,091.57	71.07	44.503		
7,450.00	6,873.18	6,718.49	6,575.24	47.75	33.45	109.30	779.89	1,216.93	3,182.37	3,110.81	71.56	44.471		
7,500.00	6,909.88	6,763.86	6,620.40	47.83	33.63	105.48	784.03	1,217.88	3,201.37	3,129.28	72.09	44.409		
7,550.00	6,944.21	6,812.60	6,668.86	47.91	33.81	102.27	788.47	1,215.30	3,219.55	3,146.88	72.66	44.308		
7,600.00	6,975.98	6,865.61	6,721.17	47.99	34.00	99.61	793.27	1,208.27	3,236.78	3,163.49	73.29	44.161		
7,650.00	7,004.98	6,924.08	6,777.96	48.09	34.21	97.42	798.49	1,195.49	3,252.97	3,178.97	74.00	43.960		
7,700.00	7,031.04	6,989.54	6,839.86	48.20	34.46	95.67	804.17	1,175.05	3,267.97	3,193.19	74.78	43.700		
7,750.00	7,053.99	7,063.93	6,907.23	48.32	34.77	94.33	810.37	1,144.21	3,281.65	3,205.99	75.66	43.374		
7,800.00	7,073.70	7,149.64	6,979.78	48.46	35.17	93.37	817.05	1,099.20	3,293.82	3,217.18	76.64	42.976		
7,850.00	7,090.03	7,249.31	7,055.68	48.62	35.71	92.76	824.05	1,035.14	3,304.28	3,226.51	77.77	42.488		
7,900.00	7,102.90	7,900.00	7,114.97	48.81	40.21	92.26	829.53	967.09	3,312.74	3,229.90	82.85	39.987		
7,950.00	7,112.22	7,497.76	7,194.16	49.02	37.60	92.30	836.87	831.16	3,318.93	3,238.22	80.71	41.120		
8,000.00	7,117.94	7,643.92	7,235.47	49.26	39.13	92.24	840.75	691.34	3,322.53	3,239.86	82.68	40.187		
8,047.82	7,120.00	7,765.17	7,245.02	49.51	40.59	92.15	841.70	570.65	3,323.42	3,238.88	84.54	39.311		
8,100.00	7,120.42	7,817.35	7,245.11	49.82	41.28	92.15	841.74	518.47	3,323.30	3,237.43	85.87	38.700		
8,200.00	7,121.24	7,917.35	7,245.29	50.53	42.70	92.14	841.81	418.47	3,323.08	3,234.44	88.64	37.488		
8,300.00	7,122.05	8,017.34	7,245.46	51.39	44.26	92.13	841.89	318.47	3,322.86	3,231.18	91.69	36.242		
8,400.00	7,122.86	8,117.34	7,245.64	52.42	45.95	92.12	841.97	218.48	3,322.64	3,227.66	94.98	34.984		
8,500.00	7,123.68	8,217.34	7,245.82	53.63	47.75	92.11	842.05	118.48	3,322.42	3,223.93	98.49	33.734		
8,600.00	7,124.49	8,317.34	7,246.00	55.01	49.65	92.10	842.12	18.48	3,322.20	3,220.00	102.20	32.507		
8,700.00	7,125.30	8,417.34	7,246.17	56.54	51.64	92.08	842.20	-81.52	3,321.98	3,215.89	106.09	31.313		

CC - Min centre 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-14C-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-14C-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			
8,800.00	7,126.12	8,517.33	7,246.35	58.21	53.70	92.07	842.28	-181.51	3,321.76	3,211.62	110.14	30.160			
8,900.00	7,126.93	8,617.33	7,246.53	60.01	55.84	92.06	842.36	-281.51	3,321.54	3,207.21	114.33	29.052			
9,000.00	7,127.75	8,717.33	7,246.70	61.92	58.05	92.05	842.43	-381.51	3,321.32	3,202.67	118.65	27.993			
9,100.00	7,128.56	8,817.33	7,246.88	63.92	60.30	92.04	842.51	-481.51	3,321.10	3,198.02	123.08	26.983			
9,200.00	7,129.37	8,917.32	7,247.06	66.01	62.61	92.03	842.59	-581.50	3,320.88	3,193.26	127.62	26.022			
9,300.00	7,130.19	9,017.32	7,247.24	68.16	64.96	92.02	842.67	-681.50	3,320.66	3,188.42	132.24	25.110			
9,400.00	7,131.00	9,117.32	7,247.41	70.38	67.35	92.01	842.74	-781.50	3,320.44	3,183.49	136.95	24.245			
9,500.00	7,131.81	9,217.32	7,247.59	72.65	69.78	92.00	842.82	-881.50	3,320.22	3,178.49	141.73	23.426			
9,600.00	7,132.63	9,317.32	7,247.77	74.97	72.23	91.99	842.90	-981.49	3,320.00	3,173.42	146.58	22.649			
9,700.00	7,133.44	9,417.31	7,247.94	77.33	74.72	91.98	842.98	-1,081.49	3,319.78	3,168.29	151.49	21.914			
9,800.00	7,134.25	9,517.31	7,248.12	79.72	77.23	91.96	843.05	-1,181.49	3,319.56	3,163.10	156.46	21.217			
9,900.00	7,135.07	9,617.31	7,248.30	82.16	79.77	91.95	843.13	-1,281.49	3,319.35	3,157.87	161.47	20.556			
10,000.00	7,135.88	9,717.31	7,248.48	84.62	82.33	91.94	843.21	-1,381.48	3,319.13	3,152.59	166.53	19.931			
10,100.00	7,136.70	9,817.30	7,248.65	87.11	84.90	91.93	843.29	-1,481.48	3,318.91	3,147.27	171.64	19.337			
10,200.00	7,137.51	9,917.30	7,248.83	89.62	87.50	91.92	843.36	-1,581.48	3,318.69	3,141.91	176.78	18.773			
10,300.00	7,138.32	10,017.30	7,249.01	92.16	90.11	91.91	843.44	-1,681.48	3,318.47	3,136.52	181.95	18.238			
10,400.00	7,139.14	10,117.30	7,249.18	94.71	92.73	91.90	843.52	-1,781.47	3,318.25	3,131.10	187.15	17.730			
10,500.00	7,139.95	10,217.30	7,249.36	97.29	95.37	91.89	843.60	-1,881.47	3,318.04	3,125.65	192.39	17.246			
10,600.00	7,140.76	10,317.29	7,249.54	99.88	98.02	91.88	843.67	-1,981.47	3,317.82	3,120.17	197.65	16.786			
10,700.00	7,141.58	10,417.29	7,249.72	102.48	100.68	91.87	843.75	-2,081.47	3,317.60	3,114.66	202.94	16.348			
10,800.00	7,142.39	10,517.29	7,249.89	105.10	103.36	91.86	843.83	-2,181.46	3,317.38	3,109.14	208.25	15.930			
10,900.00	7,143.20	10,617.29	7,250.07	107.74	106.04	91.85	843.91	-2,281.46	3,317.16	3,103.59	213.58	15.532			
11,000.00	7,144.02	10,717.28	7,250.25	110.38	108.73	91.83	843.98	-2,381.46	3,316.95	3,098.02	218.92	15.151			
11,100.00	7,144.83	10,817.28	7,250.42	113.04	111.43	91.82	844.06	-2,481.46	3,316.73	3,092.44	224.29	14.788			
11,200.00	7,145.65	10,917.28	7,250.60	115.71	114.14	91.81	844.14	-2,581.46	3,316.51	3,086.83	229.68	14.440			
11,300.00	7,146.46	11,017.28	7,250.78	118.38	116.86	91.80	844.22	-2,681.45	3,316.29	3,081.22	235.08	14.107			
11,400.00	7,147.27	11,117.28	7,250.96	121.07	119.58	91.79	844.29	-2,781.45	3,316.08	3,075.58	240.49	13.789			
11,500.00	7,148.09	11,217.27	7,251.13	123.76	122.31	91.78	844.37	-2,881.45	3,315.86	3,069.94	245.92	13.483			
11,600.00	7,148.90	11,317.27	7,251.31	126.46	125.04	91.77	844.45	-2,981.45	3,315.64	3,064.28	251.36	13.191			
11,700.00	7,149.71	11,417.27	7,251.49	129.17	127.78	91.76	844.53	-3,081.44	3,315.43	3,058.61	256.82	12.910			
11,800.00	7,150.53	11,517.27	7,251.67	131.89	130.53	91.75	844.60	-3,181.44	3,315.21	3,052.93	262.28	12.640			
11,900.00	7,151.34	11,617.26	7,251.84	134.61	133.28	91.74	844.68	-3,281.44	3,314.99	3,047.23	267.76	12.381			
12,000.00	7,152.16	11,717.26	7,252.02	137.34	136.03	91.73	844.76	-3,381.44	3,314.78	3,041.53	273.25	12.131			
12,100.00	7,152.97	11,817.26	7,252.20	140.07	138.79	91.71	844.84	-3,481.43	3,314.56	3,035.82	278.74	11.891			
12,200.00	7,153.78	11,917.26	7,252.37	142.81	141.55	91.70	844.91	-3,581.43	3,314.35	3,030.10	284.24	11.660			
12,300.00	7,154.60	12,017.26	7,252.55	145.55	144.32	91.69	844.99	-3,681.43	3,314.13	3,024.37	289.76	11.438			
12,400.00	7,155.41	12,117.25	7,252.73	148.30	147.09	91.68	845.07	-3,781.43	3,313.91	3,018.64	295.28	11.223			
12,500.00	7,156.22	12,217.25	7,252.91	151.05	149.86	91.67	845.15	-3,881.42	3,313.70	3,012.89	300.81	11.016			
12,600.00	7,157.04	12,317.25	7,253.08	153.80	152.64	91.66	845.22	-3,981.42	3,313.48	3,007.14	306.34	10.816			
12,700.00	7,157.85	12,417.25	7,253.26	156.56	155.42	91.65	845.30	-4,081.42	3,313.27	3,001.38	311.88	10.623			
12,800.00	7,158.66	12,517.24	7,253.44	159.33	158.20	91.64	845.38	-4,181.42	3,313.05	2,995.62	317.43	10.437			
12,900.00	7,159.48	12,617.24	7,253.61	162.09	160.99	91.63	845.46	-4,281.41	3,312.84	2,989.85	322.98	10.257			
13,000.00	7,160.29	12,717.24	7,253.79	164.86	163.78	91.62	845.53	-4,381.41	3,312.62	2,984.08	328.54	10.083			
13,100.00	7,161.11	12,817.24	7,253.97	167.64	166.57	91.61	845.61	-4,481.41	3,312.41	2,978.30	334.11	9.914			
13,209.97	7,162.00	12,927.20	7,254.16	170.69	169.64	91.59	845.70	-4,591.38	3,312.17	2,971.93	340.23	9.735			
13,210.89	7,162.01	12,928.12	7,254.16	170.72	169.66	91.59	845.70	-4,592.29	3,312.17	2,971.88	340.29	9.733 SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	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	299.98	299.98	299.98	3.44	3.44	-151.36	209.84	1.95	211.38	204.49	6.89	30.700		
400.00	399.84	397.63	397.61	3.59	3.60	-151.54	210.34	3.53	216.49	209.30	7.19	30.107		
500.00	499.45	494.92	494.77	3.79	3.79	-151.28	211.83	8.27	225.69	218.11	7.59	29.749		
600.00	598.70	591.59	591.09	4.04	4.02	-150.63	214.29	16.09	238.98	230.91	8.06	29.641		
700.00	697.47	687.36	686.18	4.32	4.29	-149.68	217.70	26.89	256.34	247.73	8.61	29.784		
800.00	795.62	781.99	779.72	4.64	4.57	-148.52	222.00	40.52	277.78	268.57	9.21	30.164		
900.00	893.06	875.23	871.37	5.01	4.88	-147.24	227.14	56.84	303.28	293.42	9.86	30.755		
1,000.00	989.64	968.74	962.76	5.41	5.22	-145.92	233.10	75.72	332.68	322.13	10.56	31.506		
1,100.00	1,085.27	1,063.29	1,055.07	5.85	5.59	-144.96	239.24	95.21	365.06	353.75	11.31	32.291		
1,200.00	1,179.82	1,156.92	1,146.50	6.33	5.97	-144.35	245.33	114.51	400.14	388.05	12.08	33.111		
1,300.00	1,273.17	1,249.52	1,236.91	6.84	6.35	-144.02	251.34	133.59	437.86	424.97	12.89	33.960		
1,404.90	1,369.69	1,345.43	1,330.55	7.43	6.77	-143.88	257.58	153.36	480.24	466.47	13.77	34.878		
1,500.00	1,456.50	1,431.76	1,414.84	8.00	7.15	-144.32	263.19	171.15	519.96	505.38	14.58	35.665		
1,600.00	1,547.79	1,522.55	1,503.48	8.61	7.56	-144.71	269.09	189.86	561.76	546.32	15.44	36.373		
1,700.00	1,639.07	1,613.33	1,592.12	9.23	7.97	-145.05	274.99	208.57	603.57	587.25	16.33	36.966		
1,800.00	1,730.36	1,704.12	1,680.76	9.87	8.39	-145.35	280.88	227.28	645.40	628.18	17.23	37.468		
1,900.00	1,821.64	1,805.10	1,769.40	10.52	8.86	-145.60	286.78	245.99	687.25	669.06	18.18	37.795		
2,000.00	1,912.93	1,885.69	1,858.04	11.18	9.24	-145.83	292.68	264.70	729.10	710.04	19.06	38.260		
2,100.00	2,004.21	1,976.47	1,946.68	11.84	9.68	-146.04	298.58	283.42	770.96	750.97	19.99	38.574		
2,200.00	2,095.50	2,067.25	2,035.32	12.51	10.11	-146.22	304.48	302.13	812.83	791.90	20.92	38.846		
2,300.00	2,186.78	2,158.04	2,123.96	13.19	10.55	-146.39	310.38	320.84	854.70	832.83	21.87	39.082		
2,400.00	2,278.06	2,248.82	2,212.60	13.86	10.99	-146.54	316.28	339.55	896.58	873.76	22.82	39.289		
2,500.00	2,369.35	2,339.61	2,301.24	14.55	11.43	-146.67	322.18	358.26	938.47	914.69	23.78	39.471		
2,600.00	2,460.63	2,430.39	2,389.87	15.23	11.88	-146.80	328.08	376.97	980.35	955.62	24.74	39.632		
2,700.00	2,551.92	2,521.18	2,478.51	15.92	12.32	-146.91	333.98	395.68	1,022.25	996.54	25.70	39.774		
2,800.00	2,643.20	2,611.96	2,567.15	16.61	12.77	-147.02	339.88	414.39	1,064.14	1,037.47	26.67	39.901		
2,900.00	2,734.49	2,702.74	2,655.79	17.30	13.22	-147.11	345.78	433.10	1,106.04	1,078.40	27.64	40.014		
3,000.00	2,825.77	2,793.53	2,744.43	18.00	13.66	-147.20	351.68	451.81	1,147.94	1,119.32	28.62	40.116		
3,100.00	2,917.06	2,884.31	2,833.07	18.69	14.12	-147.29	357.58	470.52	1,189.84	1,160.25	29.59	40.207		
3,200.00	3,008.34	2,975.10	2,921.71	19.39	14.57	-147.37	363.48	489.23	1,231.74	1,201.17	30.57	40.289		
3,300.00	3,099.63	3,065.88	3,010.35	20.09	15.02	-147.44	369.38	507.94	1,273.65	1,242.10	31.55	40.364		
3,400.00	3,190.91	3,156.67	3,098.99	20.79	15.47	-147.51	375.27	526.65	1,315.56	1,283.02	32.54	40.431		
3,500.00	3,282.20	3,247.45	3,187.63	21.49	15.93	-147.57	381.17	545.36	1,357.47	1,323.94	33.52	40.493		
3,600.00	3,373.48	3,338.23	3,276.27	22.19	16.38	-147.63	387.07	564.07	1,399.38	1,364.87	34.51	40.549		
3,700.00	3,464.77	3,429.02	3,364.91	22.89	16.84	-147.69	392.97	582.78	1,441.29	1,405.79	35.50	40.600		
3,800.00	3,556.05	3,519.80	3,453.54	23.60	17.29	-147.74	398.87	601.49	1,483.20	1,446.71	36.49	40.648		
3,900.00	3,647.34	3,610.59	3,542.18	24.30	17.75	-147.79	404.77	620.20	1,525.12	1,487.63	37.48	40.691		
4,000.00	3,738.62	3,701.37	3,630.82	25.00	18.20	-147.84	410.67	638.91	1,567.03	1,528.56	38.47	40.730		
4,100.00	3,829.91	3,807.85	3,719.46	25.71	18.74	-147.89	416.57	657.62	1,608.95	1,569.40	39.55	40.686		
4,200.00	3,921.19	3,882.94	3,808.10	26.42	19.12	-147.93	422.47	676.33	1,650.86	1,610.40	40.46	40.801		
4,300.00	4,012.48	3,973.72	3,896.74	27.12	19.58	-147.97	428.37	695.04	1,692.78	1,651.32	41.46	40.832		
4,400.00	4,103.76	4,064.51	3,985.38	27.83	20.04	-148.01	434.27	713.75	1,734.70	1,692.24	42.45	40.861		
4,500.00	4,195.05	4,155.29	4,074.02	28.54	20.49	-148.05	440.17	732.46	1,776.61	1,733.16	43.45	40.888		
4,600.00	4,286.33	4,246.08	4,162.66	29.24	20.95	-148.08	446.07	751.17	1,818.53	1,774.08	44.45	40.913		
4,700.00	4,377.62	4,336.86	4,251.30	29.95	21.41	-148.12	451.97	769.89	1,860.45	1,815.00	45.45	40.936		
4,800.00	4,468.90	4,427.64	4,339.94	30.66	21.87	-148.15	457.87	788.60	1,902.37	1,855.93	46.45	40.957		
4,900.00	4,560.19	4,518.43	4,428.58	31.37	22.33	-148.18	463.77	807.31	1,944.29	1,896.85	47.45	40.978		
5,000.00	4,651.47	4,609.21	4,517.21	32.08	22.79	-148.21	469.66	826.02	1,986.21	1,937.77	48.45	40.996		

CC - Min centre 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-14C-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-14C-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 Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.00	4,742.76	4,700.00	4,605.85	32.79	23.25	-148.24	475.56	844.73	2,028.14	1,978.69	49.45	41.014		
5,200.00	4,834.04	4,790.78	4,694.49	33.50	23.71	-148.27	481.46	863.44	2,070.06	2,019.61	50.45	41.030		
5,300.00	4,925.33	4,881.57	4,783.13	34.21	24.17	-148.29	487.36	882.15	2,111.98	2,060.52	51.45	41.046		
5,400.00	5,016.61	4,972.35	4,871.77	34.92	24.63	-148.32	493.26	900.86	2,153.90	2,101.44	52.46	41.060		
5,500.00	5,107.90	5,063.13	4,960.41	35.63	25.10	-148.34	499.16	919.57	2,195.82	2,142.36	53.46	41.073		
5,600.00	5,199.18	5,153.92	5,049.05	36.34	25.56	-148.37	505.06	938.28	2,237.75	2,183.28	54.47	41.086		
5,700.00	5,290.46	5,244.70	5,137.69	37.05	26.02	-148.39	510.96	956.99	2,279.67	2,224.20	55.47	41.098		
5,800.00	5,381.75	5,335.49	5,226.33	37.76	26.48	-148.41	516.86	975.70	2,321.59	2,265.12	56.47	41.109		
5,900.00	5,473.03	5,426.27	5,314.97	38.47	26.94	-148.43	522.76	994.41	2,363.52	2,306.04	57.48	41.119		
6,000.00	5,564.32	5,517.06	5,403.61	39.18	27.40	-148.45	528.66	1,013.12	2,405.44	2,346.96	58.49	41.129		
6,100.00	5,655.60	5,607.84	5,492.25	39.90	27.87	-148.47	534.56	1,031.83	2,447.37	2,387.88	59.49	41.138		
6,200.00	5,746.89	5,701.38	5,580.88	40.61	28.34	-148.49	540.46	1,050.54	2,489.29	2,428.78	60.51	41.137		
6,300.00	5,838.17	5,789.41	5,669.52	41.32	28.79	-148.51	546.36	1,069.25	2,531.22	2,469.71	61.50	41.155		
6,400.00	5,929.46	5,880.19	5,758.16	42.03	29.25	-148.52	552.26	1,087.96	2,573.14	2,510.63	62.51	41.162		
6,500.00	6,020.74	5,970.98	5,846.80	42.74	29.71	-148.54	558.15	1,106.67	2,615.07	2,551.55	63.52	41.170		
6,600.00	6,112.03	6,061.76	5,935.44	43.46	30.18	-148.56	564.05	1,125.38	2,656.99	2,592.47	64.53	41.176		
6,700.00	6,203.31	6,152.55	6,024.08	44.17	30.64	-148.57	569.95	1,144.09	2,698.92	2,633.38	65.54	41.183		
6,800.00	6,294.60	6,243.33	6,112.72	44.88	31.10	-148.59	575.85	1,162.80	2,740.84	2,674.30	66.54	41.188		
6,900.00	6,385.88	6,334.11	6,201.36	45.59	31.57	-148.61	581.75	1,181.51	2,782.77	2,715.22	67.55	41.194		
6,927.91	6,411.36	6,359.45	6,226.10	45.79	31.69	-148.61	583.40	1,186.74	2,794.47	2,726.64	67.83	41.196		
6,950.00	6,431.59	6,379.49	6,245.66	45.95	31.80	-153.65	584.70	1,190.87	2,803.76	2,735.70	68.06	41.198		
7,000.00	6,477.77	6,424.64	6,289.75	46.27	32.03	-166.02	587.64	1,200.17	2,824.95	2,756.40	68.55	41.213		
7,050.00	6,524.26	6,469.75	6,333.93	46.56	32.25	-179.27	590.58	1,208.74	2,846.26	2,777.25	69.01	41.242		
7,100.00	6,570.76	6,515.33	6,379.06	46.81	32.46	167.44	593.58	1,214.36	2,867.58	2,798.13	69.45	41.289		
7,150.00	6,617.00	6,561.44	6,424.99	47.02	32.64	155.01	596.63	1,216.74	2,888.78	2,818.92	69.86	41.349		
7,200.00	6,662.68	6,608.20	6,471.62	47.20	32.82	144.01	599.73	1,215.74	2,909.73	2,839.47	70.26	41.416		
7,250.00	6,707.53	6,655.73	6,518.83	47.34	32.99	134.62	602.87	1,211.22	2,930.30	2,859.66	70.65	41.478		
7,300.00	6,751.28	6,704.19	6,566.46	47.47	33.17	126.73	606.03	1,202.98	2,950.38	2,879.33	71.05	41.527		
7,350.00	6,793.64	6,753.69	6,614.33	47.57	33.35	120.12	609.21	1,190.85	2,969.84	2,898.38	71.47	41.556		
7,400.00	6,834.35	6,804.38	6,662.23	47.66	33.55	114.58	612.39	1,174.60	2,988.57	2,916.66	71.91	41.558		
7,450.00	6,873.18	6,856.38	6,709.86	47.75	33.77	109.91	615.55	1,154.02	3,006.44	2,934.05	72.39	41.530		
7,500.00	6,909.88	6,909.81	6,756.89	47.83	34.02	105.95	618.67	1,128.89	3,023.35	2,950.44	72.91	41.464		
7,550.00	6,944.21	6,964.77	6,802.90	47.91	34.29	102.58	621.72	1,099.01	3,039.19	2,965.71	73.49	41.358		
7,600.00	6,975.98	7,021.34	6,847.39	47.99	34.60	99.73	624.66	1,064.22	3,053.85	2,979.74	74.12	41.204		
7,650.00	7,004.98	7,079.55	6,889.76	48.09	34.96	97.31	627.47	1,024.44	3,067.24	2,992.43	74.81	40.999		
7,700.00	7,031.04	7,139.40	6,929.37	48.20	35.37	95.27	630.08	979.67	3,079.26	3,003.67	75.59	40.737		
7,750.00	7,053.99	7,200.84	6,965.48	48.32	35.84	93.56	632.47	930.04	3,089.82	3,013.37	76.45	40.416		
7,800.00	7,073.70	7,263.75	6,997.33	48.46	36.38	92.17	634.57	875.87	3,098.85	3,021.44	77.42	40.029		
7,850.00	7,090.03	7,327.94	7,024.17	48.62	37.00	91.05	636.33	817.61	3,106.28	3,027.80	78.48	39.581		
7,900.00	7,102.90	7,393.18	7,045.31	48.81	37.69	90.20	637.71	755.94	3,112.06	3,032.42	79.64	39.077		
7,950.00	7,112.22	7,459.15	7,060.18	49.02	38.45	89.59	638.68	691.70	3,116.12	3,035.24	80.89	38.525		
8,000.00	7,117.94	7,525.52	7,068.36	49.26	39.27	89.22	639.20	625.87	3,118.46	3,036.24	82.22	37.928		
8,047.82	7,120.00	7,584.64	7,070.00	49.51	40.03	89.08	639.29	566.80	3,119.06	3,035.56	83.50	37.356		
8,100.00	7,120.42	7,636.81	7,070.00	49.82	40.75	89.07	639.27	514.62	3,118.91	3,034.05	84.86	36.754		
8,200.00	7,121.24	7,736.81	7,070.01	50.53	42.22	89.06	639.24	414.63	3,118.61	3,030.94	87.67	35.573		
8,300.00	7,122.05	7,836.80	7,070.02	51.39	43.82	89.04	639.21	314.63	3,118.32	3,027.57	90.75	34.362		
8,400.00	7,122.86	7,936.80	7,070.03	52.42	45.55	89.03	639.17	214.63	3,118.02	3,023.94	94.08	33.142		
8,500.00	7,123.68	8,036.80	7,070.04	53.63	47.39	89.01	639.14	114.64	3,117.73	3,020.10	97.63	31.934		
8,600.00	7,124.49	8,136.79	7,070.05	55.01	49.33	89.00	639.10	14.64	3,117.43	3,016.05	101.38	30.750		
8,700.00	7,125.30	8,236.79	7,070.06	56.54	51.35	88.98	639.07	-85.36	3,117.14	3,011.83	105.31	29.601		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	8,336.79	7,070.07	58.21	53.45	88.97	639.04	-185.35	3,116.84	3,007.45	109.39	28.493		
8,900.00	7,126.93	8,436.78	7,070.08	60.01	55.62	88.95	639.00	-285.35	3,116.55	3,002.94	113.61	27.431		
9,000.00	7,127.75	8,536.78	7,070.08	61.92	57.85	88.94	638.97	-385.34	3,116.26	2,998.29	117.97	26.417		
9,100.00	7,128.56	8,636.77	7,070.09	63.92	60.13	88.92	638.94	-485.34	3,115.96	2,993.54	122.43	25.451		
9,200.00	7,129.37	8,736.77	7,070.10	66.01	62.46	88.91	638.90	-585.34	3,115.67	2,988.68	126.99	24.534		
9,300.00	7,130.19	8,836.77	7,070.11	68.16	64.84	88.89	638.87	-685.33	3,115.38	2,983.73	131.65	23.665		
9,400.00	7,131.00	8,936.76	7,070.12	70.38	67.25	88.88	638.84	-785.33	3,115.09	2,978.71	136.38	22.841		
9,500.00	7,131.81	9,036.76	7,070.13	72.65	69.69	88.86	638.80	-885.33	3,114.79	2,973.61	141.19	22.062		
9,600.00	7,132.63	9,136.76	7,070.14	74.97	72.17	88.85	638.77	-985.32	3,114.50	2,968.44	146.06	21.324		
9,700.00	7,133.44	9,236.75	7,070.15	77.33	74.67	88.83	638.73	-1,085.32	3,114.21	2,963.22	150.99	20.625		
9,800.00	7,134.25	9,336.75	7,070.16	79.72	77.20	88.82	638.70	-1,185.32	3,113.92	2,957.94	155.98	19.964		
9,900.00	7,135.07	9,436.75	7,070.16	82.16	79.75	88.80	638.67	-1,285.31	3,113.63	2,952.61	161.01	19.338		
10,000.00	7,135.88	9,536.74	7,070.17	84.62	82.32	88.79	638.63	-1,385.31	3,113.33	2,947.25	166.09	18.745		
10,100.00	7,136.70	9,636.74	7,070.18	87.11	84.91	88.77	638.60	-1,485.30	3,113.04	2,941.84	171.21	18.183		
10,200.00	7,137.51	9,736.73	7,070.19	89.62	87.51	88.76	638.57	-1,585.30	3,112.75	2,936.39	176.36	17.650		
10,300.00	7,138.32	9,836.73	7,070.20	92.16	90.13	88.74	638.53	-1,685.30	3,112.46	2,930.91	181.55	17.144		
10,400.00	7,139.14	9,936.73	7,070.21	94.71	92.77	88.73	638.50	-1,785.29	3,112.17	2,925.40	186.77	16.663		
10,500.00	7,139.95	10,036.72	7,070.22	97.29	95.42	88.71	638.46	-1,885.29	3,111.88	2,919.86	192.02	16.206		
10,600.00	7,140.76	10,136.72	7,070.23	99.88	98.08	88.70	638.43	-1,985.29	3,111.59	2,914.30	197.29	15.772		
10,700.00	7,141.58	10,236.72	7,070.23	102.48	100.75	88.68	638.40	-2,085.28	3,111.30	2,908.71	202.59	15.358		
10,800.00	7,142.39	10,336.71	7,070.24	105.10	103.43	88.67	638.36	-2,185.28	3,111.01	2,903.10	207.91	14.963		
10,900.00	7,143.20	10,436.71	7,070.25	107.74	106.12	88.65	638.33	-2,285.27	3,110.72	2,897.47	213.25	14.587		
11,000.00	7,144.02	10,536.70	7,070.26	110.38	108.82	88.64	638.30	-2,385.27	3,110.43	2,891.82	218.61	14.228		
11,100.00	7,144.83	10,636.70	7,070.27	113.04	111.53	88.62	638.26	-2,485.27	3,110.14	2,886.16	223.99	13.885		
11,200.00	7,145.65	10,736.70	7,070.28	115.71	114.24	88.61	638.23	-2,585.26	3,109.85	2,880.47	229.38	13.558		
11,300.00	7,146.46	10,836.69	7,070.29	118.38	116.96	88.59	638.20	-2,685.26	3,109.56	2,874.78	234.79	13.244		
11,400.00	7,147.27	10,936.69	7,070.30	121.07	119.69	88.58	638.16	-2,785.26	3,109.28	2,869.07	240.21	12.944		
11,500.00	7,148.09	11,036.69	7,070.31	123.76	122.43	88.57	638.13	-2,885.25	3,108.99	2,863.34	245.65	12.656		
11,600.00	7,148.90	11,136.68	7,070.31	126.46	125.17	88.55	638.09	-2,985.25	3,108.70	2,857.60	251.10	12.381		
11,700.00	7,149.71	11,236.68	7,070.32	129.17	127.91	88.54	638.06	-3,085.24	3,108.41	2,851.86	256.56	12.116		
11,800.00	7,150.53	11,336.67	7,070.33	131.89	130.66	88.52	638.03	-3,185.24	3,108.12	2,846.10	262.03	11.862		
11,900.00	7,151.34	11,436.67	7,070.34	134.61	133.42	88.51	637.99	-3,285.24	3,107.84	2,840.33	267.51	11.618		
12,000.00	7,152.16	11,536.67	7,070.35	137.34	136.17	88.49	637.96	-3,385.23	3,107.55	2,834.55	273.00	11.383		
12,100.00	7,152.97	11,636.66	7,070.36	140.07	138.94	88.48	637.93	-3,485.23	3,107.26	2,828.77	278.50	11.157		
12,200.00	7,153.78	11,736.66	7,070.37	142.81	141.70	88.46	637.89	-3,585.23	3,106.98	2,822.97	284.01	10.940		
12,300.00	7,154.60	11,836.66	7,070.38	145.55	144.47	88.45	637.86	-3,685.22	3,106.69	2,817.17	289.52	10.730		
12,400.00	7,155.41	11,936.65	7,070.39	148.30	147.25	88.43	637.82	-3,785.22	3,106.40	2,811.36	295.05	10.529		
12,500.00	7,156.22	12,036.65	7,070.39	151.05	150.03	88.42	637.79	-3,885.21	3,106.12	2,805.54	300.58	10.334		
12,600.00	7,157.04	12,136.64	7,070.40	153.80	152.81	88.40	637.76	-3,985.21	3,105.83	2,799.72	306.11	10.146		
12,700.00	7,157.85	12,236.64	7,070.41	156.56	155.59	88.39	637.72	-4,085.21	3,105.55	2,793.89	311.66	9.965		
12,800.00	7,158.66	12,336.64	7,070.42	159.33	158.37	88.37	637.69	-4,185.20	3,105.26	2,788.05	317.21	9.789		
12,900.00	7,159.48	12,436.63	7,070.43	162.09	161.16	88.36	637.66	-4,285.20	3,104.98	2,782.21	322.76	9.620		
13,000.00	7,160.29	12,536.63	7,070.44	164.86	163.95	88.34	637.62	-4,385.20	3,104.69	2,776.37	328.32	9.456		
13,100.00	7,161.11	12,636.63	7,070.45	167.64	166.75	88.33	637.59	-4,485.19	3,104.41	2,770.51	333.89	9.298		
13,209.97	7,162.00	12,746.59	7,070.46	170.69	169.82	88.31	637.55	-4,595.16	3,104.09	2,764.07	340.02	9.129		
13,210.89	7,162.01	12,747.51	7,070.46	170.72	169.85	88.31	637.55	-4,596.07	3,104.09	2,764.02	340.07	9.128 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	0.47	134.79	1.11	134.79					
100.00	100.00	100.00	100.00	3.28	3.28	0.47	134.79	1.11	134.79	128.22	6.57	20.518		
200.00	200.00	200.00	200.00	3.34	3.34	0.47	134.79	1.11	134.79	128.12	6.67	20.197 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-151.55	134.79	1.11	136.33	129.44	6.89	19.800		
400.00	399.84	402.07	402.05	3.59	3.60	-151.88	133.99	2.75	140.15	132.96	7.19	19.480		
500.00	499.45	504.16	503.99	3.79	3.80	-151.56	131.60	7.65	145.49	137.89	7.60	19.151		
600.00	598.70	606.19	605.61	4.04	4.05	-150.65	127.62	15.81	152.34	144.26	8.08	18.844		
700.00	697.47	708.08	706.71	4.32	4.33	-149.25	122.07	27.19	160.78	152.13	8.65	18.592		
800.00	795.62	809.77	807.08	4.64	4.64	-147.48	114.96	41.77	170.88	161.60	9.28	18.414		
900.00	893.06	911.17	906.54	5.01	5.00	-145.44	106.32	59.49	182.73	172.76	9.97	18.320		
1,000.00	989.64	1,010.64	1,003.58	5.41	5.37	-143.52	96.73	79.16	196.71	185.99	10.72	18.350		
1,100.00	1,085.27	1,109.16	1,099.65	5.85	5.77	-142.34	87.16	98.76	213.53	202.02	11.51	18.546		
1,200.00	1,179.82	1,207.21	1,195.27	6.33	6.18	-141.81	77.65	118.27	233.10	220.75	12.35	18.876		
1,300.00	1,273.17	1,304.69	1,290.33	6.84	6.61	-141.78	68.19	137.66	255.36	242.14	13.22	19.315		
1,404.90	1,369.69	1,406.20	1,389.32	7.43	7.07	-142.15	58.34	157.86	281.59	267.43	14.17	19.878		
1,500.00	1,456.50	1,502.16	1,478.69	8.00	7.51	-142.89	49.44	176.10	306.74	291.68	15.06	20.366		
1,600.00	1,547.79	1,605.80	1,572.66	8.61	7.99	-143.55	40.09	195.27	333.24	317.21	16.03	20.787		
1,700.00	1,639.07	1,709.43	1,666.63	9.23	8.48	-144.11	30.74	214.44	359.76	342.75	17.02	21.139		
1,800.00	1,730.36	1,786.93	1,760.60	9.87	8.86	-144.59	21.39	233.62	386.32	368.42	17.90	21.586		
1,900.00	1,821.64	1,883.29	1,854.58	10.52	9.32	-145.01	12.04	252.79	412.90	394.02	18.87	21.876		
2,000.00	1,912.93	1,979.65	1,948.55	11.18	9.79	-145.38	2.69	271.96	439.49	419.63	19.86	22.128		
2,100.00	2,004.21	2,076.01	2,042.52	11.84	10.27	-145.71	-6.66	291.14	466.10	445.24	20.86	22.347		
2,200.00	2,095.50	2,172.38	2,136.49	12.51	10.75	-146.00	-16.02	310.31	492.72	470.86	21.86	22.540		
2,300.00	2,186.78	2,268.74	2,230.46	13.19	11.23	-146.26	-25.37	329.48	519.36	496.49	22.87	22.710		
2,400.00	2,278.06	2,365.10	2,324.43	13.86	11.71	-146.50	-34.72	348.66	546.00	522.12	23.88	22.861		
2,500.00	2,369.35	2,461.46	2,418.40	14.55	12.19	-146.72	-44.07	367.83	572.65	547.75	24.90	22.995		
2,600.00	2,460.63	2,557.82	2,512.37	15.23	12.68	-146.91	-53.42	387.00	599.31	573.38	25.93	23.116		
2,700.00	2,551.92	2,654.19	2,606.34	15.92	13.17	-147.09	-62.77	406.18	625.97	599.02	26.95	23.224		
2,800.00	2,643.20	2,750.55	2,700.31	16.61	13.66	-147.26	-72.13	425.35	652.64	624.66	27.98	23.322		
2,900.00	2,734.49	2,846.91	2,794.29	17.30	14.15	-147.41	-81.48	444.52	679.32	650.30	29.02	23.410		
3,000.00	2,825.77	2,943.27	2,888.26	18.00	14.64	-147.55	-90.83	463.70	705.99	675.94	30.05	23.491		
3,100.00	2,917.06	3,039.63	2,982.23	18.69	15.14	-147.68	-100.18	482.87	732.68	701.58	31.09	23.564		
3,200.00	3,008.34	3,136.00	3,076.20	19.39	15.63	-147.80	-109.53	502.04	759.36	727.23	32.13	23.632		
3,300.00	3,099.63	3,232.36	3,170.17	20.09	16.13	-147.91	-118.88	521.22	786.05	752.87	33.18	23.693		
3,400.00	3,190.91	3,328.72	3,264.14	20.79	16.62	-148.02	-128.23	540.39	812.74	778.52	34.22	23.750		
3,500.00	3,282.20	3,425.08	3,358.11	21.49	17.12	-148.11	-137.59	559.56	839.43	804.16	35.27	23.803		
3,600.00	3,373.48	3,521.44	3,452.08	22.19	17.61	-148.21	-146.94	578.74	866.12	829.81	36.31	23.851		
3,700.00	3,464.77	3,617.81	3,546.05	22.89	18.11	-148.29	-156.29	597.91	892.82	855.46	37.36	23.896		
3,800.00	3,556.05	3,714.17	3,640.03	23.60	18.61	-148.38	-165.64	617.09	919.52	881.11	38.41	23.938		
3,900.00	3,647.34	3,810.53	3,734.00	24.30	19.11	-148.45	-174.99	636.26	946.22	906.76	39.46	23.977		
4,000.00	3,738.62	3,906.89	3,827.97	25.00	19.61	-148.53	-184.34	655.43	972.92	932.41	40.52	24.014		
4,100.00	3,829.91	4,003.25	3,921.94	25.71	20.11	-148.59	-193.70	674.61	999.62	958.06	41.57	24.047		
4,200.00	3,921.19	4,100.38	4,015.91	26.42	20.61	-148.66	-203.05	693.78	1,026.33	983.70	42.63	24.077		
4,300.00	4,012.48	4,204.02	4,109.88	27.12	21.15	-148.72	-212.40	712.95	1,053.03	1,009.31	43.72	24.087		
4,400.00	4,103.76	4,307.66	4,203.85	27.83	21.69	-148.78	-221.75	732.13	1,079.74	1,034.93	44.81	24.095		
4,500.00	4,195.05	4,388.70	4,297.82	28.54	22.11	-148.84	-231.10	751.30	1,106.45	1,060.66	45.79	24.164		
4,600.00	4,286.33	4,485.07	4,391.79	29.24	22.61	-148.89	-240.45	770.47	1,133.16	1,086.31	46.85	24.188		
4,700.00	4,377.62	4,581.43	4,485.77	29.95	23.12	-148.94	-249.80	789.65	1,159.87	1,111.96	47.90	24.212		
4,800.00	4,468.90	4,677.79	4,579.74	30.66	23.62	-148.99	-259.16	808.82	1,186.58	1,137.61	48.96	24.234		
4,900.00	4,560.19	4,774.15	4,673.71	31.37	24.12	-149.04	-268.51	827.99	1,213.29	1,163.26	50.02	24.255		
5,000.00	4,651.47	4,870.51	4,767.68	32.08	24.62	-149.08	-277.86	847.17	1,240.00	1,188.92	51.08	24.275		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	4,966.88	4,861.65	32.79	25.13	-149.13	-287.21	866.34	1,266.71	1,214.57	52.14	24.294		
5,200.00	4,834.04	5,063.24	4,955.62	33.50	25.63	-149.17	-296.56	885.51	1,293.42	1,240.22	53.20	24.312		
5,300.00	4,925.33	5,159.60	5,049.59	34.21	26.13	-149.21	-305.91	904.69	1,320.14	1,265.87	54.26	24.329		
5,400.00	5,016.61	5,255.96	5,143.56	34.92	26.64	-149.24	-315.27	923.86	1,346.85	1,291.53	55.32	24.345		
5,500.00	5,107.90	5,352.32	5,237.53	35.63	27.14	-149.28	-324.62	943.03	1,373.57	1,317.18	56.39	24.360		
5,600.00	5,199.18	5,448.69	5,331.51	36.34	27.64	-149.32	-333.97	962.21	1,400.28	1,342.83	57.45	24.375		
5,700.00	5,290.46	5,545.05	5,425.48	37.05	28.15	-149.35	-343.32	981.38	1,427.00	1,368.49	58.51	24.389		
5,800.00	5,381.75	5,641.41	5,519.45	37.76	28.65	-149.38	-352.67	1,000.56	1,453.71	1,394.14	59.57	24.402		
5,900.00	5,473.03	5,737.77	5,613.42	38.47	29.16	-149.41	-362.02	1,019.73	1,480.43	1,419.79	60.64	24.415		
6,000.00	5,564.32	5,834.13	5,707.39	39.18	29.66	-149.44	-371.37	1,038.90	1,507.15	1,445.45	61.70	24.427		
6,100.00	5,655.60	5,930.50	5,801.36	39.90	30.16	-149.47	-380.73	1,058.08	1,533.86	1,471.10	62.76	24.439		
6,200.00	5,746.89	6,026.86	5,895.33	40.61	30.67	-149.50	-390.08	1,077.25	1,560.58	1,496.75	63.83	24.450		
6,300.00	5,838.17	6,123.22	5,989.30	41.32	31.17	-149.53	-399.43	1,096.42	1,587.30	1,522.41	64.89	24.461		
6,400.00	5,929.46	6,219.58	6,083.27	42.03	31.68	-149.55	-408.78	1,115.60	1,614.02	1,548.06	65.96	24.471		
6,500.00	6,020.74	6,315.94	6,177.25	42.74	32.18	-149.58	-418.13	1,134.77	1,640.73	1,573.71	67.02	24.481		
6,600.00	6,112.03	6,412.31	6,271.22	43.46	32.69	-149.60	-427.48	1,153.94	1,667.45	1,599.37	68.09	24.490		
6,700.00	6,203.31	6,508.67	6,365.19	44.17	33.19	-149.63	-436.84	1,173.12	1,694.17	1,625.02	69.15	24.499		
6,800.00	6,294.60	6,605.03	6,459.16	44.88	33.70	-149.65	-446.19	1,192.29	1,720.89	1,650.67	70.22	24.508		
6,900.00	6,385.88	6,703.75	6,556.22	45.59	34.18	-149.68	-455.83	1,206.94	1,747.56	1,676.32	71.24	24.530		
6,927.91	6,411.36	6,730.98	6,583.29	45.79	34.29	-149.99	-458.50	1,208.38	1,754.98	1,683.49	71.49	24.550		
6,950.00	6,431.59	6,752.33	6,604.53	45.95	34.37	-154.79	-460.60	1,208.69	1,760.88	1,689.21	71.67	24.568		
7,000.00	6,477.77	6,800.21	6,652.13	46.27	34.54	-166.66	-465.29	1,206.79	1,774.37	1,702.31	72.06	24.624		
7,050.00	6,524.26	6,847.53	6,698.90	46.56	34.69	-179.45	-469.88	1,201.39	1,787.97	1,715.56	72.41	24.692		
7,100.00	6,570.76	6,894.36	6,744.68	46.81	34.84	167.71	-474.36	1,192.62	1,801.61	1,728.86	72.75	24.766		
7,150.00	6,617.00	6,940.77	6,789.28	47.02	34.99	155.71	-478.72	1,180.62	1,815.18	1,742.11	73.07	24.841		
7,200.00	6,662.68	6,986.80	6,832.56	47.20	35.15	145.15	-482.92	1,165.52	1,828.60	1,755.21	73.39	24.915		
7,250.00	6,707.53	7,032.53	6,874.35	47.34	35.31	136.17	-486.97	1,147.45	1,841.79	1,768.06	73.72	24.982		
7,300.00	6,751.28	7,077.99	6,914.52	47.47	35.49	128.67	-490.85	1,126.55	1,854.65	1,780.58	74.07	25.040		
7,350.00	6,793.64	7,123.24	6,952.93	47.57	35.67	122.43	-494.55	1,102.93	1,867.11	1,792.68	74.43	25.085		
7,400.00	6,834.35	7,168.31	6,989.44	47.66	35.87	117.21	-498.04	1,076.74	1,879.08	1,804.26	74.82	25.114		
7,450.00	6,873.18	7,213.25	7,023.92	47.75	36.09	112.83	-501.33	1,048.12	1,890.50	1,815.25	75.25	25.124		
7,500.00	6,909.88	7,258.09	7,056.22	47.83	36.33	109.14	-504.39	1,017.19	1,901.28	1,825.57	75.71	25.112		
7,550.00	6,944.21	7,302.86	7,086.24	47.91	36.59	106.00	-507.22	984.11	1,911.36	1,835.13	76.22	25.076		
7,600.00	6,975.98	7,347.57	7,113.84	47.99	36.88	103.34	-509.80	949.04	1,920.67	1,843.88	76.79	25.011		
7,650.00	7,004.98	7,392.25	7,138.91	48.09	37.20	101.08	-512.12	912.14	1,929.16	1,851.74	77.43	24.916		
7,700.00	7,031.04	7,436.92	7,161.33	48.20	37.54	99.18	-514.17	873.57	1,936.78	1,858.66	78.13	24.790		
7,750.00	7,053.99	7,481.57	7,181.00	48.32	37.92	97.59	-515.95	833.53	1,943.48	1,864.58	78.90	24.632		
7,800.00	7,073.70	7,526.23	7,197.83	48.46	38.33	96.28	-517.44	792.20	1,949.22	1,869.47	79.75	24.443		
7,850.00	7,090.03	7,570.90	7,211.75	48.62	38.76	95.24	-518.64	749.79	1,953.96	1,873.29	80.67	24.222		
7,900.00	7,102.90	7,615.57	7,222.66	48.81	39.23	94.44	-519.54	706.49	1,957.67	1,876.00	81.66	23.972		
7,950.00	7,112.22	7,660.24	7,230.54	49.02	39.72	93.88	-520.14	662.53	1,960.33	1,877.60	82.73	23.696		
8,000.00	7,117.94	7,704.92	7,235.32	49.26	40.24	93.54	-520.43	618.12	1,961.93	1,878.08	83.85	23.398		
8,047.82	7,120.00	7,752.78	7,237.00	49.51	40.81	93.42	-520.42	575.72	1,962.45	1,877.41	85.04	23.076		
8,100.00	7,120.42	7,800.47	7,237.09	49.82	41.41	93.41	-520.22	523.55	1,962.49	1,876.19	86.31	22.738		
8,200.00	7,121.24	7,900.47	7,237.28	50.53	42.79	93.39	-519.83	423.55	1,962.57	1,873.50	89.07	22.033		
8,300.00	7,122.05	8,000.47	7,237.47	51.39	44.32	93.37	-519.44	323.55	1,962.65	1,870.54	92.11	21.307		
8,400.00	7,122.86	8,100.48	7,237.65	52.42	45.98	93.35	-519.05	223.56	1,962.73	1,867.34	95.40	20.575		
8,500.00	7,123.68	8,200.48	7,237.84	53.63	47.76	93.33	-518.66	123.56	1,962.81	1,863.91	98.90	19.846		
8,600.00	7,124.49	8,300.48	7,238.02	55.01	49.64	93.32	-518.26	23.56	1,962.89	1,860.29	102.60	19.131		
8,700.00	7,125.30	8,400.48	7,238.21	56.54	51.62	93.30	-517.87	-76.43	1,962.97	1,856.49	106.48	18.435		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	8,500.48	7,238.40	58.21	53.68	93.28	-517.48	-176.43	1,963.05	1,852.53	110.52	17.762		
8,900.00	7,126.93	8,600.49	7,238.58	60.01	55.80	93.26	-517.09	-276.43	1,963.13	1,848.42	114.70	17.115		
9,000.00	7,127.75	8,700.49	7,238.77	61.92	58.00	93.24	-516.70	-376.43	1,963.21	1,844.20	119.01	16.496		
9,100.00	7,128.56	8,800.49	7,238.96	63.92	60.25	93.22	-516.31	-476.42	1,963.29	1,839.85	123.44	15.905		
9,200.00	7,129.37	8,900.49	7,239.14	66.01	62.55	93.21	-515.92	-576.42	1,963.37	1,835.41	127.96	15.344		
9,300.00	7,130.19	9,000.49	7,239.33	68.16	64.90	93.19	-515.53	-676.42	1,963.45	1,830.87	132.58	14.810		
9,400.00	7,131.00	9,100.50	7,239.51	70.38	67.28	93.17	-515.14	-776.41	1,963.53	1,826.26	137.28	14.304		
9,500.00	7,131.81	9,200.50	7,239.70	72.65	69.71	93.15	-514.75	-876.41	1,963.61	1,821.56	142.05	13.824		
9,600.00	7,132.63	9,300.50	7,239.89	74.97	72.16	93.13	-514.36	-976.41	1,963.69	1,816.81	146.89	13.369		
9,700.00	7,133.44	9,400.50	7,240.07	77.33	74.64	93.11	-513.97	-1,076.41	1,963.78	1,811.99	151.79	12.937		
9,800.00	7,134.25	9,500.50	7,240.26	79.72	77.16	93.09	-513.58	-1,176.40	1,963.86	1,807.11	156.75	12.529		
9,900.00	7,135.07	9,600.51	7,240.45	82.16	79.69	93.08	-513.19	-1,276.40	1,963.94	1,802.19	161.75	12.142		
10,000.00	7,135.88	9,700.51	7,240.63	84.62	82.25	93.06	-512.80	-1,376.40	1,964.02	1,797.22	166.80	11.774		
10,100.00	7,136.70	9,800.51	7,240.82	87.11	84.82	93.04	-512.40	-1,476.39	1,964.10	1,792.21	171.90	11.426		
10,200.00	7,137.51	9,900.51	7,241.00	89.62	87.42	93.02	-512.01	-1,576.39	1,964.19	1,787.16	177.03	11.095		
10,300.00	7,138.32	10,000.51	7,241.19	92.16	90.03	93.00	-511.62	-1,676.39	1,964.27	1,782.08	182.19	10.781		
10,400.00	7,139.14	10,100.52	7,241.38	94.71	92.65	92.98	-511.23	-1,776.38	1,964.35	1,776.96	187.39	10.483		
10,500.00	7,139.95	10,200.52	7,241.56	97.29	95.29	92.97	-510.84	-1,876.38	1,964.44	1,771.82	192.62	10.199		
10,600.00	7,140.76	10,300.52	7,241.75	99.88	97.94	92.95	-510.45	-1,976.38	1,964.52	1,766.65	197.87	9.928		
10,700.00	7,141.58	10,400.52	7,241.94	102.48	100.60	92.93	-510.06	-2,076.38	1,964.60	1,761.45	203.15	9.671		
10,800.00	7,142.39	10,500.53	7,242.12	105.10	103.28	92.91	-509.67	-2,176.37	1,964.69	1,756.23	208.45	9.425		
10,900.00	7,143.20	10,600.53	7,242.31	107.74	105.96	92.89	-509.28	-2,276.37	1,964.77	1,750.99	213.78	9.191		
11,000.00	7,144.02	10,700.53	7,242.49	110.38	108.65	92.87	-508.89	-2,376.37	1,964.86	1,745.74	219.12	8.967		
11,100.00	7,144.83	10,800.53	7,242.68	113.04	111.35	92.85	-508.50	-2,476.36	1,964.94	1,740.46	224.48	8.753		
11,200.00	7,145.65	10,900.53	7,242.87	115.71	114.06	92.84	-508.11	-2,576.36	1,965.03	1,735.16	229.86	8.549		
11,300.00	7,146.46	10,999.47	7,243.05	118.38	116.75	92.82	-507.72	-2,676.36	1,965.11	1,729.88	235.23	8.354		
11,400.00	7,147.27	11,100.54	7,243.24	121.07	119.50	92.80	-507.33	-2,776.35	1,965.20	1,724.53	240.67	8.166		
11,500.00	7,148.09	11,200.54	7,243.43	123.76	122.23	92.78	-506.94	-2,876.35	1,965.28	1,719.19	246.09	7.986		
11,600.00	7,148.90	11,299.46	7,243.61	126.46	124.94	92.76	-506.54	-2,976.35	1,965.37	1,713.87	251.50	7.815		
11,700.00	7,149.71	11,400.54	7,243.80	129.17	127.71	92.74	-506.15	-3,076.35	1,965.45	1,708.48	256.98	7.648		
11,800.00	7,150.53	11,500.55	7,243.99	131.89	130.45	92.73	-505.76	-3,176.34	1,965.54	1,703.10	262.44	7.490		
11,900.00	7,151.34	11,600.55	7,244.17	134.61	133.20	92.71	-505.37	-3,276.34	1,965.62	1,697.72	267.91	7.337		
12,000.00	7,152.16	11,700.55	7,244.36	137.34	135.96	92.69	-504.98	-3,376.34	1,965.71	1,692.32	273.39	7.190		
12,100.00	7,152.97	11,800.55	7,244.54	140.07	138.72	92.67	-504.59	-3,476.33	1,965.80	1,686.92	278.88	7.049		
12,200.00	7,153.78	11,900.55	7,244.73	142.81	141.48	92.65	-504.20	-3,576.33	1,965.88	1,681.50	284.38	6.913		
12,300.00	7,154.60	12,000.56	7,244.92	145.55	144.25	92.63	-503.81	-3,676.33	1,965.97	1,676.08	289.89	6.782		
12,400.00	7,155.41	12,100.56	7,245.10	148.30	147.02	92.62	-503.42	-3,776.32	1,966.06	1,670.65	295.41	6.655		
12,500.00	7,156.22	12,200.56	7,245.29	151.05	149.80	92.60	-503.03	-3,876.32	1,966.15	1,665.22	300.93	6.534		
12,600.00	7,157.04	12,300.56	7,245.48	153.80	152.57	92.58	-502.64	-3,976.32	1,966.23	1,659.77	306.46	6.416		
12,700.00	7,157.85	12,400.56	7,245.66	156.56	155.35	92.56	-502.25	-4,076.32	1,966.32	1,654.32	312.00	6.302		
12,800.00	7,158.66	12,500.57	7,245.85	159.33	158.14	92.54	-501.86	-4,176.31	1,966.41	1,648.86	317.54	6.193		
12,900.00	7,159.48	12,600.57	7,246.03	162.09	160.92	92.52	-501.47	-4,276.31	1,966.50	1,643.40	323.09	6.086		
13,000.00	7,160.29	12,700.57	7,246.22	164.86	163.71	92.50	-501.08	-4,376.31	1,966.59	1,637.93	328.65	5.984		
13,100.00	7,161.11	12,800.57	7,246.41	167.64	166.51	92.49	-500.68	-4,476.30	1,966.67	1,632.46	334.21	5.884		
13,209.97	7,162.00	12,909.40	7,246.61	170.69	169.55	92.47	-500.26	-4,586.27	1,966.77	1,626.47	340.30	5.779		
13,210.89	7,162.01	12,910.31	7,246.61	170.72	169.57	92.47	-500.25	-4,587.19	1,966.77	1,626.42	340.36	5.779 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	0.53	149.73	1.39	149.74					
100.00	100.00	100.00	100.00	3.28	3.28	0.53	149.73	1.39	149.74	143.17	6.57	22.793		
200.00	200.00	200.00	200.00	3.34	3.34	0.53	149.73	1.39	149.74	143.06	6.67	22.436 CC, ES		
300.00	299.98	300.84	300.82	3.44	3.44	-150.79	149.42	3.14	150.98	144.09	6.88	21.933		
400.00	399.84	401.55	401.38	3.59	3.60	-149.77	148.50	8.37	154.73	147.54	7.19	21.517		
500.00	499.45	501.96	501.41	3.79	3.81	-148.16	146.97	17.05	161.08	153.49	7.59	21.211		
600.00	598.70	601.96	600.65	4.04	4.05	-146.11	144.84	29.12	170.14	162.06	8.08	21.049		
700.00	697.47	701.41	698.85	4.32	4.34	-143.78	142.13	44.49	182.02	173.37	8.65	21.046		
800.00	795.62	800.18	795.80	4.64	4.66	-141.31	138.85	63.08	196.81	187.53	9.29	21.195		
900.00	893.06	901.63	891.82	5.01	5.03	-139.23	135.29	83.30	214.54	204.54	10.00	21.459		
1,000.00	989.64	1,003.82	987.47	5.41	5.42	-137.97	131.74	103.44	235.00	224.23	10.77	21.826		
1,100.00	1,085.27	1,106.52	1,082.62	5.85	5.84	-137.37	128.20	123.48	258.01	246.43	11.59	22.270		
1,200.00	1,179.82	1,209.84	1,177.16	6.33	6.28	-137.27	124.69	143.39	283.53	271.08	12.45	22.776		
1,300.00	1,273.17	1,286.10	1,270.97	6.84	6.61	-137.54	121.21	163.14	311.54	298.31	13.23	23.550		
1,404.90	1,369.69	1,385.81	1,368.48	7.43	7.05	-138.10	117.59	183.67	343.63	329.46	14.16	24.259		
1,500.00	1,456.50	1,475.73	1,456.42	8.00	7.46	-139.05	114.32	202.19	374.04	359.01	15.03	24.884		
1,600.00	1,547.79	1,570.29	1,548.89	8.61	7.90	-139.90	110.89	221.67	406.11	390.15	15.96	25.451		
1,700.00	1,639.07	1,664.86	1,641.36	9.23	8.34	-140.62	107.46	241.14	438.25	421.35	16.90	25.936		
1,800.00	1,730.36	1,759.42	1,733.83	9.87	8.78	-141.25	104.02	260.61	470.44	452.59	17.85	26.354		
1,900.00	1,821.64	1,853.98	1,826.30	10.52	9.23	-141.79	100.59	280.09	502.67	483.85	18.82	26.716		
2,000.00	1,912.93	1,948.54	1,918.77	11.18	9.69	-142.27	97.15	299.56	534.94	515.15	19.79	27.032		
2,100.00	2,004.21	2,043.10	2,011.24	11.84	10.15	-142.70	93.72	319.03	567.24	546.47	20.77	27.309		
2,200.00	2,095.50	2,137.66	2,103.71	12.51	10.61	-143.08	90.29	338.50	599.57	577.81	21.76	27.554		
2,300.00	2,186.78	2,232.22	2,196.18	13.19	11.07	-143.42	86.85	357.98	631.91	609.16	22.75	27.771		
2,400.00	2,278.06	2,326.78	2,288.65	13.86	11.53	-143.73	83.42	377.45	664.28	640.52	23.75	27.965		
2,500.00	2,369.35	2,421.34	2,381.12	14.55	12.00	-144.01	79.99	396.92	696.66	671.90	24.76	28.139		
2,600.00	2,460.63	2,515.90	2,473.59	15.23	12.47	-144.26	76.55	416.40	729.05	703.28	25.77	28.295		
2,700.00	2,551.92	2,610.46	2,566.06	15.92	12.93	-144.49	73.12	435.87	761.45	734.68	26.78	28.436		
2,800.00	2,643.20	2,705.02	2,658.53	16.61	13.41	-144.71	69.69	455.34	793.87	766.08	27.79	28.564		
2,900.00	2,734.49	2,800.42	2,751.00	17.30	13.88	-144.90	66.25	474.81	826.29	797.48	28.81	28.676		
3,000.00	2,825.77	2,905.86	2,843.47	18.00	14.41	-145.08	62.82	494.29	858.73	828.84	29.89	28.730		
3,100.00	2,917.06	2,988.70	2,935.94	18.69	14.82	-145.25	59.39	513.76	891.17	860.31	30.85	28.884		
3,200.00	3,008.34	3,083.27	3,028.41	19.39	15.30	-145.41	55.95	533.23	923.61	891.73	31.88	28.973		
3,300.00	3,099.63	3,177.83	3,120.88	20.09	15.77	-145.56	52.52	552.71	956.06	923.16	32.90	29.056		
3,400.00	3,190.91	3,272.39	3,213.35	20.79	16.25	-145.69	49.08	572.18	988.52	954.59	33.93	29.132		
3,500.00	3,282.20	3,366.95	3,305.82	21.49	16.73	-145.82	45.65	591.65	1,020.98	986.02	34.96	29.202		
3,600.00	3,373.48	3,461.51	3,398.29	22.19	17.20	-145.94	42.22	611.12	1,053.45	1,017.46	35.99	29.268		
3,700.00	3,464.77	3,556.07	3,490.76	22.89	17.68	-146.05	38.78	630.60	1,085.92	1,048.89	37.03	29.329		
3,800.00	3,556.05	3,650.63	3,583.23	23.60	18.16	-146.16	35.35	650.07	1,118.39	1,080.33	38.06	29.386		
3,900.00	3,647.34	3,745.19	3,675.70	24.30	18.64	-146.26	31.92	669.54	1,150.87	1,111.77	39.09	29.439		
4,000.00	3,738.62	3,839.75	3,768.17	25.00	19.12	-146.36	28.48	689.02	1,183.35	1,143.22	40.13	29.488		
4,100.00	3,829.91	3,934.31	3,860.64	25.71	19.60	-146.45	25.05	708.49	1,215.83	1,174.67	41.17	29.535		
4,200.00	3,921.19	4,028.87	3,953.11	26.42	20.08	-146.53	21.62	727.96	1,248.32	1,206.11	42.20	29.579		
4,300.00	4,012.48	4,123.43	4,045.58	27.12	20.56	-146.61	18.18	747.43	1,280.80	1,237.56	43.24	29.620		
4,400.00	4,103.76	4,217.99	4,138.06	27.83	21.04	-146.69	14.75	766.91	1,313.29	1,269.01	44.28	29.658		
4,500.00	4,195.05	4,312.55	4,230.53	28.54	21.52	-146.76	11.32	786.38	1,345.78	1,300.46	45.32	29.695		
4,600.00	4,286.33	4,407.12	4,323.00	29.24	22.00	-146.83	7.88	805.85	1,378.28	1,331.92	46.36	29.729		
4,700.00	4,377.62	4,501.68	4,415.47	29.95	22.48	-146.90	4.45	825.33	1,410.77	1,363.37	47.40	29.762		
4,800.00	4,468.90	4,603.76	4,507.94	30.66	23.00	-146.96	1.01	844.80	1,443.27	1,394.79	48.48	29.769		
4,900.00	4,560.19	4,709.20	4,600.41	31.37	23.54	-147.02	-2.42	864.27	1,475.77	1,426.19	49.58	29.766		
5,000.00	4,651.47	4,785.36	4,692.88	32.08	23.93	-147.08	-5.85	883.74	1,508.27	1,457.74	50.53	29.850		

CC - Min centre 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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.00	4,742.76	4,879.92	4,785.35	32.79	24.41	-147.14	-9.29	903.22	1,540.77	1,489.20	51.57	29.876		
5,200.00	4,834.04	4,974.48	4,877.82	33.50	24.90	-147.19	-12.72	922.69	1,573.27	1,520.66	52.61	29.902		
5,300.00	4,925.33	5,069.04	4,970.29	34.21	25.38	-147.24	-16.15	942.16	1,605.78	1,552.12	53.66	29.926		
5,400.00	5,016.61	5,163.60	5,062.76	34.92	25.86	-147.29	-19.59	961.64	1,638.28	1,583.58	54.70	29.948		
5,500.00	5,107.90	5,258.16	5,155.23	35.63	26.35	-147.34	-23.02	981.11	1,670.79	1,615.04	55.75	29.970		
5,600.00	5,199.18	5,352.72	5,247.70	36.34	26.83	-147.38	-26.45	1,000.58	1,703.29	1,646.50	56.79	29.991		
5,700.00	5,290.46	5,447.28	5,340.17	37.05	27.31	-147.43	-29.89	1,020.05	1,735.80	1,677.96	57.84	30.011		
5,800.00	5,381.75	5,541.84	5,432.64	37.76	27.80	-147.47	-33.32	1,039.53	1,768.31	1,709.42	58.89	30.030		
5,900.00	5,473.03	5,636.40	5,525.11	38.47	28.28	-147.51	-36.76	1,059.00	1,800.82	1,740.89	59.93	30.048		
6,000.00	5,564.32	5,730.96	5,617.58	39.18	28.76	-147.55	-40.19	1,078.47	1,833.33	1,772.35	60.98	30.065		
6,100.00	5,655.60	5,825.53	5,710.05	39.90	29.25	-147.59	-43.62	1,097.95	1,865.84	1,803.81	62.03	30.082		
6,200.00	5,746.89	5,920.09	5,802.52	40.61	29.73	-147.62	-47.06	1,117.42	1,898.35	1,835.28	63.07	30.098		
6,300.00	5,838.17	6,014.65	5,894.99	41.32	30.22	-147.66	-50.49	1,136.89	1,930.86	1,866.74	64.12	30.113		
6,400.00	5,929.46	6,109.21	5,987.46	42.03	30.70	-147.69	-53.92	1,156.36	1,963.37	1,898.21	65.17	30.128		
6,500.00	6,020.74	6,203.77	6,079.93	42.74	31.19	-147.72	-57.36	1,175.84	1,995.89	1,929.67	66.22	30.142		
6,600.00	6,112.03	6,298.33	6,172.40	43.46	31.67	-147.76	-60.79	1,195.31	2,028.40	1,961.14	67.26	30.156		
6,700.00	6,203.31	6,405.39	6,278.43	44.17	32.15	-148.05	-64.76	1,208.55	2,060.63	1,992.29	68.34	30.154		
6,800.00	6,294.60	6,506.88	6,379.67	44.88	32.51	-148.79	-68.61	1,204.54	2,092.47	2,023.30	69.17	30.249		
6,900.00	6,385.88	6,598.62	6,469.59	45.59	32.82	-149.82	-72.08	1,187.10	2,124.46	2,054.59	69.87	30.406		
6,927.91	6,411.36	6,622.18	6,492.20	45.79	32.91	-150.13	-72.96	1,180.55	2,133.51	2,063.46	70.04	30.460		
6,950.00	6,431.59	6,640.35	6,509.46	45.95	32.98	-155.20	-73.64	1,174.92	2,140.73	2,070.56	70.17	30.506		
7,000.00	6,477.77	6,680.74	6,547.22	46.27	33.13	-167.66	-75.12	1,160.67	2,157.37	2,086.91	70.46	30.620		
7,050.00	6,524.26	6,720.23	6,583.19	46.56	33.30	178.96	-76.55	1,144.44	2,174.28	2,103.56	70.72	30.745		
7,100.00	6,570.76	6,758.97	6,617.43	46.81	33.47	165.54	-77.91	1,126.39	2,191.32	2,120.35	70.97	30.876		
7,150.00	6,617.00	6,797.07	6,649.98	47.02	33.65	152.98	-79.21	1,106.63	2,208.37	2,137.16	71.22	31.010		
7,200.00	6,662.68	6,834.65	6,680.86	47.20	33.84	141.87	-80.46	1,085.27	2,225.30	2,153.83	71.47	31.138		
7,250.00	6,707.53	6,871.78	6,710.09	47.34	34.04	132.37	-81.65	1,062.41	2,241.98	2,170.25	71.72	31.259		
7,300.00	6,751.28	6,908.55	6,737.67	47.47	34.25	124.38	-82.79	1,038.13	2,258.28	2,186.28	71.99	31.367		
7,350.00	6,793.64	6,945.01	6,763.59	47.57	34.48	117.67	-83.86	1,012.52	2,274.09	2,201.80	72.29	31.459		
7,400.00	6,834.35	6,981.21	6,787.84	47.66	34.72	112.02	-84.88	985.66	2,289.30	2,216.69	72.61	31.528		
7,450.00	6,873.18	7,017.21	6,810.40	47.75	34.99	107.24	-85.84	957.63	2,303.80	2,230.83	72.97	31.573		
7,500.00	6,909.88	7,053.05	6,831.25	47.83	35.26	103.18	-86.74	928.51	2,317.50	2,244.13	73.36	31.590		
7,550.00	6,944.21	7,088.74	6,850.35	47.91	35.56	99.72	-87.57	898.37	2,330.29	2,256.48	73.81	31.573		
7,600.00	6,975.98	7,124.32	6,867.69	47.99	35.88	96.77	-88.34	867.32	2,342.10	2,267.79	74.31	31.519		
7,650.00	7,004.98	7,159.81	6,883.23	48.09	36.21	94.25	-89.05	835.42	2,352.85	2,277.98	74.86	31.428		
7,700.00	7,031.04	7,195.23	6,896.94	48.20	36.57	92.13	-89.68	802.78	2,362.46	2,286.97	75.49	31.296		
7,750.00	7,053.99	7,230.58	6,908.79	48.32	36.95	90.35	-90.26	769.48	2,370.89	2,294.70	76.19	31.120		
7,800.00	7,073.70	7,265.88	6,918.77	48.46	37.34	88.89	-90.76	735.63	2,378.06	2,301.11	76.95	30.902		
7,850.00	7,090.03	7,300.00	6,926.62	48.62	37.73	87.72	-91.18	702.43	2,383.95	2,306.16	77.78	30.649		
7,900.00	7,102.90	7,336.34	6,933.01	48.81	38.17	86.82	-91.55	666.66	2,388.50	2,309.79	78.71	30.345		
7,950.00	7,112.22	7,371.52	6,937.24	49.02	38.61	86.19	-91.84	631.75	2,391.70	2,312.01	79.69	30.011		
8,000.00	7,117.94	7,406.65	6,939.54	49.26	39.05	85.81	-92.05	596.70	2,393.52	2,312.78	80.74	29.645		
8,047.82	7,120.00	7,444.94	6,940.04	49.51	39.56	85.69	-92.21	558.41	2,393.95	2,312.11	81.84	29.253		
8,100.00	7,120.42	7,502.88	6,940.18	49.82	40.35	85.68	-92.41	506.24	2,393.63	2,310.37	83.27	28.746		
8,200.00	7,121.24	7,602.89	6,940.45	50.53	41.85	85.66	-92.78	406.24	2,393.03	2,306.92	86.10	27.793		
8,300.00	7,122.05	7,702.89	6,940.71	51.39	43.49	85.65	-93.16	306.25	2,392.42	2,303.21	89.21	26.818		
8,400.00	7,122.86	7,802.90	6,940.98	52.42	45.24	85.64	-93.53	206.25	2,391.81	2,299.25	92.57	25.839		
8,500.00	7,123.68	7,902.90	6,941.25	53.63	47.11	85.62	-93.91	106.26	2,391.21	2,295.06	96.14	24.871		
8,600.00	7,124.49	8,002.90	6,941.51	55.01	49.07	85.61	-94.28	6.26	2,390.60	2,290.68	99.92	23.926		
8,700.00	7,125.30	8,102.91	6,941.78	56.54	51.12	85.59	-94.66	-93.73	2,389.99	2,286.13	103.87	23.010		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	8,202.91	6,942.04	58.21	53.25	85.58	-95.03	-193.73	2,389.39	2,281.41	107.97	22.129		
8,900.00	7,126.93	8,302.91	6,942.31	60.01	55.44	85.56	-95.41	-293.72	2,388.78	2,276.56	112.22	21.287		
9,000.00	7,127.75	8,402.92	6,942.58	61.92	57.69	85.55	-95.78	-393.72	2,388.18	2,271.59	116.59	20.484		
9,100.00	7,128.56	8,502.92	6,942.84	63.92	59.99	85.54	-96.16	-493.71	2,387.57	2,266.50	121.07	19.721		
9,200.00	7,129.37	8,602.92	6,943.11	66.01	62.33	85.52	-96.54	-593.71	2,386.97	2,261.32	125.65	18.997		
9,300.00	7,130.19	8,702.93	6,943.37	68.16	64.72	85.51	-96.91	-693.70	2,386.36	2,256.05	130.31	18.312		
9,400.00	7,131.00	8,802.93	6,943.64	70.38	67.15	85.49	-97.29	-793.70	2,385.76	2,250.70	135.06	17.664		
9,500.00	7,131.81	8,902.94	6,943.91	72.65	69.61	85.48	-97.66	-893.70	2,385.15	2,245.27	139.88	17.052		
9,600.00	7,132.63	9,002.94	6,944.17	74.97	72.10	85.46	-98.04	-993.69	2,384.55	2,239.79	144.76	16.473		
9,700.00	7,133.44	9,102.94	6,944.44	77.33	74.61	85.45	-98.41	-1,093.69	2,383.94	2,234.24	149.70	15.925		
9,800.00	7,134.25	9,202.95	6,944.70	79.72	77.15	85.44	-98.79	-1,193.68	2,383.34	2,228.65	154.69	15.407		
9,900.00	7,135.07	9,302.95	6,944.97	82.16	79.71	85.42	-99.16	-1,293.68	2,382.73	2,223.01	159.73	14.918		
10,000.00	7,135.88	9,402.95	6,945.24	84.62	82.29	85.41	-99.54	-1,393.67	2,382.13	2,217.32	164.81	14.454		
10,100.00	7,136.70	9,502.96	6,945.50	87.11	84.89	85.39	-99.91	-1,493.67	2,381.52	2,211.60	169.93	14.015		
10,200.00	7,137.51	9,602.96	6,945.77	89.62	87.50	85.38	-100.29	-1,593.66	2,380.92	2,205.84	175.08	13.599		
10,300.00	7,138.32	9,702.96	6,946.03	92.16	90.13	85.36	-100.66	-1,693.66	2,380.32	2,200.05	180.27	13.204		
10,400.00	7,139.14	9,802.97	6,946.30	94.71	92.78	85.35	-101.04	-1,793.65	2,379.71	2,194.22	185.49	12.829		
10,500.00	7,139.95	9,902.97	6,946.57	97.29	95.43	85.33	-101.41	-1,893.65	2,379.11	2,188.37	190.74	12.473		
10,600.00	7,140.76	10,002.98	6,946.83	99.88	98.10	85.32	-101.79	-1,993.64	2,378.51	2,182.50	196.01	12.135		
10,700.00	7,141.58	10,102.98	6,947.10	102.48	100.78	85.31	-102.16	-2,093.64	2,377.90	2,176.60	201.30	11.813		
10,800.00	7,142.39	10,202.98	6,947.36	105.10	103.46	85.29	-102.54	-2,193.64	2,377.30	2,170.69	206.62	11.506		
10,900.00	7,143.20	10,302.99	6,947.63	107.74	106.16	85.28	-102.92	-2,293.63	2,376.70	2,164.75	211.95	11.213		
11,000.00	7,144.02	10,402.99	6,947.90	110.38	108.86	85.26	-103.29	-2,393.63	2,376.10	2,158.79	217.30	10.934		
11,100.00	7,144.83	10,502.99	6,948.16	113.04	111.58	85.25	-103.67	-2,493.62	2,375.49	2,152.82	222.67	10.668		
11,200.00	7,145.65	10,603.00	6,948.43	115.71	114.29	85.23	-104.04	-2,593.62	2,374.89	2,146.83	228.06	10.414		
11,300.00	7,146.46	10,703.00	6,948.70	118.38	117.02	85.22	-104.42	-2,693.61	2,374.29	2,140.83	233.46	10.170		
11,400.00	7,147.27	10,803.00	6,948.96	121.07	119.75	85.20	-104.79	-2,793.61	2,373.69	2,134.81	238.87	9.937		
11,500.00	7,148.09	10,903.01	6,949.23	123.76	122.49	85.19	-105.17	-2,893.60	2,373.08	2,128.79	244.30	9.714		
11,600.00	7,148.90	11,003.01	6,949.49	126.46	125.23	85.18	-105.54	-2,993.60	2,372.48	2,122.75	249.74	9.500		
11,700.00	7,149.71	11,103.01	6,949.76	129.17	127.98	85.16	-105.92	-3,093.59	2,371.88	2,116.69	255.19	9.295		
11,800.00	7,150.53	11,203.02	6,950.03	131.89	130.74	85.15	-106.29	-3,193.59	2,371.28	2,110.63	260.65	9.098		
11,900.00	7,151.34	11,303.02	6,950.29	134.61	133.49	85.13	-106.67	-3,293.58	2,370.68	2,104.56	266.12	8.908		
12,000.00	7,152.16	11,403.03	6,950.56	137.34	136.26	85.12	-107.04	-3,393.58	2,370.08	2,098.48	271.60	8.727		
12,100.00	7,152.97	11,503.03	6,950.82	140.07	139.02	85.10	-107.42	-3,493.57	2,369.48	2,092.39	277.08	8.552		
12,200.00	7,153.78	11,603.03	6,951.09	142.81	141.79	85.09	-107.79	-3,593.57	2,368.88	2,086.30	282.58	8.383		
12,300.00	7,154.60	11,703.04	6,951.36	145.55	144.56	85.07	-108.17	-3,693.57	2,368.28	2,080.20	288.08	8.221		
12,400.00	7,155.41	11,803.04	6,951.62	148.30	147.34	85.06	-108.54	-3,793.56	2,367.67	2,074.09	293.59	8.065		
12,500.00	7,156.22	11,903.04	6,951.89	151.05	150.12	85.04	-108.92	-3,893.56	2,367.07	2,067.97	299.11	7.914		
12,600.00	7,157.04	12,003.05	6,952.15	153.80	152.90	85.03	-109.30	-3,993.55	2,366.47	2,061.85	304.63	7.768		
12,700.00	7,157.85	12,103.05	6,952.42	156.56	155.69	85.02	-109.67	-4,093.55	2,365.87	2,055.72	310.16	7.628		
12,800.00	7,158.66	12,203.05	6,952.69	159.33	158.47	85.00	-110.05	-4,193.54	2,365.27	2,049.58	315.69	7.492		
12,900.00	7,159.48	12,303.06	6,952.95	162.09	161.26	84.99	-110.42	-4,293.54	2,364.67	2,043.44	321.23	7.361		
13,000.00	7,160.29	12,403.06	6,953.22	164.86	164.06	84.97	-110.80	-4,393.53	2,364.08	2,037.30	326.78	7.235		
13,100.00	7,161.11	12,503.07	6,953.48	167.64	166.85	84.96	-111.17	-4,493.53	2,363.48	2,031.15	332.33	7.112		
13,209.97	7,162.00	12,606.90	6,953.78	170.69	169.76	84.94	-111.58	-4,603.49	2,362.82	2,024.55	338.26	6.985		
13,210.89	7,162.01	12,607.82	6,953.78	170.72	169.78	84.94	-111.59	-4,604.41	2,362.81	2,024.50	338.32	6.984 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	0.48	164.66	1.39	164.66						
100.00	100.00	100.00	100.00	3.28	3.28	0.48	164.66	1.39	164.66	158.09	6.57	25.065			
200.00	200.00	200.00	200.00	3.34	3.34	0.48	164.66	1.39	164.66	157.99	6.67	24.672 CC, ES			
300.00	299.98	299.98	299.98	3.44	3.44	-151.47	164.66	1.39	166.20	159.31	6.89	24.138			
400.00	399.84	400.44	400.42	3.59	3.60	-151.68	164.49	3.14	170.63	163.44	7.19	23.724			
500.00	499.45	500.75	500.58	3.79	3.80	-151.26	163.98	8.39	177.80	170.22	7.59	23.428			
600.00	598.70	600.75	600.20	4.04	4.04	-150.29	163.14	17.09	187.73	179.66	8.07	23.264			
700.00	697.47	700.28	698.98	4.32	4.31	-148.89	161.98	29.18	200.48	191.86	8.62	23.250			
800.00	795.62	799.18	796.66	4.64	4.62	-147.19	160.49	44.57	216.12	206.88	9.24	23.385			
900.00	893.06	897.32	893.00	5.01	4.96	-145.30	158.70	63.15	234.72	224.80	9.92	23.657			
1,000.00	989.64	1,005.41	987.81	5.41	5.36	-143.34	156.62	84.76	256.34	245.64	10.70	23.954			
1,100.00	1,085.27	1,108.64	1,081.86	5.85	5.78	-141.78	154.43	107.44	280.88	269.36	11.52	24.384			
1,200.00	1,179.82	1,187.52	1,175.32	6.33	6.12	-140.80	152.26	129.98	308.14	295.87	12.28	25.101			
1,300.00	1,273.17	1,282.94	1,268.06	6.84	6.54	-140.27	150.10	152.34	338.02	324.87	13.14	25.722			
1,404.90	1,369.69	1,382.13	1,364.46	7.43	6.99	-140.08	147.86	175.59	372.10	358.02	14.08	26.426			
1,500.00	1,456.50	1,471.59	1,451.41	8.00	7.41	-140.45	145.83	196.55	404.27	389.31	14.95	27.035			
1,600.00	1,547.79	1,565.66	1,542.83	8.61	7.85	-140.79	143.71	218.60	438.11	422.22	15.89	27.576			
1,700.00	1,639.07	1,659.73	1,634.26	9.23	8.30	-141.08	141.58	240.64	471.97	455.13	16.84	28.027			
1,800.00	1,730.36	1,753.81	1,725.68	9.87	8.76	-141.33	139.46	262.69	505.83	488.02	17.81	28.406			
1,900.00	1,821.64	1,847.88	1,817.11	10.52	9.22	-141.54	137.33	284.74	539.70	520.91	18.79	28.726			
2,000.00	1,912.93	1,941.95	1,908.54	11.18	9.69	-141.74	135.20	306.78	573.58	553.80	19.78	28.999			
2,100.00	2,004.21	2,036.02	1,999.96	11.84	10.16	-141.91	133.08	328.83	607.46	586.68	20.78	29.233			
2,200.00	2,095.50	2,130.09	2,091.39	12.51	10.64	-142.06	130.95	350.87	641.35	619.56	21.79	29.435			
2,300.00	2,186.78	2,224.16	2,182.81	13.19	11.11	-142.20	128.82	372.92	675.24	652.43	22.80	29.610			
2,400.00	2,278.06	2,318.23	2,274.24	13.86	11.59	-142.32	126.70	394.97	709.13	685.30	23.83	29.763			
2,500.00	2,369.35	2,412.30	2,365.67	14.55	12.08	-142.43	124.57	417.01	743.03	718.17	24.85	29.897			
2,600.00	2,460.63	2,506.37	2,457.09	15.23	12.56	-142.54	122.44	439.06	776.92	751.04	25.88	30.015			
2,700.00	2,551.92	2,600.44	2,548.52	15.92	13.04	-142.63	120.32	461.10	810.83	783.90	26.92	30.119			
2,800.00	2,643.20	2,705.49	2,639.94	16.61	13.59	-142.72	118.19	483.15	844.73	816.71	28.02	30.151			
2,900.00	2,734.49	2,788.58	2,731.37	17.30	14.02	-142.80	116.06	505.19	878.63	849.63	29.00	30.295			
3,000.00	2,825.77	2,882.65	2,822.80	18.00	14.51	-142.87	113.94	527.24	912.54	882.49	30.05	30.369			
3,100.00	2,917.06	2,976.72	2,914.22	18.69	15.00	-142.94	111.81	549.29	946.44	915.35	31.10	30.436			
3,200.00	3,008.34	3,070.79	3,005.65	19.39	15.49	-143.00	109.69	571.33	980.35	948.20	32.15	30.496			
3,300.00	3,099.63	3,164.86	3,097.07	20.09	15.98	-143.06	107.56	593.38	1,014.26	981.06	33.20	30.550			
3,400.00	3,190.91	3,258.93	3,188.50	20.79	16.48	-143.12	105.43	615.42	1,048.17	1,013.91	34.25	30.599			
3,500.00	3,282.20	3,353.00	3,279.93	21.49	16.97	-143.17	103.31	637.47	1,082.08	1,046.77	35.31	30.644			
3,600.00	3,373.48	3,447.07	3,371.35	22.19	17.47	-143.22	101.18	659.52	1,115.99	1,079.62	36.37	30.685			
3,700.00	3,464.77	3,541.14	3,462.78	22.89	17.96	-143.27	99.05	681.56	1,149.90	1,112.47	37.43	30.723			
3,800.00	3,556.05	3,635.21	3,554.20	23.60	18.46	-143.31	96.93	703.61	1,183.81	1,145.32	38.49	30.757			
3,900.00	3,647.34	3,729.29	3,645.63	24.30	18.96	-143.35	94.80	725.65	1,217.73	1,178.17	39.55	30.788			
4,000.00	3,738.62	3,823.36	3,737.06	25.00	19.45	-143.39	92.67	747.70	1,251.64	1,211.02	40.61	30.817			
4,100.00	3,829.91	3,917.43	3,828.48	25.71	19.95	-143.43	90.55	769.75	1,285.55	1,243.87	41.68	30.844			
4,200.00	3,921.19	4,011.50	3,919.91	26.42	20.45	-143.46	88.42	791.79	1,319.47	1,276.72	42.74	30.869			
4,300.00	4,012.48	4,105.57	4,011.33	27.12	20.95	-143.50	86.30	813.84	1,353.38	1,309.57	43.81	30.892			
4,400.00	4,103.76	4,200.36	4,102.76	27.83	21.45	-143.53	84.17	835.88	1,387.30	1,342.42	44.88	30.910			
4,500.00	4,195.05	4,306.29	4,194.19	28.54	22.01	-143.56	82.04	857.93	1,421.21	1,375.20	46.01	30.887			
4,600.00	4,286.33	4,387.78	4,285.61	29.24	22.44	-143.59	79.92	879.97	1,455.13	1,408.11	47.01	30.951			
4,700.00	4,377.62	4,481.85	4,377.04	29.95	22.94	-143.61	77.79	902.02	1,489.05	1,440.96	48.08	30.968			
4,800.00	4,468.90	4,575.92	4,468.46	30.66	23.44	-143.64	75.66	924.07	1,522.96	1,473.81	49.15	30.983			
4,900.00	4,560.19	4,669.99	4,559.89	31.37	23.94	-143.67	73.54	946.11	1,556.88	1,506.65	50.22	30.998			
5,000.00	4,651.47	4,764.06	4,651.32	32.08	24.45	-143.69	71.41	968.16	1,590.80	1,539.50	51.30	31.012			

CC - Min centre 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-14C-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-14C-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								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
5,100.00	4,742.76	4,858.13	4,742.74	32.79	24.95	-143.71	69.28	990.20	1,624.71	1,572.35	52.37	31.025			
5,200.00	4,834.04	4,952.20	4,834.17	33.50	25.45	-143.74	67.16	1,012.25	1,658.63	1,605.19	53.44	31.037			
5,300.00	4,925.33	5,046.27	4,925.59	34.21	25.95	-143.76	65.03	1,034.30	1,692.55	1,638.03	54.51	31.048			
5,400.00	5,016.61	5,140.34	5,017.02	34.92	26.45	-143.78	62.91	1,056.34	1,726.47	1,670.88	55.59	31.059			
5,500.00	5,107.90	5,234.41	5,108.45	35.63	26.95	-143.80	60.78	1,078.39	1,760.38	1,703.72	56.66	31.069			
5,600.00	5,199.18	5,328.48	5,199.87	36.34	27.45	-143.81	58.65	1,100.43	1,794.30	1,736.57	57.73	31.079			
5,700.00	5,290.46	5,422.55	5,291.30	37.05	27.95	-143.83	56.53	1,122.48	1,828.22	1,769.41	58.81	31.087			
5,800.00	5,381.75	5,516.53	5,382.77	37.76	28.45	-143.87	54.46	1,143.92	1,862.14	1,802.27	59.87	31.101			
5,900.00	5,473.03	5,610.30	5,474.65	38.47	28.92	-144.00	52.66	1,162.53	1,896.07	1,835.17	60.90	31.132			
6,000.00	5,564.32	5,703.70	5,566.73	39.18	29.37	-144.22	51.16	1,178.09	1,930.04	1,868.14	61.89	31.183			
6,100.00	5,655.60	5,796.54	5,658.72	39.90	29.79	-144.52	49.96	1,190.58	1,964.06	1,901.22	62.84	31.254			
6,200.00	5,746.89	5,888.64	5,750.32	40.61	30.18	-144.90	49.04	1,200.04	1,998.19	1,934.44	63.75	31.345			
6,300.00	5,838.17	5,979.80	5,841.25	41.32	30.55	-145.35	48.42	1,206.51	2,032.48	1,967.87	64.61	31.457			
6,400.00	5,929.46	6,069.88	5,931.25	42.03	30.90	-145.87	48.08	1,210.07	2,066.98	2,001.55	65.44	31.588			
6,500.00	6,020.74	6,159.38	6,020.74	42.74	31.23	-146.44	48.00	1,210.89	2,101.77	2,035.54	66.23	31.736			
6,600.00	6,112.03	6,250.67	6,112.03	43.46	31.56	-147.03	48.00	1,210.89	2,136.80	2,069.78	67.02	31.885			
6,700.00	6,203.31	6,341.95	6,203.31	44.17	31.89	-147.60	48.00	1,210.89	2,172.03	2,104.22	67.81	32.031			
6,800.00	6,294.60	6,433.24	6,294.60	44.88	32.22	-148.16	48.00	1,210.89	2,207.46	2,138.85	68.61	32.176			
6,900.00	6,385.88	6,524.52	6,385.88	45.59	32.55	-148.69	48.00	1,210.89	2,243.07	2,173.66	69.40	32.320			
6,927.91	6,411.36	6,550.00	6,411.36	45.79	32.64	-148.84	48.00	1,210.89	2,253.04	2,183.41	69.63	32.359			
6,950.00	6,431.59	6,570.64	6,432.01	45.95	32.71	-153.84	48.00	1,210.83	2,260.96	2,191.16	69.80	32.390			
7,000.00	6,477.77	6,618.45	6,479.74	46.27	32.88	-166.16	47.99	1,208.39	2,279.06	2,208.86	70.20	32.467			
7,050.00	6,524.26	6,665.69	6,526.59	46.56	33.05	-179.41	47.95	1,202.47	2,297.26	2,226.70	70.56	32.558			
7,100.00	6,570.76	6,712.45	6,572.41	46.81	33.22	167.30	47.91	1,193.20	2,315.46	2,244.55	70.91	32.656			
7,150.00	6,617.00	6,758.82	6,617.06	47.02	33.39	154.87	47.84	1,180.71	2,333.53	2,262.29	71.24	32.755			
7,200.00	6,662.68	6,804.88	6,660.39	47.20	33.58	143.88	47.76	1,165.13	2,351.36	2,279.79	71.58	32.851			
7,250.00	6,707.53	6,850.71	6,702.28	47.34	33.78	134.49	47.66	1,146.55	2,368.84	2,296.92	71.92	32.938			
7,300.00	6,751.28	6,896.38	6,742.58	47.47	34.00	126.60	47.55	1,125.08	2,385.85	2,313.57	72.28	33.009			
7,350.00	6,793.64	6,941.95	6,781.16	47.57	34.23	119.99	47.42	1,100.85	2,402.28	2,329.62	72.66	33.062			
7,400.00	6,834.35	6,987.46	6,817.86	47.66	34.48	114.44	47.28	1,073.95	2,418.03	2,344.96	73.07	33.091			
7,450.00	6,873.18	7,032.96	6,852.53	47.75	34.76	109.75	47.13	1,044.50	2,433.01	2,359.49	73.52	33.093			
7,500.00	6,909.88	7,078.49	6,885.03	47.83	35.07	105.77	46.96	1,012.64	2,447.11	2,373.10	74.01	33.063			
7,550.00	6,944.21	7,124.05	6,915.20	47.91	35.40	102.38	46.78	978.50	2,460.26	2,385.70	74.56	32.999			
7,600.00	6,975.98	7,169.68	6,942.88	47.99	35.76	99.48	46.59	942.24	2,472.36	2,397.21	75.16	32.896			
7,650.00	7,004.98	7,215.38	6,967.94	48.09	36.16	97.03	46.39	904.04	2,483.35	2,407.53	75.82	32.752			
7,700.00	7,031.04	7,261.14	6,990.22	48.20	36.59	94.95	46.18	864.07	2,493.16	2,416.60	76.56	32.566			
7,750.00	7,053.99	7,306.97	7,009.59	48.32	37.05	93.21	45.96	822.56	2,501.73	2,424.36	77.36	32.337			
7,800.00	7,073.70	7,352.84	7,025.94	48.46	37.55	91.78	45.74	779.71	2,509.00	2,430.75	78.25	32.065			
7,850.00	7,090.03	7,398.73	7,039.17	48.62	38.07	90.63	45.51	735.78	2,514.93	2,435.72	79.21	31.752			
7,900.00	7,102.90	7,444.61	7,049.21	48.81	38.63	89.75	45.27	691.02	2,519.48	2,439.24	80.24	31.400			
7,950.00	7,112.22	7,490.47	7,055.98	49.02	39.21	89.13	45.04	645.67	2,522.63	2,441.30	81.33	31.016			
8,000.00	7,117.94	7,536.26	7,059.48	49.26	39.81	88.76	44.80	600.03	2,524.37	2,441.88	82.49	30.603			
8,047.82	7,120.00	7,581.81	7,060.05	49.51	40.42	88.64	44.56	554.49	2,524.67	2,441.02	83.66	30.179			
8,100.00	7,120.42	7,633.98	7,060.17	49.82	41.17	88.63	44.29	502.31	2,524.27	2,439.22	85.04	29.682			
8,200.00	7,121.24	7,733.98	7,060.40	50.53	42.69	88.61	43.76	402.32	2,523.48	2,435.58	87.91	28.707			
8,300.00	7,122.05	7,833.97	7,060.63	51.39	44.34	88.60	43.24	302.33	2,522.70	2,431.66	91.03	27.711			
8,400.00	7,122.86	7,933.97	7,060.86	52.42	46.11	88.59	42.71	202.33	2,521.91	2,427.51	94.41	26.713			
8,500.00	7,123.68	8,033.96	7,061.09	53.63	47.99	88.57	42.19	102.34	2,521.13	2,423.13	98.00	25.727			
8,600.00	7,124.49	8,133.96	7,061.32	55.01	49.96	88.56	41.67	2.35	2,520.34	2,418.57	101.78	24.763			
8,700.00	7,125.30	8,233.95	7,061.55	56.54	52.01	88.55	41.14	-97.65	2,519.56	2,413.83	105.74	23.829			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,800.00	7,126.12	8,333.95	7,061.78	58.21	54.13	88.53	40.62	-197.64	2,518.78	2,408.93	109.85	22.930		
8,900.00	7,126.93	8,433.94	7,062.01	60.01	56.33	88.52	40.09	-297.63	2,517.99	2,403.90	114.10	22.069		
9,000.00	7,127.75	8,533.94	7,062.24	61.92	58.57	88.51	39.57	-397.63	2,517.21	2,398.74	118.47	21.248		
9,100.00	7,128.56	8,633.94	7,062.47	63.92	60.88	88.49	39.05	-497.62	2,516.43	2,393.48	122.95	20.467		
9,200.00	7,129.37	8,733.93	7,062.70	66.01	63.22	88.48	38.52	-597.61	2,515.64	2,388.11	127.53	19.726		
9,300.00	7,130.19	8,833.93	7,062.93	68.16	65.61	88.46	38.00	-697.61	2,514.86	2,382.66	132.20	19.023		
9,400.00	7,131.00	8,933.92	7,063.16	70.38	68.03	88.45	37.47	-797.60	2,514.08	2,377.13	136.95	18.358		
9,500.00	7,131.81	9,033.92	7,063.39	72.65	70.49	88.44	36.95	-897.59	2,513.30	2,371.53	141.77	17.728		
9,600.00	7,132.63	9,133.91	7,063.63	74.97	72.97	88.42	36.43	-997.59	2,512.51	2,365.86	146.65	17.133		
9,700.00	7,133.44	9,233.91	7,063.86	77.33	75.48	88.41	35.90	-1,097.58	2,511.73	2,360.14	151.59	16.569		
9,800.00	7,134.25	9,333.90	7,064.09	79.72	78.02	88.39	35.38	-1,197.58	2,510.95	2,354.36	156.59	16.036		
9,900.00	7,135.07	9,433.90	7,064.32	82.16	80.58	88.38	34.85	-1,297.57	2,510.17	2,348.54	161.63	15.531		
10,000.00	7,135.88	9,533.89	7,064.55	84.62	83.15	88.37	34.33	-1,397.56	2,509.39	2,342.67	166.71	15.052		
10,100.00	7,136.70	9,633.89	7,064.78	87.11	85.75	88.35	33.81	-1,497.56	2,508.60	2,336.77	171.84	14.599		
10,200.00	7,137.51	9,733.88	7,065.01	89.62	88.36	88.34	33.28	-1,597.55	2,507.82	2,330.82	177.00	14.169		
10,300.00	7,138.32	9,833.88	7,065.24	92.16	90.99	88.33	32.76	-1,697.54	2,507.04	2,324.85	182.19	13.760		
10,400.00	7,139.14	9,933.87	7,065.47	94.71	93.63	88.31	32.23	-1,797.54	2,506.26	2,318.84	187.42	13.373		
10,500.00	7,139.95	10,033.87	7,065.70	97.29	96.28	88.30	31.71	-1,897.53	2,505.48	2,312.81	192.67	13.004		
10,600.00	7,140.76	10,133.86	7,065.93	99.88	98.94	88.28	31.19	-1,997.52	2,504.70	2,306.75	197.94	12.654		
10,700.00	7,141.58	10,233.86	7,066.16	102.48	101.61	88.27	30.66	-2,097.52	2,503.92	2,300.67	203.24	12.320		
10,800.00	7,142.39	10,333.85	7,066.39	105.10	104.30	88.26	30.14	-2,197.51	2,503.14	2,294.57	208.57	12.002		
10,900.00	7,143.20	10,433.85	7,066.62	107.74	106.99	88.24	29.61	-2,297.50	2,502.36	2,288.45	213.91	11.698		
11,000.00	7,144.02	10,533.84	7,066.85	110.38	109.69	88.23	29.09	-2,397.50	2,501.58	2,282.30	219.27	11.409		
11,100.00	7,144.83	10,633.84	7,067.08	113.04	112.40	88.21	28.57	-2,497.49	2,500.80	2,276.15	224.65	11.132		
11,200.00	7,145.65	10,733.83	7,067.31	115.71	115.12	88.20	28.04	-2,597.48	2,500.02	2,269.97	230.04	10.868		
11,300.00	7,146.46	10,833.83	7,067.54	118.38	117.84	88.19	27.52	-2,697.48	2,499.24	2,263.78	235.45	10.615		
11,400.00	7,147.27	10,933.82	7,067.78	121.07	120.57	88.17	26.99	-2,797.47	2,498.46	2,257.58	240.88	10.372		
11,500.00	7,148.09	11,033.82	7,068.01	123.76	123.31	88.16	26.47	-2,897.46	2,497.68	2,251.36	246.31	10.140		
11,600.00	7,148.90	11,133.81	7,068.24	126.46	126.05	88.14	25.95	-2,997.46	2,496.90	2,245.13	251.76	9.918		
11,700.00	7,149.71	11,233.81	7,068.47	129.17	128.79	88.13	25.42	-3,097.45	2,496.12	2,238.89	257.22	9.704		
11,800.00	7,150.53	11,333.80	7,068.70	131.89	131.54	88.12	24.90	-3,197.44	2,495.34	2,232.64	262.69	9.499		
11,900.00	7,151.34	11,433.80	7,068.93	134.61	134.30	88.10	24.37	-3,297.44	2,494.56	2,226.38	268.17	9.302		
12,000.00	7,152.16	11,533.79	7,069.16	137.34	137.06	88.09	23.85	-3,397.43	2,493.78	2,220.11	273.66	9.113		
12,100.00	7,152.97	11,633.79	7,069.39	140.07	139.82	88.07	23.33	-3,497.42	2,493.00	2,213.84	279.16	8.930		
12,200.00	7,153.78	11,733.78	7,069.62	142.81	142.59	88.06	22.80	-3,597.42	2,492.22	2,207.55	284.67	8.755		
12,300.00	7,154.60	11,833.78	7,069.85	145.55	145.36	88.05	22.28	-3,697.41	2,491.44	2,201.26	290.19	8.586		
12,400.00	7,155.41	11,933.77	7,070.08	148.30	148.13	88.03	21.75	-3,797.41	2,490.67	2,194.96	295.71	8.423		
12,500.00	7,156.22	12,033.77	7,070.31	151.05	150.91	88.02	21.23	-3,897.40	2,489.89	2,188.65	301.24	8.265		
12,600.00	7,157.04	12,133.76	7,070.54	153.80	153.69	88.00	20.71	-3,997.39	2,489.11	2,182.33	306.78	8.114		
12,700.00	7,157.85	12,233.76	7,070.77	156.56	156.47	87.99	20.18	-4,097.39	2,488.33	2,176.01	312.32	7.967		
12,800.00	7,158.66	12,333.75	7,071.00	159.33	159.26	87.98	19.66	-4,197.38	2,487.55	2,169.69	317.87	7.826		
12,900.00	7,159.48	12,433.75	7,071.23	162.09	162.05	87.96	19.13	-4,297.37	2,486.78	2,163.36	323.42	7.689		
13,000.00	7,160.29	12,533.74	7,071.46	164.86	164.84	87.95	18.61	-4,397.37	2,486.00	2,157.02	328.98	7.557		
13,100.00	7,161.11	12,633.74	7,071.69	167.64	167.63	87.93	18.09	-4,497.36	2,485.22	2,150.68	334.54	7.429		
13,209.97	7,162.00	12,743.70	7,071.95	170.69	170.70	87.92	17.51	-4,607.32	2,484.37	2,143.70	340.67	7.293		
13,210.89	7,162.01	12,744.62	7,071.95	170.72	170.73	87.92	17.50	-4,608.24	2,484.36	2,143.64	340.72	7.291 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
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 CC, ES		
300.00	299.98	302.09	302.07	3.44	3.44	-150.80	118.95	2.69	120.52	113.63	6.89	17.501		
400.00	399.84	404.12	403.95	3.59	3.60	-149.77	116.22	7.41	122.50	115.30	7.20	17.015		
500.00	499.45	506.04	505.46	3.79	3.81	-148.13	111.69	15.26	125.89	118.28	7.61	16.542		
600.00	598.70	607.78	606.40	4.04	4.06	-145.98	105.37	26.20	130.79	122.68	8.11	16.133		
700.00	697.47	709.28	706.60	4.32	4.36	-143.45	97.28	40.21	137.30	128.62	8.68	15.817		
800.00	795.62	810.50	805.89	4.64	4.69	-140.67	87.45	57.23	145.56	136.23	9.33	15.605		
900.00	893.06	910.65	903.47	5.01	5.06	-137.91	76.18	76.76	155.76	145.73	10.04	15.518		
1,000.00	989.64	1,009.72	999.88	5.41	5.45	-136.12	64.78	96.51	168.60	157.80	10.80	15.604		
1,100.00	1,085.27	1,108.50	1,096.01	5.85	5.87	-135.30	53.41	116.20	184.00	172.38	11.62	15.832		
1,200.00	1,179.82	1,206.89	1,191.75	6.33	6.30	-135.24	42.08	135.82	201.86	189.38	12.48	16.172		
1,300.00	1,273.17	1,304.76	1,286.99	6.84	6.74	-135.76	30.82	155.33	222.17	208.79	13.38	16.610		
1,404.90	1,369.69	1,406.73	1,386.22	7.43	7.21	-136.74	19.08	175.66	246.18	231.84	14.34	17.163		
1,500.00	1,456.50	1,501.18	1,475.83	8.00	7.66	-137.98	8.48	194.02	269.30	254.05	15.25	17.658		
1,600.00	1,547.79	1,604.35	1,570.07	8.61	8.15	-139.08	-2.67	213.33	293.71	277.48	16.24	18.089		
1,700.00	1,639.07	1,707.52	1,664.30	9.23	8.65	-140.01	-13.81	232.63	318.21	300.97	17.24	18.459		
1,800.00	1,730.36	1,789.31	1,758.53	9.87	9.05	-140.81	-24.96	251.94	342.78	324.63	18.15	18.886		
1,900.00	1,821.64	1,886.14	1,852.76	10.52	9.53	-141.50	-36.11	271.25	367.41	348.26	19.14	19.192		
2,000.00	1,912.93	1,982.98	1,946.99	11.18	10.02	-142.11	-47.25	290.55	392.07	371.93	20.15	19.461		
2,100.00	2,004.21	2,079.81	2,041.22	11.84	10.50	-142.64	-58.40	309.86	416.78	395.62	21.16	19.699		
2,200.00	2,095.50	2,176.64	2,135.45	12.51	10.99	-143.11	-69.54	329.16	441.51	419.34	22.17	19.911		
2,300.00	2,186.78	2,273.47	2,229.68	13.19	11.49	-143.53	-80.69	348.47	466.27	443.07	23.20	20.101		
2,400.00	2,278.06	2,370.30	2,323.91	13.86	11.98	-143.92	-91.84	367.78	491.05	466.83	24.22	20.272		
2,500.00	2,369.35	2,467.14	2,418.14	14.55	12.48	-144.26	-102.98	387.08	515.85	490.59	25.26	20.425		
2,600.00	2,460.63	2,563.97	2,512.38	15.23	12.98	-144.57	-114.13	406.39	540.66	514.37	26.29	20.565		
2,700.00	2,551.92	2,660.80	2,606.61	15.92	13.48	-144.86	-125.28	425.69	565.49	538.16	27.33	20.691		
2,800.00	2,643.20	2,757.63	2,700.84	16.61	13.98	-145.12	-136.42	445.00	590.33	561.96	28.37	20.807		
2,900.00	2,734.49	2,854.46	2,795.07	17.30	14.48	-145.36	-147.57	464.31	615.19	585.77	29.42	20.913		
3,000.00	2,825.77	2,951.30	2,889.30	18.00	14.98	-145.58	-158.71	483.61	640.05	609.58	30.46	21.010		
3,100.00	2,917.06	3,048.13	2,983.53	18.69	15.49	-145.78	-169.86	502.92	664.91	633.40	31.51	21.100		
3,200.00	3,008.34	3,144.96	3,077.76	19.39	15.99	-145.97	-181.01	522.22	689.79	657.23	32.56	21.182		
3,300.00	3,099.63	3,241.79	3,171.99	20.09	16.50	-146.15	-192.15	541.53	714.67	681.06	33.62	21.259		
3,400.00	3,190.91	3,338.62	3,266.22	20.79	17.00	-146.32	-203.30	560.84	739.56	704.89	34.67	21.330		
3,500.00	3,282.20	3,435.46	3,360.45	21.49	17.51	-146.47	-214.45	580.14	764.46	728.73	35.73	21.396		
3,600.00	3,373.48	3,532.29	3,454.69	22.19	18.02	-146.61	-225.59	599.45	789.36	752.57	36.79	21.458		
3,700.00	3,464.77	3,629.12	3,548.92	22.89	18.53	-146.75	-236.74	618.75	814.26	776.41	37.84	21.516		
3,800.00	3,556.05	3,725.95	3,643.15	23.60	19.04	-146.88	-247.89	638.06	839.17	800.26	38.90	21.570		
3,900.00	3,647.34	3,822.78	3,737.38	24.30	19.54	-147.00	-259.03	657.37	864.08	824.11	39.97	21.620		
4,000.00	3,738.62	3,919.62	3,831.61	25.00	20.05	-147.11	-270.18	676.67	888.99	847.96	41.03	21.668		
4,100.00	3,829.91	4,016.45	3,925.84	25.71	20.57	-147.22	-281.32	695.98	913.91	871.82	42.09	21.713		
4,200.00	3,921.19	4,113.28	4,020.07	26.42	21.08	-147.32	-292.47	715.28	938.83	895.68	43.15	21.755		
4,300.00	4,012.48	4,210.11	4,114.30	27.12	21.59	-147.42	-303.62	734.59	963.75	919.53	44.22	21.795		
4,400.00	4,103.76	4,306.94	4,208.53	27.83	22.10	-147.51	-314.76	753.90	988.68	943.39	45.28	21.833		
4,500.00	4,195.05	4,403.78	4,302.76	28.54	22.61	-147.59	-325.91	773.20	1,013.61	967.26	46.35	21.869		
4,600.00	4,286.33	4,500.61	4,397.00	29.24	23.12	-147.68	-337.06	792.51	1,038.54	991.12	47.42	21.902		
4,700.00	4,377.62	4,602.56	4,491.23	29.95	23.66	-147.76	-348.20	811.81	1,063.47	1,014.96	48.51	21.923		
4,800.00	4,468.90	4,705.73	4,585.46	30.66	24.21	-147.83	-359.35	831.12	1,088.40	1,038.79	49.61	21.939		
4,900.00	4,560.19	4,791.10	4,679.69	31.37	24.66	-147.90	-370.49	850.43	1,113.34	1,062.72	50.62	21.994		
5,000.00	4,651.47	4,887.94	4,773.92	32.08	25.17	-147.97	-381.64	869.73	1,138.27	1,086.59	51.69	22.022		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-9C-L - OH - Plan #1													Offset Site Error:	0.00 ft
Survey Program: 0-MWD+IFR1													Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
5,100.00	4,742.76	4,984.77	4,868.15	32.79	25.69	-148.04	-392.79	889.04	1,163.21	1,110.45	52.76	22.048		
5,200.00	4,834.04	5,081.60	4,962.38	33.50	26.20	-148.10	-403.93	908.34	1,188.15	1,134.32	53.83	22.073		
5,300.00	4,925.33	5,178.43	5,056.61	34.21	26.71	-148.16	-415.08	927.65	1,213.09	1,158.20	54.90	22.097		
5,400.00	5,016.61	5,275.26	5,150.84	34.92	27.23	-148.22	-426.23	946.96	1,238.04	1,182.07	55.97	22.120		
5,500.00	5,107.90	5,372.10	5,245.07	35.63	27.74	-148.28	-437.37	966.26	1,262.98	1,205.94	57.04	22.143		
5,600.00	5,199.18	5,468.93	5,339.31	36.34	28.25	-148.33	-448.52	985.57	1,287.92	1,229.81	58.11	22.164		
5,700.00	5,290.46	5,565.76	5,433.54	37.05	28.77	-148.38	-459.67	1,004.87	1,312.87	1,253.69	59.18	22.184		
5,800.00	5,381.75	5,662.59	5,527.77	37.76	29.28	-148.43	-470.81	1,024.18	1,337.81	1,277.56	60.25	22.203		
5,900.00	5,473.03	5,759.42	5,622.00	38.47	29.80	-148.48	-481.96	1,043.49	1,362.76	1,301.44	61.33	22.222		
6,000.00	5,564.32	5,856.26	5,716.23	39.18	30.31	-148.52	-493.10	1,062.79	1,387.71	1,325.31	62.40	22.240		
6,100.00	5,655.60	5,953.09	5,810.46	39.90	30.83	-148.57	-504.25	1,082.10	1,412.66	1,349.19	63.47	22.257		
6,200.00	5,746.89	6,049.92	5,904.69	40.61	31.34	-148.61	-515.40	1,101.40	1,437.61	1,373.07	64.54	22.273		
6,300.00	5,838.17	6,146.75	5,998.92	41.32	31.86	-148.65	-526.54	1,120.71	1,462.56	1,396.94	65.62	22.289		
6,400.00	5,929.46	6,243.59	6,093.15	42.03	32.37	-148.69	-537.69	1,140.02	1,487.51	1,420.82	66.69	22.305		
6,500.00	6,020.74	6,340.42	6,187.38	42.74	32.89	-148.73	-548.84	1,159.32	1,512.46	1,444.70	67.76	22.320		
6,600.00	6,112.03	6,437.25	6,281.62	43.46	33.40	-148.77	-559.98	1,178.63	1,537.41	1,468.58	68.84	22.334		
6,700.00	6,203.31	6,533.80	6,375.60	44.17	33.91	-148.81	-571.09	1,197.75	1,562.37	1,492.46	69.91	22.349		
6,800.00	6,294.60	6,627.38	6,467.96	44.88	34.34	-149.17	-581.63	1,207.72	1,587.44	1,516.61	70.82	22.414		
6,900.00	6,385.88	6,716.25	6,556.19	45.59	34.65	-149.96	-591.14	1,204.51	1,612.91	1,541.38	71.53	22.548		
6,927.91	6,411.36	6,739.81	6,579.44	45.79	34.73	-150.24	-593.56	1,201.58	1,620.16	1,548.46	71.70	22.596		
6,950.00	6,431.59	6,758.13	6,597.44	45.95	34.79	-155.14	-595.40	1,198.71	1,625.98	1,554.15	71.83	22.637		
7,000.00	6,477.77	6,799.03	6,637.28	46.27	34.91	-167.22	-599.40	1,190.43	1,639.44	1,567.34	72.10	22.739		
7,050.00	6,524.26	6,839.23	6,675.86	46.56	35.04	179.77	-603.16	1,179.81	1,653.24	1,580.88	72.35	22.849		
7,100.00	6,570.76	6,878.82	6,713.15	46.81	35.17	166.72	-606.68	1,166.98	1,667.25	1,594.66	72.60	22.966		
7,150.00	6,617.00	6,917.90	6,749.11	47.02	35.31	154.52	-609.97	1,152.07	1,681.38	1,608.55	72.83	23.086		
7,200.00	6,662.68	6,956.53	6,783.71	47.20	35.45	143.76	-613.02	1,135.17	1,695.52	1,622.45	73.07	23.204		
7,250.00	6,707.53	6,994.79	6,816.92	47.34	35.59	134.58	-615.84	1,116.39	1,709.56	1,636.24	73.32	23.318		
7,300.00	6,751.28	7,032.74	6,848.70	47.47	35.75	126.89	-618.42	1,095.83	1,723.39	1,649.81	73.58	23.422		
7,350.00	6,793.64	7,070.43	6,879.02	47.57	35.92	120.47	-620.77	1,073.56	1,736.93	1,663.07	73.87	23.514		
7,400.00	6,834.35	7,107.92	6,907.82	47.66	36.10	115.08	-622.88	1,049.67	1,750.08	1,675.90	74.18	23.592		
7,450.00	6,873.18	7,145.26	6,935.08	47.75	36.29	110.54	-624.76	1,024.23	1,762.74	1,688.21	74.53	23.651		
7,500.00	6,909.88	7,182.48	6,960.73	47.83	36.51	106.69	-626.40	997.32	1,774.84	1,699.91	74.93	23.686		
7,550.00	6,944.21	7,219.62	6,984.74	47.91	36.73	103.42	-627.80	969.02	1,786.29	1,710.92	75.38	23.698		
7,600.00	6,975.98	7,256.72	7,007.05	47.99	36.98	100.63	-628.95	939.40	1,797.03	1,721.15	75.88	23.682		
7,650.00	7,004.98	7,293.81	7,027.60	48.09	37.24	98.26	-629.86	908.54	1,806.98	1,730.53	76.45	23.635		
7,700.00	7,031.04	7,330.92	7,046.34	48.20	37.53	96.25	-630.52	876.52	1,816.09	1,738.99	77.10	23.555		
7,750.00	7,053.99	7,368.07	7,063.22	48.32	37.84	94.57	-630.93	843.44	1,824.29	1,746.47	77.82	23.443		
7,800.00	7,073.70	7,405.29	7,078.18	48.46	38.17	93.18	-631.09	809.37	1,831.55	1,752.93	78.62	23.297		
7,850.00	7,090.03	7,442.59	7,091.16	48.62	38.52	92.07	-630.99	774.40	1,837.82	1,758.32	79.50	23.118		
7,900.00	7,102.90	7,480.00	7,102.12	48.81	38.90	91.21	-630.63	738.65	1,843.06	1,762.60	80.46	22.907		
7,950.00	7,112.22	7,517.52	7,110.99	49.02	39.30	90.60	-630.02	702.20	1,847.24	1,765.75	81.49	22.667		
8,000.00	7,117.94	7,555.19	7,117.74	49.26	39.72	90.22	-629.15	665.16	1,850.36	1,767.76	82.60	22.402		
8,047.82	7,120.00	7,591.35	7,122.16	49.51	40.14	90.08	-628.08	629.28	1,852.31	1,768.60	83.71	22.128		
8,100.00	7,120.42	7,631.04	7,124.66	49.82	40.62	90.15	-626.63	589.70	1,854.07	1,769.11	84.96	21.822		
8,200.00	7,121.24	7,725.03	7,125.18	50.53	41.83	90.14	-622.61	495.80	1,858.07	1,770.45	87.62	21.207		
8,300.00	7,122.05	7,824.95	7,125.42	51.39	43.26	90.12	-618.30	395.98	1,862.11	1,771.54	90.57	20.560		
8,400.00	7,122.86	7,924.87	7,125.66	52.42	44.84	90.10	-614.00	296.16	1,866.14	1,772.36	93.78	19.899		
8,500.00	7,123.68	8,024.78	7,125.90	53.63	46.54	90.09	-609.69	196.33	1,870.18	1,772.95	97.22	19.236		
8,600.00	7,124.49	8,124.70	7,126.14	55.01	48.36	90.07	-605.38	96.51	1,874.22	1,773.34	100.88	18.580		
8,700.00	7,125.30	8,224.62	7,126.37	56.54	50.28	90.05	-601.07	-3.32	1,878.25	1,773.54	104.71	17.937		

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-14C-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-14C-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		
8,800.00	7,126.12	8,324.53	7,126.61	58.21	52.29	90.03	-596.76	-103.14	1,882.29	1,773.57	108.72	17.314		
8,900.00	7,126.93	8,424.45	7,126.85	60.01	54.38	90.02	-592.46	-202.96	1,886.33	1,773.46	112.87	16.713		
9,000.00	7,127.75	8,524.37	7,127.09	61.92	56.54	90.00	-588.15	-302.79	1,890.36	1,773.21	117.15	16.136		
9,100.00	7,128.56	8,624.29	7,127.33	63.92	58.76	89.98	-583.84	-402.61	1,894.40	1,772.85	121.55	15.585		
9,200.00	7,129.37	8,724.21	7,127.74	66.01	62.62	89.95	-578.44	-502.78	1,897.81	1,770.60	127.21	14.919		
9,300.00	7,130.19	8,824.13	7,128.05	68.16	65.71	89.93	-573.93	-602.91	1,896.69	1,764.33	132.36	14.329		
9,400.00	7,131.00	8,924.05	7,128.29	70.38	68.09	89.91	-569.31	-702.88	1,895.44	1,758.35	137.09	13.826		
9,500.00	7,131.81	9,023.97	7,128.53	72.65	70.51	89.89	-564.69	-802.88	1,894.18	1,752.30	141.88	13.350		
9,600.00	7,132.63	9,123.89	7,128.77	74.97	72.96	89.88	-560.07	-902.86	1,892.93	1,746.18	146.75	12.899		
9,700.00	7,133.44	9,223.81	7,129.01	77.33	75.45	89.86	-555.45	-1,002.85	1,891.67	1,740.00	151.67	12.473		
9,800.00	7,134.25	9,323.73	7,129.25	79.72	77.95	89.84	-550.83	-1,102.83	1,890.42	1,733.77	156.64	12.068		
9,900.00	7,135.07	9,423.65	7,129.49	82.16	80.48	89.82	-546.21	-1,202.82	1,889.16	1,727.50	161.67	11.686		
10,000.00	7,135.88	9,523.57	7,129.73	84.62	83.04	89.81	-541.59	-1,302.80	1,887.91	1,721.17	166.73	11.323		
10,100.00	7,136.70	9,623.49	7,129.97	87.11	85.61	89.79	-536.97	-1,402.79	1,886.65	1,714.81	171.84	10.979		
10,200.00	7,137.51	9,723.41	7,130.21	89.62	88.20	89.77	-532.35	-1,502.78	1,885.40	1,708.41	176.99	10.653		
10,300.00	7,138.32	9,823.33	7,130.45	92.16	90.81	89.75	-527.73	-1,602.76	1,884.14	1,701.98	182.17	10.343		
10,400.00	7,139.14	9,923.25	7,130.69	94.71	93.43	89.74	-523.11	-1,702.75	1,882.89	1,695.51	187.38	10.049		
10,500.00	7,139.95	10,023.17	7,130.93	97.29	96.06	89.72	-518.49	-1,802.73	1,881.64	1,689.02	192.62	9.769		
10,600.00	7,140.76	10,123.09	7,131.17	99.88	98.71	89.70	-513.87	-1,902.72	1,880.38	1,682.50	197.88	9.502		
10,700.00	7,141.58	10,222.97	7,131.41	102.48	101.37	89.68	-509.25	-2,002.70	1,879.13	1,675.96	203.17	9.249		
10,800.00	7,142.39	10,322.89	7,131.65	105.10	104.04	89.67	-504.63	-2,102.69	1,877.88	1,669.39	208.48	9.007		
10,900.00	7,143.20	10,422.81	7,131.89	107.74	106.72	89.65	-500.01	-2,202.67	1,876.62	1,662.81	213.82	8.777		
11,000.00	7,144.02	10,522.73	7,132.13	110.38	109.40	89.63	-495.39	-2,302.66	1,875.37	1,656.20	219.17	8.557		
11,100.00	7,144.83	10,622.65	7,132.37	113.04	112.10	89.61	-490.77	-2,402.64	1,874.12	1,649.58	224.54	8.347		
11,200.00	7,145.65	10,722.57	7,132.61	115.71	114.81	89.60	-486.15	-2,502.63	1,872.86	1,642.94	229.92	8.146		
11,300.00	7,146.46	10,822.49	7,132.85	118.38	117.52	89.58	-481.53	-2,602.61	1,871.61	1,636.29	235.33	7.953		
11,400.00	7,147.27	10,922.41	7,133.08	121.07	120.24	89.56	-476.91	-2,702.60	1,870.36	1,629.62	240.74	7.769		
11,500.00	7,148.09	11,022.33	7,133.32	123.76	122.96	89.54	-472.29	-2,802.58	1,869.11	1,622.94	246.17	7.593		
11,600.00	7,148.90	11,122.25	7,133.56	126.46	125.69	89.52	-467.67	-2,902.57	1,867.86	1,616.24	251.61	7.424		
11,700.00	7,149.71	11,222.17	7,133.80	129.17	128.43	89.51	-463.05	-3,002.56	1,866.60	1,609.54	257.07	7.261		
11,800.00	7,150.53	11,322.09	7,134.04	131.89	131.17	89.49	-458.43	-3,102.54	1,865.35	1,602.82	262.53	7.105		
11,900.00	7,151.34	11,421.97	7,134.28	134.61	133.92	89.47	-453.81	-3,202.53	1,864.10	1,596.10	268.01	6.955		
12,000.00	7,152.16	11,521.89	7,134.52	137.34	136.67	89.45	-449.19	-3,302.51	1,862.85	1,589.36	273.49	6.811		
12,100.00	7,152.97	11,621.81	7,134.76	140.07	139.42	89.43	-444.57	-3,402.50	1,861.60	1,582.61	278.99	6.673		
12,200.00	7,153.78	11,721.73	7,135.00	142.81	142.18	89.42	-439.95	-3,502.48	1,860.35	1,575.86	284.49	6.539		
12,300.00	7,154.60	11,821.65	7,135.24	145.55	144.94	89.40	-435.33	-3,602.47	1,859.10	1,569.10	290.00	6.411		
12,400.00	7,155.41	11,921.57	7,135.48	148.30	147.71	89.38	-430.71	-3,702.45	1,857.85	1,562.33	295.52	6.287		
12,500.00	7,156.22	12,021.49	7,135.72	151.05	150.48	89.36	-426.09	-3,802.44	1,856.60	1,555.56	301.04	6.167		
12,600.00	7,157.04	12,121.41	7,135.96	153.80	153.25	89.34	-421.47	-3,902.42	1,855.35	1,548.77	306.57	6.052		
12,700.00	7,157.85	12,221.33	7,136.20	156.56	156.03	89.32	-416.85	-4,002.41	1,854.10	1,541.99	312.11	5.940		
12,800.00	7,158.66	12,321.25	7,136.44	159.33	158.81	89.31	-412.23	-4,102.39	1,852.85	1,535.19	317.66	5.833		
12,900.00	7,159.48	12,421.17	7,136.68	162.09	161.59	89.29	-407.61	-4,202.38	1,851.60	1,528.39	323.21	5.729		
13,000.00	7,160.29	12,521.09	7,136.92	164.86	164.37	89.27	-402.99	-4,302.37	1,850.35	1,521.59	328.76	5.628		
13,100.00	7,161.11	12,621.01	7,137.16	167.64	167.16	89.25	-398.37	-4,402.35	1,849.10	1,514.78	334.33	5.531		
13,209.97	7,162.00	12,720.93	7,137.42	170.69	170.23	89.23	-393.75	-4,502.30	1,847.73	1,507.28	340.45	5.427		
13,210.89	7,162.01	12,820.85	7,137.42	170.72	170.25	89.23	-393.75	-4,613.22	1,847.72	1,507.22	340.50	5.427 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
0.00	0.00	0.00	0.00	3.28	3.28	0.43	74.68	0.56	74.68					
100.00	100.00	100.00	100.00	3.28	3.28	0.43	74.68	0.56	74.68	68.11	6.57	11.368		
200.00	200.00	200.00	200.00	3.34	3.34	0.43	74.68	0.56	74.68	68.01	6.67	11.190 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-151.87	74.68	0.56	76.22	69.33	6.89	11.069		
400.00	399.84	401.95	401.92	3.59	3.60	-152.75	73.37	1.81	79.55	72.35	7.20	11.054		
500.00	499.45	504.02	503.84	3.79	3.80	-152.99	69.42	5.56	83.37	75.77	7.60	10.965		
600.00	598.70	606.18	605.59	4.04	4.04	-152.66	62.84	11.83	87.67	79.57	8.10	10.823		
700.00	697.47	708.41	707.03	4.32	4.32	-151.84	53.63	20.60	92.44	83.77	8.67	10.660		
800.00	795.62	810.70	808.00	4.64	4.64	-150.61	41.80	31.87	97.72	88.41	9.31	10.499		
900.00	893.06	913.03	908.36	5.01	4.99	-149.06	27.36	45.62	103.54	93.54	10.01	10.349		
1,000.00	989.64	1,015.39	1,007.98	5.41	5.38	-147.26	10.33	61.84	109.95	99.19	10.76	10.220		
1,100.00	1,085.27	1,117.76	1,106.70	5.85	5.81	-145.27	-9.27	80.50	116.99	105.42	11.57	10.113		
1,200.00	1,179.82	1,217.71	1,202.47	6.33	6.26	-143.68	-29.96	100.20	125.54	113.13	12.42	10.110		
1,300.00	1,273.17	1,317.05	1,297.66	6.84	6.73	-143.12	-50.55	119.81	136.92	123.61	13.31	10.286		
1,404.90	1,369.69	1,420.87	1,397.14	7.43	7.24	-143.44	-72.07	140.30	151.83	137.55	14.29	10.628		
1,500.00	1,456.50	1,514.77	1,487.11	8.00	7.71	-144.17	-91.53	158.83	166.75	151.56	15.19	10.976		
1,600.00	1,547.79	1,613.51	1,581.72	8.61	8.21	-144.81	-111.99	178.32	182.47	166.31	16.16	11.289		
1,700.00	1,639.07	1,712.25	1,676.33	9.23	8.73	-145.35	-132.46	197.81	198.20	181.05	17.15	11.554		
1,800.00	1,730.36	1,810.98	1,770.94	9.87	9.25	-145.80	-152.92	217.30	213.95	195.79	18.16	11.782		
1,900.00	1,821.64	1,909.72	1,865.55	10.52	9.78	-146.20	-173.38	236.78	229.71	210.54	19.18	11.979		
2,000.00	1,912.93	2,008.46	1,960.16	11.18	10.31	-146.54	-193.85	256.27	245.48	225.28	20.21	12.149		
2,100.00	2,004.21	2,107.20	2,054.76	11.84	10.85	-146.85	-214.31	275.76	261.26	240.02	21.24	12.298		
2,200.00	2,095.50	2,205.94	2,149.37	12.51	11.40	-147.12	-234.77	295.24	277.04	254.75	22.29	12.429		
2,300.00	2,186.78	2,304.68	2,243.98	13.19	11.94	-147.36	-255.24	314.73	292.83	269.49	23.34	12.545		
2,400.00	2,278.06	2,403.42	2,338.59	13.86	12.49	-147.57	-275.70	334.22	308.63	284.23	24.40	12.648		
2,500.00	2,369.35	2,502.16	2,433.20	14.55	13.04	-147.76	-296.17	353.71	324.42	298.96	25.46	12.740		
2,600.00	2,460.63	2,600.89	2,527.81	15.23	13.60	-147.94	-316.63	373.19	340.22	313.69	26.53	12.823		
2,700.00	2,551.92	2,699.63	2,622.42	15.92	14.15	-148.10	-337.09	392.68	356.03	328.42	27.61	12.897		
2,800.00	2,643.20	2,798.37	2,717.03	16.61	14.71	-148.25	-357.56	412.17	371.83	343.15	28.68	12.964		
2,900.00	2,734.49	2,902.89	2,811.63	17.30	15.30	-148.38	-378.02	431.66	387.64	357.85	29.79	13.012		
3,000.00	2,825.77	3,004.15	2,906.24	18.00	15.88	-148.51	-398.48	451.14	403.45	372.56	30.89	13.062		
3,100.00	2,917.06	3,105.41	3,000.85	18.69	16.45	-148.62	-418.95	470.63	419.26	387.28	31.99	13.108		
3,200.00	3,008.34	3,193.33	3,095.46	19.39	16.95	-148.73	-439.41	490.12	435.08	402.06	33.02	13.178		
3,300.00	3,099.63	3,292.06	3,190.07	20.09	17.52	-148.83	-459.87	509.60	450.89	416.79	34.11	13.221		
3,400.00	3,190.91	3,409.20	3,284.68	20.79	18.19	-148.92	-480.34	529.09	466.71	431.41	35.29	13.224		
3,500.00	3,282.20	3,489.54	3,379.29	21.49	18.65	-149.01	-500.80	548.58	482.52	446.23	36.29	13.296		
3,600.00	3,373.48	3,588.28	3,473.89	22.19	19.22	-149.09	-521.27	568.07	498.34	460.96	37.38	13.330		
3,700.00	3,464.77	3,687.02	3,568.50	22.89	19.78	-149.16	-541.73	587.55	514.16	475.68	38.48	13.362		
3,800.00	3,556.05	3,785.76	3,663.11	23.60	20.35	-149.23	-562.19	607.04	529.98	490.40	39.58	13.391		
3,900.00	3,647.34	3,884.50	3,757.72	24.30	20.92	-149.30	-582.66	626.53	545.80	505.12	40.68	13.418		
4,000.00	3,738.62	3,983.24	3,852.33	25.00	21.49	-149.37	-603.12	646.02	561.62	519.84	41.78	13.444		
4,100.00	3,829.91	4,081.97	3,946.94	25.71	22.06	-149.43	-623.58	665.50	577.44	534.57	42.88	13.468		
4,200.00	3,921.19	4,180.71	4,041.55	26.42	22.63	-149.48	-644.05	684.99	593.26	549.29	43.98	13.490		
4,300.00	4,012.48	4,279.45	4,136.16	27.12	23.20	-149.54	-664.51	704.48	609.09	564.01	45.08	13.511		
4,400.00	4,103.76	4,378.19	4,230.76	27.83	23.77	-149.59	-684.98	723.96	624.91	578.73	46.18	13.531		
4,500.00	4,195.05	4,476.93	4,325.37	28.54	24.34	-149.64	-705.44	743.45	640.73	593.45	47.29	13.549		
4,600.00	4,286.33	4,575.67	4,419.98	29.24	24.91	-149.68	-725.90	762.94	656.56	608.16	48.39	13.567		
4,700.00	4,377.62	4,674.41	4,514.59	29.95	25.48	-149.73	-746.37	782.43	672.38	622.88	49.50	13.584		
4,800.00	4,468.90	4,773.15	4,609.20	30.66	26.06	-149.77	-766.83	801.91	688.21	637.60	50.61	13.599		
4,900.00	4,560.19	4,871.88	4,703.81	31.37	26.63	-149.81	-787.29	821.40	704.03	652.32	51.71	13.614		
5,000.00	4,651.47	4,970.62	4,798.42	32.08	27.20	-149.85	-807.76	840.89	719.86	667.04	52.82	13.628		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,100.00	4,742.76	5,069.36	4,893.03	32.79	27.77	-149.88	-828.22	860.38	735.69	681.76	53.93	13.642		
5,200.00	4,834.04	5,168.10	4,987.63	33.50	28.35	-149.92	-848.68	879.86	751.51	696.47	55.04	13.655		
5,300.00	4,925.33	5,266.84	5,082.24	34.21	28.92	-149.95	-869.15	899.35	767.34	711.19	56.15	13.667		
5,400.00	5,016.61	5,365.58	5,176.85	34.92	29.49	-149.98	-889.61	918.84	783.16	725.91	57.26	13.679		
5,500.00	5,107.90	5,464.32	5,271.46	35.63	30.07	-150.01	-910.08	938.32	798.99	740.63	58.36	13.690		
5,600.00	5,199.18	5,563.05	5,366.07	36.34	30.64	-150.04	-930.54	957.81	814.82	755.34	59.48	13.700		
5,700.00	5,290.46	5,661.79	5,460.68	37.05	31.21	-150.07	-951.00	977.30	830.65	770.06	60.59	13.710		
5,800.00	5,381.75	5,760.53	5,555.29	37.76	31.79	-150.10	-971.47	996.79	846.47	784.78	61.70	13.720		
5,900.00	5,473.03	5,859.27	5,649.90	38.47	32.36	-150.13	-991.93	1,016.27	862.30	799.49	62.81	13.729		
6,000.00	5,564.32	5,958.01	5,744.50	39.18	32.94	-150.15	-1,012.39	1,035.76	878.13	814.21	63.92	13.738		
6,100.00	5,655.60	6,056.75	5,839.11	39.90	33.51	-150.18	-1,032.86	1,055.25	893.96	828.93	65.03	13.747		
6,200.00	5,746.89	6,155.49	5,933.72	40.61	34.09	-150.20	-1,053.32	1,074.74	909.79	843.64	66.14	13.755		
6,300.00	5,838.17	6,254.23	6,028.33	41.32	34.66	-150.23	-1,073.78	1,094.22	925.61	858.36	67.26	13.763		
6,400.00	5,929.46	6,352.96	6,122.94	42.03	35.24	-150.25	-1,094.25	1,113.71	941.44	873.07	68.37	13.770		
6,500.00	6,020.74	6,451.70	6,217.55	42.74	35.81	-150.27	-1,114.71	1,133.20	957.27	887.79	69.48	13.777		
6,600.00	6,112.03	6,550.44	6,312.16	43.46	36.39	-150.29	-1,135.18	1,152.69	973.10	902.51	70.59	13.784		
6,700.00	6,203.31	6,649.18	6,406.77	44.17	36.96	-150.31	-1,155.64	1,172.17	988.93	917.22	71.71	13.791		
6,800.00	6,294.60	6,748.53	6,502.00	44.88	37.54	-150.34	-1,176.24	1,191.61	1,004.75	931.93	72.82	13.797		
6,900.00	6,385.88	6,850.19	6,600.81	45.59	38.05	-150.36	-1,197.58	1,201.26	1,020.37	946.60	73.77	13.832		
6,927.91	6,411.36	6,877.74	6,627.73	45.79	38.16	-151.28	-1,203.39	1,201.08	1,024.72	950.75	73.97	13.852		
6,950.00	6,431.59	6,899.26	6,648.75	45.95	38.25	-155.99	-1,207.92	1,200.12	1,028.19	954.06	74.13	13.871		
7,000.00	6,477.77	6,947.39	6,695.56	46.27	38.41	-167.66	-1,218.01	1,195.34	1,036.19	961.74	74.45	13.919		
7,050.00	6,524.26	6,994.76	6,741.15	46.56	38.55	-179.76	-1,227.82	1,187.11	1,044.34	969.60	74.74	13.973		
7,100.00	6,570.76	7,041.43	6,785.37	46.81	38.68	-167.13	-1,237.33	1,175.64	1,052.58	977.56	75.02	14.031		
7,150.00	6,617.00	7,087.46	6,828.06	47.02	38.81	-155.37	-1,246.51	1,161.11	1,060.85	985.55	75.29	14.090		
7,200.00	6,662.68	7,132.91	6,869.10	47.20	38.93	-145.03	-1,255.31	1,143.71	1,069.08	993.51	75.57	14.147		
7,250.00	6,707.53	7,177.82	6,908.36	47.34	39.05	-136.28	-1,263.73	1,123.61	1,077.22	1,001.37	75.85	14.202		
7,300.00	6,751.28	7,222.26	6,945.75	47.47	39.17	-129.00	-1,271.74	1,100.99	1,085.20	1,009.05	76.15	14.251		
7,350.00	6,793.64	7,266.25	6,981.16	47.57	39.30	-122.97	-1,279.31	1,076.02	1,092.97	1,016.50	76.47	14.293		
7,400.00	6,834.35	7,309.86	7,014.52	47.66	39.44	-117.96	-1,286.44	1,048.86	1,100.46	1,023.65	76.81	14.327		
7,450.00	6,873.18	7,353.12	7,045.74	47.75	39.59	-113.78	-1,293.09	1,019.68	1,107.63	1,030.44	77.19	14.349		
7,500.00	6,909.88	7,396.07	7,074.74	47.83	39.75	-110.27	-1,299.27	988.62	1,114.41	1,036.80	77.61	14.359		
7,550.00	6,944.21	7,438.75	7,101.47	47.91	39.93	-107.30	-1,304.95	955.86	1,120.76	1,042.68	78.08	14.354		
7,600.00	6,975.98	7,481.18	7,125.87	47.99	40.13	-104.80	-1,310.12	921.54	1,126.64	1,048.03	78.61	14.332		
7,650.00	7,004.98	7,523.40	7,147.87	48.09	40.34	-102.69	-1,314.77	885.81	1,132.00	1,052.79	79.21	14.292		
7,700.00	7,031.04	7,565.44	7,167.43	48.20	40.58	-100.91	-1,318.90	848.84	1,136.80	1,056.93	79.87	14.233		
7,750.00	7,053.99	7,607.32	7,184.51	48.32	40.84	-99.44	-1,322.48	810.77	1,141.02	1,060.40	80.62	14.154		
7,800.00	7,073.70	7,649.07	7,199.06	48.46	41.13	-98.23	-1,325.51	771.76	1,144.61	1,063.17	81.44	14.055		
7,850.00	7,090.03	7,690.72	7,211.05	48.62	41.44	-97.27	-1,328.00	731.96	1,147.57	1,065.21	82.35	13.935		
7,900.00	7,102.90	7,732.29	7,220.46	48.81	41.78	-96.54	-1,329.92	691.53	1,149.86	1,066.51	83.35	13.796		
7,950.00	7,112.22	7,773.79	7,227.26	49.02	42.14	-96.02	-1,331.28	650.62	1,151.47	1,067.05	84.42	13.640		
8,000.00	7,117.94	7,815.25	7,231.44	49.26	42.53	-95.72	-1,332.07	609.38	1,152.39	1,066.84	85.56	13.469		
8,047.82	7,120.00	7,854.89	7,232.98	49.51	42.91	-95.62	-1,332.30	569.78	1,152.62	1,065.92	86.70	13.294		
8,100.00	7,120.42	7,906.29	7,233.12	49.82	43.46	-95.61	-1,332.19	518.39	1,152.56	1,064.55	88.01	13.095		
8,200.00	7,121.24	8,006.28	7,233.37	50.53	44.64	-95.58	-1,331.98	418.39	1,152.44	1,061.71	90.73	12.701		
8,300.00	7,122.05	8,106.28	7,233.62	51.39	46.00	-95.56	-1,331.77	318.39	1,152.33	1,058.59	93.74	12.293		
8,400.00	7,122.86	8,206.28	7,233.86	52.42	47.51	-95.53	-1,331.56	218.39	1,152.21	1,055.23	96.98	11.881		
8,500.00	7,123.68	8,306.28	7,234.11	53.63	49.16	-95.50	-1,331.34	118.39	1,152.09	1,051.65	100.44	11.471		
8,600.00	7,124.49	8,406.28	7,234.36	55.01	50.93	-95.47	-1,331.13	18.40	1,151.97	1,047.88	104.09	11.067		
8,700.00	7,125.30	8,506.28	7,234.61	56.54	52.80	-95.44	-1,330.92	-81.60	1,151.86	1,043.94	107.92	10.673		

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-14C-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		
8,800.00	7,126.12	8,606.27	7,234.86	58.21	54.77	95.42	-1,330.71	-181.60	1,151.74	1,039.83	111.91	10.291		
8,900.00	7,126.93	8,706.27	7,235.11	60.01	56.83	95.39	-1,330.50	-281.60	1,151.63	1,035.58	116.05	9.924		
9,000.00	7,127.75	8,806.27	7,235.36	61.92	58.95	95.36	-1,330.29	-381.59	1,151.51	1,031.20	120.31	9.571		
9,100.00	7,128.56	8,906.27	7,235.60	63.92	61.15	95.33	-1,330.07	-481.59	1,151.40	1,026.71	124.68	9.235		
9,200.00	7,129.37	9,006.27	7,235.85	66.01	63.39	95.31	-1,329.86	-581.59	1,151.28	1,022.12	129.16	8.913		
9,300.00	7,130.19	9,106.27	7,236.10	68.16	65.69	95.28	-1,329.65	-681.59	1,151.17	1,017.43	133.73	8.608		
9,400.00	7,131.00	9,206.26	7,236.35	70.38	68.04	95.25	-1,329.44	-781.59	1,151.05	1,012.66	138.39	8.317		
9,500.00	7,131.81	9,306.26	7,236.60	72.65	70.42	95.22	-1,329.23	-881.58	1,150.94	1,007.81	143.12	8.042		
9,600.00	7,132.63	9,406.26	7,236.85	74.97	72.84	95.20	-1,329.01	-981.58	1,150.82	1,002.90	147.92	7.780		
9,700.00	7,133.44	9,506.26	7,237.10	77.33	75.29	95.17	-1,328.80	-1,081.58	1,150.71	997.93	152.78	7.532		
9,800.00	7,134.25	9,606.26	7,237.35	79.72	77.77	95.14	-1,328.59	-1,181.58	1,150.60	992.89	157.70	7.296		
9,900.00	7,135.07	9,706.26	7,237.59	82.16	80.28	95.11	-1,328.38	-1,281.58	1,150.48	987.81	162.67	7.072		
10,000.00	7,135.88	9,806.25	7,237.84	84.62	82.81	95.08	-1,328.17	-1,381.57	1,150.37	982.68	167.69	6.860		
10,100.00	7,136.70	9,906.25	7,238.09	87.11	85.36	95.06	-1,327.96	-1,481.57	1,150.26	977.51	172.75	6.659		
10,200.00	7,137.51	10,006.25	7,238.34	89.62	87.93	95.03	-1,327.74	-1,581.57	1,150.14	972.30	177.85	6.467		
10,300.00	7,138.32	10,106.25	7,238.59	92.16	90.52	95.00	-1,327.53	-1,681.57	1,150.03	967.05	182.98	6.285		
10,400.00	7,139.14	10,206.25	7,238.84	94.71	93.13	94.97	-1,327.32	-1,781.56	1,149.92	961.77	188.15	6.112		
10,500.00	7,139.95	10,306.25	7,239.09	97.29	95.75	94.95	-1,327.11	-1,881.56	1,149.81	956.47	193.34	5.947		
10,600.00	7,140.76	10,406.25	7,239.34	99.88	98.38	94.92	-1,326.90	-1,981.56	1,149.70	951.13	198.57	5.790		
10,700.00	7,141.58	10,506.24	7,239.58	102.48	101.03	94.89	-1,326.69	-2,081.56	1,149.59	945.77	203.82	5.640		
10,800.00	7,142.39	10,606.24	7,239.83	105.10	103.69	94.86	-1,326.47	-2,181.56	1,149.48	940.38	209.10	5.497		
10,900.00	7,143.20	10,706.24	7,240.08	107.74	106.36	94.83	-1,326.26	-2,281.55	1,149.37	934.97	214.39	5.361		
11,000.00	7,144.02	10,806.24	7,240.33	110.38	109.04	94.81	-1,326.05	-2,381.55	1,149.26	929.54	219.71	5.231		
11,100.00	7,144.83	10,906.24	7,240.58	113.04	111.73	94.78	-1,325.84	-2,481.55	1,149.15	924.10	225.05	5.106		
11,200.00	7,145.65	11,006.24	7,240.83	115.71	114.42	94.75	-1,325.63	-2,581.55	1,149.04	918.63	230.40	4.987		
11,300.00	7,146.46	11,106.23	7,241.08	118.38	117.13	94.72	-1,325.42	-2,681.55	1,148.93	913.15	235.78	4.873		
11,400.00	7,147.27	11,206.23	7,241.32	121.07	119.84	94.70	-1,325.20	-2,781.54	1,148.82	907.65	241.16	4.764		
11,500.00	7,148.09	11,306.23	7,241.57	123.76	122.56	94.67	-1,324.99	-2,881.54	1,148.71	902.14	246.57	4.659		
11,600.00	7,148.90	11,406.23	7,241.82	126.46	125.28	94.64	-1,324.78	-2,981.54	1,148.60	896.62	251.98	4.558		
11,700.00	7,149.71	11,506.23	7,242.07	129.17	128.01	94.61	-1,324.57	-3,081.54	1,148.49	891.08	257.41	4.462		
11,800.00	7,150.53	11,606.23	7,242.32	131.89	130.75	94.58	-1,324.36	-3,181.53	1,148.38	885.53	262.85	4.369		
11,900.00	7,151.34	11,706.22	7,242.57	134.61	133.49	94.56	-1,324.14	-3,281.53	1,148.28	879.97	268.31	4.280		
12,000.00	7,152.16	11,806.22	7,242.82	137.34	136.24	94.53	-1,323.93	-3,381.53	1,148.17	874.40	273.77	4.194		
12,100.00	7,152.97	11,906.22	7,243.07	140.07	138.99	94.50	-1,323.72	-3,481.53	1,148.06	868.82	279.24	4.111		
12,200.00	7,153.78	12,006.22	7,243.31	142.81	141.75	94.47	-1,323.51	-3,581.53	1,147.95	863.23	284.72	4.032		
12,300.00	7,154.60	12,106.22	7,243.56	145.55	144.51	94.44	-1,323.30	-3,681.52	1,147.85	857.63	290.22	3.955		
12,400.00	7,155.41	12,206.22	7,243.81	148.30	147.27	94.42	-1,323.09	-3,781.52	1,147.74	852.02	295.72	3.881		
12,500.00	7,156.22	12,306.21	7,244.06	151.05	150.04	94.39	-1,322.87	-3,881.52	1,147.64	846.41	301.23	3.810		
12,600.00	7,157.04	12,406.21	7,244.31	153.80	152.81	94.36	-1,322.66	-3,981.52	1,147.53	840.79	306.74	3.741		
12,700.00	7,157.85	12,506.21	7,244.56	156.56	155.58	94.33	-1,322.45	-4,081.52	1,147.42	835.16	312.26	3.675		
12,800.00	7,158.66	12,606.21	7,244.81	159.33	158.36	94.31	-1,322.24	-4,181.51	1,147.32	829.52	317.80	3.610		
12,900.00	7,159.48	12,706.21	7,245.05	162.09	161.14	94.28	-1,322.03	-4,281.51	1,147.21	823.88	323.33	3.548		
13,000.00	7,160.29	12,806.21	7,245.30	164.86	163.93	94.25	-1,321.82	-4,381.51	1,147.11	818.23	328.87	3.488		
13,100.00	7,161.11	12,906.20	7,245.55	167.64	166.71	94.22	-1,321.60	-4,481.51	1,147.00	812.58	334.42	3.430		
13,209.97	7,162.00	13,016.17	7,245.83	170.69	169.78	94.19	-1,321.37	-4,591.47	1,146.89	806.36	340.53	3.368		
13,210.89	7,162.01	13,017.09	7,245.83	170.72	169.80	94.19	-1,321.37	-4,592.39	1,146.89	806.30	340.58	3.367 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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 CC, ES		
300.00	299.98	301.54	301.52	3.44	3.44	-150.78	58.42	1.78	59.99	53.10	6.89	8.709		
400.00	399.84	403.06	402.89	3.59	3.60	-149.71	54.46	5.44	60.72	53.52	7.21	8.426		
500.00	499.45	504.56	503.99	3.79	3.81	-147.98	47.87	11.54	61.99	54.36	7.62	8.131		
600.00	598.70	606.02	604.66	4.04	4.05	-145.68	38.65	20.05	63.84	55.72	8.12	7.858		
700.00	697.47	707.42	704.77	4.32	4.34	-142.91	26.83	30.98	66.36	57.66	8.70	7.627		
800.00	795.62	808.76	804.19	4.64	4.68	-139.82	12.43	44.30	69.63	60.28	9.35	7.450		
900.00	893.06	910.01	902.76	5.01	5.05	-136.54	-4.53	59.98	73.70	63.64	10.06	7.328		
1,000.00	989.64	1,011.17	1,000.38	5.41	5.47	-133.18	-24.02	77.99	78.64	67.81	10.84	7.256		
1,100.00	1,085.27	1,111.35	1,096.29	5.85	5.91	-130.38	-45.26	97.62	84.85	73.17	11.68	7.264		
1,200.00	1,179.82	1,210.98	1,191.62	6.33	6.38	-129.50	-66.51	117.27	93.32	80.75	12.58	7.420		
1,300.00	1,273.17	1,310.39	1,286.74	6.84	6.86	-130.21	-87.72	136.88	104.02	90.51	13.51	7.697		
1,404.90	1,369.69	1,414.30	1,386.17	7.43	7.39	-132.14	-109.89	157.37	117.74	103.22	14.53	8.106		
1,500.00	1,456.50	1,508.29	1,476.11	8.00	7.87	-134.24	-129.95	175.91	131.49	116.03	15.46	8.506		
1,600.00	1,547.79	1,607.13	1,570.68	8.61	8.39	-136.02	-151.03	195.40	146.10	129.65	16.46	8.879		
1,700.00	1,639.07	1,705.96	1,665.25	9.23	8.92	-137.47	-172.12	214.89	160.82	143.36	17.47	9.208		
1,800.00	1,730.36	1,804.80	1,759.82	9.87	9.45	-138.68	-193.20	234.38	175.63	157.14	18.49	9.500		
1,900.00	1,821.64	1,903.63	1,854.40	10.52	9.99	-139.70	-214.29	253.87	190.50	170.98	19.52	9.759		
2,000.00	1,912.93	2,002.47	1,948.97	11.18	10.53	-140.58	-235.38	273.37	205.42	184.86	20.56	9.990		
2,100.00	2,004.21	2,101.30	2,043.54	11.84	11.08	-141.33	-256.46	292.86	220.38	198.77	21.61	10.197		
2,200.00	2,095.50	2,200.14	2,138.11	12.51	11.63	-141.99	-277.55	312.35	235.38	212.71	22.67	10.384		
2,300.00	2,186.78	2,301.02	2,232.68	13.19	12.20	-142.57	-298.64	331.84	250.40	226.66	23.74	10.547		
2,400.00	2,278.06	2,402.19	2,327.26	13.86	12.77	-143.09	-319.72	351.33	265.44	240.62	24.82	10.695		
2,500.00	2,369.35	2,503.35	2,421.83	14.55	13.34	-143.55	-340.81	370.82	280.50	254.60	25.90	10.829		
2,600.00	2,460.63	2,595.48	2,516.40	15.23	13.86	-143.96	-361.89	390.32	295.58	268.64	26.94	10.970		
2,700.00	2,551.92	2,694.32	2,610.97	15.92	14.43	-144.33	-382.98	409.81	310.67	282.65	28.02	11.086		
2,800.00	2,643.20	2,806.85	2,705.55	16.61	15.07	-144.67	-404.07	429.30	325.78	296.60	29.18	11.165		
2,900.00	2,734.49	2,891.99	2,800.12	17.30	15.56	-144.98	-425.15	448.79	340.89	310.70	30.19	11.291		
3,000.00	2,825.77	3,009.18	2,894.69	18.00	16.23	-145.26	-446.24	468.28	356.01	324.63	31.38	11.346		
3,100.00	2,917.06	3,089.66	2,989.26	18.69	16.69	-145.52	-467.33	487.78	371.14	338.77	32.37	11.466		
3,200.00	3,008.34	3,188.49	3,083.83	19.39	17.26	-145.76	-488.41	507.27	386.28	352.81	33.46	11.544		
3,300.00	3,099.63	3,287.33	3,178.41	20.09	17.83	-145.98	-509.50	526.76	401.42	366.86	34.56	11.616		
3,400.00	3,190.91	3,386.17	3,272.98	20.79	18.40	-146.18	-530.58	546.25	416.57	380.92	35.65	11.684		
3,500.00	3,282.20	3,485.00	3,367.55	21.49	18.97	-146.37	-551.67	565.74	431.72	394.97	36.75	11.748		
3,600.00	3,373.48	3,583.84	3,462.12	22.19	19.55	-146.55	-572.76	585.24	446.88	409.03	37.85	11.807		
3,700.00	3,464.77	3,682.67	3,556.69	22.89	20.12	-146.72	-593.84	604.73	462.04	423.09	38.95	11.863		
3,800.00	3,556.05	3,781.51	3,651.27	23.60	20.69	-146.87	-614.93	624.22	477.20	437.15	40.05	11.915		
3,900.00	3,647.34	3,880.34	3,745.84	24.30	21.27	-147.02	-636.01	643.71	492.37	451.22	41.15	11.964		
4,000.00	3,738.62	3,979.18	3,840.41	25.00	21.84	-147.15	-657.10	663.20	507.54	465.29	42.26	12.011		
4,100.00	3,829.91	4,078.01	3,934.98	25.71	22.42	-147.28	-678.19	682.69	522.72	479.35	43.36	12.055		
4,200.00	3,921.19	4,176.85	4,029.56	26.42	22.99	-147.40	-699.27	702.19	537.89	493.42	44.47	12.096		
4,300.00	4,012.48	4,275.69	4,124.13	27.12	23.57	-147.52	-720.36	721.68	553.07	507.50	45.57	12.136		
4,400.00	4,103.76	4,374.52	4,218.70	27.83	24.14	-147.63	-741.45	741.17	568.25	521.57	46.68	12.173		
4,500.00	4,195.05	4,473.36	4,313.27	28.54	24.72	-147.73	-762.53	760.66	583.43	535.64	47.79	12.209		
4,600.00	4,286.33	4,572.19	4,407.84	29.24	25.30	-147.83	-783.62	780.15	598.62	549.72	48.90	12.242		
4,700.00	4,377.62	4,671.03	4,502.42	29.95	25.87	-147.92	-804.70	799.65	613.80	563.79	50.01	12.275		
4,800.00	4,468.90	4,769.86	4,596.99	30.66	26.45	-148.01	-825.79	819.14	628.99	577.87	51.12	12.305		
4,900.00	4,560.19	4,868.70	4,691.56	31.37	27.03	-148.10	-846.88	838.63	644.18	591.95	52.23	12.334		
5,000.00	4,651.47	4,967.53	4,786.13	32.08	27.61	-148.18	-867.96	858.12	659.37	606.03	53.34	12.362		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	5,066.37	4,880.70	32.79	28.18	-148.25	-889.05	877.61	674.56	620.11	54.45	12.389		
5,200.00	4,834.04	5,165.20	4,975.28	33.50	28.76	-148.33	-910.14	897.11	689.75	634.19	55.56	12.414		
5,300.00	4,925.33	5,264.04	5,069.85	34.21	29.34	-148.40	-931.22	916.60	704.94	648.27	56.67	12.439		
5,400.00	5,016.61	5,362.88	5,164.42	34.92	29.92	-148.46	-952.31	936.09	720.14	662.35	57.78	12.462		
5,500.00	5,107.90	5,461.71	5,258.99	35.63	30.50	-148.53	-973.39	955.58	735.33	676.43	58.90	12.485		
5,600.00	5,199.18	5,560.55	5,353.57	36.34	31.08	-148.59	-994.48	975.07	750.53	690.52	60.01	12.506		
5,700.00	5,290.46	5,659.38	5,448.14	37.05	31.66	-148.65	-1,015.57	994.57	765.72	704.60	61.13	12.527		
5,800.00	5,381.75	5,758.22	5,542.71	37.76	32.24	-148.71	-1,036.65	1,014.06	780.92	718.68	62.24	12.547		
5,900.00	5,473.03	5,857.05	5,637.28	38.47	32.82	-148.76	-1,057.74	1,033.55	796.12	732.77	63.35	12.566		
6,000.00	5,564.32	5,955.89	5,731.85	39.18	33.40	-148.82	-1,078.83	1,053.04	811.32	746.85	64.47	12.585		
6,100.00	5,655.60	6,054.72	5,826.43	39.90	33.98	-148.87	-1,099.91	1,072.53	826.52	760.93	65.58	12.603		
6,200.00	5,746.89	6,153.56	5,921.00	40.61	34.56	-148.92	-1,121.00	1,092.02	841.72	775.02	66.70	12.620		
6,300.00	5,838.17	6,252.39	6,015.57	41.32	35.14	-148.96	-1,142.08	1,111.52	856.92	789.10	67.81	12.636		
6,400.00	5,929.46	6,351.23	6,110.14	42.03	35.72	-149.01	-1,163.17	1,131.01	872.12	803.19	68.93	12.652		
6,500.00	6,020.74	6,450.07	6,204.72	42.74	36.30	-149.05	-1,184.26	1,150.50	887.32	817.28	70.05	12.668		
6,600.00	6,112.03	6,548.90	6,299.29	43.46	36.88	-149.10	-1,205.34	1,169.99	902.52	831.36	71.16	12.683		
6,700.00	6,203.31	6,648.84	6,394.94	44.17	37.46	-149.15	-1,226.67	1,189.58	917.72	845.43	72.29	12.696		
6,800.00	6,294.60	6,755.64	6,498.57	44.88	38.00	-149.87	-1,249.88	1,199.65	932.37	859.12	73.25	12.728		
6,900.00	6,385.88	6,856.19	6,596.32	45.59	38.37	-151.52	-1,271.93	1,192.79	946.70	872.82	73.88	12.815		
6,927.91	6,411.36	6,882.55	6,621.67	45.79	38.45	-152.10	-1,277.68	1,188.38	950.80	876.79	74.01	12.847		
6,950.00	6,431.59	6,902.96	6,641.16	45.95	38.51	-156.99	-1,282.10	1,184.23	954.12	880.02	74.10	12.876		
7,000.00	6,477.77	6,948.31	6,683.93	46.27	38.63	-169.05	-1,291.83	1,172.74	961.91	887.61	74.30	12.946		
7,050.00	6,524.26	6,992.59	6,724.80	46.56	38.75	177.99	-1,301.16	1,158.53	970.02	895.53	74.50	13.021		
7,100.00	6,570.76	7,035.91	6,763.76	46.81	38.86	165.01	-1,310.08	1,141.84	978.37	903.69	74.68	13.100		
7,150.00	6,617.00	7,078.37	6,800.78	47.02	38.97	152.90	-1,318.58	1,122.88	986.86	912.00	74.87	13.182		
7,200.00	6,662.68	7,120.07	6,835.85	47.20	39.08	142.23	-1,326.67	1,101.84	995.42	920.37	75.05	13.264		
7,250.00	6,707.53	7,161.08	6,868.96	47.34	39.20	133.17	-1,334.33	1,078.89	1,003.96	928.72	75.23	13.344		
7,300.00	6,751.28	7,201.49	6,900.09	47.47	39.32	125.61	-1,341.57	1,054.19	1,012.40	936.97	75.43	13.422		
7,350.00	6,793.64	7,241.35	6,929.25	47.57	39.45	119.31	-1,348.38	1,027.88	1,020.65	945.01	75.64	13.493		
7,400.00	6,834.35	7,280.73	6,956.42	47.66	39.58	114.05	-1,354.75	1,000.10	1,028.64	952.76	75.88	13.556		
7,450.00	6,873.18	7,319.68	6,981.58	47.75	39.73	109.64	-1,360.69	970.98	1,036.30	960.16	76.15	13.610		
7,500.00	6,909.88	7,358.25	7,004.74	47.83	39.89	105.92	-1,366.19	940.64	1,043.56	967.11	76.45	13.650		
7,550.00	6,944.21	7,396.48	7,025.89	47.91	40.06	102.77	-1,371.24	909.20	1,050.36	973.55	76.81	13.676		
7,600.00	6,975.98	7,434.42	7,045.01	47.99	40.26	100.10	-1,375.85	876.76	1,056.63	979.40	77.23	13.682		
7,650.00	7,004.98	7,472.10	7,062.09	48.09	40.46	97.84	-1,380.01	843.45	1,062.32	984.60	77.72	13.669		
7,700.00	7,031.04	7,509.55	7,077.14	48.20	40.69	95.94	-1,383.71	809.36	1,067.39	989.10	78.29	13.634		
7,750.00	7,053.99	7,546.80	7,090.14	48.32	40.93	94.35	-1,386.97	774.61	1,071.79	992.84	78.95	13.576		
7,800.00	7,073.70	7,583.89	7,101.09	48.46	41.20	93.05	-1,389.76	739.29	1,075.49	995.77	79.71	13.492		
7,850.00	7,090.03	7,620.83	7,109.99	48.62	41.48	92.02	-1,392.10	703.52	1,078.45	997.88	80.57	13.386		
7,900.00	7,102.90	7,657.66	7,116.82	48.81	41.78	91.23	-1,393.98	667.38	1,080.65	999.13	81.52	13.257		
7,950.00	7,112.22	7,694.40	7,121.60	49.02	42.10	90.68	-1,395.40	630.99	1,082.08	999.51	82.57	13.106		
8,000.00	7,117.94	7,731.07	7,124.31	49.26	42.44	90.36	-1,396.36	594.43	1,082.71	999.01	83.70	12.935		
8,047.82	7,120.00	7,768.50	7,125.02	49.51	42.81	90.26	-1,396.87	557.02	1,082.56	997.71	84.85	12.758		
8,100.00	7,120.42	7,820.67	7,125.15	49.82	43.36	90.24	-1,397.40	504.85	1,081.89	995.72	86.18	12.555		
8,200.00	7,121.24	7,920.66	7,125.39	50.53	44.55	90.21	-1,398.40	404.87	1,080.61	991.69	88.92	12.152		
8,300.00	7,122.05	8,020.65	7,125.63	51.39	45.91	90.18	-1,399.40	304.88	1,079.34	987.40	91.94	11.740		
8,400.00	7,122.86	8,120.64	7,125.87	52.42	47.43	90.15	-1,400.40	204.90	1,078.06	982.85	95.21	11.323		
8,500.00	7,123.68	8,220.63	7,126.11	53.63	49.08	90.12	-1,401.40	104.91	1,076.78	978.09	98.70	10.910		
8,600.00	7,124.49	8,320.62	7,126.35	55.01	50.86	90.09	-1,402.40	4.93	1,075.50	973.12	102.38	10.505		
8,700.00	7,125.30	8,420.61	7,126.59	56.54	52.75	90.06	-1,403.41	-95.06	1,074.23	967.98	106.25	10.110		

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-14C-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-14C-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		
8,800.00	7,126.12	8,520.60	7,126.83	58.21	54.72	90.03	-1,404.41	-195.04	1,072.95	962.67	110.28	9.729		
8,900.00	7,126.93	8,620.59	7,127.07	60.01	56.78	90.00	-1,405.41	-295.03	1,071.67	957.22	114.45	9.364		
9,000.00	7,127.75	8,720.58	7,127.31	61.92	58.92	89.97	-1,406.41	-395.01	1,070.40	951.65	118.75	9.014		
9,100.00	7,128.56	8,820.57	7,127.55	63.92	61.12	89.94	-1,407.41	-495.00	1,069.12	945.96	123.16	8.681		
9,200.00	7,129.37	8,920.56	7,127.79	66.01	63.37	89.91	-1,408.41	-594.98	1,067.85	940.17	127.68	8.364		
9,300.00	7,130.19	9,020.55	7,128.03	68.16	65.67	89.88	-1,409.41	-694.97	1,066.57	934.28	132.29	8.063		
9,400.00	7,131.00	9,120.54	7,128.27	70.38	68.02	89.85	-1,410.42	-794.95	1,065.30	928.32	136.98	7.777		
9,500.00	7,131.81	9,220.53	7,128.51	72.65	70.41	89.82	-1,411.42	-894.94	1,064.02	922.28	141.74	7.507		
9,600.00	7,132.63	9,320.52	7,128.75	74.97	72.83	89.78	-1,412.42	-994.92	1,062.75	916.17	146.58	7.250		
9,700.00	7,133.44	9,420.51	7,128.99	77.33	75.29	89.75	-1,413.42	-1,094.91	1,061.47	910.00	151.47	7.008		
9,800.00	7,134.25	9,520.50	7,129.23	79.72	77.77	89.72	-1,414.42	-1,194.89	1,060.20	903.78	156.42	6.778		
9,900.00	7,135.07	9,620.49	7,129.47	82.16	80.28	89.69	-1,415.42	-1,294.88	1,058.93	897.50	161.42	6.560		
10,000.00	7,135.88	9,720.48	7,129.71	84.62	82.82	89.66	-1,416.42	-1,394.86	1,057.65	891.19	166.47	6.353		
10,100.00	7,136.70	9,820.47	7,129.95	87.11	85.37	89.63	-1,417.43	-1,494.85	1,056.38	884.83	171.56	6.158		
10,200.00	7,137.51	9,920.46	7,130.18	89.62	87.94	89.60	-1,418.43	-1,594.83	1,055.11	878.43	176.68	5.972		
10,300.00	7,138.32	10,020.45	7,130.42	92.16	90.53	89.56	-1,419.43	-1,694.82	1,053.84	872.00	181.84	5.795		
10,400.00	7,139.14	10,120.44	7,130.66	94.71	93.14	89.53	-1,420.43	-1,794.80	1,052.56	865.53	187.03	5.628		
10,500.00	7,139.95	10,220.43	7,130.90	97.29	95.76	89.50	-1,421.43	-1,894.79	1,051.29	859.04	192.25	5.468		
10,600.00	7,140.76	10,320.42	7,131.14	99.88	98.39	89.47	-1,422.43	-1,994.77	1,050.02	852.52	197.50	5.317		
10,700.00	7,141.58	10,420.41	7,131.38	102.48	101.04	89.44	-1,423.43	-2,094.76	1,048.75	845.98	202.78	5.172		
10,800.00	7,142.39	10,520.40	7,131.62	105.10	103.70	89.41	-1,424.44	-2,194.74	1,047.48	839.41	208.07	5.034		
10,900.00	7,143.20	10,620.39	7,131.86	107.74	106.37	89.37	-1,425.44	-2,294.73	1,046.21	832.82	213.39	4.903		
11,000.00	7,144.02	10,720.38	7,132.10	110.38	109.05	89.34	-1,426.44	-2,394.71	1,044.94	826.22	218.72	4.777		
11,100.00	7,144.83	10,820.37	7,132.34	113.04	111.73	89.31	-1,427.44	-2,494.70	1,043.67	819.59	224.08	4.658		
11,200.00	7,145.65	10,920.36	7,132.58	115.71	114.43	89.28	-1,428.44	-2,594.68	1,042.40	812.95	229.45	4.543		
11,300.00	7,146.46	11,020.35	7,132.82	118.38	117.13	89.24	-1,429.44	-2,694.66	1,041.13	806.29	234.84	4.433		
11,400.00	7,147.27	11,120.35	7,133.06	121.07	119.84	89.21	-1,430.45	-2,794.65	1,039.87	799.62	240.24	4.328		
11,500.00	7,148.09	11,220.34	7,133.30	123.76	122.56	89.18	-1,431.45	-2,894.63	1,038.60	792.94	245.66	4.228		
11,600.00	7,148.90	11,320.33	7,133.54	126.46	125.28	89.15	-1,432.45	-2,994.62	1,037.33	786.24	251.09	4.131		
11,700.00	7,149.71	11,420.32	7,133.78	129.17	128.01	89.11	-1,433.45	-3,094.60	1,036.06	779.53	256.53	4.039		
11,800.00	7,150.53	11,520.31	7,134.02	131.89	130.75	89.08	-1,434.45	-3,194.59	1,034.80	772.82	261.98	3.950		
11,900.00	7,151.34	11,620.30	7,134.26	134.61	133.49	89.05	-1,435.45	-3,294.57	1,033.53	766.09	267.44	3.864		
12,000.00	7,152.16	11,720.29	7,134.50	137.34	136.23	89.01	-1,436.45	-3,394.56	1,032.26	759.35	272.92	3.782		
12,100.00	7,152.97	11,820.28	7,134.74	140.07	138.98	88.98	-1,437.46	-3,494.54	1,031.00	752.60	278.40	3.703		
12,200.00	7,153.78	11,920.27	7,134.98	142.81	141.74	88.95	-1,438.46	-3,594.53	1,029.73	745.84	283.89	3.627		
12,300.00	7,154.60	12,020.26	7,135.22	145.55	144.50	88.91	-1,439.46	-3,694.51	1,028.47	739.08	289.39	3.554		
12,400.00	7,155.41	12,120.25	7,135.46	148.30	147.26	88.88	-1,440.46	-3,794.50	1,027.20	732.31	294.89	3.483		
12,500.00	7,156.22	12,220.24	7,135.70	151.05	150.02	88.85	-1,441.46	-3,894.48	1,025.94	725.53	300.41	3.415		
12,600.00	7,157.04	12,320.23	7,135.94	153.80	152.79	88.81	-1,442.46	-3,994.47	1,024.67	718.74	305.93	3.349		
12,700.00	7,157.85	12,420.22	7,136.18	156.56	155.56	88.78	-1,443.46	-4,094.45	1,023.41	711.95	311.45	3.286		
12,800.00	7,158.66	12,520.21	7,136.42	159.33	158.34	88.75	-1,444.47	-4,194.44	1,022.14	705.16	316.99	3.225		
12,900.00	7,159.48	12,620.20	7,136.66	162.09	161.12	88.71	-1,445.47	-4,294.42	1,020.88	698.35	322.53	3.165		
13,000.00	7,160.29	12,720.19	7,136.90	164.86	163.90	88.68	-1,446.47	-4,394.41	1,019.62	691.55	328.07	3.108		
13,100.00	7,161.11	12,820.18	7,137.14	167.64	166.68	88.65	-1,447.47	-4,494.39	1,018.36	684.73	333.62	3.052		
13,209.97	7,162.00	12,930.14	7,137.40	170.69	169.74	88.61	-1,448.57	-4,604.35	1,016.97	677.24	339.73	2.993		
13,210.89	7,162.01	12,931.05	7,137.40	170.72	169.77	88.61	-1,448.58	-4,605.26	1,016.96	677.18	339.78	2.993 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-14A-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	3.28	3.28	0.00	14.93	0.00	14.93					
100.00	100.00	100.00	100.00	3.28	3.28	0.00	14.93	0.00	14.93	8.36	6.57	2.273		
200.00	200.00	200.00	200.00	3.34	3.34	0.00	14.93	0.00	14.93	8.26	6.67	2.237 CC, ES		
300.00	299.98	299.98	299.98	3.44	3.44	-154.54	14.93	0.00	16.49	9.60	6.89	2.395		
400.00	399.84	400.49	400.47	3.59	3.60	-158.71	13.42	0.90	19.72	12.52	7.20	2.740		
500.00	499.45	501.13	500.96	3.79	3.79	-161.35	8.86	3.59	23.05	15.44	7.61	3.030		
600.00	598.70	601.89	601.33	4.04	4.03	-163.02	1.25	8.09	26.43	18.33	8.11	3.261		
700.00	697.47	702.76	701.44	4.32	4.30	-164.03	-9.40	14.39	29.85	21.17	8.68	3.439		
800.00	795.62	803.76	801.17	4.64	4.61	-164.59	-23.09	22.49	33.28	23.97	9.32	3.572		
900.00	893.06	904.88	900.40	5.01	4.95	-164.81	-39.83	32.39	36.72	26.71	10.01	3.670		
1,000.00	989.64	1,006.12	998.99	5.41	5.34	-164.79	-59.59	44.07	40.16	29.42	10.74	3.739		
1,100.00	1,085.27	1,107.47	1,096.82	5.85	5.75	-164.58	-82.37	57.55	43.59	32.08	11.51	3.786		
1,200.00	1,179.82	1,208.94	1,193.77	6.33	6.21	-164.23	-108.14	72.79	47.01	34.69	12.32	3.816		
1,300.00	1,273.17	1,310.53	1,289.70	6.84	6.70	-163.75	-136.89	89.79	50.42	37.26	13.16	3.831		
1,404.90	1,369.69	1,417.21	1,389.10	7.43	7.26	-163.15	-170.21	109.49	53.99	39.91	14.08	3.835		
1,500.00	1,456.50	1,513.41	1,477.53	8.00	7.80	-162.13	-202.82	128.78	55.90	40.95	14.95	3.740		
1,600.00	1,547.79	1,613.40	1,569.16	8.61	8.39	-160.89	-237.27	149.15	57.25	41.35	15.91	3.599		
1,700.00	1,639.07	1,713.38	1,660.78	9.23	9.00	-159.71	-271.72	169.53	58.64	41.74	16.90	3.470		
1,800.00	1,730.36	1,813.36	1,752.40	9.87	9.62	-158.58	-306.18	189.90	60.05	42.12	17.92	3.350		
1,900.00	1,821.64	1,913.35	1,844.02	10.52	10.25	-157.51	-340.63	210.28	61.48	42.50	18.97	3.240		
2,000.00	1,912.93	2,013.33	1,935.64	11.18	10.89	-156.48	-375.08	230.65	62.93	42.88	20.04	3.139		
2,100.00	2,004.21	2,113.31	2,027.26	11.84	11.54	-155.50	-409.53	251.03	64.40	43.26	21.14	3.047		
2,200.00	2,095.50	2,213.30	2,118.89	12.51	12.20	-154.56	-443.99	271.40	65.89	43.64	22.25	2.961		
2,300.00	2,186.78	2,313.28	2,210.51	13.19	12.86	-153.67	-478.44	291.78	67.39	44.02	23.38	2.883		
2,400.00	2,278.06	2,413.26	2,302.13	13.86	13.53	-152.82	-512.89	312.15	68.91	44.39	24.52	2.811		
2,500.00	2,369.35	2,513.25	2,393.75	14.55	14.20	-152.00	-547.34	332.53	70.45	44.77	25.68	2.744		
2,600.00	2,460.63	2,613.23	2,485.37	15.23	14.88	-151.21	-581.80	352.90	72.00	45.15	26.85	2.682		
2,700.00	2,551.92	2,713.21	2,576.99	15.92	15.56	-150.46	-616.25	373.28	73.56	45.53	28.03	2.625		
2,800.00	2,643.20	2,813.20	2,668.62	16.61	16.24	-149.75	-650.70	393.65	75.13	45.91	29.22	2.571		
2,900.00	2,734.49	2,913.18	2,760.24	17.30	16.92	-149.06	-685.15	414.03	76.72	46.30	30.42	2.522		
3,000.00	2,825.77	3,013.16	2,851.86	18.00	17.61	-148.40	-719.61	434.41	78.31	46.68	31.63	2.476		
3,100.00	2,917.06	3,113.15	2,943.48	18.69	18.29	-147.76	-754.06	454.78	79.92	47.07	32.85	2.433		
3,200.00	3,008.34	3,213.13	3,035.10	19.39	18.98	-147.15	-788.51	475.16	81.53	47.46	34.08	2.393		
3,300.00	3,099.63	3,313.11	3,126.72	20.09	19.67	-146.57	-822.96	495.53	83.16	47.85	35.31	2.355		
3,400.00	3,190.91	3,413.10	3,218.35	20.79	20.36	-146.00	-857.42	515.91	84.79	48.24	36.55	2.320		
3,500.00	3,282.20	3,513.08	3,309.97	21.49	21.06	-145.46	-891.87	536.28	86.43	48.63	37.80	2.287		
3,600.00	3,373.48	3,613.06	3,401.59	22.19	21.75	-144.94	-926.32	556.66	88.08	49.03	39.05	2.256		
3,700.00	3,464.77	3,713.05	3,493.21	22.89	22.45	-144.44	-960.77	577.03	89.73	49.43	40.31	2.226		
3,800.00	3,556.05	3,813.03	3,584.83	23.60	23.14	-143.95	-995.23	597.41	91.40	49.83	41.57	2.199		
3,900.00	3,647.34	3,913.01	3,676.45	24.30	23.84	-143.49	-1,029.68	617.78	93.06	50.23	42.84	2.173		
4,000.00	3,738.62	4,012.99	3,768.08	25.00	24.54	-143.04	-1,064.13	638.16	94.74	50.63	44.11	2.148		
4,100.00	3,829.91	4,112.98	3,859.70	25.71	25.24	-142.60	-1,098.58	658.53	96.42	51.03	45.38	2.125		
4,200.00	3,921.19	4,212.96	3,951.32	26.42	25.93	-142.18	-1,133.04	678.91	98.10	51.44	46.66	2.102		
4,300.00	4,012.48	4,312.94	4,042.94	27.12	26.63	-141.78	-1,167.49	699.28	99.79	51.85	47.94	2.081		
4,400.00	4,103.76	4,412.93	4,134.56	27.83	27.33	-141.39	-1,201.94	719.66	101.49	52.26	49.23	2.062		
4,500.00	4,195.05	4,512.91	4,226.18	28.54	28.03	-141.01	-1,236.40	740.03	103.19	52.67	50.52	2.043		
4,600.00	4,286.33	4,612.89	4,317.81	29.24	28.74	-140.64	-1,270.85	760.41	104.89	53.08	51.81	2.025		
4,700.00	4,377.62	4,712.88	4,409.43	29.95	29.44	-140.28	-1,305.30	780.78	106.60	53.49	53.10	2.007		
4,800.00	4,468.90	4,812.86	4,501.05	30.66	30.14	-139.94	-1,339.75	801.16	108.31	53.91	54.40	1.991		
4,900.00	4,560.19	4,912.84	4,592.67	31.37	30.84	-139.61	-1,374.21	821.53	110.03	54.33	55.70	1.975		
5,000.00	4,651.47	5,012.83	4,684.29	32.08	31.54	-139.28	-1,408.66	841.91	111.74	54.74	57.00	1.960		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-14A-S - OH - Plan #1													Offset Well Error:	3.28 ft
Survey Program: 0-MWD+IFR1														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
5,100.00	4,742.76	5,112.81	4,775.91	32.79	32.25	-138.97	-1,443.11	862.28	113.47	55.16	58.30	1.946		
5,200.00	4,834.04	5,212.79	4,867.54	33.50	32.95	-138.67	-1,477.56	882.66	115.19	55.58	59.61	1.932		
5,300.00	4,925.33	5,312.78	4,959.16	34.21	33.65	-138.37	-1,512.02	903.03	116.92	56.00	60.92	1.919		
5,400.00	5,016.61	5,412.76	5,050.78	34.92	34.36	-138.09	-1,546.47	923.41	118.65	56.43	62.23	1.907		
5,500.00	5,107.90	5,512.74	5,143.40	35.63	35.06	-137.81	-1,580.92	943.79	120.39	56.85	63.54	1.895		
5,600.00	5,199.18	5,612.73	5,234.02	36.34	35.77	-137.54	-1,615.37	964.16	122.13	57.28	64.85	1.883		
5,700.00	5,290.46	5,712.71	5,325.64	37.05	36.47	-137.28	-1,649.83	984.54	123.87	57.70	66.16	1.872		
5,800.00	5,381.75	5,812.69	5,417.26	37.76	37.17	-137.02	-1,684.28	1,004.91	125.61	58.13	67.48	1.861		
5,900.00	5,473.03	5,912.68	5,508.89	38.47	37.88	-136.77	-1,718.73	1,025.29	127.36	58.56	68.80	1.851		
6,000.00	5,564.32	6,012.66	5,600.51	39.18	38.58	-136.53	-1,753.18	1,045.66	129.10	58.99	70.12	1.841		
6,100.00	5,655.60	6,112.64	5,692.13	39.90	39.29	-136.30	-1,787.64	1,066.04	130.85	59.42	71.44	1.832		
6,200.00	5,746.89	6,212.63	5,783.75	40.61	40.00	-136.07	-1,822.09	1,086.41	132.60	59.85	72.76	1.823		
6,300.00	5,838.17	6,312.61	5,875.37	41.32	40.70	-135.84	-1,856.54	1,106.79	134.36	60.28	74.08	1.814		
6,400.00	5,929.46	6,412.59	5,966.99	42.03	41.41	-135.63	-1,890.99	1,127.16	136.12	60.71	75.40	1.805		
6,500.00	6,020.74	6,512.58	6,058.62	42.74	42.11	-135.42	-1,925.45	1,147.54	137.87	61.15	76.73	1.797		
6,600.00	6,112.03	6,612.56	6,150.24	43.46	42.82	-135.21	-1,959.90	1,167.91	139.63	61.58	78.05	1.789		
6,700.00	6,203.31	6,712.58	6,241.89	44.17	43.52	-135.01	-1,994.37	1,188.30	141.39	62.02	79.38	1.781		
6,800.00	6,294.60	6,812.54	6,340.91	44.88	44.19	-134.82	-2,031.55	1,201.11	140.69	61.19	79.50	1.770		
6,900.00	6,385.88	6,902.54	6,435.57	45.59	44.67	-134.65	-2,067.02	1,196.79	137.90	60.10	77.80	1.772		
6,922.40	6,406.33	6,942.03	6,455.51	45.75	44.76	-134.98	-2,074.48	1,193.81	137.72	60.42	77.30	1.782		
6,927.91	6,411.36	6,947.23	6,460.32	45.79	44.78	-134.74	-2,076.28	1,192.98	137.73	60.56	77.17	1.785		
6,950.00	6,431.59	6,967.93	6,479.39	45.95	44.85	-134.91	-2,083.41	1,189.26	138.05	61.36	76.69	1.800		
7,000.00	6,477.77	7,013.94	6,521.31	46.27	44.99	-135.99	-2,099.07	1,178.65	140.34	64.55	75.78	1.852		
7,050.00	6,524.26	7,058.87	6,561.47	46.56	45.11	-136.36	-2,114.06	1,165.19	144.59	69.59	75.01	1.928		
7,100.00	6,570.76	7,102.84	6,599.81	46.81	45.21	-136.13	-2,128.36	1,149.12	150.51	76.31	74.20	2.029		
7,150.00	6,617.00	7,145.94	6,636.30	47.02	45.29	-133.30	-2,141.94	1,130.67	157.74	84.54	73.20	2.155		
7,200.00	6,662.68	7,188.24	6,670.91	47.20	45.37	-119.44	-2,154.81	1,110.04	165.93	94.00	71.93	2.307		
7,250.00	6,707.53	7,229.82	6,703.60	47.34	45.45	-107.69	-2,166.96	1,087.41	174.76	104.41	70.34	2.484		
7,300.00	6,751.28	7,270.76	6,734.38	47.47	45.52	-97.89	-2,178.37	1,062.96	183.95	115.48	68.48	2.686		
7,350.00	6,793.64	7,311.12	6,763.22	47.57	45.59	-89.76	-2,189.05	1,036.84	193.28	126.91	66.37	2.912		
7,400.00	6,834.35	7,350.96	6,790.12	47.66	45.67	-83.02	-2,199.00	1,009.19	202.55	138.44	64.10	3.160		
7,450.00	6,873.18	7,390.33	6,815.06	47.75	45.75	-77.41	-2,208.20	980.16	211.59	149.84	61.74	3.427		
7,500.00	6,909.88	7,429.28	6,838.04	47.83	45.84	-72.73	-2,216.66	949.88	220.27	160.88	59.39	3.709		
7,550.00	6,944.21	7,467.87	6,859.05	47.91	45.93	-68.82	-2,224.38	918.46	228.49	171.37	57.12	4.000		
7,600.00	6,975.98	7,506.12	6,878.09	47.99	46.04	-65.54	-2,231.36	886.03	236.15	181.10	55.04	4.290		
7,650.00	7,004.98	7,544.09	6,895.15	48.09	46.15	-62.81	-2,237.59	852.69	243.18	189.92	53.26	4.566		
7,700.00	7,031.04	7,581.81	6,910.23	48.20	46.28	-60.53	-2,243.07	818.56	249.51	197.66	51.85	4.812		
7,750.00	7,053.99	7,619.31	6,923.32	48.32	46.42	-58.66	-2,247.80	783.74	255.10	204.18	50.92	5.010		
7,800.00	7,073.70	7,656.63	6,934.43	48.46	46.58	-57.14	-2,251.78	748.34	259.90	209.39	50.52	5.145		
7,850.00	7,090.03	7,693.81	6,943.54	48.62	46.75	-55.93	-2,255.02	712.45	263.88	213.19	50.69	5.205		
7,900.00	7,102.90	7,730.86	6,950.65	48.81	46.93	-55.02	-2,257.50	676.17	267.01	215.55	51.47	5.188		
7,950.00	7,112.22	7,767.83	6,955.77	49.02	47.14	-54.37	-2,259.24	639.61	269.28	216.47	52.81	5.099		
8,000.00	7,117.94	7,804.74	6,958.88	49.26	47.36	-53.98	-2,260.22	602.85	270.66	215.98	54.68	4.950		
8,047.82	7,120.00	7,844.93	6,960.00	49.51	47.62	-53.84	-2,260.46	568.35	271.15	214.09	57.05	4.753		
8,100.00	7,120.42	7,908.56	6,960.13	49.82	48.08	-53.80	-2,260.25	516.17	271.38	213.09	58.28	4.656		
8,200.00	7,121.24	8,008.56	6,960.38	50.53	48.94	-53.72	-2,259.84	416.17	271.82	211.19	60.62	4.484		
8,300.00	7,122.05	8,108.56	6,960.63	51.39	49.97	-53.64	-2,259.43	316.18	272.26	209.03	63.23	4.306		
8,400.00	7,122.86	8,208.56	6,960.88	52.42	51.17	-53.56	-2,259.02	216.18	272.70	206.64	66.06	4.128		
8,500.00	7,123.68	8,308.56	6,961.14	53.63	52.54	-53.48	-2,258.61	116.18	273.14	204.05	69.09	3.953		
8,600.00	7,124.49	8,408.57	6,961.39	55.01	54.07	-53.40	-2,258.20	16.18	273.58	201.28	72.30	3.784		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 4N-14A-S - OH - Plan #1													Offset Site Error: 0.00 ft	
Survey Program: 0-MWD+IFR1													Offset Well Error: 3.28 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	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)			
8,700.00	7,125.30	8,508.57	6,961.64	56.54	55.74	53.33	-2,257.79	-83.81	274.03	198.37	75.66	3.622		
8,800.00	7,126.12	8,608.57	6,961.89	58.21	57.53	53.25	-2,257.38	-183.81	274.47	195.32	79.15	3.468		
8,900.00	7,126.93	8,708.57	6,962.14	60.01	59.44	53.17	-2,256.97	-283.81	274.92	192.17	82.75	3.322		
9,000.00	7,127.75	8,808.57	6,962.39	61.92	61.44	53.10	-2,256.56	-383.80	275.36	188.92	86.45	3.185		
9,100.00	7,128.56	8,908.57	6,962.65	63.92	63.52	53.02	-2,256.16	-483.80	275.81	185.58	90.23	3.057		
9,200.00	7,129.37	9,008.58	6,962.90	66.01	65.67	52.94	-2,255.75	-583.80	276.25	182.17	94.08	2.936		
9,300.00	7,130.19	9,108.58	6,963.15	68.16	67.89	52.87	-2,255.34	-683.80	276.70	178.70	98.00	2.824		
9,400.00	7,131.00	9,208.58	6,963.40	70.38	70.16	52.79	-2,254.93	-783.79	277.15	175.18	101.97	2.718		
9,500.00	7,131.81	9,308.58	6,963.65	72.65	72.48	52.72	-2,254.52	-883.79	277.59	171.61	105.99	2.619		
9,600.00	7,132.63	9,408.58	6,963.91	74.97	74.85	52.64	-2,254.11	-983.79	278.04	168.00	110.04	2.527		
9,700.00	7,133.44	9,508.58	6,964.16	77.33	77.25	52.57	-2,253.70	-1,083.79	278.49	164.35	114.14	2.440		
9,800.00	7,134.25	9,608.59	6,964.41	79.72	79.69	52.49	-2,253.29	-1,183.78	278.94	160.67	118.27	2.359		
9,900.00	7,135.07	9,708.59	6,964.66	82.16	82.15	52.42	-2,252.88	-1,283.78	279.39	156.97	122.42	2.282		
10,000.00	7,135.88	9,808.59	6,964.91	84.62	84.65	52.34	-2,252.47	-1,383.78	279.84	153.24	126.60	2.210		
10,100.00	7,136.70	9,908.59	6,965.17	87.11	87.17	52.27	-2,252.06	-1,483.77	280.29	149.49	130.80	2.143		
10,200.00	7,137.51	10,008.59	6,965.42	89.62	89.71	52.19	-2,251.65	-1,583.77	280.74	145.72	135.02	2.079		
10,300.00	7,138.32	10,108.59	6,965.67	92.16	92.27	52.12	-2,251.24	-1,683.77	281.19	141.94	139.25	2.019		
10,400.00	7,139.14	10,208.60	6,965.92	94.71	94.85	52.05	-2,250.83	-1,783.77	281.64	138.14	143.50	1.963		
10,500.00	7,139.95	10,308.60	6,966.17	97.29	97.44	51.97	-2,250.42	-1,883.76	282.09	134.34	147.76	1.909		
10,600.00	7,140.76	10,408.60	6,966.42	99.88	100.06	51.90	-2,250.01	-1,983.76	282.55	130.52	152.02	1.859		
10,700.00	7,141.58	10,508.60	6,966.68	102.48	102.68	51.83	-2,249.60	-2,083.76	283.00	126.70	156.30	1.811		
10,800.00	7,142.39	10,608.60	6,966.93	105.10	105.32	51.76	-2,249.19	-2,183.75	283.45	122.87	160.59	1.765		
10,900.00	7,143.20	10,708.60	6,967.18	107.74	107.97	51.68	-2,248.78	-2,283.75	283.91	119.03	164.88	1.722		
11,000.00	7,144.02	10,808.61	6,967.43	110.38	110.64	51.61	-2,248.37	-2,383.75	284.36	115.19	169.17	1.681		
11,100.00	7,144.83	10,908.61	6,967.68	113.04	113.31	51.54	-2,247.96	-2,483.75	284.82	111.34	173.47	1.642		
11,200.00	7,145.65	11,008.61	6,967.94	115.71	115.99	51.47	-2,247.56	-2,583.74	285.27	107.49	177.78	1.605		
11,300.00	7,146.46	11,108.61	6,968.19	118.38	118.68	51.40	-2,247.15	-2,683.74	285.73	103.64	182.09	1.569		
11,400.00	7,147.27	11,208.61	6,968.44	121.07	121.38	51.33	-2,246.74	-2,783.74	286.18	99.79	186.39	1.535		
11,500.00	7,148.09	11,308.61	6,968.69	123.76	124.09	51.26	-2,246.33	-2,883.73	286.64	95.94	190.70	1.503		
11,600.00	7,148.90	11,408.62	6,968.94	126.46	126.80	51.19	-2,245.92	-2,983.73	287.10	92.08	195.01	1.472 Level 3		
11,700.00	7,149.71	11,508.62	6,969.20	129.17	129.52	51.11	-2,245.51	-3,083.73	287.55	88.23	199.32	1.443 Level 3		
11,800.00	7,150.53	11,608.62	6,969.45	131.89	132.24	51.04	-2,245.10	-3,183.73	288.01	84.38	203.64	1.414 Level 3		
11,900.00	7,151.34	11,708.62	6,969.70	134.61	134.98	50.97	-2,244.69	-3,283.72	288.47	80.52	207.95	1.387 Level 3		
12,000.00	7,152.16	11,808.62	6,969.95	137.34	137.71	50.90	-2,244.28	-3,383.72	288.93	76.67	212.25	1.361 Level 3		
12,100.00	7,152.97	11,908.62	6,970.20	140.07	140.46	50.84	-2,243.87	-3,483.72	289.39	72.83	216.56	1.336 Level 3		
12,200.00	7,153.78	12,008.63	6,970.45	142.81	143.20	50.77	-2,243.46	-3,583.71	289.85	68.98	220.87	1.312 Level 3		
12,300.00	7,154.60	12,108.63	6,970.71	145.55	145.96	50.70	-2,243.05	-3,683.71	290.31	65.14	225.17	1.289 Level 3		
12,400.00	7,155.41	12,208.63	6,970.96	148.30	148.71	50.63	-2,242.64	-3,783.71	290.77	61.29	229.47	1.267 Level 3		
12,500.00	7,156.22	12,308.63	6,971.21	151.05	151.47	50.56	-2,242.23	-3,883.71	291.23	57.46	233.77	1.246 Level 2		
12,600.00	7,157.04	12,408.63	6,971.46	153.80	154.24	50.49	-2,241.82	-3,983.70	291.69	53.62	238.07	1.225 Level 2		
12,700.00	7,157.85	12,508.63	6,971.71	156.56	157.00	50.42	-2,241.41	-4,083.70	292.15	49.79	242.36	1.205 Level 2		
12,800.00	7,158.66	12,608.64	6,971.97	159.33	159.77	50.36	-2,241.00	-4,183.70	292.61	45.96	246.65	1.186 Level 2		
12,900.00	7,159.48	12,708.64	6,972.22	162.09	162.55	50.29	-2,240.59	-4,283.69	293.08	42.14	250.94	1.168 Level 2		
13,000.00	7,160.29	12,808.64	6,972.47	164.86	165.33	50.22	-2,240.18	-4,383.69	293.54	38.32	255.22	1.150 Level 2		
13,100.00	7,161.11	12,908.64	6,972.72	167.64	168.11	50.15	-2,239.77	-4,483.69	294.00	34.50	259.50	1.133 Level 2		
13,209.97	7,162.00	13,001.33	6,973.00	170.69	170.68	50.08	-2,239.32	-4,593.66	294.51	30.70	263.81	1.116 Level 2		
13,210.89	7,162.01	13,002.24	6,973.00	170.72	170.71	50.08	-2,239.32	-4,594.57	294.52	30.66	263.85	1.116 Level 2, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	0.53	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	299.98	299.99	299.97	3.44	3.44	-150.85	179.95	3.41	181.50	174.62	6.88	26.371		
400.00	399.84	399.79	399.63	3.59	3.60	-149.98	179.88	8.63	186.10	178.91	7.19	25.886		
500.00	499.45	499.22	498.67	3.79	3.80	-148.62	179.77	17.28	193.84	186.25	7.59	25.536		
600.00	598.70	598.09	596.81	4.04	4.05	-146.89	179.62	29.28	204.81	196.73	8.08	25.357		
700.00	697.47	696.24	693.76	4.32	4.33	-144.91	179.44	44.54	219.09	210.45	8.64	25.362		
800.00	795.62	793.49	789.25	4.64	4.64	-142.81	179.21	62.92	236.75	227.48	9.27	25.543		
900.00	893.06	890.72	883.69	5.01	5.06	-140.73	178.94	84.14	257.77	247.74	10.03	25.691		
1,000.00	989.64	987.22	978.15	5.41	5.36	-139.23	178.67	105.92	281.69	270.98	10.71	26.309		
1,100.00	1,085.27	1,083.59	1,072.05	5.85	5.76	-138.31	178.41	127.57	308.23	296.74	11.50	26.810		
1,200.00	1,179.82	1,179.27	1,165.29	6.33	6.17	-137.84	178.14	149.06	337.29	324.97	12.33	27.366		
1,300.00	1,273.17	1,274.14	1,257.74	6.84	6.58	-137.73	177.88	170.38	368.82	355.64	13.19	27.971		
1,404.90	1,369.69	1,372.67	1,353.75	7.43	7.03	-137.89	177.60	192.52	404.55	390.43	14.12	28.653		
1,500.00	1,456.50	1,461.50	1,440.30	8.00	7.44	-138.57	177.35	212.47	438.20	423.22	14.98	29.245		
1,600.00	1,547.79	1,554.90	1,531.32	8.61	7.88	-139.17	177.09	233.46	473.64	457.73	15.91	29.773		
1,700.00	1,639.07	1,648.30	1,622.33	9.23	8.32	-139.70	176.83	254.44	509.11	492.26	16.85	30.216		
1,800.00	1,730.36	1,741.71	1,713.34	9.87	8.77	-140.15	176.57	275.43	544.62	526.81	17.80	30.589		
1,900.00	1,821.64	1,835.11	1,804.36	10.52	9.22	-140.55	176.31	296.41	580.15	561.38	18.77	30.907		
2,000.00	1,912.93	1,928.51	1,895.37	11.18	9.68	-140.90	176.05	317.40	615.70	595.96	19.75	31.178		
2,100.00	2,004.21	2,021.92	1,986.39	11.84	10.14	-141.21	175.79	338.38	651.28	630.54	20.73	31.412		
2,200.00	2,095.50	2,115.32	2,077.40	12.51	10.61	-141.49	175.53	359.37	686.87	665.14	21.73	31.615		
2,300.00	2,186.78	2,208.72	2,168.42	13.19	11.07	-141.75	175.27	380.35	722.47	699.74	22.73	31.791		
2,400.00	2,278.06	2,302.12	2,259.43	13.86	11.54	-141.98	175.01	401.33	758.08	734.35	23.73	31.946		
2,500.00	2,369.35	2,404.47	2,350.45	14.55	12.05	-142.19	174.75	422.32	793.70	768.92	24.78	32.024		
2,600.00	2,460.63	2,488.93	2,441.46	15.23	12.48	-142.38	174.49	443.30	829.33	803.58	25.75	32.203		
2,700.00	2,551.92	2,582.33	2,532.47	15.92	12.95	-142.55	174.23	464.29	864.97	838.20	26.77	32.310		
2,800.00	2,643.20	2,675.73	2,623.49	16.61	13.43	-142.72	173.97	485.27	900.61	872.82	27.79	32.406		
2,900.00	2,734.49	2,769.14	2,714.50	17.30	13.91	-142.87	173.71	506.26	936.27	907.45	28.82	32.491		
3,000.00	2,825.77	2,862.54	2,805.52	18.00	14.38	-143.00	173.45	527.24	971.92	942.08	29.84	32.568		
3,100.00	2,917.06	2,955.94	2,896.53	18.69	14.86	-143.13	173.19	548.23	1,007.58	976.71	30.87	32.638		
3,200.00	3,008.34	3,049.34	2,987.55	19.39	15.34	-143.25	172.93	569.21	1,043.24	1,011.34	31.90	32.701		
3,300.00	3,099.63	3,142.75	3,078.56	20.09	15.82	-143.36	172.67	590.20	1,078.91	1,045.98	32.94	32.758		
3,400.00	3,190.91	3,236.15	3,169.58	20.79	16.30	-143.47	172.41	611.18	1,114.58	1,080.61	33.97	32.810		
3,500.00	3,282.20	3,329.55	3,260.59	21.49	16.78	-143.57	172.15	632.17	1,150.26	1,115.25	35.01	32.857		
3,600.00	3,373.48	3,422.95	3,351.60	22.19	17.26	-143.66	171.89	653.15	1,185.94	1,149.89	36.05	32.901		
3,700.00	3,464.77	3,516.36	3,442.62	22.89	17.74	-143.75	171.63	674.14	1,221.62	1,184.53	37.09	32.941		
3,800.00	3,556.05	3,609.76	3,533.63	23.60	18.23	-143.83	171.37	695.12	1,257.30	1,219.17	38.13	32.978		
3,900.00	3,647.34	3,703.16	3,624.65	24.30	18.71	-143.91	171.11	716.11	1,292.98	1,253.81	39.17	33.011		
4,000.00	3,738.62	3,803.44	3,715.66	25.00	19.23	-143.98	170.85	737.09	1,328.67	1,288.42	40.25	33.013		
4,100.00	3,829.91	3,889.97	3,806.68	25.71	19.68	-144.05	170.59	758.07	1,364.36	1,323.10	41.25	33.072		
4,200.00	3,921.19	3,983.37	3,897.69	26.42	20.16	-144.11	170.33	779.06	1,400.04	1,357.75	42.30	33.098		
4,300.00	4,012.48	4,076.77	3,988.71	27.12	20.65	-144.18	170.07	800.04	1,435.74	1,392.39	43.35	33.123		
4,400.00	4,103.76	4,170.18	4,079.72	27.83	21.13	-144.24	169.81	821.03	1,471.43	1,427.04	44.39	33.147		
4,500.00	4,195.05	4,263.58	4,170.73	28.54	21.62	-144.29	169.55	842.01	1,507.12	1,461.68	45.44	33.168		
4,600.00	4,286.33	4,356.98	4,261.75	29.24	22.10	-144.35	169.29	863.00	1,542.82	1,496.33	46.49	33.188		
4,700.00	4,377.62	4,450.38	4,352.76	29.95	22.59	-144.40	169.03	883.98	1,578.51	1,530.98	47.54	33.207		
4,800.00	4,468.90	4,543.79	4,443.78	30.66	23.08	-144.45	168.77	904.97	1,614.21	1,565.63	48.58	33.225		
4,900.00	4,560.19	4,637.19	4,534.79	31.37	23.56	-144.50	168.51	925.95	1,649.91	1,600.27	49.63	33.241		
5,000.00	4,651.47	4,730.59	4,625.81	32.08	24.05	-144.54	168.25	946.94	1,685.61	1,634.92	50.68	33.257		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	4,823.99	4,716.82	32.79	24.54	-144.58	167.99	967.92	1,721.31	1,669.57	51.74	33.271		
5,200.00	4,834.04	4,917.40	4,807.83	33.50	25.03	-144.63	167.73	988.91	1,757.01	1,704.22	52.79	33.285		
5,300.00	4,925.33	5,010.80	4,898.85	34.21	25.51	-144.67	167.47	1,009.89	1,792.71	1,738.87	53.84	33.298		
5,400.00	5,016.61	5,104.20	4,989.86	34.92	26.00	-144.70	167.21	1,030.88	1,828.41	1,773.52	54.89	33.310		
5,500.00	5,107.90	5,202.40	5,080.88	35.63	26.51	-144.74	166.95	1,051.86	1,864.12	1,808.15	55.97	33.306		
5,600.00	5,199.18	5,308.99	5,171.89	36.34	27.07	-144.78	166.69	1,072.85	1,899.82	1,842.73	57.09	33.277		
5,700.00	5,290.46	5,384.41	5,262.91	37.05	27.46	-144.81	166.43	1,093.83	1,935.52	1,877.47	58.05	33.342		
5,800.00	5,381.75	5,477.81	5,353.92	37.76	27.95	-144.84	166.17	1,114.82	1,971.23	1,912.12	59.10	33.352		
5,900.00	5,473.03	5,571.22	5,444.94	38.47	28.44	-144.88	165.91	1,135.80	2,006.93	1,946.78	60.16	33.361		
6,000.00	5,564.32	5,668.36	5,539.87	39.18	28.94	-144.95	165.65	1,156.38	2,042.57	1,981.33	61.24	33.356		
6,100.00	5,655.60	5,765.93	5,635.86	39.90	29.41	-145.11	165.44	1,173.82	2,078.01	2,015.73	62.28	33.365		
6,200.00	5,746.89	5,863.15	5,732.05	40.61	29.86	-145.36	165.26	1,187.94	2,113.29	2,050.01	63.29	33.392		
6,300.00	5,838.17	5,959.82	5,828.11	41.32	30.28	-145.70	165.13	1,198.74	2,148.45	2,084.20	64.25	33.438		
6,400.00	5,929.46	6,055.72	5,923.71	42.03	30.68	-146.11	165.03	1,206.24	2,183.53	2,118.36	65.17	33.503		
6,500.00	6,020.74	6,150.64	6,018.53	42.74	31.05	-146.59	164.98	1,210.51	2,218.60	2,152.54	66.06	33.587		
6,600.00	6,112.03	6,244.15	6,112.03	43.46	31.41	-147.13	164.97	1,211.67	2,253.71	2,186.81	66.90	33.690		
6,700.00	6,203.31	6,335.43	6,203.31	44.17	31.74	-147.68	164.97	1,211.67	2,288.97	2,221.27	67.70	33.811		
6,800.00	6,294.60	6,426.72	6,294.60	44.88	32.07	-148.20	164.97	1,211.67	2,324.42	2,255.91	68.51	33.930		
6,900.00	6,385.88	6,518.00	6,385.88	45.59	32.40	-148.71	164.97	1,211.67	2,360.04	2,290.72	69.31	34.049		
6,927.91	6,411.36	6,543.48	6,411.36	45.79	32.49	-148.85	164.97	1,211.67	2,370.01	2,300.47	69.54	34.081		
6,950.00	6,431.59	6,563.71	6,431.59	45.95	32.57	-153.84	164.97	1,211.67	2,377.94	2,308.22	69.72	34.108		
7,000.00	6,477.77	6,609.89	6,477.77	46.27	32.74	-166.09	164.97	1,211.67	2,396.05	2,325.93	70.12	34.171		
7,050.00	6,524.26	6,656.38	6,524.26	46.56	32.91	-179.18	164.97	1,211.67	2,414.30	2,343.78	70.51	34.238		
7,100.00	6,570.76	6,702.88	6,570.76	46.81	33.08	167.77	164.97	1,211.67	2,432.55	2,361.64	70.91	34.306		
7,150.00	6,617.00	6,747.33	6,615.20	47.02	33.24	155.64	164.97	1,211.58	2,450.71	2,379.42	71.28	34.380		
7,200.00	6,662.68	6,787.01	6,654.84	47.20	33.38	144.94	165.07	1,209.67	2,468.76	2,397.15	71.61	34.475		
7,250.00	6,707.53	6,826.99	6,694.57	47.34	33.52	135.82	165.29	1,205.26	2,486.64	2,414.69	71.94	34.563		
7,300.00	6,751.28	6,867.36	6,734.32	47.47	33.67	128.18	165.65	1,198.28	2,504.25	2,431.95	72.29	34.641		
7,350.00	6,793.64	6,908.20	6,774.01	47.57	33.82	121.81	166.13	1,188.68	2,521.48	2,448.82	72.66	34.703		
7,400.00	6,834.35	6,949.61	6,813.53	47.66	33.99	116.47	166.76	1,176.38	2,538.24	2,465.19	73.05	34.745		
7,450.00	6,873.18	6,991.68	6,852.78	47.75	34.16	111.97	167.53	1,161.27	2,554.44	2,480.96	73.48	34.763		
7,500.00	6,909.88	7,034.50	6,891.62	47.83	34.35	108.17	168.44	1,143.27	2,569.99	2,496.04	73.95	34.754		
7,550.00	6,944.21	7,078.20	6,929.90	47.91	34.56	104.94	169.51	1,122.26	2,584.80	2,510.33	74.46	34.713		
7,600.00	6,975.98	7,122.86	6,967.45	47.99	34.79	102.20	170.73	1,098.13	2,598.78	2,523.75	75.03	34.637		
7,650.00	7,004.98	7,168.59	7,004.05	48.09	35.05	99.88	172.12	1,070.76	2,611.86	2,536.20	75.65	34.524		
7,700.00	7,031.04	7,215.51	7,039.45	48.20	35.34	97.93	173.68	1,040.02	2,623.96	2,547.61	76.35	34.369		
7,750.00	7,053.99	7,263.71	7,073.36	48.32	35.66	96.30	175.42	1,005.82	2,635.00	2,557.89	77.11	34.171		
7,800.00	7,073.70	7,313.30	7,105.44	48.46	36.03	94.98	177.33	968.08	2,644.93	2,566.98	77.96	33.929		
7,850.00	7,090.03	7,364.35	7,135.29	48.62	36.44	93.93	179.43	926.73	2,653.68	2,574.80	78.88	33.640		
7,900.00	7,102.90	7,416.96	7,162.47	48.81	36.91	93.14	181.72	881.77	2,661.19	2,581.29	79.90	33.307		
7,950.00	7,112.22	7,471.16	7,186.50	49.02	37.44	92.60	184.18	833.26	2,667.41	2,586.41	81.00	32.931		
8,000.00	7,117.94	7,527.00	7,206.84	49.26	38.03	92.30	186.81	781.34	2,672.28	2,590.10	82.19	32.515		
8,047.82	7,120.00	7,581.94	7,222.33	49.51	38.66	92.22	189.49	728.72	2,675.66	2,592.26	83.40	32.084		
8,100.00	7,120.42	7,643.91	7,234.28	49.82	39.41	92.46	192.57	668.02	2,678.55	2,593.76	84.79	31.589		
8,200.00	7,121.24	7,760.59	7,241.04	50.53	40.93	92.58	198.47	551.81	2,683.55	2,595.94	87.61	30.631		
8,300.00	7,122.05	7,860.48	7,241.21	51.39	42.37	92.57	203.53	452.05	2,688.31	2,597.79	90.52	29.699		
8,400.00	7,122.86	7,960.36	7,241.37	52.42	43.95	92.55	208.60	352.30	2,693.08	2,599.40	93.68	28.748		
8,500.00	7,123.68	8,060.24	7,241.54	53.63	45.65	92.53	213.66	252.54	2,697.84	2,600.76	97.08	27.791		
8,600.00	7,124.49	8,160.13	7,241.71	55.01	47.46	92.51	218.72	152.79	2,702.60	2,601.92	100.68	26.842		
8,700.00	7,125.30	8,260.01	7,241.87	56.54	49.38	92.49	223.79	53.03	2,707.36	2,602.88	104.48	25.912		

CC - Min centre 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-14C-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-14C-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)			
8,800.00	7,126.12	8,359.89	7,242.04	58.21	51.38	92.47	228.85	-46.72	2,712.13	2,603.68	108.45	25.008		
8,900.00	7,126.93	8,459.77	7,242.20	60.01	53.46	92.46	233.92	-146.47	2,716.89	2,604.32	112.57	24.136		
9,000.00	7,127.75	8,559.66	7,242.37	61.92	55.61	92.44	238.98	-246.23	2,721.66	2,604.83	116.82	23.298		
9,100.00	7,128.56	8,659.54	7,242.54	63.92	57.83	92.42	244.05	-345.98	2,726.42	2,605.22	121.20	22.496		
9,200.00	7,129.37	8,759.42	7,242.70	66.01	60.10	92.40	249.11	-445.74	2,731.19	2,605.51	125.68	21.731		
9,300.00	7,130.19	8,859.31	7,242.87	68.16	62.42	92.39	254.17	-545.49	2,735.95	2,605.69	130.26	21.004		
9,400.00	7,131.00	8,959.19	7,243.04	70.38	64.78	92.37	259.24	-645.25	2,740.72	2,605.79	134.93	20.312		
9,500.00	7,131.81	9,059.07	7,243.20	72.65	67.19	92.35	264.30	-745.00	2,745.48	2,605.81	139.68	19.656		
9,600.00	7,132.63	9,158.95	7,243.37	74.97	69.62	92.33	269.37	-844.75	2,750.25	2,605.75	144.49	19.034		
9,700.00	7,133.44	9,258.84	7,243.54	77.33	72.09	92.32	274.43	-944.51	2,755.01	2,605.64	149.37	18.444		
9,800.00	7,134.25	9,358.72	7,243.70	79.72	74.59	92.30	279.49	-1,044.26	2,759.78	2,605.47	154.31	17.884		
9,900.00	7,135.07	9,458.60	7,243.87	82.16	77.12	92.28	284.56	-1,144.02	2,764.54	2,605.24	159.30	17.354		
10,000.00	7,135.88	9,558.49	7,244.03	84.62	79.67	92.26	289.62	-1,243.77	2,769.31	2,604.97	164.34	16.851		
10,100.00	7,136.70	9,658.37	7,244.20	87.11	82.24	92.25	294.69	-1,343.53	2,774.08	2,604.65	169.43	16.373		
10,200.00	7,137.51	9,758.25	7,244.37	89.62	84.83	92.23	299.75	-1,443.28	2,778.85	2,604.30	174.55	15.920		
10,300.00	7,138.32	9,858.13	7,244.53	92.16	87.43	92.21	304.82	-1,543.03	2,783.61	2,603.91	179.71	15.490		
10,400.00	7,139.14	9,958.02	7,244.70	94.71	90.05	92.19	309.88	-1,642.79	2,788.38	2,603.48	184.90	15.081		
10,500.00	7,139.95	10,057.90	7,244.87	97.29	92.69	92.18	314.94	-1,742.54	2,793.15	2,603.03	190.12	14.691		
10,600.00	7,140.76	10,157.78	7,245.03	99.88	95.34	92.16	320.01	-1,842.30	2,797.92	2,602.54	195.37	14.321		
10,700.00	7,141.58	10,257.67	7,245.20	102.48	98.00	92.14	325.07	-1,942.05	2,802.68	2,602.04	200.65	13.968		
10,800.00	7,142.39	10,357.55	7,245.36	105.10	100.68	92.13	330.14	-2,041.80	2,807.45	2,601.50	205.95	13.632		
10,900.00	7,143.20	10,457.43	7,245.53	107.74	103.36	92.11	335.20	-2,141.56	2,812.22	2,600.95	211.27	13.311		
11,000.00	7,144.02	10,557.31	7,245.70	110.38	106.06	92.09	340.27	-2,241.31	2,816.99	2,600.38	216.61	13.005		
11,100.00	7,144.83	10,657.20	7,245.86	113.04	108.76	92.08	345.33	-2,341.07	2,821.76	2,599.78	221.98	12.712		
11,200.00	7,145.65	10,757.08	7,246.03	115.71	111.47	92.06	350.39	-2,440.82	2,826.53	2,599.17	227.36	12.432		
11,300.00	7,146.46	10,856.96	7,246.20	118.38	114.19	92.04	355.46	-2,540.58	2,831.30	2,598.55	232.75	12.164		
11,400.00	7,147.27	10,956.85	7,246.36	121.07	116.92	92.03	360.52	-2,640.33	2,836.07	2,597.91	238.16	11.908		
11,500.00	7,148.09	11,056.73	7,246.53	123.76	119.65	92.01	365.59	-2,740.08	2,840.84	2,597.25	243.59	11.662		
11,600.00	7,148.90	11,156.61	7,246.69	126.46	122.39	91.99	370.65	-2,839.84	2,845.61	2,596.58	249.03	11.427		
11,700.00	7,149.71	11,256.49	7,246.86	129.17	125.14	91.98	375.72	-2,939.59	2,850.38	2,595.90	254.48	11.201		
11,800.00	7,150.53	11,356.37	7,247.03	131.89	127.91	91.93	381.36	-3,039.34	2,855.82	2,588.14	260.00	10.976		
11,900.00	7,151.34	11,456.25	7,247.20	134.61	130.63	91.92	377.86	-3,139.09	2,850.02	2,578.88	271.14	10.511		
12,000.00	7,152.16	11,556.13	7,247.37	137.34	133.36	91.91	374.35	-3,238.84	2,846.22	2,569.60	276.62	10.289		
12,100.00	7,152.97	11,656.01	7,248.00	140.07	142.81	91.90	370.85	-3,583.63	2,842.42	2,560.32	282.10	10.076		
12,200.00	7,153.78	12,000.85	7,248.19	142.81	145.56	91.89	367.35	-3,683.50	2,838.62	2,551.03	287.59	9.870		
12,300.00	7,154.60	12,100.77	7,248.37	145.55	148.31	91.88	363.84	-3,783.36	2,834.82	2,541.73	293.09	9.672		
12,400.00	7,155.41	12,200.70	7,248.55	148.30	151.06	91.87	360.34	-3,883.23	2,831.02	2,532.42	298.60	9.481		
12,500.00	7,156.22	12,300.63	7,248.73	151.05	153.81	91.86	356.83	-3,983.09	2,827.22	2,523.11	304.11	9.297		
12,600.00	7,157.04	12,400.55	7,248.91	153.80	156.57	91.85	353.33	-4,082.96	2,823.42	2,513.78	309.63	9.119		
12,700.00	7,157.85	12,500.48	7,249.10	156.56	159.33	91.84	349.82	-4,182.82	2,819.62	2,504.46	315.16	8.947		
12,800.00	7,158.66	12,600.41	7,249.28	159.33	162.10	91.83	346.32	-4,282.69	2,815.82	2,495.12	320.69	8.780		
12,900.00	7,159.48	12,700.33	7,249.46	162.09	164.86	91.82	342.81	-4,382.55	2,812.02	2,485.78	326.23	8.620		
13,000.00	7,160.29	12,800.26	7,249.64	164.86	167.63	91.81	339.31	-4,482.42	2,808.22	2,476.44	331.78	8.464		
13,100.00	7,161.11	12,900.19	7,249.83	167.64	170.41	91.80	335.80	-4,582.28	2,804.42	2,467.09	337.33	8.314		
13,209.97	7,162.00	13,010.07	7,250.03	170.69	173.46	91.79	331.95	-4,692.10	2,800.24	2,456.80	343.44	8.153		
13,210.89	7,162.01	13,010.99	7,250.03	170.72	173.48	91.78	331.92	-4,693.02	2,800.21	2,456.71	343.49	8.152 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	0.49	194.90	1.67	194.91					
100.00	100.00	100.00	100.00	3.28	3.28	0.49	194.90	1.67	194.91	188.34	6.57	29.669		
200.00	200.00	200.00	200.00	3.34	3.34	0.49	194.90	1.67	194.91	188.23	6.67	29.204 CC, ES		
300.00	299.98	298.74	298.72	3.44	3.44	-150.93	195.20	3.34	196.75	189.87	6.88	28.589		
400.00	399.84	397.23	397.07	3.59	3.60	-150.16	196.08	8.35	202.30	195.11	7.19	28.142		
500.00	499.45	495.24	494.72	3.79	3.80	-148.98	197.54	16.64	211.61	204.02	7.59	27.882		
600.00	598.70	592.54	591.31	4.04	4.04	-147.48	199.56	28.11	224.72	216.65	8.07	27.835		
700.00	697.47	688.90	686.54	4.32	4.31	-145.79	202.13	42.65	241.69	233.06	8.63	28.007		
800.00	795.62	786.91	780.05	4.64	4.62	-144.00	205.20	60.10	262.55	253.29	9.26	28.358		
900.00	893.06	880.92	874.87	5.01	4.95	-142.46	208.62	79.46	286.79	276.86	9.93	28.891		
1,000.00	989.64	977.15	969.10	5.41	5.31	-141.47	212.01	98.69	313.78	303.13	10.65	29.459		
1,100.00	1,085.27	1,072.65	1,062.61	5.85	5.69	-140.92	215.37	117.78	343.41	331.99	11.42	30.083		
1,200.00	1,179.82	1,167.31	1,155.30	6.33	6.07	-140.72	218.71	136.70	375.62	363.41	12.21	30.754		
1,300.00	1,273.17	1,261.01	1,247.04	6.84	6.47	-140.76	222.01	155.43	410.39	397.35	13.04	31.469		
1,404.90	1,369.69	1,358.14	1,342.15	7.43	6.89	-141.00	225.43	174.84	449.63	435.69	13.94	32.263		
1,500.00	1,456.50	1,445.62	1,427.81	8.00	7.28	-141.73	228.52	192.33	486.51	471.75	14.76	32.952		
1,600.00	1,547.79	1,537.61	1,517.89	8.61	7.69	-142.38	231.76	210.71	525.36	509.71	15.65	33.575		
1,700.00	1,639.07	1,629.60	1,607.96	9.23	8.11	-142.95	235.00	229.10	564.26	547.72	16.55	34.101		
1,800.00	1,730.36	1,721.59	1,698.04	9.87	8.54	-143.44	238.24	247.49	603.20	585.74	17.46	34.548		
1,900.00	1,821.64	1,813.58	1,788.11	10.52	8.96	-143.88	241.49	265.87	642.18	623.79	18.38	34.930		
2,000.00	1,912.93	1,905.57	1,878.19	11.18	9.40	-144.26	244.73	284.26	681.18	661.86	19.32	35.260		
2,100.00	2,004.21	2,002.44	1,968.26	11.84	9.85	-144.60	247.97	302.65	720.21	699.92	20.28	35.505		
2,200.00	2,095.50	2,089.55	2,058.34	12.51	10.27	-144.91	251.21	321.03	759.25	738.04	21.21	35.795		
2,300.00	2,186.78	2,181.54	2,148.41	13.19	10.71	-145.19	254.45	339.42	798.31	776.15	22.17	36.013		
2,400.00	2,278.06	2,273.53	2,238.49	13.86	11.15	-145.44	257.70	357.81	837.39	814.26	23.13	36.206		
2,500.00	2,369.35	2,365.52	2,328.57	14.55	11.59	-145.67	260.94	376.19	876.48	852.38	24.09	36.376		
2,600.00	2,460.63	2,457.51	2,418.64	15.23	12.04	-145.88	264.18	394.58	915.58	890.51	25.07	36.528		
2,700.00	2,551.92	2,549.50	2,508.72	15.92	12.48	-146.07	267.42	412.96	954.69	928.65	26.04	36.663		
2,800.00	2,643.20	2,641.49	2,598.79	16.61	12.93	-146.25	270.66	431.35	993.80	966.79	27.02	36.785		
2,900.00	2,734.49	2,733.48	2,688.87	17.30	13.38	-146.41	273.91	449.74	1,032.93	1,004.93	28.00	36.894		
3,000.00	2,825.77	2,825.47	2,778.94	18.00	13.83	-146.57	277.15	468.12	1,072.06	1,043.08	28.98	36.993		
3,100.00	2,917.06	2,917.46	2,869.02	18.69	14.28	-146.71	280.39	486.51	1,111.20	1,081.23	29.97	37.083		
3,200.00	3,008.34	3,009.44	2,959.09	19.39	14.74	-146.84	283.63	504.90	1,150.34	1,119.39	30.95	37.164		
3,300.00	3,099.63	3,101.43	3,049.17	20.09	15.19	-146.96	286.87	523.28	1,189.49	1,157.55	31.94	37.238		
3,400.00	3,190.91	3,206.58	3,139.24	20.79	15.71	-147.08	290.12	541.67	1,228.64	1,195.64	33.00	37.233		
3,500.00	3,282.20	3,285.41	3,229.32	21.49	16.10	-147.18	293.36	560.06	1,267.80	1,233.87	33.93	37.368		
3,600.00	3,373.48	3,377.40	3,319.39	22.19	16.55	-147.29	296.60	578.44	1,306.96	1,272.04	34.92	37.426		
3,700.00	3,464.77	3,469.39	3,409.47	22.89	17.01	-147.38	299.84	596.83	1,346.12	1,310.20	35.92	37.478		
3,800.00	3,556.05	3,561.38	3,499.54	23.60	17.46	-147.47	303.08	615.22	1,385.29	1,348.37	36.91	37.527		
3,900.00	3,647.34	3,653.37	3,589.62	24.30	17.92	-147.56	306.33	633.60	1,424.46	1,386.54	37.91	37.572		
4,000.00	3,738.62	3,745.36	3,679.69	25.00	18.38	-147.64	309.57	651.99	1,463.63	1,424.71	38.91	37.614		
4,100.00	3,829.91	3,837.35	3,769.77	25.71	18.83	-147.72	312.81	670.37	1,502.80	1,462.89	39.91	37.652		
4,200.00	3,921.19	3,929.34	3,859.84	26.42	19.29	-147.79	316.05	688.76	1,541.98	1,501.06	40.91	37.688		
4,300.00	4,012.48	4,021.33	3,949.92	27.12	19.75	-147.86	319.29	707.15	1,581.15	1,539.24	41.92	37.722		
4,400.00	4,103.76	4,113.32	4,039.99	27.83	20.21	-147.92	322.54	725.53	1,620.33	1,577.41	42.92	37.753		
4,500.00	4,195.05	4,205.31	4,130.07	28.54	20.67	-147.99	325.78	743.92	1,659.52	1,615.59	43.92	37.783		
4,600.00	4,286.33	4,302.70	4,220.14	29.24	21.15	-148.04	329.02	762.31	1,698.70	1,653.74	44.95	37.787		
4,700.00	4,377.62	4,389.29	4,310.22	29.95	21.58	-148.10	332.26	780.69	1,737.88	1,691.95	45.93	37.836		
4,800.00	4,468.90	4,481.28	4,400.29	30.66	22.04	-148.16	335.50	799.08	1,777.07	1,730.13	46.94	37.860		
4,900.00	4,560.19	4,573.27	4,490.37	31.37	22.50	-148.21	338.75	817.47	1,816.26	1,768.31	47.94	37.883		
5,000.00	4,651.47	4,665.26	4,580.44	32.08	22.96	-148.26	341.99	835.85	1,855.44	1,806.49	48.95	37.904		

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

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14C-S	Survey Calculation Method:	Minimum Curvature
Well Error:	3.28 ft	Output errors are at	2.45 sigma
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Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design 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		
5,100.00	4,742.76	4,757.25	4,670.52	32.79	23.42	-148.31	345.23	854.24	1,894.63	1,844.67	49.96	37.924		
5,200.00	4,834.04	4,849.24	4,760.59	33.50	23.88	-148.35	348.47	872.63	1,933.82	1,882.86	50.97	37.943		
5,300.00	4,925.33	4,941.23	4,850.67	34.21	24.34	-148.40	351.72	891.01	1,973.02	1,921.04	51.97	37.961		
5,400.00	5,016.61	5,033.22	4,940.74	34.92	24.81	-148.44	354.96	909.40	2,012.21	1,959.22	52.98	37.978		
5,500.00	5,107.90	5,125.21	5,030.82	35.63	25.27	-148.48	358.20	927.78	2,051.40	1,997.41	53.99	37.994		
5,600.00	5,199.18	5,217.20	5,120.89	36.34	25.73	-148.52	361.44	946.17	2,090.60	2,035.59	55.00	38.009		
5,700.00	5,290.46	5,309.19	5,210.97	37.05	26.19	-148.56	364.68	964.56	2,129.79	2,073.78	56.01	38.023		
5,800.00	5,381.75	5,401.18	5,301.05	37.76	26.65	-148.59	367.93	982.94	2,168.99	2,111.96	57.02	38.037		
5,900.00	5,473.03	5,506.83	5,391.12	38.47	27.18	-148.63	371.17	1,001.33	2,208.18	2,150.08	58.10	38.005		
6,000.00	5,564.32	5,585.16	5,481.20	39.18	27.57	-148.66	374.41	1,019.72	2,247.38	2,188.33	59.05	38.062		
6,100.00	5,655.60	5,677.15	5,571.27	39.90	28.03	-148.70	377.65	1,038.10	2,286.58	2,226.52	60.06	38.073		
6,200.00	5,746.89	5,769.14	5,661.35	40.61	28.50	-148.73	380.89	1,056.49	2,325.78	2,264.71	61.07	38.084		
6,300.00	5,838.17	5,861.13	5,751.42	41.32	28.96	-148.76	384.14	1,074.88	2,364.98	2,302.89	62.08	38.095		
6,400.00	5,929.46	5,953.12	5,841.50	42.03	29.42	-148.79	387.38	1,093.26	2,404.18	2,341.08	63.09	38.104		
6,500.00	6,020.74	6,045.10	5,931.57	42.74	29.88	-148.82	390.62	1,111.65	2,443.38	2,379.27	64.11	38.114		
6,600.00	6,112.03	6,137.09	6,021.65	43.46	30.35	-148.84	393.86	1,130.04	2,482.58	2,417.46	65.12	38.123		
6,700.00	6,203.31	6,229.08	6,111.72	44.17	30.81	-148.87	397.10	1,148.42	2,521.78	2,455.64	66.13	38.131		
6,800.00	6,294.60	6,321.07	6,201.80	44.88	31.27	-148.90	400.35	1,166.81	2,560.98	2,493.83	67.15	38.139		
6,900.00	6,385.88	6,413.06	6,291.87	45.59	31.73	-148.92	403.59	1,185.19	2,600.18	2,532.02	68.16	38.147		
6,927.91	6,411.36	6,438.74	6,317.01	45.79	31.86	-148.93	404.49	1,190.33	2,611.12	2,542.68	68.44	38.149		
6,950.00	6,431.59	6,459.05	6,336.90	45.95	31.96	-153.90	405.21	1,194.39	2,619.81	2,551.14	68.67	38.152		
7,000.00	6,477.77	6,503.75	6,380.70	46.27	32.19	-166.11	406.79	1,203.18	2,639.63	2,570.48	69.15	38.174		
7,050.00	6,524.26	6,546.15	6,422.61	46.56	32.38	-179.25	408.35	1,209.36	2,659.61	2,590.03	69.57	38.227		
7,100.00	6,570.76	6,588.74	6,465.02	46.81	32.56	167.57	409.98	1,212.75	2,679.65	2,609.69	69.97	38.299		
7,150.00	6,617.00	6,631.59	6,507.83	47.02	32.73	155.23	411.69	1,213.29	2,699.64	2,629.30	70.34	38.382		
7,200.00	6,662.68	6,674.81	6,550.94	47.20	32.89	144.33	413.47	1,210.91	2,719.44	2,648.75	70.69	38.469		
7,250.00	6,707.53	6,718.51	6,594.26	47.34	33.04	135.03	415.32	1,205.54	2,738.96	2,667.91	71.05	38.550		
7,300.00	6,751.28	6,762.79	6,637.67	47.47	33.21	127.22	417.24	1,197.08	2,758.07	2,686.65	71.42	38.619		
7,350.00	6,793.64	6,807.75	6,681.04	47.57	33.38	120.68	419.23	1,185.41	2,776.66	2,704.85	71.81	38.669		
7,400.00	6,834.35	6,853.51	6,724.22	47.66	33.56	115.20	421.27	1,170.43	2,794.62	2,722.40	72.22	38.697		
7,450.00	6,873.18	6,900.18	6,767.02	47.75	33.76	110.57	423.37	1,151.99	2,811.84	2,739.18	72.66	38.696		
7,500.00	6,909.88	6,947.86	6,809.24	47.83	33.98	106.66	425.52	1,129.97	2,828.23	2,755.08	73.15	38.664		
7,550.00	6,944.21	6,996.65	6,850.62	47.91	34.21	103.33	427.72	1,104.22	2,843.68	2,770.00	73.68	38.594		
7,600.00	6,975.98	7,046.66	6,890.85	47.99	34.48	100.51	429.94	1,074.62	2,858.11	2,783.84	74.27	38.484		
7,650.00	7,004.98	7,097.96	6,929.57	48.09	34.78	98.12	432.19	1,041.06	2,871.42	2,796.50	74.92	38.329		
7,700.00	7,031.04	7,150.62	6,966.38	48.20	35.12	96.10	434.45	1,003.49	2,883.52	2,807.88	75.63	38.125		
7,750.00	7,053.99	7,204.69	7,000.80	48.32	35.51	94.43	436.69	961.88	2,894.34	2,817.90	76.43	37.868		
7,800.00	7,073.70	7,260.18	7,032.33	48.46	35.95	93.06	438.90	916.29	2,903.80	2,826.48	77.32	37.557		
7,850.00	7,090.03	7,317.09	7,060.41	48.62	36.45	91.97	441.04	866.87	2,911.83	2,833.54	78.29	37.191		
7,900.00	7,102.90	7,375.34	7,084.48	48.81	37.02	91.15	443.10	813.87	2,918.39	2,839.03	79.36	36.773		
7,950.00	7,112.22	7,434.86	7,103.96	49.02	37.65	90.58	445.04	757.69	2,923.41	2,842.89	80.52	36.306		
8,000.00	7,117.94	7,495.50	7,118.33	49.26	38.34	90.25	446.83	698.82	2,926.86	2,845.10	81.76	35.796		
8,047.82	7,120.00	7,554.39	7,126.86	49.51	39.05	90.14	448.38	640.60	2,928.66	2,845.64	83.02	35.276		
8,100.00	7,120.42	7,619.43	7,130.00	49.82	39.87	90.20	449.84	575.69	2,929.70	2,845.25	84.45	34.691		
8,200.00	7,121.24	7,718.80	7,130.20	50.53	41.25	90.18	451.90	476.33	2,931.49	2,844.32	87.17	33.631		
8,300.00	7,122.05	7,818.79	7,130.39	51.39	42.77	90.17	453.96	376.37	2,933.28	2,843.12	90.16	32.535		
8,400.00	7,122.86	7,918.77	7,130.58	52.42	44.42	90.16	456.03	276.41	2,935.07	2,841.67	93.41	31.423		
8,500.00	7,123.68	8,018.75	7,130.78	53.63	46.19	90.15	458.10	176.45	2,936.86	2,839.98	96.88	30.313		
8,600.00	7,124.49	8,118.73	7,130.97	55.01	48.07	90.13	460.17	76.49	2,938.66	2,838.09	100.57	29.220		
8,700.00	7,125.30	8,218.71	7,131.17	56.54	50.04	90.12	462.24	-23.47	2,940.45	2,836.01	104.44	28.155		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,126.12	8,318.70	7,131.36	58.21	52.09	90.11	464.30	-123.43	2,942.24	2,833.77	108.47	27.125		
8,900.00	7,126.93	8,418.68	7,131.55	60.01	54.22	90.10	466.37	-223.39	2,944.03	2,831.39	112.65	26.135		
9,000.00	7,127.75	8,518.66	7,131.75	61.92	56.41	90.09	468.44	-323.35	2,945.83	2,828.87	116.96	25.187		
9,100.00	7,128.56	8,618.64	7,131.94	63.92	58.66	90.07	470.51	-423.31	2,947.62	2,826.23	121.39	24.283		
9,200.00	7,129.37	8,718.62	7,132.13	66.01	60.97	90.06	472.58	-523.27	2,949.41	2,823.50	125.92	23.423		
9,300.00	7,130.19	8,818.61	7,132.33	68.16	63.31	90.05	474.64	-623.24	2,951.21	2,820.66	130.54	22.607		
9,400.00	7,131.00	8,918.59	7,132.52	70.38	65.70	90.04	476.71	-723.20	2,953.00	2,817.75	135.25	21.833		
9,500.00	7,131.81	9,018.57	7,132.72	72.65	68.13	90.03	478.78	-823.16	2,954.79	2,814.76	140.04	21.100		
9,600.00	7,132.63	9,118.55	7,132.91	74.97	70.59	90.01	480.85	-923.12	2,956.59	2,811.70	144.89	20.406		
9,700.00	7,133.44	9,218.53	7,133.10	77.33	73.08	90.00	482.92	-1,023.08	2,958.38	2,808.57	149.80	19.748		
9,800.00	7,134.25	9,318.52	7,133.30	79.72	75.60	89.99	484.98	-1,123.04	2,960.17	2,805.40	154.77	19.126		
9,900.00	7,135.07	9,418.50	7,133.49	82.16	78.14	89.98	487.05	-1,223.00	2,961.97	2,802.17	159.80	18.536		
10,000.00	7,135.88	9,518.48	7,133.69	84.62	80.70	89.97	489.12	-1,322.96	2,963.76	2,798.90	164.86	17.977		
10,100.00	7,136.70	9,618.46	7,133.88	87.11	83.28	89.95	491.19	-1,422.92	2,965.55	2,795.59	169.97	17.448		
10,200.00	7,137.51	9,718.44	7,134.07	89.62	85.88	89.94	493.26	-1,522.88	2,967.35	2,792.23	175.12	16.945		
10,300.00	7,138.32	9,818.43	7,134.27	92.16	88.50	89.93	495.32	-1,622.84	2,969.14	2,788.85	180.30	16.468		
10,400.00	7,139.14	9,918.41	7,134.46	94.71	91.13	89.92	497.39	-1,722.80	2,970.94	2,785.43	185.51	16.015		
10,500.00	7,139.95	10,018.39	7,134.65	97.29	93.77	89.91	499.46	-1,822.76	2,972.73	2,781.98	190.75	15.584		
10,600.00	7,140.76	10,118.37	7,134.85	99.88	96.43	89.89	501.53	-1,922.72	2,974.53	2,778.51	196.02	15.174		
10,700.00	7,141.58	10,218.35	7,135.04	102.48	99.10	89.88	503.59	-2,022.68	2,976.32	2,775.01	201.32	14.784		
10,800.00	7,142.39	10,318.34	7,135.24	105.10	101.78	89.87	505.66	-2,122.64	2,978.12	2,771.48	206.63	14.413		
10,900.00	7,143.20	10,418.32	7,135.43	107.74	104.47	89.86	507.73	-2,222.60	2,979.91	2,767.94	211.97	14.058		
11,000.00	7,144.02	10,518.30	7,135.62	110.38	107.17	89.85	509.80	-2,322.56	2,981.71	2,764.38	217.33	13.720		
11,100.00	7,144.83	10,618.28	7,135.82	113.04	109.87	89.84	511.87	-2,422.52	2,983.50	2,760.80	222.70	13.397		
11,200.00	7,145.65	10,718.26	7,136.01	115.71	112.59	89.82	513.93	-2,522.48	2,985.30	2,757.20	228.10	13.088		
11,300.00	7,146.46	10,818.25	7,136.21	118.38	115.31	89.81	516.00	-2,622.44	2,987.09	2,753.59	233.51	12.792		
11,400.00	7,147.27	10,918.23	7,136.40	121.07	118.04	89.80	518.07	-2,722.40	2,988.89	2,749.96	238.93	12.509		
11,500.00	7,148.09	11,018.21	7,136.59	123.76	120.78	89.79	520.14	-2,822.36	2,990.69	2,746.32	244.37	12.239		
11,600.00	7,148.90	11,118.19	7,136.79	126.46	123.52	89.78	522.21	-2,922.32	2,992.48	2,742.67	249.82	11.979		
11,700.00	7,149.71	11,218.17	7,136.98	129.17	126.26	89.76	524.27	-3,022.29	2,994.28	2,739.00	255.28	11.729		
11,800.00	7,150.53	11,318.16	7,137.18	131.89	129.02	89.75	526.34	-3,122.25	2,996.07	2,735.32	260.75	11.490		
11,900.00	7,151.34	11,418.14	7,137.37	134.61	131.77	89.74	528.41	-3,222.21	2,997.87	2,731.64	266.24	11.260		
12,000.00	7,152.16	11,518.12	7,137.56	137.34	134.53	89.73	530.48	-3,322.17	2,999.67	2,727.94	271.73	11.039		
12,100.00	7,152.97	11,618.10	7,137.76	140.07	137.30	89.72	532.55	-3,422.13	3,001.46	2,724.23	277.23	10.827		
12,200.00	7,153.78	11,718.08	7,137.95	142.81	140.07	89.71	534.61	-3,522.09	3,003.26	2,720.52	282.74	10.622		
12,300.00	7,154.60	11,818.07	7,138.14	145.55	142.84	89.69	536.68	-3,622.05	3,005.06	2,716.79	288.26	10.425		
12,400.00	7,155.41	11,918.05	7,138.34	148.30	145.62	89.68	538.75	-3,722.01	3,006.86	2,713.06	293.79	10.235		
12,500.00	7,156.22	12,018.03	7,138.53	151.05	148.40	89.67	540.82	-3,821.97	3,008.65	2,709.33	299.33	10.051		
12,600.00	7,157.04	12,118.01	7,138.73	153.80	151.18	89.66	542.89	-3,921.93	3,010.45	2,705.58	304.87	9.875		
12,700.00	7,157.85	12,217.99	7,138.92	156.56	153.97	89.65	544.95	-4,021.89	3,012.25	2,701.83	310.42	9.704		
12,800.00	7,158.66	12,317.98	7,139.11	159.33	156.76	89.64	547.02	-4,121.85	3,014.04	2,698.07	315.97	9.539		
12,900.00	7,159.48	12,417.96	7,139.31	162.09	159.55	89.63	549.09	-4,221.81	3,015.84	2,694.31	321.53	9.380		
13,000.00	7,160.29	12,517.94	7,139.50	164.86	162.35	89.61	551.16	-4,321.77	3,017.64	2,690.54	327.10	9.225		
13,100.00	7,161.11	12,617.92	7,139.70	167.64	165.14	89.60	553.22	-4,421.73	3,019.44	2,686.77	332.67	9.076		
13,209.97	7,162.00	12,727.87	7,139.91	170.69	168.22	89.59	555.50	-4,531.66	3,021.42	2,682.61	338.81	8.918		
13,210.89	7,162.01	12,728.79	7,139.91	170.72	168.25	89.59	555.52	-4,532.57	3,021.43	2,682.57	338.86	8.917 SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4.00	-4.00	3.28	3.28	-46.02	1,636.88	-1,696.29	2,357.28					
100.00	100.00	104.00	96.00	3.28	3.78	-46.02	1,636.88	-1,696.29	2,357.28	2,350.22	7.07	333.523		
200.00	200.00	204.00	196.00	3.34	6.30	-46.02	1,636.88	-1,696.29	2,357.28	2,347.65	9.63	244.665 CC		
300.00	299.98	304.02	295.98	3.44	9.46	162.30	1,636.88	-1,696.29	2,358.95	2,346.05	12.90	182.931 ES		
400.00	399.84	404.16	395.84	3.59	12.79	162.31	1,636.88	-1,696.29	2,363.93	2,347.55	16.38	144.281		
500.00	499.45	504.55	495.45	3.79	16.20	162.32	1,636.88	-1,696.29	2,372.24	2,352.24	20.00	118.629		
600.00	598.70	605.30	594.70	4.04	19.66	162.34	1,636.88	-1,696.29	2,383.86	2,360.16	23.70	100.597		
700.00	697.47	706.53	693.47	4.32	23.15	162.36	1,636.88	-1,696.29	2,398.78	2,371.31	27.47	87.328		
800.00	795.62	808.38	791.62	4.64	26.68	162.39	1,636.88	-1,696.29	2,417.00	2,385.69	31.30	77.211		
900.00	893.06	899.06	889.06	5.01	29.47	162.42	1,636.88	-1,696.29	2,438.49	2,404.05	34.44	70.805		
1,000.00	989.64	985.64	985.64	5.41	32.83	162.44	1,636.88	-1,696.29	2,463.24	2,425.08	38.16	64.558		
1,100.00	1,085.27	1,081.27	1,081.27	5.85	36.15	162.47	1,636.88	-1,696.29	2,491.22	2,449.36	41.86	59.510		
1,200.00	1,179.82	1,175.82	1,175.82	6.33	39.44	162.50	1,636.88	-1,696.29	2,522.42	2,476.86	45.55	55.372		
1,300.00	1,273.17	1,269.17	1,269.17	6.84	42.69	162.52	1,636.88	-1,696.29	2,556.80	2,507.57	49.22	51.944		
1,404.90	1,369.69	1,365.69	1,365.69	7.43	46.05	162.53	1,636.88	-1,696.29	2,596.24	2,543.20	53.04	48.949		
1,500.00	1,456.50	1,452.50	1,452.50	8.00	49.07	162.79	1,636.88	-1,696.29	2,633.59	2,577.10	56.49	46.624		
1,600.00	1,547.79	1,543.79	1,543.79	8.61	52.25	163.04	1,636.88	-1,696.29	2,672.90	2,612.78	60.11	44.465		
1,700.00	1,639.07	1,635.07	1,635.07	9.23	55.43	163.29	1,636.88	-1,696.29	2,712.25	2,648.50	63.75	42.545		
1,800.00	1,730.36	1,726.36	1,726.36	9.87	58.61	163.54	1,636.88	-1,696.29	2,751.65	2,684.26	67.40	40.828		
1,900.00	1,821.64	1,817.64	1,817.64	10.52	61.80	163.77	1,636.88	-1,696.29	2,791.09	2,720.04	71.05	39.283		
2,000.00	1,912.93	1,908.93	1,908.93	11.18	64.98	164.00	1,636.88	-1,696.29	2,830.57	2,755.86	74.71	37.887		
2,100.00	2,004.21	2,000.21	2,000.21	11.84	68.16	164.22	1,636.88	-1,696.29	2,870.09	2,791.72	78.38	36.620		
2,200.00	2,095.50	2,108.50	2,091.50	12.51	71.94	164.44	1,636.88	-1,696.29	2,909.65	2,827.01	82.64	35.209		
2,300.00	2,186.78	2,182.78	2,182.78	13.19	74.53	164.65	1,636.88	-1,696.29	2,949.24	2,863.52	85.72	34.406		
2,400.00	2,278.06	2,274.06	2,274.06	13.86	77.71	164.86	1,636.88	-1,696.29	2,988.86	2,899.46	89.40	33.434		
2,500.00	2,369.35	2,365.35	2,365.35	14.55	80.90	165.06	1,636.88	-1,696.29	3,028.51	2,935.44	93.07	32.539		
2,600.00	2,460.63	2,456.63	2,456.63	15.23	84.08	165.25	1,636.88	-1,696.29	3,068.20	2,971.44	96.76	31.711		
2,700.00	2,551.92	2,547.92	2,547.92	15.92	87.26	165.45	1,636.88	-1,696.29	3,107.91	3,007.47	100.44	30.943		
2,800.00	2,643.20	2,639.20	2,639.20	16.61	90.45	165.63	1,636.88	-1,696.29	3,147.65	3,043.53	104.13	30.229		
2,900.00	2,734.49	2,730.49	2,730.49	17.30	93.63	165.81	1,636.88	-1,696.29	3,187.43	3,079.61	107.81	29.564		
3,000.00	2,825.77	2,821.77	2,821.77	18.00	96.82	165.99	1,636.88	-1,696.29	3,227.22	3,115.72	111.50	28.943		
3,100.00	2,917.06	2,913.06	2,913.06	18.69	100.00	166.16	1,636.88	-1,696.29	3,267.05	3,151.85	115.19	28.362		
3,200.00	3,008.34	3,004.34	3,004.34	19.39	103.19	166.33	1,636.88	-1,696.29	3,306.89	3,188.01	118.88	27.816		
3,300.00	3,099.63	3,104.37	3,095.63	20.09	106.68	166.49	1,636.88	-1,696.29	3,346.76	3,223.88	122.88	27.236		
3,400.00	3,190.91	3,186.91	3,186.91	20.79	109.56	166.66	1,636.88	-1,696.29	3,386.66	3,260.39	126.27	26.821		
3,500.00	3,282.20	3,278.20	3,278.20	21.49	112.74	166.81	1,636.88	-1,696.29	3,426.57	3,296.61	129.96	26.366		
3,600.00	3,373.48	3,369.48	3,369.48	22.19	115.93	166.97	1,636.88	-1,696.29	3,466.51	3,332.86	133.66	25.936		
3,700.00	3,464.77	3,460.77	3,460.77	22.89	119.12	167.12	1,636.88	-1,696.29	3,506.47	3,369.12	137.35	25.529		
3,800.00	3,556.05	3,552.05	3,552.05	23.60	122.30	167.26	1,636.88	-1,696.29	3,546.45	3,405.40	141.05	25.144		
3,900.00	3,647.34	3,643.34	3,643.34	24.30	125.49	167.41	1,636.88	-1,696.29	3,586.44	3,441.70	144.74	24.778		
4,000.00	3,738.62	3,734.62	3,734.62	25.00	128.67	167.55	1,636.88	-1,696.29	3,626.46	3,478.02	148.44	24.431		
4,100.00	3,829.91	3,825.91	3,825.91	25.71	131.86	167.68	1,636.88	-1,696.29	3,666.49	3,514.36	152.14	24.100		
4,200.00	3,921.19	3,917.19	3,917.19	26.42	135.04	167.82	1,636.88	-1,696.29	3,706.54	3,550.71	155.83	23.785		
4,300.00	4,012.48	4,008.48	4,008.48	27.12	138.23	167.95	1,636.88	-1,696.29	3,746.61	3,587.08	159.53	23.485		
4,400.00	4,103.76	4,100.24	4,099.76	27.83	141.43	168.08	1,636.88	-1,696.29	3,786.69	3,623.45	163.25	23.196		
4,500.00	4,195.05	4,208.95	4,191.05	28.54	145.23	168.20	1,636.88	-1,696.29	3,826.79	3,659.24	167.55	22.839		
4,600.00	4,286.33	4,282.33	4,282.33	29.24	147.79	168.33	1,636.88	-1,696.29	3,866.91	3,696.28	170.63	22.663		
4,700.00	4,377.62	4,373.62	4,373.62	29.95	150.97	168.45	1,636.88	-1,696.29	3,907.04	3,732.71	174.33	22.412		
4,800.00	4,468.90	4,464.90	4,464.90	30.66	154.16	168.56	1,636.88	-1,696.29	3,947.18	3,769.16	178.03	22.172		
4,900.00	4,560.19	4,556.19	4,556.19	31.37	157.35	168.68	1,636.88	-1,696.29	3,987.34	3,805.61	181.73	21.941		
5,000.00	4,651.47	4,647.47	4,647.47	32.08	160.53	168.79	1,636.88	-1,696.29	4,027.51	3,842.08	185.43	21.720		

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-14C-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-14C-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 - GILLESPIE #11-1(PA) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,100.00	4,742.76	4,738.76	4,738.76	32.79	163.72	168.91	1,636.88	-1,696.29	4,067.70	3,878.57	189.13	21.508					
5,200.00	4,834.04	4,830.04	4,830.04	33.50	166.90	169.01	1,636.88	-1,696.29	4,107.89	3,915.07	192.83	21.303					
5,300.00	4,925.33	4,921.33	4,921.33	34.21	170.09	169.12	1,636.88	-1,696.29	4,148.10	3,951.57	196.53	21.107					
5,400.00	5,016.61	5,012.61	5,012.61	34.92	173.28	169.23	1,636.88	-1,696.29	4,188.33	3,988.10	200.23	20.918					
5,500.00	5,107.90	5,103.90	5,103.90	35.63	176.46	169.33	1,636.88	-1,696.29	4,228.56	4,024.63	203.93	20.735					
5,600.00	5,199.18	5,204.82	5,195.18	36.34	179.99	169.43	1,636.88	-1,696.29	4,268.80	4,060.83	207.97	20.526					
5,700.00	5,290.46	5,286.46	5,286.46	37.05	182.83	169.53	1,636.88	-1,696.29	4,309.06	4,097.73	211.33	20.390					
5,800.00	5,381.75	5,377.75	5,377.75	37.76	186.02	169.63	1,636.88	-1,696.29	4,349.33	4,134.29	215.03	20.226					
5,900.00	5,473.03	5,469.03	5,469.03	38.47	189.21	169.72	1,636.88	-1,696.29	4,389.60	4,170.87	218.74	20.068					
6,000.00	5,564.32	5,560.32	5,560.32	39.18	192.39	169.82	1,636.88	-1,696.29	4,429.89	4,207.45	222.44	19.915					
6,100.00	5,655.60	5,651.60	5,651.60	39.90	195.58	169.91	1,636.88	-1,696.29	4,470.19	4,244.04	226.14	19.767					
6,200.00	5,746.89	5,742.89	5,742.89	40.61	198.77	170.00	1,636.88	-1,696.29	4,510.49	4,280.65	229.84	19.624					
6,300.00	5,838.17	5,834.17	5,834.17	41.32	201.95	170.09	1,636.88	-1,696.29	4,550.81	4,317.26	233.55	19.486					
6,400.00	5,929.46	5,925.46	5,925.46	42.03	205.14	170.18	1,636.88	-1,696.29	4,591.13	4,353.88	237.25	19.352					
6,500.00	6,020.74	6,016.74	6,016.74	42.74	208.33	170.26	1,636.88	-1,696.29	4,631.47	4,390.52	240.95	19.222					
6,600.00	6,112.03	6,108.03	6,108.03	43.46	211.51	170.35	1,636.88	-1,696.29	4,671.81	4,427.15	244.65	19.096					
6,700.00	6,203.31	6,200.69	6,199.31	44.17	214.75	170.43	1,636.88	-1,696.29	4,712.16	4,463.75	248.41	18.970					
6,800.00	6,294.60	6,309.40	6,290.60	44.88	218.54	170.51	1,636.88	-1,696.29	4,752.52	4,499.80	252.72	18.806					
6,900.00	6,385.88	6,381.88	6,381.88	45.59	221.07	170.59	1,636.88	-1,696.29	4,792.88	4,537.12	255.76	18.739					
6,927.91	6,411.36	6,407.36	6,407.36	45.79	221.96	170.61	1,636.88	-1,696.29	4,804.15	4,547.35	256.80	18.708					
6,950.00	6,431.59	6,427.59	6,427.59	45.95	222.67	165.82	1,636.88	-1,696.29	4,812.86	4,555.25	257.62	18.682					
7,000.00	6,477.77	6,473.77	6,473.77	46.27	224.28	154.16	1,636.88	-1,696.29	4,831.01	4,571.53	259.48	18.618					
7,050.00	6,524.26	6,520.26	6,520.26	46.56	225.90	141.82	1,636.88	-1,696.29	4,846.91	4,585.56	261.35	18.546					
7,100.00	6,570.76	6,566.76	6,566.76	46.81	227.52	129.65	1,636.88	-1,696.29	4,860.47	4,597.27	263.20	18.467					
7,150.00	6,617.00	6,613.00	6,613.00	47.02	229.14	118.53	1,636.88	-1,696.29	4,871.64	4,606.61	265.03	18.382					
7,200.00	6,662.68	6,658.68	6,658.68	47.20	230.73	109.01	1,636.88	-1,696.29	4,880.38	4,613.56	266.82	18.291					
7,250.00	6,707.53	6,703.53	6,703.53	47.34	232.30	101.23	1,636.88	-1,696.29	4,886.66	4,618.10	268.55	18.196					
7,300.00	6,751.28	6,747.28	6,747.28	47.47	233.83	95.07	1,636.88	-1,696.29	4,890.48	4,620.25	270.23	18.097					
7,350.00	6,793.64	6,789.64	6,789.64	47.57	235.30	90.28	1,636.88	-1,696.29	4,891.85	4,620.01	271.84	17.995					
7,400.00	6,834.35	6,830.35	6,830.35	47.66	236.73	86.64	1,636.88	-1,696.29	4,890.82	4,617.45	273.37	17.891					
7,450.00	6,873.18	6,869.18	6,869.18	47.75	238.08	83.94	1,636.88	-1,696.29	4,887.43	4,612.60	274.83	17.783					
7,500.00	6,909.88	6,905.88	6,905.88	47.83	239.36	82.00	1,636.88	-1,696.29	4,881.74	4,605.53	276.21	17.674					
7,550.00	6,944.21	6,940.21	6,940.21	47.91	240.56	80.72	1,636.88	-1,696.29	4,873.83	4,596.32	277.50	17.563					
7,600.00	6,975.98	6,971.98	6,971.98	47.99	241.67	79.98	1,636.88	-1,696.29	4,863.79	4,585.07	278.72	17.450					
7,650.00	7,004.98	7,000.98	7,000.98	48.09	242.68	79.72	1,636.88	-1,696.29	4,851.72	4,571.86	279.86	17.336					
7,700.00	7,031.04	7,027.04	7,027.04	48.20	243.59	79.87	1,636.88	-1,696.29	4,837.73	4,556.82	280.92	17.221					
7,750.00	7,053.99	7,049.99	7,049.99	48.32	244.39	80.41	1,636.88	-1,696.29	4,821.95	4,540.05	281.90	17.105					
7,800.00	7,073.70	7,069.70	7,069.70	48.46	245.08	81.28	1,636.88	-1,696.29	4,804.49	4,521.69	282.81	16.989					
7,850.00	7,090.03	7,086.03	7,086.03	48.62	245.65	82.46	1,636.88	-1,696.29	4,785.50	4,501.85	283.64	16.872					
7,900.00	7,102.90	7,101.10	7,098.90	48.81	246.18	83.93	1,636.88	-1,696.29	4,765.09	4,480.61	284.48	16.750					
7,950.00	7,112.22	7,108.22	7,108.22	49.02	246.42	85.66	1,636.88	-1,696.29	4,743.41	4,458.32	285.09	16.638					
8,000.00	7,117.94	7,113.94	7,113.94	49.26	246.62	87.64	1,636.88	-1,696.29	4,720.60	4,434.90	285.70	16.523					
8,047.82	7,120.00	7,116.00	7,116.00	49.51	246.70	89.74	1,636.88	-1,696.29	4,697.86	4,411.65	286.21	16.414					
8,100.00	7,120.42	7,116.42	7,116.42	49.82	246.71	89.75	1,636.88	-1,696.29	4,672.81	4,386.06	286.75	16.296					
8,200.00	7,121.24	7,117.24	7,117.24	50.53	246.74	89.76	1,636.88	-1,696.29	4,626.07	4,338.15	287.92	16.067					
8,300.00	7,122.05	7,118.05	7,118.05	51.39	246.77	89.77	1,636.88	-1,696.29	4,581.03	4,291.75	289.28	15.836					
8,400.00	7,122.86	7,118.86	7,118.86	52.42	246.80	89.78	1,636.88	-1,696.29	4,537.75	4,246.94	290.82	15.604					
8,500.00	7,123.68	7,119.68	7,119.68	53.63	246.82	89.79	1,636.88	-1,696.29	4,496.28	4,203.76	292.52	15.371					
8,600.00	7,124.49	7,120.49	7,120.49	55.01	246.85	89.80	1,636.88	-1,696.29	4,456.67	4,162.29	294.38	15.139					
8,700.00	7,125.30	7,121.30	7,121.30	56.54	246.88	89.82	1,636.88	-1,696.29	4,418.97	4,122.58	296.39	14.909					

CC - Min centre 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-14C-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-14C-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		
8,800.00	7,126.12	7,122.12	7,122.12	58.21	246.91	89.83	1,636.88	-1,696.29	4,383.22	4,084.69	298.53	14.683		
8,900.00	7,126.93	7,122.93	7,122.93	60.01	246.94	89.84	1,636.88	-1,696.29	4,349.48	4,048.69	300.79	14.460		
9,000.00	7,127.75	7,123.75	7,123.75	61.92	246.97	89.85	1,636.88	-1,696.29	4,317.79	4,014.63	303.16	14.243		
9,100.00	7,128.56	7,124.56	7,124.56	63.92	247.00	89.86	1,636.88	-1,696.29	4,288.20	3,982.57	305.63	14.031		
9,200.00	7,129.37	7,125.37	7,125.37	66.01	247.02	89.87	1,636.88	-1,696.29	4,260.75	3,952.57	308.18	13.825		
9,300.00	7,130.19	7,126.19	7,126.19	68.16	247.05	89.88	1,636.88	-1,696.29	4,235.49	3,924.68	310.81	13.627		
9,400.00	7,131.00	7,127.00	7,127.00	70.38	247.08	89.90	1,636.88	-1,696.29	4,212.45	3,898.94	313.50	13.437		
9,500.00	7,131.81	7,127.81	7,127.81	72.65	247.11	89.91	1,636.88	-1,696.29	4,191.66	3,875.41	316.25	13.254		
9,600.00	7,132.63	7,128.63	7,128.63	74.97	247.14	89.92	1,636.88	-1,696.29	4,173.18	3,854.13	319.04	13.080		
9,700.00	7,133.44	7,129.44	7,129.44	77.33	247.17	89.93	1,636.88	-1,696.29	4,157.01	3,835.15	321.86	12.915		
9,800.00	7,134.25	7,130.25	7,130.25	79.72	247.19	89.94	1,636.88	-1,696.29	4,143.20	3,818.49	324.71	12.760		
9,900.00	7,135.07	7,131.07	7,131.07	82.16	247.22	89.95	1,636.88	-1,696.29	4,131.76	3,804.19	327.57	12.613		
10,000.00	7,135.88	7,131.88	7,131.88	84.62	247.25	89.96	1,636.88	-1,696.29	4,122.71	3,792.28	330.43	12.477		
10,100.00	7,136.70	7,132.70	7,132.70	87.11	247.28	89.97	1,636.88	-1,696.29	4,116.08	3,782.78	333.29	12.350		
10,200.00	7,137.51	7,133.51	7,133.51	89.62	247.31	89.99	1,636.88	-1,696.29	4,111.86	3,775.72	336.14	12.233		
10,300.00	7,138.32	7,134.32	7,134.32	92.16	247.34	90.00	1,636.88	-1,696.29	4,110.08	3,771.11	338.97	12.125		
10,323.34	7,138.51	7,134.51	7,134.51	92.75	247.34	90.00	1,636.88	-1,696.29	4,110.01	3,770.39	339.63	12.102		
10,400.00	7,139.14	7,135.14	7,135.14	94.71	247.36	90.01	1,636.88	-1,696.29	4,110.73	3,768.96	341.77	12.028		
10,500.00	7,139.95	7,135.95	7,135.95	97.29	247.39	90.02	1,636.88	-1,696.29	4,113.81	3,769.27	344.53	11.940		
10,600.00	7,140.76	7,136.76	7,136.76	99.88	247.42	90.03	1,636.88	-1,696.29	4,119.31	3,772.06	347.26	11.862		
10,700.00	7,141.58	7,137.58	7,137.58	102.48	247.45	90.04	1,636.88	-1,696.29	4,127.23	3,777.30	349.93	11.794		
10,800.00	7,142.39	7,138.39	7,138.39	105.10	247.48	90.05	1,636.88	-1,696.29	4,137.56	3,785.00	352.56	11.736		
10,900.00	7,143.20	7,139.20	7,139.20	107.74	247.51	90.07	1,636.88	-1,696.29	4,150.27	3,795.15	355.12	11.687		
11,000.00	7,144.02	7,140.02	7,140.02	110.38	247.53	90.08	1,636.88	-1,696.29	4,165.34	3,807.71	357.62	11.647		
11,100.00	7,144.83	7,140.83	7,140.83	113.04	247.56	90.09	1,636.88	-1,696.29	4,182.75	3,822.69	360.06	11.617		
11,200.00	7,145.65	7,141.65	7,141.65	115.71	247.59	90.10	1,636.88	-1,696.29	4,202.46	3,840.04	362.43	11.595		
11,300.00	7,146.46	7,142.46	7,142.46	118.38	247.62	90.11	1,636.88	-1,696.29	4,224.45	3,859.73	364.72	11.583		
11,400.00	7,147.27	7,143.27	7,143.27	121.07	247.65	90.12	1,636.88	-1,696.29	4,248.68	3,881.75	366.94	11.579 SF		
11,500.00	7,148.09	7,144.09	7,144.09	123.76	247.68	90.13	1,636.88	-1,696.29	4,275.12	3,906.04	369.08	11.583		
11,600.00	7,148.90	7,144.90	7,144.90	126.46	247.71	90.14	1,636.88	-1,696.29	4,303.71	3,932.57	371.14	11.596		
11,700.00	7,149.71	7,145.71	7,145.71	129.17	247.73	90.16	1,636.88	-1,696.29	4,334.43	3,961.31	373.12	11.617		
11,800.00	7,150.53	7,146.53	7,146.53	131.89	247.76	90.17	1,636.88	-1,696.29	4,367.22	3,992.19	375.03	11.645		
11,900.00	7,151.34	7,147.34	7,147.34	134.61	247.79	90.18	1,636.88	-1,696.29	4,402.03	4,025.18	376.85	11.681		
12,000.00	7,152.16	7,148.16	7,148.16	137.34	247.82	90.19	1,636.88	-1,696.29	4,438.83	4,060.23	378.60	11.724		
12,100.00	7,152.97	7,148.97	7,148.97	140.07	247.85	90.20	1,636.88	-1,696.29	4,477.56	4,097.30	380.26	11.775		
12,200.00	7,153.78	7,149.78	7,149.78	142.81	247.88	90.21	1,636.88	-1,696.29	4,518.17	4,136.32	381.85	11.832		
12,300.00	7,154.60	7,150.60	7,150.60	145.55	247.90	90.22	1,636.88	-1,696.29	4,560.61	4,177.24	383.36	11.896		
12,400.00	7,155.41	7,151.41	7,151.41	148.30	247.93	90.24	1,636.88	-1,696.29	4,604.83	4,220.03	384.80	11.967		
12,500.00	7,156.22	7,152.22	7,152.22	151.05	247.96	90.25	1,636.88	-1,696.29	4,650.78	4,264.61	386.17	12.043		
12,600.00	7,157.04	7,153.04	7,153.04	153.80	247.99	90.26	1,636.88	-1,696.29	4,698.41	4,310.95	387.46	12.126		
12,700.00	7,157.85	7,153.85	7,153.85	156.56	248.02	90.27	1,636.88	-1,696.29	4,747.67	4,358.98	388.68	12.215		
12,800.00	7,158.66	7,154.66	7,154.66	159.33	248.05	90.28	1,636.88	-1,696.29	4,798.50	4,408.66	389.84	12.309		
12,900.00	7,159.48	7,155.48	7,155.48	162.09	248.07	90.29	1,636.88	-1,696.29	4,850.87	4,459.93	390.94	12.408		
13,000.00	7,160.29	7,156.29	7,156.29	164.86	248.10	90.30	1,636.88	-1,696.29	4,904.72	4,512.75	391.97	12.513		
13,100.00	7,161.11	7,157.11	7,157.11	167.64	248.13	90.31	1,636.88	-1,696.29	4,959.99	4,567.05	392.94	12.623		
13,209.97	7,162.00	7,158.00	7,158.00	170.69	248.16	90.33	1,636.88	-1,696.29	5,022.38	4,628.44	393.94	12.749		
13,210.89	7,162.01	7,158.01	7,158.01	170.72	248.16	90.33	1,636.88	-1,696.29	5,022.90	4,628.96	393.95	12.750		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-105.56	-1,988.80	-7,141.89	7,413.64					
100.00	100.00	86.41	86.41	3.28	3.29	-105.56	-1,989.02	-7,141.85	7,413.65	7,407.08	6.57	1,128.377		
200.00	200.00	176.05	176.05	3.34	3.31	-105.57	-1,989.70	-7,141.74	7,413.74	7,407.10	6.65	1,115.154		
300.00	299.98	260.76	260.76	3.44	3.38	102.74	-1,990.55	-7,141.79	7,414.45	7,407.63	6.82	1,086.833		
400.00	399.84	358.69	358.68	3.59	3.51	102.74	-1,991.66	-7,141.87	7,415.99	7,408.88	7.10	1,044.248		
500.00	499.45	449.29	449.27	3.79	3.67	102.75	-1,992.30	-7,142.17	7,418.43	7,410.97	7.46	994.379		
600.00	598.70	552.68	552.66	4.04	3.89	102.78	-1,992.72	-7,142.60	7,421.64	7,413.72	7.93	936.258		
700.00	697.47	637.67	637.65	4.32	4.11	102.80	-1,993.33	-7,142.89	7,425.68	7,417.26	8.42	881.440		
800.00	795.62	708.62	708.60	4.64	4.30	102.80	-1,993.76	-7,143.41	7,430.87	7,421.92	8.94	830.938		
900.00	893.06	792.08	792.05	5.01	4.54	102.82	-1,994.11	-7,144.29	7,437.14	7,427.59	9.55	778.983		
1,000.00	989.64	883.66	883.62	5.41	4.83	102.85	-1,994.67	-7,145.34	7,444.37	7,434.14	10.23	727.651		
1,100.00	1,085.27	971.32	971.27	5.85	5.11	102.88	-1,995.23	-7,146.41	7,452.56	7,441.61	10.95	680.356		
1,200.00	1,179.82	1,014.34	1,014.29	6.33	5.26	102.80	-1,995.19	-7,147.19	7,462.03	7,450.46	11.57	644.969		
1,300.00	1,273.17	1,061.00	1,060.93	6.84	5.42	102.72	-1,994.70	-7,148.50	7,473.05	7,460.81	12.24	610.658		
1,404.90	1,369.69	1,098.21	1,098.11	7.43	5.54	102.57	-1,993.98	-7,149.89	7,486.31	7,473.37	12.94	578.512		
1,500.00	1,456.50	1,153.00	1,152.81	8.00	5.73	102.76	-1,992.48	-7,152.49	7,499.56	7,485.88	13.68	548.222		
1,600.00	1,547.79	1,153.00	1,152.81	8.61	5.73	102.76	-1,992.48	-7,152.49	7,514.28	7,500.01	14.27	526.546		
1,700.00	1,639.07	1,211.15	1,210.81	9.23	5.94	102.96	-1,990.18	-7,156.02	7,529.78	7,514.70	15.08	499.257		
1,800.00	1,730.36	1,248.00	1,247.51	9.87	6.07	103.09	-1,988.31	-7,158.66	7,546.19	7,530.37	15.83	476.785		
1,900.00	1,821.64	1,248.00	1,247.51	10.52	6.07	103.09	-1,988.31	-7,158.66	7,563.68	7,547.24	16.44	459.986		
2,000.00	1,912.93	1,304.13	1,303.34	11.18	6.28	103.29	-1,985.00	-7,163.42	7,581.80	7,564.52	17.28	438.877		
2,100.00	2,004.21	1,343.00	1,341.94	11.84	6.42	103.43	-1,982.48	-7,167.30	7,601.07	7,583.02	18.05	421.165		
2,200.00	2,095.50	1,367.48	1,366.21	12.51	6.51	103.52	-1,980.78	-7,169.94	7,621.21	7,602.44	18.77	406.072		
2,300.00	2,186.78	1,409.42	1,407.76	13.19	6.68	103.68	-1,977.64	-7,174.70	7,642.17	7,622.61	19.56	390.717		
2,400.00	2,278.06	1,458.46	1,456.28	13.86	6.87	103.86	-1,973.60	-7,180.62	7,663.91	7,643.52	20.38	375.982		
2,500.00	2,369.35	1,523.88	1,520.94	14.55	7.14	104.11	-1,967.93	-7,188.77	7,686.22	7,664.94	21.28	361.172		
2,600.00	2,460.63	1,604.60	1,600.69	15.23	7.48	104.42	-1,960.76	-7,198.99	7,708.98	7,686.72	22.25	346.438		
2,700.00	2,551.92	1,676.06	1,671.29	15.92	7.80	104.69	-1,954.56	-7,208.06	7,732.10	7,708.91	23.19	333.444		
2,800.00	2,643.20	1,786.39	1,780.40	16.61	8.29	105.09	-1,945.94	-7,222.02	7,755.63	7,731.32	24.31	319.075		
2,900.00	2,734.49	1,870.87	1,864.02	17.30	8.67	105.40	-1,939.68	-7,232.30	7,779.04	7,753.73	25.31	307.320		
3,000.00	2,825.77	1,969.05	1,961.26	18.00	9.12	105.75	-1,933.36	-7,244.29	7,802.90	7,776.51	26.39	295.728		
3,100.00	2,917.06	2,068.55	2,059.88	18.69	9.58	106.10	-1,927.28	-7,255.99	7,826.64	7,799.18	27.47	284.932		
3,200.00	3,008.34	2,140.82	2,131.46	19.39	9.92	106.35	-1,922.33	-7,264.62	7,850.74	7,822.31	28.43	276.181		
3,300.00	3,099.63	2,219.68	2,209.50	20.09	10.29	106.64	-1,916.36	-7,274.27	7,875.27	7,845.85	29.42	267.707		
3,400.00	3,190.91	2,345.72	2,334.28	20.79	10.90	107.08	-1,906.85	-7,289.30	7,899.80	7,869.16	30.64	257.803		
3,500.00	3,282.20	2,480.08	2,467.32	21.49	11.54	107.56	-1,896.07	-7,304.71	7,924.20	7,892.28	31.91	248.299		
3,600.00	3,373.48	2,565.09	2,551.52	22.19	11.96	107.86	-1,889.15	-7,314.18	7,948.55	7,915.61	32.94	241.279		
3,700.00	3,464.77	2,647.44	2,633.06	22.89	12.36	108.15	-1,882.33	-7,323.39	7,973.19	7,939.23	33.96	234.783		
3,800.00	3,556.05	2,713.91	2,698.91	23.60	12.68	108.38	-1,877.17	-7,330.85	7,998.19	7,963.29	34.90	229.206		
3,900.00	3,647.34	2,767.00	2,751.49	24.30	12.95	108.57	-1,873.12	-7,336.97	8,023.71	7,987.95	35.76	224.374		
4,000.00	3,738.62	2,830.48	2,814.33	25.00	13.26	108.79	-1,868.22	-7,344.50	8,049.77	8,013.09	36.68	219.474		
4,100.00	3,829.91	2,894.94	2,878.11	25.71	13.58	109.01	-1,863.10	-7,352.38	8,076.37	8,038.77	37.60	214.806		
4,200.00	3,921.19	2,982.64	2,964.83	26.42	14.02	109.32	-1,855.96	-7,363.25	8,103.36	8,064.72	38.64	209.718		
4,300.00	4,012.48	3,105.16	3,086.12	27.12	14.64	109.73	-1,846.70	-7,377.91	8,130.23	8,090.37	39.86	203.963		
4,400.00	4,103.76	3,172.06	3,152.35	27.83	14.98	109.96	-1,841.56	-7,385.83	8,157.28	8,116.49	40.79	199.978		
4,500.00	4,195.05	3,219.03	3,198.82	28.54	15.21	110.12	-1,837.91	-7,391.60	8,184.93	8,143.32	41.61	196.691		
4,600.00	4,286.33	3,376.19	3,354.46	29.24	16.00	110.64	-1,827.21	-7,410.58	8,212.72	8,169.70	43.01	190.928		
4,700.00	4,377.62	3,600.22	3,576.82	29.95	17.11	111.35	-1,813.74	-7,434.25	8,239.21	8,194.46	44.76	184.088		
4,800.00	4,468.90	3,691.04	3,666.93	30.66	17.55	111.65	-1,806.99	-7,443.29	8,265.56	8,219.76	45.81	180.438		
4,900.00	4,560.19	3,784.22	3,759.37	31.37	18.01	111.96	-1,799.67	-7,452.48	8,292.05	8,245.18	46.87	176.909		
5,000.00	4,651.47	5,000.00	3,873.69	32.08	24.04	112.33	-1,790.30	-7,463.49	8,318.47	8,265.32	53.15	156.497		

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-14C-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-14C-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			
5,100.00	4,742.76	3,961.98	3,935.68	32.79	18.89	112.54	-1,784.72	-7,469.41	8,345.11	8,296.15	48.95	170.470			
5,200.00	4,834.04	4,002.00	3,975.35	33.50	19.09	112.67	-1,781.13	-7,473.41	8,372.41	8,322.68	49.73	168.353			
5,300.00	4,925.33	4,054.67	4,027.50	34.21	19.36	112.84	-1,776.34	-7,478.92	8,400.34	8,349.76	50.57	166.098			
5,400.00	5,016.61	4,115.67	4,087.87	34.92	19.67	113.05	-1,770.59	-7,485.59	8,428.87	8,377.41	51.46	163.793			
5,500.00	5,107.90	4,243.62	4,214.50	35.63	20.32	113.47	-1,758.31	-7,499.22	8,457.39	8,404.68	52.71	160.441			
5,600.00	5,199.18	4,350.05	4,320.00	36.34	20.86	113.81	-1,749.64	-7,510.27	8,485.94	8,432.10	53.84	157.607			
5,700.00	5,290.46	5,700.00	4,493.58	37.05	27.43	114.34	-1,737.93	-7,527.53	8,514.39	8,453.74	60.65	140.392			
5,800.00	5,381.75	5,222.09	5,189.04	37.76	24.82	116.23	-1,721.71	-7,569.00	8,541.06	8,481.71	59.36	143.896			
5,900.00	5,473.03	5,319.95	5,286.88	38.47	25.22	116.48	-1,720.98	-7,571.02	8,562.72	8,502.31	60.41	141.754			
6,000.00	5,564.32	5,413.68	5,380.58	39.18	25.61	116.72	-1,720.52	-7,572.93	8,584.50	8,523.07	61.44	139.733			
6,100.00	5,655.60	5,542.68	5,509.57	39.90	26.13	117.04	-1,720.34	-7,575.21	8,606.17	8,543.55	62.63	137.422			
6,200.00	5,746.89	5,622.33	5,589.20	40.61	26.45	117.24	-1,720.59	-7,576.52	8,627.89	8,564.31	63.59	135.689			
6,300.00	5,838.17	5,699.44	5,666.30	41.32	26.76	117.43	-1,720.61	-7,577.90	8,649.89	8,585.35	64.53	134.035			
6,400.00	5,929.46	5,800.38	5,767.23	42.03	27.18	117.67	-1,720.40	-7,579.75	8,672.07	8,606.47	65.60	132.205			
6,500.00	6,020.74	5,893.90	5,860.73	42.74	27.56	117.90	-1,720.26	-7,581.37	8,694.30	8,627.68	66.62	130.503			
6,600.00	6,112.03	5,972.74	5,939.56	43.46	27.88	118.10	-1,720.11	-7,582.77	8,716.72	8,649.15	67.58	128.990			
6,700.00	6,203.31	6,075.71	6,042.52	44.17	28.30	118.34	-1,720.28	-7,584.67	8,739.34	8,670.69	68.65	127.312			
6,800.00	6,294.60	6,239.47	6,206.26	44.88	28.96	118.73	-1,721.02	-7,586.53	8,761.28	8,691.28	69.99	125.173			
6,900.00	6,385.88	6,328.44	6,295.23	45.59	29.32	118.94	-1,721.52	-7,587.43	8,783.38	8,712.39	70.99	123.726			
6,927.91	6,411.36	6,363.51	6,330.29	45.79	29.46	119.03	-1,721.74	-7,587.75	8,789.55	8,718.23	71.32	123.248			
6,950.00	6,431.59	6,550.13	6,516.24	45.95	30.14	115.24	-1,734.23	-7,588.22	8,793.90	8,721.64	72.26	121.702			
7,000.00	6,477.77	6,581.13	6,546.66	46.27	30.24	104.91	-1,740.17	-7,588.24	8,800.45	8,727.79	72.66	121.113			
7,050.00	6,524.26	6,600.00	6,565.05	46.56	30.30	93.64	-1,744.41	-7,588.33	8,803.25	8,730.25	72.99	120.601			
7,100.00	6,570.76	6,623.04	6,587.34	46.81	30.37	82.33	-1,750.19	-7,588.56	8,802.29	8,728.97	73.31	120.067			
7,150.00	6,617.00	7,171.00	7,024.76	47.02	31.44	70.99	-2,064.86	-7,589.45	8,794.90	8,719.13	75.77	116.066			
7,200.00	6,662.68	7,644.00	7,209.75	47.20	34.29	59.68	-2,492.19	-7,580.28	8,783.15	8,703.79	79.36	110.681			
7,250.00	6,707.53	7,644.00	7,209.75	47.34	34.29	52.10	-2,492.19	-7,580.28	8,766.67	8,687.16	79.50	110.266			
7,300.00	6,751.28	7,644.00	7,209.75	47.47	34.29	45.95	-2,492.19	-7,580.28	8,746.78	8,667.16	79.62	109.859			
7,350.00	6,793.64	7,644.00	7,209.75	47.57	34.29	40.99	-2,492.19	-7,580.28	8,723.58	8,643.88	79.70	109.456			
7,400.00	6,834.35	7,644.00	7,209.75	47.66	34.29	36.99	-2,492.19	-7,580.28	8,697.19	8,617.44	79.75	109.051			
7,450.00	6,873.18	7,644.00	7,209.75	47.75	34.29	33.75	-2,492.19	-7,580.28	8,667.74	8,587.96	79.78	108.642			
7,500.00	6,909.88	7,644.00	7,209.75	47.83	34.29	31.12	-2,492.19	-7,580.28	8,635.39	8,555.59	79.79	108.224			
7,550.00	6,944.21	7,644.00	7,209.75	47.91	34.29	28.96	-2,492.19	-7,580.28	8,600.29	8,520.51	79.79	107.793			
7,600.00	6,975.98	7,644.00	7,209.75	47.99	34.29	27.19	-2,492.19	-7,580.28	8,562.65	8,482.88	79.77	107.346			
7,650.00	7,004.98	7,644.00	7,209.75	48.09	34.29	25.72	-2,492.19	-7,580.28	8,522.65	8,442.91	79.74	106.882			
7,700.00	7,031.04	7,644.00	7,209.75	48.20	34.29	24.51	-2,492.19	-7,580.28	8,480.51	8,400.80	79.71	106.398			
7,750.00	7,053.99	7,644.00	7,209.75	48.32	34.29	23.51	-2,492.19	-7,580.28	8,436.46	8,356.79	79.67	105.893			
7,800.00	7,073.70	7,671.45	7,211.51	48.46	34.54	22.22	-2,519.59	-7,579.91	8,390.55	8,310.65	79.90	105.013			
7,850.00	7,090.03	7,673.00	7,211.60	48.62	34.56	21.37	-2,521.13	-7,579.90	8,343.40	8,263.52	79.88	104.446			
7,900.00	7,102.90	7,674.19	7,211.66	48.81	34.57	20.51	-2,522.32	-7,579.89	8,295.12	8,215.25	79.87	103.862			
7,950.00	7,112.22	7,675.02	7,211.70	49.02	34.58	19.36	-2,523.15	-7,579.89	8,245.98	8,166.13	79.85	103.264			
8,000.00	7,117.94	7,675.47	7,211.72	49.26	34.58	16.46	-2,523.60	-7,579.89	8,196.28	8,116.44	79.84	102.653			
8,047.82	7,120.00	7,675.55	7,211.73	49.51	34.58	-117.98	-2,523.68	-7,579.89	8,148.49	8,068.65	79.84	102.057			
8,100.00	7,120.42	7,675.45	7,211.72	49.82	34.58	-118.01	-2,523.58	-7,579.89	8,096.32	8,016.47	79.84	101.402			
8,200.00	7,121.24	7,675.24	7,211.71	50.53	34.58	-118.08	-2,523.37	-7,579.89	7,996.32	7,916.48	79.85	100.148			
8,300.00	7,122.05	7,675.04	7,211.70	51.39	34.58	-118.15	-2,523.17	-7,579.89	7,896.33	7,816.48	79.85	98.892			
8,400.00	7,122.86	7,674.83	7,211.69	52.42	34.58	-118.22	-2,522.96	-7,579.89	7,796.33	7,716.48	79.85	97.635			
8,500.00	7,123.68	7,674.61	7,211.68	53.63	34.57	-118.29	-2,522.74	-7,579.89	7,696.34	7,616.48	79.86	96.378			
8,600.00	7,124.49	7,674.39	7,211.67	55.01	34.57	-118.36	-2,522.52	-7,579.89	7,596.34	7,516.48	79.86	95.119			
8,700.00	7,125.30	7,674.17	7,211.66	56.54	34.57	-118.43	-2,522.30	-7,579.89	7,496.35	7,416.48	79.87	93.860			

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-14C-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-14C-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					
8,800.00	7,126.12	7,673.94	7,211.64	58.21	34.57	-118.51	-2,522.07	-7,579.90	7,396.35	7,316.48	79.87	92.600					
8,900.00	7,126.93	7,673.71	7,211.63	60.01	34.57	-118.59	-2,521.84	-7,579.90	7,296.36	7,216.47	79.88	91.339					
9,000.00	7,127.75	7,673.47	7,211.62	61.92	34.56	-118.67	-2,521.61	-7,579.90	7,196.36	7,116.47	79.89	90.077					
9,100.00	7,128.56	7,673.23	7,211.61	63.92	34.56	-118.75	-2,521.36	-7,579.90	7,096.37	7,016.47	79.90	88.815					
9,200.00	7,129.37	7,672.98	7,211.60	66.01	34.56	-118.83	-2,521.12	-7,579.90	6,996.37	6,916.46	79.91	87.552					
9,300.00	7,130.19	7,672.73	7,211.58	68.16	34.56	-118.92	-2,520.86	-7,579.90	6,896.38	6,816.45	79.92	86.288					
9,400.00	7,131.00	7,672.47	7,211.57	70.38	34.55	-119.01	-2,520.61	-7,579.91	6,796.38	6,716.45	79.93	85.024					
9,500.00	7,131.81	7,672.21	7,211.55	72.65	34.55	-119.10	-2,520.34	-7,579.91	6,696.39	6,616.44	79.95	83.759					
9,600.00	7,132.63	7,671.94	7,211.54	74.97	34.55	-119.19	-2,520.07	-7,579.91	6,596.39	6,516.43	79.96	82.494					
9,700.00	7,133.44	7,671.67	7,211.53	77.33	34.55	-119.29	-2,519.80	-7,579.91	6,496.40	6,416.42	79.98	81.228					
9,800.00	7,134.25	7,671.38	7,211.51	79.72	34.54	-119.39	-2,519.52	-7,579.91	6,396.41	6,316.41	79.99	79.962					
9,900.00	7,135.07	7,671.10	7,211.50	82.16	34.54	-119.49	-2,519.23	-7,579.92	6,296.41	6,216.40	80.01	78.695					
10,000.00	7,135.88	7,670.80	7,211.48	84.62	34.54	-119.60	-2,518.93	-7,579.92	6,196.42	6,116.39	80.03	77.428					
10,100.00	7,136.70	7,670.50	7,211.46	87.11	34.54	-119.70	-2,518.63	-7,579.92	6,096.43	6,016.38	80.05	76.161					
10,200.00	7,137.51	7,670.19	7,211.45	89.62	34.53	-119.82	-2,518.32	-7,579.92	5,996.43	5,916.37	80.07	74.894					
10,300.00	7,138.32	7,669.87	7,211.43	92.16	34.53	-119.93	-2,518.01	-7,579.93	5,896.44	5,816.35	80.09	73.626					
10,400.00	7,139.14	7,669.55	7,211.41	94.71	34.53	-120.05	-2,517.68	-7,579.93	5,796.45	5,716.34	80.11	72.358					
10,500.00	7,139.95	7,669.22	7,211.39	97.29	34.52	-120.18	-2,517.35	-7,579.93	5,696.46	5,616.33	80.13	71.090					
10,600.00	7,140.76	7,668.88	7,211.37	99.88	34.52	-120.30	-2,517.01	-7,579.94	5,596.46	5,516.31	80.15	69.822					
10,700.00	7,141.58	7,668.53	7,211.35	102.48	34.52	-120.43	-2,516.67	-7,579.94	5,496.47	5,416.29	80.18	68.554					
10,800.00	7,142.39	7,668.17	7,211.33	105.10	34.51	-120.57	-2,516.31	-7,579.94	5,396.48	5,316.28	80.20	67.285					
10,900.00	7,143.20	7,667.80	7,211.31	107.74	34.51	-120.71	-2,515.94	-7,579.94	5,296.49	5,216.26	80.23	66.017					
11,000.00	7,144.02	7,667.43	7,211.29	110.38	34.51	-120.86	-2,515.57	-7,579.95	5,196.50	5,116.24	80.26	64.749					
11,100.00	7,144.83	7,667.04	7,211.27	113.04	34.50	-121.01	-2,515.18	-7,579.95	5,096.50	5,016.22	80.28	63.481					
11,200.00	7,145.65	7,666.64	7,211.25	115.71	34.50	-121.17	-2,514.78	-7,579.96	4,996.51	4,916.20	80.31	62.213					
11,300.00	7,146.46	7,666.23	7,211.23	118.38	34.50	-121.33	-2,514.38	-7,579.96	4,896.52	4,816.18	80.34	60.945					
11,400.00	7,147.27	7,665.81	7,211.20	121.07	34.49	-121.50	-2,513.96	-7,579.96	4,796.53	4,716.16	80.37	59.677					
11,500.00	7,148.09	7,665.38	7,211.18	123.76	34.49	-121.67	-2,513.53	-7,579.97	4,696.54	4,616.13	80.41	58.410					
11,600.00	7,148.90	7,664.94	7,211.15	126.46	34.48	-121.85	-2,513.08	-7,579.97	4,596.55	4,516.11	80.44	57.142					
11,700.00	7,149.71	7,644.00	7,209.75	129.17	34.29	-133.54	-2,492.19	-7,580.28	4,496.69	4,416.50	80.19	56.072					
11,800.00	7,150.53	7,644.00	7,209.75	131.89	34.29	-133.54	-2,492.19	-7,580.28	4,396.70	4,316.47	80.23	54.800					
11,900.00	7,151.34	7,644.00	7,209.75	134.61	34.29	-133.54	-2,492.19	-7,580.28	4,296.70	4,216.43	80.27	53.528					
12,000.00	7,152.16	7,644.00	7,209.75	137.34	34.29	-133.54	-2,492.19	-7,580.28	4,196.71	4,116.40	80.31	52.256					
12,100.00	7,152.97	7,644.00	7,209.75	140.07	34.29	-133.54	-2,492.19	-7,580.28	4,096.72	4,016.37	80.35	50.985					
12,200.00	7,153.78	7,644.00	7,209.75	142.81	34.29	-133.54	-2,492.19	-7,580.28	3,996.72	3,916.33	80.39	49.714					
12,300.00	7,154.60	7,644.00	7,209.75	145.55	34.29	-133.54	-2,492.19	-7,580.28	3,896.73	3,816.29	80.44	48.444					
12,400.00	7,155.41	7,644.00	7,209.75	148.30	34.29	-133.54	-2,492.19	-7,580.28	3,796.74	3,716.26	80.48	47.174					
12,500.00	7,156.22	7,644.00	7,209.75	151.05	34.29	-133.54	-2,492.19	-7,580.28	3,696.75	3,616.22	80.53	45.905					
12,600.00	7,157.04	7,644.00	7,209.75	153.80	34.29	-133.54	-2,492.19	-7,580.28	3,596.76	3,516.18	80.58	44.636					
12,700.00	7,157.85	7,644.00	7,209.75	156.56	34.29	-133.54	-2,492.19	-7,580.28	3,496.77	3,416.14	80.63	43.368					
12,800.00	7,158.66	7,644.00	7,209.75	159.33	34.29	-133.54	-2,492.19	-7,580.28	3,396.78	3,316.10	80.68	42.101					
12,900.00	7,159.48	7,644.00	7,209.75	162.09	34.29	-133.54	-2,492.19	-7,580.28	3,296.79	3,216.05	80.74	40.834					
13,000.00	7,160.29	7,644.00	7,209.75	164.86	34.29	-133.54	-2,492.19	-7,580.28	3,196.80	3,116.01	80.79	39.569					
13,100.00	7,161.11	7,644.00	7,209.75	167.64	34.29	-133.54	-2,492.19	-7,580.28	3,096.81	3,015.96	80.85	38.304					
13,209.97	7,162.00	7,644.00	7,209.75	170.69	34.29	-133.54	-2,492.19	-7,580.28	2,986.85	2,905.94	80.91	36.914					
13,210.89	7,162.01	7,644.00	7,209.75	170.72	34.29	-133.54	-2,492.19	-7,580.28	2,985.94	2,905.02	80.92	36.902	CC, ES, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-105.61	-1,987.36	-7,110.74	7,383.24					
100.00	100.00	113.54	113.54	3.28	3.29	-105.62	-1,987.55	-7,110.50	7,383.09	7,376.52	6.57	1,123.039		
200.00	200.00	204.64	204.64	3.34	3.33	-105.62	-1,988.03	-7,110.05	7,382.77	7,376.11	6.67	1,107.274		
218.84	218.84	219.51	219.51	3.35	3.34	102.70	-1,988.15	-7,109.99	7,382.76	7,376.06	6.69	1,102.730		
300.00	299.98	263.21	263.21	3.44	3.38	102.69	-1,988.57	-7,109.89	7,383.18	7,376.36	6.82	1,081.971		
400.00	399.84	306.82	306.82	3.59	3.43	102.67	-1,988.94	-7,110.13	7,385.08	7,378.05	7.03	1,051.138		
500.00	499.45	455.88	455.88	3.79	3.68	102.71	-1,990.44	-7,111.26	7,388.11	7,380.64	7.47	989.561		
600.00	598.70	582.99	582.99	4.04	3.96	102.75	-1,992.19	-7,111.03	7,390.98	7,382.99	7.99	924.668		
700.00	697.47	715.23	715.19	4.32	4.31	102.83	-1,993.70	-7,110.45	7,394.38	7,385.75	8.63	856.737		
800.00	795.62	798.33	798.28	4.64	4.56	102.86	-1,994.95	-7,109.94	7,398.49	7,389.29	9.20	804.041		
900.00	893.06	941.12	941.04	5.01	5.02	103.00	-1,997.00	-7,108.80	7,403.27	7,393.25	10.02	738.811		
1,000.00	989.64	1,041.47	1,041.38	5.41	5.35	103.08	-1,998.10	-7,107.56	7,408.37	7,397.61	10.76	688.543		
1,100.00	1,085.27	1,122.42	1,122.33	5.85	5.64	103.14	-1,998.46	-7,106.85	7,414.52	7,403.04	11.48	645.957		
1,200.00	1,179.82	1,217.51	1,217.42	6.33	5.98	103.23	-1,998.75	-7,106.19	7,421.72	7,409.43	12.29	603.716		
1,300.00	1,273.17	1,301.92	1,301.82	6.84	6.29	103.29	-1,999.05	-7,105.56	7,429.83	7,416.72	13.12	566.427		
1,404.90	1,369.69	1,400.26	1,400.16	7.43	6.65	103.39	-1,999.44	-7,105.01	7,439.57	7,425.50	14.07	528.865		
1,500.00	1,456.50	1,497.52	1,497.42	8.00	7.02	103.69	-1,999.46	-7,104.35	7,448.80	7,433.80	14.99	496.881		
1,600.00	1,547.79	1,597.24	1,597.14	8.61	7.40	103.99	-1,999.44	-7,103.62	7,458.65	7,442.68	15.97	466.897		
1,700.00	1,639.07	1,679.77	1,679.66	9.23	7.72	104.24	-1,999.41	-7,102.96	7,468.65	7,451.74	16.91	441.642		
1,800.00	1,730.36	1,763.41	1,763.30	9.87	8.05	104.50	-1,999.48	-7,102.46	7,479.06	7,461.19	17.87	418.582		
1,900.00	1,821.64	1,843.63	1,843.52	10.52	8.37	104.74	-1,999.84	-7,101.87	7,489.64	7,470.82	18.82	397.956		
2,000.00	1,912.93	1,890.05	1,889.94	11.18	8.55	104.88	-1,999.86	-7,101.81	7,500.86	7,481.22	19.64	381.933		
2,100.00	2,004.21	1,939.01	1,938.90	11.84	8.74	105.03	-1,999.59	-7,102.10	7,512.82	7,492.35	20.47	367.015		
2,200.00	2,095.50	1,991.59	1,991.47	12.51	8.94	105.19	-1,998.95	-7,102.77	7,525.48	7,504.16	21.31	353.060		
2,300.00	2,186.78	2,051.71	2,051.56	13.19	9.16	105.38	-1,997.71	-7,103.92	7,538.78	7,516.58	22.19	339.680		
2,400.00	2,278.06	2,121.17	2,120.97	13.86	9.43	105.61	-1,995.44	-7,105.66	7,552.62	7,529.50	23.11	326.761		
2,500.00	2,369.35	2,226.58	2,226.20	14.55	9.84	105.97	-1,990.09	-7,108.69	7,566.73	7,542.55	24.18	312.882		
2,600.00	2,460.63	2,349.99	2,349.29	15.23	10.32	106.40	-1,982.00	-7,112.05	7,580.72	7,555.38	25.34	299.191		
2,700.00	2,551.92	2,423.42	2,422.49	15.92	10.62	106.66	-1,976.48	-7,114.02	7,594.83	7,568.54	26.29	288.874		
2,800.00	2,643.20	2,487.00	2,485.82	16.61	10.87	106.88	-1,971.35	-7,116.10	7,609.61	7,582.40	27.21	279.703		
2,900.00	2,734.49	2,571.13	2,569.58	17.30	11.22	107.19	-1,963.99	-7,119.10	7,624.84	7,596.63	28.21	270.268		
3,000.00	2,825.77	2,655.98	2,653.98	18.00	11.57	107.50	-1,955.87	-7,122.14	7,640.27	7,611.05	29.23	261.421		
3,100.00	2,917.06	2,721.05	2,718.66	18.69	11.84	107.74	-1,949.15	-7,124.63	7,656.12	7,625.97	30.16	253.881		
3,200.00	3,008.34	2,780.49	2,777.67	19.39	12.09	107.96	-1,942.50	-7,127.18	7,672.57	7,641.51	31.06	247.005		
3,300.00	3,099.63	2,845.27	2,841.95	20.09	12.37	108.20	-1,935.08	-7,130.19	7,689.59	7,657.60	31.99	240.344		
3,400.00	3,190.91	2,920.63	2,916.75	20.79	12.69	108.48	-1,926.65	-7,133.84	7,707.11	7,674.14	32.97	233.727		
3,500.00	3,282.20	2,986.51	2,982.18	21.49	12.98	108.73	-1,919.68	-7,137.05	7,725.04	7,691.13	33.91	227.795		
3,600.00	3,373.48	3,035.36	3,030.69	22.19	13.19	108.90	-1,914.56	-7,139.64	7,743.62	7,708.85	34.77	222.714		
3,700.00	3,464.77	3,100.89	3,095.75	22.89	13.48	109.14	-1,907.68	-7,143.40	7,762.86	7,727.16	35.70	217.424		
3,800.00	3,556.05	3,211.37	3,205.48	23.60	13.97	109.55	-1,896.40	-7,149.70	7,782.43	7,745.58	36.85	211.174		
3,900.00	3,647.34	3,368.64	3,361.81	24.30	14.67	110.11	-1,881.15	-7,157.35	7,801.53	7,763.30	38.23	204.071		
4,000.00	3,738.62	3,450.06	3,442.73	25.00	15.03	110.40	-1,872.87	-7,161.09	7,820.68	7,781.44	39.24	199.282		
4,100.00	3,829.91	3,557.42	3,549.40	25.71	15.52	110.78	-1,861.68	-7,165.83	7,839.94	7,799.55	40.39	194.120		
4,200.00	3,921.19	3,628.00	3,619.52	26.42	15.84	111.03	-1,854.33	-7,168.96	7,859.52	7,818.17	41.35	190.072		
4,300.00	4,012.48	3,680.54	3,671.72	27.12	16.07	111.22	-1,848.91	-7,171.46	7,879.64	7,837.42	42.22	186.621		
4,400.00	4,103.76	3,741.45	3,732.23	27.83	16.35	111.44	-1,842.68	-7,174.61	7,900.40	7,857.26	43.13	183.158		
4,500.00	4,195.05	3,818.00	3,808.29	28.54	16.70	111.70	-1,835.02	-7,178.61	7,921.51	7,877.39	44.12	179.536		
4,600.00	4,286.33	3,870.98	3,860.91	29.24	16.95	111.89	-1,829.59	-7,181.52	7,943.14	7,898.15	44.99	176.551		
4,700.00	4,377.62	3,917.14	3,906.70	29.95	17.16	112.05	-1,824.54	-7,184.34	7,965.49	7,919.67	45.82	173.841		
4,800.00	4,468.90	3,988.05	3,977.02	30.66	17.49	112.31	-1,816.52	-7,188.91	7,988.40	7,941.63	46.78	170.773		
4,900.00	4,560.19	4,068.00	4,056.24	31.37	17.87	112.59	-1,807.21	-7,194.18	8,011.71	7,963.93	47.78	167.673		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-423(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 146-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		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	4,651.47	4,242.45	4,229.12	32.08	18.70	113.22	-1,786.32	-7,204.66	8,034.74	7,985.45	49.28	163.028				
5,100.00	4,742.76	4,332.18	4,318.14	32.79	19.12	113.53	-1,776.21	-7,209.61	8,057.69	8,007.35	50.34	160.067				
5,200.00	4,834.04	4,545.91	4,530.43	33.50	20.13	114.27	-1,753.35	-7,219.26	8,079.91	8,027.87	52.04	155.265				
5,300.00	4,925.33	5,300.00	4,641.20	34.21	23.67	114.64	-1,741.69	-7,223.29	8,101.75	8,045.55	56.19	144.178				
5,400.00	5,016.61	4,770.50	4,753.77	34.92	21.17	115.02	-1,731.11	-7,226.94	8,123.50	8,069.13	54.37	149.403				
5,500.00	5,107.90	4,893.08	4,875.96	35.63	21.73	115.40	-1,722.03	-7,230.46	8,145.19	8,089.61	55.58	146.552				
5,600.00	5,199.18	5,183.00	5,165.56	36.34	22.99	116.25	-1,710.35	-7,235.46	8,166.53	8,108.95	57.58	141.841				
5,700.00	5,290.46	5,250.71	5,233.25	37.05	23.27	116.43	-1,709.36	-7,235.75	8,186.45	8,127.96	58.49	139.961				
5,800.00	5,381.75	5,317.33	5,299.87	37.76	23.55	116.61	-1,708.65	-7,236.23	8,206.80	8,147.40	59.40	138.168				
5,900.00	5,473.03	5,375.81	5,358.35	38.47	23.79	116.76	-1,708.24	-7,236.84	8,227.61	8,167.35	60.26	136.531				
6,000.00	5,564.32	5,433.00	5,415.53	39.18	24.03	116.91	-1,708.00	-7,237.69	8,248.97	8,187.85	61.12	134.971				
6,100.00	5,655.60	5,482.08	5,464.60	39.90	24.23	117.04	-1,707.91	-7,238.65	8,270.90	8,208.97	61.93	133.557				
6,200.00	5,746.89	5,743.71	5,726.16	40.61	25.28	117.69	-1,711.57	-7,241.86	8,292.33	8,228.61	63.72	130.131				
6,300.00	5,838.17	5,834.04	5,816.48	41.32	25.64	117.91	-1,713.26	-7,242.02	8,312.88	8,248.16	64.72	128.440				
6,400.00	5,929.46	5,914.11	5,896.54	42.03	25.96	118.10	-1,714.37	-7,242.22	8,333.65	8,267.98	65.67	126.893				
6,500.00	6,020.74	5,986.81	5,969.23	42.74	26.25	118.28	-1,715.13	-7,242.53	8,354.73	8,288.14	66.59	125.459				
6,600.00	6,112.03	6,069.13	6,051.55	43.46	26.58	118.48	-1,715.83	-7,243.02	8,376.11	8,308.56	67.56	123.986				
6,700.00	6,203.31	6,154.42	6,136.84	44.17	26.93	118.69	-1,716.55	-7,243.60	8,397.71	8,329.18	68.53	122.533				
6,800.00	6,294.60	6,236.24	6,218.65	44.88	27.26	118.89	-1,717.31	-7,244.23	8,419.52	8,350.03	69.49	121.154				
6,900.00	6,385.88	6,309.56	6,291.96	45.59	27.56	119.07	-1,717.90	-7,244.89	8,441.61	8,371.20	70.41	119.886				
6,927.91	6,411.36	6,327.08	6,309.48	45.79	27.63	119.11	-1,718.00	-7,245.08	8,447.85	8,377.19	70.66	119.563				
6,950.00	6,431.59	6,340.99	6,323.39	45.95	27.69	119.00	-1,718.07	-7,245.24	8,452.43	8,381.59	70.85	119.308				
7,000.00	6,477.77	6,372.69	6,355.09	46.27	27.82	104.70	-1,718.16	-7,245.64	8,460.11	8,388.85	71.26	118.717				
7,050.00	6,524.26	6,429.84	6,412.24	46.56	28.06	93.56	-1,718.24	-7,246.38	8,463.95	8,392.17	71.78	117.913				
7,100.00	6,570.76	6,462.62	6,445.01	46.81	28.19	82.30	-1,718.39	-7,246.80	8,463.90	8,391.75	72.15	117.310				
7,150.00	6,617.00	6,490.25	6,472.63	47.02	28.31	71.88	-1,719.09	-7,247.26	8,460.07	8,387.61	72.46	116.759				
7,200.00	6,662.68	7,382.20	7,189.58	47.20	31.57	61.71	-2,176.31	-7,250.13	8,451.32	8,374.52	76.80	110.050				
7,250.00	6,707.53	7,468.74	7,225.46	47.34	32.11	53.76	-2,254.97	-7,248.78	8,435.31	8,357.77	77.54	108.789				
7,300.00	6,751.28	7,489.00	7,232.38	47.47	32.24	47.55	-2,274.01	-7,248.50	8,415.67	8,337.88	77.79	108.185				
7,350.00	6,793.64	8,254.00	7,263.73	47.57	40.19	37.12	-3,032.62	-7,218.84	8,391.87	8,305.54	86.33	97.206				
7,400.00	6,834.35	8,254.00	7,263.73	47.66	40.19	32.91	-3,032.62	-7,218.84	8,364.19	8,277.81	86.39	96.821				
7,450.00	6,873.18	8,254.00	7,263.73	47.75	40.19	29.42	-3,032.62	-7,218.84	8,333.54	8,247.12	86.42	96.427				
7,500.00	6,909.88	8,254.00	7,263.73	47.83	40.19	26.47	-3,032.62	-7,218.84	8,300.06	8,213.62	86.44	96.022				
7,550.00	6,944.21	8,254.00	7,263.73	47.91	40.19	23.91	-3,032.62	-7,218.84	8,263.93	8,177.49	86.44	95.601				
7,600.00	6,975.98	8,254.00	7,263.73	47.99	40.19	21.63	-3,032.62	-7,218.84	8,225.34	8,138.91	86.43	95.164				
7,650.00	7,004.98	8,254.00	7,263.73	48.09	40.19	19.51	-3,032.62	-7,218.84	8,184.49	8,098.08	86.42	94.710				
7,700.00	7,031.04	8,254.00	7,263.73	48.20	40.19	17.43	-3,032.62	-7,218.84	8,141.61	8,055.21	86.40	94.236				
7,750.00	7,053.99	8,254.00	7,263.73	48.32	40.19	15.23	-3,032.62	-7,218.84	8,096.92	8,010.55	86.37	93.744				
7,800.00	7,073.70	8,254.00	7,263.73	48.46	40.19	12.65	-3,032.62	-7,218.84	8,050.68	7,964.33	86.35	93.232				
7,850.00	7,090.03	8,266.50	7,263.31	48.62	40.36	8.88	-3,045.08	-7,217.90	8,003.08	7,916.56	86.52	92.502				
7,900.00	7,102.90	8,266.63	7,263.31	48.81	40.36	3.31	-3,045.21	-7,217.89	7,954.52	7,868.02	86.51	91.952				
7,950.00	7,112.22	8,266.56	7,263.31	49.02	40.36	-7.91	-3,045.14	-7,217.90	7,905.23	7,818.73	86.50	91.390				
8,000.00	7,117.94	8,266.28	7,263.32	49.26	40.36	-39.15	-3,044.86	-7,217.92	7,855.49	7,768.99	86.50	90.817				
8,047.82	7,120.00	8,254.00	7,263.73	49.51	40.19	-98.94	-3,032.62	-7,218.84	7,807.84	7,721.51	86.33	90.445				
8,100.00	7,120.42	8,254.00	7,263.73	49.82	40.19	-98.94	-3,032.62	-7,218.84	7,755.81	7,669.46	86.35	89.823				
8,200.00	7,121.24	8,254.00	7,263.73	50.53	40.19	-98.94	-3,032.62	-7,218.84	7,656.09	7,569.71	86.38	88.630				
8,300.00	7,122.05	8,254.00	7,263.73	51.39	40.19	-98.94	-3,032.62	-7,218.84	7,556.39	7,469.96	86.42	87.435				
8,400.00	7,122.86	8,254.00	7,263.73	52.42	40.19	-98.94	-3,032.62	-7,218.84	7,456.69	7,370.22	86.47	86.238				
8,500.00	7,123.68	8,254.00	7,263.73	53.63	40.19	-98.94	-3,032.62	-7,218.84	7,357.00	7,270.48	86.51	85.039				
8,600.00	7,124.49	8,254.00	7,263.73	55.01	40.19	-98.94	-3,032.62	-7,218.84	7,257.31	7,170.75	86.56	83.839				

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	7,125.30	8,254.00	7,263.73	56.54	40.19	-98.94	-3,032.62	-7,218.84	7,157.64	7,071.02	86.62	82.637		
8,800.00	7,126.12	8,254.00	7,263.73	58.21	40.19	-98.94	-3,032.62	-7,218.84	7,057.98	6,971.30	86.67	81.432		
8,900.00	7,126.93	8,254.00	7,263.73	60.01	40.19	-98.94	-3,032.62	-7,218.84	6,958.32	6,871.59	86.73	80.226		
9,000.00	7,127.75	8,254.00	7,263.73	61.92	40.19	-98.94	-3,032.62	-7,218.84	6,858.68	6,771.88	86.80	79.018		
9,100.00	7,128.56	8,254.00	7,263.73	63.92	40.19	-98.94	-3,032.62	-7,218.84	6,759.04	6,672.17	86.87	77.809		
9,200.00	7,129.37	8,254.00	7,263.73	66.01	40.19	-98.94	-3,032.62	-7,218.84	6,659.42	6,572.48	86.94	76.597		
9,300.00	7,130.19	8,254.00	7,263.73	68.16	40.19	-98.94	-3,032.62	-7,218.84	6,559.81	6,472.79	87.02	75.383		
9,400.00	7,131.00	8,254.00	7,263.73	70.38	40.19	-98.94	-3,032.62	-7,218.84	6,460.21	6,373.10	87.10	74.168		
9,500.00	7,131.81	8,254.00	7,263.73	72.65	40.19	-98.94	-3,032.62	-7,218.84	6,360.62	6,273.43	87.19	72.951		
9,600.00	7,132.63	8,254.00	7,263.73	74.97	40.19	-98.94	-3,032.62	-7,218.84	6,261.04	6,173.76	87.28	71.731		
9,700.00	7,133.44	8,242.08	7,264.10	77.33	40.02	-99.16	-3,020.74	-7,219.85	6,161.42	6,074.24	87.18	70.672		
9,800.00	7,134.25	8,240.29	7,264.15	79.72	40.00	-99.19	-3,018.96	-7,220.00	6,061.86	5,974.60	87.26	69.472		
9,900.00	7,135.07	8,238.45	7,264.21	82.16	39.97	-99.23	-3,017.13	-7,220.17	5,962.31	5,874.97	87.33	68.270		
10,000.00	7,135.88	8,236.56	7,264.26	84.62	39.95	-99.26	-3,015.25	-7,220.34	5,862.76	5,775.35	87.42	67.067		
10,100.00	7,136.70	8,223.00	7,264.65	87.11	39.76	-99.53	-3,001.76	-7,221.64	5,763.29	5,676.00	87.30	66.019		
10,200.00	7,137.51	8,223.00	7,264.65	89.62	39.76	-99.53	-3,001.76	-7,221.64	5,663.76	5,576.34	87.42	64.785		
10,300.00	7,138.32	8,223.00	7,264.65	92.16	39.76	-99.53	-3,001.76	-7,221.64	5,564.24	5,476.69	87.56	63.550		
10,400.00	7,139.14	8,223.00	7,264.65	94.71	39.76	-99.53	-3,001.76	-7,221.64	5,464.74	5,377.05	87.70	62.313		
10,500.00	7,139.95	8,223.00	7,264.65	97.29	39.76	-99.53	-3,001.76	-7,221.64	5,365.26	5,277.41	87.85	61.073		
10,600.00	7,140.76	8,223.00	7,264.65	99.88	39.76	-99.53	-3,001.76	-7,221.64	5,265.80	5,177.79	88.01	59.832		
10,700.00	7,141.58	8,223.00	7,264.65	102.48	39.76	-99.53	-3,001.76	-7,221.64	5,166.36	5,078.18	88.18	58.589		
10,800.00	7,142.39	7,615.00	7,262.11	105.10	33.17	145.13	-2,396.23	-7,248.73	5,066.73	4,987.85	78.88	64.235		
10,900.00	7,143.20	7,615.00	7,262.11	107.74	33.17	145.13	-2,396.23	-7,248.73	4,966.75	4,887.85	78.90	62.950		
11,000.00	7,144.02	7,615.00	7,262.11	110.38	33.17	145.13	-2,396.23	-7,248.73	4,866.77	4,787.85	78.92	61.665		
11,100.00	7,144.83	7,615.00	7,262.11	113.04	33.17	145.13	-2,396.23	-7,248.73	4,766.80	4,687.85	78.95	60.380		
11,200.00	7,145.65	7,615.00	7,262.11	115.71	33.17	145.13	-2,396.23	-7,248.73	4,666.82	4,587.85	78.97	59.095		
11,300.00	7,146.46	7,615.00	7,262.11	118.38	33.17	145.13	-2,396.23	-7,248.73	4,566.85	4,487.86	79.00	57.811		
11,400.00	7,147.27	7,621.51	7,262.99	121.07	33.22	148.29	-2,402.68	-7,248.79	4,466.87	4,387.77	79.10	56.473		
11,500.00	7,148.09	7,621.91	7,263.04	123.76	33.22	148.49	-2,403.07	-7,248.80	4,366.90	4,287.77	79.13	55.186		
11,600.00	7,148.90	7,622.31	7,263.10	126.46	33.23	148.70	-2,403.48	-7,248.80	4,266.93	4,187.76	79.16	53.899		
11,700.00	7,149.71	7,622.74	7,263.15	129.17	33.23	148.91	-2,403.90	-7,248.81	4,166.96	4,087.76	79.20	52.613		
11,800.00	7,150.53	7,623.17	7,263.21	131.89	33.23	149.13	-2,404.33	-7,248.81	4,066.99	3,987.75	79.24	51.327		
11,900.00	7,151.34	7,623.62	7,263.27	134.61	33.24	149.35	-2,404.77	-7,248.82	3,967.02	3,887.75	79.27	50.042		
12,000.00	7,152.16	7,624.08	7,263.32	137.34	33.24	149.59	-2,405.23	-7,248.82	3,867.06	3,787.75	79.31	48.757		
12,100.00	7,152.97	7,624.56	7,263.39	140.07	33.24	149.83	-2,405.71	-7,248.83	3,767.10	3,687.74	79.35	47.472		
12,200.00	7,153.78	7,625.05	7,263.45	142.81	33.25	150.08	-2,406.20	-7,248.83	3,667.13	3,587.74	79.40	46.188		
12,300.00	7,154.60	7,625.56	7,263.51	145.55	33.25	150.34	-2,406.70	-7,248.84	3,567.18	3,487.74	79.44	44.904		
12,400.00	7,155.41	7,626.09	7,263.58	148.30	33.26	150.61	-2,407.22	-7,248.85	3,467.22	3,387.73	79.49	43.621		
12,500.00	7,156.22	7,626.63	7,263.65	151.05	33.26	150.89	-2,407.76	-7,248.85	3,367.26	3,287.73	79.53	42.338		
12,600.00	7,157.04	7,627.19	7,263.72	153.80	33.26	151.18	-2,408.32	-7,248.86	3,267.31	3,187.73	79.58	41.056		
12,700.00	7,157.85	7,627.78	7,263.79	156.56	33.27	151.48	-2,408.90	-7,248.87	3,167.36	3,087.73	79.63	39.774		
12,800.00	7,158.66	7,628.38	7,263.86	159.33	33.27	151.80	-2,409.50	-7,248.88	3,067.42	2,987.73	79.69	38.494		
12,900.00	7,159.48	7,629.01	7,263.94	162.09	33.28	152.12	-2,410.12	-7,248.89	2,967.48	2,887.73	79.74	37.213		
13,000.00	7,160.29	7,629.66	7,264.02	164.86	33.28	152.47	-2,410.76	-7,248.90	2,867.54	2,787.74	79.80	35.934		
13,100.00	7,161.11	7,630.33	7,264.10	167.64	33.29	152.82	-2,411.43	-7,248.90	2,767.60	2,687.74	79.86	34.656		
13,209.97	7,162.00	7,631.10	7,264.19	170.69	33.29	153.23	-2,412.20	-7,248.92	2,657.71	2,577.78	79.93	33.250		
13,210.89	7,162.01	7,631.11	7,264.19	170.72	33.29	153.23	-2,412.20	-7,248.92	2,656.79	2,576.86	79.93	33.239 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	231.67	231.59	3.28	3.36	-105.69	-1,988.92	-7,078.54	7,356.62					
100.00	100.00	319.32	319.19	3.28	3.46	-105.70	-1,988.33	-7,075.78	7,353.42	7,346.67	6.74	1,090.325		
200.00	200.00	368.04	367.89	3.34	3.53	-105.70	-1,988.22	-7,074.38	7,350.61	7,343.75	6.87	1,070.599		
300.00	299.98	422.00	421.84	3.44	3.62	102.67	-1,987.17	-7,073.59	7,348.98	7,341.92	7.06	1,041.038		
366.77	366.68	441.89	441.72	3.54	3.66	102.69	-1,986.64	-7,073.47	7,348.71	7,341.52	7.19	1,021.950		
400.00	399.84	457.53	457.36	3.59	3.69	102.69	-1,986.28	-7,073.40	7,348.83	7,341.56	7.28	1,010.054		
500.00	499.45	513.00	512.82	3.79	3.81	102.71	-1,985.39	-7,073.36	7,350.20	7,342.61	7.59	968.515		
600.00	598.70	602.92	602.73	4.04	4.02	102.75	-1,984.78	-7,073.41	7,352.76	7,344.72	8.04	914.166		
700.00	697.47	766.15	765.95	4.32	4.47	102.90	-1,983.23	-7,072.41	7,355.29	7,346.51	8.78	837.981		
800.00	795.62	865.28	865.08	4.64	4.77	102.99	-1,981.92	-7,071.67	7,358.56	7,349.15	9.41	782.217		
900.00	893.06	937.99	937.78	5.01	5.01	103.03	-1,981.27	-7,071.15	7,362.81	7,352.80	10.01	735.842		
1,000.00	989.64	1,070.17	1,069.95	5.41	5.46	103.20	-1,979.55	-7,070.46	7,368.05	7,357.19	10.86	678.697		
1,100.00	1,085.27	1,137.44	1,137.20	5.85	5.70	103.25	-1,978.32	-7,070.10	7,373.99	7,362.46	11.53	639.478		
1,200.00	1,179.82	1,194.71	1,194.47	6.33	5.90	103.25	-1,977.28	-7,070.00	7,381.22	7,369.01	12.21	604.471		
1,300.00	1,273.17	2,050.95	2,048.16	6.84	9.31	105.68	-1,941.89	-7,032.95	7,387.27	7,371.22	16.05	460.123		
1,329.35	1,300.33	2,061.56	2,058.69	7.01	9.36	105.71	-1,940.97	-7,032.03	7,387.19	7,370.93	16.26	454.263		
1,404.90	1,369.69	2,107.00	2,103.80	7.43	9.56	105.86	-1,936.91	-7,028.38	7,387.78	7,370.91	16.87	437.800		
1,500.00	1,456.50	2,500.00	2,274.70	8.00	6.96	106.47	-1,921.75	-7,013.27	7,388.63	7,373.71	14.92	495.344		
1,600.00	1,547.79	2,359.99	2,354.80	8.61	10.70	106.74	-1,915.30	-7,005.37	7,389.04	7,369.94	19.10	386.819		
1,700.00	1,639.07	2,416.88	2,411.29	9.23	10.95	106.94	-1,911.29	-6,999.99	7,390.17	7,370.20	19.97	370.129		
1,800.00	1,730.36	2,488.00	2,481.94	9.87	11.28	107.18	-1,906.21	-6,993.53	7,391.87	7,370.97	20.90	353.639		
1,900.00	1,821.64	2,653.25	2,645.96	10.52	12.04	107.75	-1,893.25	-6,978.19	7,393.59	7,371.34	22.25	332.337		
2,000.00	1,912.93	2,813.15	2,804.47	11.18	12.80	108.30	-1,880.05	-6,961.79	7,394.59	7,371.01	23.58	313.584		
2,100.00	2,004.21	2,902.00	2,892.56	11.84	13.22	108.59	-1,874.48	-6,951.68	7,395.22	7,370.60	24.62	300.384		
2,200.00	2,095.50	2,963.00	2,953.10	12.51	13.50	108.79	-1,870.86	-6,945.09	7,396.59	7,371.05	25.55	289.543		
2,300.00	2,186.78	2,963.00	2,953.10	13.19	13.50	108.79	-1,870.86	-6,945.09	7,398.83	7,372.61	26.22	282.189		
2,400.00	2,278.06	3,017.13	3,006.86	13.86	13.76	108.97	-1,867.59	-6,939.82	7,401.85	7,374.73	27.12	272.893		
2,500.00	2,369.35	2,500.00	3,084.81	14.55	11.36	109.23	-1,862.70	-6,933.02	7,405.85	7,380.31	25.54	289.959		
2,600.00	2,460.63	3,246.00	3,234.26	15.23	14.84	109.74	-1,852.61	-6,918.70	7,409.11	7,379.65	29.46	251.505		
2,700.00	2,551.92	3,295.43	3,283.34	15.92	15.07	109.90	-1,849.14	-6,913.95	7,412.82	7,382.47	30.35	244.220		
2,800.00	2,643.20	3,341.00	3,328.65	16.61	15.29	110.06	-1,846.19	-6,910.07	7,417.60	7,386.37	31.23	237.508		
2,900.00	2,734.49	3,426.00	3,413.19	17.30	15.68	110.34	-1,840.85	-6,903.10	7,423.03	7,390.75	32.28	229.961		
3,000.00	2,825.77	3,558.57	3,544.97	18.00	16.31	110.78	-1,832.32	-6,891.41	7,428.11	7,394.57	33.54	221.490		
3,100.00	2,917.06	3,627.00	3,612.98	18.69	16.64	111.01	-1,827.62	-6,885.41	7,433.47	7,398.95	34.52	215.351		
3,200.00	3,008.34	4,026.49	4,009.03	19.39	18.59	112.34	-1,799.38	-6,841.85	7,436.48	7,399.55	36.93	201.366		
3,300.00	3,099.63	4,079.42	4,061.36	20.09	18.86	112.53	-1,794.84	-6,835.32	7,438.95	7,401.09	37.86	196.500		
3,400.00	3,190.91	4,102.00	4,083.69	20.79	18.98	112.60	-1,792.79	-6,832.63	7,442.23	7,403.57	38.65	192.545		
3,500.00	3,282.20	4,158.63	4,139.72	21.49	19.26	112.80	-1,787.61	-6,826.27	7,446.25	7,406.66	39.59	188.066		
3,600.00	3,373.48	4,197.00	4,177.73	22.19	19.45	112.93	-1,784.15	-6,822.32	7,451.26	7,410.81	40.45	184.191		
3,700.00	3,464.77	4,226.40	4,206.88	22.89	19.60	113.04	-1,781.54	-6,819.50	7,457.20	7,415.93	41.27	180.691		
3,800.00	3,556.05	4,257.90	4,238.14	23.60	19.75	113.14	-1,778.85	-6,816.71	7,464.09	7,422.00	42.09	177.324		
3,900.00	3,647.34	4,292.00	4,272.01	24.30	19.92	113.26	-1,776.04	-6,813.95	7,471.95	7,429.02	42.92	174.075		
4,000.00	3,738.62	4,343.83	4,323.52	25.00	20.16	113.44	-1,771.79	-6,810.07	7,480.62	7,436.79	43.83	170.666		
4,100.00	3,829.91	4,405.01	4,384.33	25.71	20.46	113.65	-1,766.62	-6,805.77	7,489.95	7,445.17	44.78	167.257		
4,200.00	3,921.19	4,485.20	4,464.04	26.42	20.84	113.92	-1,759.82	-6,800.32	7,499.76	7,453.94	45.82	163.689		
4,300.00	4,012.48	4,615.34	4,593.34	27.12	21.46	114.37	-1,748.61	-6,790.78	7,509.21	7,462.12	47.09	159.480		
4,400.00	4,103.76	4,672.00	4,649.66	27.83	21.74	114.56	-1,743.74	-6,786.84	7,519.35	7,471.34	48.01	156.613		
4,500.00	4,195.05	4,500.00	4,753.16	28.54	20.91	114.92	-1,735.29	-6,779.45	7,529.69	7,481.79	47.89	157.220		
4,600.00	4,286.33	4,826.95	4,803.73	29.24	22.47	115.09	-1,731.51	-6,775.84	7,540.40	7,490.35	50.05	150.652		
4,700.00	4,377.62	4,881.25	4,857.78	29.95	22.73	115.27	-1,727.60	-6,772.43	7,551.99	7,501.03	50.96	148.199		
4,800.00	4,468.90	4,989.28	4,965.38	30.66	23.23	115.62	-1,720.96	-6,765.47	7,563.73	7,511.62	52.11	145.148		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	4,560.19	5,053.00	5,028.92	31.37	23.53	115.81	-1,718.44	-6,761.39	7,575.84	7,522.79	53.05	142.802			
5,000.00	4,651.47	5,053.00	5,028.92	32.08	23.53	115.81	-1,718.44	-6,761.39	7,588.89	7,535.20	53.69	141.342			
5,100.00	4,742.76	5,097.86	5,073.69	32.79	23.72	115.95	-1,717.10	-6,758.98	7,602.68	7,548.14	54.53	139.415			
5,200.00	4,834.04	5,148.00	5,123.78	33.50	23.94	116.10	-1,715.57	-6,757.30	7,617.87	7,562.48	55.39	137.521			
5,300.00	4,925.33	5,148.00	5,123.78	34.21	23.94	116.10	-1,715.57	-6,757.30	7,633.65	7,577.64	56.01	136.286			
5,400.00	5,016.61	5,187.77	5,163.52	34.92	24.11	116.22	-1,714.33	-6,756.44	7,650.54	7,593.73	56.81	134.663			
5,500.00	5,107.90	5,242.00	5,217.72	35.63	24.35	116.38	-1,712.59	-6,755.44	7,668.05	7,610.37	57.68	132.942			
5,600.00	5,199.18	5,242.00	5,217.72	36.34	24.35	116.38	-1,712.59	-6,755.44	7,686.52	7,628.25	58.27	131.906			
5,700.00	5,290.46	5,298.19	5,273.89	37.05	24.57	116.54	-1,711.49	-6,754.99	7,705.56	7,646.43	59.12	130.328			
5,800.00	5,381.75	5,337.00	5,312.70	37.76	24.72	116.65	-1,711.60	-6,755.26	7,725.74	7,665.85	59.89	129.001			
5,900.00	5,473.03	5,405.44	5,381.13	38.47	24.97	116.83	-1,712.36	-6,756.07	7,746.60	7,685.82	60.78	127.462			
6,000.00	5,564.32	5,521.09	5,496.77	39.18	25.39	117.14	-1,713.40	-6,757.12	7,767.43	7,705.55	61.88	125.521			
6,100.00	5,655.60	5,602.87	5,578.55	39.90	25.69	117.36	-1,714.02	-6,757.78	7,788.33	7,725.50	62.83	123.957			
6,200.00	5,746.89	5,674.68	5,650.35	40.61	25.96	117.55	-1,714.65	-6,758.49	7,809.55	7,745.82	63.73	122.536			
6,300.00	5,838.17	5,741.73	5,717.39	41.32	26.21	117.73	-1,715.36	-6,759.35	7,831.18	7,766.57	64.61	121.208			
6,400.00	5,929.46	5,813.00	5,788.65	42.03	26.48	117.92	-1,715.92	-6,760.52	7,853.28	7,787.78	65.51	119.887			
6,500.00	6,020.74	5,892.99	5,868.63	42.74	26.77	118.13	-1,716.52	-6,761.99	7,875.73	7,809.28	66.44	118.533			
6,600.00	6,112.03	5,976.61	5,952.23	43.46	27.09	118.35	-1,717.27	-6,763.57	7,898.36	7,830.96	67.40	117.191			
6,700.00	6,203.31	6,049.90	6,025.50	44.17	27.37	118.54	-1,717.80	-6,765.05	7,921.28	7,852.98	68.30	115.978			
6,800.00	6,294.60	6,214.55	6,190.11	44.88	27.99	118.97	-1,719.19	-6,768.04	7,944.23	7,874.58	69.65	114.054			
6,900.00	6,385.88	6,274.39	6,249.95	45.59	28.22	119.12	-1,719.63	-6,768.90	7,966.90	7,896.41	70.49	113.021			
6,927.91	6,411.36	6,291.16	6,266.71	45.79	28.28	119.17	-1,719.70	-6,769.17	7,973.31	7,902.59	70.72	112.738			
6,950.00	6,431.59	6,304.91	6,280.46	45.95	28.34	119.05	-1,719.76	-6,769.42	7,978.05	7,907.14	70.91	112.511			
7,000.00	6,477.77	6,342.57	6,318.12	46.27	28.48	104.77	-1,720.02	-6,770.13	7,986.06	7,914.71	71.35	111.933			
7,050.00	6,524.26	7,576.05	7,137.29	46.56	33.28	90.63	-2,468.95	-6,758.42	7,986.07	7,907.86	78.21	102.111			
7,100.00	6,570.76	7,588.00	7,138.26	46.81	33.38	79.21	-2,480.85	-6,758.03	7,980.29	7,901.73	78.56	101.582			
7,150.00	6,617.00	7,588.00	7,138.26	47.02	33.38	68.70	-2,480.85	-6,758.03	7,970.91	7,892.15	78.76	101.209			
7,200.00	6,662.68	7,588.00	7,138.26	47.20	33.38	59.58	-2,480.85	-6,758.03	7,958.00	7,879.08	78.91	100.844			
7,250.00	6,707.53	7,588.00	7,138.26	47.34	33.38	52.00	-2,480.85	-6,758.03	7,941.62	7,862.59	79.03	100.486			
7,300.00	6,751.28	7,588.00	7,138.26	47.47	33.38	45.84	-2,480.85	-6,758.03	7,921.86	7,842.75	79.11	100.132			
7,350.00	6,793.64	7,588.00	7,138.26	47.57	33.38	40.88	-2,480.85	-6,758.03	7,898.81	7,819.64	79.17	99.776			
7,400.00	6,834.35	7,614.68	7,140.09	47.66	33.62	36.67	-2,507.46	-6,757.36	7,872.40	7,792.94	79.46	99.077			
7,450.00	6,873.18	7,618.75	7,140.32	47.75	33.66	33.38	-2,511.52	-6,757.28	7,843.06	7,763.56	79.50	98.656			
7,500.00	6,909.88	7,622.55	7,140.54	47.83	33.70	30.68	-2,515.31	-6,757.21	7,810.83	7,731.31	79.52	98.224			
7,550.00	6,944.21	7,626.06	7,140.73	47.91	33.73	28.46	-2,518.82	-6,757.16	7,775.86	7,696.33	79.52	97.780			
7,600.00	6,975.98	7,629.27	7,140.89	47.99	33.76	26.60	-2,522.03	-6,757.11	7,738.33	7,658.82	79.51	97.320			
7,650.00	7,004.98	7,654.00	7,141.95	48.09	33.98	24.78	-2,546.73	-6,756.90	7,698.58	7,618.86	79.72	96.574			
7,700.00	7,031.04	7,654.00	7,141.95	48.20	33.98	23.44	-2,546.73	-6,756.90	7,656.52	7,576.86	79.66	96.110			
7,750.00	7,053.99	7,654.00	7,141.95	48.32	33.98	22.27	-2,546.73	-6,756.90	7,612.56	7,532.94	79.61	95.621			
7,800.00	7,073.70	7,654.00	7,141.95	48.46	33.98	21.20	-2,546.73	-6,756.90	7,566.92	7,487.36	79.56	95.108			
7,850.00	7,090.03	7,654.00	7,141.95	48.62	33.98	20.15	-2,546.73	-6,756.90	7,519.86	7,440.35	79.52	94.570			
7,900.00	7,102.90	7,654.00	7,141.95	48.81	33.98	18.92	-2,546.73	-6,756.90	7,471.66	7,392.18	79.48	94.008			
7,950.00	7,112.22	7,654.00	7,141.95	49.02	33.98	17.03	-2,546.73	-6,756.90	7,422.58	7,343.13	79.45	93.424			
8,000.00	7,117.94	7,654.00	7,141.95	49.26	33.98	11.97	-2,546.73	-6,756.90	7,372.91	7,293.48	79.43	92.819			
8,047.82	7,120.00	7,654.00	7,141.95	49.51	33.98	-72.46	-2,546.73	-6,756.90	7,325.14	7,245.71	79.43	92.223			
8,100.00	7,120.42	7,654.00	7,141.95	49.82	33.98	-72.46	-2,546.73	-6,756.90	7,272.96	7,193.53	79.43	91.563			
8,200.00	7,121.24	7,654.00	7,141.95	50.53	33.98	-72.46	-2,546.73	-6,756.90	7,172.97	7,093.54	79.44	90.300			
8,300.00	7,122.05	7,654.00	7,141.95	51.39	33.98	-72.46	-2,546.73	-6,756.90	7,072.98	6,993.54	79.44	89.035			
8,400.00	7,122.86	7,654.00	7,141.95	52.42	33.98	-72.46	-2,546.73	-6,756.90	6,972.99	6,893.54	79.45	87.770			
8,500.00	7,123.68	7,654.00	7,141.95	53.63	33.98	-72.46	-2,546.73	-6,756.90	6,873.00	6,793.54	79.45	86.503			

CC - Min centre 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-14C-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-14C-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-243(PR) - OH - OH		Offset Site Error: 0.00 ft	
Survey Program: 146-MWD													Offset Well Error: 3.28 ft			
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,600.00	7,124.49	7,654.00	7,141.95	55.01	33.98	-72.46	-2,546.73	-6,756.90	6,773.01	6,693.54	79.46	85.236				
8,700.00	7,125.30	7,654.00	7,141.95	56.54	33.98	-72.46	-2,546.73	-6,756.90	6,673.01	6,593.54	79.47	83.968				
8,800.00	7,126.12	7,654.00	7,141.95	58.21	33.98	-72.46	-2,546.73	-6,756.90	6,573.02	6,493.54	79.48	82.700				
8,900.00	7,126.93	7,654.00	7,141.95	60.01	33.98	-72.46	-2,546.73	-6,756.90	6,473.03	6,393.54	79.49	81.430				
9,000.00	7,127.75	7,654.00	7,141.95	61.92	33.98	-72.46	-2,546.73	-6,756.90	6,373.04	6,293.54	79.50	80.160				
9,100.00	7,128.56	7,654.00	7,141.95	63.92	33.98	-72.46	-2,546.73	-6,756.90	6,273.06	6,193.54	79.52	78.889				
9,200.00	7,129.37	7,654.00	7,141.95	66.01	33.98	-72.46	-2,546.73	-6,756.90	6,173.07	6,093.53	79.53	77.618				
9,300.00	7,130.19	7,654.00	7,141.95	68.16	33.98	-72.46	-2,546.73	-6,756.90	6,073.08	5,993.53	79.55	76.346				
9,400.00	7,131.00	7,654.00	7,141.95	70.38	33.98	-72.46	-2,546.73	-6,756.90	5,973.09	5,893.53	79.56	75.074				
9,500.00	7,131.81	7,654.00	7,141.95	72.65	33.98	-72.46	-2,546.73	-6,756.90	5,873.10	5,793.52	79.58	73.801				
9,600.00	7,132.63	7,654.00	7,141.95	74.97	33.98	-72.46	-2,546.73	-6,756.90	5,773.11	5,693.51	79.60	72.527				
9,700.00	7,133.44	7,654.00	7,141.95	77.33	33.98	-72.46	-2,546.73	-6,756.90	5,673.13	5,593.51	79.62	71.254				
9,800.00	7,134.25	7,654.00	7,141.95	79.72	33.98	-72.46	-2,546.73	-6,756.90	5,573.14	5,493.50	79.64	69.979				
9,900.00	7,135.07	7,654.00	7,141.95	82.16	33.98	-72.46	-2,546.73	-6,756.90	5,473.15	5,393.49	79.66	68.705				
10,000.00	7,135.88	7,654.00	7,141.95	84.62	33.98	-72.46	-2,546.73	-6,756.90	5,373.17	5,293.48	79.69	67.430				
10,100.00	7,136.70	7,654.00	7,141.95	87.11	33.98	-72.46	-2,546.73	-6,756.90	5,273.18	5,193.47	79.71	66.155				
10,200.00	7,137.51	7,654.00	7,141.95	89.62	33.98	-72.46	-2,546.73	-6,756.90	5,173.20	5,093.46	79.74	64.879				
10,300.00	7,138.32	7,654.00	7,141.95	92.16	33.98	-72.46	-2,546.73	-6,756.90	5,073.21	4,993.45	79.76	63.604				
10,400.00	7,139.14	7,654.00	7,141.95	94.71	33.98	-72.46	-2,546.73	-6,756.90	4,973.23	4,893.44	79.79	62.328				
10,500.00	7,139.95	7,654.00	7,141.95	97.29	33.98	-72.46	-2,546.73	-6,756.90	4,873.25	4,793.43	79.82	61.052				
10,600.00	7,140.76	7,654.00	7,141.95	99.88	33.98	-72.46	-2,546.73	-6,756.90	4,773.27	4,693.41	79.85	59.776				
10,700.00	7,141.58	7,633.78	7,141.11	102.48	33.80	-67.05	-2,526.52	-6,757.06	4,673.15	4,593.54	79.61	58.700				
10,800.00	7,142.39	7,633.30	7,141.09	105.10	33.79	-66.89	-2,526.04	-6,757.06	4,573.17	4,493.53	79.63	57.427				
10,900.00	7,143.20	7,632.80	7,141.07	107.74	33.79	-66.71	-2,525.55	-6,757.07	4,473.18	4,393.52	79.66	56.155				
11,000.00	7,144.02	7,632.29	7,141.04	110.38	33.78	-66.54	-2,525.04	-6,757.07	4,373.19	4,293.51	79.68	54.882				
11,100.00	7,144.83	7,631.76	7,141.02	113.04	33.78	-66.35	-2,524.51	-6,757.08	4,273.21	4,193.50	79.71	53.610				
11,200.00	7,145.65	7,631.22	7,140.99	115.71	33.78	-66.15	-2,523.97	-6,757.09	4,173.22	4,093.48	79.74	52.338				
11,300.00	7,146.46	7,630.67	7,140.96	118.38	33.77	-65.95	-2,523.41	-6,757.09	4,073.24	3,993.47	79.76	51.066				
11,400.00	7,147.27	7,630.09	7,140.93	121.07	33.76	-65.74	-2,522.84	-6,757.10	3,973.25	3,893.46	79.79	49.794				
11,500.00	7,148.09	7,629.50	7,140.90	123.76	33.76	-65.51	-2,522.25	-6,757.11	3,873.27	3,793.44	79.82	48.523				
11,600.00	7,148.90	7,628.89	7,140.87	126.46	33.75	-65.28	-2,521.64	-6,757.12	3,773.28	3,693.43	79.85	47.252				
11,700.00	7,149.71	7,628.25	7,140.84	129.17	33.75	-65.03	-2,521.01	-6,757.13	3,673.30	3,593.41	79.89	45.982				
11,800.00	7,150.53	7,627.60	7,140.81	131.89	33.74	-64.77	-2,520.35	-6,757.14	3,573.32	3,493.40	79.92	44.712				
11,900.00	7,151.34	7,626.93	7,140.77	134.61	33.74	-64.50	-2,519.68	-6,757.15	3,473.34	3,393.38	79.95	43.442				
12,000.00	7,152.16	7,626.23	7,140.73	137.34	33.73	-64.21	-2,518.98	-6,757.16	3,373.35	3,293.37	79.99	42.173				
12,100.00	7,152.97	7,625.50	7,140.70	140.07	33.72	-63.91	-2,518.26	-6,757.17	3,273.37	3,193.35	80.02	40.905				
12,200.00	7,153.78	7,624.76	7,140.66	142.81	33.72	-63.58	-2,517.51	-6,757.18	3,173.39	3,093.33	80.06	39.637				
12,300.00	7,154.60	7,623.98	7,140.61	145.55	33.71	-63.24	-2,516.74	-6,757.19	3,073.42	2,993.32	80.10	38.371				
12,400.00	7,155.41	7,623.18	7,140.57	148.30	33.70	-62.88	-2,515.93	-6,757.20	2,973.44	2,893.30	80.14	37.104				
12,500.00	7,156.22	7,622.34	7,140.53	151.05	33.69	-62.50	-2,515.10	-6,757.22	2,873.46	2,793.28	80.18	35.839				
12,600.00	7,157.04	7,621.47	7,140.48	153.80	33.69	-62.09	-2,514.24	-6,757.23	2,773.49	2,693.27	80.22	34.574				
12,700.00	7,157.85	7,620.57	7,140.43	156.56	33.68	-61.66	-2,513.34	-6,757.25	2,673.51	2,593.25	80.26	33.310				
12,800.00	7,158.66	7,619.64	7,140.37	159.33	33.67	-61.20	-2,512.40	-6,757.26	2,573.54	2,493.24	80.30	32.047				
12,900.00	7,159.48	7,618.66	7,140.32	162.09	33.66	-60.70	-2,511.43	-6,757.28	2,473.57	2,393.22	80.35	30.785				
13,000.00	7,160.29	7,617.65	7,140.26	164.86	33.65	-60.17	-2,510.42	-6,757.30	2,373.60	2,293.20	80.39	29.524				
13,100.00	7,161.11	7,616.59	7,140.20	167.64	33.64	-59.60	-2,509.36	-6,757.32	2,273.63	2,193.19	80.44	28.264				
13,209.97	7,162.00	7,615.38	7,140.13	170.69	33.63	-58.92	-2,508.15	-6,757.34	2,163.70	2,083.20	80.49	26.880				
13,210.89	7,162.01	7,615.37	7,140.13	170.72	33.63	-58.92	-2,508.14	-6,757.34	2,162.78	2,082.29	80.50	26.868	CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-109.48	-2,003.04	-5,662.01	6,005.87					
100.00	100.00	85.00	85.00	3.28	3.29	-109.48	-2,003.04	-5,662.01	6,005.87	5,999.30	6.57	914.135		
200.00	200.00	185.00	185.00	3.34	3.31	-109.48	-2,003.04	-5,662.01	6,005.87	5,999.23	6.64	904.217		
300.00	299.98	284.98	284.98	3.44	3.34	98.85	-2,003.04	-5,662.01	6,006.14	5,999.36	6.78	886.017		
400.00	399.84	384.84	384.84	3.59	3.39	98.88	-2,003.04	-5,662.01	6,006.95	5,999.97	6.98	861.017		
500.00	499.45	484.45	484.45	3.79	3.45	98.94	-2,003.04	-5,662.01	6,008.30	6,001.06	7.24	830.311		
600.00	598.70	583.70	583.70	4.04	3.52	99.01	-2,003.04	-5,662.01	6,010.22	6,002.66	7.55	795.724		
700.00	697.47	682.47	682.47	4.32	3.61	99.11	-2,003.04	-5,662.01	6,012.71	6,004.79	7.92	758.870		
800.00	795.62	780.62	780.62	4.64	3.70	99.22	-2,003.04	-5,662.01	6,015.81	6,007.46	8.34	721.053		
900.00	893.06	878.06	878.06	5.01	3.80	99.36	-2,003.04	-5,662.01	6,019.53	6,010.72	8.81	683.256		
1,000.00	989.64	974.64	974.64	5.41	3.92	99.51	-2,003.04	-5,662.01	6,023.92	6,014.60	9.32	646.176		
1,100.00	1,085.27	1,070.27	1,070.27	5.85	4.03	99.67	-2,003.04	-5,662.01	6,029.00	6,019.13	9.88	610.280		
1,200.00	1,179.82	1,164.82	1,164.82	6.33	4.16	99.84	-2,003.04	-5,662.01	6,034.83	6,024.35	10.48	575.866		
1,300.00	1,273.17	1,258.17	1,258.17	6.84	4.29	100.02	-2,003.04	-5,662.01	6,041.44	6,030.31	11.12	543.103		
1,404.90	1,369.69	1,265.51	1,265.50	7.43	4.39	99.89	-2,002.63	-5,662.64	6,050.40	6,038.59	11.81	512.391		
1,500.00	1,456.50	1,300.00	1,299.98	8.00	4.49	100.03	-2,002.09	-5,663.47	6,059.69	6,047.23	12.46	486.146		
1,600.00	1,547.79	1,339.40	1,339.35	8.61	4.61	100.19	-2,001.20	-5,664.86	6,070.51	6,057.32	13.18	460.482		
1,700.00	1,639.07	1,400.00	1,399.84	9.23	4.80	100.44	-1,999.26	-5,667.88	6,082.50	6,068.52	13.98	434.954		
1,800.00	1,730.36	1,400.00	1,399.84	9.87	4.80	100.44	-1,999.26	-5,667.88	6,095.40	6,080.79	14.60	417.437		
1,900.00	1,821.64	1,449.75	1,449.44	10.52	4.96	100.66	-1,997.16	-5,671.16	6,109.41	6,094.01	15.39	396.935		
2,000.00	1,912.93	1,500.00	1,499.45	11.18	5.13	100.88	-1,994.55	-5,675.21	6,124.58	6,108.38	16.19	378.249		
2,100.00	2,004.21	1,521.07	1,520.40	11.84	5.21	100.97	-1,993.32	-5,677.13	6,140.75	6,123.85	16.90	363.445		
2,200.00	2,095.50	1,556.05	1,555.13	12.51	5.33	101.13	-1,991.09	-5,680.60	6,158.05	6,140.39	17.65	348.846		
2,300.00	2,186.78	1,612.06	1,610.67	13.19	5.54	101.39	-1,987.16	-5,686.71	6,176.37	6,157.88	18.49	333.976		
2,400.00	2,278.06	1,702.12	1,695.76	13.86	5.88	101.78	-1,981.09	-5,696.16	6,195.18	6,175.71	19.48	318.104		
2,500.00	2,369.35	1,783.70	1,780.84	14.55	6.21	102.17	-1,975.02	-5,705.62	6,214.36	6,193.92	20.44	304.042		
2,600.00	2,460.63	1,869.53	1,865.92	15.23	6.57	102.56	-1,968.94	-5,715.07	6,233.91	6,212.48	21.43	290.897		
2,700.00	2,551.92	1,955.35	1,951.00	15.92	6.93	102.95	-1,962.87	-5,724.53	6,253.81	6,231.38	22.43	278.824		
2,800.00	2,643.20	2,041.17	2,036.08	16.61	7.31	103.34	-1,956.79	-5,733.98	6,274.07	6,250.64	23.44	267.716		
2,900.00	2,734.49	2,126.99	2,121.17	17.30	7.69	103.72	-1,950.72	-5,743.43	6,294.69	6,270.24	24.45	257.476		
3,000.00	2,825.77	2,212.81	2,206.25	18.00	8.07	104.10	-1,944.64	-5,752.89	6,315.65	6,290.19	25.46	248.020		
3,100.00	2,917.06	2,301.37	2,291.33	18.69	8.48	104.48	-1,938.57	-5,762.34	6,336.97	6,310.47	26.50	239.163		
3,200.00	3,008.34	2,384.45	2,376.41	19.39	8.86	104.86	-1,932.49	-5,771.80	6,358.62	6,331.11	27.51	231.156		
3,300.00	3,099.63	2,470.27	2,461.49	20.09	9.27	105.24	-1,926.42	-5,781.25	6,380.61	6,352.08	28.53	223.620		
3,400.00	3,190.91	2,556.09	2,546.58	20.79	9.67	105.61	-1,920.34	-5,790.70	6,402.94	6,373.38	29.56	216.606		
3,500.00	3,282.20	2,641.91	2,631.66	21.49	10.08	105.98	-1,914.27	-5,800.16	6,425.60	6,395.02	30.59	210.067		
3,600.00	3,373.48	2,727.74	2,716.74	22.19	10.49	106.35	-1,908.19	-5,809.61	6,448.60	6,416.98	31.62	203.959		
3,700.00	3,464.77	2,813.56	2,801.82	22.89	10.90	106.72	-1,902.12	-5,819.07	6,471.91	6,439.27	32.65	198.245		
3,800.00	3,556.05	2,899.38	2,886.90	23.60	11.32	107.09	-1,896.05	-5,828.52	6,495.55	6,461.88	33.68	192.889		
3,900.00	3,647.34	2,985.20	2,971.99	24.30	11.73	107.45	-1,889.97	-5,837.97	6,519.51	6,484.80	34.70	187.861		
4,000.00	3,738.62	3,071.02	3,057.07	25.00	12.15	107.81	-1,883.90	-5,847.43	6,543.78	6,508.05	35.73	183.135		
4,100.00	3,829.91	3,156.84	3,142.15	25.71	12.57	108.17	-1,877.82	-5,856.88	6,568.36	6,531.60	36.76	178.685		
4,200.00	3,921.19	3,242.66	3,227.23	26.42	12.99	108.53	-1,871.75	-5,866.34	6,593.25	6,555.47	37.79	174.489		
4,300.00	4,012.48	3,328.48	3,312.31	27.12	13.42	108.89	-1,865.67	-5,875.79	6,618.45	6,579.64	38.81	170.528		
4,400.00	4,103.76	3,414.30	3,397.40	27.83	13.84	109.24	-1,859.60	-5,885.25	6,643.95	6,604.11	39.84	166.783		
4,500.00	4,195.05	3,500.12	3,482.48	28.54	14.27	109.59	-1,853.52	-5,894.70	6,669.74	6,628.88	40.86	163.239		
4,600.00	4,286.33	3,585.95	3,567.56	29.24	14.69	109.94	-1,847.45	-5,904.15	6,695.83	6,653.95	41.88	159.880		
4,700.00	4,377.62	3,671.77	3,652.64	29.95	15.12	110.29	-1,841.37	-5,913.61	6,722.21	6,679.31	42.90	156.693		
4,800.00	4,468.90	3,757.59	3,737.73	30.66	15.55	110.63	-1,835.30	-5,923.06	6,748.87	6,704.95	43.92	153.667		
4,900.00	4,560.19	3,843.41	3,822.81	31.37	15.98	110.97	-1,829.22	-5,932.52	6,775.82	6,730.89	44.94	150.789		
5,000.00	4,651.47	3,929.23	3,907.89	32.08	16.41	111.32	-1,823.15	-5,941.97	6,803.05	6,757.10	45.95	148.051		

CC - Min centre 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-14C-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-14C-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				
5,100.00	4,742.76	4,015.05	3,992.97	32.79	16.84	111.65	-1,817.08	-5,951.42	6,830.56	6,783.60	46.96	145.442				
5,200.00	4,834.04	4,100.87	4,078.05	33.50	17.27	111.99	-1,811.00	-5,960.88	6,858.34	6,810.37	47.98	142.955				
5,300.00	4,925.33	4,186.69	4,163.14	34.21	17.70	112.32	-1,804.93	-5,970.33	6,886.40	6,837.41	48.99	140.581				
5,400.00	5,016.61	4,272.51	4,248.22	34.92	18.13	112.66	-1,798.85	-5,979.79	6,914.72	6,864.72	49.99	138.314				
5,500.00	5,107.90	4,358.33	4,333.30	35.63	18.56	112.98	-1,792.78	-5,989.24	6,943.30	6,892.30	51.00	136.146				
5,600.00	5,199.18	4,444.15	4,418.38	36.34	18.99	113.31	-1,786.70	-5,998.70	6,972.14	6,920.14	52.00	134.072				
5,700.00	5,290.46	4,529.98	4,503.46	37.05	19.43	113.64	-1,780.63	-6,008.15	7,001.25	6,948.24	53.01	132.086				
5,800.00	5,381.75	4,615.80	4,588.55	37.76	19.86	113.96	-1,774.55	-6,017.60	7,030.60	6,976.60	54.01	130.184				
5,900.00	5,473.03	4,701.62	4,673.63	38.47	20.29	114.28	-1,768.48	-6,027.06	7,060.21	7,005.21	55.00	128.359				
6,000.00	5,564.32	4,787.44	4,758.71	39.18	20.73	114.60	-1,762.40	-6,036.51	7,090.06	7,034.06	56.00	126.609				
6,100.00	5,655.60	4,873.26	4,843.79	39.90	21.16	114.92	-1,756.33	-6,045.97	7,120.16	7,063.17	56.99	124.928				
6,200.00	5,746.89	4,959.08	4,928.87	40.61	21.59	115.23	-1,750.25	-6,055.42	7,150.51	7,092.52	57.99	123.313				
6,300.00	5,838.17	5,056.16	5,023.17	41.32	25.53	118.14	-1,722.93	-6,097.95	7,169.13	7,105.99	63.15	113.527				
6,400.00	5,929.46	5,947.45	5,914.46	42.03	25.89	118.41	-1,722.93	-6,097.95	7,189.86	7,125.72	64.15	112.083				
6,500.00	6,020.74	6,038.73	6,005.74	42.74	26.25	118.68	-1,722.93	-6,097.95	7,210.76	7,145.62	65.14	110.688				
6,600.00	6,112.03	6,130.02	6,097.03	43.46	26.60	118.94	-1,722.93	-6,097.95	7,231.83	7,165.69	66.14	109.339				
6,700.00	6,203.31	6,221.30	6,188.31	44.17	26.96	119.21	-1,722.93	-6,097.95	7,253.07	7,185.94	67.14	108.034				
6,800.00	6,294.60	6,312.59	6,279.60	44.88	27.32	119.47	-1,722.93	-6,097.95	7,274.48	7,206.35	68.13	106.772				
6,900.00	6,385.88	6,403.87	6,370.88	45.59	27.68	119.73	-1,722.93	-6,097.95	7,296.05	7,226.93	69.12	105.550				
6,927.91	6,411.36	6,429.35	6,396.36	45.79	27.78	119.80	-1,722.93	-6,097.95	7,302.10	7,232.70	69.40	105.216				
6,950.00	6,431.59	6,449.58	6,416.59	45.95	27.86	115.71	-1,722.93	-6,097.95	7,306.52	7,236.90	69.62	104.951				
7,000.00	6,477.77	6,584.14	6,550.48	46.27	28.32	105.62	-1,734.50	-6,097.95	7,313.51	7,243.05	70.46	103.802				
7,050.00	6,524.26	7,050.00	6,640.81	46.56	29.67	94.43	-1,757.34	-6,097.95	7,315.97	7,243.77	72.20	101.336				
7,100.00	6,570.76	6,881.82	6,826.35	46.81	29.05	83.03	-1,841.23	-6,097.93	7,313.85	7,241.82	72.03	101.543				
7,150.00	6,617.00	7,019.74	6,935.64	47.02	29.28	72.26	-1,925.05	-6,097.91	7,307.20	7,234.46	72.73	100.464				
7,200.00	6,662.68	7,139.42	7,016.96	47.20	29.41	62.79	-2,012.69	-6,097.89	7,296.20	7,222.78	73.43	99.367				
7,250.00	6,707.53	7,238.97	7,073.50	47.34	29.51	54.84	-2,094.55	-6,097.88	7,281.12	7,207.05	74.07	98.306				
7,300.00	6,751.28	7,319.95	7,111.33	47.47	29.63	48.33	-2,166.10	-6,097.86	7,262.18	7,187.54	74.63	97.303				
7,350.00	6,793.64	7,385.27	7,136.19	47.57	29.89	43.04	-2,226.48	-6,097.85	7,239.62	7,164.49	75.13	96.358				
7,400.00	6,834.35	7,437.95	7,152.43	47.66	30.21	38.77	-2,276.58	-6,097.84	7,213.66	7,138.10	75.56	95.469				
7,450.00	6,873.18	7,480.58	7,163.01	47.75	30.50	35.29	-2,317.87	-6,097.83	7,184.49	7,108.59	75.90	94.653				
7,500.00	6,909.88	7,515.24	7,169.91	47.83	30.76	32.45	-2,351.84	-6,097.82	7,152.32	7,076.14	76.18	93.883				
7,550.00	6,944.21	7,543.55	7,174.40	47.91	30.98	30.11	-2,379.79	-6,097.82	7,117.36	7,040.94	76.41	93.144				
7,600.00	6,975.98	7,566.73	7,177.30	47.99	31.16	28.19	-2,402.79	-6,097.81	7,079.79	7,003.20	76.59	92.442				
7,650.00	7,004.98	7,585.72	7,179.15	48.09	31.32	26.59	-2,421.69	-6,097.81	7,039.85	6,963.13	76.72	91.765				
7,700.00	7,031.04	7,601.22	7,180.32	48.20	31.44	25.27	-2,437.14	-6,097.80	6,997.75	6,920.93	76.81	91.102				
7,750.00	7,053.99	7,613.77	7,181.03	48.32	31.55	24.18	-2,449.68	-6,097.80	6,953.73	6,876.84	76.89	90.438				
7,800.00	7,073.70	7,623.79	7,181.46	48.46	31.64	23.27	-2,459.69	-6,097.80	6,908.03	6,831.09	76.94	89.781				
7,850.00	7,090.03	7,631.58	7,181.69	48.62	31.70	22.52	-2,467.47	-6,097.80	6,860.93	6,783.95	76.98	89.127				
7,900.00	7,102.90	7,637.37	7,181.82	48.81	31.75	21.89	-2,473.26	-6,097.80	6,812.68	6,735.67	77.00	88.473				
7,950.00	7,112.22	7,641.34	7,181.88	49.02	31.79	21.30	-2,477.22	-6,097.80	6,763.56	6,686.55	77.02	87.820				
8,000.00	7,117.94	7,643.58	7,181.90	49.26	31.81	20.43	-2,479.47	-6,097.80	6,713.88	6,636.85	77.02	87.168				
8,047.82	7,120.00	7,644.17	7,181.91	49.51	31.81	-140.04	-2,480.06	-6,097.80	6,666.09	6,589.07	77.02	86.546				
8,100.00	7,120.42	7,644.01	7,181.91	49.82	31.81	-140.28	-2,479.89	-6,097.80	6,613.92	6,536.89	77.02	85.870				
8,200.00	7,121.24	7,643.69	7,181.91	50.53	31.81	-140.76	-2,479.57	-6,097.80	6,513.92	6,436.89	77.02	84.573				
8,300.00	7,122.05	7,643.37	7,181.90	51.39	31.81	-141.24	-2,479.26	-6,097.80	6,413.92	6,336.90	77.02	83.275				
8,400.00	7,122.86	7,643.05	7,181.90	52.42	31.80	-141.73	-2,478.94	-6,097.80	6,313.92	6,236.90	77.02	81.977				
8,500.00	7,123.68	7,642.73	7,181.90	53.63	31.80	-142.23	-2,478.62	-6,097.80	6,213.92	6,136.90	77.02	80.678				
8,600.00	7,124.49	7,642.42	7,181.89	55.01	31.80	-142.72	-2,478.30	-6,097.80	6,113.92	6,036.90	77.02	79.377				
8,700.00	7,125.30	7,642.10	7,181.89	56.54	31.79	-143.23	-2,477.99	-6,097.80	6,013.92	5,936.90	77.03	78.076				

CC - Min centre 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-14C-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-14C-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		
8,800.00	7,126.12	7,641.78	7,181.88	58.21	31.79	-143.74	-2,477.67	-6,097.80	5,913.92	5,836.89	77.03	76.775		
8,900.00	7,126.93	7,641.47	7,181.88	60.01	31.79	-144.26	-2,477.36	-6,097.80	5,813.92	5,736.89	77.03	75.472		
9,000.00	7,127.75	7,641.16	7,181.88	61.92	31.79	-144.78	-2,477.05	-6,097.80	5,713.92	5,636.89	77.04	74.169		
9,100.00	7,128.56	7,640.84	7,181.87	63.92	31.78	-145.30	-2,476.73	-6,097.80	5,613.93	5,536.88	77.05	72.865		
9,200.00	7,129.37	7,640.53	7,181.87	66.01	31.78	-145.84	-2,476.42	-6,097.80	5,513.93	5,436.87	77.05	71.561		
9,300.00	7,130.19	7,640.22	7,181.86	68.16	31.78	-146.37	-2,476.11	-6,097.80	5,413.93	5,336.87	77.06	70.256		
9,400.00	7,131.00	7,639.91	7,181.86	70.38	31.78	-146.92	-2,475.80	-6,097.80	5,313.93	5,236.86	77.07	68.951		
9,500.00	7,131.81	7,639.60	7,181.86	72.65	31.77	-147.47	-2,475.49	-6,097.80	5,213.93	5,136.85	77.08	67.645		
9,600.00	7,132.63	7,639.29	7,181.85	74.97	31.77	-148.02	-2,475.18	-6,097.80	5,113.93	5,036.84	77.09	66.339		
9,700.00	7,133.44	7,638.98	7,181.85	77.33	31.77	-148.58	-2,474.87	-6,097.80	5,013.93	4,936.83	77.10	65.032		
9,800.00	7,134.25	7,638.67	7,181.84	79.72	31.76	-149.15	-2,474.56	-6,097.80	4,913.94	4,836.82	77.11	63.725		
9,900.00	7,135.07	7,638.37	7,181.84	82.16	31.76	-149.72	-2,474.26	-6,097.80	4,813.94	4,736.81	77.12	62.418		
10,000.00	7,135.88	7,638.06	7,181.83	84.62	31.76	-150.30	-2,473.95	-6,097.80	4,713.94	4,636.80	77.14	61.111		
10,100.00	7,136.70	7,637.76	7,181.83	87.11	31.76	-150.88	-2,473.64	-6,097.80	4,613.94	4,536.79	77.15	59.803		
10,200.00	7,137.51	7,637.45	7,181.82	89.62	31.75	-151.47	-2,473.34	-6,097.80	4,513.94	4,436.77	77.17	58.495		
10,300.00	7,138.32	7,637.15	7,181.81	92.16	31.75	-152.06	-2,473.04	-6,097.80	4,413.94	4,336.76	77.18	57.187		
10,400.00	7,139.14	7,636.84	7,181.81	94.71	31.75	-152.66	-2,472.73	-6,097.80	4,313.94	4,236.74	77.20	55.879		
10,500.00	7,139.95	7,636.54	7,181.80	97.29	31.75	-153.26	-2,472.43	-6,097.80	4,213.95	4,136.73	77.22	54.571		
10,600.00	7,140.76	7,636.24	7,181.80	99.88	31.74	-153.87	-2,472.13	-6,097.80	4,113.95	4,036.71	77.24	53.263		
10,700.00	7,141.58	7,635.94	7,181.79	102.48	31.74	-154.48	-2,471.83	-6,097.80	4,013.95	3,936.69	77.26	51.955		
10,800.00	7,142.39	7,635.64	7,181.79	105.10	31.74	-155.10	-2,471.53	-6,097.80	3,913.95	3,836.67	77.28	50.648		
10,900.00	7,143.20	7,635.34	7,181.78	107.74	31.74	-155.73	-2,471.23	-6,097.80	3,813.95	3,736.65	77.30	49.340		
11,000.00	7,144.02	7,635.04	7,181.77	110.38	31.73	-156.36	-2,470.93	-6,097.80	3,713.96	3,636.63	77.32	48.032		
11,100.00	7,144.83	7,634.74	7,181.77	113.04	31.73	-156.99	-2,470.63	-6,097.80	3,613.96	3,536.61	77.35	46.725		
11,200.00	7,145.65	7,634.44	7,181.76	115.71	31.73	-157.63	-2,470.33	-6,097.80	3,513.96	3,436.59	77.37	45.418		
11,300.00	7,146.46	7,634.14	7,181.75	118.38	31.73	-158.27	-2,470.03	-6,097.80	3,413.96	3,336.57	77.39	44.111		
11,400.00	7,147.27	7,633.85	7,181.75	121.07	31.72	-158.92	-2,469.74	-6,097.80	3,313.97	3,236.54	77.42	42.804		
11,500.00	7,148.09	7,633.55	7,181.74	123.76	31.72	-159.58	-2,469.44	-6,097.80	3,213.97	3,136.52	77.45	41.498		
11,600.00	7,148.90	7,633.26	7,181.73	126.46	31.72	-160.23	-2,469.15	-6,097.80	3,113.97	3,036.50	77.48	40.193		
11,700.00	7,149.71	7,632.96	7,181.73	129.17	31.72	-160.89	-2,468.85	-6,097.80	3,013.97	2,936.47	77.51	38.887		
11,800.00	7,150.53	7,632.67	7,181.72	131.89	31.71	-161.56	-2,468.56	-6,097.80	2,913.98	2,836.44	77.54	37.583		
11,900.00	7,151.34	7,632.37	7,181.71	134.61	31.71	-162.23	-2,468.26	-6,097.80	2,813.98	2,736.41	77.57	36.278		
12,000.00	7,152.16	7,632.08	7,181.71	137.34	31.71	-162.90	-2,467.97	-6,097.80	2,713.98	2,636.39	77.60	34.975		
12,100.00	7,152.97	7,631.79	7,181.70	140.07	31.71	-163.58	-2,467.68	-6,097.80	2,613.99	2,536.36	77.63	33.672		
12,200.00	7,153.78	7,631.50	7,181.69	142.81	31.70	-164.26	-2,467.39	-6,097.80	2,513.99	2,436.33	77.67	32.369		
12,300.00	7,154.60	7,631.21	7,181.68	145.55	31.70	-164.94	-2,467.10	-6,097.80	2,414.00	2,336.30	77.70	31.068		
12,400.00	7,155.41	7,630.92	7,181.68	148.30	31.70	-165.63	-2,466.81	-6,097.80	2,314.00	2,236.26	77.74	29.767		
12,500.00	7,156.22	7,630.63	7,181.67	151.05	31.70	-166.32	-2,466.52	-6,097.80	2,214.01	2,136.23	77.78	28.466		
12,600.00	7,157.04	7,630.34	7,181.66	153.80	31.69	-167.01	-2,466.23	-6,097.80	2,114.01	2,036.20	77.82	27.167		
12,700.00	7,157.85	7,630.05	7,181.65	156.56	31.69	-167.71	-2,465.94	-6,097.80	2,014.02	1,936.16	77.86	25.869		
12,800.00	7,158.66	7,629.77	7,181.65	159.33	31.69	-168.41	-2,465.66	-6,097.80	1,914.03	1,836.13	77.90	24.571		
12,900.00	7,159.48	7,629.48	7,181.64	162.09	31.69	-169.11	-2,465.37	-6,097.80	1,814.03	1,736.09	77.94	23.274		
13,000.00	7,160.29	7,629.19	7,181.63	164.86	31.68	-169.81	-2,465.08	-6,097.80	1,714.04	1,636.05	77.99	21.978		
13,100.00	7,161.11	7,628.91	7,181.62	167.64	31.68	-170.52	-2,464.80	-6,097.80	1,614.05	1,536.02	78.03	20.684		
13,209.97	7,162.00	7,628.60	7,181.61	170.69	31.68	-171.29	-2,464.49	-6,097.80	1,504.09	1,426.00	78.09	19.261		
13,210.89	7,162.01	7,628.59	7,181.61	170.72	31.68	-171.30	-2,464.48	-6,097.80	1,503.18	1,425.09	78.09	19.249 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 - Harvesters Resources #15R-403(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 800-MWD														
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	15.00	-15.00	3.28	3.28	-109.39	-2,003.03	-5,692.60	6,034.72					
100.00	100.00	85.00	85.00	3.28	3.29	-109.39	-2,003.03	-5,692.60	6,034.72	6,028.15	6.57	918.526		
200.00	200.00	185.00	185.00	3.34	3.31	-109.39	-2,003.03	-5,692.60	6,034.72	6,028.08	6.64	908.561		
300.00	299.98	284.98	284.98	3.44	3.34	98.95	-2,003.03	-5,692.60	6,034.99	6,028.21	6.78	890.274		
400.00	399.84	384.84	384.84	3.59	3.39	98.98	-2,003.03	-5,692.60	6,035.81	6,028.83	6.98	865.155		
500.00	499.45	484.45	484.45	3.79	3.45	99.03	-2,003.03	-5,692.60	6,037.18	6,029.94	7.24	834.303		
600.00	598.70	583.70	583.70	4.04	3.52	99.11	-2,003.03	-5,692.60	6,039.11	6,031.56	7.55	799.551		
700.00	697.47	682.47	682.47	4.32	3.61	99.20	-2,003.03	-5,692.60	6,041.63	6,033.71	7.92	762.523		
800.00	795.62	780.62	780.62	4.64	3.70	99.32	-2,003.03	-5,692.60	6,044.76	6,036.42	8.34	724.527		
900.00	893.06	878.06	878.06	5.01	3.80	99.45	-2,003.03	-5,692.60	6,048.52	6,039.71	8.81	686.551		
1,000.00	989.64	866.20	866.20	5.41	3.86	99.32	-2,002.76	-5,693.31	6,054.51	6,045.24	9.27	653.072		
1,100.00	1,085.27	900.00	899.98	5.85	3.94	99.27	-2,002.41	-5,694.23	6,061.83	6,052.04	9.79	619.322		
1,200.00	1,179.82	937.36	937.30	6.33	4.04	99.22	-2,001.86	-5,695.68	6,070.79	6,060.44	10.35	586.300		
1,300.00	1,273.17	971.82	971.72	6.84	4.12	99.13	-2,001.20	-5,697.41	6,081.41	6,070.46	10.95	555.131		
1,404.90	1,369.69	1,000.00	999.84	7.43	4.20	98.99	-2,000.55	-5,699.12	6,094.35	6,082.74	11.61	525.011		
1,500.00	1,456.50	1,038.41	1,038.14	8.00	4.31	99.15	-1,999.51	-5,701.87	6,107.40	6,095.14	12.27	497.889		
1,600.00	1,547.79	1,071.07	1,070.66	8.61	4.40	99.29	-1,998.47	-5,704.58	6,122.24	6,109.29	12.95	472.591		
1,700.00	1,639.07	1,100.00	1,099.45	9.23	4.49	99.41	-1,997.45	-5,707.27	6,138.21	6,124.56	13.64	449.853		
1,800.00	1,730.36	1,135.38	1,134.61	9.87	4.61	99.57	-1,996.06	-5,710.93	6,155.30	6,140.93	14.37	428.423		
1,900.00	1,821.64	1,167.03	1,166.03	10.52	4.71	99.71	-1,994.68	-5,714.54	6,173.51	6,158.43	15.09	409.224		
2,000.00	1,912.93	1,200.00	1,198.70	11.18	4.82	99.86	-1,993.11	-5,718.66	6,192.85	6,177.04	15.81	391.595		
2,100.00	2,004.21	1,229.32	1,227.71	11.84	4.93	99.99	-1,991.61	-5,722.61	6,213.30	6,196.77	16.54	375.751		
2,200.00	2,095.50	1,308.86	1,288.80	12.51	5.22	100.27	-1,988.24	-5,731.47	6,234.75	6,217.31	17.44	357.452		
2,300.00	2,186.78	1,376.58	1,373.23	13.19	5.49	100.66	-1,983.56	-5,743.76	6,256.63	6,238.30	18.33	341.422		
2,400.00	2,278.06	1,462.02	1,457.65	13.86	5.85	101.05	-1,978.88	-5,756.05	6,278.85	6,259.57	19.29	325.529		
2,500.00	2,369.35	1,547.47	1,542.08	14.55	6.21	101.43	-1,974.20	-5,768.33	6,301.43	6,281.17	20.26	310.980		
2,600.00	2,460.63	1,632.91	1,626.51	15.23	6.59	101.81	-1,969.52	-5,780.62	6,324.36	6,303.11	21.25	297.641		
2,700.00	2,551.92	1,718.36	1,710.93	15.92	6.99	102.19	-1,964.85	-5,792.91	6,347.62	6,325.38	22.24	285.394		
2,800.00	2,643.20	1,803.80	1,795.36	16.61	7.38	102.57	-1,960.17	-5,805.20	6,371.23	6,347.99	23.24	274.128		
2,900.00	2,734.49	1,889.25	1,879.78	17.30	7.79	102.94	-1,955.49	-5,817.49	6,395.17	6,370.92	24.25	263.747		
3,000.00	2,825.77	1,974.69	1,964.21	18.00	8.20	103.32	-1,950.81	-5,829.77	6,419.44	6,394.18	25.26	254.162		
3,100.00	2,917.06	2,060.13	2,048.64	18.69	8.62	103.69	-1,946.13	-5,842.06	6,444.04	6,417.77	26.27	245.295		
3,200.00	3,008.34	2,145.58	2,133.06	19.39	9.04	104.06	-1,941.45	-5,854.35	6,468.96	6,441.68	27.29	237.075		
3,300.00	3,099.63	2,231.02	2,217.49	20.09	9.47	104.42	-1,936.78	-5,866.64	6,494.21	6,465.90	28.30	229.441		
3,400.00	3,190.91	2,316.47	2,301.92	20.79	9.90	104.79	-1,932.10	-5,878.93	6,519.76	6,490.44	29.32	222.336		
3,500.00	3,282.20	2,401.91	2,386.34	21.49	10.33	105.15	-1,927.42	-5,891.21	6,545.64	6,515.29	30.34	215.713		
3,600.00	3,373.48	2,487.35	2,470.77	22.19	10.77	105.51	-1,922.74	-5,903.50	6,571.82	6,540.45	31.37	209.526		
3,700.00	3,464.77	2,572.80	2,555.20	22.89	11.21	105.86	-1,918.06	-5,915.79	6,598.30	6,565.92	32.39	203.737		
3,800.00	3,556.05	2,658.24	2,639.62	23.60	11.65	106.22	-1,913.39	-5,928.08	6,625.09	6,591.68	33.41	198.312		
3,900.00	3,647.34	2,743.69	2,724.05	24.30	12.09	106.57	-1,908.71	-5,940.37	6,652.18	6,617.75	34.43	193.218		
4,000.00	3,738.62	2,829.13	2,808.47	25.00	12.53	106.92	-1,904.03	-5,952.65	6,679.56	6,644.11	35.45	188.430		
4,100.00	3,829.91	2,914.57	2,892.90	25.71	12.98	107.27	-1,899.35	-5,964.94	6,707.23	6,670.76	36.47	183.920		
4,200.00	3,921.19	3,000.02	2,977.33	26.42	13.42	107.62	-1,894.67	-5,977.23	6,735.18	6,697.70	37.49	179.668		
4,300.00	4,012.48	3,085.46	3,061.75	27.12	13.87	107.96	-1,889.99	-5,989.52	6,763.42	6,724.92	38.50	175.653		
4,400.00	4,103.76	3,170.91	3,146.18	27.83	14.32	108.30	-1,885.32	-6,001.81	6,791.95	6,752.42	39.52	171.856		
4,500.00	4,195.05	3,256.35	3,230.61	28.54	14.77	108.64	-1,880.64	-6,014.09	6,820.74	6,780.21	40.54	168.262		
4,600.00	4,286.33	3,341.79	3,315.03	29.24	15.22	108.98	-1,875.96	-6,026.38	6,849.81	6,808.26	41.55	164.855		
4,700.00	4,377.62	3,427.24	3,399.46	29.95	15.67	109.31	-1,871.28	-6,038.67	6,879.15	6,836.59	42.56	161.622		
4,800.00	4,468.90	3,512.68	3,483.89	30.66	16.12	109.65	-1,866.60	-6,050.96	6,908.76	6,865.19	43.57	158.550		
4,900.00	4,560.19	3,598.13	3,568.31	31.37	16.58	109.98	-1,861.93	-6,063.25	6,938.63	6,894.04	44.58	155.630		
5,000.00	4,651.47	3,683.57	3,652.74	32.08	17.03	110.30	-1,857.25	-6,075.53	6,968.76	6,923.16	45.59	152.849		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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					
5,100.00	4,742.76	3,769.01	3,737.16	32.79	17.48	110.63	-1,852.57	-6,087.82	6,999.14	6,952.54	46.60	150.199					
5,200.00	4,834.04	3,854.46	3,821.59	33.50	17.94	110.95	-1,847.89	-6,100.11	7,029.78	6,982.17	47.60	147.672					
5,300.00	4,925.33	3,939.90	3,906.02	34.21	18.39	111.27	-1,843.21	-6,112.40	7,060.66	7,012.06	48.61	145.259					
5,400.00	5,016.61	4,025.35	3,990.44	34.92	18.85	111.59	-1,838.54	-6,124.68	7,091.80	7,042.19	49.61	142.953					
5,500.00	5,107.90	4,110.79	4,074.87	35.63	19.30	111.91	-1,833.86	-6,136.97	7,123.17	7,072.56	50.61	140.749					
5,600.00	5,199.18	4,203.77	4,159.30	36.34	19.80	112.22	-1,829.18	-6,149.26	7,154.79	7,103.14	51.64	138.546					
5,700.00	5,290.46	4,281.68	4,243.72	37.05	20.22	112.53	-1,824.50	-6,161.55	7,186.64	7,134.03	52.60	136.617					
5,800.00	5,381.75	4,367.12	4,328.15	37.76	20.67	112.84	-1,819.82	-6,173.84	7,218.72	7,165.12	53.60	134.679					
5,900.00	5,473.03	4,452.57	4,412.57	38.47	21.13	113.15	-1,815.14	-6,186.12	7,251.04	7,196.45	54.59	132.821					
6,000.00	5,564.32	4,538.01	4,497.00	39.18	21.59	113.46	-1,810.47	-6,198.41	7,283.58	7,228.00	55.58	131.037					
6,100.00	5,655.60	4,623.46	4,581.43	39.90	22.05	113.76	-1,805.79	-6,210.70	7,316.35	7,259.77	56.57	129.323					
6,200.00	5,746.89	4,708.90	4,665.85	40.61	22.51	114.06	-1,801.11	-6,222.99	7,349.33	7,291.77	57.56	127.676					
6,300.00	5,838.17	4,805.66	4,750.28	41.32	23.02	114.36	-1,796.43	-6,235.28	7,382.54	7,323.94	58.60	125.979					
6,400.00	5,929.46	4,879.79	4,834.71	42.03	23.42	114.65	-1,791.75	-6,247.56	7,415.96	7,356.43	59.53	124.566					
6,500.00	6,020.74	4,965.23	4,919.13	42.74	23.88	114.95	-1,787.08	-6,259.85	7,449.60	7,389.08	60.52	123.098					
6,600.00	6,112.03	5,050.68	5,003.56	43.46	24.34	115.24	-1,782.40	-6,272.14	7,483.44	7,421.94	61.50	121.683					
6,700.00	6,203.31	5,136.12	5,087.99	44.17	24.80	115.53	-1,777.72	-6,284.43	7,517.49	7,455.01	62.48	120.319					
6,800.00	6,294.60	5,221.56	5,172.41	44.88	25.26	115.82	-1,773.04	-6,296.72	7,551.74	7,488.28	63.46	119.003					
6,900.00	6,385.88	5,307.01	5,256.84	45.59	25.72	116.10	-1,768.36	-6,309.00	7,586.20	7,521.76	64.44	117.734					
6,927.91	6,411.36	5,330.85	5,280.40	45.79	25.85	116.18	-1,767.06	-6,312.43	7,595.85	7,531.14	64.71	117.387					
6,950.00	6,431.59	5,349.85	5,299.17	45.95	25.95	112.12	-1,766.02	-6,315.17	7,603.14	7,538.22	64.92	117.113					
7,000.00	6,477.77	5,393.62	5,342.41	46.27	26.19	101.93	-1,763.62	-6,321.46	7,616.97	7,551.58	65.40	116.473					
7,050.00	6,524.26	5,438.24	5,386.51	46.56	26.43	90.80	-1,761.18	-6,327.88	7,627.05	7,561.20	65.85	115.817					
7,100.00	6,570.76	5,483.45	5,431.18	46.81	26.67	79.60	-1,758.70	-6,334.38	7,633.31	7,567.02	66.29	115.155					
7,150.00	6,617.00	5,528.97	5,476.16	47.02	26.91	69.23	-1,756.21	-6,340.93	7,635.71	7,569.03	66.69	114.498					
7,200.00	6,662.68	7,090.50	6,987.66	47.20	32.96	63.33	-1,905.31	-6,428.54	7,629.69	7,555.29	74.39	102.559					
7,250.00	6,707.53	7,250.00	7,048.30	47.34	33.17	55.59	-1,964.78	-6,428.54	7,614.94	7,539.84	75.10	101.395					
7,300.00	6,751.28	7,335.20	7,145.54	47.47	33.24	48.89	-2,090.90	-6,428.52	7,596.17	7,520.46	75.71	100.334					
7,350.00	6,793.64	7,350.00	7,166.72	47.57	33.26	43.81	-2,130.40	-6,428.52	7,573.59	7,497.71	75.89	99.800					
7,400.00	6,834.35	7,491.97	7,212.51	47.66	33.48	39.26	-2,232.35	-6,428.51	7,547.54	7,470.78	76.75	98.336					
7,450.00	6,873.18	7,546.65	7,228.86	47.75	33.62	35.75	-2,284.51	-6,428.50	7,518.20	7,441.04	77.17	97.430					
7,500.00	6,909.88	7,590.13	7,239.17	47.83	33.76	32.89	-2,326.74	-6,428.50	7,485.83	7,408.34	77.49	96.608					
7,550.00	6,944.21	7,624.92	7,245.69	47.91	33.90	30.55	-2,360.91	-6,428.50	7,450.64	7,372.89	77.75	95.827					
7,600.00	6,975.98	7,652.90	7,249.79	47.99	34.04	28.63	-2,388.59	-6,428.49	7,412.85	7,334.89	77.96	95.088					
7,650.00	7,004.98	7,675.48	7,252.36	48.09	34.16	27.05	-2,411.02	-6,428.49	7,372.69	7,294.57	78.11	94.385					
7,700.00	7,031.04	7,686.71	7,253.55	48.20	34.22	25.86	-2,422.19	-6,428.49	7,330.38	7,252.20	78.18	93.763					
7,750.00	7,053.99	7,702.19	7,254.71	48.32	34.31	24.90	-2,433.23	-6,428.49	7,286.19	7,207.91	78.28	93.084					
7,800.00	7,073.70	7,707.29	7,255.70	48.46	34.34	24.16	-2,442.65	-6,428.49	7,240.34	7,162.05	78.29	92.478					
7,850.00	7,090.03	7,715.09	7,256.51	48.62	34.39	23.66	-2,450.41	-6,428.49	7,193.10	7,114.77	78.33	91.829					
7,900.00	7,102.90	7,721.17	7,257.15	48.81	34.43	23.43	-2,456.46	-6,428.49	7,144.74	7,066.39	78.36	91.179					
7,950.00	7,112.22	7,725.49	7,257.60	49.02	34.46	23.68	-2,460.75	-6,428.49	7,095.56	7,017.18	78.38	90.530					
8,000.00	7,117.94	7,728.02	7,257.86	49.26	34.47	25.71	-2,463.27	-6,428.49	7,045.82	6,967.44	78.39	89.884					
8,047.82	7,120.00	7,728.75	7,257.94	49.51	34.48	-177.71	-2,464.00	-6,428.49	6,998.03	6,919.64	78.39	89.270					
8,100.00	7,120.42	7,728.65	7,257.93	49.82	34.48	-177.77	-2,463.90	-6,428.49	6,945.85	6,867.46	78.39	88.605					
8,200.00	7,121.24	7,728.45	7,257.91	50.53	34.48	-177.88	-2,463.70	-6,428.49	6,845.86	6,767.47	78.39	87.329					
8,300.00	7,122.05	7,728.25	7,257.89	51.39	34.47	-178.00	-2,463.50	-6,428.49	6,745.87	6,667.48	78.39	86.051					
8,400.00	7,122.86	7,728.05	7,257.87	52.42	34.47	-178.12	-2,463.30	-6,428.49	6,645.88	6,567.49	78.40	84.773					
8,500.00	7,123.68	7,727.85	7,257.85	53.63	34.47	-178.23	-2,463.11	-6,428.49	6,545.90	6,467.50	78.40	83.495					
8,600.00	7,124.49	7,727.66	7,257.83	55.01	34.47	-178.35	-2,462.91	-6,428.49	6,445.91	6,367.50	78.40	82.215					
8,700.00	7,125.30	7,727.46	7,257.81	56.54	34.47	-178.47	-2,462.71	-6,428.49	6,345.92	6,267.51	78.41	80.934					

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-14C-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-14C-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		
8,800.00	7,126.12	7,727.26	7,257.79	58.21	34.47	-178.59	-2,462.52	-6,428.49	6,245.93	6,167.51	78.41	79.653		
8,900.00	7,126.93	7,727.06	7,257.76	60.01	34.47	-178.70	-2,462.32	-6,428.49	6,145.94	6,067.52	78.42	78.371		
9,000.00	7,127.75	7,726.86	7,257.74	61.92	34.47	-178.82	-2,462.12	-6,428.49	6,045.95	5,967.52	78.43	77.089		
9,100.00	7,128.56	7,726.66	7,257.72	63.92	34.46	-178.94	-2,461.93	-6,428.49	5,945.97	5,867.53	78.44	75.806		
9,200.00	7,129.37	7,726.47	7,257.70	66.01	34.46	-179.06	-2,461.73	-6,428.49	5,845.98	5,767.53	78.45	74.522		
9,300.00	7,130.19	7,726.27	7,257.68	68.16	34.46	-179.17	-2,461.53	-6,428.49	5,745.99	5,667.54	78.46	73.238		
9,400.00	7,131.00	7,726.07	7,257.66	70.38	34.46	-179.29	-2,461.33	-6,428.49	5,646.01	5,567.54	78.47	71.953		
9,500.00	7,131.81	7,725.87	7,257.64	72.65	34.46	-179.41	-2,461.14	-6,428.49	5,546.02	5,467.54	78.48	70.668		
9,600.00	7,132.63	7,725.67	7,257.62	74.97	34.46	-179.53	-2,460.94	-6,428.49	5,446.04	5,367.54	78.49	69.383		
9,700.00	7,133.44	7,725.48	7,257.60	77.33	34.46	-179.65	-2,460.74	-6,428.49	5,346.05	5,267.55	78.51	68.097		
9,800.00	7,134.25	7,725.28	7,257.58	79.72	34.46	-179.76	-2,460.55	-6,428.49	5,246.07	5,167.55	78.52	66.811		
9,900.00	7,135.07	7,725.08	7,257.56	82.16	34.45	-179.88	-2,460.35	-6,428.49	5,146.09	5,067.55	78.54	65.524		
10,000.00	7,135.88	7,724.88	7,257.54	84.62	34.45	-180.00	-2,460.15	-6,428.49	5,046.10	4,967.55	78.55	64.237		
10,100.00	7,136.70	7,724.68	7,257.52	87.11	34.45	-179.88	-2,459.96	-6,428.49	4,946.12	4,867.55	78.57	62.950		
10,200.00	7,137.51	7,724.49	7,257.50	89.62	34.45	-179.76	-2,459.76	-6,428.49	4,846.14	4,767.55	78.59	61.663		
10,300.00	7,138.32	7,724.29	7,257.47	92.16	34.45	-179.65	-2,459.56	-6,428.49	4,746.16	4,667.55	78.61	60.376		
10,400.00	7,139.14	7,724.09	7,257.45	94.71	34.45	-179.53	-2,459.36	-6,428.49	4,646.18	4,567.55	78.63	59.089		
10,500.00	7,139.95	7,723.89	7,257.43	97.29	34.45	-179.41	-2,459.17	-6,428.49	4,546.20	4,467.55	78.65	57.801		
10,600.00	7,140.76	7,723.69	7,257.41	99.88	34.45	-179.29	-2,458.97	-6,428.49	4,446.23	4,367.55	78.68	56.514		
10,700.00	7,141.58	7,723.49	7,257.39	102.48	34.44	-179.17	-2,458.77	-6,428.49	4,346.25	4,267.55	78.70	55.226		
10,800.00	7,142.39	7,723.30	7,257.37	105.10	34.44	-179.05	-2,458.58	-6,428.49	4,246.27	4,167.55	78.72	53.939		
10,900.00	7,143.20	7,723.10	7,257.35	107.74	34.44	-178.94	-2,458.38	-6,428.49	4,146.30	4,067.55	78.75	52.652		
11,000.00	7,144.02	7,722.90	7,257.33	110.38	34.44	-178.82	-2,458.18	-6,428.49	4,046.33	3,967.55	78.78	51.365		
11,100.00	7,144.83	7,722.70	7,257.31	113.04	34.44	-178.70	-2,457.98	-6,428.49	3,946.36	3,867.55	78.80	50.078		
11,200.00	7,145.65	7,722.50	7,257.29	115.71	34.44	-178.58	-2,457.79	-6,428.49	3,846.39	3,767.55	78.83	48.791		
11,300.00	7,146.46	7,722.31	7,257.27	118.38	34.44	-178.46	-2,457.59	-6,428.49	3,746.42	3,667.55	78.86	47.505		
11,400.00	7,147.27	7,722.11	7,257.25	121.07	34.44	-178.34	-2,457.39	-6,428.49	3,646.45	3,567.56	78.90	46.219		
11,500.00	7,148.09	7,721.91	7,257.23	123.76	34.43	-178.22	-2,457.20	-6,428.49	3,546.49	3,467.56	78.93	44.933		
11,600.00	7,148.90	7,721.71	7,257.21	126.46	34.43	-178.11	-2,457.00	-6,428.49	3,446.52	3,367.56	78.96	43.648		
11,700.00	7,149.71	7,721.51	7,257.18	129.17	34.43	-177.99	-2,456.80	-6,428.49	3,346.56	3,267.56	79.00	42.363		
11,800.00	7,150.53	7,721.32	7,257.16	131.89	34.43	-177.87	-2,456.61	-6,428.49	3,246.60	3,167.57	79.03	41.079		
11,900.00	7,151.34	7,721.12	7,257.14	134.61	34.43	-177.75	-2,456.41	-6,428.49	3,146.65	3,067.58	79.07	39.795		
12,000.00	7,152.16	7,720.92	7,257.12	137.34	34.43	-177.63	-2,456.21	-6,428.49	3,046.70	2,967.58	79.11	38.512		
12,100.00	7,152.97	7,720.72	7,257.10	140.07	34.43	-177.51	-2,456.01	-6,428.49	2,946.75	2,867.59	79.15	37.229		
12,200.00	7,153.78	7,720.52	7,257.08	142.81	34.42	-177.39	-2,455.82	-6,428.49	2,846.80	2,767.60	79.20	35.947		
12,300.00	7,154.60	7,720.32	7,257.06	145.55	34.42	-177.27	-2,455.62	-6,428.49	2,746.86	2,667.62	79.24	34.665		
12,400.00	7,155.41	7,720.13	7,257.04	148.30	34.42	-177.15	-2,455.42	-6,428.49	2,646.92	2,567.63	79.29	33.384		
12,500.00	7,156.22	7,719.93	7,257.02	151.05	34.42	-177.03	-2,455.23	-6,428.49	2,546.99	2,467.65	79.33	32.104		
12,600.00	7,157.04	7,719.73	7,257.00	153.80	34.42	-176.92	-2,455.03	-6,428.49	2,447.06	2,367.68	79.39	30.825		
12,700.00	7,157.85	7,719.53	7,256.98	156.56	34.42	-176.80	-2,454.83	-6,428.49	2,347.14	2,267.70	79.44	29.547		
12,800.00	7,158.66	7,719.33	7,256.96	159.33	34.42	-176.68	-2,454.63	-6,428.49	2,247.23	2,167.73	79.49	28.269		
12,900.00	7,159.48	7,719.14	7,256.94	162.09	34.42	-176.56	-2,454.44	-6,428.49	2,147.32	2,067.77	79.55	26.992		
13,000.00	7,160.29	7,718.94	7,256.92	164.86	34.41	-176.44	-2,454.24	-6,428.49	2,047.42	1,967.81	79.62	25.716		
13,100.00	7,161.11	7,718.74	7,256.89	167.64	34.41	-176.32	-2,454.04	-6,428.49	1,947.54	1,867.86	79.68	24.442		
13,209.97	7,162.00	7,718.52	7,256.87	170.69	34.41	-176.19	-2,453.83	-6,428.49	1,837.71	1,757.95	79.76	23.041		
13,210.89	7,162.01	7,718.52	7,256.87	170.72	34.41	-176.19	-2,453.83	-6,428.49	1,836.79	1,757.03	79.76	23.029 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-109.68	-2,003.05	-5,600.82	5,948.23					
100.00	100.00	85.00	85.00	3.28	3.29	-109.68	-2,003.05	-5,600.82	5,948.23	5,941.66	6.57	905.361		
200.00	200.00	185.00	185.00	3.34	3.31	-109.68	-2,003.05	-5,600.82	5,948.23	5,941.58	6.64	895.538		
300.00	299.98	284.98	284.98	3.44	3.34	98.65	-2,003.05	-5,600.82	5,948.49	5,941.71	6.78	877.512		
400.00	399.84	384.84	384.84	3.59	3.39	98.69	-2,003.05	-5,600.82	5,949.28	5,942.30	6.98	852.751		
500.00	499.45	484.45	484.45	3.79	3.45	98.74	-2,003.05	-5,600.82	5,950.60	5,943.37	7.24	822.337		
600.00	598.70	583.70	583.70	4.04	3.52	98.82	-2,003.05	-5,600.82	5,952.48	5,944.93	7.55	788.079		
700.00	697.47	682.47	682.47	4.32	3.61	98.92	-2,003.05	-5,600.82	5,954.92	5,947.00	7.92	751.575		
800.00	795.62	780.62	780.62	4.64	3.70	99.04	-2,003.05	-5,600.82	5,957.95	5,949.61	8.34	714.117		
900.00	893.06	878.06	878.06	5.01	3.80	99.17	-2,003.05	-5,600.82	5,961.61	5,952.79	8.81	676.678		
1,000.00	989.64	1,588.78	1,588.27	5.41	4.94	100.95	-1,997.38	-5,593.16	5,988.36	5,978.02	10.34	578.996		
1,100.00	1,085.27	1,683.41	1,682.34	5.85	5.25	101.34	-1,991.32	-5,584.97	5,983.56	5,972.47	11.09	539.598		
1,200.00	1,179.82	1,776.90	1,775.30	6.33	5.59	101.73	-1,985.33	-5,576.88	5,979.63	5,967.74	11.89	503.088		
1,300.00	1,273.17	1,869.17	1,867.02	6.84	5.94	102.13	-1,979.42	-5,568.90	5,976.64	5,963.91	12.73	469.561		
1,404.90	1,369.69	1,964.49	1,961.80	7.43	6.31	102.55	-1,973.31	-5,560.66	5,974.58	5,960.91	13.67	437.204		
1,500.00	1,456.50	2,050.21	2,047.01	8.00	6.66	102.91	-1,967.82	-5,553.24	5,973.38	5,958.83	14.55	410.548		
1,600.00	1,547.79	2,140.33	2,136.62	8.61	7.03	103.28	-1,962.05	-5,545.45	5,972.42	5,956.91	15.50	385.201		
1,700.00	1,639.07	2,230.46	2,226.22	9.23	7.41	103.66	-1,956.28	-5,537.65	5,971.78	5,955.29	16.48	362.360		
1,800.00	1,730.36	2,320.59	2,315.82	9.87	7.80	104.03	-1,950.51	-5,529.85	5,971.45	5,953.97	17.47	341.758		
1,854.86	1,780.43	2,370.03	2,364.98	10.23	8.01	104.24	-1,947.34	-5,525.57	5,971.40	5,953.37	18.02	331.307		
1,900.00	1,821.64	2,410.72	2,405.43	10.52	8.19	104.40	-1,944.73	-5,522.06	5,971.43	5,952.95	18.48	323.144		
2,000.00	1,912.93	2,500.85	2,495.03	11.18	8.59	104.78	-1,938.96	-5,514.26	5,971.73	5,952.23	19.50	306.286		
2,100.00	2,004.21	2,609.03	2,584.64	11.84	9.07	105.15	-1,933.19	-5,506.46	5,972.34	5,951.74	20.60	289.919		
2,200.00	2,095.50	2,681.10	2,674.24	12.51	9.39	105.53	-1,927.42	-5,498.67	5,973.27	5,951.71	21.56	277.041		
2,300.00	2,186.78	2,771.23	2,763.85	13.19	9.80	105.90	-1,921.64	-5,490.87	5,974.51	5,951.91	22.60	264.316		
2,400.00	2,278.06	2,861.36	2,853.45	13.86	10.21	106.28	-1,915.87	-5,483.07	5,976.07	5,952.41	23.65	252.664		
2,500.00	2,369.35	2,951.49	2,943.06	14.55	10.62	106.65	-1,910.10	-5,475.28	5,977.94	5,953.23	24.71	241.965		
2,600.00	2,460.63	3,041.61	3,032.66	15.23	11.04	107.02	-1,904.33	-5,467.48	5,980.12	5,954.35	25.76	232.117		
2,700.00	2,551.92	3,131.74	3,122.26	15.92	11.45	107.40	-1,898.55	-5,459.68	5,982.61	5,955.79	26.82	223.027		
2,800.00	2,643.20	3,221.87	3,211.87	16.61	11.87	107.77	-1,892.78	-5,451.89	5,985.42	5,957.53	27.89	214.618		
2,900.00	2,734.49	3,312.00	3,301.47	17.30	12.29	108.14	-1,887.01	-5,444.09	5,988.54	5,959.59	28.96	206.819		
3,000.00	2,825.77	3,402.13	3,391.08	18.00	12.71	108.52	-1,881.24	-5,436.29	5,991.97	5,961.95	30.02	199.572		
3,100.00	2,917.06	3,507.75	3,480.68	18.69	13.21	108.89	-1,875.46	-5,428.50	5,995.71	5,964.55	31.16	192.402		
3,200.00	3,008.34	3,582.38	3,570.29	19.39	13.56	109.26	-1,869.69	-5,420.70	5,999.77	5,967.60	32.17	186.521		
3,300.00	3,099.63	3,672.51	3,659.89	20.09	13.98	109.63	-1,863.92	-5,412.90	6,004.13	5,970.89	33.24	180.631		
3,400.00	3,190.91	3,762.64	3,749.50	20.79	14.41	110.00	-1,858.15	-5,405.11	6,008.80	5,974.49	34.31	175.113		
3,500.00	3,282.20	3,852.77	3,839.10	21.49	14.83	110.38	-1,852.37	-5,397.31	6,013.78	5,978.39	35.39	169.936		
3,600.00	3,373.48	3,942.89	3,928.70	22.19	15.26	110.75	-1,846.60	-5,389.51	6,019.07	5,982.61	36.46	165.070		
3,700.00	3,464.77	4,033.02	4,018.31	22.89	15.69	111.12	-1,840.83	-5,381.72	6,024.67	5,987.13	37.54	160.490		
3,800.00	3,556.05	4,123.15	4,107.91	23.60	16.12	111.48	-1,835.06	-5,373.92	6,030.57	5,991.95	38.61	156.173		
3,900.00	3,647.34	4,213.28	4,197.52	24.30	16.55	111.85	-1,829.28	-5,366.12	6,036.77	5,997.08	39.69	152.097		
4,000.00	3,738.62	4,303.41	4,287.12	25.00	16.98	112.22	-1,823.51	-5,358.33	6,043.29	6,002.52	40.77	148.244		
4,100.00	3,829.91	4,393.53	4,376.73	25.71	17.41	112.59	-1,817.74	-5,350.53	6,050.10	6,008.26	41.84	144.597		
4,200.00	3,921.19	4,483.66	4,466.33	26.42	17.84	112.95	-1,811.97	-5,342.73	6,057.22	6,014.30	42.92	141.142		
4,300.00	4,012.48	4,573.79	4,555.94	27.12	18.27	113.32	-1,806.19	-5,334.94	6,064.63	6,020.64	43.99	137.863		
4,400.00	4,103.76	4,663.92	4,645.54	27.83	18.70	113.68	-1,800.42	-5,327.14	6,072.35	6,027.29	45.06	134.749		
4,500.00	4,195.05	4,754.05	4,735.14	28.54	19.13	114.05	-1,794.65	-5,319.35	6,080.37	6,034.23	46.14	131.789		
4,600.00	4,286.33	4,844.17	4,824.75	29.24	19.56	114.41	-1,788.88	-5,311.55	6,088.68	6,041.47	47.21	128.972		
4,700.00	4,377.62	4,934.30	4,914.35	29.95	20.00	114.77	-1,783.10	-5,303.75	6,097.29	6,049.01	48.28	126.288		
4,800.00	4,468.90	5,024.43	5,003.96	30.66	20.43	115.14	-1,777.33	-5,295.96	6,106.20	6,056.84	49.35	123.728		
4,900.00	4,560.19	5,114.56	5,093.56	31.37	20.86	115.50	-1,771.56	-5,288.16	6,115.40	6,064.97	50.42	121.286		

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-14C-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-14C-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)						
5,000.00	4,651.47	5,204.69	5,183.17	32.08	21.30	115.86	-1,765.79	-5,280.36	6,124.89	6,073.40	51.49	118.953					
5,100.00	4,742.76	5,305.19	5,272.77	32.79	21.78	116.22	-1,760.01	-5,272.57	6,134.67	6,082.07	52.60	116.618					
5,200.00	4,834.04	5,384.94	5,362.37	33.50	22.16	116.57	-1,754.24	-5,264.77	6,144.74	6,091.12	53.62	114.589					
5,300.00	4,925.33	5,475.07	5,451.98	34.21	22.60	116.93	-1,748.47	-5,256.97	6,155.11	6,100.42	54.69	112.547					
5,400.00	5,016.61	5,565.20	5,541.58	34.92	23.03	117.29	-1,742.70	-5,249.18	6,165.76	6,110.00	55.75	110.590					
5,500.00	5,107.90	5,655.33	5,631.19	35.63	23.47	117.64	-1,736.92	-5,241.38	6,176.69	6,119.87	56.82	108.713					
5,600.00	5,199.18	5,716.15	5,691.66	36.34	23.76	117.88	-1,733.03	-5,236.12	6,187.98	6,130.24	57.74	107.169					
5,700.00	5,290.46	5,759.82	5,735.11	37.05	23.97	118.05	-1,730.43	-5,232.61	6,200.14	6,141.56	58.58	105.846					
5,800.00	5,381.75	5,800.00	5,775.14	37.76	24.16	118.20	-1,728.38	-5,229.85	6,213.44	6,154.05	59.39	104.620					
5,900.00	5,473.03	5,800.00	5,775.14	38.47	24.16	118.20	-1,728.38	-5,229.85	6,227.97	6,167.97	60.00	103.802					
6,000.00	5,564.32	5,859.43	5,834.43	39.18	24.42	118.42	-1,725.97	-5,226.59	6,243.29	6,182.41	60.89	102.542					
6,100.00	5,655.60	5,900.00	5,874.95	39.90	24.60	118.57	-1,724.75	-5,224.94	6,259.85	6,198.18	61.67	101.499					
6,200.00	5,746.89	5,900.00	5,874.95	40.61	24.60	118.57	-1,724.75	-5,224.94	6,277.60	6,215.36	62.25	100.851					
6,300.00	5,838.17	5,959.89	5,934.80	41.32	24.85	118.78	-1,723.57	-5,223.34	6,296.12	6,233.01	63.11	99.763					
6,400.00	5,929.46	6,000.00	5,974.91	42.03	25.02	118.92	-1,723.19	-5,222.83	6,315.84	6,251.97	63.87	98.889					
6,500.00	6,020.74	6,030.83	6,005.74	42.74	25.14	119.02	-1,723.12	-5,222.74	6,336.58	6,272.01	64.57	98.141					
6,600.00	6,112.03	6,122.12	6,097.03	43.46	25.51	119.32	-1,723.12	-5,222.74	6,357.88	6,292.30	65.57	96.962					
6,700.00	6,203.31	6,213.40	6,188.31	44.17	25.87	119.62	-1,723.12	-5,222.74	6,379.37	6,312.79	66.57	95.824					
6,800.00	6,294.60	6,304.69	6,279.60	44.88	26.23	119.92	-1,723.12	-5,222.74	6,401.04	6,333.47	67.58	94.725					
6,900.00	6,385.88	6,447.68	6,422.42	45.59	26.76	120.34	-1,727.75	-5,222.74	6,422.78	6,353.97	68.81	93.342					
6,927.91	6,411.36	6,517.63	6,491.49	45.79	26.99	120.47	-1,738.61	-5,222.74	6,428.61	6,359.34	69.27	92.802					
6,950.00	6,431.59	6,574.87	6,547.10	45.95	27.15	116.38	-1,752.16	-5,222.75	6,432.72	6,363.09	69.63	92.387					
7,000.00	6,477.77	6,707.67	6,671.06	46.27	27.48	106.00	-1,799.33	-5,222.75	6,438.78	6,368.37	70.40	91.456					
7,050.00	6,524.26	6,837.89	6,782.91	46.56	27.73	94.53	-1,865.71	-5,222.76	6,440.30	6,369.17	71.13	90.542					
7,100.00	6,570.76	6,957.91	6,874.65	46.81	27.91	82.87	-1,942.90	-5,222.78	6,437.35	6,365.53	71.83	89.624					
7,150.00	6,617.00	7,063.19	6,944.32	47.02	28.03	71.98	-2,021.71	-5,222.79	6,430.09	6,357.59	72.49	88.699					
7,200.00	6,662.68	7,152.50	6,994.47	47.20	28.14	62.46	-2,095.56	-5,222.80	6,418.71	6,345.58	73.13	87.775					
7,250.00	6,707.53	7,226.84	7,029.40	47.34	28.42	54.50	-2,161.15	-5,222.81	6,403.42	6,329.72	73.69	86.894					
7,300.00	6,751.28	7,288.18	7,053.32	47.47	28.78	48.00	-2,217.62	-5,222.82	6,384.42	6,310.23	74.19	86.058					
7,350.00	6,793.64	7,338.69	7,069.56	47.57	29.11	42.73	-2,265.43	-5,222.83	6,361.91	6,287.29	74.62	85.258					
7,400.00	6,834.35	7,380.33	7,080.55	47.66	29.41	38.46	-2,305.59	-5,222.83	6,336.07	6,261.10	74.97	84.518					
7,450.00	6,873.18	7,414.77	7,087.97	47.75	29.66	34.98	-2,339.22	-5,222.84	6,307.07	6,231.82	75.25	83.815					
7,500.00	6,909.88	7,443.33	7,092.97	47.83	29.89	32.14	-2,367.33	-5,222.84	6,275.11	6,199.62	75.48	83.134					
7,550.00	6,944.21	7,467.07	7,096.33	47.91	30.08	29.79	-2,390.83	-5,222.85	6,240.36	6,164.71	75.66	82.484					
7,600.00	6,975.98	7,486.80	7,098.56	47.99	30.24	27.84	-2,410.44	-5,222.85	6,203.03	6,127.25	75.78	81.853					
7,650.00	7,004.98	7,503.18	7,100.03	48.09	30.38	26.21	-2,426.75	-5,222.85	6,163.32	6,087.45	75.87	81.230					
7,700.00	7,031.04	7,516.70	7,100.98	48.20	30.49	24.84	-2,440.23	-5,222.86	6,121.45	6,045.51	75.95	80.603					
7,750.00	7,053.99	7,527.75	7,101.57	48.32	30.59	23.68	-2,451.27	-5,222.86	6,077.65	6,001.66	75.99	79.977					
7,800.00	7,073.70	7,536.64	7,101.94	48.46	30.67	22.68	-2,460.16	-5,222.86	6,032.15	5,956.13	76.02	79.348					
7,850.00	7,090.03	7,543.60	7,102.15	48.62	30.73	21.79	-2,467.11	-5,222.86	5,985.22	5,909.18	76.04	78.714					
7,900.00	7,102.90	7,548.81	7,102.27	48.81	30.77	20.92	-2,472.32	-5,222.86	5,937.11	5,861.07	76.04	78.074					
7,950.00	7,112.22	7,552.39	7,102.33	49.02	30.81	19.87	-2,475.89	-5,222.86	5,888.10	5,812.05	76.05	77.429					
8,000.00	7,117.94	7,554.42	7,102.36	49.26	30.82	17.70	-2,477.93	-5,222.86	5,838.48	5,762.43	76.04	76.777					
8,047.82	7,120.00	7,554.98	7,102.36	49.51	30.83	-16.80	-2,478.49	-5,222.86	5,790.71	5,714.67	76.04	76.151					
8,100.00	7,120.42	7,554.85	7,102.36	49.82	30.83	-16.67	-2,478.36	-5,222.86	5,738.54	5,662.50	76.04	75.468					
8,200.00	7,121.24	7,554.60	7,102.36	50.53	30.83	-16.40	-2,478.11	-5,222.86	5,638.54	5,562.51	76.04	74.157					
8,300.00	7,122.05	7,554.35	7,102.36	51.39	30.82	-16.14	-2,477.86	-5,222.86	5,538.55	5,462.52	76.03	72.845					
8,400.00	7,122.86	7,554.11	7,102.35	52.42	30.82	-15.87	-2,477.61	-5,222.86	5,438.55	5,362.52	76.03	71.533					
8,500.00	7,123.68	7,553.86	7,102.35	53.63	30.82	-15.61	-2,477.37	-5,222.86	5,338.56	5,262.53	76.03	70.220					
8,600.00	7,124.49	7,553.61	7,102.35	55.01	30.82	-15.35	-2,477.12	-5,222.86	5,238.56	5,162.54	76.02	68.906					

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-14C-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-14C-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				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)				
8,700.00	7,125.30	7,553.37	7,102.35	56.54	30.81	-15.08	-2,476.88	-5,222.86	5,138.57	5,062.54	76.02	67.591			
8,800.00	7,126.12	7,553.12	7,102.34	58.21	30.81	-14.82	-2,476.63	-5,222.86	5,038.57	4,962.55	76.02	66.276			
8,900.00	7,126.93	7,552.88	7,102.34	60.01	30.81	-14.55	-2,476.39	-5,222.86	4,938.58	4,862.55	76.02	64.961			
9,000.00	7,127.75	7,552.63	7,102.33	61.92	30.81	-14.29	-2,476.14	-5,222.86	4,838.58	4,762.56	76.03	63.644			
9,100.00	7,128.56	7,552.39	7,102.33	63.92	30.81	-14.02	-2,475.90	-5,222.86	4,738.59	4,662.56	76.03	62.328			
9,200.00	7,129.37	7,552.15	7,102.33	66.01	30.80	-13.76	-2,475.65	-5,222.86	4,638.59	4,562.56	76.03	61.010			
9,300.00	7,130.19	7,551.90	7,102.32	68.16	30.80	-13.49	-2,475.41	-5,222.86	4,538.60	4,462.57	76.03	59.693			
9,400.00	7,131.00	7,551.66	7,102.32	70.38	30.80	-13.23	-2,475.17	-5,222.86	4,438.61	4,362.57	76.04	58.375			
9,500.00	7,131.81	7,551.42	7,102.32	72.65	30.80	-12.97	-2,474.93	-5,222.86	4,338.61	4,262.57	76.04	57.057			
9,600.00	7,132.63	7,551.18	7,102.31	74.97	30.80	-12.70	-2,474.69	-5,222.86	4,238.62	4,162.57	76.05	55.738			
9,700.00	7,133.44	7,550.94	7,102.31	77.33	30.79	-12.44	-2,474.45	-5,222.86	4,138.63	4,062.58	76.05	54.419			
9,800.00	7,134.25	7,550.70	7,102.30	79.72	30.79	-12.17	-2,474.21	-5,222.86	4,038.64	3,962.58	76.06	53.100			
9,900.00	7,135.07	7,550.46	7,102.30	82.16	30.79	-11.91	-2,473.97	-5,222.86	3,938.64	3,862.58	76.06	51.781			
10,000.00	7,135.88	7,550.22	7,102.30	84.62	30.79	-11.64	-2,473.73	-5,222.86	3,838.65	3,762.58	76.07	50.462			
10,100.00	7,136.70	7,549.98	7,102.29	87.11	30.78	-11.38	-2,473.49	-5,222.86	3,738.66	3,662.58	76.08	49.142			
10,200.00	7,137.51	7,549.74	7,102.29	89.62	30.78	-11.11	-2,473.25	-5,222.86	3,638.67	3,562.58	76.09	47.823			
10,300.00	7,138.32	7,549.50	7,102.28	92.16	30.78	-10.85	-2,473.01	-5,222.86	3,538.68	3,462.59	76.10	46.503			
10,400.00	7,139.14	7,549.27	7,102.28	94.71	30.78	-10.59	-2,472.78	-5,222.86	3,438.69	3,362.59	76.10	45.184			
10,500.00	7,139.95	7,549.03	7,102.27	97.29	30.78	-10.32	-2,472.54	-5,222.86	3,338.70	3,262.59	76.11	43.865			
10,600.00	7,140.76	7,548.79	7,102.27	99.88	30.77	-10.06	-2,472.30	-5,222.86	3,238.71	3,162.59	76.12	42.545			
10,700.00	7,141.58	7,548.56	7,102.27	102.48	30.77	-9.79	-2,472.07	-5,222.86	3,138.73	3,062.59	76.13	41.226			
10,800.00	7,142.39	7,548.32	7,102.26	105.10	30.77	-9.53	-2,471.83	-5,222.86	3,038.74	2,962.60	76.14	39.908			
10,900.00	7,143.20	7,548.09	7,102.26	107.74	30.77	-9.27	-2,471.60	-5,222.86	2,938.75	2,862.60	76.16	38.589			
11,000.00	7,144.02	7,547.85	7,102.25	110.38	30.77	-9.00	-2,471.36	-5,222.86	2,838.77	2,762.60	76.17	37.271			
11,100.00	7,144.83	7,547.62	7,102.25	113.04	30.76	-8.74	-2,471.13	-5,222.86	2,738.79	2,662.61	76.18	35.953			
11,200.00	7,145.65	7,547.39	7,102.24	115.71	30.76	-8.48	-2,470.90	-5,222.86	2,638.80	2,562.62	76.19	34.635			
11,300.00	7,146.46	7,547.15	7,102.24	118.38	30.76	-8.22	-2,470.66	-5,222.86	2,538.82	2,462.62	76.20	33.318			
11,400.00	7,147.27	7,546.92	7,102.23	121.07	30.76	-7.95	-2,470.43	-5,222.86	2,438.84	2,362.63	76.21	32.002			
11,500.00	7,148.09	7,546.69	7,102.23	123.76	30.76	-7.69	-2,470.20	-5,222.86	2,338.87	2,262.65	76.22	30.686			
11,600.00	7,148.90	7,546.46	7,102.22	126.46	30.75	-7.43	-2,469.97	-5,222.86	2,238.89	2,162.66	76.23	29.370			
11,700.00	7,149.71	7,546.23	7,102.22	129.17	30.75	-7.17	-2,469.74	-5,222.86	2,138.92	2,062.68	76.24	28.055			
11,800.00	7,150.53	7,546.00	7,102.21	131.89	30.75	-6.91	-2,469.51	-5,222.86	2,038.95	1,962.70	76.25	26.741			
11,900.00	7,151.34	7,545.77	7,102.21	134.61	30.75	-6.65	-2,469.28	-5,222.86	1,938.98	1,862.72	76.26	25.428			
12,000.00	7,152.16	7,545.54	7,102.20	137.34	30.75	-6.39	-2,469.05	-5,222.86	1,839.01	1,762.75	76.26	24.115			
12,100.00	7,152.97	7,545.31	7,102.20	140.07	30.74	-6.13	-2,468.82	-5,222.86	1,739.05	1,662.79	76.27	22.803			
12,200.00	7,153.78	7,545.08	7,102.19	142.81	30.74	-5.87	-2,468.59	-5,222.86	1,639.10	1,562.83	76.27	21.491			
12,300.00	7,154.60	7,544.85	7,102.18	145.55	30.74	-5.61	-2,468.36	-5,222.86	1,539.15	1,462.88	76.27	20.181			
12,400.00	7,155.41	7,544.63	7,102.18	148.30	30.74	-5.35	-2,468.14	-5,222.86	1,439.20	1,362.94	76.26	18.871			
12,500.00	7,156.22	7,544.40	7,102.17	151.05	30.74	-5.09	-2,467.91	-5,222.86	1,339.27	1,263.01	76.26	17.563			
12,600.00	7,157.04	7,544.17	7,102.17	153.80	30.73	-4.83	-2,467.68	-5,222.86	1,239.34	1,163.10	76.24	16.255			
12,700.00	7,157.85	7,543.95	7,102.16	156.56	30.73	-4.57	-2,467.46	-5,222.86	1,139.43	1,063.21	76.22	14.949			
12,800.00	7,158.66	7,543.72	7,102.16	159.33	30.73	-4.31	-2,467.23	-5,222.86	1,039.54	963.35	76.19	13.644			
12,900.00	7,159.48	7,543.50	7,102.15	162.09	30.73	-4.06	-2,467.01	-5,222.86	939.67	863.52	76.15	12.340			
13,000.00	7,160.29	7,543.27	7,102.14	164.86	30.73	-3.80	-2,466.78	-5,222.86	839.83	763.73	76.09	11.037			
13,100.00	7,161.11	7,543.05	7,102.14	167.64	30.72	-3.54	-2,466.56	-5,222.86	740.03	664.02	76.01	9.736			
13,209.97	7,162.00	7,542.80	7,102.13	170.69	30.72	-3.26	-2,466.31	-5,222.86	630.36	554.47	75.89	8.307			
13,210.89	7,162.01	7,542.80	7,102.13	170.72	30.72	-3.26	-2,466.31	-5,222.86	629.44	553.56	75.88	8.295 CC, ES, SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-109.58	-2,003.05	-5,631.41	5,977.04					
100.00	100.00	85.00	85.00	3.28	3.29	-109.58	-2,003.05	-5,631.41	5,977.04	5,970.47	6.57	909.747		
200.00	200.00	185.00	185.00	3.34	3.31	-109.58	-2,003.05	-5,631.41	5,977.04	5,970.40	6.64	899.876		
300.00	299.98	284.98	284.98	3.44	3.34	98.75	-2,003.05	-5,631.41	5,977.31	5,970.53	6.78	881.763		
400.00	399.84	384.84	384.84	3.59	3.39	98.78	-2,003.05	-5,631.41	5,978.10	5,971.13	6.98	856.882		
500.00	499.45	484.45	484.45	3.79	3.45	98.84	-2,003.05	-5,631.41	5,979.45	5,972.21	7.24	826.322		
600.00	598.70	583.70	583.70	4.04	3.52	98.92	-2,003.05	-5,631.41	5,981.34	5,973.79	7.55	791.899		
700.00	697.47	682.47	682.47	4.32	3.61	99.02	-2,003.05	-5,631.41	5,983.81	5,975.89	7.92	755.220		
800.00	795.62	780.62	780.62	4.64	3.70	99.13	-2,003.05	-5,631.41	5,986.87	5,978.53	8.34	717.583		
900.00	893.06	878.06	878.06	5.01	3.80	99.27	-2,003.05	-5,631.41	5,990.56	5,981.75	8.81	679.964		
1,000.00	989.64	974.64	974.64	5.41	3.92	99.42	-2,003.05	-5,631.41	5,994.91	5,985.58	9.32	643.059		
1,100.00	1,085.27	1,070.27	1,070.27	5.85	4.03	99.58	-2,003.05	-5,631.41	5,999.95	5,990.07	9.88	607.333		
1,200.00	1,179.82	1,164.82	1,164.82	6.33	4.16	99.76	-2,003.05	-5,631.41	6,005.72	5,995.24	10.48	573.080		
1,300.00	1,273.17	1,258.17	1,258.17	6.84	4.29	99.94	-2,003.05	-5,631.41	6,012.27	6,001.15	11.12	540.472		
1,404.90	1,369.69	1,354.69	1,354.69	7.43	4.43	100.14	-2,003.05	-5,631.41	6,020.04	6,008.19	11.85	508.112		
1,500.00	1,456.50	1,441.50	1,441.50	8.00	4.56	100.48	-2,003.05	-5,631.41	6,027.63	6,015.09	12.54	480.788		
1,600.00	1,547.79	1,532.79	1,532.79	8.61	4.70	100.83	-2,003.05	-5,631.41	6,035.87	6,022.58	13.28	454.394		
1,700.00	1,639.07	1,624.07	1,624.07	9.23	4.84	101.17	-2,003.05	-5,631.41	6,044.37	6,030.32	14.05	430.268		
1,800.00	1,730.36	1,715.36	1,715.36	9.87	4.99	101.52	-2,003.05	-5,631.41	6,053.14	6,038.31	14.83	408.237		
1,900.00	1,821.64	1,806.64	1,806.64	10.52	5.14	101.87	-2,003.05	-5,631.41	6,062.17	6,046.55	15.62	388.116		
2,000.00	1,912.93	1,897.93	1,897.93	11.18	5.30	102.21	-2,003.05	-5,631.41	6,071.46	6,055.03	16.42	369.719		
2,100.00	2,004.21	1,989.21	1,989.21	11.84	5.46	102.56	-2,003.05	-5,631.41	6,081.01	6,063.77	17.23	352.873		
2,200.00	2,095.50	2,080.50	2,080.50	12.51	5.61	102.96	-2,001.55	-5,631.69	6,090.73	6,072.49	18.24	333.876		
2,300.00	2,186.78	2,171.78	2,171.78	13.19	5.76	103.39	-1,996.46	-5,632.63	6,100.54	6,081.26	19.28	316.429		
2,400.00	2,278.06	2,263.06	2,263.06	13.86	5.91	103.83	-1,988.35	-5,634.14	6,110.52	6,090.15	20.36	300.089		
2,500.00	2,369.35	2,354.35	2,354.35	14.55	6.06	104.22	-1,980.05	-5,635.68	6,120.81	6,099.50	21.31	287.198		
2,600.00	2,460.63	2,445.63	2,445.63	15.23	6.21	104.62	-1,971.74	-5,637.22	6,131.48	6,109.16	22.32	274.654		
2,700.00	2,551.92	2,536.92	2,536.92	15.92	6.36	105.01	-1,963.43	-5,638.76	6,142.53	6,119.18	23.34	263.125		
2,800.00	2,643.20	2,628.20	2,628.20	16.61	6.51	105.41	-1,955.12	-5,640.30	6,153.95	6,129.58	24.37	252.508		
2,900.00	2,734.49	2,719.49	2,719.49	17.30	6.66	105.80	-1,946.82	-5,641.84	6,165.74	6,140.34	25.40	242.711		
3,000.00	2,825.77	2,810.77	2,810.77	18.00	6.81	106.19	-1,938.51	-5,643.38	6,177.90	6,151.46	26.44	233.653		
3,100.00	2,917.06	2,902.06	2,902.06	18.69	6.96	106.58	-1,930.20	-5,644.92	6,190.42	6,162.94	27.48	225.261		
3,200.00	3,008.34	2,993.34	2,993.34	19.39	7.11	106.97	-1,921.89	-5,646.47	6,203.31	6,174.79	28.53	217.469		
3,300.00	3,099.63	3,084.63	3,084.63	20.09	7.26	107.35	-1,913.59	-5,648.01	6,216.56	6,186.99	29.57	210.222		
3,400.00	3,190.91	3,175.91	3,175.91	20.79	7.41	107.74	-1,905.28	-5,649.55	6,230.18	6,199.56	30.62	203.469		
3,500.00	3,282.20	3,267.20	3,267.20	21.49	7.56	108.12	-1,896.97	-5,651.09	6,244.14	6,212.47	31.67	197.166		
3,600.00	3,373.48	3,358.48	3,358.48	22.19	7.71	108.51	-1,888.66	-5,652.63	6,258.47	6,225.75	32.72	191.271		
3,700.00	3,464.77	3,449.77	3,449.77	22.89	7.86	108.89	-1,880.35	-5,654.17	6,273.14	6,239.37	33.77	185.750		
3,800.00	3,556.05	3,541.05	3,541.05	23.60	8.01	109.27	-1,872.05	-5,655.71	6,288.17	6,253.35	34.82	180.570		
3,900.00	3,647.34	3,632.34	3,632.34	24.30	8.16	109.65	-1,863.74	-5,657.25	6,303.54	6,267.66	35.88	175.673		
4,000.00	3,738.62	3,723.62	3,723.62	25.00	8.31	110.03	-1,855.43	-5,658.79	6,319.26	6,282.33	36.93	171.122		
4,100.00	3,829.91	3,814.91	3,814.91	25.71	8.46	110.40	-1,847.12	-5,660.33	6,335.32	6,297.34	37.98	166.806		
4,200.00	3,921.19	3,906.19	3,906.19	26.42	8.61	110.78	-1,838.82	-5,661.88	6,351.72	6,312.69	39.03	162.733		
4,300.00	4,012.48	3,997.48	3,997.48	27.12	8.76	111.15	-1,830.51	-5,663.42	6,368.46	6,328.38	40.08	158.886		
4,400.00	4,103.76	4,088.76	4,088.76	27.83	8.91	111.52	-1,822.20	-5,664.96	6,385.54	6,344.40	41.13	155.246		
4,500.00	4,195.05	4,180.05	4,180.05	28.54	9.06	111.89	-1,813.89	-5,666.50	6,402.94	6,360.76	42.18	151.799		
4,600.00	4,286.33	4,271.33	4,271.33	29.24	9.21	112.26	-1,805.59	-5,668.04	6,420.68	6,377.45	43.23	148.530		
4,700.00	4,377.62	4,362.62	4,362.62	29.95	9.36	112.63	-1,797.28	-5,669.58	6,438.74	6,394.42	44.31	145.307		
4,800.00	4,468.90	4,453.90	4,453.90	30.66	9.51	112.99	-1,788.97	-5,671.12	6,457.12	6,411.80	45.32	142.480		
4,900.00	4,560.19	4,545.19	4,545.19	31.37	9.66	113.36	-1,780.66	-5,672.66	6,475.83	6,429.46	46.36	139.676		
5,000.00	4,651.47	4,636.47	4,636.47	32.08	9.81	113.72	-1,772.36	-5,674.20	6,494.85	6,447.44	47.41	137.007		

CC - Min centre 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-14C-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-14C-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-443(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 2000-MWD													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
5,100.00	4,742.76	4,644.33	4,632.73	32.79	16.95	114.08	-1,764.05	-5,675.74	6,514.19	6,465.74	48.45	134.464					
5,200.00	4,834.04	4,731.42	4,719.41	33.50	17.35	114.44	-1,755.74	-5,677.28	6,533.84	6,484.36	49.48	132.039					
5,300.00	4,925.33	4,818.50	4,806.08	34.21	17.76	114.79	-1,747.43	-5,678.83	6,553.80	6,503.28	50.52	129.723					
5,400.00	5,016.61	4,905.58	4,892.75	34.92	18.16	115.15	-1,739.12	-5,680.37	6,574.07	6,522.51	51.56	127.512					
5,500.00	5,107.90	5,032.41	5,019.12	35.63	18.74	115.65	-1,728.65	-5,682.31	6,594.47	6,541.68	52.79	124.922					
5,600.00	5,199.18	5,186.02	5,172.61	36.34	19.41	116.19	-1,723.16	-5,683.33	6,614.35	6,560.23	54.13	122.204					
5,700.00	5,290.46	5,288.88	5,275.46	37.05	19.83	116.53	-1,723.03	-5,683.35	6,633.86	6,578.66	55.20	120.180					
5,800.00	5,381.75	5,380.16	5,366.75	37.76	20.21	116.82	-1,723.03	-5,683.35	6,653.54	6,597.33	56.22	118.357					
5,900.00	5,473.03	5,471.44	5,458.03	38.47	20.59	117.11	-1,723.03	-5,683.35	6,673.42	6,616.19	57.23	116.604					
6,000.00	5,564.32	5,562.73	5,549.32	39.18	20.97	117.40	-1,723.03	-5,683.35	6,693.49	6,635.24	58.25	114.918					
6,100.00	5,655.60	5,654.01	5,640.60	39.90	21.35	117.69	-1,723.03	-5,683.35	6,713.74	6,654.48	59.26	113.295					
6,200.00	5,746.89	5,745.30	5,731.89	40.61	21.73	117.98	-1,723.03	-5,683.35	6,734.18	6,673.91	60.27	111.733					
6,300.00	5,838.17	5,836.58	5,823.17	41.32	22.12	118.26	-1,723.03	-5,683.35	6,754.81	6,693.53	61.28	110.227					
6,400.00	5,929.46	5,927.87	5,914.46	42.03	22.50	118.55	-1,723.03	-5,683.35	6,775.62	6,713.33	62.29	108.776					
6,500.00	6,020.74	6,019.15	6,005.74	42.74	22.88	118.83	-1,723.03	-5,683.35	6,796.61	6,733.32	63.30	107.376					
6,600.00	6,112.03	6,110.44	6,097.03	43.46	23.26	119.11	-1,723.03	-5,683.35	6,817.79	6,753.48	64.30	106.025					
6,700.00	6,203.31	6,201.72	6,188.31	44.17	23.64	119.39	-1,723.03	-5,683.35	6,839.14	6,773.83	65.31	104.720					
6,800.00	6,294.60	6,293.01	6,279.60	44.88	24.02	119.67	-1,723.03	-5,683.35	6,860.66	6,794.35	66.31	103.460					
6,900.00	6,385.88	6,384.29	6,370.88	45.59	24.40	119.94	-1,723.03	-5,683.35	6,882.36	6,815.05	67.31	102.242					
6,927.91	6,411.36	6,409.77	6,396.36	45.79	24.51	120.02	-1,723.03	-5,683.35	6,888.45	6,820.86	67.59	101.909					
6,950.00	6,431.59	6,430.00	6,416.59	45.95	24.59	115.93	-1,723.03	-5,683.35	6,892.90	6,825.09	67.81	101.645					
7,000.00	6,477.77	6,476.18	6,462.77	46.27	24.79	105.68	-1,723.03	-5,683.35	6,900.23	6,831.94	68.30	101.031					
7,050.00	6,524.26	6,560.66	6,547.21	46.56	25.12	94.63	-1,725.01	-5,683.35	6,903.67	6,834.74	68.93	100.151					
7,100.00	6,570.76	7,100.00	6,656.48	46.81	26.85	83.50	-1,742.27	-5,683.35	6,902.57	6,831.60	70.97	97.261					
7,150.00	6,617.00	6,889.01	6,859.71	47.02	26.09	73.08	-1,817.25	-5,683.34	6,896.84	6,826.23	70.61	97.669					
7,200.00	6,662.68	7,045.22	6,988.04	47.20	26.49	63.75	-1,905.82	-5,683.32	6,886.40	6,815.05	71.35	96.518					
7,250.00	6,707.53	7,179.88	7,082.27	47.34	26.91	55.81	-2,001.79	-5,683.30	6,871.54	6,799.49	72.04	95.379					
7,300.00	6,751.28	7,289.95	7,145.82	47.47	27.35	49.24	-2,091.54	-5,683.29	6,852.57	6,779.86	72.70	94.254					
7,350.00	6,793.64	7,377.54	7,186.77	47.57	27.79	43.88	-2,168.91	-5,683.27	6,829.81	6,756.50	73.31	93.167					
7,400.00	6,834.35	7,446.67	7,212.67	47.66	28.20	39.53	-2,232.98	-5,683.26	6,803.55	6,729.72	73.83	92.152					
7,450.00	6,873.18	7,501.32	7,228.98	47.75	28.55	36.00	-2,285.12	-5,683.25	6,774.03	6,699.78	74.25	91.235					
7,500.00	6,909.88	7,544.76	7,239.26	47.83	28.87	33.11	-2,327.33	-5,683.25	6,741.49	6,666.88	74.61	90.351					
7,550.00	6,944.21	7,579.52	7,245.75	47.91	29.13	30.75	-2,361.47	-5,683.24	6,706.15	6,631.26	74.89	89.546					
7,600.00	6,975.98	7,607.48	7,249.84	47.99	29.34	28.82	-2,389.13	-5,683.24	6,668.23	6,593.13	75.10	88.789					
7,650.00	7,004.98	7,630.04	7,252.40	48.09	29.52	27.24	-2,411.55	-5,683.23	6,627.96	6,552.69	75.27	88.057					
7,700.00	7,031.04	7,641.15	7,253.57	48.20	29.62	26.06	-2,422.59	-5,683.23	6,585.56	6,510.23	75.34	87.415					
7,750.00	7,053.99	7,652.24	7,254.73	48.32	29.72	25.11	-2,433.62	-5,683.23	6,541.29	6,465.89	75.40	86.755					
7,800.00	7,073.70	7,661.72	7,255.72	48.46	29.80	24.39	-2,443.04	-5,683.23	6,495.39	6,419.94	75.45	86.090					
7,850.00	7,090.03	7,669.52	7,256.54	48.62	29.87	23.92	-2,450.80	-5,683.23	6,448.10	6,372.62	75.49	85.421					
7,900.00	7,102.90	7,675.59	7,257.17	48.81	29.92	23.77	-2,456.84	-5,683.22	6,399.72	6,324.21	75.51	84.751					
7,950.00	7,112.22	7,679.91	7,257.62	49.02	29.96	24.20	-2,461.14	-5,683.22	6,350.51	6,274.98	75.53	84.080					
8,000.00	7,117.94	7,682.43	7,257.89	49.26	29.98	26.96	-2,463.65	-5,683.22	6,300.76	6,225.22	75.54	83.411					
8,047.82	7,120.00	7,683.16	7,257.96	49.51	29.99	-178.78	-2,464.37	-5,683.22	6,252.96	6,177.42	75.54	82.774					
8,100.00	7,120.42	7,683.06	7,257.95	49.82	29.99	-178.84	-2,464.27	-5,683.22	6,200.79	6,125.25	75.54	82.083					
8,200.00	7,121.24	7,682.85	7,257.93	50.53	29.98	-178.95	-2,464.06	-5,683.22	6,100.81	6,025.26	75.54	80.758					
8,300.00	7,122.05	7,682.64	7,257.91	51.39	29.98	-179.07	-2,463.86	-5,683.22	6,000.82	5,925.28	75.55	79.431					
8,400.00	7,122.86	7,682.44	7,257.89	52.42	29.98	-179.18	-2,463.65	-5,683.22	5,900.84	5,825.29	75.55	78.104					
8,500.00	7,123.68	7,682.23	7,257.86	53.63	29.98	-179.30	-2,463.45	-5,683.22	5,800.85	5,725.30	75.56	76.776					
8,600.00	7,124.49	7,682.03	7,257.84	55.01	29.98	-179.41	-2,463.25	-5,683.22	5,700.87	5,625.31	75.56	75.447					
8,700.00	7,125.30	7,681.82	7,257.82	56.54	29.97	-179.53	-2,463.04	-5,683.22	5,600.88	5,525.32	75.57	74.118					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	7,681.62	7,257.80	58.21	29.97	-179.64	-2,462.84	-5,683.22	5,500.90	5,425.33	75.57	72.788		
8,900.00	7,126.93	7,681.41	7,257.78	60.01	29.97	-179.76	-2,462.63	-5,683.22	5,400.92	5,325.34	75.58	71.457		
9,000.00	7,127.75	7,681.21	7,257.76	61.92	29.97	-179.87	-2,462.43	-5,683.22	5,300.94	5,225.34	75.59	70.126		
9,100.00	7,128.56	7,681.00	7,257.74	63.92	29.97	-179.99	-2,462.22	-5,683.22	5,200.96	5,125.35	75.60	68.794		
9,200.00	7,129.37	7,680.80	7,257.71	66.01	29.97	-179.90	-2,462.02	-5,683.22	5,100.98	5,025.36	75.61	67.461		
9,300.00	7,130.19	7,680.59	7,257.69	68.16	29.96	-179.78	-2,461.81	-5,683.22	5,001.00	4,925.37	75.63	66.128		
9,400.00	7,131.00	7,680.39	7,257.67	70.38	29.96	-179.67	-2,461.61	-5,683.22	4,901.02	4,825.38	75.64	64.795		
9,500.00	7,131.81	7,680.18	7,257.65	72.65	29.96	-179.56	-2,461.41	-5,683.22	4,801.04	4,725.39	75.65	63.461		
9,600.00	7,132.63	7,679.98	7,257.63	74.97	29.96	-179.44	-2,461.20	-5,683.22	4,701.06	4,625.39	75.67	62.127		
9,700.00	7,133.44	7,679.77	7,257.61	77.33	29.96	-179.32	-2,461.00	-5,683.22	4,601.09	4,525.40	75.68	60.793		
9,800.00	7,134.25	7,679.57	7,257.59	79.72	29.96	-179.21	-2,460.80	-5,683.22	4,501.11	4,425.41	75.70	59.458		
9,900.00	7,135.07	7,679.36	7,257.56	82.16	29.95	-179.09	-2,460.59	-5,683.22	4,401.14	4,325.42	75.72	58.123		
10,000.00	7,135.88	7,679.15	7,257.54	84.62	29.95	-178.98	-2,460.39	-5,683.22	4,301.16	4,225.42	75.74	56.788		
10,100.00	7,136.70	7,678.95	7,257.52	87.11	29.95	-178.86	-2,460.18	-5,683.22	4,201.19	4,125.43	75.76	55.453		
10,200.00	7,137.51	7,678.74	7,257.50	89.62	29.95	-178.75	-2,459.98	-5,683.22	4,101.22	4,025.44	75.78	54.118		
10,300.00	7,138.32	7,678.54	7,257.48	92.16	29.95	-178.63	-2,459.77	-5,683.22	4,001.25	3,925.45	75.81	52.783		
10,400.00	7,139.14	7,678.33	7,257.46	94.71	29.94	-178.52	-2,459.57	-5,683.22	3,901.29	3,825.46	75.83	51.448		
10,500.00	7,139.95	7,678.13	7,257.44	97.29	29.94	-178.40	-2,459.37	-5,683.22	3,801.32	3,725.47	75.86	50.113		
10,600.00	7,140.76	7,677.92	7,257.41	99.88	29.94	-178.29	-2,459.16	-5,683.22	3,701.36	3,625.48	75.88	48.778		
10,700.00	7,141.58	7,677.72	7,257.39	102.48	29.94	-178.17	-2,458.96	-5,683.22	3,601.40	3,525.49	75.91	47.443		
10,800.00	7,142.39	7,677.51	7,257.37	105.10	29.94	-178.06	-2,458.75	-5,683.22	3,501.44	3,425.50	75.94	46.108		
10,900.00	7,143.20	7,677.31	7,257.35	107.74	29.94	-177.94	-2,458.55	-5,683.22	3,401.48	3,325.51	75.97	44.773		
11,000.00	7,144.02	7,677.10	7,257.33	110.38	29.93	-177.83	-2,458.35	-5,683.22	3,301.53	3,225.52	76.00	43.439		
11,100.00	7,144.83	7,676.90	7,257.31	113.04	29.93	-177.71	-2,458.14	-5,683.22	3,201.58	3,125.54	76.04	42.105		
11,200.00	7,145.65	7,676.69	7,257.29	115.71	29.93	-177.59	-2,457.94	-5,683.22	3,101.63	3,025.56	76.07	40.772		
11,300.00	7,146.46	7,676.49	7,257.26	118.38	29.93	-177.48	-2,457.73	-5,683.22	3,001.68	2,925.57	76.11	39.439		
11,400.00	7,147.27	7,676.28	7,257.24	121.07	29.93	-177.36	-2,457.53	-5,683.22	2,901.74	2,825.59	76.15	38.106		
11,500.00	7,148.09	7,676.07	7,257.22	123.76	29.92	-177.25	-2,457.32	-5,683.22	2,801.81	2,725.62	76.19	36.774		
11,600.00	7,148.90	7,675.87	7,257.20	126.46	29.92	-177.13	-2,457.12	-5,683.22	2,701.87	2,625.64	76.23	35.442		
11,700.00	7,149.71	7,675.66	7,257.18	129.17	29.92	-177.02	-2,456.92	-5,683.22	2,601.95	2,525.67	76.28	34.111		
11,800.00	7,150.53	7,675.46	7,257.16	131.89	29.92	-176.90	-2,456.71	-5,683.22	2,502.03	2,425.70	76.33	32.781		
11,900.00	7,151.34	7,675.25	7,257.14	134.61	29.92	-176.78	-2,456.51	-5,683.22	2,402.11	2,325.74	76.38	31.451		
12,000.00	7,152.16	7,675.05	7,257.11	137.34	29.92	-176.67	-2,456.30	-5,683.22	2,302.21	2,225.78	76.43	30.122		
12,100.00	7,152.97	7,674.84	7,257.09	140.07	29.91	-176.55	-2,456.10	-5,683.22	2,202.31	2,125.82	76.49	28.793		
12,200.00	7,153.78	7,674.64	7,257.07	142.81	29.91	-176.44	-2,455.89	-5,683.22	2,102.42	2,025.87	76.55	27.466		
12,300.00	7,154.60	7,674.43	7,257.05	145.55	29.91	-176.32	-2,455.69	-5,683.22	2,002.54	1,925.93	76.61	26.139		
12,400.00	7,155.41	7,674.23	7,257.03	148.30	29.91	-176.20	-2,455.49	-5,683.23	1,902.67	1,826.00	76.68	24.813		
12,500.00	7,156.22	7,674.02	7,257.01	151.05	29.91	-176.09	-2,455.28	-5,683.23	1,802.82	1,726.07	76.75	23.489		
12,600.00	7,157.04	7,673.82	7,256.98	153.80	29.91	-175.97	-2,455.08	-5,683.23	1,702.99	1,626.16	76.83	22.165		
12,700.00	7,157.85	7,673.61	7,256.96	156.56	29.90	-175.86	-2,454.87	-5,683.23	1,603.18	1,526.26	76.92	20.842		
12,800.00	7,158.66	7,673.41	7,256.94	159.33	29.90	-175.74	-2,454.67	-5,683.23	1,503.39	1,426.38	77.02	19.520		
12,900.00	7,159.48	7,673.20	7,256.92	162.09	29.90	-175.62	-2,454.47	-5,683.23	1,403.64	1,326.51	77.12	18.200		
13,000.00	7,160.29	7,672.99	7,256.90	164.86	29.90	-175.51	-2,454.26	-5,683.23	1,303.92	1,226.68	77.24	16.881		
13,100.00	7,161.11	7,672.79	7,256.88	167.64	29.90	-175.39	-2,454.06	-5,683.23	1,204.25	1,126.87	77.38	15.563		
13,209.97	7,162.00	7,672.56	7,256.85	170.69	29.89	-175.26	-2,453.83	-5,683.23	1,094.71	1,017.15	77.55	14.116		
13,210.89	7,162.01	7,672.56	7,256.85	170.72	29.89	-175.26	-2,453.83	-5,683.23	1,093.79	1,016.24	77.55	14.104 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-10.07	1,553.40	-275.86	1,580.50					
100.00	100.00	6.00	6.00	3.28	3.28	-10.07	1,553.40	-275.86	1,577.70	1,571.13	6.57	240.270		
200.00	200.00	106.00	106.00	3.34	3.82	-10.07	1,553.40	-275.86	1,577.70	1,570.54	7.16	220.490 CC		
300.00	299.98	205.98	205.98	3.44	6.36	-161.76	1,553.40	-275.86	1,579.36	1,569.56	9.80	161.205 ES		
400.00	399.84	305.84	305.84	3.59	9.51	-161.79	1,553.40	-275.86	1,584.33	1,571.22	13.11	120.872		
500.00	499.45	405.45	405.45	3.79	12.84	-161.83	1,553.40	-275.86	1,592.61	1,575.98	16.63	95.776		
600.00	598.70	504.70	504.70	4.04	16.21	-161.90	1,553.40	-275.86	1,604.20	1,583.96	20.24	79.240		
700.00	697.47	603.47	603.47	4.32	19.60	-161.98	1,553.40	-275.86	1,619.09	1,595.18	23.91	67.710		
800.00	795.62	701.62	701.62	4.64	22.98	-162.07	1,553.40	-275.86	1,637.27	1,609.66	27.61	59.306		
900.00	893.06	800.94	799.06	5.01	26.42	-162.17	1,553.40	-275.86	1,658.73	1,627.35	31.38	52.860		
1,000.00	989.64	904.36	895.64	5.41	30.01	-162.29	1,553.40	-275.86	1,683.45	1,648.13	35.33	47.656		
1,100.00	1,085.27	1,008.73	991.27	5.85	33.63	-162.41	1,553.40	-275.86	1,711.42	1,672.09	39.33	43.514		
1,200.00	1,179.82	1,085.82	1,085.82	6.33	36.31	-162.53	1,553.40	-275.86	1,742.62	1,700.21	42.41	41.092		
1,300.00	1,273.17	1,179.17	1,179.17	6.84	39.56	-162.66	1,553.40	-275.86	1,777.01	1,730.94	46.07	38.572		
1,404.90	1,369.69	1,275.69	1,275.69	7.43	42.91	-162.80	1,553.40	-275.86	1,816.49	1,766.61	49.88	36.417		
1,500.00	1,456.50	1,362.50	1,362.50	8.00	45.94	-163.15	1,553.40	-275.86	1,853.89	1,800.57	53.32	34.770		
1,600.00	1,547.79	1,453.79	1,453.79	8.61	49.12	-163.50	1,553.40	-275.86	1,893.27	1,836.34	56.94	33.252		
1,700.00	1,639.07	1,545.07	1,545.07	9.23	52.30	-163.85	1,553.40	-275.86	1,932.72	1,872.15	60.57	31.910		
1,800.00	1,730.36	1,636.36	1,636.36	9.87	55.48	-164.17	1,553.40	-275.86	1,972.22	1,908.01	64.21	30.717		
1,900.00	1,821.64	1,727.64	1,727.64	10.52	58.66	-164.49	1,553.40	-275.86	2,011.77	1,943.92	67.85	29.649		
2,000.00	1,912.93	1,818.93	1,818.93	11.18	61.84	-164.79	1,553.40	-275.86	2,051.38	1,979.87	71.50	28.689		
2,100.00	2,004.21	1,910.21	1,910.21	11.84	65.02	-165.08	1,553.40	-275.86	2,091.03	2,015.87	75.16	27.820		
2,200.00	2,095.50	2,001.50	2,001.50	12.51	68.21	-165.36	1,553.40	-275.86	2,130.72	2,051.90	78.82	27.031		
2,300.00	2,186.78	2,107.22	2,092.78	13.19	71.89	-165.64	1,553.40	-275.86	2,170.46	2,087.47	82.99	26.152		
2,400.00	2,278.06	2,184.06	2,184.06	13.86	74.57	-165.90	1,553.40	-275.86	2,210.24	2,124.08	86.16	25.653		
2,500.00	2,369.35	2,275.35	2,275.35	14.55	77.76	-166.15	1,553.40	-275.86	2,250.05	2,160.22	89.83	25.048		
2,600.00	2,460.63	2,366.63	2,366.63	15.23	80.94	-166.39	1,553.40	-275.86	2,289.91	2,196.40	93.51	24.490		
2,700.00	2,551.92	2,457.92	2,457.92	15.92	84.12	-166.63	1,553.40	-275.86	2,329.79	2,232.61	97.18	23.974		
2,800.00	2,643.20	2,549.20	2,549.20	16.61	87.31	-166.85	1,553.40	-275.86	2,369.71	2,268.85	100.86	23.495		
2,900.00	2,734.49	2,640.49	2,640.49	17.30	90.49	-167.07	1,553.40	-275.86	2,409.65	2,305.11	104.54	23.050		
3,000.00	2,825.77	2,731.77	2,731.77	18.00	93.68	-167.29	1,553.40	-275.86	2,449.63	2,341.41	108.22	22.635		
3,100.00	2,917.06	2,823.06	2,823.06	18.69	96.86	-167.49	1,553.40	-275.86	2,489.64	2,377.73	111.91	22.248		
3,200.00	3,008.34	2,914.34	2,914.34	19.39	100.05	-167.69	1,553.40	-275.86	2,529.67	2,414.08	115.59	21.885		
3,300.00	3,099.63	3,005.63	3,005.63	20.09	103.23	-167.89	1,553.40	-275.86	2,569.72	2,450.45	119.28	21.544		
3,400.00	3,190.91	3,103.09	3,096.91	20.79	106.63	-168.07	1,553.40	-275.86	2,609.80	2,486.62	123.18	21.187		
3,500.00	3,282.20	3,188.20	3,188.20	21.49	109.60	-168.26	1,553.40	-275.86	2,649.90	2,523.25	126.65	20.923		
3,600.00	3,373.48	3,279.48	3,279.48	22.19	112.79	-168.43	1,553.40	-275.86	2,690.03	2,559.69	130.34	20.639		
3,700.00	3,464.77	3,370.77	3,370.77	22.89	115.97	-168.60	1,553.40	-275.86	2,730.17	2,596.15	134.03	20.370		
3,800.00	3,556.05	3,462.05	3,462.05	23.60	119.16	-168.77	1,553.40	-275.86	2,770.34	2,632.62	137.72	20.116		
3,900.00	3,647.34	3,553.34	3,553.34	24.30	122.35	-168.93	1,553.40	-275.86	2,810.52	2,669.12	141.41	19.875		
4,000.00	3,738.62	3,644.62	3,644.62	25.00	125.53	-169.09	1,553.40	-275.86	2,850.73	2,705.63	145.10	19.647		
4,100.00	3,829.91	3,735.91	3,735.91	25.71	128.72	-169.24	1,553.40	-275.86	2,890.95	2,742.16	148.79	19.429		
4,200.00	3,921.19	3,827.19	3,827.19	26.42	131.90	-169.39	1,553.40	-275.86	2,931.19	2,778.70	152.48	19.223		
4,300.00	4,012.48	3,918.48	3,918.48	27.12	135.09	-169.53	1,553.40	-275.86	2,971.44	2,815.26	156.18	19.026		
4,400.00	4,103.76	4,009.76	4,009.76	27.83	138.27	-169.67	1,553.40	-275.86	3,011.71	2,851.84	159.87	18.838		
4,500.00	4,195.05	4,101.05	4,101.05	28.54	141.46	-169.81	1,553.40	-275.86	3,051.99	2,888.43	163.56	18.659		
4,600.00	4,286.33	4,207.67	4,192.33	29.24	145.18	-169.95	1,553.40	-275.86	3,092.29	2,924.50	167.79	18.429		
4,700.00	4,377.62	4,283.62	4,283.62	29.95	147.83	-170.08	1,553.40	-275.86	3,132.60	2,961.65	170.95	18.324		
4,800.00	4,468.90	4,374.90	4,374.90	30.66	151.02	-170.20	1,553.40	-275.86	3,172.93	2,998.28	174.65	18.167		
4,900.00	4,560.19	4,466.19	4,466.19	31.37	154.20	-170.33	1,553.40	-275.86	3,213.27	3,034.92	178.34	18.017		
5,000.00	4,651.47	4,557.47	4,557.47	32.08	157.39	-170.45	1,553.40	-275.86	3,253.62	3,071.58	182.04	17.873		

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-14C-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-14C-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			
5,100.00	4,742.76	4,648.76	4,648.76	32.79	160.58	-170.56	1,553.40	-275.86	3,293.98	3,108.24	185.74	17.735			
5,200.00	4,834.04	4,740.04	4,740.04	33.50	163.76	-170.68	1,553.40	-275.86	3,334.35	3,144.92	189.43	17.602			
5,300.00	4,925.33	4,831.33	4,831.33	34.21	166.95	-170.79	1,553.40	-275.86	3,374.74	3,181.61	193.13	17.474			
5,400.00	5,016.61	4,922.61	4,922.61	34.92	170.13	-170.90	1,553.40	-275.86	3,415.13	3,218.31	196.83	17.351			
5,500.00	5,107.90	5,013.90	5,013.90	35.63	173.32	-171.01	1,553.40	-275.86	3,455.54	3,255.01	200.52	17.232			
5,600.00	5,199.18	5,105.18	5,105.18	36.34	176.51	-171.11	1,553.40	-275.86	3,495.95	3,291.73	204.22	17.118			
5,700.00	5,290.46	5,203.54	5,196.46	37.05	179.94	-171.21	1,553.40	-275.86	3,536.38	3,328.21	208.17	16.988			
5,800.00	5,381.75	5,287.75	5,287.75	37.76	182.88	-171.31	1,553.40	-275.86	3,576.81	3,365.19	211.62	16.902			
5,900.00	5,473.03	5,379.03	5,379.03	38.47	186.07	-171.41	1,553.40	-275.86	3,617.25	3,401.94	215.32	16.800			
6,000.00	5,564.32	5,470.32	5,470.32	39.18	189.25	-171.51	1,553.40	-275.86	3,657.71	3,438.69	219.02	16.701			
6,100.00	5,655.60	5,561.60	5,561.60	39.90	192.44	-171.60	1,553.40	-275.86	3,698.17	3,475.45	222.71	16.605			
6,200.00	5,746.89	5,652.89	5,652.89	40.61	195.62	-171.69	1,553.40	-275.86	3,738.63	3,512.22	226.41	16.512			
6,300.00	5,838.17	5,744.17	5,744.17	41.32	198.81	-171.78	1,553.40	-275.86	3,779.11	3,549.00	230.11	16.423			
6,400.00	5,929.46	5,835.46	5,835.46	42.03	202.00	-171.87	1,553.40	-275.86	3,819.59	3,585.78	233.81	16.336			
6,500.00	6,020.74	5,926.74	5,926.74	42.74	205.18	-171.95	1,553.40	-275.86	3,860.08	3,622.57	237.51	16.252			
6,600.00	6,112.03	6,018.03	6,018.03	43.46	208.37	-172.04	1,553.40	-275.86	3,900.58	3,659.37	241.21	16.171			
6,700.00	6,203.31	6,109.31	6,109.31	44.17	211.56	-172.12	1,553.40	-275.86	3,941.08	3,696.17	244.91	16.092			
6,800.00	6,294.60	6,200.60	6,200.60	44.88	214.74	-172.20	1,553.40	-275.86	3,981.60	3,732.98	248.61	16.015			
6,900.00	6,385.88	6,308.12	6,291.88	45.59	218.50	-172.28	1,553.40	-275.86	4,022.11	3,769.23	252.88	15.905			
6,927.91	6,411.36	6,317.36	6,317.36	45.79	218.82	-172.30	1,553.40	-275.86	4,033.42	3,780.07	253.35	15.920			
6,950.00	6,431.59	6,337.59	6,337.59	45.95	219.52	-172.26	1,553.40	-275.86	4,042.26	3,788.09	254.17	15.904			
7,000.00	6,477.77	6,383.77	6,383.77	46.27	221.14	-170.67	1,553.40	-275.86	4,061.37	3,805.34	256.03	15.863			
7,050.00	6,524.26	6,430.26	6,430.26	46.56	222.76	-157.88	1,553.40	-275.86	4,079.15	3,821.26	257.89	15.817			
7,100.00	6,570.76	6,476.76	6,476.76	46.81	224.38	-145.24	1,553.40	-275.86	4,095.52	3,835.77	259.75	15.767			
7,150.00	6,617.00	6,523.00	6,523.00	47.02	226.00	-133.63	1,553.40	-275.86	4,110.37	3,848.79	261.58	15.713			
7,200.00	6,662.68	6,568.68	6,568.68	47.20	227.59	-123.60	1,553.40	-275.86	4,123.67	3,860.28	263.39	15.656			
7,250.00	6,707.53	6,613.53	6,613.53	47.34	229.16	-115.31	1,553.40	-275.86	4,135.35	3,870.19	265.16	15.596			
7,300.00	6,751.28	6,657.28	6,657.28	47.47	230.68	-108.62	1,553.40	-275.86	4,145.40	3,878.52	266.88	15.533			
7,350.00	6,793.64	6,700.36	6,699.64	47.57	232.19	-103.29	1,553.40	-275.86	4,153.81	3,885.23	268.58	15.466			
7,400.00	6,834.35	6,740.35	6,740.35	47.66	233.58	-99.08	1,553.40	-275.86	4,160.58	3,890.41	270.17	15.400			
7,450.00	6,873.18	6,779.18	6,779.18	47.75	234.94	-95.78	1,553.40	-275.86	4,165.72	3,894.00	271.72	15.331			
7,500.00	6,909.88	6,815.88	6,815.88	47.83	236.22	-93.21	1,553.40	-275.86	4,169.27	3,896.06	273.21	15.260			
7,550.00	6,944.21	6,850.21	6,850.21	47.91	237.42	-91.26	1,553.40	-275.86	4,171.27	3,896.64	274.63	15.189			
7,600.00	6,975.98	6,881.98	6,881.98	47.99	238.53	-89.80	1,553.40	-275.86	4,171.77	3,895.78	275.99	15.116			
7,650.00	7,004.98	6,910.98	6,910.98	48.09	239.54	-88.76	1,553.40	-275.86	4,170.83	3,893.54	277.28	15.042			
7,700.00	7,031.04	6,937.04	6,937.04	48.20	240.45	-88.07	1,553.40	-275.86	4,168.51	3,889.99	278.51	14.967			
7,750.00	7,053.99	6,959.99	6,959.99	48.32	241.25	-87.69	1,553.40	-275.86	4,164.88	3,885.20	279.68	14.892			
7,800.00	7,073.70	6,979.70	6,979.70	48.46	241.94	-87.56	1,553.40	-275.86	4,160.01	3,879.23	280.78	14.816			
7,850.00	7,090.03	7,003.97	6,996.03	48.62	242.79	-87.67	1,553.40	-275.86	4,153.98	3,871.89	282.09	14.726			
7,900.00	7,102.90	7,008.90	7,008.90	48.81	242.96	-87.98	1,553.40	-275.86	4,146.85	3,864.08	282.78	14.665			
7,950.00	7,112.22	7,018.22	7,018.22	49.02	243.28	-88.47	1,553.40	-275.86	4,138.71	3,855.04	283.67	14.590			
8,000.00	7,117.94	7,023.94	7,023.94	49.26	243.48	-89.13	1,553.40	-275.86	4,129.61	3,845.13	284.49	14.516			
8,047.82	7,120.00	7,026.00	7,026.00	49.51	243.55	-89.90	1,553.40	-275.86	4,120.08	3,834.89	285.19	14.447			
8,100.00	7,120.42	7,026.42	7,026.42	49.82	243.57	-89.91	1,553.40	-275.86	4,109.57	3,823.64	285.93	14.373			
8,200.00	7,121.24	7,027.24	7,027.24	50.53	243.60	-89.92	1,553.40	-275.86	4,091.22	3,803.72	287.50	14.231			
8,300.00	7,122.05	7,028.05	7,028.05	51.39	243.63	-89.93	1,553.40	-275.86	4,075.23	3,786.01	289.23	14.090			
8,400.00	7,122.86	7,028.86	7,028.86	52.42	243.65	-89.94	1,553.40	-275.86	4,061.65	3,770.55	291.10	13.953			
8,500.00	7,123.68	7,029.68	7,029.68	53.63	243.68	-89.95	1,553.40	-275.86	4,050.49	3,757.39	293.11	13.819			
8,600.00	7,124.49	7,030.49	7,030.49	55.01	243.71	-89.96	1,553.40	-275.86	4,041.78	3,746.56	295.22	13.691			
8,700.00	7,125.30	7,031.30	7,031.30	56.54	243.74	-89.98	1,553.40	-275.86	4,035.52	3,738.10	297.42	13.568			

CC - Min centre 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-14C-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-14C-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		
8,800.00	7,126.12	7,032.12	7,032.12	58.21	243.77	89.99	1,553.40	-275.86	4,031.74	3,732.04	299.70	13.453		
8,900.00	7,126.93	7,032.93	7,032.93	60.01	243.80	90.00	1,553.40	-275.86	4,030.43	3,728.40	302.03	13.344		
8,902.63	7,126.95	7,032.95	7,032.95	60.06	243.80	90.00	1,553.40	-275.86	4,030.43	3,728.34	302.10	13.342		
9,000.00	7,127.75	7,033.75	7,033.75	61.92	243.83	90.01	1,553.40	-275.86	4,031.61	3,727.19	304.41	13.244		
9,100.00	7,128.56	7,034.56	7,034.56	63.92	243.85	90.02	1,553.40	-275.86	4,035.26	3,728.43	306.83	13.152		
9,200.00	7,129.37	7,035.37	7,035.37	66.01	243.88	90.03	1,553.40	-275.86	4,041.39	3,732.13	309.26	13.068		
9,300.00	7,130.19	7,036.19	7,036.19	68.16	243.91	90.05	1,553.40	-275.86	4,049.97	3,738.28	311.69	12.993		
9,400.00	7,131.00	7,037.00	7,037.00	70.38	243.94	90.06	1,553.40	-275.86	4,061.00	3,746.87	314.13	12.928		
9,500.00	7,131.81	7,037.81	7,037.81	72.65	243.97	90.07	1,553.40	-275.86	4,074.46	3,757.90	316.55	12.871		
9,600.00	7,132.63	7,038.63	7,038.63	74.97	244.00	90.08	1,553.40	-275.86	4,090.31	3,771.36	318.96	12.824		
9,700.00	7,133.44	7,039.44	7,039.44	77.33	244.02	90.09	1,553.40	-275.86	4,108.54	3,787.21	321.33	12.786		
9,800.00	7,134.25	7,040.25	7,040.25	79.72	244.05	90.10	1,553.40	-275.86	4,129.12	3,805.44	323.68	12.757		
9,900.00	7,135.07	7,041.07	7,041.07	82.16	244.08	90.12	1,553.40	-275.86	4,151.99	3,826.02	325.98	12.737		
10,000.00	7,135.88	7,041.88	7,041.88	84.62	244.11	90.13	1,553.40	-275.86	4,177.14	3,848.91	328.23	12.726		
10,100.00	7,136.70	7,042.70	7,042.70	87.11	244.14	90.14	1,553.40	-275.86	4,204.52	3,874.08	330.44	12.724 SF		
10,200.00	7,137.51	7,043.51	7,043.51	89.62	244.17	90.15	1,553.40	-275.86	4,234.08	3,901.48	332.60	12.730		
10,300.00	7,138.32	7,044.32	7,044.32	92.16	244.19	90.16	1,553.40	-275.86	4,265.78	3,931.09	334.69	12.745		
10,400.00	7,139.14	7,045.14	7,045.14	94.71	244.22	90.17	1,553.40	-275.86	4,299.57	3,962.84	336.73	12.768		
10,500.00	7,139.95	7,045.95	7,045.95	97.29	244.25	90.18	1,553.40	-275.86	4,335.41	3,996.70	338.71	12.800		
10,600.00	7,140.76	7,046.76	7,046.76	99.88	244.28	90.20	1,553.40	-275.86	4,373.24	4,032.61	340.63	12.839		
10,700.00	7,141.58	7,047.58	7,047.58	102.48	244.31	90.21	1,553.40	-275.86	4,413.01	4,070.53	342.49	12.885		
10,800.00	7,142.39	7,048.39	7,048.39	105.10	244.34	90.22	1,553.40	-275.86	4,454.68	4,110.40	344.28	12.939		
10,900.00	7,143.20	7,049.20	7,049.20	107.74	244.36	90.23	1,553.40	-275.86	4,498.18	4,152.17	346.01	13.000		
11,000.00	7,144.02	7,050.02	7,050.02	110.38	244.39	90.24	1,553.40	-275.86	4,543.46	4,195.79	347.67	13.068		
11,100.00	7,144.83	7,050.83	7,050.83	113.04	244.42	90.25	1,553.40	-275.86	4,590.48	4,241.20	349.28	13.143		
11,200.00	7,145.65	7,051.65	7,051.65	115.71	244.45	90.27	1,553.40	-275.86	4,639.17	4,288.35	350.82	13.224		
11,300.00	7,146.46	7,052.46	7,052.46	118.38	244.48	90.28	1,553.40	-275.86	4,689.50	4,337.20	352.30	13.311		
11,400.00	7,147.27	7,053.27	7,053.27	121.07	244.51	90.29	1,553.40	-275.86	4,741.39	4,387.67	353.72	13.404		
11,500.00	7,148.09	7,054.09	7,054.09	123.76	244.54	90.30	1,553.40	-275.86	4,794.81	4,439.73	355.08	13.503		
11,600.00	7,148.90	7,054.90	7,054.90	126.46	244.56	90.31	1,553.40	-275.86	4,849.71	4,493.33	356.38	13.608		
11,700.00	7,149.71	7,055.71	7,055.71	129.17	244.59	90.32	1,553.40	-275.86	4,906.03	4,548.40	357.63	13.718		
11,800.00	7,150.53	7,056.53	7,056.53	131.89	244.62	90.34	1,553.40	-275.86	4,963.72	4,604.90	358.83	13.833		
11,900.00	7,151.34	7,057.34	7,057.34	134.61	244.65	90.35	1,553.40	-275.86	5,022.75	4,662.78	359.97	13.953		
12,000.00	7,152.16	7,058.16	7,058.16	137.34	244.68	90.36	1,553.40	-275.86	5,083.05	4,721.99	361.06	14.078		
12,100.00	7,152.97	7,058.97	7,058.97	140.07	244.71	90.37	1,553.40	-275.86	5,144.59	4,782.49	362.11	14.207		
12,200.00	7,153.78	7,059.78	7,059.78	142.81	244.73	90.38	1,553.40	-275.86	5,207.33	4,844.23	363.10	14.341		
12,300.00	7,154.60	7,060.60	7,060.60	145.55	244.76	90.39	1,553.40	-275.86	5,271.22	4,907.16	364.05	14.479		
12,400.00	7,155.41	7,061.41	7,061.41	148.30	244.79	90.40	1,553.40	-275.86	5,336.21	4,971.25	364.96	14.621		
12,500.00	7,156.22	7,062.22	7,062.22	151.05	244.82	90.42	1,553.40	-275.86	5,402.27	5,036.45	365.83	14.767		
12,600.00	7,157.04	7,063.04	7,063.04	153.80	244.85	90.43	1,553.40	-275.86	5,469.37	5,102.71	366.65	14.917		
12,700.00	7,157.85	7,063.85	7,063.85	156.56	244.88	90.44	1,553.40	-275.86	5,537.46	5,170.01	367.44	15.070		
12,800.00	7,158.66	7,064.66	7,064.66	159.33	244.90	90.45	1,553.40	-275.86	5,606.50	5,238.31	368.19	15.227		
12,900.00	7,159.48	7,065.48	7,065.48	162.09	244.93	90.46	1,553.40	-275.86	5,676.47	5,307.56	368.91	15.387		
13,000.00	7,160.29	7,066.29	7,066.29	164.86	244.96	90.47	1,553.40	-275.86	5,747.32	5,377.73	369.59	15.550		
13,100.00	7,161.11	7,067.11	7,067.11	167.64	244.99	90.49	1,553.40	-275.86	5,819.03	5,448.78	370.24	15.717		
13,209.97	7,162.00	7,068.00	7,068.00	170.69	245.02	90.50	1,553.40	-275.86	5,898.84	5,527.91	370.93	15.903		
13,210.89	7,162.01	7,068.01	7,068.01	170.72	245.02	90.50	1,553.40	-275.86	5,899.51	5,528.58	370.93	15.905		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 - Jeff #1 - 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	-125.62	-2,190.39	-3,057.14	3,760.86					
100.00	100.00	77.81	77.81	3.28	3.28	-125.62	-2,190.51	-3,057.15	3,760.93	3,754.36	6.57	572.530		
200.00	200.00	218.35	218.34	3.34	3.36	-125.63	-2,190.72	-3,056.46	3,760.62	3,753.92	6.70	561.605		
300.00	299.98	302.72	302.72	3.44	3.45	82.73	-2,190.31	-3,056.07	3,759.74	3,752.85	6.89	545.396		
400.00	399.84	381.73	381.73	3.59	3.57	82.81	-2,189.96	-3,056.16	3,758.91	3,751.75	7.16	524.743		
500.00	499.45	519.02	519.01	3.79	3.84	83.03	-2,189.47	-3,055.77	3,757.38	3,749.75	7.63	492.229		
600.00	598.70	588.02	588.01	4.04	4.01	83.20	-2,189.17	-3,055.57	3,755.41	3,747.38	8.04	467.220		
700.00	697.47	721.08	721.07	4.32	4.36	83.56	-2,188.40	-3,055.11	3,752.95	3,744.27	8.68	432.601		
800.00	795.62	792.64	792.62	4.64	4.57	83.83	-2,187.84	-3,054.94	3,750.15	3,740.95	9.21	407.325		
900.00	893.06	909.69	909.67	5.01	4.93	84.29	-2,187.38	-3,054.54	3,747.26	3,737.33	9.93	377.324		
1,000.00	989.64	997.87	997.85	5.41	5.21	84.70	-2,187.30	-3,053.89	3,744.00	3,733.38	10.62	352.594		
1,100.00	1,085.27	1,087.60	1,087.58	5.85	5.52	85.16	-2,187.26	-3,053.36	3,740.76	3,729.40	11.36	329.294		
1,200.00	1,179.82	1,176.31	1,176.29	6.33	5.83	85.66	-2,187.26	-3,052.98	3,737.63	3,725.48	12.15	307.722		
1,300.00	1,273.17	1,263.88	1,263.86	6.84	6.14	86.20	-2,187.29	-3,052.75	3,734.69	3,721.72	12.98	287.810		
1,404.90	1,369.69	1,354.40	1,354.37	7.43	6.47	86.80	-2,187.36	-3,052.66	3,731.92	3,718.02	13.89	268.590		
1,500.00	1,456.50	1,435.78	1,435.76	8.00	6.77	87.31	-2,187.45	-3,052.70	3,729.84	3,715.08	14.76	252.691		
1,600.00	1,547.79	1,525.84	1,525.82	8.61	7.11	87.87	-2,187.56	-3,052.90	3,728.22	3,712.51	15.71	237.294		
1,700.00	1,639.07	1,632.83	1,632.80	9.23	7.52	88.55	-2,186.95	-3,053.29	3,726.86	3,710.11	16.75	222.536		
1,800.00	1,730.36	1,739.15	1,739.12	9.87	7.93	89.23	-2,186.10	-3,053.19	3,725.47	3,707.67	17.80	209.314		
1,900.00	1,821.64	1,830.46	1,830.43	10.52	8.29	89.81	-2,185.58	-3,052.83	3,724.42	3,705.62	18.81	198.051		
2,000.00	1,912.93	1,920.18	1,920.14	11.18	8.64	90.38	-2,184.97	-3,052.56	3,723.85	3,704.03	19.82	187.911		
2,069.52	1,976.38	1,983.02	1,982.98	11.64	8.89	90.78	-2,184.49	-3,052.42	3,723.73	3,703.20	20.53	181.397		
2,100.00	2,004.21	2,010.04	2,010.00	11.84	9.00	90.95	-2,184.28	-3,052.36	3,723.75	3,702.92	20.84	178.696		
2,200.00	2,095.50	2,096.05	2,096.01	12.51	9.34	91.49	-2,183.87	-3,052.13	3,724.20	3,702.35	21.85	170.427		
2,300.00	2,186.78	2,182.92	2,182.87	13.19	9.69	92.04	-2,183.28	-3,052.10	3,725.22	3,702.34	22.88	162.848		
2,400.00	2,278.06	2,297.25	2,297.19	13.86	10.15	92.79	-2,181.41	-3,052.34	3,726.54	3,702.52	24.02	155.167		
2,500.00	2,369.35	2,420.94	2,420.85	14.55	10.66	93.60	-2,178.54	-3,051.81	3,727.51	3,702.31	25.20	147.911		
2,600.00	2,460.63	2,513.72	2,513.60	15.23	11.04	94.20	-2,176.51	-3,050.86	3,728.55	3,702.29	26.26	141.964		
2,700.00	2,551.92	2,583.72	2,583.58	15.92	11.32	94.65	-2,174.94	-3,050.40	3,730.35	3,703.11	27.24	136.962		
2,800.00	2,643.20	2,666.56	2,666.40	16.61	11.66	95.19	-2,172.95	-3,050.30	3,733.01	3,704.74	28.26	132.080		
2,900.00	2,734.49	2,763.15	2,762.97	17.30	12.06	95.82	-2,170.91	-3,050.07	3,736.17	3,706.82	29.35	127.303		
3,000.00	2,825.77	2,847.02	2,846.82	18.00	12.41	96.37	-2,169.19	-3,049.74	3,739.70	3,709.32	30.38	123.088		
3,100.00	2,917.06	2,929.91	2,929.70	18.69	12.75	96.90	-2,167.79	-3,049.64	3,744.04	3,712.63	31.41	119.191		
3,200.00	3,008.34	3,022.16	3,021.93	19.39	13.13	97.48	-2,167.06	-3,049.07	3,748.72	3,716.23	32.48	115.410		
3,300.00	3,099.63	3,085.13	3,084.91	20.09	13.39	97.87	-2,166.99	-3,048.86	3,754.29	3,720.86	33.42	112.321		
3,400.00	3,190.91	3,163.12	3,162.90	20.79	13.72	98.35	-2,167.01	-3,049.06	3,760.84	3,726.41	34.43	109.230		
3,500.00	3,282.20	3,236.71	3,236.48	21.49	14.02	98.81	-2,166.85	-3,049.54	3,768.11	3,732.69	35.42	106.398		
3,600.00	3,373.48	3,306.86	3,306.63	22.19	14.31	99.23	-2,167.50	-3,050.19	3,776.36	3,739.98	36.38	103.796		
3,700.00	3,464.77	3,416.22	3,415.98	22.89	14.76	99.89	-2,168.65	-3,051.00	3,784.89	3,747.36	37.53	100.857		
3,800.00	3,556.05	3,478.75	3,478.51	23.60	15.02	100.27	-2,169.26	-3,051.66	3,794.10	3,755.65	38.46	98.659		
3,900.00	3,647.34	3,612.38	3,612.11	24.30	15.58	101.06	-2,171.01	-3,053.01	3,803.86	3,764.15	39.71	95.784		
4,000.00	3,738.62	3,719.50	3,719.23	25.00	16.03	101.71	-2,171.32	-3,053.36	3,813.08	3,772.24	40.85	93.353		
4,100.00	3,829.91	3,792.77	3,792.50	25.71	16.34	102.15	-2,171.43	-3,053.70	3,822.78	3,780.95	41.82	91.405		
4,200.00	3,921.19	3,892.11	3,891.84	26.42	16.75	102.74	-2,171.79	-3,054.15	3,832.94	3,790.02	42.92	89.308		
4,300.00	4,012.48	3,993.57	3,993.30	27.12	17.18	103.34	-2,172.11	-3,054.35	3,843.27	3,799.25	44.02	87.303		
4,400.00	4,103.76	4,095.10	4,094.83	27.83	17.60	103.94	-2,172.39	-3,054.28	3,853.77	3,808.64	45.13	85.401		
4,500.00	4,195.05	4,196.71	4,196.43	28.54	18.03	104.54	-2,172.61	-3,053.96	3,864.41	3,818.19	46.23	83.596		
4,600.00	4,286.33	4,298.39	4,298.11	29.24	18.46	105.13	-2,172.79	-3,053.36	3,875.22	3,827.89	47.33	81.880		
4,700.00	4,377.62	4,400.13	4,399.85	29.95	18.88	105.72	-2,172.92	-3,052.51	3,886.17	3,837.74	48.43	80.247		
4,800.00	4,468.90	4,466.62	4,466.34	30.66	19.16	106.11	-2,172.95	-3,052.09	3,897.68	3,848.32	49.36	78.965		
4,900.00	4,560.19	4,564.32	4,564.04	31.37	19.57	106.67	-2,172.84	-3,051.92	3,909.98	3,859.55	50.44	77.524		

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-14C-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-14C-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			
5,000.00	4,651.47	4,638.12	4,637.84	32.08	19.88	107.10	-2,172.71	-3,051.59	3,922.44	3,871.04	51.40	76.319			
5,100.00	4,742.76	4,700.00	4,699.72	32.79	20.15	107.46	-2,172.74	-3,051.94	3,936.12	3,883.83	52.29	75.274			
5,200.00	4,834.04	4,805.29	4,805.00	33.50	20.59	108.06	-2,172.51	-3,052.79	3,950.46	3,897.06	53.40	73.982			
5,300.00	4,925.33	4,872.71	4,872.41	34.21	20.87	108.45	-2,171.92	-3,053.37	3,965.10	3,910.78	54.31	73.006			
5,400.00	5,016.61	5,014.90	5,014.60	34.92	21.48	109.27	-2,170.65	-3,054.36	3,980.10	3,924.50	55.60	71.586			
5,500.00	5,107.90	5,066.99	5,066.69	35.63	21.70	109.57	-2,170.45	-3,054.61	3,995.14	3,938.71	56.43	70.796			
5,600.00	5,199.18	5,179.93	5,179.62	36.34	22.17	110.20	-2,170.23	-3,055.41	4,010.92	3,953.36	57.57	69.671			
5,700.00	5,290.46	5,255.34	5,255.03	37.05	22.49	110.62	-2,170.06	-3,055.56	4,026.57	3,968.05	58.51	68.814			
5,800.00	5,381.75	5,349.34	5,349.02	37.76	22.89	111.14	-2,169.53	-3,056.33	4,043.10	3,983.55	59.55	67.895			
5,900.00	5,473.03	5,446.54	5,446.22	38.47	23.30	111.68	-2,168.64	-3,056.54	4,059.38	3,998.78	60.60	66.988			
6,000.00	5,564.32	5,516.74	5,516.41	39.18	23.60	112.08	-2,167.74	-3,057.06	4,076.47	4,014.97	61.50	66.280			
6,100.00	5,655.60	5,607.93	5,607.59	39.90	23.99	112.59	-2,166.37	-3,057.91	4,094.11	4,031.60	62.52	65.490			
6,200.00	5,746.89	5,690.07	5,689.72	40.61	24.33	113.04	-2,165.44	-3,058.75	4,112.21	4,048.73	63.48	64.784			
6,300.00	5,838.17	5,792.27	5,791.91	41.32	24.77	113.60	-2,164.36	-3,059.76	4,130.64	4,066.09	64.54	63.999			
6,400.00	5,929.46	5,918.25	5,917.88	42.03	25.30	114.28	-2,162.89	-3,060.15	4,148.75	4,083.02	65.73	63.116			
6,500.00	6,020.74	5,990.55	5,990.17	42.74	25.61	114.66	-2,162.10	-3,060.30	4,167.15	4,100.52	66.63	62.539			
6,600.00	6,112.03	6,114.55	6,114.17	43.46	26.13	115.31	-2,161.34	-3,060.40	4,185.80	4,117.99	67.81	61.730			
6,700.00	6,203.31	6,220.62	6,220.24	44.17	26.58	115.86	-2,160.82	-3,059.84	4,204.21	4,135.32	68.89	61.032			
6,800.00	6,294.60	6,268.48	6,268.10	44.88	26.79	116.11	-2,160.56	-3,059.86	4,223.33	4,153.68	69.65	60.639			
6,900.00	6,385.88	6,367.36	6,366.97	45.59	27.21	116.62	-2,160.00	-3,060.31	4,243.27	4,172.59	70.68	60.034			
6,927.91	6,411.36	6,409.02	6,408.63	45.79	27.38	116.83	-2,159.64	-3,060.28	4,248.75	4,177.71	71.05	59.803			
6,950.00	6,431.59	6,420.41	6,420.02	45.95	27.43	112.76	-2,159.56	-3,060.27	4,252.73	4,181.51	71.21	59.717			
7,000.00	6,477.77	6,457.07	6,456.68	46.27	27.59	102.60	-2,159.37	-3,060.29	4,259.05	4,187.41	71.64	59.450			
7,050.00	6,524.26	6,494.09	6,493.70	46.56	27.75	91.50	-2,159.33	-3,060.39	4,261.65	4,189.61	72.04	59.155			
7,100.00	6,570.76	6,553.64	6,553.25	46.81	28.00	80.46	-2,159.35	-3,060.55	4,260.40	4,187.86	72.54	58.732			
7,150.00	6,617.00	6,616.88	6,616.49	47.02	28.27	70.28	-2,159.17	-3,060.47	4,255.12	4,182.10	73.02	58.273			
7,200.00	6,662.68	6,648.88	6,648.49	47.20	28.40	61.35	-2,159.20	-3,060.47	4,246.07	4,172.78	73.29	57.934			
7,250.00	6,707.53	6,715.58	6,684.03	47.34	28.69	53.99	-2,159.33	-3,060.49	4,233.33	4,159.65	73.68	57.456			
7,300.00	6,751.28	6,728.34	6,727.95	47.47	28.74	48.13	-2,159.67	-3,060.61	4,216.98	4,143.16	73.82	57.128			
7,350.00	6,793.64	6,770.88	6,770.49	47.57	28.92	43.49	-2,160.01	-3,060.71	4,197.04	4,122.99	74.05	56.679			
7,400.00	6,834.35	6,811.78	6,811.39	47.66	29.09	39.84	-2,160.32	-3,060.82	4,173.63	4,099.39	74.25	56.212			
7,450.00	6,873.18	6,850.80	6,850.40	47.75	29.26	37.00	-2,160.63	-3,060.92	4,146.90	4,072.49	74.41	55.727			
7,500.00	6,909.88	6,887.68	6,887.28	47.83	29.41	34.82	-2,160.92	-3,061.01	4,117.01	4,042.45	74.55	55.223			
7,550.00	6,944.21	6,922.21	6,921.81	47.91	29.56	33.19	-2,161.19	-3,061.10	4,084.12	4,009.45	74.66	54.700			
7,600.00	6,975.98	6,954.16	6,953.76	47.99	29.70	32.05	-2,161.43	-3,061.18	4,048.43	3,973.68	74.75	54.159			
7,650.00	7,004.98	6,983.35	6,982.95	48.09	29.82	31.35	-2,161.66	-3,061.25	4,010.17	3,935.35	74.82	53.599			
7,700.00	7,031.04	7,009.59	7,009.18	48.20	29.93	31.09	-2,161.87	-3,061.32	3,969.55	3,894.68	74.87	53.022			
7,750.00	7,053.99	7,032.72	7,032.31	48.32	30.03	31.31	-2,162.05	-3,061.38	3,926.81	3,851.91	74.90	52.428			
7,800.00	7,073.70	7,052.60	7,052.19	48.46	30.11	32.13	-2,162.20	-3,061.43	3,882.22	3,807.30	74.92	51.819			
7,850.00	7,090.03	7,069.10	7,068.70	48.62	30.18	33.78	-2,162.33	-3,061.47	3,836.04	3,761.11	74.93	51.197			
7,900.00	7,102.90	7,082.13	7,081.72	48.81	30.24	36.76	-2,162.43	-3,061.51	3,788.54	3,713.61	74.93	50.563			
7,950.00	7,112.22	7,091.60	7,091.19	49.02	30.28	42.35	-2,162.51	-3,061.53	3,740.01	3,665.09	74.92	49.921			
8,000.00	7,117.94	7,097.45	7,097.05	49.26	30.30	54.28	-2,162.55	-3,061.54	3,690.75	3,615.84	74.91	49.272			
8,047.82	7,120.00	7,099.64	7,099.23	49.51	30.31	83.25	-2,162.57	-3,061.55	3,643.21	3,568.32	74.89	48.648			
8,100.00	7,120.42	7,100.20	7,099.79	49.82	30.32	83.36	-2,162.57	-3,061.55	3,591.22	3,516.35	74.87	47.966			
8,200.00	7,121.24	7,101.26	7,100.86	50.53	30.32	83.55	-2,162.58	-3,061.55	3,491.60	3,416.77	74.83	46.659			
8,300.00	7,122.05	7,102.33	7,101.92	51.39	30.32	83.75	-2,162.59	-3,061.56	3,392.01	3,317.21	74.79	45.351			
8,400.00	7,122.86	7,103.39	7,102.99	52.42	30.33	83.94	-2,162.60	-3,061.56	3,292.43	3,217.68	74.76	44.042			
8,500.00	7,123.68	7,104.46	7,104.05	53.63	30.33	84.14	-2,162.61	-3,061.56	3,192.89	3,118.17	74.72	42.731			
8,600.00	7,124.49	7,105.53	7,105.12	55.01	30.34	84.34	-2,162.61	-3,061.57	3,093.37	3,018.68	74.69	41.418			

CC - Min centre 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-14C-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-14C-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			
8,700.00	7,125.30	7,106.59	7,106.19	56.54	30.34	84.54	-2,162.62	-3,061.57	2,993.88	2,919.23	74.65	40.104			
8,800.00	7,126.12	7,107.66	7,107.25	58.21	30.35	84.73	-2,162.63	-3,061.57	2,894.43	2,819.81	74.62	38.788			
8,900.00	7,126.93	7,108.72	7,108.32	60.01	30.35	84.93	-2,162.64	-3,061.57	2,795.02	2,720.43	74.59	37.470			
9,000.00	7,127.75	7,109.79	7,109.38	61.92	30.36	85.13	-2,162.65	-3,061.58	2,695.65	2,621.08	74.57	36.150			
9,100.00	7,128.56	7,110.85	7,110.45	63.92	30.36	85.32	-2,162.66	-3,061.58	2,596.33	2,521.78	74.55	34.827			
9,200.00	7,129.37	7,111.92	7,111.52	66.01	30.36	85.52	-2,162.66	-3,061.58	2,497.06	2,422.53	74.53	33.502			
9,300.00	7,130.19	7,112.99	7,112.58	68.16	30.37	85.72	-2,162.67	-3,061.58	2,397.86	2,323.33	74.53	32.174			
9,400.00	7,131.00	7,114.05	7,113.65	70.38	30.37	85.92	-2,162.68	-3,061.59	2,298.72	2,224.19	74.53	30.843			
9,500.00	7,131.81	7,115.12	7,114.71	72.65	30.38	86.12	-2,162.69	-3,061.59	2,199.66	2,125.12	74.54	29.509			
9,600.00	7,132.63	7,116.18	7,115.78	74.97	30.38	86.31	-2,162.70	-3,061.59	2,100.69	2,026.12	74.57	28.170			
9,700.00	7,133.44	7,117.25	7,116.84	77.33	30.39	86.51	-2,162.71	-3,061.60	2,001.82	1,927.20	74.62	26.827			
9,800.00	7,134.25	7,118.32	7,117.91	79.72	30.39	86.71	-2,162.71	-3,061.60	1,903.06	1,828.37	74.69	25.479			
9,900.00	7,135.07	7,119.38	7,118.98	82.16	30.40	86.91	-2,162.72	-3,061.60	1,804.45	1,729.65	74.80	24.125			
10,000.00	7,135.88	7,120.45	7,120.04	84.62	30.40	87.11	-2,162.73	-3,061.60	1,705.99	1,631.05	74.94	22.764			
10,100.00	7,136.70	7,121.51	7,121.11	87.11	30.41	87.31	-2,162.74	-3,061.61	1,607.72	1,532.58	75.14	21.395			
10,200.00	7,137.51	7,122.58	7,122.17	89.62	30.41	87.50	-2,162.75	-3,061.61	1,509.68	1,434.27	75.42	20.018			
10,300.00	7,138.32	7,123.65	7,123.24	92.16	30.41	87.70	-2,162.76	-3,061.61	1,411.92	1,336.13	75.79	18.630			
10,400.00	7,139.14	7,124.71	7,124.31	94.71	30.42	87.90	-2,162.76	-3,061.61	1,314.49	1,238.20	76.29	17.230			
10,500.00	7,139.95	7,125.78	7,125.37	97.29	30.42	88.10	-2,162.77	-3,061.62	1,217.47	1,140.50	76.97	15.817			
10,600.00	7,140.76	7,126.84	7,126.44	99.88	30.43	88.30	-2,162.78	-3,061.62	1,120.98	1,043.09	77.89	14.391			
10,700.00	7,141.58	7,127.91	7,127.50	102.48	30.43	88.50	-2,162.79	-3,061.62	1,025.17	946.01	79.16	12.951			
10,800.00	7,142.39	7,128.97	7,128.57	105.10	30.44	88.70	-2,162.80	-3,061.63	930.23	849.33	80.89	11.499			
10,900.00	7,143.20	7,130.04	7,129.63	107.74	30.44	88.90	-2,162.81	-3,061.63	836.47	753.16	83.31	10.041			
11,000.00	7,144.02	7,131.11	7,130.70	110.38	30.45	89.10	-2,162.81	-3,061.63	744.33	657.65	86.68	8.587			
11,100.00	7,144.83	7,132.17	7,131.77	113.04	30.45	89.30	-2,162.82	-3,061.63	654.51	563.07	91.43	7.158			
11,200.00	7,145.65	7,133.24	7,132.83	115.71	30.46	89.49	-2,162.83	-3,061.64	568.09	469.95	98.14	5.788			
11,300.00	7,146.46	7,134.30	7,133.90	118.38	30.46	89.69	-2,162.84	-3,061.64	486.90	379.36	107.54	4.527			
11,400.00	7,147.27	7,135.37	7,134.96	121.07	30.46	89.89	-2,162.85	-3,061.64	414.03	293.72	120.30	3.441			
11,500.00	7,148.09	7,136.44	7,136.03	123.76	30.47	90.09	-2,162.86	-3,061.64	354.62	218.53	136.10	2.606			
11,600.00	7,148.90	7,137.50	7,137.10	126.46	30.47	90.29	-2,162.86	-3,061.65	316.38	164.82	151.56	2.087			
11,678.32	7,149.54	7,138.34	7,137.93	128.59	30.48	90.45	-2,162.87	-3,061.65	306.54	147.64	158.90	1.929 CC			
11,700.00	7,149.71	7,138.57	7,138.16	129.17	30.48	90.49	-2,162.87	-3,061.65	307.30	147.59	159.72	1.924 ES, SF			
11,800.00	7,150.53	7,139.63	7,139.23	131.89	30.48	90.69	-2,162.88	-3,061.65	329.80	173.13	156.67	2.105			
11,900.00	7,151.34	7,140.70	7,140.29	134.61	30.49	90.89	-2,162.89	-3,061.65	378.29	231.60	146.69	2.579			
12,000.00	7,152.16	7,141.77	7,141.36	137.34	30.49	91.09	-2,162.90	-3,061.66	444.33	308.81	135.52	3.279			
12,100.00	7,152.97	7,142.83	7,142.42	140.07	30.50	91.29	-2,162.91	-3,061.66	521.31	395.49	125.82	4.143			
12,200.00	7,153.78	7,143.90	7,143.49	142.81	30.50	91.49	-2,162.91	-3,061.66	605.05	486.99	118.06	5.125			
12,300.00	7,154.60	7,144.96	7,144.56	145.55	30.51	91.69	-2,162.92	-3,061.67	693.11	581.13	111.99	6.189			
12,400.00	7,155.41	7,146.03	7,145.62	148.30	30.51	91.88	-2,162.93	-3,061.67	784.05	676.81	107.24	7.311			
12,500.00	7,156.22	7,147.09	7,146.69	151.05	30.51	92.08	-2,162.94	-3,061.67	876.95	773.47	103.48	8.474			
12,600.00	7,157.04	7,148.16	7,147.75	153.80	30.52	92.28	-2,162.95	-3,061.67	971.27	870.79	100.48	9.666			
12,700.00	7,157.85	7,149.23	7,148.82	156.56	30.52	92.48	-2,162.96	-3,061.68	1,066.62	968.58	98.04	10.879			
12,800.00	7,158.66	7,150.29	7,149.89	159.33	30.53	92.68	-2,162.96	-3,061.68	1,162.75	1,066.71	96.04	12.106			
12,900.00	7,159.48	7,151.36	7,150.95	162.09	30.53	92.88	-2,162.97	-3,061.68	1,259.48	1,165.10	94.38	13.344			
13,000.00	7,160.29	7,152.42	7,152.02	164.86	30.54	93.08	-2,162.98	-3,061.68	1,356.69	1,263.70	92.99	14.590			
13,100.00	7,161.11	7,153.49	7,153.08	167.64	30.54	93.28	-2,162.99	-3,061.69	1,454.27	1,362.47	91.81	15.841			
13,209.97	7,162.00	7,154.66	7,154.26	170.69	30.55	93.50	-2,163.00	-3,061.69	1,561.94	1,471.24	90.70	17.221			
13,210.89	7,162.01	7,154.67	7,154.27	170.72	30.55	93.50	-2,163.00	-3,061.69	1,562.84	1,472.14	90.69	17.232			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-117.80	-893.95	-1,695.63	1,916.85					
100.00	100.00	114.82	114.82	3.28	3.29	-117.79	-893.65	-1,695.46	1,916.58	1,910.01	6.57	291.534		
200.00	200.00	214.03	214.03	3.34	3.35	-117.80	-893.57	-1,694.98	1,916.11	1,909.42	6.69	286.342		
300.00	299.98	310.85	310.85	3.44	3.47	90.57	-893.72	-1,694.47	1,915.74	1,908.83	6.91	277.436		
400.00	399.84	406.60	406.59	3.59	3.62	90.71	-893.97	-1,694.13	1,915.61	1,908.40	7.21	265.764		
500.00	499.45	508.64	508.64	3.79	3.82	90.97	-894.14	-1,693.87	1,915.58	1,907.97	7.61	251.677		
509.17	508.57	517.16	517.15	3.81	3.84	91.00	-894.14	-1,693.85	1,915.58	1,907.93	7.65	250.370		
600.00	598.70	605.24	605.23	4.04	4.05	91.32	-894.13	-1,693.72	1,915.69	1,907.60	8.08	236.995		
700.00	697.47	692.29	692.29	4.32	4.28	91.72	-894.09	-1,693.97	1,916.35	1,907.75	8.60	222.895		
800.00	795.62	787.54	787.53	4.64	4.55	92.24	-894.25	-1,694.56	1,917.66	1,908.46	9.19	208.586		
900.00	893.06	890.73	890.72	5.01	4.87	92.90	-894.43	-1,695.11	1,919.26	1,909.39	9.87	194.414		
1,000.00	989.64	988.34	988.32	5.41	5.18	93.62	-894.25	-1,695.56	1,921.14	1,910.55	10.59	181.436		
1,100.00	1,085.27	1,089.62	1,089.61	5.85	5.52	94.46	-894.19	-1,695.81	1,923.50	1,912.13	11.37	169.186		
1,200.00	1,179.82	1,179.24	1,179.23	6.33	5.84	95.26	-894.44	-1,695.83	1,926.57	1,914.41	12.16	158.445		
1,300.00	1,273.17	1,261.45	1,261.44	6.84	6.13	96.03	-894.95	-1,696.10	1,930.93	1,917.96	12.97	148.885		
1,404.90	1,369.69	1,354.47	1,354.45	7.43	6.47	96.99	-895.23	-1,697.08	1,937.20	1,923.30	13.89	139.428		
1,500.00	1,456.50	1,451.29	1,451.26	8.00	6.83	98.13	-895.97	-1,697.68	1,943.66	1,928.84	14.81	131.201		
1,600.00	1,547.79	1,556.46	1,556.44	8.61	7.23	99.37	-896.62	-1,697.62	1,950.61	1,934.79	15.82	123.315		
1,700.00	1,639.07	1,656.71	1,656.68	9.23	7.61	100.54	-897.08	-1,697.01	1,957.83	1,941.01	16.82	116.395		
1,800.00	1,730.36	1,738.78	1,738.74	9.87	7.93	101.49	-897.21	-1,696.45	1,965.74	1,947.98	17.76	110.662		
1,900.00	1,821.64	1,811.45	1,811.41	10.52	8.21	102.34	-897.24	-1,696.73	1,975.33	1,956.66	18.68	105.773		
2,000.00	1,912.93	1,908.79	1,908.75	11.18	8.60	103.46	-897.63	-1,697.26	1,985.94	1,966.25	19.70	100.826		
2,100.00	2,004.21	2,001.70	2,001.67	11.84	8.97	104.52	-898.13	-1,697.56	1,997.16	1,976.46	20.71	96.456		
2,200.00	2,095.50	2,103.44	2,103.41	12.51	9.37	105.66	-898.66	-1,697.57	2,008.85	1,987.10	21.76	92.333		
2,300.00	2,186.78	2,186.94	2,186.90	13.19	9.71	106.59	-898.89	-1,697.58	2,021.25	1,998.52	22.73	88.923		
2,400.00	2,278.06	2,274.04	2,274.01	13.86	10.06	107.56	-898.98	-1,697.88	2,034.65	2,010.93	23.72	85.776		
2,500.00	2,369.35	2,369.22	2,369.18	14.55	10.44	108.60	-899.39	-1,698.20	2,048.82	2,024.08	24.75	82.788		
2,600.00	2,460.63	2,463.63	2,463.59	15.23	10.83	109.61	-899.86	-1,698.28	2,063.47	2,037.70	25.77	80.068		
2,700.00	2,551.92	2,556.54	2,556.49	15.92	11.21	110.60	-900.31	-1,698.29	2,078.73	2,051.95	26.79	77.602		
2,800.00	2,643.20	2,650.67	2,650.62	16.61	11.59	111.59	-900.66	-1,698.22	2,094.59	2,066.78	27.81	75.326		
2,900.00	2,734.49	2,742.32	2,742.27	17.30	11.97	112.53	-901.02	-1,698.04	2,110.98	2,082.17	28.81	73.264		
3,000.00	2,825.77	2,836.48	2,836.43	18.00	12.36	113.49	-901.69	-1,697.90	2,128.08	2,098.25	29.83	71.341		
3,100.00	2,917.06	2,932.71	2,932.66	18.69	12.76	114.45	-902.28	-1,697.38	2,145.43	2,114.58	30.85	69.535		
3,200.00	3,008.34	3,016.74	3,016.69	19.39	13.11	115.28	-902.62	-1,697.14	2,163.62	2,131.80	31.81	68.008		
3,300.00	3,099.63	3,111.64	3,111.59	20.09	13.50	116.21	-902.90	-1,696.91	2,182.44	2,149.61	32.83	66.486		
3,400.00	3,190.91	3,191.38	3,191.32	20.79	13.83	116.98	-903.15	-1,696.91	2,202.06	2,168.30	33.76	65.236		
3,500.00	3,282.20	3,274.50	3,274.44	21.49	14.18	117.77	-903.42	-1,697.25	2,222.62	2,187.92	34.70	64.057		
3,600.00	3,373.48	3,369.96	3,369.90	22.19	14.57	118.67	-903.73	-1,697.79	2,243.89	2,208.19	35.70	62.851		
3,700.00	3,464.77	3,460.93	3,460.87	22.89	14.95	119.50	-904.23	-1,698.11	2,265.48	2,228.80	36.68	61.765		
3,800.00	3,556.05	3,546.44	3,546.38	23.60	15.31	120.27	-904.49	-1,698.56	2,287.77	2,250.15	37.62	60.810		
3,900.00	3,647.34	3,639.72	3,639.65	24.30	15.70	121.10	-905.04	-1,699.28	2,310.75	2,272.14	38.60	59.858		
4,000.00	3,738.62	3,740.55	3,740.48	25.00	16.12	121.96	-906.11	-1,699.65	2,333.80	2,294.17	39.63	58.894		
4,100.00	3,829.91	3,829.02	3,828.94	25.71	16.50	122.70	-907.13	-1,699.90	2,357.22	2,316.65	40.58	58.092		
4,200.00	3,921.19	3,911.03	3,910.94	26.42	16.84	123.38	-908.00	-1,700.37	2,381.37	2,339.89	41.49	57.402		
4,300.00	4,012.48	3,989.41	3,989.32	27.12	17.17	124.02	-908.58	-1,701.16	2,406.39	2,364.03	42.37	56.800		
4,400.00	4,103.76	4,077.87	4,077.77	27.83	17.54	124.74	-908.95	-1,702.34	2,432.17	2,388.86	43.30	56.167		
4,500.00	4,195.05	4,165.87	4,165.76	28.54	17.91	125.45	-909.23	-1,703.57	2,458.43	2,414.20	44.23	55.580		
4,600.00	4,286.33	4,260.02	4,259.91	29.24	18.31	126.19	-909.13	-1,704.87	2,485.16	2,439.97	45.20	54.987		
4,700.00	4,377.62	4,368.00	4,367.87	29.95	18.76	127.06	-907.92	-1,705.73	2,511.96	2,465.72	46.24	54.325		
4,800.00	4,468.90	4,475.29	4,475.16	30.66	19.21	127.90	-906.73	-1,705.73	2,538.45	2,491.18	47.28	53.695		
4,900.00	4,560.19	4,571.62	4,571.49	31.37	19.61	128.64	-905.83	-1,705.35	2,564.97	2,516.73	48.24	53.169		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4,651.47	4,655.23	4,655.09	32.08	19.96	129.26	-905.45	-1,705.13	2,591.89	2,542.76	49.13	52.757		
5,100.00	4,742.76	4,751.35	4,751.20	32.79	20.37	129.97	-904.54	-1,705.04	2,619.45	2,569.36	50.09	52.296		
5,200.00	4,834.04	4,849.18	4,849.03	33.50	20.78	130.69	-903.66	-1,704.39	2,646.84	2,595.79	51.06	51.840		
5,300.00	4,925.33	4,942.17	4,942.02	34.21	21.17	131.34	-903.37	-1,704.03	2,674.70	2,622.70	51.99	51.441		
5,400.00	5,016.61	5,033.85	5,033.69	34.92	21.56	131.97	-903.05	-1,703.36	2,702.60	2,649.67	52.92	51.068		
5,500.00	5,107.90	5,107.37	5,107.21	35.63	21.87	132.47	-902.62	-1,703.16	2,731.27	2,677.55	53.73	50.836		
5,600.00	5,199.18	5,192.66	5,192.50	36.34	22.22	133.04	-902.03	-1,703.26	2,760.64	2,706.04	54.61	50.556		
5,700.00	5,290.46	5,280.10	5,279.93	37.05	22.59	133.61	-901.38	-1,703.51	2,790.47	2,734.98	55.50	50.283		
5,800.00	5,381.75	5,371.03	5,370.86	37.76	22.98	134.19	-900.71	-1,703.83	2,820.67	2,764.26	56.41	50.005		
5,900.00	5,473.03	5,459.79	5,459.62	38.47	23.35	134.75	-900.19	-1,704.21	2,851.16	2,793.85	57.30	49.756		
6,000.00	5,564.32	5,554.37	5,554.20	39.18	23.75	135.33	-899.74	-1,704.69	2,881.96	2,823.73	58.24	49.487		
6,100.00	5,655.60	5,644.93	5,644.76	39.90	24.13	135.87	-899.34	-1,704.98	2,912.86	2,853.72	59.14	49.253		
6,200.00	5,746.89	5,731.58	5,731.41	40.61	24.50	136.38	-898.96	-1,705.47	2,944.21	2,884.20	60.02	49.057		
6,300.00	5,838.17	5,827.60	5,827.42	41.32	24.91	136.93	-898.43	-1,705.89	2,975.75	2,914.79	60.96	48.818		
6,400.00	5,929.46	5,920.09	5,919.92	42.03	25.30	137.46	-898.00	-1,706.18	3,007.39	2,945.53	61.87	48.608		
6,500.00	6,020.74	6,005.31	6,005.13	42.74	25.66	137.93	-897.79	-1,706.67	3,039.41	2,976.67	62.73	48.451		
6,600.00	6,112.03	6,124.64	6,124.46	43.46	26.17	138.57	-897.61	-1,706.63	3,071.04	3,007.21	63.83	48.110		
6,700.00	6,203.31	6,198.06	6,197.88	44.17	26.48	138.96	-897.64	-1,706.68	3,102.97	3,038.36	64.61	48.027		
6,800.00	6,294.60	6,288.15	6,287.96	44.88	26.86	139.41	-898.11	-1,707.24	3,135.39	3,069.89	65.50	47.865		
6,900.00	6,385.88	6,359.78	6,359.59	45.59	27.16	139.76	-898.76	-1,708.02	3,168.26	3,102.00	66.26	47.812		
6,927.91	6,411.36	6,378.92	6,378.73	45.79	27.25	139.85	-898.91	-1,708.31	3,177.58	3,111.11	66.47	47.805		
6,950.00	6,431.59	6,394.10	6,393.91	45.95	27.31	135.53	-899.02	-1,708.57	3,184.67	3,118.04	66.63	47.797		
7,000.00	6,477.77	6,429.53	6,429.33	46.27	27.46	124.88	-899.18	-1,709.24	3,198.38	3,131.39	66.99	47.746		
7,050.00	6,524.26	6,465.25	6,465.04	46.56	27.61	113.44	-899.16	-1,709.95	3,208.80	3,141.47	67.33	47.659		
7,100.00	6,570.76	6,500.97	6,500.75	46.81	27.76	102.08	-898.94	-1,710.70	3,215.90	3,148.25	67.64	47.543		
7,150.00	6,617.00	6,539.13	6,538.90	47.02	27.93	91.70	-898.54	-1,711.55	3,219.62	3,151.68	67.94	47.387		
7,200.00	6,662.68	6,576.83	6,576.58	47.20	28.09	82.84	-898.03	-1,712.43	3,219.96	3,151.76	68.20	47.211		
7,250.00	6,707.53	6,633.53	6,633.26	47.34	28.33	75.83	-897.04	-1,713.71	3,216.89	3,148.32	68.58	46.909		
7,300.00	6,751.28	6,720.10	6,719.80	47.47	28.70	70.68	-895.18	-1,714.53	3,209.94	3,140.80	69.15	46.423		
7,350.00	6,793.64	6,756.55	6,756.25	47.57	28.85	66.47	-894.54	-1,714.79	3,199.49	3,130.19	69.30	46.171		
7,400.00	6,834.35	6,800.63	6,800.33	47.66	29.04	63.48	-893.91	-1,715.09	3,185.73	3,116.25	69.48	45.852		
7,450.00	6,873.18	6,837.14	6,836.83	47.75	29.19	61.38	-893.44	-1,715.37	3,168.83	3,099.24	69.58	45.542		
7,500.00	6,909.88	6,871.71	6,871.40	47.83	29.34	60.09	-892.95	-1,715.63	3,148.94	3,079.29	69.65	45.211		
7,550.00	6,944.21	6,904.29	6,903.98	47.91	29.48	59.51	-892.44	-1,715.88	3,126.22	3,056.53	69.69	44.858		
7,600.00	6,975.98	6,935.91	6,935.59	47.99	29.61	59.59	-891.88	-1,716.09	3,100.80	3,031.08	69.72	44.473		
7,650.00	7,004.98	6,964.68	6,964.35	48.09	29.73	60.27	-891.31	-1,716.26	3,072.85	3,003.11	69.73	44.065		
7,700.00	7,031.04	6,990.44	6,990.10	48.20	29.84	61.54	-890.75	-1,716.37	3,042.56	2,972.82	69.73	43.631		
7,750.00	7,053.99	7,013.79	7,013.44	48.32	29.94	63.42	-890.21	-1,716.46	3,010.12	2,940.39	69.73	43.167		
7,800.00	7,073.70	7,034.28	7,033.94	48.46	30.03	65.91	-889.73	-1,716.53	2,975.74	2,906.00	69.73	42.673		
7,850.00	7,090.03	7,051.29	7,050.93	48.62	30.10	69.04	-889.34	-1,716.58	2,939.62	2,869.88	69.74	42.151		
7,900.00	7,102.90	7,064.70	7,064.34	48.81	30.16	72.81	-889.03	-1,716.62	2,902.00	2,832.24	69.76	41.603		
7,950.00	7,112.22	7,074.44	7,074.08	49.02	30.20	77.25	-888.80	-1,716.65	2,863.09	2,793.30	69.78	41.028		
8,000.00	7,117.94	7,080.47	7,080.11	49.26	30.23	82.34	-888.66	-1,716.66	2,823.13	2,753.30	69.83	40.429		
8,047.82	7,120.00	7,082.72	7,082.36	49.51	30.24	87.79	-888.61	-1,716.67	2,784.13	2,714.24	69.89	39.836		
8,100.00	7,120.42	7,083.30	7,082.94	49.82	30.24	87.81	-888.60	-1,716.67	2,741.40	2,671.42	69.98	39.174		
8,200.00	7,121.24	7,084.41	7,084.05	50.53	30.24	87.85	-888.57	-1,716.67	2,660.45	2,590.21	70.24	37.874		
8,300.00	7,122.05	7,085.52	7,085.16	51.39	30.25	87.89	-888.55	-1,716.68	2,580.84	2,510.19	70.65	36.530		
8,400.00	7,122.86	7,086.62	7,086.26	52.42	30.25	87.93	-888.52	-1,716.68	2,502.70	2,431.48	71.22	35.141		
8,500.00	7,123.68	7,087.73	7,087.36	53.63	30.26	87.97	-888.49	-1,716.68	2,426.15	2,354.19	71.97	33.711		
8,600.00	7,124.49	7,088.83	7,088.46	55.01	30.26	88.01	-888.47	-1,716.68	2,351.37	2,278.45	72.92	32.245		

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-14C-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-14C-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		
8,700.00	7,125.30	7,089.92	7,089.56	56.54	30.27	88.05	-888.44	-1,716.69	2,278.53	2,204.43	74.10	30.751		
8,800.00	7,126.12	7,091.01	7,090.65	58.21	30.27	88.09	-888.42	-1,716.69	2,207.81	2,132.30	75.51	29.238		
8,900.00	7,126.93	7,092.10	7,091.74	60.01	30.28	88.12	-888.39	-1,716.69	2,139.42	2,062.24	77.18	27.720		
9,000.00	7,127.75	7,093.19	7,092.82	61.92	30.28	88.16	-888.37	-1,716.69	2,073.61	1,994.50	79.11	26.210		
9,100.00	7,128.56	7,094.27	7,093.91	63.92	30.29	88.20	-888.34	-1,716.70	2,010.62	1,929.30	81.32	24.725		
9,200.00	7,129.37	7,095.35	7,094.99	66.01	30.29	88.24	-888.32	-1,716.70	1,950.72	1,866.92	83.80	23.279		
9,300.00	7,130.19	7,096.43	7,096.06	68.16	30.29	88.28	-888.29	-1,716.70	1,894.21	1,807.67	86.54	21.888		
9,400.00	7,131.00	7,097.50	7,097.14	70.38	30.30	88.32	-888.27	-1,716.70	1,841.39	1,751.86	89.54	20.566		
9,500.00	7,131.81	7,098.57	7,098.21	72.65	30.30	88.36	-888.24	-1,716.71	1,792.61	1,699.84	92.76	19.325		
9,600.00	7,132.63	7,099.64	7,099.27	74.97	30.31	88.40	-888.22	-1,716.71	1,748.18	1,652.00	96.19	18.174		
9,700.00	7,133.44	7,100.70	7,100.34	77.33	30.31	88.44	-888.19	-1,716.71	1,708.47	1,608.69	99.78	17.123		
9,800.00	7,134.25	7,101.77	7,101.40	79.72	30.32	88.47	-888.17	-1,716.71	1,673.79	1,570.31	103.47	16.176		
9,900.00	7,135.07	7,102.82	7,102.46	82.16	30.32	88.51	-888.15	-1,716.72	1,644.46	1,537.24	107.23	15.336		
10,000.00	7,135.88	7,103.88	7,103.51	84.62	30.33	88.55	-888.12	-1,716.72	1,620.79	1,509.82	110.97	14.605		
10,100.00	7,136.70	7,104.93	7,104.57	87.11	30.33	88.59	-888.10	-1,716.72	1,603.02	1,488.37	114.65	13.982		
10,200.00	7,137.51	7,105.98	7,105.62	89.62	30.34	88.63	-888.07	-1,716.72	1,591.34	1,473.16	118.18	13.465		
10,300.00	7,138.32	7,107.03	7,106.66	92.16	30.34	88.66	-888.05	-1,716.73	1,585.89	1,464.38	121.51	13.051		
10,336.54	7,138.62	7,107.41	7,107.04	93.09	30.34	88.68	-888.04	-1,716.73	1,585.47	1,462.80	122.67	12.924 CC		
10,400.00	7,139.14	7,108.07	7,107.71	94.71	30.34	88.70	-888.02	-1,716.73	1,586.74	1,462.15	124.59	12.736 ES		
10,500.00	7,139.95	7,109.11	7,108.75	97.29	30.35	88.74	-888.00	-1,716.73	1,593.87	1,466.51	127.36	12.514		
10,600.00	7,140.76	7,110.15	7,109.78	99.88	30.35	88.78	-887.98	-1,716.73	1,607.21	1,477.40	129.80	12.382		
10,700.00	7,141.58	7,111.20	7,110.83	102.48	30.36	88.81	-887.95	-1,716.74	1,626.59	1,494.70	131.90	12.332 SF		
10,800.00	7,142.39	7,112.25	7,111.88	105.10	30.36	88.85	-887.93	-1,716.74	1,651.81	1,518.18	133.63	12.361		
10,900.00	7,143.20	7,113.30	7,112.93	107.74	30.37	88.89	-887.90	-1,716.74	1,682.61	1,547.58	135.03	12.461		
11,000.00	7,144.02	7,114.35	7,113.98	110.38	30.37	88.93	-887.88	-1,716.74	1,718.67	1,582.58	136.10	12.628		
11,100.00	7,144.83	7,115.40	7,115.03	113.04	30.38	88.97	-887.86	-1,716.75	1,759.69	1,622.83	136.86	12.857		
11,200.00	7,145.65	7,116.45	7,116.08	115.71	30.38	89.00	-887.83	-1,716.75	1,805.32	1,667.96	137.36	13.143		
11,300.00	7,146.46	7,117.50	7,117.13	118.38	30.38	89.04	-887.81	-1,716.75	1,855.23	1,717.60	137.63	13.480		
11,400.00	7,147.27	7,118.55	7,118.18	121.07	30.39	89.08	-887.78	-1,716.75	1,909.07	1,771.38	137.69	13.865		
11,500.00	7,148.09	7,119.60	7,119.23	123.76	30.39	89.12	-887.76	-1,716.76	1,966.52	1,828.95	137.57	14.294		
11,600.00	7,148.90	7,120.65	7,120.27	126.46	30.40	89.16	-887.73	-1,716.76	2,027.28	1,889.96	137.32	14.763		
11,700.00	7,149.71	7,121.70	7,121.32	129.17	30.40	89.19	-887.71	-1,716.76	2,091.06	1,954.11	136.95	15.269		
11,800.00	7,150.53	7,122.75	7,122.37	131.89	30.41	89.23	-887.69	-1,716.76	2,157.59	2,021.11	136.48	15.809		
11,900.00	7,151.34	7,123.80	7,123.42	134.61	30.41	89.27	-887.66	-1,716.76	2,226.62	2,090.68	135.95	16.379		
12,000.00	7,152.16	7,124.85	7,124.47	137.34	30.42	89.31	-887.64	-1,716.77	2,297.93	2,162.58	135.36	16.977		
12,100.00	7,152.97	7,125.90	7,125.52	140.07	30.42	89.35	-887.61	-1,716.77	2,371.32	2,236.59	134.72	17.601		
12,200.00	7,153.78	7,126.95	7,126.57	142.81	30.42	89.38	-887.59	-1,716.77	2,446.59	2,312.53	134.07	18.249		
12,300.00	7,154.60	7,128.00	7,127.62	145.55	30.43	89.42	-887.56	-1,716.77	2,523.58	2,390.19	133.39	18.919		
12,400.00	7,155.41	7,129.05	7,128.67	148.30	30.43	89.46	-887.54	-1,716.78	2,602.13	2,469.43	132.70	19.609		
12,500.00	7,156.22	7,130.10	7,129.72	151.05	30.44	89.50	-887.52	-1,716.78	2,682.12	2,550.10	132.01	20.317		
12,600.00	7,157.04	7,131.15	7,130.77	153.80	30.44	89.54	-887.49	-1,716.78	2,763.40	2,632.07	131.33	21.042		
12,700.00	7,157.85	7,132.20	7,131.82	156.56	30.45	89.57	-887.47	-1,716.78	2,845.88	2,715.23	130.65	21.783		
12,800.00	7,158.66	7,133.25	7,132.87	159.33	30.45	89.61	-887.44	-1,716.79	2,929.45	2,799.47	129.98	22.538		
12,900.00	7,159.48	7,134.30	7,133.92	162.09	30.46	89.65	-887.42	-1,716.79	3,014.02	2,884.70	129.32	23.306		
13,000.00	7,160.29	7,135.35	7,134.97	164.86	30.46	89.69	-887.39	-1,716.79	3,099.51	2,970.83	128.68	24.087		
13,100.00	7,161.11	7,136.40	7,136.02	167.64	30.47	89.73	-887.37	-1,716.79	3,185.84	3,057.79	128.05	24.880		
13,209.97	7,162.00	7,137.55	7,137.18	170.69	30.47	89.77	-887.34	-1,716.80	3,281.67	3,154.29	127.38	25.763		
13,210.89	7,162.01	7,137.56	7,137.19	170.72	30.47	89.77	-887.34	-1,716.80	3,282.48	3,155.10	127.37	25.770		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-132.08	-664.86	-736.43	992.33					
100.00	100.00	81.00	81.00	3.28	3.57	-132.08	-664.86	-736.43	992.15	985.29	6.86	144.703		
200.00	200.00	181.00	181.00	3.34	5.63	-132.08	-664.86	-736.43	992.15	983.18	8.96	110.671		
300.00	299.98	280.98	280.98	3.44	8.71	76.35	-664.86	-736.43	991.73	979.59	12.14	81.659		
400.00	399.84	380.84	380.84	3.59	12.01	76.67	-664.86	-736.43	990.51	974.92	15.60	63.510		
500.00	499.45	480.45	480.45	3.79	15.38	77.20	-664.86	-736.43	988.53	969.36	19.17	51.568		
600.00	598.70	579.70	579.70	4.04	18.78	77.93	-664.86	-736.43	985.89	963.08	22.81	43.217		
700.00	697.47	678.47	678.47	4.32	22.18	78.88	-664.86	-736.43	982.71	956.21	26.50	37.083		
800.00	795.62	776.62	776.62	4.64	25.58	80.02	-664.86	-736.43	979.15	948.93	30.22	32.402		
900.00	893.06	874.06	874.06	5.01	28.95	81.37	-664.86	-736.43	975.42	941.46	33.96	28.725		
1,000.00	989.64	970.64	970.64	5.41	32.31	82.90	-664.86	-736.43	971.76	934.05	37.71	25.769		
1,100.00	1,085.27	1,066.27	1,066.27	5.85	35.63	84.60	-664.86	-736.43	968.43	926.96	41.47	23.351		
1,200.00	1,179.82	1,160.82	1,160.82	6.33	38.92	86.48	-664.86	-736.43	965.76	920.52	45.24	21.348		
1,300.00	1,273.17	1,254.17	1,254.17	6.84	42.17	88.49	-664.86	-736.43	964.08	915.07	49.01	19.672		
1,370.77	1,338.45	1,319.45	1,319.45	7.24	44.44	90.00	-664.86	-736.43	963.69	912.01	51.68	18.649 CC		
1,404.90	1,369.69	1,350.69	1,350.69	7.43	45.53	90.75	-664.86	-736.43	963.79	910.83	52.96	18.200		
1,500.00	1,456.50	1,437.50	1,437.50	8.00	48.55	92.85	-664.86	-736.43	965.12	908.58	56.54	17.068		
1,600.00	1,547.79	1,528.79	1,528.79	8.61	51.73	95.06	-664.86	-736.43	968.21	907.87	60.33	16.048 ES		
1,700.00	1,639.07	1,620.07	1,620.07	9.23	54.91	97.25	-664.86	-736.43	972.99	908.86	64.13	15.171		
1,800.00	1,730.36	1,711.36	1,711.36	9.87	58.09	99.42	-664.86	-736.43	979.46	911.52	67.94	14.416		
1,900.00	1,821.64	1,802.64	1,802.64	10.52	61.27	101.56	-664.86	-736.43	987.58	915.83	71.75	13.764		
2,000.00	1,912.93	1,906.07	1,893.93	11.18	64.88	103.67	-664.86	-736.43	997.30	921.32	75.98	13.125		
2,100.00	2,004.21	1,985.21	1,985.21	11.84	67.64	105.74	-664.86	-736.43	1,008.58	929.22	79.37	12.708		
2,200.00	2,095.50	2,076.50	2,076.50	12.51	70.82	107.77	-664.86	-736.43	1,021.37	938.20	83.17	12.281		
2,300.00	2,186.78	2,167.78	2,167.78	13.19	74.00	109.76	-664.86	-736.43	1,035.62	948.65	86.96	11.908		
2,400.00	2,278.06	2,259.06	2,259.06	13.86	77.19	111.70	-664.86	-736.43	1,051.25	960.50	90.75	11.584		
2,500.00	2,369.35	2,350.35	2,350.35	14.55	80.37	113.58	-664.86	-736.43	1,068.23	973.69	94.54	11.300		
2,600.00	2,460.63	2,441.63	2,441.63	15.23	83.56	115.42	-664.86	-736.43	1,086.47	988.16	98.31	11.051		
2,700.00	2,551.92	2,532.92	2,532.92	15.92	86.74	117.20	-664.86	-736.43	1,105.91	1,003.84	102.07	10.834		
2,800.00	2,643.20	2,624.20	2,624.20	16.61	89.93	118.92	-664.86	-736.43	1,126.51	1,020.67	105.83	10.644		
2,900.00	2,734.49	2,715.49	2,715.49	17.30	93.11	120.59	-664.86	-736.43	1,148.18	1,038.60	109.58	10.478		
3,000.00	2,825.77	2,806.77	2,806.77	18.00	96.30	122.21	-664.86	-736.43	1,170.88	1,057.56	113.32	10.332		
3,100.00	2,917.06	2,901.94	2,898.06	18.69	99.62	123.77	-664.86	-736.43	1,194.54	1,077.35	117.19	10.193		
3,200.00	3,008.34	2,989.34	2,989.34	19.39	102.67	125.27	-664.86	-736.43	1,219.11	1,098.33	120.78	10.093		
3,300.00	3,099.63	3,080.63	3,080.63	20.09	105.85	126.72	-664.86	-736.43	1,244.54	1,120.03	124.51	9.996		
3,400.00	3,190.91	3,171.91	3,171.91	20.79	109.04	128.12	-664.86	-736.43	1,270.77	1,142.55	128.22	9.911		
3,500.00	3,282.20	3,263.20	3,263.20	21.49	112.22	129.47	-664.86	-736.43	1,297.75	1,165.82	131.93	9.837		
3,600.00	3,373.48	3,354.48	3,354.48	22.19	115.41	130.76	-664.86	-736.43	1,325.45	1,189.81	135.64	9.772		
3,700.00	3,464.77	3,445.77	3,445.77	22.89	118.59	132.01	-664.86	-736.43	1,353.80	1,214.47	139.34	9.716		
3,800.00	3,556.05	3,537.05	3,537.05	23.60	121.78	133.21	-664.86	-736.43	1,382.79	1,239.75	143.03	9.668		
3,900.00	3,647.34	3,628.34	3,628.34	24.30	124.96	134.36	-664.86	-736.43	1,412.35	1,265.63	146.73	9.626		
4,000.00	3,738.62	3,719.62	3,719.62	25.00	128.15	135.47	-664.86	-736.43	1,442.47	1,292.05	150.42	9.590		
4,100.00	3,829.91	3,810.91	3,810.91	25.71	131.33	136.54	-664.86	-736.43	1,473.10	1,319.00	154.11	9.559		
4,200.00	3,921.19	3,902.19	3,902.19	26.42	134.52	137.57	-664.86	-736.43	1,504.22	1,346.43	157.79	9.533		
4,300.00	4,012.48	4,006.52	3,993.48	27.12	138.16	138.56	-664.86	-736.43	1,535.80	1,373.87	161.93	9.484		
4,400.00	4,103.76	4,084.76	4,084.76	27.83	140.89	139.51	-664.86	-736.43	1,567.80	1,402.64	165.16	9.493		
4,500.00	4,195.05	4,176.05	4,176.05	28.54	144.08	140.43	-664.86	-736.43	1,600.20	1,431.36	168.84	9.478		
4,600.00	4,286.33	4,267.33	4,267.33	29.24	147.26	141.31	-664.86	-736.43	1,632.98	1,460.46	172.51	9.466		
4,700.00	4,377.62	4,358.62	4,358.62	29.95	150.45	142.16	-664.86	-736.43	1,666.12	1,489.92	176.19	9.456		
4,800.00	4,468.90	4,449.90	4,449.90	30.66	153.64	142.98	-664.86	-736.43	1,699.59	1,519.72	179.87	9.449		
4,900.00	4,560.19	4,541.19	4,541.19	31.37	156.82	143.77	-664.86	-736.43	1,733.37	1,549.83	183.55	9.444		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,000.00	4,651.47	4,632.47	4,632.47	32.08	160.01	144.53	-664.86	-736.43	1,767.46	1,580.24	187.22	9.440		
5,100.00	4,742.76	4,723.76	4,723.76	32.79	163.19	145.26	-664.86	-736.43	1,801.82	1,610.93	190.90	9.439		
5,200.00	4,834.04	4,815.04	4,815.04	33.50	166.38	145.97	-664.86	-736.43	1,836.45	1,641.88	194.57	9.438		
5,300.00	4,925.33	4,906.33	4,906.33	34.21	169.57	146.65	-664.86	-736.43	1,871.33	1,673.08	198.25	9.439		
5,400.00	5,016.61	5,002.39	5,002.39	34.92	172.92	147.31	-664.86	-736.43	1,906.44	1,704.36	202.09	9.434		
5,500.00	5,107.90	5,088.90	5,088.90	35.63	175.94	147.94	-664.86	-736.43	1,941.78	1,736.19	205.60	9.445		
5,600.00	5,199.18	5,180.18	5,180.18	36.34	179.12	148.56	-664.86	-736.43	1,977.33	1,768.06	209.27	9.449		
5,700.00	5,290.46	5,271.46	5,271.46	37.05	182.31	149.15	-664.86	-736.43	2,013.09	1,800.14	212.95	9.454		
5,800.00	5,381.75	5,362.75	5,362.75	37.76	185.50	149.72	-664.86	-736.43	2,049.03	1,832.41	216.62	9.459		
5,900.00	5,473.03	5,454.03	5,454.03	38.47	188.68	150.28	-664.86	-736.43	2,085.15	1,864.85	220.30	9.465		
6,000.00	5,564.32	5,545.32	5,545.32	39.18	191.87	150.81	-664.86	-736.43	2,121.44	1,897.47	223.97	9.472		
6,100.00	5,655.60	5,636.60	5,636.60	39.90	195.06	151.33	-664.86	-736.43	2,157.89	1,930.24	227.65	9.479		
6,200.00	5,746.89	5,727.89	5,727.89	40.61	198.24	151.83	-664.86	-736.43	2,194.50	1,963.18	231.32	9.487		
6,300.00	5,838.17	5,819.17	5,819.17	41.32	201.43	152.32	-664.86	-736.43	2,231.25	1,996.25	235.00	9.495		
6,400.00	5,929.46	5,910.46	5,910.46	42.03	204.62	152.79	-664.86	-736.43	2,268.15	2,029.47	238.68	9.503		
6,500.00	6,020.74	6,001.74	6,001.74	42.74	207.80	153.25	-664.86	-736.43	2,305.17	2,062.82	242.36	9.511		
6,600.00	6,112.03	6,106.97	6,106.97	43.46	211.47	153.69	-664.86	-736.43	2,342.33	2,095.81	246.52	9.502		
6,700.00	6,203.31	6,184.31	6,184.31	44.17	214.17	154.12	-664.86	-736.43	2,379.60	2,129.89	249.71	9.529		
6,800.00	6,294.60	6,275.60	6,275.60	44.88	217.36	154.53	-664.86	-736.43	2,416.99	2,163.60	253.39	9.538		
6,900.00	6,385.88	6,366.88	6,366.88	45.59	220.55	154.94	-664.86	-736.43	2,454.49	2,197.41	257.07	9.548		
6,927.91	6,411.36	6,407.64	6,392.36	45.79	221.97	155.05	-664.86	-736.43	2,464.97	2,206.34	258.63	9.531		
6,950.00	6,431.59	6,412.59	6,412.59	45.95	222.14	150.53	-664.86	-736.43	2,473.00	2,214.08	258.91	9.551		
7,000.00	6,477.77	6,458.77	6,458.77	46.27	223.75	139.50	-664.86	-736.43	2,489.09	2,228.33	260.76	9.546		
7,050.00	6,524.26	6,505.26	6,505.26	46.56	225.38	127.78	-664.86	-736.43	2,502.26	2,239.66	262.60	9.529		
7,100.00	6,570.76	6,551.76	6,551.76	46.81	227.00	116.22	-664.86	-736.43	2,512.46	2,248.04	264.42	9.502		
7,150.00	6,617.00	6,602.00	6,598.00	47.02	228.75	105.69	-664.86	-736.43	2,519.67	2,253.33	266.35	9.460		
7,200.00	6,662.68	6,643.68	6,643.68	47.20	230.21	96.76	-664.86	-736.43	2,523.90	2,255.96	267.94	9.420		
7,250.00	6,707.53	6,688.53	6,688.53	47.34	231.77	89.57	-664.86	-736.43	2,525.17	2,255.56	269.61	9.366		
7,300.00	6,751.28	6,732.28	6,732.28	47.47	233.30	83.99	-664.86	-736.43	2,523.53	2,252.32	271.20	9.305		
7,350.00	6,793.64	6,774.64	6,774.64	47.57	234.78	79.80	-664.86	-736.43	2,519.05	2,246.33	272.72	9.237		
7,400.00	6,834.35	6,815.35	6,815.35	47.66	236.20	76.76	-664.86	-736.43	2,511.82	2,237.66	274.15	9.162		
7,450.00	6,873.18	6,854.18	6,854.18	47.75	237.56	74.67	-664.86	-736.43	2,501.94	2,226.44	275.50	9.081		
7,500.00	6,909.88	6,909.12	6,890.88	47.83	239.47	73.37	-664.86	-736.43	2,489.54	2,212.15	277.39	8.975		
7,550.00	6,944.21	6,925.21	6,925.21	47.91	240.04	72.76	-664.86	-736.43	2,474.76	2,196.84	277.92	8.905		
7,600.00	6,975.98	6,956.98	6,956.98	47.99	241.15	72.72	-664.86	-736.43	2,457.75	2,178.75	279.00	8.809		
7,650.00	7,004.98	6,985.98	6,985.98	48.09	242.16	73.19	-664.86	-736.43	2,438.68	2,158.68	279.99	8.710		
7,700.00	7,031.04	7,012.04	7,012.04	48.20	243.07	74.12	-664.86	-736.43	2,417.71	2,136.80	280.91	8.607		
7,750.00	7,053.99	7,034.99	7,034.99	48.32	243.87	75.45	-664.86	-736.43	2,395.03	2,113.29	281.74	8.501		
7,800.00	7,073.70	7,054.70	7,054.70	48.46	244.56	77.15	-664.86	-736.43	2,370.82	2,088.31	282.50	8.392		
7,850.00	7,090.03	7,071.03	7,071.03	48.62	245.13	79.18	-664.86	-736.43	2,345.26	2,062.07	283.20	8.281		
7,900.00	7,102.90	7,083.90	7,083.90	48.81	245.58	81.50	-664.86	-736.43	2,318.56	2,034.73	283.83	8.169		
7,950.00	7,112.22	7,106.78	7,093.22	49.02	246.37	84.06	-664.86	-736.43	2,290.88	2,006.02	284.86	8.042		
8,000.00	7,117.94	7,101.06	7,098.94	49.26	246.17	86.84	-664.86	-736.43	2,262.43	1,977.46	284.96	7.939		
8,047.82	7,120.00	7,101.00	7,101.00	49.51	246.17	89.66	-664.86	-736.43	2,234.64	1,949.33	285.31	7.832		
8,100.00	7,120.42	7,101.42	7,101.42	49.82	246.19	89.68	-664.86	-736.43	2,204.47	1,918.71	285.76	7.714		
8,200.00	7,121.24	7,102.24	7,102.24	50.53	246.22	89.70	-664.86	-736.43	2,149.02	1,862.18	286.84	7.492		
8,300.00	7,122.05	7,103.05	7,103.05	51.39	246.24	89.73	-664.86	-736.43	2,096.87	1,808.68	288.19	7.276		
8,400.00	7,122.86	7,103.86	7,103.86	52.42	246.27	89.75	-664.86	-736.43	2,048.28	1,758.47	289.82	7.067		
8,500.00	7,123.68	7,104.68	7,104.68	53.63	246.30	89.78	-664.86	-736.43	2,003.51	1,711.79	291.72	6.868		
8,600.00	7,124.49	7,105.49	7,105.49	55.01	246.33	89.81	-664.86	-736.43	1,962.82	1,668.94	293.87	6.679		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 #11-16G6(TA - OH - OH		Offset Site Error:	0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma															Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)					
8,700.00	7,125.30	7,106.30	7,106.30	56.54	246.36	89.83	-664.86	-736.43	1,926.45	1,630.20	296.25	6.503				
8,800.00	7,126.12	7,107.12	7,107.12	58.21	246.39	89.86	-664.86	-736.43	1,894.68	1,595.84	298.84	6.340				
8,900.00	7,126.93	7,107.93	7,107.93	60.01	246.41	89.88	-664.86	-736.43	1,867.72	1,566.14	301.59	6.193				
9,000.00	7,127.75	7,108.75	7,108.75	61.92	246.44	89.91	-664.86	-736.43	1,845.80	1,541.35	304.45	6.063				
9,100.00	7,128.56	7,109.56	7,109.56	63.92	246.47	89.93	-664.86	-736.43	1,829.09	1,521.70	307.39	5.950				
9,200.00	7,129.37	7,110.37	7,110.37	66.01	246.50	89.96	-664.86	-736.43	1,817.73	1,507.38	310.34	5.857				
9,300.00	7,130.19	7,111.19	7,111.19	68.16	246.53	89.99	-664.86	-736.43	1,811.82	1,498.54	313.28	5.783				
9,357.12	7,130.65	7,111.65	7,111.65	69.42	246.54	90.00	-664.86	-736.43	1,810.92	1,495.99	314.93	5.750				
9,400.00	7,131.00	7,112.00	7,112.00	70.38	246.56	90.01	-664.86	-736.43	1,811.43	1,495.28	316.15	5.730				
9,500.00	7,131.81	7,112.81	7,112.81	72.65	246.59	90.04	-664.86	-736.43	1,816.55	1,497.65	318.90	5.696				
9,600.00	7,132.63	7,113.63	7,113.63	74.97	246.61	90.06	-664.86	-736.43	1,827.14	1,505.62	321.52	5.683 SF				
9,700.00	7,133.44	7,114.44	7,114.44	77.33	246.64	90.09	-664.86	-736.43	1,843.10	1,519.13	323.96	5.689				
9,800.00	7,134.25	7,115.25	7,115.25	79.72	246.67	90.11	-664.86	-736.43	1,864.29	1,538.08	326.21	5.715				
9,900.00	7,135.07	7,116.07	7,116.07	82.16	246.70	90.14	-664.86	-736.43	1,890.54	1,562.28	328.26	5.759				
10,000.00	7,135.88	7,116.88	7,116.88	84.62	246.73	90.17	-664.86	-736.43	1,921.64	1,591.54	330.10	5.821				
10,100.00	7,136.70	7,117.70	7,117.70	87.11	246.76	90.19	-664.86	-736.43	1,957.36	1,625.63	331.73	5.900				
10,200.00	7,137.51	7,118.51	7,118.51	89.62	246.78	90.22	-664.86	-736.43	1,997.46	1,664.30	333.16	5.996				
10,300.00	7,138.32	7,119.32	7,119.32	92.16	246.81	90.24	-664.86	-736.43	2,041.67	1,707.28	334.39	6.106				
10,400.00	7,139.14	7,120.14	7,120.14	94.71	246.84	90.27	-664.86	-736.43	2,089.73	1,754.28	335.44	6.230				
10,500.00	7,139.95	7,120.95	7,120.95	97.29	246.87	90.29	-664.86	-736.43	2,141.38	1,805.05	336.33	6.367				
10,600.00	7,140.76	7,121.76	7,121.76	99.88	246.90	90.32	-664.86	-736.43	2,196.38	1,859.31	337.07	6.516				
10,700.00	7,141.58	7,122.58	7,122.58	102.48	246.93	90.35	-664.86	-736.43	2,254.47	1,916.80	337.67	6.677				
10,800.00	7,142.39	7,123.39	7,123.39	105.10	246.95	90.37	-664.86	-736.43	2,315.43	1,977.28	338.15	6.847				
10,900.00	7,143.20	7,124.20	7,124.20	107.74	246.98	90.40	-664.86	-736.43	2,379.02	2,040.50	338.52	7.028				
11,000.00	7,144.02	7,125.02	7,125.02	110.38	247.01	90.42	-664.86	-736.43	2,445.06	2,106.25	338.80	7.217				
11,100.00	7,144.83	7,125.83	7,125.83	113.04	247.04	90.45	-664.86	-736.43	2,513.34	2,174.33	339.00	7.414				
11,200.00	7,145.65	7,126.65	7,126.65	115.71	247.07	90.47	-664.86	-736.43	2,583.68	2,244.55	339.14	7.618				
11,300.00	7,146.46	7,127.46	7,127.46	118.38	247.10	90.50	-664.86	-736.43	2,655.93	2,316.72	339.21	7.830				
11,400.00	7,147.27	7,128.27	7,128.27	121.07	247.12	90.53	-664.86	-736.43	2,729.93	2,390.70	339.23	8.047				
11,500.00	7,148.09	7,129.09	7,129.09	123.76	247.15	90.55	-664.86	-736.43	2,805.54	2,466.33	339.21	8.271				
11,600.00	7,148.90	7,129.90	7,129.90	126.46	247.18	90.58	-664.86	-736.43	2,882.64	2,543.48	339.16	8.499				
11,700.00	7,149.71	7,130.71	7,130.71	129.17	247.21	90.60	-664.86	-736.43	2,961.11	2,622.04	339.07	8.733				
11,800.00	7,150.53	7,131.53	7,131.53	131.89	247.24	90.63	-664.86	-736.43	3,040.84	2,701.88	338.96	8.971				
11,900.00	7,151.34	7,132.34	7,132.34	134.61	247.27	90.65	-664.86	-736.43	3,121.74	2,782.91	338.83	9.213				
12,000.00	7,152.16	7,133.16	7,133.16	137.34	247.30	90.68	-664.86	-736.43	3,203.71	2,865.03	338.68	9.459				
12,100.00	7,152.97	7,133.97	7,133.97	140.07	247.32	90.71	-664.86	-736.43	3,286.69	2,948.16	338.53	9.709				
12,200.00	7,153.78	7,134.78	7,134.78	142.81	247.35	90.73	-664.86	-736.43	3,370.59	3,032.23	338.36	9.962				
12,300.00	7,154.60	7,135.60	7,135.60	145.55	247.38	90.76	-664.86	-736.43	3,455.34	3,117.16	338.18	10.217				
12,400.00	7,155.41	7,136.41	7,136.41	148.30	247.41	90.78	-664.86	-736.43	3,540.89	3,202.89	338.00	10.476				
12,500.00	7,156.22	7,137.22	7,137.22	151.05	247.44	90.81	-664.86	-736.43	3,627.18	3,289.37	337.81	10.737				
12,600.00	7,157.04	7,138.04	7,138.04	153.80	247.47	90.83	-664.86	-736.43	3,714.16	3,376.54	337.63	11.001				
12,700.00	7,157.85	7,138.85	7,138.85	156.56	247.49	90.86	-664.86	-736.43	3,801.78	3,464.34	337.44	11.267				
12,800.00	7,158.66	7,139.66	7,139.66	159.33	247.52	90.89	-664.86	-736.43	3,889.99	3,552.75	337.25	11.535				
12,900.00	7,159.48	7,140.48	7,140.48	162.09	247.55	90.91	-664.86	-736.43	3,978.77	3,641.71	337.06	11.804				
13,000.00	7,160.29	7,141.29	7,141.29	164.86	247.58	90.94	-664.86	-736.43	4,068.06	3,731.19	336.87	12.076				
13,100.00	7,161.11	7,142.11	7,142.11	167.64	247.61	90.96	-664.86	-736.43	4,157.84	3,821.15	336.69	12.349				
13,209.97	7,162.00	7,143.00	7,143.00	170.69	247.64	90.99	-664.86	-736.43	4,257.10	3,920.61	336.49	12.652				
13,210.89	7,162.01	7,143.01	7,143.01	170.72	247.64	90.99	-664.86	-736.43	4,257.93	3,921.44	336.49	12.654				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	-51.15	332.24	-412.42	529.87					
100.00	100.00	78.64	78.64	3.28	3.28	-51.11	332.69	-412.46	529.94	523.37	6.57	80.665		
200.00	200.00	179.34	179.33	3.34	3.33	-51.01	333.98	-412.57	530.82	524.16	6.66	79.645		
300.00	299.98	280.20	280.19	3.44	3.43	157.44	334.87	-412.60	533.01	526.14	6.87	77.617		
400.00	399.84	379.35	379.33	3.59	3.57	157.66	335.60	-412.72	538.41	531.25	7.17	75.139		
500.00	499.45	479.72	479.70	3.79	3.76	158.00	336.39	-412.87	547.10	539.54	7.56	72.398		
600.00	598.70	579.10	579.08	4.04	3.99	158.43	337.03	-412.94	558.89	550.86	8.03	69.640		
700.00	697.47	676.52	676.50	4.32	4.24	158.91	337.57	-413.19	574.04	565.48	8.56	67.087		
800.00	795.62	774.91	774.88	4.64	4.52	159.46	338.18	-413.57	592.60	583.46	9.15	64.788		
900.00	893.06	871.09	871.06	5.01	4.81	160.04	338.65	-414.02	614.44	604.66	9.78	62.836		
1,000.00	989.64	966.98	966.95	5.41	5.12	160.64	339.10	-414.77	639.76	629.31	10.45	61.226		
1,100.00	1,085.27	1,063.80	1,063.76	5.85	5.45	161.27	339.55	-415.43	668.31	657.15	11.16	59.894		
1,200.00	1,179.82	1,156.74	1,156.70	6.33	5.77	161.89	339.84	-416.02	700.01	688.13	11.88	58.913		
1,300.00	1,273.17	1,250.47	1,250.43	6.84	6.11	162.50	340.22	-416.93	735.25	722.62	12.63	58.193		
1,404.90	1,369.69	1,347.74	1,347.69	7.43	6.46	163.13	340.26	-417.70	775.32	761.88	13.44	57.671		
1,500.00	1,456.50	1,432.92	1,432.87	8.00	6.78	163.88	340.55	-418.37	813.50	799.32	14.18	57.388		
1,600.00	1,547.79	1,525.89	1,525.84	8.61	7.13	164.62	340.72	-419.19	853.72	838.75	14.97	57.030		
1,700.00	1,639.07	1,620.91	1,620.85	9.23	7.49	165.32	340.80	-419.58	893.68	877.89	15.79	56.600		
1,800.00	1,730.36	1,713.97	1,713.92	9.87	7.85	165.96	340.71	-419.71	933.46	916.86	16.61	56.202		
1,900.00	1,821.64	1,805.75	1,805.70	10.52	8.21	166.53	340.56	-419.77	973.24	955.81	17.43	55.837		
2,000.00	1,912.93	1,898.56	1,898.51	11.18	8.57	167.06	340.28	-419.84	1,012.99	994.73	18.27	55.460		
2,100.00	2,004.21	1,989.37	1,989.31	11.84	8.93	167.53	339.88	-419.99	1,052.78	1,033.68	19.10	55.129		
2,200.00	2,095.50	2,085.86	2,085.80	12.51	9.31	167.97	339.07	-420.37	1,092.46	1,072.49	19.97	54.702		
2,300.00	2,186.78	2,181.96	2,181.89	13.19	9.70	168.34	337.47	-420.99	1,131.75	1,110.90	20.85	54.278		
2,400.00	2,278.06	2,273.60	2,273.50	13.86	10.07	168.64	335.55	-421.76	1,170.88	1,149.17	21.71	53.938		
2,500.00	2,369.35	2,364.25	2,364.12	14.55	10.44	168.92	333.59	-422.74	1,210.12	1,187.56	22.56	53.632		
2,600.00	2,460.63	2,451.75	2,451.60	15.23	10.79	169.16	331.69	-423.93	1,249.54	1,226.14	23.40	53.397		
2,700.00	2,551.92	2,538.41	2,538.22	15.92	11.15	169.36	329.92	-425.60	1,289.39	1,265.15	24.24	53.201		
2,800.00	2,643.20	2,626.83	2,626.60	16.61	11.51	169.56	328.37	-427.39	1,329.51	1,304.43	25.09	52.999		
2,900.00	2,734.49	2,715.68	2,715.43	17.30	11.88	169.76	327.01	-429.25	1,369.86	1,343.92	25.94	52.808		
3,000.00	2,825.77	2,806.73	2,806.45	18.00	12.25	169.95	325.70	-431.20	1,410.30	1,383.49	26.81	52.596		
3,100.00	2,917.06	2,899.11	2,898.80	18.69	12.64	170.14	324.41	-433.08	1,450.73	1,423.03	27.70	52.375		
3,200.00	3,008.34	2,987.85	2,987.52	19.39	13.00	170.32	323.36	-434.70	1,491.22	1,462.66	28.56	52.218		
3,300.00	3,099.63	3,078.98	3,078.63	20.09	13.38	170.50	322.56	-436.17	1,531.82	1,502.39	29.44	52.040		
3,400.00	3,190.91	3,175.35	3,174.99	20.79	13.78	170.70	321.77	-437.43	1,572.31	1,541.96	30.36	51.797		
3,500.00	3,282.20	3,263.13	3,262.76	21.49	14.15	170.88	320.97	-438.44	1,612.67	1,581.46	31.21	51.672		
3,600.00	3,373.48	3,352.47	3,352.09	22.19	14.52	171.05	320.40	-439.62	1,653.33	1,621.25	32.08	51.541		
3,700.00	3,464.77	3,446.11	3,445.73	22.89	14.91	171.23	319.95	-440.54	1,693.93	1,660.95	32.98	51.361		
3,800.00	3,556.05	3,534.56	3,534.18	23.60	15.28	171.40	319.50	-441.32	1,734.47	1,700.63	33.84	51.250		
3,900.00	3,647.34	3,616.81	3,616.41	24.30	15.63	171.54	319.28	-442.41	1,775.44	1,740.78	34.66	51.228		
4,000.00	3,738.62	3,705.12	3,704.72	25.00	16.00	171.69	319.38	-443.57	1,816.69	1,781.17	35.52	51.144		
4,100.00	3,829.91	3,794.71	3,794.30	25.71	16.37	171.85	319.73	-444.56	1,858.05	1,821.66	36.40	51.052		
4,200.00	3,921.19	3,879.93	3,879.52	26.42	16.73	172.01	320.33	-445.39	1,899.59	1,862.36	37.23	51.018		
4,300.00	4,012.48	3,970.45	3,970.03	27.12	17.11	172.16	321.16	-446.32	1,941.32	1,903.20	38.12	50.931		
4,400.00	4,103.76	4,058.13	4,057.70	27.83	17.48	172.30	321.78	-447.50	1,983.07	1,944.09	38.98	50.877		
4,500.00	4,195.05	4,153.66	4,153.21	28.54	17.88	172.44	322.55	-448.82	2,024.94	1,985.03	39.90	50.744		
4,600.00	4,286.33	4,253.47	4,253.01	29.24	18.30	172.59	322.97	-449.88	2,066.34	2,025.47	40.87	50.561		
4,700.00	4,377.62	4,346.48	4,346.02	29.95	18.69	172.72	323.24	-450.66	2,107.54	2,065.77	41.78	50.449		
4,800.00	4,468.90	4,436.28	4,435.82	30.66	19.07	172.84	323.37	-451.57	2,148.75	2,106.09	42.66	50.372		
4,900.00	4,560.19	4,529.27	4,528.80	31.37	19.47	172.96	323.66	-452.42	2,190.03	2,146.46	43.57	50.269		
5,000.00	4,651.47	4,631.05	4,630.58	32.08	19.90	173.07	323.35	-453.52	2,230.93	2,186.39	44.55	50.078		

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	4,725.13	4,724.65	32.79	20.29	173.16	322.76	-454.55	2,271.62	2,226.15	45.47	49.960		
5,200.00	4,834.04	4,818.82	4,818.33	33.50	20.69	173.25	321.97	-455.70	2,312.21	2,265.82	46.39	49.848		
5,300.00	4,925.33	4,913.01	4,912.50	34.21	21.09	173.33	320.96	-456.96	2,352.69	2,305.38	47.31	49.732		
5,400.00	5,016.61	5,002.83	5,002.31	34.92	21.47	173.39	319.88	-458.31	2,393.16	2,344.96	48.19	49.657		
5,500.00	5,107.90	5,098.55	5,098.01	35.63	21.87	173.46	318.72	-459.67	2,433.58	2,384.45	49.13	49.534		
5,600.00	5,199.18	5,204.65	5,204.09	36.34	22.32	173.54	317.03	-461.04	2,473.65	2,423.50	50.15	49.323		
5,700.00	5,290.46	5,297.98	5,297.40	37.05	22.72	173.60	315.46	-461.85	2,513.44	2,462.37	51.07	49.217		
5,800.00	5,381.75	5,385.72	5,385.14	37.76	23.09	173.68	314.33	-462.14	2,553.25	2,501.31	51.94	49.160		
5,900.00	5,473.03	5,478.39	5,477.80	38.47	23.48	173.76	313.26	-462.39	2,593.14	2,540.29	52.85	49.068		
6,000.00	5,564.32	5,583.18	5,582.57	39.18	23.92	173.85	311.79	-462.61	2,632.82	2,578.96	53.86	48.883		
6,100.00	5,655.60	5,672.27	5,671.66	39.90	24.30	173.92	310.38	-462.56	2,672.22	2,617.48	54.74	48.816		
6,200.00	5,746.89	5,763.49	5,762.86	40.61	24.69	174.00	309.12	-462.48	2,711.77	2,656.13	55.64	48.738		
6,300.00	5,838.17	5,861.40	5,860.77	41.32	25.10	174.07	307.61	-462.46	2,751.22	2,694.63	56.60	48.612		
6,400.00	5,929.46	5,947.04	5,946.40	42.03	25.46	174.15	306.42	-462.02	2,790.56	2,733.11	57.45	48.574		
6,500.00	6,020.74	6,031.92	6,031.27	42.74	25.82	174.22	305.70	-461.60	2,830.31	2,772.01	58.30	48.551		
6,600.00	6,112.03	6,132.13	6,131.47	43.46	26.24	174.32	304.85	-460.76	2,869.89	2,810.62	59.27	48.419		
6,700.00	6,203.31	6,225.06	6,224.40	44.17	26.64	174.40	303.85	-460.13	2,909.39	2,849.21	60.19	48.340		
6,800.00	6,294.60	6,318.40	6,317.73	44.88	27.03	174.48	302.81	-459.35	2,948.79	2,887.68	61.11	48.257		
6,900.00	6,385.88	6,397.18	6,396.50	45.59	27.36	174.55	302.15	-458.71	2,988.41	2,926.51	61.90	48.277		
6,927.91	6,411.36	6,423.11	6,422.44	45.79	27.47	174.57	301.99	-458.53	2,999.53	2,937.37	62.16	48.257		
6,950.00	6,431.59	6,444.17	6,443.49	45.95	27.56	169.76	301.84	-458.38	3,008.14	2,945.77	62.36	48.236		
7,000.00	6,477.77	6,492.24	6,491.56	46.27	27.77	158.06	301.50	-458.04	3,026.17	2,963.35	62.82	48.169		
7,050.00	6,524.26	6,537.04	6,536.35	46.56	27.96	145.70	301.16	-457.75	3,042.16	2,978.91	63.25	48.099		
7,100.00	6,570.76	6,581.16	6,580.47	46.81	28.14	133.51	300.79	-457.57	3,056.07	2,992.42	63.65	48.012		
7,150.00	6,617.00	6,629.15	6,628.47	47.02	28.35	122.40	300.36	-457.47	3,067.82	3,003.75	64.07	47.879		
7,200.00	6,662.68	6,679.68	6,678.99	47.20	28.56	112.92	299.81	-457.38	3,077.32	3,012.81	64.50	47.708		
7,250.00	6,707.53	6,721.50	6,720.81	47.34	28.74	105.15	299.31	-457.32	3,084.57	3,019.73	64.84	47.571		
7,300.00	6,751.28	6,756.93	6,756.24	47.47	28.89	98.93	298.98	-457.29	3,089.74	3,024.63	65.11	47.453		
7,350.00	6,793.64	6,791.19	6,790.50	47.57	29.03	94.09	298.75	-457.28	3,092.86	3,027.50	65.36	47.318		
7,400.00	6,834.35	6,826.12	6,825.42	47.66	29.18	90.40	298.60	-457.30	3,093.97	3,028.35	65.62	47.153		
7,450.00	6,873.18	6,860.15	6,859.46	47.75	29.33	87.63	298.50	-457.36	3,093.08	3,027.22	65.86	46.962		
7,500.00	6,909.88	6,892.37	6,891.68	47.83	29.46	85.62	298.43	-457.46	3,090.27	3,024.17	66.11	46.747		
7,550.00	6,944.21	6,924.53	6,923.83	47.91	29.60	84.25	298.39	-457.59	3,085.62	3,019.25	66.37	46.491		
7,600.00	6,975.98	6,954.92	6,954.23	47.99	29.73	83.41	298.36	-457.72	3,079.19	3,012.54	66.65	46.200		
7,650.00	7,004.98	6,982.70	6,982.00	48.09	29.85	83.01	298.35	-457.84	3,071.09	3,004.15	66.94	45.875		
7,700.00	7,031.04	7,009.34	7,008.64	48.20	29.96	83.01	298.35	-457.97	3,061.44	2,994.16	67.28	45.502		
7,750.00	7,053.99	7,036.08	7,035.39	48.32	30.08	83.38	298.33	-458.08	3,050.33	2,982.65	67.68	45.071		
7,800.00	7,073.70	7,059.05	7,058.35	48.46	30.17	84.02	298.29	-458.17	3,037.88	2,969.77	68.11	44.603		
7,850.00	7,090.03	7,078.11	7,077.41	48.62	30.25	84.89	298.24	-458.23	3,024.24	2,955.66	68.58	44.099		
7,900.00	7,102.90	7,093.13	7,092.43	48.81	30.32	85.96	298.19	-458.28	3,009.53	2,940.44	69.09	43.561		
7,950.00	7,112.22	7,104.04	7,103.34	49.02	30.37	87.20	298.15	-458.31	2,993.88	2,924.24	69.64	42.993		
8,000.00	7,117.94	7,110.77	7,110.07	49.26	30.39	88.58	298.12	-458.33	2,977.41	2,907.19	70.22	42.399		
8,047.82	7,120.00	7,113.28	7,112.58	49.51	30.40	90.02	298.11	-458.33	2,961.00	2,890.19	70.81	41.813		
8,100.00	7,120.42	7,113.92	7,113.22	49.82	30.41	90.04	298.11	-458.34	2,943.19	2,871.69	71.50	41.161		
8,200.00	7,121.24	7,115.14	7,114.44	50.53	30.41	90.06	298.10	-458.34	2,911.36	2,838.37	73.00	39.884		
8,300.00	7,122.05	7,116.35	7,115.65	51.39	30.42	90.09	298.10	-458.34	2,882.65	2,807.96	74.70	38.592		
8,400.00	7,122.86	7,117.55	7,116.85	52.42	30.42	90.11	298.09	-458.34	2,857.16	2,780.57	76.58	37.307		
8,500.00	7,123.68	7,114.18	7,113.48	53.63	30.41	90.04	298.11	-458.34	2,834.97	2,756.38	78.60	36.070		
8,600.00	7,124.49	7,115.19	7,114.49	55.01	30.41	90.06	298.11	-458.35	2,816.16	2,735.36	80.79	34.857		
8,700.00	7,125.30	7,116.21	7,115.51	56.54	30.42	90.08	298.11	-458.35	2,800.78	2,717.68	83.10	33.702		

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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,800.00	7,126.12	7,117.25	7,116.55	58.21	30.42	90.11	298.10	-458.36	2,788.91	2,703.40	85.51	32.615		
8,900.00	7,126.93	7,118.29	7,117.59	60.01	30.43	90.13	298.10	-458.36	2,780.59	2,692.61	87.99	31.603		
9,000.00	7,127.75	7,119.35	7,118.65	61.92	30.43	90.15	298.10	-458.36	2,775.85	2,685.35	90.51	30.670		
9,081.77	7,128.41	7,120.22	7,119.52	63.56	30.43	90.17	298.10	-458.37	2,774.65	2,682.06	92.59	29.967		
9,100.00	7,128.56	7,120.41	7,119.71	63.92	30.43	90.17	298.09	-458.37	2,774.71	2,681.66	93.05	29.820		
9,200.00	7,129.37	7,121.49	7,120.79	66.01	30.44	90.19	298.09	-458.37	2,777.16	2,681.57	95.59	29.052		
9,300.00	7,130.19	7,122.57	7,121.88	68.16	30.44	90.22	298.09	-458.38	2,783.21	2,685.09	98.12	28.365		
9,400.00	7,131.00	7,123.67	7,122.97	70.38	30.45	90.24	298.09	-458.38	2,792.83	2,692.22	100.61	27.758		
9,500.00	7,131.81	7,124.78	7,124.09	72.65	30.45	90.26	298.08	-458.39	2,805.99	2,702.93	103.06	27.228		
9,600.00	7,132.63	7,125.91	7,125.21	74.97	30.46	90.28	298.08	-458.39	2,822.62	2,717.19	105.44	26.771		
9,700.00	7,133.44	7,127.04	7,126.34	77.33	30.46	90.31	298.08	-458.40	2,842.68	2,734.94	107.74	26.385		
9,800.00	7,134.25	7,128.19	7,127.49	79.72	30.47	90.33	298.07	-458.40	2,866.09	2,756.13	109.96	26.065		
9,900.00	7,135.07	7,129.35	7,128.65	82.16	30.47	90.36	298.07	-458.41	2,892.76	2,780.68	112.09	25.809		
10,000.00	7,135.88	7,130.52	7,129.82	84.62	30.48	90.38	298.07	-458.41	2,922.62	2,808.50	114.11	25.611		
10,100.00	7,136.70	7,131.70	7,131.00	87.11	30.48	90.40	298.07	-458.42	2,955.56	2,839.51	116.04	25.469		
10,200.00	7,137.51	7,132.90	7,132.20	89.62	30.49	90.43	298.06	-458.42	2,991.48	2,873.61	117.87	25.380		
10,300.00	7,138.32	7,134.11	7,133.41	92.16	30.49	90.45	298.06	-458.43	3,030.27	2,910.69	119.59	25.339 SF		
10,400.00	7,139.14	7,135.33	7,134.63	94.71	30.50	90.48	298.06	-458.43	3,071.83	2,950.63	121.20	25.345		
10,500.00	7,139.95	7,136.57	7,135.87	97.29	30.50	90.51	298.05	-458.44	3,116.05	2,993.34	122.71	25.393		
10,600.00	7,140.76	7,137.82	7,137.12	99.88	30.51	90.53	298.05	-458.45	3,162.81	3,038.68	124.13	25.480		
10,700.00	7,141.58	7,139.08	7,138.38	102.48	30.51	90.56	298.05	-458.45	3,212.00	3,086.56	125.44	25.606		
10,800.00	7,142.39	7,140.36	7,139.66	105.10	30.52	90.58	298.05	-458.46	3,263.52	3,136.86	126.66	25.766		
10,900.00	7,143.20	7,141.66	7,140.96	107.74	30.53	90.61	298.04	-458.46	3,317.25	3,189.46	127.79	25.958		
11,000.00	7,144.02	7,142.96	7,142.26	110.38	30.53	90.64	298.04	-458.47	3,373.09	3,244.26	128.84	26.181		
11,100.00	7,144.83	7,144.29	7,143.59	113.04	30.54	90.66	298.04	-458.48	3,430.94	3,301.14	129.80	26.433		
11,200.00	7,145.65	7,145.63	7,144.93	115.71	30.54	90.69	298.04	-458.49	3,490.69	3,360.01	130.68	26.711		
11,300.00	7,146.46	7,146.98	7,146.28	118.38	30.55	90.72	298.03	-458.49	3,552.25	3,420.76	131.50	27.014		
11,400.00	7,147.27	7,148.35	7,147.65	121.07	30.55	90.75	298.03	-458.50	3,615.53	3,483.29	132.24	27.340		
11,500.00	7,148.09	7,149.74	7,149.04	123.76	30.56	90.78	298.03	-458.51	3,680.44	3,547.52	132.93	27.688		
11,600.00	7,148.90	7,151.14	7,150.44	126.46	30.57	90.81	298.03	-458.52	3,746.90	3,613.35	133.55	28.056		
11,700.00	7,149.71	7,152.56	7,151.86	129.17	30.57	90.84	298.03	-458.52	3,814.81	3,680.69	134.12	28.444		
11,800.00	7,150.53	7,153.99	7,153.29	131.89	30.58	90.86	298.02	-458.53	3,884.11	3,749.48	134.64	28.849		
11,900.00	7,151.34	7,155.45	7,154.75	134.61	30.58	90.89	298.02	-458.54	3,954.73	3,819.63	135.11	29.271		
12,000.00	7,152.16	7,156.92	7,156.22	137.34	30.59	90.93	298.02	-458.55	4,026.59	3,891.06	135.53	29.709		
12,100.00	7,152.97	7,158.41	7,157.71	140.07	30.60	90.96	298.02	-458.56	4,099.63	3,963.71	135.92	30.162		
12,200.00	7,153.78	7,159.91	7,159.21	142.81	30.60	90.99	298.02	-458.57	4,173.79	4,037.52	136.27	30.629		
12,300.00	7,154.60	7,161.44	7,160.74	145.55	30.61	91.02	298.02	-458.58	4,249.01	4,112.42	136.59	31.109		
12,400.00	7,155.41	7,162.98	7,162.28	148.30	30.62	91.05	298.01	-458.59	4,325.23	4,188.36	136.87	31.601		
12,500.00	7,156.22	7,164.55	7,163.85	151.05	30.62	91.08	298.01	-458.60	4,402.40	4,265.28	137.13	32.105		
12,600.00	7,157.04	7,166.13	7,165.43	153.80	30.63	91.12	298.01	-458.61	4,480.48	4,343.12	137.35	32.620		
12,700.00	7,157.85	7,167.73	7,167.03	156.56	30.64	91.15	298.01	-458.62	4,559.41	4,421.85	137.56	33.145		
12,800.00	7,158.66	7,169.36	7,168.66	159.33	30.64	91.18	298.01	-458.63	4,639.15	4,501.41	137.74	33.680		
12,900.00	7,159.48	7,171.00	7,170.30	162.09	30.65	91.22	298.01	-458.64	4,719.66	4,581.76	137.90	34.224		
13,000.00	7,160.29	7,172.67	7,171.97	164.86	30.66	91.25	298.01	-458.65	4,800.91	4,662.86	138.05	34.777		
13,100.00	7,161.11	7,174.36	7,173.66	167.64	30.66	91.29	298.01	-458.67	4,882.85	4,744.68	138.17	35.339		
13,209.97	7,162.00	7,176.24	7,175.54	170.69	30.67	91.32	298.01	-458.68	4,973.72	4,835.43	138.29	35.965		
13,210.89	7,162.01	7,176.25	7,175.55	170.72	30.67	91.32	298.01	-458.68	4,974.48	4,836.19	138.30	35.970		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-116.87	-2,171.99	-4,286.44	4,805.35					
100.00	100.00	106.47	106.47	3.28	3.29	-116.87	-2,171.91	-4,286.23	4,805.14	4,798.57	6.57	731.069		
192.06	192.06	178.06	178.06	3.33	3.33	-116.87	-2,171.72	-4,286.18	4,804.97	4,798.31	6.66	721.862		
200.00	200.00	184.43	184.43	3.34	3.33	-116.87	-2,171.70	-4,286.19	4,804.97	4,798.30	6.67	720.688		
300.00	299.98	317.95	317.94	3.44	3.48	91.49	-2,170.79	-4,286.30	4,804.81	4,797.89	6.92	694.837		
400.00	399.84	417.25	417.25	3.59	3.64	91.57	-2,170.16	-4,285.83	4,804.24	4,797.01	7.23	664.726		
460.12	459.76	458.03	458.02	3.71	3.72	91.61	-2,170.04	-4,285.69	4,804.10	4,796.68	7.42	647.439		
500.00	499.45	485.03	485.02	3.79	3.77	91.64	-2,170.01	-4,285.66	4,804.16	4,796.60	7.56	635.491		
600.00	598.70	584.87	584.86	4.04	4.00	91.78	-2,169.78	-4,285.87	4,804.60	4,796.57	8.03	598.273		
700.00	697.47	721.87	721.86	4.32	4.36	92.05	-2,168.70	-4,285.75	4,804.69	4,796.01	8.68	553.632		
788.88	784.74	812.05	812.03	4.61	4.63	92.26	-2,168.17	-4,285.18	4,804.58	4,795.35	9.23	520.564		
800.00	795.62	817.91	817.89	4.64	4.64	92.27	-2,168.15	-4,285.14	4,804.59	4,795.31	9.28	517.463		
900.00	893.06	895.41	895.39	5.01	4.88	92.47	-2,168.01	-4,284.74	4,804.99	4,795.10	9.89	485.899		
1,000.00	989.64	971.13	971.11	5.41	5.13	92.68	-2,168.02	-4,284.63	4,806.06	4,795.53	10.53	456.233		
1,100.00	1,085.27	1,056.98	1,056.96	5.85	5.41	92.95	-2,167.93	-4,284.90	4,807.81	4,796.55	11.26	426.986		
1,200.00	1,179.82	1,173.32	1,173.29	6.33	5.82	93.37	-2,167.35	-4,285.39	4,809.90	4,797.75	12.14	396.170		
1,300.00	1,273.17	1,270.34	1,270.32	6.84	6.17	93.74	-2,166.82	-4,285.34	4,811.99	4,798.99	13.01	369.981		
1,404.90	1,369.69	1,357.48	1,357.45	7.43	6.48	94.09	-2,166.79	-4,285.22	4,814.88	4,800.97	13.91	346.083		
1,500.00	1,456.50	1,430.44	1,430.42	8.00	6.75	94.44	-2,166.98	-4,285.20	4,818.13	4,803.39	14.75	326.741		
1,600.00	1,547.79	1,502.22	1,502.20	8.61	7.02	94.79	-2,167.23	-4,285.45	4,822.22	4,806.60	15.62	308.628		
1,700.00	1,639.07	1,583.59	1,583.56	9.23	7.33	95.18	-2,167.56	-4,285.98	4,826.93	4,810.38	16.56	291.526		
1,800.00	1,730.36	1,664.73	1,664.70	9.87	7.64	95.57	-2,168.02	-4,286.64	4,832.17	4,814.67	17.50	276.060		
1,900.00	1,821.64	1,745.64	1,745.60	10.52	7.96	95.95	-2,168.72	-4,287.38	4,837.94	4,819.48	18.46	262.050		
2,000.00	1,912.93	1,849.01	1,848.96	11.18	8.36	96.45	-2,169.55	-4,288.50	4,844.18	4,824.66	19.52	248.165		
2,100.00	2,004.21	1,974.70	1,974.64	11.84	8.86	97.05	-2,170.32	-4,289.03	4,850.09	4,829.41	20.68	234.547		
2,200.00	2,095.50	2,110.81	2,110.75	12.51	9.40	97.69	-2,170.71	-4,288.73	4,855.71	4,833.82	21.89	221.838		
2,300.00	2,186.78	2,200.75	2,200.69	13.19	9.76	98.12	-2,170.70	-4,288.21	4,861.24	4,838.33	22.92	212.116		
2,400.00	2,278.06	2,277.21	2,277.15	13.86	10.07	98.48	-2,171.07	-4,287.74	4,867.23	4,843.33	23.90	203.677		
2,500.00	2,369.35	2,342.42	2,342.36	14.55	10.33	98.78	-2,171.74	-4,287.48	4,873.89	4,849.06	24.83	196.273		
2,600.00	2,460.63	2,403.82	2,403.75	15.23	10.58	99.07	-2,172.42	-4,287.63	4,881.45	4,855.70	25.75	189.550		
2,700.00	2,551.92	2,492.04	2,491.97	15.92	10.94	99.48	-2,173.27	-4,288.20	4,889.63	4,862.84	26.79	182.527		
2,800.00	2,643.20	2,605.34	2,605.26	16.61	11.40	100.01	-2,174.17	-4,288.79	4,897.98	4,870.04	27.93	175.342		
2,900.00	2,734.49	2,703.03	2,702.95	17.30	11.80	100.46	-2,175.00	-4,288.97	4,906.37	4,877.35	29.01	169.098		
3,000.00	2,825.77	2,793.08	2,792.99	18.00	12.17	100.87	-2,175.93	-4,289.05	4,915.02	4,884.96	30.07	163.479		
3,100.00	2,917.06	2,858.07	2,857.98	18.69	12.44	101.17	-2,176.68	-4,289.25	4,924.23	4,893.22	31.01	158.808		
3,200.00	3,008.34	2,943.05	2,942.95	19.39	12.79	101.56	-2,177.57	-4,290.01	4,934.21	4,902.18	32.04	154.018		
3,300.00	3,099.63	3,063.61	3,063.51	20.09	13.29	102.12	-2,178.27	-4,290.71	4,944.12	4,910.90	33.22	148.817		
3,400.00	3,190.91	3,149.16	3,149.06	20.79	13.65	102.51	-2,178.96	-4,290.89	4,954.08	4,919.83	34.26	144.620		
3,500.00	3,282.20	3,221.90	3,221.79	21.49	13.95	102.84	-2,179.85	-4,291.23	4,964.66	4,929.43	35.23	140.914		
3,600.00	3,373.48	3,295.33	3,295.21	22.19	14.25	103.17	-2,180.80	-4,291.83	4,975.88	4,939.67	36.21	137.418		
3,700.00	3,464.77	3,418.70	3,418.57	22.89	14.77	103.73	-2,181.79	-4,292.79	4,987.25	4,949.83	37.41	133.305		
3,800.00	3,556.05	3,511.09	3,510.96	23.60	15.15	104.15	-2,182.16	-4,293.31	4,998.64	4,960.17	38.48	129.919		
3,900.00	3,647.34	3,603.44	3,603.31	24.30	15.54	104.57	-2,182.48	-4,293.82	5,010.33	4,970.79	39.54	126.724		
4,000.00	3,738.62	3,695.76	3,695.63	25.00	15.93	104.98	-2,182.74	-4,294.32	5,022.30	4,981.70	40.60	123.706		
4,100.00	3,829.91	3,788.04	3,787.91	25.71	16.31	105.40	-2,182.95	-4,294.81	5,034.55	4,992.89	41.66	120.851		
4,200.00	3,921.19	3,880.29	3,880.15	26.42	16.70	105.81	-2,183.11	-4,295.29	5,047.09	5,004.37	42.72	118.147		
4,300.00	4,012.48	3,972.49	3,972.35	27.12	17.09	106.23	-2,183.22	-4,295.76	5,059.91	5,016.13	43.78	115.584		
4,400.00	4,103.76	4,064.66	4,064.52	27.83	17.47	106.64	-2,183.28	-4,296.22	5,073.01	5,028.17	44.83	113.151		
4,500.00	4,195.05	4,156.79	4,156.65	28.54	17.86	107.05	-2,183.28	-4,296.68	5,086.39	5,040.50	45.89	110.839		
4,600.00	4,286.33	4,251.54	4,251.39	29.24	18.26	107.47	-2,183.19	-4,297.13	5,100.03	5,053.08	46.96	108.612		
4,700.00	4,377.62	4,346.00	4,345.86	29.95	18.66	107.89	-2,182.79	-4,297.55	5,113.89	5,065.87	48.02	106.495		

CC - Min centre 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-14C-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-14C-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	4,468.90	4,436.37	4,436.22	30.66	19.04	108.30	-2,182.15	-4,297.96	5,128.03	5,078.96	49.06	104.519					
4,900.00	4,560.19	4,517.28	4,517.13	31.37	19.38	108.66	-2,181.54	-4,298.38	5,142.52	5,092.46	50.06	102.728					
5,000.00	4,651.47	4,579.13	4,578.98	32.08	19.64	108.93	-2,181.01	-4,298.98	5,157.69	5,106.73	50.96	101.207					
5,100.00	4,742.76	4,673.26	4,673.09	32.79	20.04	109.35	-2,180.11	-4,300.24	5,173.48	5,121.46	52.02	99.457					
5,200.00	4,834.04	4,774.53	4,774.36	33.50	20.46	109.80	-2,179.09	-4,301.34	5,189.33	5,136.22	53.11	97.717					
5,300.00	4,925.33	4,910.68	4,910.50	34.21	21.04	110.39	-2,178.53	-4,302.11	5,205.09	5,150.72	54.36	95.749					
5,400.00	5,016.61	4,991.96	4,991.77	34.92	21.38	110.73	-2,179.14	-4,302.18	5,220.77	5,165.41	55.35	94.319					
5,500.00	5,107.90	5,065.41	5,065.22	35.63	21.69	111.03	-2,179.87	-4,302.38	5,236.90	5,180.60	56.30	93.014					
5,600.00	5,199.18	5,144.40	5,144.20	36.34	22.03	111.36	-2,180.49	-4,302.88	5,253.60	5,196.33	57.28	91.723					
5,700.00	5,290.46	5,230.48	5,230.28	37.05	22.39	111.72	-2,180.81	-4,303.57	5,270.70	5,212.41	58.28	90.432					
5,800.00	5,381.75	5,336.02	5,335.81	37.76	22.84	112.15	-2,181.25	-4,304.44	5,288.09	5,228.70	59.39	89.046					
5,900.00	5,473.03	5,461.39	5,461.19	38.47	23.37	112.67	-2,182.06	-4,304.59	5,305.04	5,244.46	60.59	87.563					
6,000.00	5,564.32	5,565.00	5,564.78	39.18	23.81	113.08	-2,183.68	-4,304.34	5,322.02	5,260.35	61.68	86.290					
6,100.00	5,655.60	5,651.83	5,651.60	39.90	24.18	113.42	-2,185.01	-4,304.01	5,339.11	5,276.43	62.68	85.179					
6,200.00	5,746.89	5,722.87	5,722.63	40.61	24.48	113.70	-2,185.97	-4,303.94	5,356.68	5,293.07	63.61	84.217					
6,300.00	5,838.17	5,784.25	5,784.01	41.32	24.74	113.94	-2,186.84	-4,304.19	5,374.95	5,310.47	64.48	83.363					
6,400.00	5,929.46	5,865.51	5,865.25	42.03	25.08	114.26	-2,187.89	-4,304.88	5,393.85	5,328.40	65.45	82.417					
6,500.00	6,020.74	5,968.23	5,967.97	42.74	25.52	114.66	-2,188.46	-4,305.76	5,412.98	5,346.45	66.52	81.369					
6,600.00	6,112.03	6,096.14	6,095.88	43.46	26.06	115.17	-2,188.43	-4,306.28	5,431.93	5,364.20	67.73	80.201					
6,700.00	6,203.31	6,201.57	6,201.31	44.17	26.51	115.59	-2,188.55	-4,306.17	5,450.66	5,381.84	68.82	79.206					
6,800.00	6,294.60	6,292.91	6,292.64	44.88	26.90	115.94	-2,188.92	-4,305.97	5,469.51	5,399.68	69.83	78.327					
6,900.00	6,385.88	6,384.43	6,384.17	45.59	27.28	116.30	-2,189.41	-4,305.77	5,488.60	5,417.76	70.84	77.477					
6,927.91	6,411.36	6,409.97	6,409.71	45.79	27.39	116.39	-2,189.54	-4,305.71	5,493.97	5,422.84	71.12	77.245					
6,950.00	6,431.59	6,430.26	6,429.99	45.95	27.48	112.35	-2,189.65	-4,305.66	5,497.85	5,426.51	71.35	77.060					
7,000.00	6,477.77	6,476.54	6,476.28	46.27	27.68	102.18	-2,189.90	-4,305.56	5,503.89	5,432.05	71.83	76.620					
7,050.00	6,524.26	6,523.13	6,522.86	46.56	27.87	91.08	-2,190.14	-4,305.46	5,506.07	5,433.77	72.30	76.157					
7,100.00	6,570.76	6,569.73	6,569.46	46.81	28.07	79.92	-2,190.39	-4,305.35	5,504.38	5,431.65	72.73	75.680					
7,150.00	6,617.00	6,616.05	6,615.78	47.02	28.27	69.60	-2,190.64	-4,305.25	5,498.84	5,425.71	73.13	75.194					
7,200.00	6,662.68	6,661.80	6,661.54	47.20	28.46	60.67	-2,190.88	-4,305.15	5,489.47	5,415.99	73.49	74.701					
7,250.00	6,707.53	6,706.72	6,706.45	47.34	28.65	53.29	-2,191.12	-4,305.05	5,476.34	5,402.54	73.80	74.203					
7,300.00	6,751.28	6,750.51	6,750.24	47.47	28.84	47.35	-2,191.35	-4,304.95	5,459.52	5,385.44	74.08	73.698					
7,350.00	6,793.64	6,792.91	6,792.64	47.57	29.02	42.63	-2,191.58	-4,304.85	5,439.12	5,364.79	74.32	73.184					
7,400.00	6,834.35	6,833.66	6,833.39	47.66	29.19	38.89	-2,191.79	-4,304.76	5,415.24	5,340.71	74.53	72.661					
7,450.00	6,873.18	6,872.50	6,872.23	47.75	29.36	35.95	-2,192.00	-4,304.68	5,388.04	5,313.34	74.70	72.126					
7,500.00	6,909.88	6,909.20	6,908.93	47.83	29.51	33.64	-2,192.19	-4,304.60	5,357.68	5,282.83	74.85	71.579					
7,550.00	6,944.21	6,943.54	6,943.26	47.91	29.66	31.87	-2,192.38	-4,304.52	5,324.35	5,249.37	74.97	71.018					
7,600.00	6,975.98	6,975.29	6,975.01	47.99	29.80	30.55	-2,192.54	-4,304.45	5,288.22	5,213.16	75.07	70.445					
7,650.00	7,004.98	7,004.26	7,003.98	48.09	29.92	29.64	-2,192.70	-4,304.38	5,249.54	5,174.39	75.15	69.858					
7,700.00	7,031.04	7,030.28	7,030.00	48.20	30.03	29.12	-2,192.84	-4,304.32	5,208.52	5,133.32	75.21	69.257					
7,750.00	7,053.99	7,053.18	7,052.90	48.32	30.13	29.01	-2,192.96	-4,304.27	5,165.42	5,090.17	75.25	68.645					
7,800.00	7,073.70	7,072.82	7,072.54	48.46	30.21	29.38	-2,193.06	-4,304.23	5,120.49	5,045.21	75.28	68.021					
7,850.00	7,090.03	7,089.09	7,088.81	48.62	30.28	30.43	-2,193.15	-4,304.19	5,074.00	4,998.70	75.30	67.386					
7,900.00	7,102.90	7,101.87	7,101.60	48.81	30.33	32.57	-2,193.22	-4,304.16	5,026.24	4,950.93	75.31	66.744					
7,950.00	7,112.22	7,111.10	7,110.82	49.02	30.37	36.95	-2,193.27	-4,304.14	4,977.49	4,902.18	75.31	66.095					
8,000.00	7,117.94	7,116.72	7,116.44	49.26	30.40	47.71	-2,193.30	-4,304.13	4,928.04	4,852.74	75.30	65.443					
8,047.82	7,120.00	7,118.67	7,118.40	49.51	30.41	84.29	-2,193.31	-4,304.13	4,880.39	4,805.09	75.29	64.818					
8,100.00	7,120.42	7,118.98	7,118.70	49.82	30.41	84.36	-2,193.31	-4,304.13	4,828.29	4,753.01	75.28	64.136					
8,200.00	7,121.24	7,119.57	7,119.29	50.53	30.41	84.48	-2,193.31	-4,304.13	4,728.46	4,653.20	75.26	62.829					
8,300.00	7,122.05	7,120.16	7,119.88	51.39	30.41	84.60	-2,193.31	-4,304.12	4,628.63	4,553.39	75.24	61.521					
8,400.00	7,122.86	7,120.75	7,120.47	52.42	30.41	84.72	-2,193.32	-4,304.12	4,528.81	4,453.59	75.21	60.212					

CC - Min centre 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-14C-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-14C-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	7,123.68	7,121.33	7,121.06	53.63	30.42	84.85	-2,193.32	-4,304.12	4,428.99	4,353.80	75.19	58.902		
8,600.00	7,124.49	7,121.92	7,121.65	55.01	30.42	84.97	-2,193.32	-4,304.12	4,329.19	4,254.02	75.17	57.591		
8,700.00	7,125.30	7,122.51	7,122.24	56.54	30.42	85.09	-2,193.33	-4,304.12	4,229.39	4,154.24	75.15	56.278		
8,800.00	7,126.12	7,123.10	7,122.82	58.21	30.42	85.22	-2,193.33	-4,304.12	4,129.61	4,054.48	75.13	54.964		
8,900.00	7,126.93	7,123.69	7,123.41	60.01	30.43	85.34	-2,193.33	-4,304.12	4,029.83	3,954.72	75.11	53.649		
9,000.00	7,127.75	7,124.28	7,124.00	61.92	30.43	85.46	-2,193.34	-4,304.11	3,930.07	3,854.97	75.10	52.333		
9,100.00	7,128.56	7,124.87	7,124.59	63.92	30.43	85.58	-2,193.34	-4,304.11	3,830.32	3,755.24	75.08	51.015		
9,200.00	7,129.37	7,125.46	7,125.18	66.01	30.43	85.71	-2,193.34	-4,304.11	3,730.58	3,655.51	75.07	49.696		
9,300.00	7,130.19	7,126.05	7,125.77	68.16	30.44	85.83	-2,193.34	-4,304.11	3,630.86	3,555.80	75.06	48.376		
9,400.00	7,131.00	7,126.63	7,126.36	70.38	30.44	85.95	-2,193.35	-4,304.11	3,531.15	3,456.10	75.04	47.054		
9,500.00	7,131.81	7,127.22	7,126.95	72.65	30.44	86.08	-2,193.35	-4,304.11	3,431.46	3,356.42	75.04	45.731		
9,600.00	7,132.63	7,127.81	7,127.54	74.97	30.44	86.20	-2,193.35	-4,304.11	3,331.79	3,256.75	75.03	44.405		
9,700.00	7,133.44	7,128.40	7,128.12	77.33	30.45	86.32	-2,193.36	-4,304.11	3,232.13	3,157.10	75.03	43.079		
9,800.00	7,134.25	7,128.99	7,128.71	79.72	30.45	86.45	-2,193.36	-4,304.10	3,132.50	3,057.47	75.03	41.750		
9,900.00	7,135.07	7,129.58	7,129.30	82.16	30.45	86.57	-2,193.36	-4,304.10	3,032.90	2,957.86	75.04	40.419		
10,000.00	7,135.88	7,130.17	7,129.89	84.62	30.45	86.69	-2,193.37	-4,304.10	2,933.32	2,858.27	75.05	39.087		
10,100.00	7,136.70	7,130.76	7,130.48	87.11	30.46	86.82	-2,193.37	-4,304.10	2,833.76	2,758.70	75.06	37.752		
10,200.00	7,137.51	7,131.35	7,131.07	89.62	30.46	86.94	-2,193.37	-4,304.10	2,734.25	2,659.16	75.09	36.414		
10,300.00	7,138.32	7,131.93	7,131.66	92.16	30.46	87.06	-2,193.38	-4,304.10	2,634.77	2,559.64	75.12	35.073		
10,400.00	7,139.14	7,132.52	7,132.25	94.71	30.46	87.19	-2,193.38	-4,304.10	2,535.32	2,460.16	75.17	33.730		
10,500.00	7,139.95	7,133.11	7,132.84	97.29	30.47	87.31	-2,193.38	-4,304.10	2,435.93	2,360.71	75.22	32.383		
10,600.00	7,140.76	7,133.70	7,133.42	99.88	30.47	87.43	-2,193.39	-4,304.09	2,336.59	2,261.29	75.30	31.032		
10,700.00	7,141.58	7,134.29	7,134.01	102.48	30.47	87.56	-2,193.39	-4,304.09	2,237.30	2,161.91	75.39	29.676		
10,800.00	7,142.39	7,134.88	7,134.60	105.10	30.47	87.68	-2,193.39	-4,304.09	2,138.08	2,062.57	75.51	28.316		
10,900.00	7,143.20	7,135.47	7,135.19	107.74	30.48	87.80	-2,193.39	-4,304.09	2,038.94	1,963.28	75.65	26.951		
11,000.00	7,144.02	7,136.06	7,135.78	110.38	30.48	87.93	-2,193.40	-4,304.09	1,939.88	1,864.04	75.84	25.579		
11,100.00	7,144.83	7,136.65	7,136.37	113.04	30.48	88.05	-2,193.40	-4,304.09	1,840.93	1,764.86	76.07	24.200		
11,200.00	7,145.65	7,137.23	7,136.96	115.71	30.48	88.17	-2,193.40	-4,304.09	1,742.10	1,665.74	76.36	22.814		
11,300.00	7,146.46	7,137.82	7,137.55	118.38	30.49	88.30	-2,193.41	-4,304.08	1,643.40	1,566.68	76.73	21.418		
11,400.00	7,147.27	7,138.41	7,138.14	121.07	30.49	88.42	-2,193.41	-4,304.08	1,544.88	1,467.69	77.19	20.013		
11,500.00	7,148.09	7,139.00	7,138.73	123.76	30.49	88.55	-2,193.41	-4,304.08	1,446.56	1,368.77	77.79	18.597		
11,600.00	7,148.90	7,139.59	7,139.31	126.46	30.49	88.67	-2,193.42	-4,304.08	1,348.48	1,269.94	78.54	17.169		
11,700.00	7,149.71	7,140.18	7,139.90	129.17	30.50	88.79	-2,193.42	-4,304.08	1,250.71	1,171.19	79.52	15.728		
11,800.00	7,150.53	7,140.77	7,140.49	131.89	30.50	88.92	-2,193.42	-4,304.08	1,153.32	1,072.53	80.79	14.275		
11,900.00	7,151.34	7,141.36	7,141.08	134.61	30.50	89.04	-2,193.43	-4,304.08	1,056.42	973.95	82.46	12.811		
12,000.00	7,152.16	7,141.95	7,141.67	137.34	30.50	89.16	-2,193.43	-4,304.08	960.15	875.47	84.68	11.338		
12,100.00	7,152.97	7,142.53	7,142.26	140.07	30.51	89.29	-2,193.43	-4,304.07	864.73	777.07	87.66	9.864		
12,200.00	7,153.78	7,143.12	7,142.85	142.81	30.51	89.41	-2,193.44	-4,304.07	770.48	678.76	91.71	8.401		
12,300.00	7,154.60	7,143.71	7,143.44	145.55	30.51	89.54	-2,193.44	-4,304.07	677.87	580.58	97.28	6.968		
12,400.00	7,155.41	7,144.30	7,144.03	148.30	30.51	89.66	-2,193.44	-4,304.07	587.68	482.64	105.04	5.595		
12,500.00	7,156.22	7,144.89	7,144.61	151.05	30.52	89.78	-2,193.44	-4,304.07	501.24	385.32	115.91	4.324		
12,600.00	7,157.04	7,145.48	7,145.20	153.80	30.52	89.91	-2,193.45	-4,304.07	420.84	289.76	131.08	3.211		
12,700.00	7,157.85	7,146.07	7,145.79	156.56	30.52	90.03	-2,193.45	-4,304.07	350.67	199.34	151.33	2.317		
12,800.00	7,158.66	7,146.66	7,146.38	159.33	30.52	90.15	-2,193.45	-4,304.06	298.05	123.48	174.58	1.707		
12,900.00	7,159.48	7,147.25	7,146.97	162.09	30.53	90.28	-2,193.46	-4,304.06	273.31	81.74	191.58	1.427 Level 3		
12,920.68	7,159.65	7,147.37	7,147.09	162.67	30.53	90.30	-2,193.46	-4,304.06	272.53	79.45	193.08	1.411 Level 3, CC, ES, SF		
13,000.00	7,160.29	7,147.84	7,147.56	164.86	30.53	90.40	-2,193.46	-4,304.06	283.84	92.75	191.09	1.485 Level 3		
13,100.00	7,161.11	7,148.42	7,148.15	167.64	30.53	90.53	-2,193.46	-4,304.06	326.23	149.91	176.32	1.850		
13,209.97	7,162.00	7,149.07	7,148.80	170.69	30.53	90.66	-2,193.47	-4,304.06	397.44	240.64	156.81	2.535		
13,210.89	7,162.01	7,149.08	7,148.80	170.72	30.53	90.66	-2,193.47	-4,304.06	398.11	241.46	156.65	2.541		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 #6-66-9-0758CDH(PR) - OH - OH													Offset Well Error:	3.28 ft
Survey Program: 740-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		
9,900.00	7,135.07	11,976.00	7,279.28	82.16	107.53	93.19	-1,193.78	-11,168.31	9,967.79	9,820.84	146.95	67.831		
10,000.00	7,135.88	11,976.00	7,279.28	84.62	107.53	93.19	-1,193.78	-11,168.31	9,868.59	9,721.63	146.96	67.150		
10,100.00	7,136.70	11,976.00	7,279.28	87.11	107.53	93.19	-1,193.78	-11,168.31	9,769.41	9,622.43	146.98	66.466		
10,200.00	7,137.51	11,976.00	7,279.28	89.62	107.53	93.19	-1,193.78	-11,168.31	9,670.25	9,523.24	147.01	65.781		
10,300.00	7,138.32	11,976.00	7,279.28	92.16	107.53	93.19	-1,193.78	-11,168.31	9,571.10	9,424.07	147.04	65.093		
10,400.00	7,139.14	11,976.00	7,279.28	94.71	107.53	93.19	-1,193.78	-11,168.31	9,471.98	9,324.90	147.07	64.403		
10,500.00	7,139.95	11,976.00	7,279.28	97.29	107.53	93.19	-1,193.78	-11,168.31	9,372.87	9,225.75	147.12	63.710		
10,600.00	7,140.76	11,976.00	7,279.28	99.88	107.53	93.19	-1,193.78	-11,168.31	9,273.78	9,126.61	147.17	63.015		
10,700.00	7,141.58	11,976.00	7,279.28	102.48	107.53	93.19	-1,193.78	-11,168.31	9,174.71	9,027.49	147.22	62.318		
10,800.00	7,142.39	11,976.00	7,279.28	105.10	107.53	93.19	-1,193.78	-11,168.31	9,075.66	8,928.37	147.29	61.618		
10,900.00	7,143.20	11,976.00	7,279.28	107.74	107.53	93.19	-1,193.78	-11,168.31	8,976.63	8,829.27	147.36	60.916		
11,000.00	7,144.02	11,976.00	7,279.28	110.38	107.53	93.19	-1,193.78	-11,168.31	8,877.63	8,730.19	147.44	60.212		
11,100.00	7,144.83	11,976.00	7,279.28	113.04	107.53	93.19	-1,193.78	-11,168.31	8,778.64	8,631.11	147.53	59.505		
11,200.00	7,145.65	11,976.00	7,279.28	115.71	107.53	93.19	-1,193.78	-11,168.31	8,679.68	8,532.05	147.63	58.795		
11,300.00	7,146.46	11,976.00	7,279.28	118.38	107.53	93.19	-1,193.78	-11,168.31	8,580.74	8,433.01	147.73	58.082		
11,400.00	7,147.27	11,976.00	7,279.28	121.07	107.53	93.19	-1,193.78	-11,168.31	8,481.83	8,333.98	147.85	57.367		
11,500.00	7,148.09	11,976.00	7,279.28	123.76	107.53	93.19	-1,193.78	-11,168.31	8,382.95	8,234.97	147.98	56.650		
11,600.00	7,148.90	11,976.00	7,279.28	126.46	107.53	93.19	-1,193.78	-11,168.31	8,284.09	8,135.97	148.12	55.929		
11,700.00	7,149.71	11,976.00	7,279.28	129.17	107.53	93.19	-1,193.78	-11,168.31	8,185.26	8,036.99	148.27	55.206		
11,800.00	7,150.53	11,976.00	7,279.28	131.89	107.53	93.19	-1,193.78	-11,168.31	8,086.45	7,938.03	148.43	54.480		
11,900.00	7,151.34	11,976.00	7,279.28	134.61	107.53	93.19	-1,193.78	-11,168.31	7,987.68	7,839.08	148.60	53.752		
12,000.00	7,152.16	11,976.00	7,279.28	137.34	107.53	93.19	-1,193.78	-11,168.31	7,888.94	7,740.15	148.79	53.020		
12,100.00	7,152.97	11,976.00	7,279.28	140.07	107.53	93.19	-1,193.78	-11,168.31	7,790.23	7,641.24	148.99	52.286		
12,200.00	7,153.78	11,976.00	7,279.28	142.81	107.53	93.19	-1,193.78	-11,168.31	7,691.55	7,542.35	149.21	51.549		
12,300.00	7,154.60	11,976.00	7,279.28	145.55	107.53	93.19	-1,193.78	-11,168.31	7,592.91	7,443.47	149.44	50.809		
12,400.00	7,155.41	11,976.00	7,279.28	148.30	107.53	93.19	-1,193.78	-11,168.31	7,494.31	7,344.62	149.69	50.067		
12,500.00	7,156.22	11,976.00	7,279.28	151.05	107.53	93.19	-1,193.78	-11,168.31	7,395.74	7,245.79	149.95	49.321		
12,600.00	7,157.04	11,976.00	7,279.28	153.80	107.53	93.19	-1,193.78	-11,168.31	7,297.21	7,146.98	150.23	48.573		
12,700.00	7,157.85	11,976.00	7,279.28	156.56	107.53	93.19	-1,193.78	-11,168.31	7,198.72	7,048.19	150.53	47.821		
12,800.00	7,158.66	11,976.00	7,279.28	159.33	107.53	93.19	-1,193.78	-11,168.31	7,100.27	6,949.42	150.85	47.068		
12,900.00	7,159.48	11,976.00	7,279.28	162.09	107.53	93.19	-1,193.78	-11,168.31	7,001.87	6,850.68	151.19	46.311		
13,000.00	7,160.29	11,976.00	7,279.28	164.86	107.53	93.19	-1,193.78	-11,168.31	6,903.52	6,751.96	151.55	45.551		
13,100.00	7,161.11	11,976.00	7,279.28	167.64	107.53	93.19	-1,193.78	-11,168.31	6,805.21	6,653.27	151.94	44.789		
13,209.97	7,162.00	11,976.00	7,279.28	170.69	107.53	93.19	-1,193.78	-11,168.31	6,697.15	6,544.77	152.39	43.948		
13,210.89	7,162.01	11,976.00	7,279.28	170.72	107.53	93.19	-1,193.78	-11,168.31	6,696.25	6,543.86	152.39	43.941 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
9,600.00	7,132.63	11,988.00	7,170.83	74.97	108.39	88.39	-1,159.55	-10,863.16	9,966.20	9,821.01	145.18	68.646		
9,700.00	7,133.44	11,988.00	7,170.83	77.33	108.39	88.39	-1,159.55	-10,863.16	9,867.04	9,721.87	145.17	67.969		
9,800.00	7,134.25	11,988.00	7,170.83	79.72	108.39	88.39	-1,159.55	-10,863.16	9,767.91	9,622.74	145.16	67.288		
9,900.00	7,135.07	11,988.00	7,170.83	82.16	108.39	88.39	-1,159.55	-10,863.16	9,668.79	9,523.63	145.16	66.606		
10,000.00	7,135.88	11,988.00	7,170.83	84.62	108.39	88.39	-1,159.55	-10,863.16	9,569.69	9,424.53	145.17	65.921		
10,100.00	7,136.70	11,988.00	7,170.83	87.11	108.39	88.39	-1,159.55	-10,863.16	9,470.62	9,325.44	145.18	65.234		
10,200.00	7,137.51	11,988.00	7,170.83	89.62	108.39	88.39	-1,159.55	-10,863.16	9,371.56	9,226.36	145.20	64.544		
10,300.00	7,138.32	11,988.00	7,170.83	92.16	108.39	88.39	-1,159.55	-10,863.16	9,272.52	9,127.30	145.22	63.852		
10,400.00	7,139.14	11,988.00	7,170.83	94.71	108.39	88.39	-1,159.55	-10,863.16	9,173.50	9,028.25	145.25	63.157		
10,500.00	7,139.95	11,988.00	7,170.83	97.29	108.39	88.39	-1,159.55	-10,863.16	9,074.50	8,929.22	145.28	62.460		
10,600.00	7,140.76	11,988.00	7,170.83	99.88	108.39	88.39	-1,159.55	-10,863.16	8,975.53	8,830.20	145.33	61.760		
10,700.00	7,141.58	11,988.00	7,170.83	102.48	108.39	88.39	-1,159.55	-10,863.16	8,876.57	8,731.19	145.38	61.057		
10,800.00	7,142.39	11,988.00	7,170.83	105.10	108.39	88.39	-1,159.55	-10,863.16	8,777.65	8,632.21	145.44	60.352		
10,900.00	7,143.20	11,988.00	7,170.83	107.74	108.39	88.39	-1,159.55	-10,863.16	8,678.74	8,533.23	145.51	59.644		
11,000.00	7,144.02	11,988.00	7,170.83	110.38	108.39	88.39	-1,159.55	-10,863.16	8,579.86	8,434.28	145.59	58.933		
11,100.00	7,144.83	11,988.00	7,170.83	113.04	108.39	88.39	-1,159.55	-10,863.16	8,481.01	8,335.34	145.67	58.219		
11,200.00	7,145.65	11,988.00	7,170.83	115.71	108.39	88.39	-1,159.55	-10,863.16	8,382.19	8,236.42	145.77	57.502		
11,300.00	7,146.46	11,988.00	7,170.83	118.38	108.39	88.39	-1,159.55	-10,863.16	8,283.39	8,137.51	145.88	56.783		
11,400.00	7,147.27	11,988.00	7,170.83	121.07	108.39	88.39	-1,159.55	-10,863.16	8,184.62	8,038.63	146.00	56.060		
11,500.00	7,148.09	11,988.00	7,170.83	123.76	108.39	88.39	-1,159.55	-10,863.16	8,085.89	7,939.76	146.13	55.334		
11,600.00	7,148.90	11,988.00	7,170.83	126.46	108.39	88.39	-1,159.55	-10,863.16	7,987.18	7,840.91	146.27	54.606		
11,700.00	7,149.71	11,988.00	7,170.83	129.17	108.39	88.39	-1,159.55	-10,863.16	7,888.51	7,742.08	146.43	53.874		
11,800.00	7,150.53	11,988.00	7,170.83	131.89	108.39	88.39	-1,159.55	-10,863.16	7,789.87	7,643.28	146.59	53.139		
11,900.00	7,151.34	11,988.00	7,170.83	134.61	108.39	88.39	-1,159.55	-10,863.16	7,691.27	7,544.49	146.78	52.401		
12,000.00	7,152.16	11,988.00	7,170.83	137.34	108.39	88.39	-1,159.55	-10,863.16	7,592.70	7,445.72	146.97	51.660		
12,100.00	7,152.97	11,988.00	7,170.83	140.07	108.39	88.39	-1,159.55	-10,863.16	7,494.17	7,346.98	147.19	50.916		
12,200.00	7,153.78	11,988.00	7,170.83	142.81	108.39	88.39	-1,159.55	-10,863.16	7,395.68	7,248.26	147.42	50.168		
12,300.00	7,154.60	11,988.00	7,170.83	145.55	108.39	88.39	-1,159.55	-10,863.16	7,297.23	7,149.57	147.66	49.418		
12,400.00	7,155.41	11,988.00	7,170.83	148.30	108.39	88.39	-1,159.55	-10,863.16	7,198.82	7,050.89	147.93	48.664		
12,500.00	7,156.22	11,988.00	7,170.83	151.05	108.39	88.39	-1,159.55	-10,863.16	7,100.46	6,952.25	148.21	47.907		
12,600.00	7,157.04	11,988.00	7,170.83	153.80	108.39	88.39	-1,159.55	-10,863.16	7,002.15	6,853.63	148.52	47.147		
12,700.00	7,157.85	11,988.00	7,170.83	156.56	108.39	88.39	-1,159.55	-10,863.16	6,903.88	6,755.04	148.84	46.384		
12,800.00	7,158.66	11,988.00	7,170.83	159.33	108.39	88.39	-1,159.55	-10,863.16	6,805.67	6,656.48	149.19	45.617		
12,900.00	7,159.48	11,988.00	7,170.83	162.09	108.39	88.39	-1,159.55	-10,863.16	6,707.50	6,557.94	149.56	44.848		
13,000.00	7,160.29	11,988.00	7,170.83	164.86	108.39	88.39	-1,159.55	-10,863.16	6,609.39	6,459.44	149.96	44.076		
13,100.00	7,161.11	11,988.00	7,170.83	167.64	108.39	88.39	-1,159.55	-10,863.16	6,511.34	6,360.97	150.38	43.301		
13,209.97	7,162.00	11,988.00	7,170.83	170.69	108.39	88.39	-1,159.55	-10,863.16	6,403.59	6,252.72	150.87	42.445		
13,210.89	7,162.01	11,988.00	7,170.83	170.72	108.39	88.39	-1,159.55	-10,863.16	6,402.69	6,251.82	150.87	42.438 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 - Merritt 6-66-9-0857BH(PR) - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 726-MWD															Offset Well Error:		3.28 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	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)						
9,900.00	7,135.07	11,790.00	7,095.39	82.16	106.81	84.93	-1,164.15	-11,130.84	9,933.42	9,787.84	145.58	68.232					
10,000.00	7,135.88	11,790.00	7,095.39	84.62	106.81	84.93	-1,164.15	-11,130.84	9,834.27	9,688.68	145.59	67.548					
10,100.00	7,136.70	11,790.00	7,095.39	87.11	106.81	84.93	-1,164.15	-11,130.84	9,735.14	9,589.54	145.60	66.861					
10,200.00	7,137.51	11,790.00	7,095.39	89.62	106.81	84.93	-1,164.15	-11,130.84	9,636.03	9,490.41	145.62	66.172					
10,300.00	7,138.32	11,790.00	7,095.39	92.16	106.81	84.93	-1,164.15	-11,130.84	9,536.94	9,391.29	145.64	65.481					
10,400.00	7,139.14	11,790.00	7,095.39	94.71	106.81	84.93	-1,164.15	-11,130.84	9,437.86	9,292.19	145.68	64.787					
10,500.00	7,139.95	11,790.00	7,095.39	97.29	106.81	84.93	-1,164.15	-11,130.84	9,338.81	9,193.10	145.71	64.091					
10,600.00	7,140.76	11,790.00	7,095.39	99.88	106.81	84.93	-1,164.15	-11,130.84	9,239.77	9,094.02	145.76	63.392					
10,700.00	7,141.58	11,790.00	7,095.39	102.48	106.81	84.93	-1,164.15	-11,130.84	9,140.76	8,994.95	145.81	62.691					
10,800.00	7,142.39	11,790.00	7,095.39	105.10	106.81	84.93	-1,164.15	-11,130.84	9,041.77	8,895.90	145.87	61.987					
10,900.00	7,143.20	11,790.00	7,095.39	107.74	106.81	84.93	-1,164.15	-11,130.84	8,942.80	8,796.87	145.93	61.280					
11,000.00	7,144.02	11,790.00	7,095.39	110.38	106.81	84.93	-1,164.15	-11,130.84	8,843.86	8,697.85	146.01	60.571					
11,100.00	7,144.83	11,790.00	7,095.39	113.04	106.81	84.93	-1,164.15	-11,130.84	8,744.94	8,598.84	146.09	59.858					
11,200.00	7,145.65	11,790.00	7,095.39	115.71	106.81	84.93	-1,164.15	-11,130.84	8,646.04	8,499.85	146.19	59.144					
11,300.00	7,146.46	11,790.00	7,095.39	118.38	106.81	84.93	-1,164.15	-11,130.84	8,547.17	8,400.88	146.29	58.426					
11,400.00	7,147.27	11,790.00	7,095.39	121.07	106.81	84.93	-1,164.15	-11,130.84	8,448.32	8,301.92	146.40	57.705					
11,500.00	7,148.09	11,790.00	7,095.39	123.76	106.81	84.93	-1,164.15	-11,130.84	8,349.51	8,202.98	146.53	56.982					
11,600.00	7,148.90	11,790.00	7,095.39	126.46	106.81	84.93	-1,164.15	-11,130.84	8,250.72	8,104.05	146.66	56.256					
11,700.00	7,149.71	11,790.00	7,095.39	129.17	106.81	84.93	-1,164.15	-11,130.84	8,151.96	8,005.15	146.81	55.526					
11,800.00	7,150.53	11,790.00	7,095.39	131.89	106.81	84.93	-1,164.15	-11,130.84	8,053.23	7,906.26	146.97	54.794					
11,900.00	7,151.34	11,790.00	7,095.39	134.61	106.81	84.93	-1,164.15	-11,130.84	7,954.53	7,807.39	147.15	54.059					
12,000.00	7,152.16	11,790.00	7,095.39	137.34	106.81	84.93	-1,164.15	-11,130.84	7,855.87	7,708.54	147.33	53.321					
12,100.00	7,152.97	11,790.00	7,095.39	140.07	106.81	84.93	-1,164.15	-11,130.84	7,757.24	7,609.71	147.53	52.579					
12,200.00	7,153.78	11,790.00	7,095.39	142.81	106.81	84.93	-1,164.15	-11,130.84	7,658.65	7,510.90	147.75	51.835					
12,300.00	7,154.60	11,790.00	7,095.39	145.55	106.81	84.93	-1,164.15	-11,130.84	7,560.09	7,412.11	147.98	51.087					
12,400.00	7,155.41	11,790.00	7,095.39	148.30	106.81	84.93	-1,164.15	-11,130.84	7,461.57	7,313.34	148.23	50.337					
12,500.00	7,156.22	11,790.00	7,095.39	151.05	106.81	84.93	-1,164.15	-11,130.84	7,363.09	7,214.60	148.50	49.583					
12,600.00	7,157.04	11,790.00	7,095.39	153.80	106.81	84.93	-1,164.15	-11,130.84	7,264.66	7,115.87	148.78	48.827					
12,700.00	7,157.85	11,790.00	7,095.39	156.56	106.81	84.93	-1,164.15	-11,130.84	7,166.26	7,017.18	149.09	48.067					
12,800.00	7,158.66	11,790.00	7,095.39	159.33	106.81	84.93	-1,164.15	-11,130.84	7,067.92	6,918.50	149.41	47.305					
12,900.00	7,159.48	11,790.00	7,095.39	162.09	106.81	84.93	-1,164.15	-11,130.84	6,969.61	6,819.86	149.76	46.539					
13,000.00	7,160.29	11,790.00	7,095.39	164.86	106.81	84.93	-1,164.15	-11,130.84	6,871.36	6,721.24	150.13	45.771					
13,100.00	7,161.11	11,790.00	7,095.39	167.64	106.81	84.93	-1,164.15	-11,130.84	6,773.16	6,622.64	150.52	44.999					
13,209.97	7,162.00	11,790.00	7,095.39	170.69	106.81	84.93	-1,164.15	-11,130.84	6,665.23	6,514.25	150.98	44.148					
13,210.89	7,162.01	11,790.00	7,095.39	170.72	106.81	84.93	-1,164.15	-11,130.84	6,664.33	6,513.35	150.98	44.140	CC, ES, SF				

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-141.88	-2,327.85	-1,826.73	2,959.10					
100.00	100.00	79.00	79.00	3.28	3.56	-141.88	-2,327.85	-1,826.73	2,959.02	2,952.18	6.84	432.430		
200.00	200.00	179.00	179.00	3.34	5.57	-141.88	-2,327.85	-1,826.73	2,959.02	2,950.12	8.91	332.165		
300.00	299.98	278.98	278.98	3.44	8.64	66.49	-2,327.85	-1,826.73	2,958.33	2,946.25	12.08	244.887		
400.00	399.84	378.84	378.84	3.59	11.94	66.62	-2,327.85	-1,826.73	2,956.24	2,940.71	15.53	190.364		
500.00	499.45	478.45	478.45	3.79	15.31	66.84	-2,327.85	-1,826.73	2,952.79	2,933.69	19.10	154.581		
600.00	598.70	577.70	577.70	4.04	18.71	67.14	-2,327.85	-1,826.73	2,947.99	2,925.25	22.74	129.616		
700.00	697.47	676.47	676.47	4.32	22.11	67.53	-2,327.85	-1,826.73	2,941.90	2,915.47	26.43	111.307		
800.00	795.62	774.62	774.62	4.64	25.51	68.01	-2,327.85	-1,826.73	2,934.57	2,904.42	30.15	97.344		
900.00	893.06	872.06	872.06	5.01	28.88	68.56	-2,327.85	-1,826.73	2,926.05	2,892.17	33.88	86.363		
1,000.00	989.64	968.64	968.64	5.41	32.24	69.20	-2,327.85	-1,826.73	2,916.45	2,878.82	37.63	77.509		
1,100.00	1,085.27	1,064.27	1,064.27	5.85	35.56	69.92	-2,327.85	-1,826.73	2,905.83	2,864.45	41.38	70.223		
1,200.00	1,179.82	1,158.82	1,158.82	6.33	38.85	70.72	-2,327.85	-1,826.73	2,894.31	2,849.18	45.13	64.126		
1,300.00	1,273.17	1,252.17	1,252.17	6.84	42.10	71.58	-2,327.85	-1,826.73	2,882.00	2,833.11	48.89	58.951		
1,404.90	1,369.69	1,348.69	1,348.69	7.43	45.46	72.57	-2,327.85	-1,826.73	2,868.38	2,815.56	52.82	54.303		
1,500.00	1,456.50	1,435.50	1,435.50	8.00	48.48	73.25	-2,327.85	-1,826.73	2,855.99	2,799.59	56.40	50.642		
1,600.00	1,547.79	1,526.79	1,526.79	8.61	51.66	73.98	-2,327.85	-1,826.73	2,843.47	2,783.30	60.18	47.253		
1,700.00	1,639.07	1,618.07	1,618.07	9.23	54.84	74.71	-2,327.85	-1,826.73	2,831.49	2,767.51	63.97	44.261		
1,800.00	1,730.36	1,709.36	1,709.36	9.87	58.02	75.44	-2,327.85	-1,826.73	2,820.04	2,752.26	67.78	41.603		
1,900.00	1,821.64	1,800.64	1,800.64	10.52	61.20	76.18	-2,327.85	-1,826.73	2,809.14	2,737.53	71.61	39.228		
2,000.00	1,912.93	1,891.93	1,891.93	11.18	64.95	76.93	-2,327.85	-1,826.73	2,798.80	2,722.79	76.01	36.822		
2,100.00	2,004.21	1,983.21	1,983.21	11.84	67.57	77.68	-2,327.85	-1,826.73	2,789.01	2,709.72	79.29	35.174		
2,200.00	2,095.50	2,074.50	2,074.50	12.51	70.75	78.43	-2,327.85	-1,826.73	2,779.79	2,696.65	83.15	33.433		
2,300.00	2,186.78	2,165.78	2,165.78	13.19	73.93	79.19	-2,327.85	-1,826.73	2,771.15	2,684.14	87.01	31.850		
2,400.00	2,278.06	2,257.06	2,257.06	13.86	77.12	79.95	-2,327.85	-1,826.73	2,763.07	2,672.20	90.87	30.406		
2,500.00	2,369.35	2,348.35	2,348.35	14.55	80.30	80.71	-2,327.85	-1,826.73	2,755.58	2,660.84	94.75	29.084		
2,600.00	2,460.63	2,439.63	2,439.63	15.23	83.49	81.48	-2,327.85	-1,826.73	2,748.68	2,650.05	98.62	27.871		
2,700.00	2,551.92	2,530.92	2,530.92	15.92	86.67	82.25	-2,327.85	-1,826.73	2,742.36	2,639.86	102.50	26.754		
2,800.00	2,643.20	2,622.20	2,622.20	16.61	89.86	83.03	-2,327.85	-1,826.73	2,736.64	2,630.26	106.39	25.723		
2,900.00	2,734.49	2,713.49	2,713.49	17.30	93.04	83.81	-2,327.85	-1,826.73	2,731.52	2,621.25	110.27	24.770		
3,000.00	2,825.77	2,804.77	2,804.77	18.00	96.23	84.58	-2,327.85	-1,826.73	2,727.00	2,612.84	114.16	23.887		
3,100.00	2,917.06	2,896.06	2,896.06	18.69	99.69	85.37	-2,327.85	-1,826.73	2,723.09	2,604.76	118.33	23.013		
3,200.00	3,008.34	2,987.34	2,987.34	19.39	102.60	86.15	-2,327.85	-1,826.73	2,719.78	2,597.83	121.94	22.303		
3,300.00	3,099.63	3,078.63	3,078.63	20.09	105.78	86.93	-2,327.85	-1,826.73	2,717.08	2,591.24	125.84	21.592		
3,400.00	3,190.91	3,169.91	3,169.91	20.79	108.97	87.72	-2,327.85	-1,826.73	2,715.00	2,585.26	129.73	20.928		
3,500.00	3,282.20	3,261.20	3,261.20	21.49	112.15	88.51	-2,327.85	-1,826.73	2,713.52	2,579.90	133.62	20.307		
3,600.00	3,373.48	3,352.48	3,352.48	22.19	115.34	89.29	-2,327.85	-1,826.73	2,712.66	2,575.14	137.52	19.726		
3,689.92	3,455.57	3,434.57	3,434.57	22.82	118.20	90.00	-2,327.85	-1,826.73	2,712.41	2,571.40	141.02	19.235		
3,700.00	3,464.77	3,443.77	3,443.77	22.89	118.52	90.08	-2,327.85	-1,826.73	2,712.42	2,571.01	141.41	19.181		
3,800.00	3,556.05	3,535.05	3,535.05	23.60	121.71	90.87	-2,327.85	-1,826.73	2,712.79	2,567.48	145.30	18.670		
3,900.00	3,647.34	3,626.34	3,626.34	24.30	124.89	91.65	-2,327.85	-1,826.73	2,713.77	2,564.58	149.19	18.190		
4,000.00	3,738.62	3,717.62	3,717.62	25.00	128.08	92.44	-2,327.85	-1,826.73	2,715.37	2,562.28	153.08	17.738		
4,100.00	3,829.91	3,808.91	3,808.91	25.71	131.26	93.23	-2,327.85	-1,826.73	2,717.58	2,560.61	156.97	17.313		
4,200.00	3,921.19	3,900.19	3,900.19	26.42	134.45	94.01	-2,327.85	-1,826.73	2,720.40	2,559.54	160.85	16.912		
4,300.00	4,012.48	4,008.52	3,991.48	27.12	138.23	94.79	-2,327.85	-1,826.73	2,723.83	2,558.49	165.33	16.475		
4,400.00	4,103.76	4,082.76	4,082.76	27.83	140.82	95.57	-2,327.85	-1,826.73	2,727.86	2,559.24	168.62	16.178		
4,500.00	4,195.05	4,174.05	4,174.05	28.54	144.01	96.35	-2,327.85	-1,826.73	2,732.50	2,560.01	172.50	15.841		
4,600.00	4,286.33	4,265.33	4,265.33	29.24	147.19	97.13	-2,327.85	-1,826.73	2,737.75	2,561.38	176.37	15.523		
4,700.00	4,377.62	4,356.62	4,356.62	29.95	150.38	97.90	-2,327.85	-1,826.73	2,743.59	2,563.34	180.24	15.222		
4,800.00	4,468.90	4,447.90	4,447.90	30.66	153.57	98.67	-2,327.85	-1,826.73	2,750.02	2,565.91	184.11	14.937		
4,900.00	4,560.19	4,539.19	4,539.19	31.37	156.75	99.44	-2,327.85	-1,826.73	2,757.04	2,569.07	187.98	14.667		

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-14C-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-14C-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					
5,000.00	4,651.47	4,630.47	4,630.47	32.08	159.94	100.21	-2,327.85	-1,826.73	2,764.65	2,572.81	191.84	14.411					
5,100.00	4,742.76	4,721.76	4,721.76	32.79	163.12	100.97	-2,327.85	-1,826.73	2,772.84	2,577.15	195.70	14.169					
5,200.00	4,834.04	4,813.04	4,813.04	33.50	166.31	101.72	-2,327.85	-1,826.73	2,781.61	2,582.06	199.55	13.939					
5,300.00	4,925.33	4,904.33	4,904.33	34.21	169.50	102.48	-2,327.85	-1,826.73	2,790.94	2,587.54	203.40	13.722					
5,400.00	5,016.61	5,004.39	4,995.61	34.92	172.99	103.22	-2,327.85	-1,826.73	2,800.84	2,593.29	207.55	13.495					
5,500.00	5,107.90	5,086.90	5,086.90	35.63	175.87	103.97	-2,327.85	-1,826.73	2,811.30	2,600.21	211.08	13.318					
5,600.00	5,199.18	5,178.18	5,178.18	36.34	179.06	104.71	-2,327.85	-1,826.73	2,822.30	2,607.38	214.92	13.132					
5,700.00	5,290.46	5,269.46	5,269.46	37.05	182.24	105.44	-2,327.85	-1,826.73	2,833.86	2,615.10	218.75	12.955					
5,800.00	5,381.75	5,360.75	5,360.75	37.76	185.43	106.17	-2,327.85	-1,826.73	2,845.95	2,623.37	222.58	12.786					
5,900.00	5,473.03	5,452.03	5,452.03	38.47	188.61	106.89	-2,327.85	-1,826.73	2,858.58	2,632.17	226.40	12.626					
6,000.00	5,564.32	5,543.32	5,543.32	39.18	191.80	107.61	-2,327.85	-1,826.73	2,871.73	2,641.50	230.22	12.474					
6,100.00	5,655.60	5,634.60	5,634.60	39.90	194.99	108.32	-2,327.85	-1,826.73	2,885.39	2,651.36	234.04	12.329					
6,200.00	5,746.89	5,725.89	5,725.89	40.61	198.17	109.03	-2,327.85	-1,826.73	2,899.57	2,661.73	237.85	12.191					
6,300.00	5,838.17	5,817.17	5,817.17	41.32	201.36	109.73	-2,327.85	-1,826.73	2,914.25	2,672.60	241.65	12.060					
6,400.00	5,929.46	5,908.46	5,908.46	42.03	204.55	110.43	-2,327.85	-1,826.73	2,929.43	2,683.98	245.45	11.935					
6,500.00	6,020.74	6,000.26	5,999.74	42.74	207.75	111.11	-2,327.85	-1,826.73	2,945.10	2,695.83	249.27	11.815					
6,600.00	6,112.03	6,108.97	6,091.03	43.46	211.54	111.80	-2,327.85	-1,826.73	2,961.24	2,707.58	253.67	11.674					
6,700.00	6,203.31	6,182.31	6,182.31	44.17	214.10	112.47	-2,327.85	-1,826.73	2,977.86	2,721.03	256.83	11.595					
6,800.00	6,294.60	6,273.60	6,273.60	44.88	217.29	113.14	-2,327.85	-1,826.73	2,994.94	2,734.33	260.61	11.492					
6,900.00	6,385.88	6,364.88	6,364.88	45.59	220.48	113.80	-2,327.85	-1,826.73	3,012.48	2,748.09	264.39	11.394					
6,927.91	6,411.36	6,409.64	6,390.36	45.79	222.04	113.99	-2,327.85	-1,826.73	3,017.46	2,751.34	266.12	11.339					
6,950.00	6,431.59	6,410.59	6,410.59	45.95	222.07	110.02	-2,327.85	-1,826.73	3,021.04	2,754.76	266.28	11.345					
7,000.00	6,477.77	6,456.77	6,456.77	46.27	223.68	100.02	-2,327.85	-1,826.73	3,026.43	2,758.27	268.16	11.286					
7,050.00	6,524.26	6,503.26	6,503.26	46.56	225.31	89.08	-2,327.85	-1,826.73	3,028.02	2,757.99	270.03	11.214					
7,100.00	6,570.76	6,549.76	6,549.76	46.81	226.93	78.06	-2,327.85	-1,826.73	3,025.80	2,753.93	271.87	11.130					
7,150.00	6,617.00	6,604.00	6,596.00	47.02	228.82	67.86	-2,327.85	-1,826.73	3,019.78	2,745.83	273.94	11.023					
7,200.00	6,662.68	6,641.68	6,641.68	47.20	230.14	59.05	-2,327.85	-1,826.73	3,009.98	2,734.58	275.40	10.930					
7,250.00	6,707.53	6,686.53	6,686.53	47.34	231.71	51.78	-2,327.85	-1,826.73	2,996.47	2,719.40	277.07	10.815					
7,300.00	6,751.28	6,730.28	6,730.28	47.47	233.23	45.95	-2,327.85	-1,826.73	2,979.33	2,700.66	278.67	10.691					
7,350.00	6,793.64	6,772.64	6,772.64	47.57	234.71	41.33	-2,327.85	-1,826.73	2,958.65	2,678.46	280.19	10.560					
7,400.00	6,834.35	6,813.35	6,813.35	47.66	236.13	37.69	-2,327.85	-1,826.73	2,934.55	2,652.93	281.62	10.420					
7,450.00	6,873.18	6,852.18	6,852.18	47.75	237.49	34.84	-2,327.85	-1,826.73	2,907.18	2,624.20	282.97	10.274					
7,500.00	6,909.88	6,888.88	6,888.88	47.83	238.77	32.63	-2,327.85	-1,826.73	2,876.68	2,592.46	284.22	10.121					
7,550.00	6,944.21	6,923.21	6,923.21	47.91	239.97	30.95	-2,327.85	-1,826.73	2,843.24	2,557.86	285.38	9.963					
7,600.00	6,975.98	6,954.98	6,954.98	47.99	241.08	29.73	-2,327.85	-1,826.73	2,807.06	2,520.63	286.43	9.800					
7,650.00	7,004.98	6,983.98	6,983.98	48.09	242.09	28.92	-2,327.85	-1,826.73	2,768.34	2,480.96	287.38	9.633					
7,700.00	7,031.04	7,010.04	7,010.04	48.20	243.00	28.50	-2,327.85	-1,826.73	2,727.31	2,439.09	288.22	9.463					
7,750.00	7,053.99	7,032.99	7,032.99	48.32	243.80	28.51	-2,327.85	-1,826.73	2,684.22	2,395.27	288.95	9.290					
7,800.00	7,073.70	7,052.70	7,052.70	48.46	244.49	29.02	-2,327.85	-1,826.73	2,639.31	2,349.74	289.57	9.115					
7,850.00	7,090.03	7,069.03	7,069.03	48.62	245.06	30.23	-2,327.85	-1,826.73	2,592.86	2,302.79	290.07	8.939					
7,900.00	7,102.90	7,081.90	7,081.90	48.81	245.51	32.55	-2,327.85	-1,826.73	2,545.13	2,254.67	290.46	8.762					
7,950.00	7,112.22	7,108.78	7,091.22	49.02	246.44	37.16	-2,327.85	-1,826.73	2,496.42	2,205.07	291.35	8.568					
8,000.00	7,117.94	7,103.06	7,096.94	49.26	246.24	48.04	-2,327.85	-1,826.73	2,447.01	2,155.90	291.11	8.406					
8,047.82	7,120.00	7,101.00	7,099.00	49.51	246.17	82.34	-2,327.85	-1,826.73	2,399.37	2,108.36	291.01	8.245					
8,100.00	7,120.42	7,100.58	7,099.42	49.82	246.16	82.51	-2,327.85	-1,826.73	2,347.29	2,056.31	290.98	8.067					
8,200.00	7,121.24	7,100.24	7,100.24	50.53	246.15	82.82	-2,327.85	-1,826.73	2,247.49	1,956.57	290.92	7.725					
8,300.00	7,122.05	7,101.05	7,101.05	51.39	246.17	83.14	-2,327.85	-1,826.73	2,147.72	1,856.81	290.90	7.383					
8,400.00	7,122.86	7,101.86	7,101.86	52.42	246.20	83.46	-2,327.85	-1,826.73	2,047.96	1,757.07	290.89	7.040					
8,500.00	7,123.68	7,102.68	7,102.68	53.63	246.23	83.78	-2,327.85	-1,826.73	1,948.22	1,657.36	290.87	6.698					
8,600.00	7,124.49	7,103.49	7,103.49	55.01	246.26	84.09	-2,327.85	-1,826.73	1,848.52	1,557.68	290.84	6.356					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,700.00	7,125.30	7,104.30	7,104.30	56.54	246.29	84.41	-2,327.85	-1,826.73	1,748.85	1,458.03	290.82	6.014		
8,800.00	7,126.12	7,105.12	7,105.12	58.21	246.32	84.73	-2,327.85	-1,826.73	1,649.22	1,358.43	290.79	5.671		
8,900.00	7,126.93	7,105.93	7,105.93	60.01	246.34	85.05	-2,327.85	-1,826.73	1,549.63	1,258.87	290.76	5.330		
9,000.00	7,127.75	7,106.75	7,106.75	61.92	246.37	85.37	-2,327.85	-1,826.73	1,450.10	1,159.37	290.73	4.988		
9,100.00	7,128.56	7,107.56	7,107.56	63.92	246.40	85.69	-2,327.85	-1,826.73	1,350.65	1,059.94	290.70	4.646		
9,200.00	7,129.37	7,108.37	7,108.37	66.01	246.43	86.01	-2,327.85	-1,826.73	1,251.27	960.60	290.67	4.305		
9,300.00	7,130.19	7,109.19	7,109.19	68.16	246.46	86.33	-2,327.85	-1,826.73	1,152.01	861.36	290.65	3.964		
9,400.00	7,131.00	7,110.00	7,110.00	70.38	246.49	86.65	-2,327.85	-1,826.73	1,052.88	762.24	290.64	3.623		
9,500.00	7,131.81	7,110.81	7,110.81	72.65	246.52	86.97	-2,327.85	-1,826.73	953.93	663.29	290.65	3.282		
9,600.00	7,132.63	7,111.63	7,111.63	74.97	246.54	87.29	-2,327.85	-1,826.73	855.23	564.53	290.70	2.942		
9,700.00	7,133.44	7,112.44	7,112.44	77.33	246.57	87.61	-2,327.85	-1,826.73	756.87	466.04	290.83	2.602		
9,800.00	7,134.25	7,113.25	7,113.25	79.72	246.60	87.93	-2,327.85	-1,826.73	659.01	367.89	291.12	2.264		
9,900.00	7,135.07	7,114.07	7,114.07	82.16	246.63	88.25	-2,327.85	-1,826.73	561.89	270.19	291.70	1.926		
10,000.00	7,135.88	7,114.88	7,114.88	84.62	246.66	88.58	-2,327.85	-1,826.73	465.99	173.09	292.90	1.591		
10,100.00	7,136.70	7,115.70	7,115.70	87.11	246.69	88.90	-2,327.85	-1,826.73	372.25	76.79	295.46	1.260 Level 3		
10,200.00	7,137.51	7,116.51	7,116.51	89.62	246.71	89.22	-2,327.85	-1,826.73	282.84	-18.37	301.21	0.939 Level 1		
10,300.00	7,138.32	7,117.32	7,117.32	92.16	246.74	89.54	-2,327.85	-1,826.73	203.53	-110.58	314.11	0.648 Level 1		
10,400.00	7,139.14	7,118.14	7,118.14	94.71	246.77	89.86	-2,327.85	-1,826.73	151.15	-184.63	335.78	0.450 Level 1		
10,442.89	7,139.49	7,118.49	7,118.49	95.82	246.78	90.00	-2,327.85	-1,826.73	144.94	-197.22	342.16	0.424 Level 1, CC, ES, SF		
10,500.00	7,139.95	7,118.95	7,118.95	97.29	246.80	90.18	-2,327.85	-1,826.73	155.78	-185.52	341.30	0.456 Level 1		
10,600.00	7,140.76	7,119.76	7,119.76	99.88	246.83	90.51	-2,327.85	-1,826.73	213.75	-113.46	327.21	0.653 Level 1		
10,700.00	7,141.58	7,120.58	7,120.58	102.48	246.86	90.83	-2,327.85	-1,826.73	295.14	-20.87	316.01	0.934 Level 1		
10,800.00	7,142.39	7,121.39	7,121.39	105.10	246.88	91.15	-2,327.85	-1,826.73	385.39	75.96	309.43	1.245 Level 2		
10,900.00	7,143.20	7,122.20	7,122.20	107.74	246.91	91.47	-2,327.85	-1,826.73	479.52	174.05	305.47	1.570		
11,000.00	7,144.02	7,123.02	7,123.02	110.38	246.94	91.79	-2,327.85	-1,826.73	575.64	272.70	302.94	1.900		
11,100.00	7,144.83	7,123.83	7,123.83	113.04	246.97	92.11	-2,327.85	-1,826.73	672.88	371.65	301.23	2.234		
11,200.00	7,145.65	7,124.65	7,124.65	115.71	247.00	92.43	-2,327.85	-1,826.73	770.83	470.81	300.03	2.569		
11,300.00	7,146.46	7,125.46	7,125.46	118.38	247.03	92.75	-2,327.85	-1,826.73	869.25	570.11	299.14	2.906		
11,400.00	7,147.27	7,126.27	7,126.27	121.07	247.05	93.08	-2,327.85	-1,826.73	967.99	669.52	298.47	3.243		
11,500.00	7,148.09	7,127.09	7,127.09	123.76	247.08	93.40	-2,327.85	-1,826.73	1,066.97	769.01	297.96	3.581		
11,600.00	7,148.90	7,127.90	7,127.90	126.46	247.11	93.72	-2,327.85	-1,826.73	1,166.11	868.56	297.55	3.919		
11,700.00	7,149.71	7,128.71	7,128.71	129.17	247.14	94.04	-2,327.85	-1,826.73	1,265.40	968.17	297.23	4.257		
11,800.00	7,150.53	7,129.53	7,129.53	131.89	247.17	94.36	-2,327.85	-1,826.73	1,364.78	1,067.81	296.97	4.596		
11,900.00	7,151.34	7,130.34	7,130.34	134.61	247.20	94.68	-2,327.85	-1,826.73	1,464.25	1,167.50	296.76	4.934		
12,000.00	7,152.16	7,131.16	7,131.16	137.34	247.23	95.00	-2,327.85	-1,826.73	1,563.79	1,267.20	296.59	5.273		
12,100.00	7,152.97	7,131.97	7,131.97	140.07	247.25	95.31	-2,327.85	-1,826.73	1,663.38	1,366.94	296.45	5.611		
12,200.00	7,153.78	7,132.78	7,132.78	142.81	247.28	95.63	-2,327.85	-1,826.73	1,763.02	1,466.69	296.33	5.949		
12,300.00	7,154.60	7,133.60	7,133.60	145.55	247.31	95.95	-2,327.85	-1,826.73	1,862.70	1,566.46	296.24	6.288		
12,400.00	7,155.41	7,134.41	7,134.41	148.30	247.34	96.27	-2,327.85	-1,826.73	1,962.40	1,666.24	296.16	6.626		
12,500.00	7,156.22	7,135.22	7,135.22	151.05	247.37	96.59	-2,327.85	-1,826.73	2,062.14	1,766.04	296.11	6.964		
12,600.00	7,157.04	7,136.04	7,136.04	153.80	247.40	96.90	-2,327.85	-1,826.73	2,161.90	1,865.84	296.06	7.302		
12,700.00	7,157.85	7,136.85	7,136.85	156.56	247.42	97.22	-2,327.85	-1,826.73	2,261.68	1,965.66	296.02	7.640		
12,800.00	7,158.66	7,137.66	7,137.66	159.33	247.45	97.54	-2,327.85	-1,826.73	2,361.48	2,065.49	296.00	7.978		
12,900.00	7,159.48	7,138.48	7,138.48	162.09	247.48	97.85	-2,327.85	-1,826.73	2,461.30	2,165.32	295.98	8.316		
13,000.00	7,160.29	7,139.29	7,139.29	164.86	247.51	98.17	-2,327.85	-1,826.73	2,561.13	2,265.16	295.97	8.653		
13,100.00	7,161.11	7,140.11	7,140.11	167.64	247.54	98.48	-2,327.85	-1,826.73	2,660.97	2,365.00	295.97	8.991		
13,209.97	7,162.00	7,141.00	7,141.00	170.69	247.57	98.83	-2,327.85	-1,826.73	2,770.78	2,474.81	295.98	9.362		
13,210.89	7,162.01	7,141.01	7,141.01	170.72	247.57	98.83	-2,327.85	-1,826.73	2,771.70	2,475.72	295.98	9.365		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-85.86	500.78	-6,911.18	6,929.30					
100.00	100.00	117.00	117.00	3.28	4.03	-85.86	500.78	-6,911.18	6,929.30	6,921.99	7.31	947.501		
200.00	200.00	217.00	217.00	3.34	6.69	-85.86	500.78	-6,911.18	6,929.30	6,919.28	10.03	691.109		
300.00	299.98	316.98	316.98	3.44	9.88	122.46	500.78	-6,911.18	6,930.24	6,916.92	13.32	520.272		
400.00	399.84	416.84	416.84	3.59	13.22	122.45	500.78	-6,911.18	6,933.05	6,916.24	16.81	412.433		
500.00	499.45	516.45	516.45	3.79	16.61	122.43	500.78	-6,911.18	6,937.74	6,917.34	20.40	340.074		
600.00	598.70	615.70	615.70	4.04	20.02	122.40	500.78	-6,911.18	6,944.31	6,920.26	24.05	288.713		
700.00	697.47	714.47	714.47	4.32	23.43	122.37	500.78	-6,911.18	6,952.76	6,925.02	27.74	250.596		
800.00	795.62	812.62	812.62	4.64	26.82	122.32	500.78	-6,911.18	6,963.11	6,931.64	31.46	221.306		
900.00	893.06	910.06	910.06	5.01	30.20	122.27	500.78	-6,911.18	6,975.35	6,940.15	35.20	198.168		
1,000.00	989.64	1,006.64	1,006.64	5.41	33.56	122.20	500.78	-6,911.18	6,989.50	6,950.56	38.94	179.477		
1,100.00	1,085.27	1,102.27	1,102.27	5.85	36.88	122.12	500.78	-6,911.18	7,005.57	6,962.88	42.69	164.101		
1,200.00	1,179.82	1,203.18	1,196.82	6.33	40.39	122.03	500.78	-6,911.18	7,023.55	6,976.90	46.66	150.537		
1,300.00	1,273.17	1,309.83	1,290.17	6.84	44.10	121.92	500.78	-6,911.18	7,043.48	6,992.62	50.86	138.497		
1,404.90	1,369.69	1,386.69	1,386.69	7.43	46.78	121.79	500.78	-6,911.18	7,066.46	7,012.38	54.08	130.666		
1,500.00	1,456.50	1,473.50	1,473.50	8.00	49.80	122.04	500.78	-6,911.18	7,088.35	7,030.72	57.62	123.013		
1,600.00	1,547.79	1,564.79	1,564.79	8.61	52.98	122.30	500.78	-6,911.18	7,111.51	7,050.15	61.36	115.895		
1,700.00	1,639.07	1,656.07	1,656.07	9.23	56.16	122.56	500.78	-6,911.18	7,134.84	7,069.72	65.11	109.576		
1,800.00	1,730.36	1,747.36	1,747.36	9.87	59.35	122.82	500.78	-6,911.18	7,158.32	7,089.44	68.88	103.931		
1,900.00	1,821.64	1,838.64	1,838.64	10.52	62.53	123.08	500.78	-6,911.18	7,181.95	7,109.31	72.65	98.861		
2,000.00	1,912.93	1,929.93	1,929.93	11.18	65.71	123.33	500.78	-6,911.18	7,205.75	7,129.32	76.42	94.286		
2,100.00	2,004.21	2,021.21	2,021.21	11.84	68.89	123.59	500.78	-6,911.18	7,229.69	7,149.48	80.21	90.138		
2,200.00	2,095.50	2,112.50	2,112.50	12.51	72.08	123.84	500.78	-6,911.18	7,253.78	7,169.79	83.99	86.360		
2,300.00	2,186.78	2,203.78	2,203.78	13.19	75.26	124.09	500.78	-6,911.18	7,278.03	7,190.24	87.79	82.907		
2,400.00	2,278.06	2,304.94	2,295.06	13.86	78.79	124.34	500.78	-6,911.18	7,302.42	7,210.49	91.92	79.440		
2,500.00	2,369.35	2,386.35	2,386.35	14.55	81.63	124.59	500.78	-6,911.18	7,326.95	7,231.58	95.37	76.823		
2,600.00	2,460.63	2,477.63	2,477.63	15.23	84.81	124.83	500.78	-6,911.18	7,351.64	7,252.46	99.17	74.130		
2,700.00	2,551.92	2,568.92	2,568.92	15.92	88.00	125.08	500.78	-6,911.18	7,376.46	7,273.49	102.97	71.636		
2,800.00	2,643.20	2,660.20	2,660.20	16.61	91.18	125.32	500.78	-6,911.18	7,401.43	7,294.66	106.77	69.321		
2,900.00	2,734.49	2,751.49	2,751.49	17.30	94.37	125.57	500.78	-6,911.18	7,426.54	7,315.97	110.57	67.165		
3,000.00	2,825.77	2,842.77	2,842.77	18.00	97.55	125.81	500.78	-6,911.18	7,451.78	7,337.41	114.37	65.154		
3,100.00	2,917.06	2,934.06	2,934.06	18.69	100.74	126.05	500.78	-6,911.18	7,477.17	7,359.00	118.17	63.273		
3,200.00	3,008.34	3,025.34	3,025.34	19.39	103.92	126.29	500.78	-6,911.18	7,502.69	7,380.72	121.97	61.510		
3,300.00	3,099.63	3,116.63	3,116.63	20.09	107.11	126.52	500.78	-6,911.18	7,528.35	7,402.57	125.78	59.855		
3,400.00	3,190.91	3,207.91	3,207.91	20.79	110.29	126.76	500.78	-6,911.18	7,554.14	7,424.56	129.58	58.298		
3,500.00	3,282.20	3,300.80	3,299.20	21.49	113.53	126.99	500.78	-6,911.18	7,580.06	7,446.62	133.43	56.808		
3,600.00	3,373.48	3,409.52	3,390.48	22.19	117.33	127.22	500.78	-6,911.18	7,606.11	7,468.27	137.84	55.180		
3,700.00	3,464.77	3,481.77	3,481.77	22.89	119.85	127.45	500.78	-6,911.18	7,632.29	7,491.31	140.98	54.138		
3,800.00	3,556.05	3,573.05	3,573.05	23.60	123.03	127.68	500.78	-6,911.18	7,658.60	7,513.83	144.78	52.899		
3,900.00	3,647.34	3,664.34	3,664.34	24.30	126.22	127.91	500.78	-6,911.18	7,685.04	7,536.46	148.58	51.725		
4,000.00	3,738.62	3,755.62	3,755.62	25.00	129.41	128.14	500.78	-6,911.18	7,711.60	7,559.23	152.37	50.610		
4,100.00	3,829.91	3,846.91	3,846.91	25.71	132.59	128.36	500.78	-6,911.18	7,738.29	7,582.12	156.17	49.550		
4,200.00	3,921.19	3,938.19	3,938.19	26.42	135.78	128.59	500.78	-6,911.18	7,765.10	7,605.13	159.97	48.542		
4,300.00	4,012.48	4,029.48	4,029.48	27.12	138.96	128.81	500.78	-6,911.18	7,792.03	7,628.27	163.76	47.581		
4,400.00	4,103.76	4,120.76	4,120.76	27.83	142.15	129.03	500.78	-6,911.18	7,819.08	7,651.53	167.56	46.665		
4,500.00	4,195.05	4,212.05	4,212.05	28.54	145.33	129.25	500.78	-6,911.18	7,846.26	7,674.90	171.35	45.790		
4,600.00	4,286.33	4,303.33	4,303.33	29.24	148.52	129.47	500.78	-6,911.18	7,873.54	7,698.40	175.15	44.954		
4,700.00	4,377.62	4,405.38	4,394.62	29.95	152.08	129.69	500.78	-6,911.18	7,900.95	7,721.64	179.31	44.062		
4,800.00	4,468.90	4,485.90	4,485.90	30.66	154.89	129.90	500.78	-6,911.18	7,928.47	7,745.74	182.73	43.389		
4,900.00	4,560.19	4,577.19	4,577.19	31.37	158.08	130.12	500.78	-6,911.18	7,956.11	7,769.59	186.52	42.655		
5,000.00	4,651.47	4,668.47	4,668.47	32.08	161.26	130.33	500.78	-6,911.18	7,983.86	7,793.55	190.31	41.952		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,100.00	4,742.76	4,759.76	4,759.76	32.79	164.45	130.54	500.78	-6,911.18	8,011.72	7,817.62	194.10	41.277		
5,200.00	4,834.04	4,851.04	4,851.04	33.50	167.64	130.75	500.78	-6,911.18	8,039.69	7,841.80	197.89	40.628		
5,300.00	4,925.33	4,942.33	4,942.33	34.21	170.82	130.96	500.78	-6,911.18	8,067.77	7,866.10	201.67	40.004		
5,400.00	5,016.61	5,033.61	5,033.61	34.92	174.01	131.17	500.78	-6,911.18	8,095.96	7,890.50	205.46	39.404		
5,500.00	5,107.90	5,124.90	5,124.90	35.63	177.20	131.37	500.78	-6,911.18	8,124.26	7,915.02	209.24	38.827		
5,600.00	5,199.18	5,216.18	5,216.18	36.34	180.38	131.58	500.78	-6,911.18	8,152.66	7,939.64	213.03	38.270		
5,700.00	5,290.46	5,307.46	5,307.46	37.05	183.57	131.78	500.78	-6,911.18	8,181.17	7,964.36	216.81	37.734		
5,800.00	5,381.75	5,401.25	5,398.75	37.76	186.84	131.98	500.78	-6,911.18	8,209.78	7,989.10	220.68	37.202		
5,900.00	5,473.03	5,509.97	5,490.03	38.47	190.64	132.19	500.78	-6,911.18	8,238.50	8,013.43	225.07	36.604		
6,000.00	5,564.32	5,581.32	5,581.32	39.18	193.13	132.39	500.78	-6,911.18	8,267.32	8,039.16	228.15	36.236		
6,100.00	5,655.60	5,672.60	5,672.60	39.90	196.31	132.58	500.78	-6,911.18	8,296.24	8,064.30	231.93	35.770		
6,200.00	5,746.89	5,763.89	5,763.89	40.61	199.50	132.78	500.78	-6,911.18	8,325.26	8,089.54	235.71	35.320		
6,300.00	5,838.17	5,855.17	5,855.17	41.32	202.69	132.98	500.78	-6,911.18	8,354.37	8,114.88	239.49	34.884		
6,400.00	5,929.46	5,946.46	5,946.46	42.03	205.87	133.17	500.78	-6,911.18	8,383.59	8,140.32	243.26	34.463		
6,500.00	6,020.74	6,037.74	6,037.74	42.74	209.06	133.37	500.78	-6,911.18	8,412.90	8,165.86	247.04	34.055		
6,600.00	6,112.03	6,129.03	6,129.03	43.46	212.24	133.56	500.78	-6,911.18	8,442.31	8,191.49	250.81	33.660		
6,700.00	6,203.31	6,220.31	6,220.31	44.17	215.43	133.75	500.78	-6,911.18	8,471.81	8,217.22	254.59	33.277		
6,800.00	6,294.60	6,311.60	6,311.60	44.88	218.62	133.94	500.78	-6,911.18	8,501.40	8,243.04	258.36	32.905		
6,900.00	6,385.88	6,402.88	6,402.88	45.59	221.80	134.13	500.78	-6,911.18	8,531.09	8,268.96	262.13	32.545		
6,927.91	6,411.36	6,428.36	6,428.36	45.79	222.69	134.18	500.78	-6,911.18	8,539.39	8,276.21	263.18	32.446		
6,950.00	6,431.59	6,448.59	6,448.59	45.95	223.40	129.92	500.78	-6,911.18	8,545.62	8,281.60	264.02	32.368		
7,000.00	6,477.77	6,505.23	6,494.77	46.27	225.38	119.36	500.78	-6,911.18	8,557.12	8,290.85	266.28	32.136		
7,050.00	6,524.26	6,541.26	6,541.26	46.56	226.63	107.98	500.78	-6,911.18	8,564.97	8,297.18	267.80	31.983		
7,100.00	6,570.76	6,587.76	6,587.76	46.81	228.26	96.65	500.78	-6,911.18	8,569.14	8,299.48	269.66	31.777		
7,150.00	6,617.00	6,634.00	6,634.00	47.02	229.87	86.25	500.78	-6,911.18	8,569.60	8,298.12	271.49	31.566		
7,200.00	6,662.68	6,679.68	6,679.68	47.20	231.47	77.34	500.78	-6,911.18	8,566.36	8,293.11	273.25	31.349		
7,250.00	6,707.53	6,724.53	6,724.53	47.34	233.03	70.09	500.78	-6,911.18	8,559.45	8,284.49	274.96	31.130		
7,300.00	6,751.28	6,768.28	6,768.28	47.47	234.56	64.37	500.78	-6,911.18	8,548.91	8,272.32	276.59	30.909		
7,350.00	6,793.64	6,810.64	6,810.64	47.57	236.04	59.98	500.78	-6,911.18	8,534.81	8,256.68	278.13	30.686		
7,400.00	6,834.35	6,851.35	6,851.35	47.66	237.46	56.69	500.78	-6,911.18	8,517.25	8,237.66	279.59	30.464		
7,450.00	6,873.18	6,909.82	6,890.18	47.75	239.50	54.32	500.78	-6,911.18	8,496.34	8,214.71	281.64	30.168		
7,500.00	6,909.88	6,926.88	6,926.88	47.83	240.09	52.74	500.78	-6,911.18	8,472.22	8,190.01	282.21	30.021		
7,550.00	6,944.21	6,961.21	6,961.21	47.91	241.29	51.85	500.78	-6,911.18	8,445.03	8,161.65	283.38	29.801		
7,600.00	6,975.98	7,002.02	6,992.98	47.99	242.89	51.61	500.78	-6,911.18	8,414.94	8,130.01	284.92	29.534		
7,650.00	7,004.98	7,021.98	7,021.98	48.09	243.41	52.00	500.78	-6,911.18	8,382.14	8,096.75	285.39	29.371		
7,700.00	7,031.04	7,048.04	7,048.04	48.20	244.32	53.04	500.78	-6,911.18	8,346.82	8,060.59	286.23	29.161		
7,750.00	7,053.99	7,070.99	7,070.99	48.32	245.13	54.79	500.78	-6,911.18	8,309.21	8,022.25	286.96	28.956		
7,800.00	7,073.70	7,109.30	7,090.70	48.46	246.46	57.36	500.78	-6,911.18	8,269.54	7,981.30	288.24	28.690		
7,850.00	7,090.03	7,107.03	7,107.03	48.62	246.38	60.90	500.78	-6,911.18	8,228.04	7,939.93	288.10	28.559		
7,900.00	7,102.90	7,119.90	7,119.90	48.81	246.83	65.61	500.78	-6,911.18	8,184.96	7,896.45	288.51	28.370		
7,950.00	7,112.22	7,129.22	7,129.22	49.02	247.16	71.76	500.78	-6,911.18	8,140.56	7,851.76	288.81	28.187		
8,000.00	7,117.94	7,134.94	7,134.94	49.26	247.36	79.60	500.78	-6,911.18	8,095.12	7,806.13	288.99	28.012		
8,047.82	7,120.00	7,137.00	7,137.00	49.51	247.43	88.82	500.78	-6,911.18	8,050.92	7,761.85	289.06	27.852		
8,100.00	7,120.42	7,137.42	7,137.42	49.82	247.44	88.83	500.78	-6,911.18	8,002.42	7,713.33	289.09	27.681		
8,200.00	7,121.24	7,138.24	7,138.24	50.53	247.47	88.84	500.78	-6,911.18	7,909.60	7,620.43	289.17	27.352		
8,300.00	7,122.05	7,139.05	7,139.05	51.39	247.50	88.86	500.78	-6,911.18	7,816.96	7,527.67	289.29	27.021		
8,400.00	7,122.86	7,139.86	7,139.86	52.42	247.53	88.88	500.78	-6,911.18	7,724.50	7,435.06	289.44	26.688		
8,500.00	7,123.68	7,140.68	7,140.68	53.63	247.56	88.89	500.78	-6,911.18	7,632.23	7,342.59	289.64	26.351		
8,600.00	7,124.49	7,141.49	7,141.49	55.01	247.59	88.91	500.78	-6,911.18	7,540.16	7,250.28	289.87	26.012		
8,700.00	7,125.30	7,142.30	7,142.30	56.54	247.61	88.92	500.78	-6,911.18	7,448.29	7,158.14	290.15	25.670		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	7,143.12	7,143.12	58.21	247.64	88.94	500.78	-6,911.18	7,356.63	7,066.15	290.48	25.326		
8,900.00	7,126.93	7,143.93	7,143.93	60.01	247.67	88.95	500.78	-6,911.18	7,265.19	6,974.34	290.86	24.979		
9,000.00	7,127.75	7,144.75	7,144.75	61.92	247.70	88.97	500.78	-6,911.18	7,173.99	6,882.70	291.29	24.629		
9,100.00	7,128.56	7,145.56	7,145.56	63.92	247.73	88.99	500.78	-6,911.18	7,083.02	6,791.25	291.77	24.276		
9,200.00	7,129.37	7,146.37	7,146.37	66.01	247.76	89.00	500.78	-6,911.18	6,992.29	6,699.98	292.31	23.921		
9,300.00	7,130.19	7,147.19	7,147.19	68.16	247.78	89.02	500.78	-6,911.18	6,901.82	6,608.92	292.91	23.563		
9,400.00	7,131.00	7,148.00	7,148.00	70.38	247.81	89.03	500.78	-6,911.18	6,811.62	6,518.06	293.56	23.203		
9,500.00	7,131.81	7,148.81	7,148.81	72.65	247.84	89.05	500.78	-6,911.18	6,721.70	6,427.41	294.29	22.841		
9,600.00	7,132.63	7,149.63	7,149.63	74.97	247.87	89.07	500.78	-6,911.18	6,632.06	6,336.99	295.07	22.476		
9,700.00	7,133.44	7,150.44	7,150.44	77.33	247.90	89.08	500.78	-6,911.18	6,542.73	6,246.80	295.93	22.109		
9,800.00	7,134.25	7,151.25	7,151.25	79.72	247.93	89.10	500.78	-6,911.18	6,453.71	6,156.86	296.85	21.741		
9,900.00	7,135.07	7,152.07	7,152.07	82.16	247.96	89.11	500.78	-6,911.18	6,365.01	6,067.17	297.84	21.370		
10,000.00	7,135.88	7,152.88	7,152.88	84.62	247.98	89.13	500.78	-6,911.18	6,276.65	5,977.74	298.91	20.999		
10,100.00	7,136.70	7,153.70	7,153.70	87.11	248.01	89.14	500.78	-6,911.18	6,188.65	5,888.60	300.05	20.625		
10,200.00	7,137.51	7,154.51	7,154.51	89.62	248.04	89.16	500.78	-6,911.18	6,101.02	5,799.75	301.27	20.251		
10,300.00	7,138.32	7,155.32	7,155.32	92.16	248.07	89.18	500.78	-6,911.18	6,013.77	5,711.21	302.56	19.876		
10,400.00	7,139.14	7,156.14	7,156.14	94.71	248.10	89.19	500.78	-6,911.18	5,926.92	5,622.99	303.94	19.500		
10,500.00	7,139.95	7,156.95	7,156.95	97.29	248.13	89.21	500.78	-6,911.18	5,840.50	5,535.10	305.40	19.124		
10,600.00	7,140.76	7,157.76	7,157.76	99.88	248.15	89.22	500.78	-6,911.18	5,754.52	5,447.58	306.94	18.748		
10,700.00	7,141.58	7,158.58	7,158.58	102.48	248.18	89.24	500.78	-6,911.18	5,668.99	5,360.43	308.56	18.372		
10,800.00	7,142.39	7,159.39	7,159.39	105.10	248.21	89.25	500.78	-6,911.18	5,583.95	5,273.68	310.27	17.997		
10,900.00	7,143.20	7,160.20	7,160.20	107.74	248.24	89.27	500.78	-6,911.18	5,499.41	5,187.34	312.07	17.622		
11,000.00	7,144.02	7,161.02	7,161.02	110.38	248.27	89.29	500.78	-6,911.18	5,415.39	5,101.43	313.96	17.249		
11,100.00	7,144.83	7,161.83	7,161.83	113.04	248.30	89.30	500.78	-6,911.18	5,331.93	5,015.99	315.94	16.876		
11,200.00	7,145.65	7,162.65	7,162.65	115.71	248.32	89.32	500.78	-6,911.18	5,249.05	4,931.03	318.02	16.505		
11,300.00	7,146.46	7,163.46	7,163.46	118.38	248.35	89.33	500.78	-6,911.18	5,166.77	4,846.58	320.19	16.137		
11,400.00	7,147.27	7,164.27	7,164.27	121.07	248.38	89.35	500.78	-6,911.18	5,085.13	4,762.67	322.46	15.770		
11,500.00	7,148.09	7,165.09	7,165.09	123.76	248.41	89.36	500.78	-6,911.18	5,004.15	4,679.33	324.82	15.406		
11,600.00	7,148.90	7,165.90	7,165.90	126.46	248.44	89.38	500.78	-6,911.18	4,923.87	4,596.58	327.29	15.044		
11,700.00	7,149.71	7,166.71	7,166.71	129.17	248.47	89.40	500.78	-6,911.18	4,844.33	4,514.47	329.86	14.686		
11,800.00	7,150.53	7,167.53	7,167.53	131.89	248.50	89.41	500.78	-6,911.18	4,765.55	4,433.02	332.53	14.331		
11,900.00	7,151.34	7,168.34	7,168.34	134.61	248.52	89.43	500.78	-6,911.18	4,687.59	4,352.28	335.31	13.980		
12,000.00	7,152.16	7,169.16	7,169.16	137.34	248.55	89.44	500.78	-6,911.18	4,610.48	4,272.28	338.20	13.632		
12,100.00	7,152.97	7,169.97	7,169.97	140.07	248.58	89.46	500.78	-6,911.18	4,534.26	4,193.06	341.19	13.289		
12,200.00	7,153.78	7,170.78	7,170.78	142.81	248.61	89.47	500.78	-6,911.18	4,458.98	4,114.68	344.30	12.951		
12,300.00	7,154.60	7,171.60	7,171.60	145.55	248.64	89.49	500.78	-6,911.18	4,384.69	4,037.17	347.52	12.617		
12,400.00	7,155.41	7,172.41	7,172.41	148.30	248.67	89.51	500.78	-6,911.18	4,311.43	3,960.59	350.85	12.289		
12,500.00	7,156.22	7,173.22	7,173.22	151.05	248.69	89.52	500.78	-6,911.18	4,239.27	3,884.98	354.29	11.966		
12,600.00	7,157.04	7,174.04	7,174.04	153.80	248.72	89.54	500.78	-6,911.18	4,168.27	3,810.42	357.85	11.648		
12,700.00	7,157.85	7,174.85	7,174.85	156.56	248.75	89.55	500.78	-6,911.18	4,098.47	3,736.95	361.52	11.337		
12,800.00	7,158.66	7,175.66	7,175.66	159.33	248.78	89.57	500.78	-6,911.18	4,029.94	3,664.63	365.30	11.032		
12,900.00	7,159.48	7,176.48	7,176.48	162.09	248.81	89.58	500.78	-6,911.18	3,962.75	3,593.55	369.20	10.733		
13,000.00	7,160.29	7,177.29	7,177.29	164.86	248.84	89.60	500.78	-6,911.18	3,896.97	3,523.76	373.21	10.442		
13,100.00	7,161.11	7,178.11	7,178.11	167.64	248.86	89.62	500.78	-6,911.18	3,832.67	3,455.34	377.33	10.157		
13,209.97	7,162.00	7,179.00	7,179.00	170.69	248.90	89.63	500.78	-6,911.18	3,763.76	3,381.78	381.98	9.853		
13,210.89	7,162.01	7,179.01	7,179.01	170.72	248.90	89.63	500.78	-6,911.18	3,763.19	3,381.17	382.02	9.851 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	4.00	4.00	3.28	3.28	-99.34	-1,194.95	-7,268.76	7,366.32					
100.00	100.00	104.00	104.00	3.28	3.78	-99.34	-1,194.95	-7,268.76	7,366.32	7,359.26	7.07	1,042.232		
200.00	200.00	204.00	204.00	3.34	6.30	-99.34	-1,194.95	-7,268.76	7,366.32	7,356.69	9.63	764.558		
300.00	299.98	303.98	303.98	3.44	9.45	108.99	-1,194.95	-7,268.76	7,366.89	7,354.00	12.89	571.368		
400.00	399.84	403.84	403.84	3.59	12.78	108.99	-1,194.95	-7,268.76	7,368.60	7,352.23	16.37	450.117		
500.00	499.45	503.45	503.45	3.79	16.17	109.00	-1,194.95	-7,268.76	7,371.45	7,351.49	19.95	369.404		
600.00	598.70	602.70	602.70	4.04	19.57	109.02	-1,194.95	-7,268.76	7,375.44	7,351.84	23.60	312.464		
700.00	697.47	701.47	701.47	4.32	22.98	109.03	-1,194.95	-7,268.76	7,380.60	7,353.30	27.30	270.393		
800.00	795.62	800.38	799.62	4.64	26.40	109.05	-1,194.95	-7,268.76	7,386.93	7,355.89	31.04	237.963		
900.00	893.06	902.94	897.06	5.01	29.96	109.07	-1,194.95	-7,268.76	7,394.45	7,359.49	34.96	211.511		
1,000.00	989.64	1,006.36	993.64	5.41	33.55	109.09	-1,194.95	-7,268.76	7,403.17	7,364.22	38.95	190.075		
1,100.00	1,085.27	1,089.27	1,089.27	5.85	36.43	109.10	-1,194.95	-7,268.76	7,413.12	7,370.86	42.26	175.400		
1,200.00	1,179.82	1,183.82	1,183.82	6.33	39.72	109.12	-1,194.95	-7,268.76	7,424.33	7,378.30	46.02	161.319		
1,300.00	1,273.17	1,277.17	1,277.17	6.84	42.97	109.12	-1,194.95	-7,268.76	7,436.80	7,387.02	49.78	149.398		
1,404.90	1,369.69	1,373.69	1,373.69	7.43	46.33	109.12	-1,194.95	-7,268.76	7,451.29	7,397.57	53.71	138.726		
1,500.00	1,456.50	1,460.50	1,460.50	8.00	49.35	109.38	-1,194.95	-7,268.76	7,465.16	7,407.88	57.28	130.322		
1,600.00	1,547.79	1,551.79	1,551.79	8.61	52.53	109.66	-1,194.95	-7,268.76	7,479.94	7,418.89	61.05	122.515		
1,700.00	1,639.07	1,643.07	1,643.07	9.23	55.71	109.93	-1,194.95	-7,268.76	7,494.92	7,430.08	64.84	115.594		
1,800.00	1,730.36	1,734.36	1,734.36	9.87	58.89	110.20	-1,194.95	-7,268.76	7,510.09	7,441.45	68.63	109.421		
1,900.00	1,821.64	1,825.64	1,825.64	10.52	62.07	110.47	-1,194.95	-7,268.76	7,525.44	7,453.00	72.44	103.885		
2,000.00	1,912.93	1,916.93	1,916.93	11.18	65.26	110.74	-1,194.95	-7,268.76	7,540.99	7,464.74	76.25	98.894		
2,100.00	2,004.21	2,008.21	2,008.21	11.84	68.44	111.00	-1,194.95	-7,268.76	7,556.73	7,476.66	80.07	94.374		
2,200.00	2,095.50	2,100.50	2,099.50	12.51	71.66	111.27	-1,194.95	-7,268.76	7,572.65	7,488.72	83.93	90.225		
2,300.00	2,186.78	2,209.22	2,190.78	13.19	75.45	111.54	-1,194.95	-7,268.76	7,588.76	7,500.40	88.37	85.879		
2,400.00	2,278.06	2,282.06	2,282.06	13.86	77.99	111.80	-1,194.95	-7,268.76	7,605.06	7,513.50	91.55	83.067		
2,500.00	2,369.35	2,373.35	2,373.35	14.55	81.17	112.07	-1,194.95	-7,268.76	7,621.54	7,526.15	95.39	79.901		
2,600.00	2,460.63	2,464.63	2,464.63	15.23	84.36	112.33	-1,194.95	-7,268.76	7,638.20	7,538.97	99.22	76.981		
2,700.00	2,551.92	2,555.92	2,555.92	15.92	87.54	112.59	-1,194.95	-7,268.76	7,655.04	7,551.98	103.06	74.279		
2,800.00	2,643.20	2,647.20	2,647.20	16.61	90.73	112.85	-1,194.95	-7,268.76	7,672.06	7,565.17	106.90	71.771		
2,900.00	2,734.49	2,738.49	2,738.49	17.30	93.91	113.11	-1,194.95	-7,268.76	7,689.27	7,578.53	110.74	69.438		
3,000.00	2,825.77	2,829.77	2,829.77	18.00	97.10	113.37	-1,194.95	-7,268.76	7,706.65	7,592.07	114.57	67.263		
3,100.00	2,917.06	2,921.06	2,921.06	18.69	100.28	113.63	-1,194.95	-7,268.76	7,724.20	7,605.79	118.41	65.230		
3,200.00	3,008.34	3,012.34	3,012.34	19.39	103.47	113.88	-1,194.95	-7,268.76	7,741.94	7,619.68	122.26	63.326		
3,300.00	3,099.63	3,103.63	3,103.63	20.09	106.65	114.14	-1,194.95	-7,268.76	7,759.84	7,633.75	126.10	61.539		
3,400.00	3,190.91	3,205.09	3,194.91	20.79	110.19	114.39	-1,194.95	-7,268.76	7,777.92	7,647.63	130.29	59.697		
3,500.00	3,282.20	3,286.20	3,286.20	21.49	113.02	114.65	-1,194.95	-7,268.76	7,796.18	7,662.40	133.78	58.278		
3,600.00	3,373.48	3,377.48	3,377.48	22.19	116.21	114.90	-1,194.95	-7,268.76	7,814.60	7,676.98	137.62	56.786		
3,700.00	3,464.77	3,468.77	3,468.77	22.89	119.39	115.15	-1,194.95	-7,268.76	7,833.19	7,691.74	141.45	55.376		
3,800.00	3,556.05	3,560.05	3,560.05	23.60	122.58	115.40	-1,194.95	-7,268.76	7,851.95	7,706.66	145.29	54.042		
3,900.00	3,647.34	3,651.34	3,651.34	24.30	125.77	115.65	-1,194.95	-7,268.76	7,870.88	7,721.75	149.13	52.778		
4,000.00	3,738.62	3,742.62	3,742.62	25.00	128.95	115.90	-1,194.95	-7,268.76	7,889.97	7,737.00	152.97	51.579		
4,100.00	3,829.91	3,833.91	3,833.91	25.71	132.14	116.15	-1,194.95	-7,268.76	7,909.23	7,752.42	156.81	50.439		
4,200.00	3,921.19	3,925.19	3,925.19	26.42	135.32	116.40	-1,194.95	-7,268.76	7,928.65	7,768.01	160.64	49.356		
4,300.00	4,012.48	4,016.48	4,016.48	27.12	138.51	116.64	-1,194.95	-7,268.76	7,948.24	7,783.76	164.48	48.324		
4,400.00	4,103.76	4,107.76	4,107.76	27.83	141.69	116.89	-1,194.95	-7,268.76	7,967.98	7,799.67	168.31	47.340		
4,500.00	4,195.05	4,200.95	4,199.05	28.54	144.95	117.13	-1,194.95	-7,268.76	7,987.89	7,815.67	172.21	46.384		
4,600.00	4,286.33	4,309.67	4,290.33	29.24	148.74	117.37	-1,194.95	-7,268.76	8,007.95	7,831.29	176.65	45.331		
4,700.00	4,377.62	4,381.62	4,381.62	29.95	151.25	117.61	-1,194.95	-7,268.76	8,028.17	7,848.36	179.81	44.648		
4,800.00	4,468.90	4,472.90	4,472.90	30.66	154.44	117.85	-1,194.95	-7,268.76	8,048.55	7,864.91	183.64	43.827		
4,900.00	4,560.19	4,564.19	4,564.19	31.37	157.62	118.09	-1,194.95	-7,268.76	8,069.08	7,881.61	187.47	43.041		
5,000.00	4,651.47	4,655.47	4,655.47	32.08	160.81	118.33	-1,194.95	-7,268.76	8,089.77	7,898.47	191.30	42.288		

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-14C-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-14C-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			
5,100.00	4,742.76	4,746.76	4,746.76	32.79	164.00	118.57	-1,194.95	-7,268.76	8,110.61	7,915.48	195.13	41.565			
5,200.00	4,834.04	4,838.04	4,838.04	33.50	167.18	118.80	-1,194.95	-7,268.76	8,131.60	7,932.64	198.96	40.871			
5,300.00	4,925.33	4,929.33	4,929.33	34.21	170.37	119.04	-1,194.95	-7,268.76	8,152.74	7,949.96	202.78	40.205			
5,400.00	5,016.61	5,020.61	5,020.61	34.92	173.56	119.27	-1,194.95	-7,268.76	8,174.03	7,967.42	206.61	39.563			
5,500.00	5,107.90	5,111.90	5,111.90	35.63	176.74	119.50	-1,194.95	-7,268.76	8,195.47	7,985.04	210.43	38.946			
5,600.00	5,199.18	5,203.18	5,203.18	36.34	179.93	119.74	-1,194.95	-7,268.76	8,217.05	8,002.80	214.25	38.352			
5,700.00	5,290.46	5,305.54	5,294.46	37.05	183.50	119.97	-1,194.95	-7,268.76	8,238.79	8,020.33	218.46	37.713			
5,800.00	5,381.75	5,385.75	5,385.75	37.76	186.30	120.20	-1,194.95	-7,268.76	8,260.66	8,038.77	222.89	37.228			
5,900.00	5,473.03	5,477.03	5,477.03	38.47	189.49	120.42	-1,194.95	-7,268.76	8,282.68	8,056.97	225.71	36.696			
6,000.00	5,564.32	5,568.32	5,568.32	39.18	192.67	120.65	-1,194.95	-7,268.76	8,304.84	8,075.31	229.53	36.182			
6,100.00	5,655.60	5,659.60	5,659.60	39.90	195.86	120.88	-1,194.95	-7,268.76	8,327.15	8,093.80	233.35	35.686			
6,200.00	5,746.89	5,750.89	5,750.89	40.61	199.05	121.10	-1,194.95	-7,268.76	8,349.59	8,112.43	237.16	35.206			
6,300.00	5,838.17	5,842.17	5,842.17	41.32	202.23	121.33	-1,194.95	-7,268.76	8,372.17	8,131.19	240.98	34.742			
6,400.00	5,929.46	5,933.46	5,933.46	42.03	205.42	121.55	-1,194.95	-7,268.76	8,394.89	8,150.10	244.79	34.294			
6,500.00	6,020.74	6,024.74	6,024.74	42.74	208.60	121.77	-1,194.95	-7,268.76	8,417.75	8,169.15	248.60	33.860			
6,600.00	6,112.03	6,116.03	6,116.03	43.46	211.79	121.99	-1,194.95	-7,268.76	8,440.74	8,188.33	252.41	33.440			
6,700.00	6,203.31	6,207.31	6,207.31	44.17	214.98	122.21	-1,194.95	-7,268.76	8,463.87	8,207.64	256.22	33.033			
6,800.00	6,294.60	6,301.40	6,298.60	44.88	218.26	122.43	-1,194.95	-7,268.76	8,487.13	8,227.00	260.13	32.626			
6,900.00	6,385.88	6,389.88	6,389.88	45.59	221.35	122.65	-1,194.95	-7,268.76	8,510.52	8,246.68	263.84	32.256			
6,927.91	6,411.36	6,415.36	6,415.36	45.79	222.24	122.71	-1,194.95	-7,268.76	8,517.07	8,252.17	264.90	32.152			
6,950.00	6,431.59	6,435.59	6,435.59	45.95	222.95	118.59	-1,194.95	-7,268.76	8,521.90	8,256.15	265.74	32.068			
7,000.00	6,477.77	6,481.77	6,481.77	46.27	224.56	108.27	-1,194.95	-7,268.76	8,530.07	8,262.42	267.65	31.870			
7,050.00	6,524.26	6,528.26	6,528.26	46.56	226.18	97.07	-1,194.95	-7,268.76	8,534.41	8,264.87	269.55	31.662			
7,100.00	6,570.76	6,574.76	6,574.76	46.81	227.80	85.85	-1,194.95	-7,268.76	8,534.89	8,263.48	271.41	31.446			
7,150.00	6,617.00	6,621.00	6,621.00	47.02	229.42	75.49	-1,194.95	-7,268.76	8,531.52	8,258.28	273.24	31.224			
7,200.00	6,662.68	6,666.68	6,666.68	47.20	231.01	66.57	-1,194.95	-7,268.76	8,524.30	8,249.30	275.00	30.997			
7,250.00	6,707.53	6,711.53	6,711.53	47.34	232.58	59.24	-1,194.95	-7,268.76	8,513.30	8,236.60	276.70	30.767			
7,300.00	6,751.28	6,755.28	6,755.28	47.47	234.10	53.38	-1,194.95	-7,268.76	8,498.58	8,220.25	278.33	30.534			
7,350.00	6,793.64	6,802.36	6,797.64	47.57	235.75	48.79	-1,194.95	-7,268.76	8,480.22	8,200.18	280.04	30.282			
7,400.00	6,834.35	6,838.35	6,838.35	47.66	237.00	45.23	-1,194.95	-7,268.76	8,458.35	8,177.02	281.33	30.065			
7,450.00	6,873.18	6,877.18	6,877.18	47.75	238.36	42.52	-1,194.95	-7,268.76	8,433.10	8,150.40	282.70	29.831			
7,500.00	6,909.88	6,913.88	6,913.88	47.83	239.64	40.52	-1,194.95	-7,268.76	8,404.61	8,120.64	283.97	29.597			
7,550.00	6,944.21	6,948.21	6,948.21	47.91	240.84	39.13	-1,194.95	-7,268.76	8,373.07	8,087.93	285.14	29.365			
7,600.00	6,975.98	6,979.98	6,979.98	47.99	241.95	38.29	-1,194.95	-7,268.76	8,338.66	8,052.45	286.21	29.135			
7,650.00	7,004.98	7,008.98	7,008.98	48.09	242.96	37.98	-1,194.95	-7,268.76	8,301.59	8,014.42	287.17	28.909			
7,700.00	7,031.04	7,035.04	7,035.04	48.20	243.87	38.24	-1,194.95	-7,268.76	8,262.09	7,974.07	288.02	28.686			
7,750.00	7,053.99	7,057.99	7,057.99	48.32	244.67	39.13	-1,194.95	-7,268.76	8,220.40	7,931.64	288.76	28.468			
7,800.00	7,073.70	7,077.70	7,077.70	48.46	245.36	40.82	-1,194.95	-7,268.76	8,176.76	7,887.38	289.38	28.256			
7,850.00	7,090.03	7,105.97	7,094.03	48.62	246.35	43.61	-1,194.95	-7,268.76	8,131.45	7,841.14	290.31	28.009			
7,900.00	7,102.90	7,106.90	7,106.90	48.81	246.38	48.07	-1,194.95	-7,268.76	8,084.73	7,794.44	290.29	27.850			
7,950.00	7,112.22	7,116.22	7,116.22	49.02	246.70	55.30	-1,194.95	-7,268.76	8,036.89	7,746.32	290.57	27.659			
8,000.00	7,117.94	7,121.94	7,121.94	49.26	246.90	67.51	-1,194.95	-7,268.76	7,988.22	7,697.49	290.73	27.476			
8,047.82	7,120.00	7,124.00	7,124.00	49.51	246.98	87.11	-1,194.95	-7,268.76	7,941.17	7,650.39	290.78	27.310			
8,100.00	7,120.42	7,124.42	7,124.42	49.82	246.99	87.13	-1,194.95	-7,268.76	7,889.66	7,598.88	290.78	27.133			
8,200.00	7,121.24	7,125.24	7,125.24	50.53	247.02	87.16	-1,194.95	-7,268.76	7,790.97	7,500.20	290.77	26.794			
8,300.00	7,122.05	7,126.05	7,126.05	51.39	247.05	87.20	-1,194.95	-7,268.76	7,692.31	7,401.54	290.77	26.455			
8,400.00	7,122.86	7,126.86	7,126.86	52.42	247.08	87.24	-1,194.95	-7,268.76	7,593.69	7,302.91	290.78	26.115			
8,500.00	7,123.68	7,127.68	7,127.68	53.63	247.10	87.27	-1,194.95	-7,268.76	7,495.11	7,204.31	290.79	25.775			
8,600.00	7,124.49	7,128.49	7,128.49	55.01	247.13	87.31	-1,194.95	-7,268.76	7,396.56	7,105.75	290.81	25.434			
8,700.00	7,125.30	7,129.30	7,129.30	56.54	247.16	87.35	-1,194.95	-7,268.76	7,298.05	7,007.21	290.84	25.093			

CC - Min centre 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-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
8,800.00	7,126.12	7,130.12	7,130.12	58.21	247.19	87.39	-1,194.95	-7,268.76	7,199.58	6,908.70	290.88	24.751		
8,900.00	7,126.93	7,130.93	7,130.93	60.01	247.22	87.42	-1,194.95	-7,268.76	7,101.16	6,810.23	290.92	24.409		
9,000.00	7,127.75	7,131.75	7,131.75	61.92	247.25	87.46	-1,194.95	-7,268.76	7,002.78	6,711.80	290.98	24.066		
9,100.00	7,128.56	7,132.56	7,132.56	63.92	247.27	87.50	-1,194.95	-7,268.76	6,904.44	6,613.40	291.05	23.723		
9,200.00	7,129.37	7,133.37	7,133.37	66.01	247.30	87.53	-1,194.95	-7,268.76	6,806.16	6,515.03	291.13	23.379		
9,300.00	7,130.19	7,134.19	7,134.19	68.16	247.33	87.57	-1,194.95	-7,268.76	6,707.92	6,416.71	291.22	23.034		
9,400.00	7,131.00	7,135.00	7,135.00	70.38	247.36	87.61	-1,194.95	-7,268.76	6,609.74	6,318.42	291.32	22.689		
9,500.00	7,131.81	7,135.81	7,135.81	72.65	247.39	87.64	-1,194.95	-7,268.76	6,511.62	6,220.17	291.44	22.343		
9,600.00	7,132.63	7,136.63	7,136.63	74.97	247.42	87.68	-1,194.95	-7,268.76	6,413.55	6,121.97	291.58	21.996		
9,700.00	7,133.44	7,137.44	7,137.44	77.33	247.44	87.72	-1,194.95	-7,268.76	6,315.54	6,023.81	291.73	21.649		
9,800.00	7,134.25	7,138.25	7,138.25	79.72	247.47	87.75	-1,194.95	-7,268.76	6,217.59	5,925.70	291.90	21.301		
9,900.00	7,135.07	7,139.07	7,139.07	82.16	247.50	87.79	-1,194.95	-7,268.76	6,119.72	5,827.63	292.08	20.952		
10,000.00	7,135.88	7,139.88	7,139.88	84.62	247.53	87.83	-1,194.95	-7,268.76	6,021.91	5,729.62	292.29	20.602		
10,100.00	7,136.70	7,140.70	7,140.70	87.11	247.56	87.86	-1,194.95	-7,268.76	5,924.17	5,631.65	292.52	20.252		
10,200.00	7,137.51	7,141.51	7,141.51	89.62	247.59	87.90	-1,194.95	-7,268.76	5,826.51	5,533.74	292.77	19.901		
10,300.00	7,138.32	7,142.32	7,142.32	92.16	247.62	87.94	-1,194.95	-7,268.76	5,728.93	5,435.88	293.05	19.549		
10,400.00	7,139.14	7,143.14	7,143.14	94.71	247.64	87.97	-1,194.95	-7,268.76	5,631.44	5,338.08	293.36	19.196		
10,500.00	7,139.95	7,143.95	7,143.95	97.29	247.67	88.01	-1,194.95	-7,268.76	5,534.04	5,240.34	293.69	18.843		
10,600.00	7,140.76	7,144.76	7,144.76	99.88	247.70	88.05	-1,194.95	-7,268.76	5,436.72	5,142.66	294.06	18.488		
10,700.00	7,141.58	7,145.58	7,145.58	102.48	247.73	88.09	-1,194.95	-7,268.76	5,339.51	5,045.05	294.46	18.133		
10,800.00	7,142.39	7,146.39	7,146.39	105.10	247.76	88.12	-1,194.95	-7,268.76	5,242.41	4,947.51	294.90	17.777		
10,900.00	7,143.20	7,147.20	7,147.20	107.74	247.79	88.16	-1,194.95	-7,268.76	5,145.41	4,850.04	295.37	17.420		
11,000.00	7,144.02	7,148.02	7,148.02	110.38	247.81	88.20	-1,194.95	-7,268.76	5,048.53	4,752.64	295.89	17.062		
11,100.00	7,144.83	7,148.83	7,148.83	113.04	247.84	88.23	-1,194.95	-7,268.76	4,951.78	4,655.33	296.45	16.704		
11,200.00	7,145.65	7,149.65	7,149.65	115.71	247.87	88.27	-1,194.95	-7,268.76	4,855.16	4,558.10	297.06	16.344		
11,300.00	7,146.46	7,150.46	7,150.46	118.38	247.90	88.31	-1,194.95	-7,268.76	4,758.67	4,460.95	297.72	15.984		
11,400.00	7,147.27	7,151.27	7,151.27	121.07	247.93	88.34	-1,194.95	-7,268.76	4,662.34	4,363.90	298.43	15.623		
11,500.00	7,148.09	7,152.09	7,152.09	123.76	247.96	88.38	-1,194.95	-7,268.76	4,566.16	4,266.95	299.21	15.261		
11,600.00	7,148.90	7,152.90	7,152.90	126.46	247.98	88.42	-1,194.95	-7,268.76	4,470.15	4,170.11	300.04	14.898		
11,700.00	7,149.71	7,153.71	7,153.71	129.17	248.01	88.45	-1,194.95	-7,268.76	4,374.32	4,073.37	300.94	14.535		
11,800.00	7,150.53	7,154.53	7,154.53	131.89	248.04	88.49	-1,194.95	-7,268.76	4,278.68	3,976.76	301.92	14.172		
11,900.00	7,151.34	7,155.34	7,155.34	134.61	248.07	88.53	-1,194.95	-7,268.76	4,183.24	3,880.27	302.97	13.807		
12,000.00	7,152.16	7,156.16	7,156.16	137.34	248.10	88.57	-1,194.95	-7,268.76	4,088.02	3,783.92	304.10	13.443		
12,100.00	7,152.97	7,156.97	7,156.97	140.07	248.13	88.60	-1,194.95	-7,268.76	3,993.03	3,687.71	305.33	13.078		
12,200.00	7,153.78	7,157.78	7,157.78	142.81	248.15	88.64	-1,194.95	-7,268.76	3,898.30	3,591.65	306.64	12.713		
12,300.00	7,154.60	7,158.60	7,158.60	145.55	248.18	88.68	-1,194.95	-7,268.76	3,803.83	3,495.77	308.06	12.348		
12,400.00	7,155.41	7,159.41	7,159.41	148.30	248.21	88.71	-1,194.95	-7,268.76	3,709.66	3,400.07	309.59	11.983		
12,500.00	7,156.22	7,160.22	7,160.22	151.05	248.24	88.75	-1,194.95	-7,268.76	3,615.79	3,304.56	311.23	11.618		
12,600.00	7,157.04	7,161.04	7,161.04	153.80	248.27	88.79	-1,194.95	-7,268.76	3,522.27	3,209.27	313.00	11.253		
12,700.00	7,157.85	7,161.85	7,161.85	156.56	248.30	88.82	-1,194.95	-7,268.76	3,429.10	3,114.21	314.90	10.890		
12,800.00	7,158.66	7,162.66	7,162.66	159.33	248.33	88.86	-1,194.95	-7,268.76	3,336.34	3,019.40	316.94	10.527		
12,900.00	7,159.48	7,163.48	7,163.48	162.09	248.35	88.90	-1,194.95	-7,268.76	3,244.00	2,924.86	319.14	10.165		
13,000.00	7,160.29	7,164.29	7,164.29	164.86	248.38	88.93	-1,194.95	-7,268.76	3,152.14	2,830.63	321.51	9.804		
13,100.00	7,161.11	7,165.11	7,165.11	167.64	248.41	88.97	-1,194.95	-7,268.76	3,060.78	2,736.73	324.05	9.445		
13,209.97	7,162.00	7,166.00	7,166.00	170.69	248.44	89.01	-1,194.95	-7,268.76	2,960.96	2,633.89	327.06	9.053		
13,210.89	7,162.01	7,166.01	7,166.01	170.72	248.44	89.01	-1,194.95	-7,268.76	2,960.13	2,633.04	327.09	9.050 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-86.06	383.51	-5,574.97	5,588.15					
100.00	100.00	110.00	110.00	3.28	3.89	-86.06	383.51	-5,574.97	5,588.15	5,580.97	7.18	778.678		
200.00	200.00	210.00	210.00	3.34	6.48	-86.06	383.51	-5,574.97	5,588.15	5,578.33	9.81	569.378		
300.00	299.98	309.98	309.98	3.44	9.65	122.25	383.51	-5,574.97	5,589.08	5,575.99	13.09	426.965		
400.00	399.84	409.84	409.84	3.59	12.98	122.25	383.51	-5,574.97	5,591.87	5,575.30	16.57	337.397		
500.00	499.45	509.45	509.45	3.79	16.37	122.25	383.51	-5,574.97	5,596.54	5,576.38	20.16	277.590		
600.00	598.70	608.70	608.70	4.04	19.78	122.24	383.51	-5,574.97	5,603.08	5,579.26	23.81	235.309		
700.00	697.47	707.47	707.47	4.32	23.19	122.23	383.51	-5,574.97	5,611.49	5,583.99	27.50	204.032		
800.00	795.62	805.62	805.62	4.64	26.58	122.22	383.51	-5,574.97	5,621.81	5,590.58	31.22	180.063		
900.00	893.06	903.06	903.06	5.01	29.96	122.20	383.51	-5,574.97	5,634.02	5,599.06	34.96	161.173		
1,000.00	989.64	1,000.36	999.64	5.41	33.34	122.18	383.51	-5,574.97	5,648.15	5,609.43	38.73	145.852		
1,100.00	1,085.27	1,104.73	1,095.27	5.85	36.97	122.15	383.51	-5,574.97	5,664.22	5,621.44	42.78	132.415		
1,200.00	1,179.82	1,189.82	1,189.82	6.33	39.93	122.10	383.51	-5,574.97	5,682.23	5,636.04	46.19	123.015		
1,300.00	1,273.17	1,283.17	1,283.17	6.84	43.17	122.05	383.51	-5,574.97	5,702.21	5,652.28	49.93	114.209		
1,404.90	1,369.69	1,379.69	1,379.69	7.43	46.54	121.98	383.51	-5,574.97	5,725.29	5,671.45	53.83	106.349		
1,500.00	1,456.50	1,466.50	1,466.50	8.00	49.56	122.29	383.51	-5,574.97	5,747.30	5,689.92	57.38	100.169		
1,600.00	1,547.79	1,557.79	1,557.79	8.61	52.74	122.61	383.51	-5,574.97	5,770.63	5,709.52	61.11	94.425		
1,700.00	1,639.07	1,649.07	1,649.07	9.23	55.92	122.93	383.51	-5,574.97	5,794.16	5,729.30	64.86	89.329		
1,800.00	1,730.36	1,740.36	1,740.36	9.87	59.10	123.24	383.51	-5,574.97	5,817.88	5,749.26	68.62	84.780		
1,900.00	1,821.64	1,831.64	1,831.64	10.52	62.28	123.56	383.51	-5,574.97	5,841.79	5,769.40	72.39	80.697		
2,000.00	1,912.93	1,922.93	1,922.93	11.18	65.47	123.87	383.51	-5,574.97	5,865.88	5,789.72	76.17	77.014		
2,100.00	2,004.21	2,014.21	2,014.21	11.84	68.65	124.18	383.51	-5,574.97	5,890.16	5,810.22	79.95	73.677		
2,200.00	2,095.50	2,105.50	2,105.50	12.51	71.83	124.49	383.51	-5,574.97	5,914.63	5,830.90	83.73	70.640		
2,300.00	2,186.78	2,203.22	2,196.78	13.19	75.24	124.80	383.51	-5,574.97	5,939.27	5,851.53	87.74	67.691		
2,400.00	2,278.06	2,288.06	2,288.06	13.86	78.20	125.10	383.51	-5,574.97	5,964.09	5,872.78	91.31	65.320		
2,500.00	2,369.35	2,379.35	2,379.35	14.55	81.38	125.40	383.51	-5,574.97	5,989.08	5,893.99	95.10	62.979		
2,600.00	2,460.63	2,470.63	2,470.63	15.23	84.57	125.70	383.51	-5,574.97	6,014.25	5,915.36	98.89	60.818		
2,700.00	2,551.92	2,561.92	2,561.92	15.92	87.75	126.00	383.51	-5,574.97	6,039.59	5,936.91	102.68	58.818		
2,800.00	2,643.20	2,653.20	2,653.20	16.61	90.94	126.29	383.51	-5,574.97	6,065.10	5,958.62	106.48	56.962		
2,900.00	2,734.49	2,744.49	2,744.49	17.30	94.12	126.58	383.51	-5,574.97	6,090.77	5,980.50	110.27	55.235		
3,000.00	2,825.77	2,835.77	2,835.77	18.00	97.31	126.87	383.51	-5,574.97	6,116.61	6,002.55	114.06	53.624		
3,100.00	2,917.06	2,927.06	2,927.06	18.69	100.49	127.16	383.51	-5,574.97	6,142.62	6,024.76	117.86	52.118		
3,200.00	3,008.34	3,018.34	3,018.34	19.39	103.68	127.45	383.51	-5,574.97	6,168.78	6,047.13	121.65	50.708		
3,300.00	3,099.63	3,109.63	3,109.63	20.09	106.86	127.73	383.51	-5,574.97	6,195.10	6,069.66	125.45	49.384		
3,400.00	3,190.91	3,200.91	3,200.91	20.79	110.05	128.01	383.51	-5,574.97	6,221.58	6,092.34	129.24	48.139		
3,500.00	3,282.20	3,307.80	3,292.20	21.49	113.78	128.29	383.51	-5,574.97	6,248.21	6,114.64	133.58	46.776		
3,600.00	3,373.48	3,383.48	3,383.48	22.19	116.42	128.57	383.51	-5,574.97	6,275.00	6,138.17	136.83	45.861		
3,700.00	3,464.77	3,474.77	3,474.77	22.89	119.60	128.85	383.51	-5,574.97	6,301.94	6,161.32	140.62	44.816		
3,800.00	3,556.05	3,566.05	3,566.05	23.60	122.79	129.12	383.51	-5,574.97	6,329.02	6,184.61	144.41	43.827		
3,900.00	3,647.34	3,657.34	3,657.34	24.30	125.98	129.39	383.51	-5,574.97	6,356.26	6,208.06	148.20	42.890		
4,000.00	3,738.62	3,748.62	3,748.62	25.00	129.16	129.66	383.51	-5,574.97	6,383.63	6,231.65	151.99	42.001		
4,100.00	3,829.91	3,839.91	3,839.91	25.71	132.35	129.92	383.51	-5,574.97	6,411.15	6,255.38	155.77	41.156		
4,200.00	3,921.19	3,931.19	3,931.19	26.42	135.53	130.19	383.51	-5,574.97	6,438.81	6,279.25	159.56	40.353		
4,300.00	4,012.48	4,022.48	4,022.48	27.12	138.72	130.45	383.51	-5,574.97	6,466.62	6,303.27	163.35	39.588		
4,400.00	4,103.76	4,113.76	4,113.76	27.83	141.90	130.71	383.51	-5,574.97	6,494.55	6,327.42	167.13	38.859		
4,500.00	4,195.05	4,205.05	4,205.05	28.54	145.09	130.97	383.51	-5,574.97	6,522.63	6,351.71	170.92	38.163		
4,600.00	4,286.33	4,303.67	4,296.33	29.24	148.53	131.23	383.51	-5,574.97	6,550.84	6,375.88	174.96	37.443		
4,700.00	4,377.62	4,387.62	4,387.62	29.95	151.46	131.48	383.51	-5,574.97	6,579.18	6,400.70	178.48	36.862		
4,800.00	4,468.90	4,478.90	4,478.90	30.66	154.65	131.74	383.51	-5,574.97	6,607.65	6,425.39	182.26	36.254		
4,900.00	4,560.19	4,570.19	4,570.19	31.37	157.83	131.99	383.51	-5,574.97	6,636.25	6,450.21	186.04	35.671		
5,000.00	4,651.47	4,661.47	4,661.47	32.08	161.02	132.23	383.51	-5,574.97	6,664.98	6,475.16	189.82	35.112		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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			
5,100.00	4,742.76	4,752.76	4,752.76	32.79	164.21	132.48	383.51	-5,574.97	6,693.84	6,500.24	193.60	34.576			
5,200.00	4,834.04	4,844.04	4,844.04	33.50	167.39	132.73	383.51	-5,574.97	6,722.81	6,525.44	197.37	34.062			
5,300.00	4,925.33	4,935.33	4,935.33	34.21	170.58	132.97	383.51	-5,574.97	6,751.92	6,550.77	201.15	33.567			
5,400.00	5,016.61	5,026.61	5,026.61	34.92	173.76	133.21	383.51	-5,574.97	6,781.14	6,576.22	204.92	33.091			
5,500.00	5,107.90	5,117.90	5,117.90	35.63	176.95	133.45	383.51	-5,574.97	6,810.48	6,601.78	208.69	32.634			
5,600.00	5,199.18	5,209.18	5,209.18	36.34	180.14	133.69	383.51	-5,574.97	6,839.94	6,627.47	212.47	32.193			
5,700.00	5,290.46	5,300.46	5,300.46	37.05	183.32	133.92	383.51	-5,574.97	6,869.51	6,653.28	216.24	31.769			
5,800.00	5,381.75	5,408.25	5,391.75	37.76	187.09	134.16	383.51	-5,574.97	6,899.20	6,678.62	220.58	31.277			
5,900.00	5,473.03	5,483.03	5,483.03	38.47	189.70	134.39	383.51	-5,574.97	6,929.01	6,705.23	223.77	30.964			
6,000.00	5,564.32	5,574.32	5,574.32	39.18	192.88	134.62	383.51	-5,574.97	6,958.92	6,731.38	227.54	30.583			
6,100.00	5,655.60	5,665.60	5,665.60	39.90	196.07	134.84	383.51	-5,574.97	6,988.95	6,757.64	231.31	30.215			
6,200.00	5,746.89	5,756.89	5,756.89	40.61	199.25	135.07	383.51	-5,574.97	7,019.08	6,784.01	235.07	29.859			
6,300.00	5,838.17	5,848.17	5,848.17	41.32	202.44	135.30	383.51	-5,574.97	7,049.33	6,810.49	238.84	29.515			
6,400.00	5,929.46	5,939.46	5,939.46	42.03	205.63	135.52	383.51	-5,574.97	7,079.68	6,837.07	242.60	29.182			
6,500.00	6,020.74	6,030.74	6,030.74	42.74	208.81	135.74	383.51	-5,574.97	7,110.13	6,863.77	246.36	28.860			
6,600.00	6,112.03	6,122.03	6,122.03	43.46	212.00	135.96	383.51	-5,574.97	7,140.69	6,890.56	250.12	28.548			
6,700.00	6,203.31	6,213.31	6,213.31	44.17	215.19	136.18	383.51	-5,574.97	7,171.35	6,917.46	253.89	28.246			
6,800.00	6,294.60	6,304.60	6,304.60	44.88	218.37	136.39	383.51	-5,574.97	7,202.11	6,944.46	257.64	27.954			
6,900.00	6,385.88	6,404.12	6,395.88	45.59	221.85	136.61	383.51	-5,574.97	7,232.97	6,971.28	261.69	27.639			
6,927.91	6,411.36	6,421.36	6,421.36	45.79	222.45	136.67	383.51	-5,574.97	7,241.60	6,979.15	262.45	27.592			
6,950.00	6,431.59	6,441.59	6,441.59	45.95	223.15	132.38	383.51	-5,574.97	7,248.09	6,984.81	263.28	27.530			
7,000.00	6,477.77	6,487.77	6,487.77	46.27	224.77	121.77	383.51	-5,574.97	7,260.24	6,995.08	265.17	27.380			
7,050.00	6,524.26	6,534.26	6,534.26	46.56	226.39	110.35	383.51	-5,574.97	7,268.82	7,001.76	267.05	27.219			
7,100.00	6,570.76	6,580.76	6,580.76	46.81	228.01	99.00	383.51	-5,574.97	7,273.76	7,004.85	268.91	27.049			
7,150.00	6,617.00	6,627.00	6,627.00	47.02	229.63	88.59	383.51	-5,574.97	7,275.06	7,004.33	270.73	26.872			
7,200.00	6,662.68	6,672.68	6,672.68	47.20	231.22	79.69	383.51	-5,574.97	7,272.72	7,000.23	272.49	26.689			
7,250.00	6,707.53	6,717.53	6,717.53	47.34	232.79	72.46	383.51	-5,574.97	7,266.76	6,992.56	274.19	26.502			
7,300.00	6,751.28	6,761.28	6,761.28	47.47	234.31	66.77	383.51	-5,574.97	7,257.22	6,981.40	275.82	26.312			
7,350.00	6,793.64	6,803.64	6,803.64	47.57	235.79	62.42	383.51	-5,574.97	7,244.18	6,966.82	277.36	26.118			
7,400.00	6,834.35	6,844.35	6,844.35	47.66	237.21	59.18	383.51	-5,574.97	7,227.72	6,948.91	278.81	25.923			
7,450.00	6,873.18	6,883.18	6,883.18	47.75	238.57	56.88	383.51	-5,574.97	7,207.95	6,927.78	280.17	25.727			
7,500.00	6,909.88	6,919.88	6,919.88	47.83	239.85	55.37	383.51	-5,574.97	7,185.00	6,903.57	281.43	25.530			
7,550.00	6,944.21	6,954.21	6,954.21	47.91	241.05	54.56	383.51	-5,574.97	7,159.01	6,876.42	282.59	25.334			
7,600.00	6,975.98	6,985.98	6,985.98	47.99	242.16	54.41	383.51	-5,574.97	7,130.15	6,846.51	283.64	25.138			
7,650.00	7,004.98	7,014.98	7,014.98	48.09	243.17	54.89	383.51	-5,574.97	7,098.60	6,814.01	284.59	24.943			
7,700.00	7,031.04	7,041.04	7,041.04	48.20	244.08	56.01	383.51	-5,574.97	7,064.55	6,779.12	285.43	24.750			
7,750.00	7,053.99	7,063.99	7,063.99	48.32	244.88	57.82	383.51	-5,574.97	7,028.21	6,742.04	286.17	24.560			
7,800.00	7,073.70	7,083.70	7,083.70	48.46	245.57	60.40	383.51	-5,574.97	6,989.81	6,703.01	286.79	24.372			
7,850.00	7,090.03	7,100.03	7,100.03	48.62	246.14	63.86	383.51	-5,574.97	6,949.56	6,662.25	287.31	24.188			
7,900.00	7,102.90	7,112.90	7,112.90	48.81	246.59	68.34	383.51	-5,574.97	6,907.73	6,620.01	287.72	24.008			
7,950.00	7,112.22	7,122.22	7,122.22	49.02	246.91	74.01	383.51	-5,574.97	6,864.55	6,576.53	288.03	23.833			
8,000.00	7,117.94	7,127.94	7,127.94	49.26	247.11	81.01	383.51	-5,574.97	6,820.30	6,532.07	288.22	23.663			
8,047.82	7,120.00	7,130.00	7,130.00	49.51	247.18	88.99	383.51	-5,574.97	6,777.19	6,488.88	288.31	23.507			
8,100.00	7,120.42	7,130.42	7,130.42	49.82	247.20	89.00	383.51	-5,574.97	6,729.88	6,441.52	288.36	23.339			
8,200.00	7,121.24	7,131.24	7,131.24	50.53	247.23	89.02	383.51	-5,574.97	6,639.40	6,350.92	288.48	23.015			
8,300.00	7,122.05	7,132.05	7,132.05	51.39	247.26	89.03	383.51	-5,574.97	6,549.19	6,260.54	288.65	22.689			
8,400.00	7,122.86	7,132.86	7,132.86	52.42	247.28	89.05	383.51	-5,574.97	6,459.28	6,170.40	288.88	22.360			
8,500.00	7,123.68	7,133.68	7,133.68	53.63	247.31	89.07	383.51	-5,574.97	6,369.66	6,080.51	289.16	22.028			
8,600.00	7,124.49	7,134.49	7,134.49	55.01	247.34	89.08	383.51	-5,574.97	6,280.36	5,990.86	289.50	21.694			
8,700.00	7,125.30	7,135.30	7,135.30	56.54	247.37	89.10	383.51	-5,574.97	6,191.39	5,901.49	289.90	21.357			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	7,136.12	7,136.12	58.21	247.40	89.12	383.51	-5,574.97	6,102.75	5,812.38	290.37	21.017		
8,900.00	7,126.93	7,136.93	7,136.93	60.01	247.43	89.13	383.51	-5,574.97	6,014.48	5,723.56	290.91	20.675		
9,000.00	7,127.75	7,137.75	7,137.75	61.92	247.46	89.15	383.51	-5,574.97	5,926.57	5,635.05	291.53	20.329		
9,100.00	7,128.56	7,138.56	7,138.56	63.92	247.48	89.16	383.51	-5,574.97	5,839.06	5,546.84	292.22	19.982		
9,200.00	7,129.37	7,139.37	7,139.37	66.01	247.51	89.18	383.51	-5,574.97	5,751.95	5,458.96	292.99	19.632		
9,300.00	7,130.19	7,140.19	7,140.19	68.16	247.54	89.20	383.51	-5,574.97	5,665.27	5,371.42	293.84	19.280		
9,400.00	7,131.00	7,141.00	7,141.00	70.38	247.57	89.21	383.51	-5,574.97	5,579.03	5,284.25	294.78	18.926		
9,500.00	7,131.81	7,141.81	7,141.81	72.65	247.60	89.23	383.51	-5,574.97	5,493.26	5,197.45	295.81	18.570		
9,600.00	7,132.63	7,142.63	7,142.63	74.97	247.63	89.25	383.51	-5,574.97	5,407.98	5,111.04	296.93	18.213		
9,700.00	7,133.44	7,143.44	7,143.44	77.33	247.65	89.26	383.51	-5,574.97	5,323.21	5,025.06	298.15	17.854		
9,800.00	7,134.25	7,144.25	7,144.25	79.72	247.68	89.28	383.51	-5,574.97	5,238.98	4,939.52	299.46	17.495		
9,900.00	7,135.07	7,145.07	7,145.07	82.16	247.71	89.30	383.51	-5,574.97	5,155.31	4,854.44	300.87	17.135		
10,000.00	7,135.88	7,145.88	7,145.88	84.62	247.74	89.31	383.51	-5,574.97	5,072.23	4,769.85	302.38	16.774		
10,100.00	7,136.70	7,146.70	7,146.70	87.11	247.77	89.33	383.51	-5,574.97	4,989.77	4,685.78	303.99	16.414		
10,200.00	7,137.51	7,147.51	7,147.51	89.62	247.80	89.35	383.51	-5,574.97	4,907.97	4,602.26	305.71	16.054		
10,300.00	7,138.32	7,148.32	7,148.32	92.16	247.82	89.36	383.51	-5,574.97	4,826.85	4,519.31	307.53	15.695		
10,400.00	7,139.14	7,149.14	7,149.14	94.71	247.85	89.38	383.51	-5,574.97	4,746.45	4,436.98	309.46	15.338		
10,500.00	7,139.95	7,149.95	7,149.95	97.29	247.88	89.39	383.51	-5,574.97	4,666.81	4,355.30	311.51	14.981		
10,600.00	7,140.76	7,150.76	7,150.76	99.88	247.91	89.41	383.51	-5,574.97	4,587.96	4,274.30	313.66	14.627		
10,700.00	7,141.58	7,151.58	7,151.58	102.48	247.94	89.43	383.51	-5,574.97	4,509.96	4,194.03	315.93	14.275		
10,800.00	7,142.39	7,152.39	7,152.39	105.10	247.97	89.44	383.51	-5,574.97	4,432.83	4,114.52	318.31	13.926		
10,900.00	7,143.20	7,153.20	7,153.20	107.74	248.00	89.46	383.51	-5,574.97	4,356.64	4,035.83	320.81	13.580		
11,000.00	7,144.02	7,154.02	7,154.02	110.38	248.02	89.48	383.51	-5,574.97	4,281.43	3,958.00	323.43	13.238		
11,100.00	7,144.83	7,154.83	7,154.83	113.04	248.05	89.49	383.51	-5,574.97	4,207.25	3,881.09	326.16	12.899		
11,200.00	7,145.65	7,155.65	7,155.65	115.71	248.08	89.51	383.51	-5,574.97	4,134.15	3,805.14	329.01	12.565		
11,300.00	7,146.46	7,156.46	7,156.46	118.38	248.11	89.53	383.51	-5,574.97	4,062.21	3,730.22	331.99	12.236		
11,400.00	7,147.27	7,157.27	7,157.27	121.07	248.14	89.54	383.51	-5,574.97	3,991.47	3,656.39	335.08	11.912		
11,500.00	7,148.09	7,158.09	7,158.09	123.76	248.17	89.56	383.51	-5,574.97	3,922.00	3,583.71	338.30	11.593		
11,600.00	7,148.90	7,158.90	7,158.90	126.46	248.19	89.57	383.51	-5,574.97	3,853.88	3,512.25	341.63	11.281		
11,700.00	7,149.71	7,159.71	7,159.71	129.17	248.22	89.59	383.51	-5,574.97	3,787.18	3,442.09	345.09	10.975		
11,800.00	7,150.53	7,160.53	7,160.53	131.89	248.25	89.61	383.51	-5,574.97	3,721.96	3,373.31	348.66	10.675		
11,900.00	7,151.34	7,161.34	7,161.34	134.61	248.28	89.62	383.51	-5,574.97	3,658.32	3,305.98	352.34	10.383		
12,000.00	7,152.16	7,162.16	7,162.16	137.34	248.31	89.64	383.51	-5,574.97	3,596.33	3,240.19	356.14	10.098		
12,100.00	7,152.97	7,162.97	7,162.97	140.07	248.34	89.66	383.51	-5,574.97	3,536.08	3,176.04	360.05	9.821		
12,200.00	7,153.78	7,163.78	7,163.78	142.81	248.36	89.67	383.51	-5,574.97	3,477.67	3,113.61	364.06	9.553		
12,300.00	7,154.60	7,164.60	7,164.60	145.55	248.39	89.69	383.51	-5,574.97	3,421.18	3,053.02	368.16	9.293		
12,400.00	7,155.41	7,165.41	7,165.41	148.30	248.42	89.71	383.51	-5,574.97	3,366.71	2,994.35	372.36	9.042		
12,500.00	7,156.22	7,166.22	7,166.22	151.05	248.45	89.72	383.51	-5,574.97	3,314.37	2,937.73	376.64	8.800		
12,600.00	7,157.04	7,167.04	7,167.04	153.80	248.48	89.74	383.51	-5,574.97	3,264.25	2,883.26	380.99	8.568		
12,700.00	7,157.85	7,167.85	7,167.85	156.56	248.51	89.75	383.51	-5,574.97	3,216.46	2,831.06	385.40	8.346		
12,800.00	7,158.66	7,168.66	7,168.66	159.33	248.53	89.77	383.51	-5,574.97	3,171.10	2,781.24	389.86	8.134		
12,900.00	7,159.48	7,169.48	7,169.48	162.09	248.56	89.79	383.51	-5,574.97	3,128.28	2,733.93	394.35	7.933		
13,000.00	7,160.29	7,170.29	7,170.29	164.86	248.59	89.80	383.51	-5,574.97	3,088.11	2,689.25	398.86	7.742		
13,100.00	7,161.11	7,171.11	7,171.11	167.64	248.62	89.82	383.51	-5,574.97	3,050.69	2,647.32	403.37	7.563		
13,209.97	7,162.00	7,172.00	7,172.00	170.69	248.65	89.84	383.51	-5,574.97	3,012.84	2,604.53	408.30	7.379		
13,210.89	7,162.01	7,172.01	7,172.01	170.72	248.65	89.84	383.51	-5,574.97	3,012.54	2,604.19	408.34	7.377 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	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	16.00	16.00	3.28	3.29	-86.31	208.59	-3,230.37	3,237.10					
100.00	100.00	116.00	116.00	3.28	4.01	-86.31	208.59	-3,230.37	3,237.10	3,229.81	7.29	443.860		
200.00	200.00	216.00	216.00	3.34	6.66	-86.31	208.59	-3,230.37	3,237.10	3,227.11	10.00	323.841		
300.00	299.98	315.98	315.98	3.44	9.85	122.02	208.59	-3,230.37	3,238.03	3,224.74	13.29	243.690		
400.00	399.84	415.84	415.84	3.59	13.19	122.06	208.59	-3,230.37	3,240.81	3,224.03	16.78	193.178		
500.00	499.45	515.45	515.45	3.79	16.58	122.11	208.59	-3,230.37	3,245.45	3,225.08	20.37	159.353		
600.00	598.70	614.70	614.70	4.04	19.98	122.18	208.59	-3,230.37	3,251.97	3,227.95	24.02	135.396		
700.00	697.47	713.47	713.47	4.32	23.39	122.27	208.59	-3,230.37	3,260.38	3,232.67	27.71	117.659		
800.00	795.62	811.62	811.62	4.64	26.79	122.37	208.59	-3,230.37	3,270.72	3,239.29	31.43	104.067		
900.00	893.06	909.06	909.06	5.01	30.17	122.49	208.59	-3,230.37	3,283.01	3,247.84	35.16	93.362		
1,000.00	989.64	1,005.64	1,005.64	5.41	33.52	122.61	208.59	-3,230.37	3,297.28	3,258.37	38.91	84.745		
1,100.00	1,085.27	1,101.27	1,101.27	5.85	36.85	122.75	208.59	-3,230.37	3,313.57	3,270.91	42.65	77.684		
1,200.00	1,179.82	1,204.18	1,195.82	6.33	40.43	122.89	208.59	-3,230.37	3,331.91	3,285.23	46.69	71.365		
1,300.00	1,273.17	1,289.17	1,289.17	6.84	43.38	123.03	208.59	-3,230.37	3,352.36	3,302.23	50.13	66.872		
1,404.90	1,369.69	1,385.69	1,385.69	7.43	46.74	123.18	208.59	-3,230.37	3,376.10	3,322.07	54.03	62.481		
1,500.00	1,456.50	1,472.50	1,472.50	8.00	49.77	123.69	208.59	-3,230.37	3,398.86	3,341.29	57.57	59.038		
1,600.00	1,547.79	1,563.79	1,563.79	8.61	52.95	124.23	208.59	-3,230.37	3,423.10	3,361.80	61.30	55.841		
1,700.00	1,639.07	1,655.07	1,655.07	9.23	56.13	124.75	208.59	-3,230.37	3,447.65	3,382.61	65.04	53.006		
1,800.00	1,730.36	1,746.36	1,746.36	9.87	59.31	125.28	208.59	-3,230.37	3,472.51	3,403.72	68.79	50.478		
1,900.00	1,821.64	1,837.64	1,837.64	10.52	62.49	125.79	208.59	-3,230.37	3,497.67	3,425.12	72.55	48.211		
2,000.00	1,912.93	1,928.93	1,928.93	11.18	65.68	126.30	208.59	-3,230.37	3,523.12	3,446.81	76.31	46.167		
2,100.00	2,004.21	2,020.21	2,020.21	11.84	68.86	126.80	208.59	-3,230.37	3,548.86	3,468.79	80.08	44.318		
2,200.00	2,095.50	2,111.50	2,111.50	12.51	72.04	127.30	208.59	-3,230.37	3,574.88	3,491.04	83.85	42.636		
2,300.00	2,186.78	2,202.78	2,202.78	13.19	75.23	127.79	208.59	-3,230.37	3,601.18	3,513.56	87.62	41.101		
2,400.00	2,278.06	2,305.94	2,294.06	13.86	78.82	128.27	208.59	-3,230.37	3,627.75	3,535.94	91.80	39.517		
2,500.00	2,369.35	2,385.35	2,385.35	14.55	81.59	128.75	208.59	-3,230.37	3,654.57	3,559.41	95.16	38.404		
2,600.00	2,460.63	2,476.63	2,476.63	15.23	84.78	129.22	208.59	-3,230.37	3,681.66	3,582.72	98.93	37.213		
2,700.00	2,551.92	2,567.92	2,567.92	15.92	87.96	129.68	208.59	-3,230.37	3,709.00	3,606.29	102.71	36.112		
2,800.00	2,643.20	2,659.20	2,659.20	16.61	91.15	130.14	208.59	-3,230.37	3,736.58	3,630.10	106.48	35.092		
2,900.00	2,734.49	2,750.49	2,750.49	17.30	94.33	130.59	208.59	-3,230.37	3,764.40	3,654.15	110.25	34.144		
3,000.00	2,825.77	2,841.77	2,841.77	18.00	97.52	131.04	208.59	-3,230.37	3,792.46	3,678.44	114.02	33.261		
3,100.00	2,917.06	2,933.06	2,933.06	18.69	100.70	131.47	208.59	-3,230.37	3,820.75	3,702.96	117.79	32.436		
3,200.00	3,008.34	3,024.34	3,024.34	19.39	103.89	131.91	208.59	-3,230.37	3,849.27	3,727.70	121.56	31.665		
3,300.00	3,099.63	3,115.63	3,115.63	20.09	107.07	132.34	208.59	-3,230.37	3,878.00	3,752.67	125.33	30.942		
3,400.00	3,190.91	3,206.91	3,206.91	20.79	110.26	132.76	208.59	-3,230.37	3,906.95	3,777.85	129.10	30.264		
3,500.00	3,282.20	3,301.80	3,298.20	21.49	113.57	133.18	208.59	-3,230.37	3,936.11	3,803.12	132.99	29.598		
3,600.00	3,373.48	3,389.48	3,389.48	22.19	116.63	133.59	208.59	-3,230.37	3,965.48	3,828.85	136.63	29.024		
3,700.00	3,464.77	3,480.77	3,480.77	22.89	119.81	133.99	208.59	-3,230.37	3,995.05	3,854.66	140.39	28.457		
3,800.00	3,556.05	3,572.05	3,572.05	23.60	123.00	134.39	208.59	-3,230.37	4,024.81	3,880.66	144.15	27.921		
3,900.00	3,647.34	3,663.34	3,663.34	24.30	126.18	134.79	208.59	-3,230.37	4,054.77	3,906.86	147.91	27.414		
4,000.00	3,738.62	3,754.62	3,754.62	25.00	129.37	135.18	208.59	-3,230.37	4,084.92	3,933.25	151.67	26.933		
4,100.00	3,829.91	3,845.91	3,845.91	25.71	132.56	135.56	208.59	-3,230.37	4,115.25	3,959.82	155.43	26.477		
4,200.00	3,921.19	3,937.19	3,937.19	26.42	135.74	135.94	208.59	-3,230.37	4,145.76	3,986.58	159.18	26.044		
4,300.00	4,012.48	4,028.48	4,028.48	27.12	138.93	136.31	208.59	-3,230.37	4,176.45	4,013.51	162.93	25.633		
4,400.00	4,103.76	4,119.76	4,119.76	27.83	142.11	136.68	208.59	-3,230.37	4,207.30	4,040.62	166.69	25.241		
4,500.00	4,195.05	4,211.05	4,211.05	28.54	145.30	137.04	208.59	-3,230.37	4,238.33	4,067.89	170.44	24.867		
4,600.00	4,286.33	4,302.33	4,302.33	29.24	148.49	137.40	208.59	-3,230.37	4,269.53	4,095.34	174.19	24.511		
4,700.00	4,377.62	4,406.38	4,393.62	29.95	152.12	137.76	208.59	-3,230.37	4,300.88	4,122.50	178.38	24.110		
4,800.00	4,468.90	4,484.90	4,484.90	30.66	154.86	138.11	208.59	-3,230.37	4,332.39	4,150.71	181.68	23.846		
4,900.00	4,560.19	4,576.19	4,576.19	31.37	158.04	138.45	208.59	-3,230.37	4,364.06	4,178.63	185.43	23.535		
5,000.00	4,651.47	4,667.47	4,667.47	32.08	161.23	138.79	208.59	-3,230.37	4,395.88	4,206.70	189.17	23.237		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,100.00	4,742.76	4,758.76	4,758.76	32.79	164.42	139.13	208.59	-3,230.37	4,427.84	4,234.93	192.92	22.952		
5,200.00	4,834.04	4,850.04	4,850.04	33.50	167.60	139.46	208.59	-3,230.37	4,459.95	4,263.30	196.66	22.679		
5,300.00	4,925.33	4,941.33	4,941.33	34.21	170.79	139.78	208.59	-3,230.37	4,492.21	4,291.81	200.40	22.416		
5,400.00	5,016.61	5,032.61	5,032.61	34.92	173.97	140.11	208.59	-3,230.37	4,524.60	4,320.46	204.14	22.164		
5,500.00	5,107.90	5,123.90	5,123.90	35.63	177.16	140.42	208.59	-3,230.37	4,557.12	4,349.25	207.88	21.922		
5,600.00	5,199.18	5,215.18	5,215.18	36.34	180.35	140.74	208.59	-3,230.37	4,589.78	4,378.17	211.61	21.689		
5,700.00	5,290.46	5,306.46	5,306.46	37.05	183.53	141.05	208.59	-3,230.37	4,622.57	4,407.22	215.35	21.465		
5,800.00	5,381.75	5,402.25	5,397.75	37.76	186.88	141.35	208.59	-3,230.37	4,655.49	4,436.25	219.24	21.235		
5,900.00	5,473.03	5,489.03	5,489.03	38.47	189.91	141.65	208.59	-3,230.37	4,688.53	4,465.71	222.82	21.042		
6,000.00	5,564.32	5,580.32	5,580.32	39.18	193.09	141.95	208.59	-3,230.37	4,721.69	4,495.14	226.55	20.842		
6,100.00	5,655.60	5,671.60	5,671.60	39.90	196.28	142.25	208.59	-3,230.37	4,754.97	4,524.69	230.28	20.648		
6,200.00	5,746.89	5,762.89	5,762.89	40.61	199.46	142.54	208.59	-3,230.37	4,788.37	4,554.36	234.01	20.462		
6,300.00	5,838.17	5,854.17	5,854.17	41.32	202.65	142.82	208.59	-3,230.37	4,821.88	4,584.14	237.74	20.282		
6,400.00	5,929.46	5,945.46	5,945.46	42.03	205.84	143.10	208.59	-3,230.37	4,855.51	4,614.04	241.47	20.108		
6,500.00	6,020.74	6,036.74	6,036.74	42.74	209.02	143.38	208.59	-3,230.37	4,889.24	4,644.04	245.20	19.940		
6,600.00	6,112.03	6,128.03	6,128.03	43.46	212.21	143.66	208.59	-3,230.37	4,923.08	4,674.16	248.93	19.777		
6,700.00	6,203.31	6,219.31	6,219.31	44.17	215.40	143.93	208.59	-3,230.37	4,957.03	4,704.38	252.65	19.620		
6,800.00	6,294.60	6,310.60	6,310.60	44.88	218.58	144.20	208.59	-3,230.37	4,991.08	4,734.70	256.38	19.468		
6,900.00	6,385.88	6,401.88	6,401.88	45.59	221.77	144.46	208.59	-3,230.37	5,025.23	4,765.13	260.10	19.320		
6,927.91	6,411.36	6,427.36	6,427.36	45.79	222.66	144.53	208.59	-3,230.37	5,034.78	4,773.64	261.14	19.280		
6,950.00	6,431.59	6,447.59	6,447.59	45.95	223.36	140.14	208.59	-3,230.37	5,042.03	4,780.06	261.97	19.247		
7,000.00	6,477.77	6,506.23	6,493.77	46.27	225.41	129.34	208.59	-3,230.37	5,056.06	4,791.78	264.27	19.132		
7,050.00	6,524.26	6,540.26	6,540.26	46.56	226.60	117.79	208.59	-3,230.37	5,066.74	4,801.04	265.70	19.069		
7,100.00	6,570.76	6,586.76	6,586.76	46.81	228.22	106.33	208.59	-3,230.37	5,074.04	4,806.49	267.55	18.965		
7,150.00	6,617.00	6,633.00	6,633.00	47.02	229.84	95.86	208.59	-3,230.37	5,077.92	4,808.56	269.36	18.852		
7,200.00	6,662.68	6,678.68	6,678.68	47.20	231.43	86.93	208.59	-3,230.37	5,078.38	4,807.27	271.12	18.731		
7,250.00	6,707.53	6,723.53	6,723.53	47.34	233.00	79.70	208.59	-3,230.37	5,075.44	4,802.63	272.81	18.604		
7,300.00	6,751.28	6,767.28	6,767.28	47.47	234.52	74.06	208.59	-3,230.37	5,069.13	4,794.70	274.43	18.472		
7,350.00	6,793.64	6,809.64	6,809.64	47.57	236.00	69.77	208.59	-3,230.37	5,059.51	4,783.55	275.96	18.334		
7,400.00	6,834.35	6,850.35	6,850.35	47.66	237.42	66.62	208.59	-3,230.37	5,046.66	4,769.25	277.41	18.192		
7,450.00	6,873.18	6,889.18	6,889.18	47.75	238.78	64.42	208.59	-3,230.37	5,030.68	4,751.92	278.76	18.047		
7,500.00	6,909.88	6,925.88	6,925.88	47.83	240.06	63.03	208.59	-3,230.37	5,011.68	4,731.67	280.01	17.898		
7,550.00	6,944.21	6,960.21	6,960.21	47.91	241.26	62.34	208.59	-3,230.37	4,989.80	4,708.63	281.17	17.747		
7,600.00	6,975.98	7,008.02	6,991.98	47.99	242.93	62.30	208.59	-3,230.37	4,965.18	4,682.40	282.78	17.558		
7,650.00	7,004.98	7,020.98	7,020.98	48.09	243.38	62.86	208.59	-3,230.37	4,938.00	4,654.82	283.18	17.438		
7,700.00	7,031.04	7,047.04	7,047.04	48.20	244.29	64.00	208.59	-3,230.37	4,908.42	4,624.39	284.03	17.281		
7,750.00	7,053.99	7,069.99	7,069.99	48.32	245.09	65.74	208.59	-3,230.37	4,876.63	4,591.85	284.78	17.124		
7,800.00	7,073.70	7,089.70	7,089.70	48.46	245.78	68.07	208.59	-3,230.37	4,842.84	4,557.41	285.43	16.967		
7,850.00	7,090.03	7,106.03	7,106.03	48.62	246.35	71.04	208.59	-3,230.37	4,807.25	4,521.27	285.98	16.810		
7,900.00	7,102.90	7,118.90	7,118.90	48.81	246.80	74.66	208.59	-3,230.37	4,770.08	4,483.64	286.44	16.653		
7,950.00	7,112.22	7,128.22	7,128.22	49.02	247.12	78.97	208.59	-3,230.37	4,731.55	4,444.76	286.80	16.498		
8,000.00	7,117.94	7,133.94	7,133.94	49.26	247.32	83.95	208.59	-3,230.37	4,691.90	4,404.84	287.06	16.345		
8,047.82	7,120.00	7,136.00	7,136.00	49.51	247.39	89.34	208.59	-3,230.37	4,653.13	4,365.91	287.22	16.201		
8,100.00	7,120.42	7,136.42	7,136.42	49.82	247.41	89.35	208.59	-3,230.37	4,610.56	4,323.20	287.35	16.045		
8,200.00	7,121.24	7,137.24	7,137.24	50.53	247.44	89.36	208.59	-3,230.37	4,529.52	4,241.83	287.69	15.744		
8,300.00	7,122.05	7,138.05	7,138.05	51.39	247.47	89.38	208.59	-3,230.37	4,449.26	4,161.13	288.13	15.442		
8,400.00	7,122.86	7,138.86	7,138.86	52.42	247.49	89.40	208.59	-3,230.37	4,369.81	4,081.12	288.70	15.136		
8,500.00	7,123.68	7,139.68	7,139.68	53.63	247.52	89.42	208.59	-3,230.37	4,291.22	4,001.84	289.38	14.829		
8,600.00	7,124.49	7,140.49	7,140.49	55.01	247.55	89.43	208.59	-3,230.37	4,213.54	3,923.35	290.19	14.520		
8,700.00	7,125.30	7,141.30	7,141.30	56.54	247.58	89.45	208.59	-3,230.37	4,136.82	3,845.67	291.14	14.209		

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-14C-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-14C-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		
8,800.00	7,126.12	7,142.12	7,142.12	58.21	247.61	89.47	208.59	-3,230.37	4,061.11	3,768.87	292.23	13.897		
8,900.00	7,126.93	7,142.93	7,142.93	60.01	247.64	89.49	208.59	-3,230.37	3,986.47	3,693.00	293.47	13.584		
9,000.00	7,127.75	7,143.75	7,143.75	61.92	247.66	89.50	208.59	-3,230.37	3,912.96	3,618.11	294.85	13.271		
9,100.00	7,128.56	7,144.56	7,144.56	63.92	247.69	89.52	208.59	-3,230.37	3,840.65	3,544.26	296.39	12.958		
9,200.00	7,129.37	7,145.37	7,145.37	66.01	247.72	89.54	208.59	-3,230.37	3,769.60	3,471.52	298.08	12.646		
9,300.00	7,130.19	7,146.19	7,146.19	68.16	247.75	89.56	208.59	-3,230.37	3,699.90	3,399.97	299.93	12.336		
9,400.00	7,131.00	7,147.00	7,147.00	70.38	247.78	89.57	208.59	-3,230.37	3,631.60	3,329.68	301.93	12.028		
9,500.00	7,131.81	7,147.81	7,147.81	72.65	247.81	89.59	208.59	-3,230.37	3,564.81	3,260.73	304.08	11.723		
9,600.00	7,132.63	7,148.63	7,148.63	74.97	247.84	89.61	208.59	-3,230.37	3,499.60	3,193.21	306.39	11.422		
9,700.00	7,133.44	7,149.44	7,149.44	77.33	247.86	89.63	208.59	-3,230.37	3,436.06	3,127.21	308.85	11.125		
9,800.00	7,134.25	7,150.25	7,150.25	79.72	247.89	89.64	208.59	-3,230.37	3,374.29	3,062.83	311.46	10.834		
9,900.00	7,135.07	7,151.07	7,151.07	82.16	247.92	89.66	208.59	-3,230.37	3,314.39	3,000.18	314.21	10.548		
10,000.00	7,135.88	7,151.88	7,151.88	84.62	247.95	89.68	208.59	-3,230.37	3,256.45	2,939.36	317.10	10.270		
10,100.00	7,136.70	7,152.70	7,152.70	87.11	247.98	89.69	208.59	-3,230.37	3,200.59	2,880.47	320.12	9.998		
10,200.00	7,137.51	7,153.51	7,153.51	89.62	248.01	89.71	208.59	-3,230.37	3,146.92	2,823.65	323.27	9.735		
10,300.00	7,138.32	7,154.32	7,154.32	92.16	248.03	89.73	208.59	-3,230.37	3,095.55	2,769.02	326.53	9.480		
10,400.00	7,139.14	7,155.14	7,155.14	94.71	248.06	89.75	208.59	-3,230.37	3,046.59	2,716.69	329.90	9.235		
10,500.00	7,139.95	7,155.95	7,155.95	97.29	248.09	89.76	208.59	-3,230.37	3,000.17	2,666.80	333.37	8.999		
10,600.00	7,140.76	7,156.76	7,156.76	99.88	248.12	89.78	208.59	-3,230.37	2,956.41	2,619.48	336.93	8.775		
10,700.00	7,141.58	7,157.58	7,157.58	102.48	248.15	89.80	208.59	-3,230.37	2,915.42	2,574.86	340.55	8.561		
10,800.00	7,142.39	7,158.39	7,158.39	105.10	248.18	89.82	208.59	-3,230.37	2,877.32	2,533.08	344.23	8.359		
10,900.00	7,143.20	7,159.20	7,159.20	107.74	248.20	89.83	208.59	-3,230.37	2,842.23	2,494.28	347.95	8.168		
11,000.00	7,144.02	7,160.02	7,160.02	110.38	248.23	89.85	208.59	-3,230.37	2,810.26	2,458.57	351.69	7.991		
11,100.00	7,144.83	7,160.83	7,160.83	113.04	248.26	89.87	208.59	-3,230.37	2,781.52	2,426.09	355.43	7.826		
11,200.00	7,145.65	7,161.65	7,161.65	115.71	248.29	89.89	208.59	-3,230.37	2,756.11	2,396.96	359.16	7.674		
11,300.00	7,146.46	7,162.46	7,162.46	118.38	248.32	89.90	208.59	-3,230.37	2,734.13	2,371.29	362.84	7.535		
11,400.00	7,147.27	7,163.27	7,163.27	121.07	248.35	89.92	208.59	-3,230.37	2,715.65	2,349.19	366.47	7.410		
11,500.00	7,148.09	7,164.09	7,164.09	123.76	248.37	89.94	208.59	-3,230.37	2,700.75	2,330.74	370.01	7.299		
11,600.00	7,148.90	7,164.90	7,164.90	126.46	248.40	89.96	208.59	-3,230.37	2,689.49	2,316.04	373.45	7.202		
11,700.00	7,149.71	7,165.71	7,165.71	129.17	248.43	89.97	208.59	-3,230.37	2,681.91	2,305.14	376.77	7.118		
11,800.00	7,150.53	7,166.53	7,166.53	131.89	248.46	89.99	208.59	-3,230.37	2,678.05	2,298.09	379.96	7.048		
11,853.54	7,150.96	7,166.96	7,166.96	133.34	248.48	90.00	208.59	-3,230.37	2,677.51	2,295.91	381.60	7.016 CC		
11,900.00	7,151.34	7,167.34	7,167.34	134.61	248.49	90.01	208.59	-3,230.37	2,677.92	2,294.93	382.99	6.992 ES		
12,000.00	7,152.16	7,168.16	7,168.16	137.34	248.52	90.03	208.59	-3,230.37	2,681.51	2,295.66	385.85	6.950		
12,100.00	7,152.97	7,168.97	7,168.97	140.07	248.55	90.04	208.59	-3,230.37	2,688.83	2,300.30	388.53	6.920		
12,200.00	7,153.78	7,169.78	7,169.78	142.81	248.57	90.06	208.59	-3,230.37	2,699.83	2,308.81	391.03	6.904		
12,300.00	7,154.60	7,170.60	7,170.60	145.55	248.60	90.08	208.59	-3,230.37	2,714.48	2,321.15	393.32	6.901 SF		
12,400.00	7,155.41	7,171.41	7,171.41	148.30	248.63	90.10	208.59	-3,230.37	2,732.70	2,337.28	395.42	6.911		
12,500.00	7,156.22	7,172.22	7,172.22	151.05	248.66	90.11	208.59	-3,230.37	2,754.44	2,357.12	397.32	6.933		
12,600.00	7,157.04	7,173.04	7,173.04	153.80	248.69	90.13	208.59	-3,230.37	2,779.61	2,380.59	399.02	6.966		
12,700.00	7,157.85	7,173.85	7,173.85	156.56	248.72	90.15	208.59	-3,230.37	2,808.12	2,407.60	400.52	7.011		
12,800.00	7,158.66	7,174.66	7,174.66	159.33	248.74	90.16	208.59	-3,230.37	2,839.86	2,438.03	401.83	7.067		
12,900.00	7,159.48	7,175.48	7,175.48	162.09	248.77	90.18	208.59	-3,230.37	2,874.73	2,471.78	402.95	7.134		
13,000.00	7,160.29	7,176.29	7,176.29	164.86	248.80	90.20	208.59	-3,230.37	2,912.62	2,508.71	403.90	7.211		
13,100.00	7,161.11	7,177.11	7,177.11	167.64	248.83	90.22	208.59	-3,230.37	2,953.41	2,548.72	404.69	7.298		
13,209.97	7,162.00	7,178.00	7,178.00	170.69	248.86	90.24	208.59	-3,230.37	3,001.47	2,596.10	405.37	7.404		
13,210.89	7,162.01	7,178.01	7,178.01	170.72	248.86	90.24	208.59	-3,230.37	3,001.89	2,596.51	405.38	7.405		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-108.33	-968.52	-2,922.66	3,078.96					
100.00	100.00	102.00	98.00	3.28	3.75	-108.33	-968.52	-2,922.66	3,078.96	3,071.92	7.03	437.754		
200.00	200.00	202.00	198.00	3.34	6.24	-108.33	-968.52	-2,922.66	3,078.96	3,069.38	9.58	321.553		
300.00	299.98	302.02	297.98	3.44	9.39	100.01	-968.52	-2,922.66	3,079.26	3,066.43	12.83	240.018		
400.00	399.84	402.16	397.84	3.59	12.72	100.09	-968.52	-2,922.66	3,080.18	3,063.86	16.31	188.809		
500.00	499.45	502.55	497.45	3.79	16.14	100.22	-968.52	-2,922.66	3,081.72	3,061.79	19.92	154.676		
600.00	598.70	603.30	596.70	4.04	19.59	100.40	-968.52	-2,922.66	3,083.91	3,060.29	23.62	130.540		
700.00	697.47	704.53	695.47	4.32	23.08	100.62	-968.52	-2,922.66	3,086.80	3,059.40	27.40	112.650		
800.00	795.62	806.38	793.62	4.64	26.61	100.89	-968.52	-2,922.66	3,090.43	3,059.18	31.25	98.891		
900.00	893.06	908.94	891.06	5.01	30.16	101.20	-968.52	-2,922.66	3,094.85	3,059.68	35.17	87.995		
1,000.00	989.64	987.64	987.64	5.41	32.90	101.55	-968.52	-2,922.66	3,100.13	3,061.82	38.30	80.936		
1,100.00	1,085.27	1,083.27	1,083.27	5.85	36.22	101.94	-968.52	-2,922.66	3,106.34	3,064.28	42.06	73.848		
1,200.00	1,179.82	1,177.82	1,177.82	6.33	39.51	102.35	-968.52	-2,922.66	3,113.57	3,067.74	45.83	67.942		
1,300.00	1,273.17	1,271.17	1,271.17	6.84	42.76	102.79	-968.52	-2,922.66	3,121.90	3,072.31	49.59	62.956		
1,404.90	1,369.69	1,367.69	1,367.69	7.43	46.12	103.27	-968.52	-2,922.66	3,131.92	3,078.39	53.53	58.508		
1,500.00	1,456.50	1,454.50	1,454.50	8.00	49.14	103.91	-968.52	-2,922.66	3,141.86	3,084.75	57.11	55.017		
1,600.00	1,547.79	1,545.79	1,545.79	8.61	52.32	104.57	-968.52	-2,922.66	3,152.79	3,091.91	60.88	51.783		
1,700.00	1,639.07	1,637.07	1,637.07	9.23	55.50	105.22	-968.52	-2,922.66	3,164.21	3,099.54	64.68	48.924		
1,800.00	1,730.36	1,728.36	1,728.36	9.87	58.68	105.88	-968.52	-2,922.66	3,176.12	3,107.64	68.48	46.381		
1,900.00	1,821.64	1,819.64	1,819.64	10.52	61.87	106.53	-968.52	-2,922.66	3,188.51	3,116.22	72.29	44.108		
2,000.00	1,912.93	1,910.93	1,910.93	11.18	65.05	107.17	-968.52	-2,922.66	3,201.36	3,125.26	76.10	42.066		
2,100.00	2,004.21	2,002.21	2,002.21	11.84	68.23	107.81	-968.52	-2,922.66	3,214.69	3,134.76	79.92	40.222		
2,200.00	2,095.50	2,106.50	2,093.50	12.51	71.87	108.45	-968.52	-2,922.66	3,228.48	3,144.27	84.20	38.342		
2,300.00	2,186.78	2,184.78	2,184.78	13.19	74.60	109.08	-968.52	-2,922.66	3,242.72	3,155.14	87.57	37.028		
2,400.00	2,278.06	2,276.06	2,276.06	13.86	77.78	109.71	-968.52	-2,922.66	3,257.41	3,166.01	91.40	35.639		
2,500.00	2,369.35	2,367.35	2,367.35	14.55	80.97	110.33	-968.52	-2,922.66	3,272.54	3,177.31	95.23	34.365		
2,600.00	2,460.63	2,458.63	2,458.63	15.23	84.15	110.95	-968.52	-2,922.66	3,288.12	3,189.06	99.06	33.194		
2,700.00	2,551.92	2,549.92	2,549.92	15.92	87.33	111.56	-968.52	-2,922.66	3,304.12	3,201.23	102.89	32.114		
2,800.00	2,643.20	2,641.20	2,641.20	16.61	90.52	112.16	-968.52	-2,922.66	3,320.55	3,213.83	106.71	31.116		
2,900.00	2,734.49	2,732.49	2,732.49	17.30	93.70	112.77	-968.52	-2,922.66	3,337.40	3,226.86	110.54	30.192		
3,000.00	2,825.77	2,823.77	2,823.77	18.00	96.89	113.36	-968.52	-2,922.66	3,354.66	3,240.29	114.37	29.333		
3,100.00	2,917.06	2,915.06	2,915.06	18.69	100.07	113.95	-968.52	-2,922.66	3,372.32	3,254.13	118.19	28.533		
3,200.00	3,008.34	3,006.34	3,006.34	19.39	103.26	114.54	-968.52	-2,922.66	3,390.39	3,268.37	122.01	27.787		
3,300.00	3,099.63	3,102.37	3,097.63	20.09	106.61	115.12	-968.52	-2,922.66	3,408.84	3,282.85	126.00	27.055		
3,400.00	3,190.91	3,188.91	3,188.91	20.79	109.63	115.69	-968.52	-2,922.66	3,427.69	3,298.04	129.65	26.438		
3,500.00	3,282.20	3,280.20	3,280.20	21.49	112.81	116.26	-968.52	-2,922.66	3,446.92	3,313.45	133.47	25.826		
3,600.00	3,373.48	3,371.48	3,371.48	22.19	116.00	116.83	-968.52	-2,922.66	3,466.52	3,329.24	137.28	25.251		
3,700.00	3,464.77	3,462.77	3,462.77	22.89	119.19	117.38	-968.52	-2,922.66	3,486.49	3,345.39	141.09	24.710		
3,800.00	3,556.05	3,554.05	3,554.05	23.60	122.37	117.94	-968.52	-2,922.66	3,506.82	3,361.91	144.90	24.201		
3,900.00	3,647.34	3,645.34	3,645.34	24.30	125.56	118.48	-968.52	-2,922.66	3,527.50	3,378.79	148.71	23.721		
4,000.00	3,738.62	3,736.62	3,736.62	25.00	128.74	119.02	-968.52	-2,922.66	3,548.54	3,396.02	152.52	23.267		
4,100.00	3,829.91	3,827.91	3,827.91	25.71	131.93	119.56	-968.52	-2,922.66	3,569.91	3,413.60	156.32	22.838		
4,200.00	3,921.19	3,919.19	3,919.19	26.42	135.11	120.09	-968.52	-2,922.66	3,591.63	3,431.51	160.12	22.431		
4,300.00	4,012.48	4,010.48	4,010.48	27.12	138.30	120.61	-968.52	-2,922.66	3,613.67	3,449.76	163.91	22.046		
4,400.00	4,103.76	4,101.76	4,101.76	27.83	141.49	121.13	-968.52	-2,922.66	3,636.05	3,468.34	167.71	21.681		
4,500.00	4,195.05	4,206.95	4,193.05	28.54	145.16	121.65	-968.52	-2,922.66	3,658.73	3,486.75	171.99	21.273		
4,600.00	4,286.33	4,284.33	4,284.33	29.24	147.86	122.15	-968.52	-2,922.66	3,681.74	3,506.45	175.29	21.004		
4,700.00	4,377.62	4,375.62	4,375.62	29.95	151.04	122.66	-968.52	-2,922.66	3,705.05	3,525.97	179.08	20.690		
4,800.00	4,468.90	4,466.90	4,466.90	30.66	154.23	123.15	-968.52	-2,922.66	3,728.66	3,545.80	182.86	20.390		
4,900.00	4,560.19	4,558.19	4,558.19	31.37	157.42	123.64	-968.52	-2,922.66	3,752.56	3,565.92	186.64	20.105		
5,000.00	4,651.47	4,649.47	4,649.47	32.08	160.60	124.13	-968.52	-2,922.66	3,776.76	3,586.34	190.42	19.833		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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					
5,100.00	4,742.76	4,740.76	4,740.76	32.79	163.79	124.61	-968.52	-2,922.66	3,801.24	3,607.04	194.20	19.574					
5,200.00	4,834.04	4,832.04	4,832.04	33.50	166.97	125.08	-968.52	-2,922.66	3,826.00	3,628.03	197.98	19.326					
5,300.00	4,925.33	4,923.33	4,923.33	34.21	170.16	125.55	-968.52	-2,922.66	3,851.04	3,649.29	201.75	19.088					
5,400.00	5,016.61	5,014.61	5,014.61	34.92	173.35	126.01	-968.52	-2,922.66	3,876.34	3,670.82	205.52	18.861					
5,500.00	5,107.90	5,105.90	5,105.90	35.63	176.53	126.47	-968.52	-2,922.66	3,901.90	3,692.62	209.29	18.644					
5,600.00	5,199.18	5,202.82	5,197.18	36.34	179.92	126.93	-968.52	-2,922.66	3,927.73	3,714.48	213.25	18.419					
5,700.00	5,290.46	5,288.46	5,288.46	37.05	182.90	127.37	-968.52	-2,922.66	3,953.81	3,736.99	216.81	18.236					
5,800.00	5,381.75	5,379.75	5,379.75	37.76	186.09	127.82	-968.52	-2,922.66	3,980.13	3,759.55	220.58	18.044					
5,900.00	5,473.03	5,471.03	5,471.03	38.47	189.28	128.25	-968.52	-2,922.66	4,006.70	3,782.36	224.33	17.860					
6,000.00	5,564.32	5,562.32	5,562.32	39.18	192.46	128.68	-968.52	-2,922.66	4,033.50	3,805.41	228.09	17.684					
6,100.00	5,655.60	5,653.60	5,653.60	39.90	195.65	129.11	-968.52	-2,922.66	4,060.54	3,828.70	231.85	17.514					
6,200.00	5,746.89	5,744.89	5,744.89	40.61	198.84	129.53	-968.52	-2,922.66	4,087.81	3,852.21	235.60	17.351					
6,300.00	5,838.17	5,836.17	5,836.17	41.32	202.02	129.95	-968.52	-2,922.66	4,115.31	3,875.96	239.35	17.194					
6,400.00	5,929.46	5,927.46	5,927.46	42.03	205.21	130.36	-968.52	-2,922.66	4,143.02	3,899.92	243.10	17.043					
6,500.00	6,020.74	6,018.74	6,018.74	42.74	208.40	130.77	-968.52	-2,922.66	4,170.95	3,924.10	246.85	16.897					
6,600.00	6,112.03	6,110.03	6,110.03	43.46	211.58	131.17	-968.52	-2,922.66	4,199.09	3,948.50	250.59	16.757					
6,700.00	6,203.31	6,201.31	6,201.31	44.17	214.77	131.56	-968.52	-2,922.66	4,227.43	3,973.10	254.33	16.622					
6,800.00	6,294.60	6,307.40	6,292.60	44.88	218.47	131.96	-968.52	-2,922.66	4,255.98	3,997.39	258.59	16.458					
6,900.00	6,385.88	6,383.88	6,383.88	45.59	221.14	132.34	-968.52	-2,922.66	4,284.73	4,022.92	261.82	16.365					
6,927.91	6,411.36	6,409.36	6,409.36	45.79	222.03	132.45	-968.52	-2,922.66	4,292.79	4,029.93	262.86	16.331					
6,950.00	6,431.59	6,429.59	6,429.59	45.95	222.74	128.25	-968.52	-2,922.66	4,298.83	4,035.14	263.69	16.303					
7,000.00	6,477.77	6,475.77	6,475.77	46.27	224.35	117.84	-968.52	-2,922.66	4,309.88	4,044.32	265.56	16.229					
7,050.00	6,524.26	6,522.26	6,522.26	46.56	225.97	106.59	-968.52	-2,922.66	4,317.29	4,049.87	267.43	16.144					
7,100.00	6,570.76	6,568.76	6,568.76	46.81	227.59	95.39	-968.52	-2,922.66	4,321.02	4,051.75	269.27	16.047					
7,150.00	6,617.00	6,615.00	6,615.00	47.02	229.21	85.11	-968.52	-2,922.66	4,321.05	4,049.98	271.07	15.941					
7,200.00	6,662.68	6,660.68	6,660.68	47.20	230.80	76.33	-968.52	-2,922.66	4,317.40	4,044.60	272.81	15.826					
7,250.00	6,707.53	6,705.53	6,705.53	47.34	232.37	69.21	-968.52	-2,922.66	4,310.11	4,035.63	274.49	15.703					
7,300.00	6,751.28	6,749.28	6,749.28	47.47	233.90	63.62	-968.52	-2,922.66	4,299.24	4,023.15	276.08	15.572					
7,350.00	6,793.64	6,808.36	6,791.64	47.57	235.96	59.36	-968.52	-2,922.66	4,284.85	4,006.67	278.18	15.403					
7,400.00	6,834.35	6,832.35	6,832.35	47.66	236.80	56.20	-968.52	-2,922.66	4,267.05	3,988.03	279.03	15.293					
7,450.00	6,873.18	6,871.18	6,871.18	47.75	238.15	53.97	-968.52	-2,922.66	4,245.97	3,965.61	280.36	15.145					
7,500.00	6,909.88	6,907.88	6,907.88	47.83	239.43	52.54	-968.52	-2,922.66	4,221.72	3,940.13	281.59	14.992					
7,550.00	6,944.21	6,942.21	6,942.21	47.91	240.63	51.81	-968.52	-2,922.66	4,194.48	3,911.76	282.72	14.836					
7,600.00	6,975.98	6,973.98	6,973.98	47.99	241.74	51.74	-968.52	-2,922.66	4,164.41	3,880.66	283.75	14.677					
7,650.00	7,004.98	7,002.98	7,002.98	48.09	242.75	52.30	-968.52	-2,922.66	4,131.69	3,847.03	284.67	14.514					
7,700.00	7,031.04	7,029.04	7,029.04	48.20	243.66	53.53	-968.52	-2,922.66	4,096.54	3,811.07	285.48	14.350					
7,750.00	7,053.99	7,051.99	7,051.99	48.32	244.46	55.47	-968.52	-2,922.66	4,059.17	3,772.98	286.18	14.184					
7,800.00	7,073.70	7,071.70	7,071.70	48.46	245.15	58.22	-968.52	-2,922.66	4,019.79	3,733.01	286.78	14.017					
7,850.00	7,090.03	7,088.03	7,088.03	48.62	245.72	61.90	-968.52	-2,922.66	3,978.65	3,691.39	287.26	13.850					
7,900.00	7,102.90	7,100.90	7,100.90	48.81	246.17	66.69	-968.52	-2,922.66	3,935.99	3,648.35	287.64	13.684					
7,950.00	7,112.22	7,110.22	7,110.22	49.02	246.49	72.77	-968.52	-2,922.66	3,892.07	3,604.16	287.91	13.518					
8,000.00	7,117.94	7,115.94	7,115.94	49.26	246.69	80.31	-968.52	-2,922.66	3,847.14	3,559.06	288.08	13.355					
8,047.82	7,120.00	7,118.00	7,118.00	49.51	246.77	88.91	-968.52	-2,922.66	3,803.46	3,515.33	288.13	13.200					
8,100.00	7,120.42	7,118.42	7,118.42	49.82	246.78	88.93	-968.52	-2,922.66	3,755.58	3,467.43	288.15	13.033					
8,200.00	7,121.24	7,119.24	7,119.24	50.53	246.81	88.96	-968.52	-2,922.66	3,664.14	3,375.93	288.21	12.713					
8,300.00	7,122.05	7,120.05	7,120.05	51.39	246.84	88.99	-968.52	-2,922.66	3,573.16	3,284.83	288.33	12.393					
8,400.00	7,122.86	7,120.86	7,120.86	52.42	246.87	89.02	-968.52	-2,922.66	3,482.67	3,194.16	288.50	12.071					
8,500.00	7,123.68	7,121.68	7,121.68	53.63	246.89	89.06	-968.52	-2,922.66	3,392.71	3,103.96	288.75	11.750					
8,600.00	7,124.49	7,122.49	7,122.49	55.01	246.92	89.09	-968.52	-2,922.66	3,303.33	3,014.26	289.08	11.427					
8,700.00	7,125.30	7,123.30	7,123.30	56.54	246.95	89.12	-968.52	-2,922.66	3,214.58	2,925.09	289.49	11.104					

CC - Min centre 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-14C-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-14C-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		
8,800.00	7,126.12	7,124.12	7,124.12	58.21	246.98	89.15	-968.52	-2,922.66	3,126.51	2,836.50	290.01	10.781		
8,900.00	7,126.93	7,124.93	7,124.93	60.01	247.01	89.18	-968.52	-2,922.66	3,039.17	2,748.54	290.63	10.457		
9,000.00	7,127.75	7,125.75	7,125.75	61.92	247.04	89.21	-968.52	-2,922.66	2,952.64	2,661.25	291.39	10.133		
9,100.00	7,128.56	7,126.56	7,126.56	63.92	247.06	89.24	-968.52	-2,922.66	2,866.99	2,574.71	292.28	9.809		
9,200.00	7,129.37	7,127.37	7,127.37	66.01	247.09	89.27	-968.52	-2,922.66	2,782.29	2,488.96	293.32	9.485		
9,300.00	7,130.19	7,128.19	7,128.19	68.16	247.12	89.30	-968.52	-2,922.66	2,698.64	2,404.10	294.54	9.162		
9,400.00	7,131.00	7,129.00	7,129.00	70.38	247.15	89.33	-968.52	-2,922.66	2,616.13	2,320.20	295.93	8.840		
9,500.00	7,131.81	7,129.81	7,129.81	72.65	247.18	89.37	-968.52	-2,922.66	2,534.89	2,237.37	297.52	8.520		
9,600.00	7,132.63	7,130.63	7,130.63	74.97	247.21	89.40	-968.52	-2,922.66	2,455.03	2,155.71	299.32	8.202		
9,700.00	7,133.44	7,131.44	7,131.44	77.33	247.24	89.43	-968.52	-2,922.66	2,376.69	2,075.35	301.35	7.887		
9,800.00	7,134.25	7,132.25	7,132.25	79.72	247.26	89.46	-968.52	-2,922.66	2,300.04	1,996.43	303.61	7.576		
9,900.00	7,135.07	7,133.07	7,133.07	82.16	247.29	89.49	-968.52	-2,922.66	2,225.24	1,919.12	306.12	7.269		
10,000.00	7,135.88	7,133.88	7,133.88	84.62	247.32	89.52	-968.52	-2,922.66	2,152.48	1,843.59	308.89	6.968		
10,100.00	7,136.70	7,134.70	7,134.70	87.11	247.35	89.55	-968.52	-2,922.66	2,081.99	1,770.07	311.93	6.675		
10,200.00	7,137.51	7,135.51	7,135.51	89.62	247.38	89.58	-968.52	-2,922.66	2,014.00	1,698.77	315.23	6.389		
10,300.00	7,138.32	7,136.32	7,136.32	92.16	247.41	89.61	-968.52	-2,922.66	1,948.77	1,629.96	318.80	6.113		
10,400.00	7,139.14	7,137.14	7,137.14	94.71	247.43	89.65	-968.52	-2,922.66	1,886.58	1,563.94	322.64	5.847		
10,500.00	7,139.95	7,137.95	7,137.95	97.29	247.46	89.68	-968.52	-2,922.66	1,827.75	1,501.04	326.72	5.594		
10,600.00	7,140.76	7,138.76	7,138.76	99.88	247.49	89.71	-968.52	-2,922.66	1,772.62	1,441.59	331.02	5.355		
10,700.00	7,141.58	7,139.58	7,139.58	102.48	247.52	89.74	-968.52	-2,922.66	1,721.53	1,386.01	335.52	5.131		
10,800.00	7,142.39	7,140.39	7,140.39	105.10	247.55	89.77	-968.52	-2,922.66	1,674.86	1,334.69	340.17	4.924		
10,900.00	7,143.20	7,141.20	7,141.20	107.74	247.58	89.80	-968.52	-2,922.66	1,632.99	1,288.08	344.91	4.734		
11,000.00	7,144.02	7,142.02	7,142.02	110.38	247.60	89.83	-968.52	-2,922.66	1,596.29	1,246.61	349.68	4.565		
11,100.00	7,144.83	7,142.83	7,142.83	113.04	247.63	89.86	-968.52	-2,922.66	1,565.13	1,210.74	354.40	4.416		
11,200.00	7,145.65	7,143.65	7,143.65	115.71	247.66	89.89	-968.52	-2,922.66	1,539.85	1,180.87	358.97	4.290		
11,300.00	7,146.46	7,144.46	7,144.46	118.38	247.69	89.92	-968.52	-2,922.66	1,520.73	1,157.40	363.32	4.186		
11,400.00	7,147.27	7,145.27	7,145.27	121.07	247.72	89.96	-968.52	-2,922.66	1,508.01	1,140.65	367.36	4.105		
11,500.00	7,148.09	7,146.09	7,146.09	123.76	247.75	89.99	-968.52	-2,922.66	1,501.86	1,130.85	371.01	4.048		
11,542.59	7,148.43	7,146.43	7,146.43	124.91	247.76	90.00	-968.52	-2,922.66	1,501.25	1,128.83	372.43	4.031 CC		
11,600.00	7,148.90	7,146.90	7,146.90	126.46	247.77	90.02	-968.52	-2,922.66	1,502.35	1,128.16	374.20	4.015 ES		
11,700.00	7,149.71	7,147.71	7,147.71	129.17	247.80	90.05	-968.52	-2,922.66	1,509.48	1,132.60	376.88	4.005 SF		
11,800.00	7,150.53	7,148.53	7,148.53	131.89	247.83	90.08	-968.52	-2,922.66	1,523.16	1,144.12	379.04	4.018		
11,900.00	7,151.34	7,149.34	7,149.34	134.61	247.86	90.11	-968.52	-2,922.66	1,543.21	1,162.54	380.67	4.054		
12,000.00	7,152.16	7,150.16	7,150.16	137.34	247.89	90.14	-968.52	-2,922.66	1,569.39	1,187.60	381.79	4.111		
12,100.00	7,152.97	7,150.97	7,150.97	140.07	247.92	90.17	-968.52	-2,922.66	1,601.39	1,218.97	382.42	4.187		
12,200.00	7,153.78	7,151.78	7,151.78	142.81	247.95	90.20	-968.52	-2,922.66	1,638.88	1,256.25	382.63	4.283		
12,300.00	7,154.60	7,152.60	7,152.60	145.55	247.97	90.24	-968.52	-2,922.66	1,681.49	1,299.03	382.46	4.397		
12,400.00	7,155.41	7,153.41	7,153.41	148.30	248.00	90.27	-968.52	-2,922.66	1,728.84	1,346.87	381.97	4.526		
12,500.00	7,156.22	7,154.22	7,154.22	151.05	248.03	90.30	-968.52	-2,922.66	1,780.55	1,399.34	381.21	4.671		
12,600.00	7,157.04	7,155.04	7,155.04	153.80	248.06	90.33	-968.52	-2,922.66	1,836.25	1,456.01	380.24	4.829		
12,700.00	7,157.85	7,155.85	7,155.85	156.56	248.09	90.36	-968.52	-2,922.66	1,895.59	1,516.49	379.10	5.000		
12,800.00	7,158.66	7,156.66	7,156.66	159.33	248.12	90.39	-968.52	-2,922.66	1,958.25	1,580.41	377.84	5.183		
12,900.00	7,159.48	7,157.48	7,157.48	162.09	248.14	90.42	-968.52	-2,922.66	2,023.91	1,647.41	376.50	5.376		
13,000.00	7,160.29	7,158.29	7,158.29	164.86	248.17	90.45	-968.52	-2,922.66	2,092.29	1,717.20	375.09	5.578		
13,100.00	7,161.11	7,159.11	7,159.11	167.64	248.20	90.48	-968.52	-2,922.66	2,163.13	1,789.48	373.66	5.789		
13,209.97	7,162.00	7,160.00	7,160.00	170.69	248.23	90.52	-968.52	-2,922.66	2,243.60	1,871.54	372.06	6.030		
13,210.89	7,162.01	7,160.01	7,160.01	170.72	248.23	90.52	-968.52	-2,922.66	2,244.28	1,872.23	372.05	6.032		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-176.82	-3,848.89	-213.89	3,854.89					
100.00	100.00	78.00	78.00	3.28	3.55	-176.82	-3,848.89	-213.89	3,854.83	3,848.00	6.84	563.897		
200.00	200.00	178.00	178.00	3.34	5.54	-176.82	-3,848.89	-213.89	3,854.83	3,845.95	8.88	434.097		
300.00	299.98	277.98	277.98	3.44	8.61	31.53	-3,848.89	-213.89	3,853.34	3,841.30	12.05	319.820		
400.00	399.84	377.84	377.84	3.59	11.91	31.62	-3,848.89	-213.89	3,848.88	3,833.39	15.50	248.348		
500.00	499.45	477.45	477.45	3.79	15.28	31.76	-3,848.89	-213.89	3,841.46	3,822.39	19.07	201.429		
600.00	598.70	576.70	576.70	4.04	18.68	31.97	-3,848.89	-213.89	3,831.09	3,808.38	22.71	168.679		
700.00	697.47	675.47	675.47	4.32	22.08	32.24	-3,848.89	-213.89	3,817.79	3,791.40	26.39	144.644		
800.00	795.62	773.62	773.62	4.64	25.47	32.57	-3,848.89	-213.89	3,801.60	3,771.49	30.10	126.298		
900.00	893.06	871.06	871.06	5.01	28.85	32.96	-3,848.89	-213.89	3,782.54	3,748.72	33.82	111.850		
1,000.00	989.64	967.64	967.64	5.41	32.20	33.42	-3,848.89	-213.89	3,760.66	3,723.12	37.54	100.182		
1,100.00	1,085.27	1,063.27	1,063.27	5.85	35.53	33.94	-3,848.89	-213.89	3,736.00	3,694.75	41.25	90.562		
1,200.00	1,179.82	1,157.82	1,157.82	6.33	38.81	34.54	-3,848.89	-213.89	3,708.62	3,663.66	44.96	82.491		
1,300.00	1,273.17	1,251.17	1,251.17	6.84	42.06	35.21	-3,848.89	-213.89	3,678.58	3,629.94	48.65	75.619		
1,404.90	1,369.69	1,347.69	1,347.69	7.43	45.42	36.00	-3,848.89	-213.89	3,644.29	3,591.80	52.49	69.424		
1,500.00	1,456.50	1,434.50	1,434.50	8.00	48.44	36.35	-3,848.89	-213.89	3,611.99	3,556.02	55.97	64.531		
1,600.00	1,547.79	1,525.79	1,525.79	8.61	51.62	36.73	-3,848.89	-213.89	3,578.17	3,518.53	59.64	59.993		
1,700.00	1,639.07	1,617.07	1,617.07	9.23	54.80	37.11	-3,848.89	-213.89	3,544.50	3,481.17	63.33	55.970		
1,800.00	1,730.36	1,708.36	1,708.36	9.87	57.99	37.50	-3,848.89	-213.89	3,510.98	3,443.95	67.03	52.381		
1,900.00	1,821.64	1,800.36	1,799.64	10.52	61.19	37.89	-3,848.89	-213.89	3,477.62	3,406.85	70.76	49.145		
2,000.00	1,912.93	1,890.93	1,890.93	11.18	64.98	38.30	-3,848.89	-213.89	3,444.41	3,369.32	75.09	45.870		
2,100.00	2,004.21	1,982.21	1,982.21	11.84	67.53	38.71	-3,848.89	-213.89	3,411.38	3,333.19	78.19	43.630		
2,200.00	2,095.50	2,073.50	2,073.50	12.51	70.72	39.13	-3,848.89	-213.89	3,378.51	3,296.58	81.93	41.238		
2,300.00	2,186.78	2,164.78	2,164.78	13.19	73.90	39.55	-3,848.89	-213.89	3,345.82	3,260.14	85.67	39.053		
2,400.00	2,278.06	2,256.06	2,256.06	13.86	77.08	39.99	-3,848.89	-213.89	3,313.31	3,223.88	89.43	37.050		
2,500.00	2,369.35	2,347.35	2,347.35	14.55	80.27	40.43	-3,848.89	-213.89	3,280.98	3,187.79	93.19	35.208		
2,600.00	2,460.63	2,438.63	2,438.63	15.23	83.45	40.88	-3,848.89	-213.89	3,248.85	3,151.89	96.96	33.509		
2,700.00	2,551.92	2,529.92	2,529.92	15.92	86.64	41.34	-3,848.89	-213.89	3,216.91	3,116.18	100.73	31.936		
2,800.00	2,643.20	2,621.20	2,621.20	16.61	89.82	41.80	-3,848.89	-213.89	3,185.18	3,080.67	104.51	30.478		
2,900.00	2,734.49	2,712.49	2,712.49	17.30	93.01	42.28	-3,848.89	-213.89	3,153.65	3,045.36	108.29	29.121		
3,000.00	2,825.77	2,803.77	2,803.77	18.00	96.19	42.76	-3,848.89	-213.89	3,122.35	3,010.26	112.09	27.857		
3,100.00	2,917.06	2,895.06	2,895.06	18.69	99.72	43.26	-3,848.89	-213.89	3,091.26	2,975.03	116.23	26.596		
3,200.00	3,008.34	2,986.34	2,986.34	19.39	102.56	43.76	-3,848.89	-213.89	3,060.40	2,940.71	119.69	25.570		
3,300.00	3,099.63	3,077.63	3,077.63	20.09	105.75	44.27	-3,848.89	-213.89	3,029.78	2,906.28	123.50	24.533		
3,400.00	3,190.91	3,168.91	3,168.91	20.79	108.93	44.79	-3,848.89	-213.89	2,999.40	2,872.09	127.31	23.560		
3,500.00	3,282.20	3,260.20	3,260.20	21.49	112.12	45.32	-3,848.89	-213.89	2,969.27	2,838.14	131.13	22.644		
3,600.00	3,373.48	3,351.48	3,351.48	22.19	115.30	45.87	-3,848.89	-213.89	2,939.41	2,804.45	134.96	21.780		
3,700.00	3,464.77	3,442.77	3,442.77	22.89	118.49	46.42	-3,848.89	-213.89	2,909.80	2,771.01	138.79	20.966		
3,800.00	3,556.05	3,534.05	3,534.05	23.60	121.67	46.98	-3,848.89	-213.89	2,880.48	2,737.85	142.63	20.196		
3,900.00	3,647.34	3,625.34	3,625.34	24.30	124.86	47.55	-3,848.89	-213.89	2,851.43	2,704.96	146.47	19.468		
4,000.00	3,738.62	3,716.62	3,716.62	25.00	128.04	48.13	-3,848.89	-213.89	2,822.68	2,672.36	150.32	18.778		
4,100.00	3,829.91	3,807.91	3,807.91	25.71	131.23	48.73	-3,848.89	-213.89	2,794.22	2,640.05	154.17	18.124		
4,200.00	3,921.19	3,899.19	3,899.19	26.42	134.47	49.33	-3,848.89	-213.89	2,766.08	2,607.99	158.09	17.497		
4,300.00	4,012.48	4,009.52	3,990.48	27.12	138.27	49.95	-3,848.89	-213.89	2,738.26	2,575.69	162.57	16.844		
4,400.00	4,103.76	4,081.76	4,081.76	27.83	140.79	50.57	-3,848.89	-213.89	2,710.76	2,544.99	165.77	16.352		
4,500.00	4,195.05	4,173.05	4,173.05	28.54	143.97	51.21	-3,848.89	-213.89	2,683.61	2,513.96	169.65	15.818		
4,600.00	4,286.33	4,264.33	4,264.33	29.24	147.16	51.86	-3,848.89	-213.89	2,656.81	2,483.27	173.54	15.310		
4,700.00	4,377.62	4,355.62	4,355.62	29.95	150.35	52.52	-3,848.89	-213.89	2,630.36	2,452.93	177.43	14.825		
4,800.00	4,468.90	4,446.90	4,446.90	30.66	153.53	53.20	-3,848.89	-213.89	2,604.29	2,422.96	181.33	14.362		
4,900.00	4,560.19	4,538.19	4,538.19	31.37	156.72	53.88	-3,848.89	-213.89	2,578.60	2,393.37	185.23	13.921		
5,000.00	4,651.47	4,629.47	4,629.47	32.08	159.90	54.58	-3,848.89	-213.89	2,553.31	2,364.17	189.14	13.500		

CC - Min centre 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-14C-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-14C-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 #14-8 - OH - OH		Offset Site Error:		0.00 ft
Survey Program: 100-2" Cone@2.448 Sigma													Offset Well Error:		3.28 ft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
5,100.00	4,742.76	4,720.76	4,720.76	32.79	163.09	55.29	-3,848.89	-213.89	2,528.42	2,335.36	193.06	13.097					
5,200.00	4,834.04	4,812.04	4,812.04	33.50	166.28	56.01	-3,848.89	-213.89	2,503.95	2,306.97	196.98	12.712					
5,300.00	4,925.33	4,903.33	4,903.33	34.21	169.46	56.75	-3,848.89	-213.89	2,479.91	2,279.01	200.91	12.344					
5,400.00	5,016.61	5,005.39	4,994.61	34.92	173.02	57.50	-3,848.89	-213.89	2,456.32	2,251.10	205.22	11.969					
5,500.00	5,107.90	5,085.90	5,085.90	35.63	175.83	58.26	-3,848.89	-213.89	2,433.18	2,224.40	208.78	11.654					
5,600.00	5,199.18	5,177.18	5,177.18	36.34	179.02	59.03	-3,848.89	-213.89	2,410.51	2,197.78	212.72	11.332					
5,700.00	5,290.46	5,268.46	5,268.46	37.05	182.21	59.82	-3,848.89	-213.89	2,388.32	2,171.64	216.68	11.023					
5,800.00	5,381.75	5,359.75	5,359.75	37.76	185.39	60.61	-3,848.89	-213.89	2,366.63	2,146.00	220.63	10.727					
5,900.00	5,473.03	5,451.03	5,451.03	38.47	188.58	61.43	-3,848.89	-213.89	2,345.45	2,120.86	224.60	10.443					
6,000.00	5,564.32	5,542.32	5,542.32	39.18	191.77	62.25	-3,848.89	-213.89	2,324.80	2,096.23	228.56	10.171					
6,100.00	5,655.60	5,633.60	5,633.60	39.90	194.95	63.09	-3,848.89	-213.89	2,304.68	2,072.14	232.54	9.911					
6,200.00	5,746.89	5,724.89	5,724.89	40.61	198.14	63.94	-3,848.89	-213.89	2,285.11	2,048.60	236.51	9.662					
6,300.00	5,838.17	5,816.17	5,816.17	41.32	201.32	64.80	-3,848.89	-213.89	2,266.12	2,025.62	240.50	9.423					
6,400.00	5,929.46	5,907.46	5,907.46	42.03	204.51	65.67	-3,848.89	-213.89	2,247.70	2,003.21	244.48	9.194					
6,500.00	6,020.74	6,001.26	5,998.74	42.74	207.78	66.56	-3,848.89	-213.89	2,229.88	1,981.32	248.56	8.971					
6,600.00	6,112.03	6,109.97	6,090.03	43.46	211.58	67.46	-3,848.89	-213.89	2,212.67	1,959.50	253.16	8.740					
6,700.00	6,203.31	6,181.31	6,181.31	44.17	214.07	68.37	-3,848.89	-213.89	2,196.08	1,939.61	256.47	8.563					
6,800.00	6,294.60	6,272.60	6,272.60	44.88	217.26	69.29	-3,848.89	-213.89	2,180.13	1,919.67	260.46	8.370					
6,900.00	6,385.88	6,363.88	6,363.88	45.59	220.44	70.22	-3,848.89	-213.89	2,164.83	1,900.37	264.47	8.186					
6,927.91	6,411.36	6,389.36	6,389.36	45.79	221.33	70.48	-3,848.89	-213.89	2,160.68	1,895.10	265.58	8.136					
6,950.00	6,431.59	6,409.59	6,409.59	45.95	222.04	66.33	-3,848.89	-213.89	2,157.17	1,890.71	266.47	8.095					
7,000.00	6,477.77	6,455.77	6,455.77	46.27	223.65	55.76	-3,848.89	-213.89	2,147.39	1,878.95	268.44	7.999					
7,050.00	6,524.26	6,502.26	6,502.26	46.56	225.27	44.02	-3,848.89	-213.89	2,135.08	1,864.70	270.38	7.897					
7,100.00	6,570.76	6,548.76	6,548.76	46.81	226.90	31.96	-3,848.89	-213.89	2,120.24	1,847.97	272.27	7.787					
7,150.00	6,617.00	6,605.00	6,595.00	47.02	228.86	20.44	-3,848.89	-213.89	2,102.94	1,828.48	274.46	7.662					
7,200.00	6,662.68	6,640.68	6,640.68	47.20	230.10	10.01	-3,848.89	-213.89	2,083.24	1,807.34	275.89	7.551					
7,250.00	6,707.53	6,685.53	6,685.53	47.34	231.67	0.78	-3,848.89	-213.89	2,061.24	1,783.63	277.61	7.425					
7,300.00	6,751.28	6,729.28	6,729.28	47.47	233.20	-7.38	-3,848.89	-213.89	2,037.08	1,757.80	279.27	7.294					
7,350.00	6,793.64	6,771.64	6,771.64	47.57	234.68	-14.73	-3,848.89	-213.89	2,010.90	1,730.03	280.87	7.160					
7,400.00	6,834.35	6,812.35	6,812.35	47.66	236.10	-21.54	-3,848.89	-213.89	1,982.89	1,700.50	282.40	7.022					
7,450.00	6,873.18	6,851.18	6,851.18	47.75	237.45	-28.01	-3,848.89	-213.89	1,953.26	1,669.41	283.85	6.881					
7,500.00	6,909.88	6,887.88	6,887.88	47.83	238.73	-34.31	-3,848.89	-213.89	1,922.24	1,637.01	285.23	6.739					
7,550.00	6,944.21	6,922.21	6,922.21	47.91	239.93	-40.54	-3,848.89	-213.89	1,890.09	1,603.56	286.53	6.597					
7,600.00	6,975.98	6,953.98	6,953.98	47.99	241.04	-46.74	-3,848.89	-213.89	1,857.09	1,569.35	287.74	6.454					
7,650.00	7,004.98	6,982.98	6,982.98	48.09	242.05	-52.90	-3,848.89	-213.89	1,823.54	1,534.67	288.87	6.313					
7,700.00	7,031.04	7,009.04	7,009.04	48.20	242.96	-58.94	-3,848.89	-213.89	1,789.77	1,499.86	289.91	6.174					
7,750.00	7,053.99	7,031.99	7,031.99	48.32	243.76	-64.77	-3,848.89	-213.89	1,756.10	1,465.25	290.85	6.038					
7,800.00	7,073.70	7,051.70	7,051.70	48.46	244.45	-70.28	-3,848.89	-213.89	1,722.88	1,431.18	291.70	5.906					
7,850.00	7,090.03	7,068.03	7,068.03	48.62	245.02	-75.34	-3,848.89	-213.89	1,690.48	1,398.03	292.45	5.780					
7,900.00	7,102.90	7,080.90	7,080.90	48.81	245.47	-79.87	-3,848.89	-213.89	1,659.23	1,366.13	293.10	5.661					
7,950.00	7,112.22	7,109.78	7,090.22	49.02	246.48	-83.82	-3,848.89	-213.89	1,629.49	1,335.15	294.34	5.536					
8,000.00	7,117.94	7,104.06	7,095.94	49.26	246.28	-87.14	-3,848.89	-213.89	1,601.60	1,307.20	294.39	5.440					
8,047.82	7,120.00	7,102.00	7,098.00	49.51	246.21	-89.74	-3,848.89	-213.89	1,576.93	1,282.35	294.59	5.353					
8,100.00	7,120.42	7,101.58	7,098.42	49.82	246.19	-89.75	-3,848.89	-213.89	1,551.86	1,256.96	294.90	5.262					
8,200.00	7,121.24	7,100.76	7,099.24	50.53	246.16	-89.79	-3,848.89	-213.89	1,507.68	1,212.08	295.60	5.100					
8,300.00	7,122.05	7,100.05	7,100.05	51.39	246.14	-89.82	-3,848.89	-213.89	1,468.99	1,172.53	296.46	4.955					
8,400.00	7,122.86	7,100.86	7,100.86	52.42	246.17	-89.86	-3,848.89	-213.89	1,436.24	1,138.73	297.51	4.828					
8,500.00	7,123.68	7,101.68	7,101.68	53.63	246.20	-89.89	-3,848.89	-213.89	1,409.83	1,111.15	298.68	4.720					
8,600.00	7,124.49	7,102.49	7,102.49	55.01	246.22	-89.92	-3,848.89	-213.89	1,390.13	1,090.18	299.96	4.634					
8,700.00	7,125.30	7,103.30	7,103.30	56.54	246.25	-89.96	-3,848.89	-213.89	1,377.43	1,076.13	301.29	4.572					

CC - Min centre 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-14C-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-14C-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			
8,800.00	7,126.12	7,104.12	7,104.12	58.21	246.28	-89.99	-3,848.89	-213.89	1,371.91	1,069.26	302.65	4.533			
8,825.83	7,126.33	7,104.33	7,104.33	58.67	246.29	-90.00	-3,848.89	-213.89	1,371.67	1,068.66	303.01	4.527 CC, ES			
8,900.00	7,126.93	7,104.93	7,104.93	60.01	246.31	-90.03	-3,848.89	-213.89	1,373.67	1,069.68	303.99	4.519 SF			
9,000.00	7,127.75	7,105.75	7,105.75	61.92	246.34	-90.06	-3,848.89	-213.89	1,382.68	1,077.40	305.28	4.529			
9,100.00	7,128.56	7,106.56	7,106.56	63.92	246.37	-90.09	-3,848.89	-213.89	1,398.80	1,092.32	306.48	4.564			
9,200.00	7,129.37	7,107.37	7,107.37	66.01	246.40	-90.13	-3,848.89	-213.89	1,421.78	1,114.22	307.56	4.623			
9,300.00	7,130.19	7,108.19	7,108.19	68.16	246.42	-90.16	-3,848.89	-213.89	1,451.31	1,142.79	308.52	4.704			
9,400.00	7,131.00	7,109.00	7,109.00	70.38	246.45	-90.20	-3,848.89	-213.89	1,486.98	1,177.64	309.34	4.807			
9,500.00	7,131.81	7,109.81	7,109.81	72.65	246.48	-90.23	-3,848.89	-213.89	1,528.38	1,218.35	310.03	4.930			
9,600.00	7,132.63	7,110.63	7,110.63	74.97	246.51	-90.26	-3,848.89	-213.89	1,575.05	1,264.45	310.59	5.071			
9,700.00	7,133.44	7,111.44	7,111.44	77.33	246.54	-90.30	-3,848.89	-213.89	1,626.53	1,315.49	311.04	5.229			
9,800.00	7,134.25	7,112.25	7,112.25	79.72	246.57	-90.33	-3,848.89	-213.89	1,682.38	1,371.00	311.38	5.403			
9,900.00	7,135.07	7,113.07	7,113.07	82.16	246.59	-90.37	-3,848.89	-213.89	1,742.19	1,430.55	311.64	5.590			
10,000.00	7,135.88	7,113.88	7,113.88	84.62	246.62	-90.40	-3,848.89	-213.89	1,805.56	1,493.74	311.82	5.790			
10,100.00	7,136.70	7,114.70	7,114.70	87.11	246.65	-90.43	-3,848.89	-213.89	1,872.13	1,560.19	311.94	6.002			
10,200.00	7,137.51	7,115.51	7,115.51	89.62	246.68	-90.47	-3,848.89	-213.89	1,941.57	1,629.56	312.01	6.223			
10,300.00	7,138.32	7,116.32	7,116.32	92.16	246.71	-90.50	-3,848.89	-213.89	2,013.58	1,701.55	312.03	6.453			
10,400.00	7,139.14	7,117.14	7,117.14	94.71	246.74	-90.53	-3,848.89	-213.89	2,087.90	1,775.87	312.03	6.691			
10,500.00	7,139.95	7,117.95	7,117.95	97.29	246.76	-90.57	-3,848.89	-213.89	2,164.29	1,852.29	311.99	6.937			
10,600.00	7,140.76	7,118.76	7,118.76	99.88	246.79	-90.60	-3,848.89	-213.89	2,242.53	1,930.59	311.94	7.189			
10,700.00	7,141.58	7,119.58	7,119.58	102.48	246.82	-90.64	-3,848.89	-213.89	2,322.45	2,010.58	311.87	7.447			
10,800.00	7,142.39	7,120.39	7,120.39	105.10	246.85	-90.67	-3,848.89	-213.89	2,403.86	2,092.07	311.79	7.710			
10,900.00	7,143.20	7,121.20	7,121.20	107.74	246.88	-90.70	-3,848.89	-213.89	2,486.64	2,174.94	311.70	7.978			
11,000.00	7,144.02	7,122.02	7,122.02	110.38	246.91	-90.74	-3,848.89	-213.89	2,570.64	2,259.03	311.61	8.250			
11,100.00	7,144.83	7,122.83	7,122.83	113.04	246.93	-90.77	-3,848.89	-213.89	2,655.75	2,344.23	311.51	8.525			
11,200.00	7,145.65	7,123.65	7,123.65	115.71	246.96	-90.81	-3,848.89	-213.89	2,741.86	2,430.44	311.42	8.804			
11,300.00	7,146.46	7,124.46	7,124.46	118.38	246.99	-90.84	-3,848.89	-213.89	2,828.89	2,517.57	311.32	9.087			
11,400.00	7,147.27	7,125.27	7,125.27	121.07	247.02	-90.87	-3,848.89	-213.89	2,916.74	2,605.52	311.22	9.372			
11,500.00	7,148.09	7,126.09	7,126.09	123.76	247.05	-90.91	-3,848.89	-213.89	3,005.36	2,694.23	311.13	9.660			
11,600.00	7,148.90	7,126.90	7,126.90	126.46	247.08	-90.94	-3,848.89	-213.89	3,094.67	2,783.63	311.04	9.950			
11,700.00	7,149.71	7,127.71	7,127.71	129.17	247.11	-90.98	-3,848.89	-213.89	3,184.62	2,873.67	310.95	10.242			
11,800.00	7,150.53	7,128.53	7,128.53	131.89	247.13	-91.01	-3,848.89	-213.89	3,275.15	2,964.28	310.86	10.536			
11,900.00	7,151.34	7,129.34	7,129.34	134.61	247.16	-91.04	-3,848.89	-213.89	3,366.21	3,055.43	310.78	10.831			
12,000.00	7,152.16	7,130.16	7,130.16	137.34	247.19	-91.08	-3,848.89	-213.89	3,457.77	3,147.07	310.70	11.129			
12,100.00	7,152.97	7,130.97	7,130.97	140.07	247.22	-91.11	-3,848.89	-213.89	3,549.78	3,239.15	310.63	11.428			
12,200.00	7,153.78	7,131.78	7,131.78	142.81	247.25	-91.15	-3,848.89	-213.89	3,642.22	3,331.66	310.56	11.728			
12,300.00	7,154.60	7,132.60	7,132.60	145.55	247.28	-91.18	-3,848.89	-213.89	3,735.04	3,424.55	310.49	12.029			
12,400.00	7,155.41	7,133.41	7,133.41	148.30	247.30	-91.21	-3,848.89	-213.89	3,828.23	3,517.80	310.43	12.332			
12,500.00	7,156.22	7,134.22	7,134.22	151.05	247.33	-91.25	-3,848.89	-213.89	3,921.75	3,611.38	310.37	12.636			
12,600.00	7,157.04	7,135.04	7,135.04	153.80	247.36	-91.28	-3,848.89	-213.89	4,015.58	3,705.26	310.32	12.940			
12,700.00	7,157.85	7,135.85	7,135.85	156.56	247.39	-91.32	-3,848.89	-213.89	4,109.71	3,799.44	310.27	13.246			
12,800.00	7,158.66	7,136.66	7,136.66	159.33	247.42	-91.35	-3,848.89	-213.89	4,204.10	3,893.88	310.22	13.552			
12,900.00	7,159.48	7,137.48	7,137.48	162.09	247.45	-91.38	-3,848.89	-213.89	4,298.75	3,988.57	310.18	13.859			
13,000.00	7,160.29	7,138.29	7,138.29	164.86	247.47	-91.42	-3,848.89	-213.89	4,393.64	4,083.50	310.14	14.167			
13,100.00	7,161.11	7,139.11	7,139.11	167.64	247.50	-91.45	-3,848.89	-213.89	4,488.74	4,178.64	310.10	14.475			
13,209.97	7,162.00	7,140.00	7,140.00	170.69	247.53	-91.49	-3,848.89	-213.89	4,593.57	4,283.50	310.07	14.815			
13,210.89	7,162.01	7,140.01	7,140.01	170.72	247.53	-91.49	-3,848.89	-213.89	4,594.45	4,284.38	310.07	14.817			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning	
0.00	0.00	40.00	40.00	3.28	3.35	-69.74	1,618.99	-4,385.34	4,674.65					
100.00	100.00	140.00	140.00	3.28	4.54	-69.74	1,618.99	-4,385.34	4,674.65	4,666.82	7.83	597.268		
200.00	200.00	240.00	240.00	3.34	7.40	-69.74	1,618.99	-4,385.34	4,674.65	4,663.91	10.74	435.393		
300.00	299.98	339.98	339.98	3.44	10.64	138.58	1,618.99	-4,385.34	4,675.96	4,661.87	14.08	332.068		
400.00	399.84	439.84	439.84	3.59	14.00	138.57	1,618.99	-4,385.34	4,679.88	4,662.29	17.59	266.048		
500.00	499.45	539.45	539.45	3.79	17.40	138.55	1,618.99	-4,385.34	4,686.43	4,665.24	21.19	221.161		
600.00	598.70	638.70	638.70	4.04	20.81	138.53	1,618.99	-4,385.34	4,695.59	4,670.74	24.85	188.985		
700.00	697.47	737.47	737.47	4.32	24.22	138.50	1,618.99	-4,385.34	4,707.37	4,678.83	28.54	164.942		
800.00	795.62	835.62	835.62	4.64	27.62	138.46	1,618.99	-4,385.34	4,721.78	4,689.52	32.26	146.386		
900.00	893.06	933.06	933.06	5.01	31.00	138.41	1,618.99	-4,385.34	4,738.80	4,702.81	35.98	131.689		
1,000.00	989.64	1,029.64	1,029.64	5.41	34.36	138.35	1,618.99	-4,385.34	4,758.44	4,718.72	39.72	119.805		
1,100.00	1,085.27	1,125.27	1,125.27	5.85	37.68	138.27	1,618.99	-4,385.34	4,780.70	4,737.25	43.45	110.031		
1,200.00	1,179.82	1,219.82	1,219.82	6.33	40.97	138.18	1,618.99	-4,385.34	4,805.57	4,758.40	47.17	101.877		
1,300.00	1,273.17	1,313.17	1,313.17	6.84	44.22	138.08	1,618.99	-4,385.34	4,833.05	4,782.18	50.88	94.993		
1,404.90	1,369.69	1,409.69	1,409.69	7.43	47.58	137.95	1,618.99	-4,385.34	4,864.68	4,809.94	54.75	88.859		
1,500.00	1,456.50	1,503.50	1,496.50	8.00	50.85	138.24	1,618.99	-4,385.34	4,894.72	4,836.23	58.49	83.686		
1,600.00	1,547.79	1,587.79	1,587.79	8.61	53.78	138.54	1,618.99	-4,385.34	4,926.44	4,864.50	61.93	79.544		
1,700.00	1,639.07	1,679.07	1,679.07	9.23	56.97	138.84	1,618.99	-4,385.34	4,958.29	4,892.65	65.63	75.545		
1,800.00	1,730.36	1,770.36	1,770.36	9.87	60.15	139.14	1,618.99	-4,385.34	4,990.27	4,920.92	69.34	71.965		
1,900.00	1,821.64	1,861.64	1,861.64	10.52	63.33	139.44	1,618.99	-4,385.34	5,022.38	4,949.32	73.06	68.743		
2,000.00	1,912.93	1,952.93	1,952.93	11.18	66.51	139.73	1,618.99	-4,385.34	5,054.61	4,977.83	76.78	65.830		
2,100.00	2,004.21	2,044.21	2,044.21	11.84	69.70	140.01	1,618.99	-4,385.34	5,086.97	5,006.46	80.51	63.184		
2,200.00	2,095.50	2,135.50	2,135.50	12.51	72.88	140.30	1,618.99	-4,385.34	5,119.45	5,035.21	84.24	60.771		
2,300.00	2,186.78	2,226.78	2,226.78	13.19	76.06	140.58	1,618.99	-4,385.34	5,152.05	5,064.07	87.98	58.562		
2,400.00	2,278.06	2,318.06	2,318.06	13.86	79.25	140.85	1,618.99	-4,385.34	5,184.76	5,093.05	91.71	56.533		
2,500.00	2,369.35	2,409.35	2,409.35	14.55	82.43	141.13	1,618.99	-4,385.34	5,217.59	5,122.14	95.45	54.663		
2,600.00	2,460.63	2,500.63	2,500.63	15.23	85.61	141.40	1,618.99	-4,385.34	5,250.53	5,151.34	99.19	52.933		
2,700.00	2,551.92	2,591.92	2,591.92	15.92	88.36	141.66	1,618.99	-4,385.34	5,283.58	5,180.09	103.50	51.051		
2,800.00	2,643.20	2,683.20	2,683.20	16.61	91.98	141.93	1,618.99	-4,385.34	5,316.74	5,210.07	106.67	49.841		
2,900.00	2,734.49	2,774.49	2,774.49	17.30	95.17	142.19	1,618.99	-4,385.34	5,350.01	5,239.59	110.42	48.452		
3,000.00	2,825.77	2,865.77	2,865.77	18.00	98.35	142.45	1,618.99	-4,385.34	5,383.38	5,269.22	114.16	47.156		
3,100.00	2,917.06	2,957.06	2,957.06	18.69	101.54	142.70	1,618.99	-4,385.34	5,416.85	5,298.95	117.90	45.943		
3,200.00	3,008.34	3,048.34	3,048.34	19.39	104.72	142.95	1,618.99	-4,385.34	5,450.42	5,328.77	121.65	44.805		
3,300.00	3,099.63	3,139.63	3,139.63	20.09	107.91	143.20	1,618.99	-4,385.34	5,484.09	5,358.70	125.39	43.736		
3,400.00	3,190.91	3,230.91	3,230.91	20.79	111.09	143.45	1,618.99	-4,385.34	5,517.86	5,388.73	129.14	42.729		
3,500.00	3,282.20	3,322.20	3,322.20	21.49	114.28	143.69	1,618.99	-4,385.34	5,551.72	5,418.84	132.88	41.780		
3,600.00	3,373.48	3,413.48	3,413.48	22.19	117.47	143.93	1,618.99	-4,385.34	5,585.68	5,449.06	136.62	40.884		
3,700.00	3,464.77	3,504.77	3,504.77	22.89	120.65	144.17	1,618.99	-4,385.34	5,619.73	5,479.36	140.36	40.037		
3,800.00	3,556.05	3,596.05	3,596.05	23.60	124.11	144.41	1,618.99	-4,385.34	5,653.86	5,509.48	144.38	39.159		
3,900.00	3,647.34	3,687.34	3,687.34	24.30	127.02	144.64	1,618.99	-4,385.34	5,688.09	5,540.24	147.85	38.472		
4,000.00	3,738.62	3,778.62	3,778.62	25.00	130.21	144.87	1,618.99	-4,385.34	5,722.40	5,570.81	151.59	37.749		
4,100.00	3,829.91	3,869.91	3,869.91	25.71	133.39	145.10	1,618.99	-4,385.34	5,756.80	5,601.47	155.33	37.062		
4,200.00	3,921.19	3,961.19	3,961.19	26.42	136.58	145.32	1,618.99	-4,385.34	5,791.28	5,632.20	159.07	36.407		
4,300.00	4,012.48	4,052.48	4,052.48	27.12	139.77	145.54	1,618.99	-4,385.34	5,825.84	5,663.03	162.81	35.783		
4,400.00	4,103.76	4,143.76	4,143.76	27.83	142.95	145.76	1,618.99	-4,385.34	5,860.48	5,693.93	166.55	35.187		
4,500.00	4,195.05	4,235.05	4,235.05	28.54	146.14	145.98	1,618.99	-4,385.34	5,895.20	5,724.91	170.29	34.619		
4,600.00	4,286.33	4,326.33	4,326.33	29.24	149.32	146.20	1,618.99	-4,385.34	5,930.00	5,755.98	174.03	34.075		
4,700.00	4,377.62	4,417.62	4,417.62	29.95	152.51	146.41	1,618.99	-4,385.34	5,964.88	5,787.12	177.76	33.555		
4,800.00	4,468.90	4,508.90	4,508.90	30.66	155.70	146.62	1,618.99	-4,385.34	5,999.83	5,818.33	181.50	33.057		
4,900.00	4,560.19	4,600.19	4,600.19	31.37	158.88	146.83	1,618.99	-4,385.34	6,034.86	5,849.62	185.24	32.579		
5,000.00	4,651.47	4,708.53	4,691.47	32.08	162.66	147.03	1,618.99	-4,385.34	6,069.95	5,880.39	189.57	32.020		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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			
5,100.00	4,742.76	4,782.76	4,782.76	32.79	165.25	147.24	1,618.99	-4,385.34	6,105.12	5,912.42	192.71	31.681			
5,200.00	4,834.04	4,874.04	4,874.04	33.50	168.44	147.44	1,618.99	-4,385.34	6,140.36	5,943.92	196.44	31.258			
5,300.00	4,925.33	4,965.33	4,965.33	34.21	171.63	147.64	1,618.99	-4,385.34	6,175.67	5,975.49	200.18	30.851			
5,400.00	5,016.61	5,056.61	5,056.61	34.92	174.81	147.83	1,618.99	-4,385.34	6,211.05	6,007.14	203.91	30.460			
5,500.00	5,107.90	5,147.90	5,147.90	35.63	178.00	148.03	1,618.99	-4,385.34	6,246.49	6,038.85	207.64	30.083			
5,600.00	5,199.18	5,239.18	5,239.18	36.34	181.18	148.22	1,618.99	-4,385.34	6,282.00	6,070.62	211.38	29.720			
5,700.00	5,290.46	5,330.46	5,330.46	37.05	184.37	148.41	1,618.99	-4,385.34	6,317.57	6,102.46	215.11	29.369			
5,800.00	5,381.75	5,421.75	5,421.75	37.76	187.56	148.60	1,618.99	-4,385.34	6,353.20	6,134.37	218.84	29.031			
5,900.00	5,473.03	5,513.03	5,513.03	38.47	190.74	148.79	1,618.99	-4,385.34	6,388.90	6,166.33	222.57	28.705			
6,000.00	5,564.32	5,604.32	5,604.32	39.18	193.93	148.97	1,618.99	-4,385.34	6,424.66	6,198.36	226.30	28.390			
6,100.00	5,655.60	5,704.40	5,695.60	39.90	197.42	149.15	1,618.99	-4,385.34	6,460.48	6,230.14	230.34	28.048			
6,200.00	5,746.89	5,786.89	5,786.89	40.61	200.30	149.33	1,618.99	-4,385.34	6,496.36	6,262.60	233.76	27.791			
6,300.00	5,838.17	5,878.17	5,878.17	41.32	203.49	149.51	1,618.99	-4,385.34	6,532.29	6,294.81	237.49	27.506			
6,400.00	5,929.46	5,969.46	5,969.46	42.03	206.67	149.69	1,618.99	-4,385.34	6,568.29	6,327.07	241.22	27.230			
6,500.00	6,020.74	6,060.74	6,060.74	42.74	209.86	149.86	1,618.99	-4,385.34	6,604.34	6,359.39	244.94	26.963			
6,600.00	6,112.03	6,152.03	6,152.03	43.46	213.05	150.04	1,618.99	-4,385.34	6,640.44	6,391.77	248.67	26.704			
6,700.00	6,203.31	6,243.31	6,243.31	44.17	216.23	150.21	1,618.99	-4,385.34	6,676.60	6,424.20	252.40	26.453			
6,800.00	6,294.60	6,334.60	6,334.60	44.88	219.42	150.38	1,618.99	-4,385.34	6,712.81	6,456.69	256.12	26.209			
6,900.00	6,385.88	6,425.88	6,425.88	45.59	222.61	150.55	1,618.99	-4,385.34	6,749.08	6,489.23	259.85	25.973			
6,927.91	6,411.36	6,451.36	6,451.36	45.79	223.50	150.59	1,618.99	-4,385.34	6,759.21	6,498.32	260.89	25.908			
6,950.00	6,431.59	6,471.59	6,471.59	45.95	224.20	146.09	1,618.99	-4,385.34	6,766.93	6,505.22	261.71	25.856			
7,000.00	6,477.77	6,517.77	6,517.77	46.27	225.81	135.05	1,618.99	-4,385.34	6,782.20	6,518.61	263.59	25.730			
7,050.00	6,524.26	6,564.26	6,564.26	46.56	227.44	123.29	1,618.99	-4,385.34	6,794.32	6,528.86	265.46	25.594			
7,100.00	6,570.76	6,610.76	6,610.76	46.81	229.06	111.65	1,618.99	-4,385.34	6,803.24	6,535.93	267.32	25.450			
7,150.00	6,617.00	6,657.00	6,657.00	47.02	230.67	101.01	1,618.99	-4,385.34	6,808.92	6,539.78	269.14	25.299			
7,200.00	6,662.68	6,702.68	6,702.68	47.20	232.27	91.93	1,618.99	-4,385.34	6,811.34	6,540.43	270.91	25.142			
7,250.00	6,707.53	6,747.53	6,747.53	47.34	233.83	84.57	1,618.99	-4,385.34	6,810.50	6,537.87	272.62	24.981			
7,300.00	6,751.28	6,808.73	6,791.28	47.47	235.97	78.79	1,618.99	-4,385.34	6,806.42	6,531.55	274.87	24.762			
7,350.00	6,793.64	6,833.64	6,833.64	47.57	236.84	74.38	1,618.99	-4,385.34	6,799.15	6,523.33	275.82	24.651			
7,400.00	6,834.35	6,874.35	6,874.35	47.66	238.26	71.12	1,618.99	-4,385.34	6,788.75	6,511.46	277.29	24.482			
7,450.00	6,873.18	6,913.18	6,913.18	47.75	239.62	68.81	1,618.99	-4,385.34	6,775.31	6,496.64	278.67	24.313			
7,500.00	6,909.88	6,949.88	6,949.88	47.83	240.90	67.30	1,618.99	-4,385.34	6,758.92	6,478.96	279.96	24.143			
7,550.00	6,944.21	6,984.21	6,984.21	47.91	242.10	66.48	1,618.99	-4,385.34	6,739.69	6,458.54	281.15	23.972			
7,600.00	6,975.98	7,015.98	7,015.98	47.99	243.20	66.30	1,618.99	-4,385.34	6,717.77	6,435.53	282.24	23.802			
7,650.00	7,004.98	7,044.98	7,044.98	48.09	244.22	66.69	1,618.99	-4,385.34	6,693.29	6,410.06	283.23	23.632			
7,700.00	7,031.04	7,071.04	7,071.04	48.20	245.13	67.63	1,618.99	-4,385.34	6,666.43	6,382.31	284.12	23.463			
7,750.00	7,053.99	7,106.01	7,093.99	48.32	246.35	69.11	1,618.99	-4,385.34	6,637.34	6,352.01	285.34	23.261			
7,800.00	7,073.70	7,113.70	7,113.70	48.46	246.62	71.13	1,618.99	-4,385.34	6,606.23	6,320.61	285.62	23.130			
7,850.00	7,090.03	7,130.03	7,130.03	48.62	247.19	73.71	1,618.99	-4,385.34	6,573.27	6,287.05	286.22	22.966			
7,900.00	7,102.90	7,142.90	7,142.90	48.81	247.64	76.84	1,618.99	-4,385.34	6,538.68	6,251.95	286.73	22.804			
7,950.00	7,112.22	7,152.22	7,152.22	49.02	247.96	80.55	1,618.99	-4,385.34	6,502.66	6,215.52	287.14	22.646			
8,000.00	7,117.94	7,157.94	7,157.94	49.26	248.16	84.83	1,618.99	-4,385.34	6,465.43	6,177.97	287.46	22.491			
8,047.82	7,120.00	7,160.00	7,160.00	49.51	248.23	89.43	1,618.99	-4,385.34	6,428.89	6,141.21	287.68	22.347			
8,100.00	7,120.42	7,160.42	7,160.42	49.82	248.25	89.44	1,618.99	-4,385.34	6,388.69	6,100.80	287.88	22.192			
8,200.00	7,121.24	7,161.24	7,161.24	50.53	248.28	89.45	1,618.99	-4,385.34	6,312.12	6,023.77	288.35	21.890			
8,300.00	7,122.05	7,162.05	7,162.05	51.39	248.30	89.46	1,618.99	-4,385.34	6,236.22	5,947.29	288.93	21.584			
8,400.00	7,122.86	7,162.86	7,162.86	52.42	248.33	89.47	1,618.99	-4,385.34	6,161.01	5,871.38	289.63	21.272			
8,500.00	7,123.68	7,163.68	7,163.68	53.63	248.36	89.49	1,618.99	-4,385.34	6,086.51	5,796.07	290.45	20.956			
8,600.00	7,124.49	7,164.49	7,164.49	55.01	248.39	89.50	1,618.99	-4,385.34	6,012.75	5,721.37	291.38	20.635			
8,700.00	7,125.30	7,165.30	7,165.30	56.54	248.42	89.51	1,618.99	-4,385.34	5,939.76	5,647.32	292.44	20.311			

CC - Min centre 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-14C-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-14C-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: 100-2° Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
8,800.00	7,126.12	7,166.12	7,166.12	58.21	248.45	89.52	1,618.99	-4,385.34	5,867.57	5,573.94	293.63	19.983			
8,900.00	7,126.93	7,166.93	7,166.93	60.01	248.47	89.53	1,618.99	-4,385.34	5,796.20	5,501.27	294.93	19.653			
9,000.00	7,127.75	7,167.75	7,167.75	61.92	248.50	89.54	1,618.99	-4,385.34	5,725.69	5,429.33	296.36	19.320			
9,100.00	7,128.56	7,168.56	7,168.56	63.92	248.53	89.55	1,618.99	-4,385.34	5,656.07	5,358.17	297.90	18.987			
9,200.00	7,129.37	7,169.37	7,169.37	66.01	248.56	89.56	1,618.99	-4,385.34	5,587.37	5,287.80	299.56	18.652			
9,300.00	7,130.19	7,170.19	7,170.19	68.16	248.59	89.58	1,618.99	-4,385.34	5,519.62	5,218.28	301.34	18.317			
9,400.00	7,131.00	7,171.00	7,171.00	70.38	248.62	89.59	1,618.99	-4,385.34	5,452.87	5,149.64	303.23	17.983			
9,500.00	7,131.81	7,171.81	7,171.81	72.65	248.64	89.60	1,618.99	-4,385.34	5,387.15	5,081.92	305.23	17.649			
9,600.00	7,132.63	7,172.63	7,172.63	74.97	248.67	89.61	1,618.99	-4,385.34	5,322.49	5,015.15	307.34	17.318			
9,700.00	7,133.44	7,173.44	7,173.44	77.33	248.70	89.62	1,618.99	-4,385.34	5,258.94	4,949.39	309.56	16.989			
9,800.00	7,134.25	7,174.25	7,174.25	79.72	248.73	89.63	1,618.99	-4,385.34	5,196.54	4,884.67	311.87	16.662			
9,900.00	7,135.07	7,175.07	7,175.07	82.16	248.76	89.64	1,618.99	-4,385.34	5,135.33	4,821.04	314.29	16.339			
10,000.00	7,135.88	7,175.88	7,175.88	84.62	248.79	89.66	1,618.99	-4,385.34	5,075.35	4,758.54	316.80	16.020			
10,100.00	7,136.70	7,176.70	7,176.70	87.11	248.82	89.67	1,618.99	-4,385.34	5,016.64	4,697.23	319.41	15.706			
10,200.00	7,137.51	7,177.51	7,177.51	89.62	248.84	89.68	1,618.99	-4,385.34	4,959.26	4,637.15	322.11	15.396			
10,300.00	7,138.32	7,178.32	7,178.32	92.16	248.87	89.69	1,618.99	-4,385.34	4,903.24	4,578.35	324.89	15.092			
10,400.00	7,139.14	7,179.14	7,179.14	94.71	248.90	89.70	1,618.99	-4,385.34	4,848.65	4,520.89	327.76	14.793			
10,500.00	7,139.95	7,179.95	7,179.95	97.29	248.93	89.71	1,618.99	-4,385.34	4,795.51	4,464.80	330.71	14.501			
10,600.00	7,140.76	7,180.76	7,180.76	99.88	248.96	89.72	1,618.99	-4,385.34	4,743.89	4,410.16	333.73	14.215			
10,700.00	7,141.58	7,181.58	7,181.58	102.48	248.99	89.74	1,618.99	-4,385.34	4,693.83	4,357.00	336.82	13.936			
10,800.00	7,142.39	7,182.39	7,182.39	105.10	249.01	89.75	1,618.99	-4,385.34	4,645.38	4,305.40	339.98	13.663			
10,900.00	7,143.20	7,183.20	7,183.20	107.74	249.04	89.76	1,618.99	-4,385.34	4,598.60	4,255.39	343.21	13.399			
11,000.00	7,144.02	7,184.02	7,184.02	110.38	249.07	89.77	1,618.99	-4,385.34	4,553.53	4,207.04	346.49	13.142			
11,100.00	7,144.83	7,184.83	7,184.83	113.04	249.10	89.78	1,618.99	-4,385.34	4,510.23	4,160.41	349.83	12.893			
11,200.00	7,145.65	7,185.65	7,185.65	115.71	249.13	89.79	1,618.99	-4,385.34	4,468.75	4,115.54	353.21	12.652			
11,300.00	7,146.46	7,186.46	7,186.46	118.38	249.16	89.80	1,618.99	-4,385.34	4,429.14	4,072.51	356.63	12.419			
11,400.00	7,147.27	7,187.27	7,187.27	121.07	249.18	89.82	1,618.99	-4,385.34	4,391.45	4,031.36	360.09	12.195			
11,500.00	7,148.09	7,188.09	7,188.09	123.76	249.21	89.83	1,618.99	-4,385.34	4,355.73	3,992.15	363.58	11.980			
11,600.00	7,148.90	7,188.90	7,188.90	126.46	249.24	89.84	1,618.99	-4,385.34	4,322.02	3,954.93	367.09	11.774			
11,700.00	7,149.71	7,189.71	7,189.71	129.17	249.27	89.85	1,618.99	-4,385.34	4,290.39	3,919.77	370.62	11.576			
11,800.00	7,150.53	7,190.53	7,190.53	131.89	249.29	89.86	1,618.99	-4,385.34	4,260.86	3,886.05	374.81	11.368			
11,900.00	7,151.34	7,191.34	7,191.34	134.61	249.33	89.87	1,618.99	-4,385.34	4,233.50	3,855.21	378.29	11.191			
12,000.00	7,152.16	7,192.16	7,192.16	137.34	249.36	89.88	1,618.99	-4,385.34	4,208.33	3,826.57	381.76	11.024			
12,100.00	7,152.97	7,192.97	7,192.97	140.07	249.39	89.90	1,618.99	-4,385.34	4,185.40	3,800.18	385.21	10.865			
12,200.00	7,153.78	7,193.78	7,193.78	142.81	249.42	89.91	1,618.99	-4,385.34	4,164.74	3,776.10	388.64	10.716			
12,300.00	7,154.60	7,194.60	7,194.60	145.55	249.45	89.92	1,618.99	-4,385.34	4,146.40	3,754.35	392.04	10.576			
12,400.00	7,155.41	7,195.41	7,195.41	148.30	249.48	89.93	1,618.99	-4,385.34	4,130.39	3,734.99	395.40	10.446			
12,500.00	7,156.22	7,196.22	7,196.22	151.05	249.51	89.94	1,618.99	-4,385.34	4,116.75	3,718.03	398.72	10.325			
12,600.00	7,157.04	7,197.04	7,197.04	153.80	249.54	89.95	1,618.99	-4,385.34	4,105.50	3,703.53	401.98	10.213			
12,700.00	7,157.85	7,197.85	7,197.85	156.56	249.57	89.96	1,618.99	-4,385.34	4,096.67	3,691.50	405.17	10.111			
12,800.00	7,158.66	7,198.66	7,198.66	159.33	249.60	89.98	1,618.99	-4,385.34	4,090.26	3,681.96	408.30	10.018			
12,900.00	7,159.48	7,199.48	7,199.48	162.09	249.63	89.99	1,618.99	-4,385.34	4,086.29	3,674.94	411.35	9.934			
13,000.00	7,160.29	7,200.29	7,200.29	164.86	249.66	90.00	1,618.99	-4,385.34	4,084.76	3,670.42	414.34	9.859			
13,012.42	7,160.39	7,200.39	7,200.39	165.21	249.64	90.00	1,618.99	-4,385.34	4,084.74	3,670.03	414.70	9.850 CC			
13,100.00	7,161.11	7,201.11	7,201.11	167.64	249.67	90.01	1,618.99	-4,385.34	4,085.68	3,668.41	417.27	9.791 ES			
13,209.97	7,162.00	7,202.00	7,202.00	170.69	249.70	90.02	1,618.99	-4,385.34	4,089.51	3,669.13	420.39	9.728			
13,210.89	7,162.01	7,202.01	7,202.01	170.72	249.70	90.02	1,618.99	-4,385.34	4,089.56	3,669.15	420.41	9.728 SF			

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	163.83	-3,526.83	1,022.44	3,672.05					
100.00	100.00	79.29	79.29	3.28	3.28	163.84	-3,527.09	1,022.12	3,672.23	3,665.66	6.57	558.989		
200.00	200.00	169.45	169.44	3.34	3.32	163.85	-3,527.82	1,021.37	3,672.78	3,666.12	6.66	551.550		
300.00	299.98	291.69	291.68	3.44	3.44	12.19	-3,528.50	1,021.14	3,671.58	3,664.70	6.88	533.432		
400.00	399.84	384.94	384.93	3.59	3.58	12.23	-3,528.56	1,021.32	3,666.58	3,659.41	7.18	510.984		
500.00	499.45	491.24	491.23	3.79	3.79	12.29	-3,528.66	1,021.67	3,658.25	3,650.67	7.58	482.444		
600.00	598.70	584.75	584.74	4.04	4.01	12.37	-3,528.65	1,022.11	3,646.46	3,638.42	8.04	453.436		
700.00	697.47	686.91	686.90	4.32	4.28	12.49	-3,528.77	1,022.43	3,631.37	3,622.78	8.59	422.737		
800.00	795.62	793.11	793.10	4.64	4.59	12.63	-3,528.68	1,022.83	3,612.75	3,603.54	9.21	392.372		
900.00	893.06	898.60	898.58	5.01	4.91	12.81	-3,528.33	1,023.24	3,590.58	3,580.71	9.87	363.823		
1,000.00	989.64	982.89	982.88	5.41	5.19	13.01	-3,528.15	1,023.41	3,565.16	3,554.66	10.50	339.409		
1,100.00	1,085.27	1,074.40	1,074.38	5.85	5.50	13.24	-3,528.21	1,023.53	3,536.73	3,525.53	11.20	315.879		
1,200.00	1,179.82	1,172.34	1,172.32	6.33	5.84	13.52	-3,528.31	1,023.56	3,505.07	3,493.14	11.93	293.715		
1,300.00	1,273.17	1,260.32	1,260.30	6.84	6.15	13.83	-3,528.39	1,023.55	3,470.20	3,457.54	12.66	274.097		
1,404.90	1,369.69	1,363.35	1,363.33	7.43	6.53	14.21	-3,528.57	1,023.67	3,430.38	3,416.89	13.49	254.381		
1,500.00	1,456.50	1,452.09	1,452.08	8.00	6.86	14.38	-3,528.47	1,023.70	3,392.47	3,378.24	14.23	238.445		
1,600.00	1,547.79	1,541.75	1,541.73	8.61	7.19	14.55	-3,528.55	1,023.50	3,352.75	3,337.75	15.00	223.492		
1,700.00	1,639.07	1,632.12	1,632.11	9.23	7.53	14.73	-3,528.56	1,023.32	3,312.99	3,297.20	15.79	209.773		
1,800.00	1,730.36	1,714.50	1,714.48	9.87	7.85	14.89	-3,528.76	1,023.13	3,273.47	3,256.90	16.57	197.508		
1,900.00	1,821.64	1,804.10	1,804.08	10.52	8.20	15.08	-3,529.16	1,022.78	3,234.11	3,216.72	17.39	185.944		
2,000.00	1,912.93	1,891.21	1,891.19	11.18	8.54	15.27	-3,529.65	1,022.39	3,194.88	3,176.66	18.22	175.395		
2,100.00	2,004.21	1,997.27	1,997.25	11.84	8.96	15.51	-3,530.11	1,021.81	3,155.55	3,136.44	19.11	165.150		
2,200.00	2,095.50	2,082.61	2,082.58	12.51	9.30	15.71	-3,530.39	1,021.10	3,116.09	3,096.15	19.94	156.278		
2,300.00	2,186.78	2,182.31	2,182.27	13.19	9.70	15.96	-3,530.76	1,020.12	3,076.69	3,055.87	20.82	147.746		
2,400.00	2,278.06	2,272.11	2,272.07	13.86	10.06	16.19	-3,530.93	1,019.16	3,037.15	3,015.46	21.68	140.060		
2,500.00	2,369.35	2,361.69	2,361.65	14.55	10.43	16.42	-3,531.20	1,018.20	2,997.74	2,975.18	22.55	132.930		
2,600.00	2,460.63	2,453.16	2,453.11	15.23	10.80	16.66	-3,531.43	1,017.45	2,958.38	2,934.95	23.43	126.268		
2,700.00	2,551.92	2,547.95	2,547.90	15.92	11.19	16.91	-3,531.64	1,016.62	2,919.03	2,894.71	24.32	120.017		
2,800.00	2,643.20	2,642.57	2,642.51	16.61	11.58	17.17	-3,531.69	1,015.71	2,879.57	2,854.35	25.22	114.188		
2,900.00	2,734.49	2,735.25	2,735.19	17.30	11.97	17.44	-3,531.67	1,015.00	2,840.12	2,814.01	26.11	108.767		
3,000.00	2,825.77	2,827.17	2,827.10	18.00	12.35	17.70	-3,531.56	1,014.26	2,800.63	2,773.62	27.01	103.696		
3,100.00	2,917.06	2,912.04	2,911.98	18.69	12.70	17.96	-3,531.59	1,013.47	2,761.31	2,733.42	27.89	99.002		
3,200.00	3,008.34	2,996.17	2,996.10	19.39	13.05	18.21	-3,531.82	1,012.78	2,722.27	2,693.50	28.78	94.592		
3,300.00	3,099.63	3,089.27	3,089.20	20.09	13.45	18.50	-3,532.13	1,012.22	2,683.39	2,653.70	29.69	90.371		
3,400.00	3,190.91	3,175.02	3,174.94	20.79	13.80	18.77	-3,532.40	1,011.99	2,644.60	2,614.01	30.59	86.450		
3,500.00	3,282.20	3,265.36	3,265.29	21.49	14.18	19.05	-3,532.78	1,012.05	2,606.03	2,574.53	31.50	82.724		
3,600.00	3,373.48	3,358.92	3,358.85	22.19	14.58	19.36	-3,533.16	1,011.97	2,567.48	2,535.06	32.42	79.183		
3,700.00	3,464.77	3,447.30	3,447.23	22.89	14.95	19.65	-3,533.46	1,012.01	2,528.95	2,495.62	33.34	75.854		
3,800.00	3,556.05	3,536.84	3,536.76	23.60	15.33	19.96	-3,533.97	1,012.05	2,490.69	2,456.43	34.26	72.698		
3,900.00	3,647.34	3,630.21	3,630.13	24.30	15.72	20.30	-3,534.43	1,011.73	2,452.37	2,417.18	35.19	69.681		
4,000.00	3,738.62	3,717.09	3,717.01	25.00	16.09	20.63	-3,535.02	1,011.38	2,414.28	2,378.16	36.12	66.838		
4,100.00	3,829.91	3,815.89	3,815.81	25.71	16.51	21.00	-3,535.52	1,011.22	2,376.15	2,339.08	37.07	64.098		
4,200.00	3,921.19	3,910.59	3,910.51	26.42	16.92	21.38	-3,535.80	1,011.13	2,337.91	2,299.90	38.02	61.499		
4,300.00	4,012.48	4,001.70	4,001.62	27.12	17.31	21.74	-3,536.00	1,011.12	2,299.71	2,260.75	38.96	59.032		
4,400.00	4,103.76	4,095.03	4,094.95	27.83	17.70	22.13	-3,536.15	1,011.19	2,261.54	2,221.64	39.90	56.678		
4,500.00	4,195.05	4,186.30	4,186.21	28.54	18.08	22.51	-3,536.23	1,011.42	2,223.42	2,182.58	40.84	54.439		
4,600.00	4,286.33	4,274.89	4,274.81	29.24	18.45	22.89	-3,536.34	1,011.81	2,185.45	2,143.67	41.78	52.302		
4,700.00	4,377.62	4,366.85	4,366.77	29.95	18.83	23.31	-3,536.54	1,012.18	2,147.65	2,104.92	42.73	50.256		
4,800.00	4,468.90	4,456.66	4,456.58	30.66	19.21	23.71	-3,536.68	1,012.76	2,109.92	2,066.23	43.69	48.296		
4,900.00	4,560.19	4,545.69	4,545.61	31.37	19.58	24.14	-3,536.97	1,013.19	2,072.42	2,027.78	44.65	46.419		
5,000.00	4,651.47	4,636.61	4,636.52	32.08	19.97	24.59	-3,537.33	1,013.53	2,035.10	1,989.49	45.61	44.616		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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					
5,100.00	4,742.76	4,724.98	4,724.89	32.79	20.35	25.04	-3,537.70	1,013.91	1,997.92	1,951.33	46.59	42.886					
5,200.00	4,834.04	4,806.22	4,806.13	33.50	20.69	25.48	-3,538.38	1,014.21	1,961.24	1,913.67	47.57	41.232					
5,300.00	4,925.33	4,897.00	4,896.90	34.21	21.08	25.98	-3,539.41	1,014.33	1,924.94	1,876.38	48.56	39.643					
5,400.00	5,016.61	4,988.80	4,988.69	34.92	21.48	26.53	-3,540.49	1,014.20	1,888.81	1,839.26	49.56	38.115					
5,500.00	5,107.90	5,085.88	5,085.77	35.63	21.89	27.13	-3,541.52	1,013.85	1,852.72	1,802.16	50.56	36.643					
5,600.00	5,199.18	5,176.52	5,176.40	36.34	22.29	27.71	-3,542.33	1,013.42	1,816.64	1,765.07	51.57	35.224					
5,700.00	5,290.46	5,271.26	5,271.14	37.05	22.69	28.34	-3,543.16	1,013.20	1,780.75	1,728.15	52.59	33.859					
5,800.00	5,381.75	5,368.33	5,368.20	37.76	23.11	29.00	-3,543.74	1,013.17	1,744.78	1,691.17	53.61	32.543					
5,900.00	5,473.03	5,466.90	5,466.77	38.47	23.53	29.71	-3,543.98	1,013.10	1,708.68	1,654.05	54.64	31.273					
6,000.00	5,564.32	5,554.79	5,554.66	39.18	23.91	30.37	-3,543.98	1,012.84	1,672.59	1,616.91	55.68	30.039					
6,100.00	5,655.60	5,646.23	5,646.10	39.90	24.29	31.08	-3,544.31	1,012.68	1,637.04	1,580.31	56.73	28.859					
6,200.00	5,746.89	5,742.07	5,741.95	40.61	24.70	31.86	-3,544.30	1,012.72	1,601.38	1,543.61	57.77	27.721					
6,300.00	5,838.17	5,830.67	5,830.55	41.32	25.07	32.59	-3,544.31	1,013.00	1,565.99	1,507.16	58.83	26.618					
6,400.00	5,929.46	5,920.58	5,920.45	42.03	25.45	33.37	-3,544.51	1,013.25	1,531.06	1,471.15	59.91	25.555					
6,500.00	6,020.74	6,016.01	6,015.89	42.74	25.85	34.24	-3,544.51	1,013.33	1,496.22	1,435.23	60.99	24.532					
6,600.00	6,112.03	6,101.53	6,101.40	43.46	26.20	35.06	-3,544.63	1,013.47	1,461.81	1,399.71	62.10	23.538					
6,700.00	6,203.31	6,199.30	6,199.17	44.17	26.62	36.03	-3,544.73	1,013.65	1,427.70	1,364.49	63.20	22.589					
6,800.00	6,294.60	6,292.39	6,292.26	44.88	27.00	36.99	-3,544.57	1,013.89	1,393.68	1,329.35	64.33	21.666					
6,900.00	6,385.88	6,387.24	6,387.11	45.59	27.40	38.03	-3,544.23	1,014.15	1,359.86	1,294.40	65.46	20.775					
6,927.91	6,411.36	6,412.57	6,412.44	45.79	27.50	38.32	-3,544.09	1,014.16	1,350.45	1,284.67	65.78	20.530					
6,950.00	6,431.59	6,431.86	6,431.73	45.95	27.58	33.69	-3,544.00	1,014.17	1,342.96	1,276.93	66.03	20.338					
7,000.00	6,477.77	6,475.95	6,475.82	46.27	27.76	22.08	-3,543.84	1,014.25	1,325.61	1,259.05	66.57	19.914					
7,050.00	6,524.26	6,521.57	6,521.44	46.56	27.95	9.31	-3,543.74	1,014.36	1,307.72	1,240.68	67.04	19.507					
7,100.00	6,570.76	6,568.60	6,568.47	46.81	28.15	-3.76	-3,543.62	1,014.42	1,289.28	1,221.83	67.45	19.115					
7,150.00	6,617.00	6,616.74	6,616.61	47.02	28.35	-16.25	-3,543.46	1,014.42	1,270.39	1,202.59	67.80	18.737					
7,200.00	6,662.68	6,667.02	6,666.89	47.20	28.56	-27.62	-3,543.14	1,014.41	1,251.08	1,182.99	68.09	18.375					
7,250.00	6,707.53	6,715.09	6,714.96	47.34	28.76	-37.68	-3,542.66	1,014.41	1,231.51	1,163.18	68.33	18.023					
7,300.00	6,751.28	6,759.64	6,759.51	47.47	28.94	-46.47	-3,542.16	1,014.44	1,212.02	1,143.48	68.54	17.684					
7,350.00	6,793.64	6,802.74	6,802.60	47.57	29.12	-54.19	-3,541.64	1,014.49	1,192.89	1,124.18	68.71	17.361					
7,400.00	6,834.35	6,842.70	6,842.56	47.66	29.29	-60.97	-3,541.15	1,014.61	1,174.46	1,105.60	68.86	17.056					
7,450.00	6,873.18	6,919.52	6,880.34	47.75	29.61	-66.97	-3,540.72	1,014.81	1,157.08	1,087.94	69.14	16.734					
7,500.00	6,909.88	6,916.76	6,916.61	47.83	29.60	-72.30	-3,540.32	1,015.12	1,141.14	1,072.07	69.07	16.521					
7,550.00	6,944.21	6,950.66	6,950.51	47.91	29.74	-76.99	-3,539.95	1,015.40	1,126.98	1,057.84	69.15	16.298					
7,600.00	6,975.98	6,981.98	6,981.83	47.99	29.87	-81.06	-3,539.61	1,015.67	1,115.00	1,045.79	69.21	16.110					
7,650.00	7,004.98	7,010.53	7,010.37	48.09	29.99	-84.54	-3,539.30	1,015.91	1,105.57	1,036.29	69.27	15.959					
7,700.00	7,031.04	7,036.12	7,035.96	48.20	30.10	-87.42	-3,539.02	1,016.13	1,099.02	1,029.68	69.34	15.849					
7,750.00	7,053.99	7,058.61	7,058.45	48.32	30.19	-89.71	-3,538.77	1,016.32	1,095.68	1,026.26	69.42	15.783					
7,773.74	7,063.76	7,068.16	7,068.00	48.39	30.23	-90.58	-3,538.67	1,016.40	1,095.28	1,025.81	69.47	15.766	CC, ES				
7,800.00	7,073.70	7,077.85	7,077.69	48.46	30.27	-91.40	-3,538.56	1,016.48	1,095.77	1,026.25	69.52	15.762	SF				
7,850.00	7,090.03	7,093.72	7,093.56	48.62	30.34	-92.48	-3,538.39	1,016.61	1,099.48	1,029.84	69.65	15.786					
7,900.00	7,102.90	7,106.13	7,105.96	48.81	30.39	-92.95	-3,538.25	1,016.72	1,106.90	1,037.09	69.80	15.858					
7,950.00	7,112.22	7,115.00	7,114.83	49.02	30.43	-92.80	-3,538.16	1,016.79	1,118.01	1,048.02	69.99	15.975					
8,000.00	7,117.94	7,120.27	7,120.11	49.26	30.45	-92.00	-3,538.10	1,016.84	1,132.73	1,062.53	70.20	16.137					
8,047.82	7,120.00	7,121.92	7,121.76	49.51	30.46	-90.62	-3,538.08	1,016.85	1,150.01	1,079.60	70.42	16.332					
8,100.00	7,120.42	7,121.91	7,121.74	49.82	30.46	-90.62	-3,538.08	1,016.85	1,171.50	1,100.82	70.68	16.574					
8,200.00	7,121.24	7,121.88	7,121.71	50.53	30.46	-90.62	-3,538.08	1,016.85	1,217.87	1,146.60	71.27	17.088					
8,300.00	7,122.05	7,121.85	7,121.68	51.39	30.46	-90.62	-3,538.08	1,016.85	1,270.44	1,198.52	71.92	17.664					
8,400.00	7,122.86	7,121.82	7,121.65	52.42	30.46	-90.61	-3,538.08	1,016.85	1,328.46	1,255.87	72.59	18.300					
8,500.00	7,123.68	7,121.79	7,121.63	53.63	30.45	-90.61	-3,538.08	1,016.85	1,391.26	1,318.00	73.26	18.990					
8,600.00	7,124.49	7,121.76	7,121.60	55.01	30.45	-90.61	-3,538.08	1,016.85	1,458.22	1,384.32	73.90	19.732					

CC - Min centre 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-14C-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-14C-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					
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	(ft)						
8,700.00	7,125.30	7,121.74	7,121.57	56.54	30.45	-90.61	-3,538.08	1,016.85	1,528.79	1,454.29	74.51	20.519					
8,800.00	7,126.12	7,121.71	7,121.54	58.21	30.45	-90.61	-3,538.08	1,016.85	1,602.50	1,527.43	75.07	21.346					
8,900.00	7,126.93	7,121.68	7,121.51	60.01	30.45	-90.61	-3,538.08	1,016.85	1,678.93	1,603.34	75.59	22.211					
9,000.00	7,127.75	7,121.65	7,121.48	61.92	30.45	-90.60	-3,538.08	1,016.85	1,757.73	1,681.66	76.07	23.107					
9,100.00	7,128.56	7,121.62	7,121.45	63.92	30.45	-90.60	-3,538.09	1,016.85	1,838.59	1,762.09	76.50	24.033					
9,200.00	7,129.37	7,121.59	7,121.42	66.01	30.45	-90.60	-3,538.09	1,016.85	1,921.25	1,844.35	76.90	24.983					
9,300.00	7,130.19	7,121.56	7,121.39	68.16	30.45	-90.60	-3,538.09	1,016.85	2,005.50	1,928.23	77.27	25.956					
9,400.00	7,131.00	7,121.53	7,121.36	70.38	30.45	-90.60	-3,538.09	1,016.85	2,091.13	2,013.53	77.60	26.948					
9,500.00	7,131.81	7,121.50	7,121.34	72.65	30.45	-90.60	-3,538.09	1,016.85	2,177.99	2,100.08	77.90	27.958					
9,600.00	7,132.63	7,121.48	7,121.31	74.97	30.45	-90.60	-3,538.09	1,016.85	2,265.93	2,187.75	78.18	28.984					
9,700.00	7,133.44	7,121.45	7,121.28	77.33	30.45	-90.59	-3,538.09	1,016.85	2,354.83	2,276.39	78.43	30.023					
9,800.00	7,134.25	7,121.42	7,121.25	79.72	30.45	-90.59	-3,538.09	1,016.85	2,444.59	2,365.92	78.67	31.074					
9,900.00	7,135.07	7,121.39	7,121.22	82.16	30.45	-90.59	-3,538.09	1,016.85	2,535.12	2,456.23	78.89	32.137					
10,000.00	7,135.88	7,121.36	7,121.19	84.62	30.45	-90.59	-3,538.09	1,016.85	2,626.33	2,547.25	79.09	33.209					
10,100.00	7,136.70	7,121.33	7,121.16	87.11	30.45	-90.59	-3,538.09	1,016.85	2,718.17	2,638.89	79.27	34.289					
10,200.00	7,137.51	7,121.30	7,121.13	89.62	30.45	-90.59	-3,538.09	1,016.85	2,810.56	2,731.11	79.44	35.377					
10,300.00	7,138.32	7,121.27	7,121.10	92.16	30.45	-90.58	-3,538.09	1,016.85	2,903.45	2,823.84	79.61	36.473					
10,400.00	7,139.14	7,121.24	7,121.08	94.71	30.45	-90.58	-3,538.09	1,016.85	2,996.80	2,917.05	79.76	37.574					
10,500.00	7,139.95	7,121.22	7,121.05	97.29	30.45	-90.58	-3,538.09	1,016.84	3,090.57	3,010.67	79.90	38.681					
10,600.00	7,140.76	7,121.19	7,121.02	99.88	30.45	-90.58	-3,538.09	1,016.84	3,184.72	3,104.69	80.03	39.793					
10,700.00	7,141.58	7,121.16	7,120.99	102.48	30.45	-90.58	-3,538.09	1,016.84	3,279.21	3,199.05	80.16	40.909					
10,800.00	7,142.39	7,121.13	7,120.96	105.10	30.45	-90.58	-3,538.09	1,016.84	3,374.02	3,293.75	80.28	42.029					
10,900.00	7,143.20	7,121.10	7,120.93	107.74	30.45	-90.57	-3,538.09	1,016.84	3,469.13	3,388.73	80.39	43.153					
11,000.00	7,144.02	7,121.07	7,120.90	110.38	30.45	-90.57	-3,538.09	1,016.84	3,564.50	3,484.00	80.50	44.280					
11,100.00	7,144.83	7,121.04	7,120.87	113.04	30.45	-90.57	-3,538.09	1,016.84	3,660.11	3,579.51	80.60	45.410					
11,200.00	7,145.65	7,121.01	7,120.84	115.71	30.45	-90.57	-3,538.09	1,016.84	3,755.96	3,675.26	80.70	46.542					
11,300.00	7,146.46	7,120.98	7,120.82	118.38	30.45	-90.57	-3,538.09	1,016.84	3,852.02	3,771.22	80.79	47.677					
11,400.00	7,147.27	7,120.96	7,120.79	121.07	30.45	-90.57	-3,538.09	1,016.84	3,948.27	3,867.39	80.88	48.814					
11,500.00	7,148.09	7,120.93	7,120.76	123.76	30.45	-90.57	-3,538.09	1,016.84	4,044.70	3,963.73	80.97	49.952					
11,600.00	7,148.90	7,120.90	7,120.73	126.46	30.45	-90.56	-3,538.09	1,016.84	4,141.31	4,060.25	81.06	51.092					
11,700.00	7,149.71	7,120.87	7,120.70	129.17	30.45	-90.56	-3,538.09	1,016.84	4,238.07	4,156.93	81.14	52.233					
11,800.00	7,150.53	7,120.84	7,120.67	131.89	30.45	-90.56	-3,538.09	1,016.84	4,334.98	4,253.76	81.22	53.375					
11,900.00	7,151.34	7,120.81	7,120.64	134.61	30.45	-90.56	-3,538.09	1,016.84	4,432.02	4,350.73	81.29	54.518					
12,000.00	7,152.16	7,120.78	7,120.61	137.34	30.45	-90.56	-3,538.09	1,016.84	4,529.20	4,447.83	81.37	55.662					
12,100.00	7,152.97	7,120.75	7,120.58	140.07	30.45	-90.56	-3,538.09	1,016.84	4,626.49	4,545.05	81.44	56.806					
12,200.00	7,153.78	7,120.72	7,120.56	142.81	30.45	-90.55	-3,538.09	1,016.84	4,723.90	4,642.39	81.51	57.952					
12,300.00	7,154.60	7,120.70	7,120.53	145.55	30.45	-90.55	-3,538.10	1,016.84	4,821.42	4,739.83	81.58	59.097					
12,400.00	7,155.41	7,120.67	7,120.50	148.30	30.45	-90.55	-3,538.10	1,016.84	4,919.03	4,837.37	81.65	60.242					
12,500.00	7,156.22	7,120.64	7,120.47	151.05	30.45	-90.55	-3,538.10	1,016.84	5,016.74	4,935.01	81.72	61.388					
12,600.00	7,157.04	7,120.61	7,120.44	153.80	30.45	-90.55	-3,538.10	1,016.84	5,114.53	5,032.74	81.79	62.534					
12,700.00	7,157.85	7,120.58	7,120.41	156.56	30.45	-90.55	-3,538.10	1,016.84	5,212.41	5,130.56	81.85	63.679					
12,800.00	7,158.66	7,120.55	7,120.38	159.33	30.45	-90.55	-3,538.10	1,016.84	5,310.37	5,228.45	81.92	64.825					
12,900.00	7,159.48	7,120.52	7,120.35	162.09	30.45	-90.54	-3,538.10	1,016.84	5,408.41	5,326.42	81.98	65.970					
13,000.00	7,160.29	7,120.49	7,120.32	164.86	30.45	-90.54	-3,538.10	1,016.84	5,506.51	5,424.46	82.05	67.115					
13,100.00	7,161.11	7,120.46	7,120.30	167.64	30.45	-90.54	-3,538.10	1,016.84	5,604.68	5,522.57	82.11	68.259					
13,209.97	7,162.00	7,120.43	7,120.26	170.69	30.45	-90.54	-3,538.10	1,016.84	5,712.71	5,630.54	82.18	69.517					
13,210.89	7,162.01	7,120.43	7,120.26	170.72	30.45	-90.54	-3,538.10	1,016.84	5,713.61	5,631.44	82.18	69.527					

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	136.00	-1,021.13	986.18	1,420.06					
100.00	100.00	69.13	69.13	3.28	3.28	136.00	-1,021.08	986.06	1,419.49	1,412.92	6.57	216.118		
200.00	200.00	173.33	173.33	3.34	3.32	136.01	-1,020.79	985.54	1,418.94	1,412.28	6.66	213.062		
300.00	299.98	271.37	271.36	3.44	3.41	-15.70	-1,020.43	985.02	1,416.63	1,409.77	6.86	206.643		
400.00	399.84	373.52	373.52	3.59	3.56	-15.78	-1,020.11	984.55	1,411.05	1,403.89	7.16	197.201		
500.00	499.45	475.63	475.62	3.79	3.75	-15.93	-1,019.61	983.90	1,401.87	1,394.32	7.55	185.699		
600.00	598.70	574.81	574.80	4.04	3.98	-16.13	-1,019.03	983.24	1,389.27	1,381.25	8.02	173.304		
700.00	697.47	674.88	674.86	4.32	4.24	-16.40	-1,018.48	982.50	1,373.34	1,364.79	8.55	160.561		
800.00	795.62	775.03	775.01	4.64	4.52	-16.74	-1,017.93	981.55	1,353.99	1,344.84	9.15	148.008		
900.00	893.06	871.66	871.63	5.01	4.82	-17.13	-1,017.39	980.53	1,331.31	1,321.53	9.78	136.120		
1,000.00	989.64	968.83	968.80	5.41	5.13	-17.62	-1,016.86	979.55	1,305.47	1,295.01	10.46	124.861		
1,100.00	1,085.27	1,063.92	1,063.87	5.85	5.45	-18.18	-1,016.40	978.43	1,276.40	1,265.24	11.16	114.385		
1,200.00	1,179.82	1,157.00	1,156.95	6.33	5.77	-18.84	-1,015.95	977.44	1,244.31	1,232.42	11.89	104.679		
1,300.00	1,273.17	1,251.11	1,251.06	6.84	6.11	-19.63	-1,015.37	976.61	1,209.24	1,196.59	12.65	95.623		
1,404.90	1,369.69	1,348.18	1,348.12	7.43	6.47	-20.61	-1,014.66	975.63	1,169.11	1,155.64	13.46	86.834		
1,500.00	1,456.50	1,433.83	1,433.76	8.00	6.79	-21.27	-1,014.13	974.73	1,131.39	1,117.17	14.21	79.594		
1,600.00	1,547.79	1,523.86	1,523.78	8.61	7.13	-22.03	-1,013.52	973.90	1,091.93	1,076.92	15.02	72.708		
1,700.00	1,639.07	1,613.41	1,613.33	9.23	7.47	-22.84	-1,012.91	973.20	1,052.77	1,036.93	15.84	66.460		
1,800.00	1,730.36	1,704.42	1,704.34	9.87	7.82	-23.71	-1,012.52	972.37	1,013.85	997.16	16.68	60.765		
1,900.00	1,821.64	1,796.98	1,796.89	10.52	8.18	-24.65	-1,012.14	971.40	975.06	957.52	17.55	55.563		
2,000.00	1,912.93	1,881.21	1,881.12	11.18	8.52	-25.59	-1,011.82	970.78	936.76	918.35	18.41	50.870		
2,100.00	2,004.21	1,969.33	1,969.24	11.84	8.87	-26.65	-1,011.86	970.49	899.27	879.97	19.31	46.582		
2,200.00	2,095.50	2,059.21	2,059.12	12.51	9.22	-27.78	-1,012.31	970.13	862.28	842.07	20.21	42.659		
2,300.00	2,186.78	2,149.49	2,149.39	13.19	9.58	-29.01	-1,012.95	969.79	825.77	804.63	21.14	39.063		
2,400.00	2,278.06	2,241.06	2,240.96	13.86	9.95	-30.37	-1,013.56	969.59	789.74	767.65	22.08	35.760		
2,500.00	2,369.35	2,333.60	2,333.49	14.55	10.32	-31.86	-1,014.28	969.17	754.01	730.96	23.05	32.713		
2,600.00	2,460.63	2,424.66	2,424.55	15.23	10.69	-33.45	-1,015.02	968.69	718.74	694.71	24.03	29.904		
2,700.00	2,551.92	2,514.92	2,514.81	15.92	11.06	-35.20	-1,015.74	968.38	684.19	659.14	25.04	27.319		
2,800.00	2,643.20	2,606.62	2,606.50	16.61	11.44	-37.15	-1,016.46	968.15	650.35	624.27	26.08	24.938		
2,900.00	2,734.49	2,697.57	2,697.45	17.30	11.81	-39.27	-1,017.25	967.91	617.33	590.19	27.14	22.743		
3,000.00	2,825.77	2,789.03	2,788.91	18.00	12.18	-41.63	-1,018.02	967.73	585.26	557.02	28.24	20.724		
3,100.00	2,917.06	2,879.65	2,879.52	18.69	12.56	-44.23	-1,018.70	967.66	554.33	524.96	29.38	18.870		
3,200.00	3,008.34	2,971.26	2,971.13	19.39	12.93	-47.12	-1,019.52	967.65	524.77	494.22	30.55	17.177		
3,300.00	3,099.63	3,063.54	3,063.40	20.09	13.32	-50.35	-1,020.31	967.57	496.62	464.85	31.76	15.634		
3,400.00	3,190.91	3,155.70	3,155.56	20.79	13.70	-53.91	-1,021.09	967.35	470.07	437.05	33.02	14.235		
3,500.00	3,282.20	3,247.18	3,247.04	21.49	14.08	-57.83	-1,021.65	967.10	445.53	411.21	34.32	12.980		
3,600.00	3,373.48	3,338.29	3,338.14	22.19	14.46	-62.10	-1,022.32	966.89	423.49	387.83	35.66	11.876		
3,700.00	3,464.77	3,429.20	3,429.05	22.89	14.84	-66.67	-1,023.42	966.78	404.35	367.34	37.01	10.926		
3,800.00	3,556.05	3,520.09	3,519.91	23.60	15.22	-71.46	-1,025.50	966.99	388.56	350.21	38.35	10.132		
3,900.00	3,647.34	3,611.52	3,611.30	24.30	15.60	-76.49	-1,028.29	967.57	376.35	336.69	39.66	9.490		
4,000.00	3,738.62	3,703.89	3,703.62	25.00	15.99	-81.77	-1,031.29	968.33	367.79	326.88	40.91	8.991		
4,100.00	3,829.91	3,796.47	3,796.15	25.71	16.38	-87.25	-1,034.23	969.08	363.02	320.94	42.08	8.627		
4,171.01	3,894.73	3,862.19	3,861.84	26.21	16.65	-91.20	-1,036.20	969.55	362.02	319.17	42.85	8.449 CC		
4,200.00	3,921.19	3,888.97	3,888.61	26.42	16.76	-92.83	-1,036.95	969.71	362.19	319.04	43.15	8.395 ES		
4,300.00	4,012.48	3,981.84	3,981.44	27.12	17.15	-98.43	-1,039.52	970.17	365.32	321.22	44.10	8.285 SF		
4,400.00	4,103.76	4,073.59	4,073.16	27.83	17.54	-103.85	-1,042.01	970.54	372.38	327.45	44.92	8.289		
4,500.00	4,195.05	4,165.51	4,165.05	28.54	17.93	-109.09	-1,044.28	970.91	383.35	337.70	45.65	8.398		
4,600.00	4,286.33	4,257.11	4,256.62	29.24	18.31	-114.04	-1,046.36	971.18	397.88	351.59	46.29	8.595		
4,700.00	4,377.62	4,348.64	4,348.13	29.95	18.70	-118.66	-1,048.28	971.48	415.71	368.84	46.88	8.868		
4,800.00	4,468.90	4,440.52	4,440.00	30.66	19.09	-122.97	-1,050.02	971.62	436.41	388.97	47.43	9.200		
4,900.00	4,560.19	4,532.81	4,532.27	31.37	19.47	-126.96	-1,051.66	971.47	459.51	411.52	47.99	9.576		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (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	4,651.47	4,624.93	4,624.37	32.08	19.86	-130.60	-1,053.37	971.21	484.63	436.09	48.54	9.984		
5,100.00	4,742.76	4,715.64	4,715.08	32.79	20.25	-133.84	-1,054.96	971.00	511.66	462.57	49.09	10.422		
5,200.00	4,834.04	4,805.62	4,805.04	33.50	20.63	-136.75	-1,056.31	971.01	540.52	490.86	49.66	10.885		
5,300.00	4,925.33	4,896.10	4,895.51	34.21	21.01	-139.36	-1,057.47	971.34	570.92	520.66	50.26	11.359		
5,400.00	5,016.61	4,985.50	4,984.91	34.92	21.38	-141.70	-1,058.35	971.75	602.67	551.80	50.87	11.847		
5,500.00	5,107.90	5,077.85	5,077.26	35.63	21.78	-143.91	-1,059.05	971.88	635.52	583.97	51.55	12.329		
5,600.00	5,199.18	5,167.42	5,166.82	36.34	22.15	-145.88	-1,059.73	971.78	669.16	616.96	52.20	12.819		
5,700.00	5,290.46	5,257.00	5,256.40	37.05	22.53	-147.66	-1,060.06	971.76	703.84	650.96	52.88	13.310		
5,800.00	5,381.75	5,348.18	5,347.58	37.76	22.92	-149.33	-1,060.27	971.60	739.26	685.65	53.60	13.792		
5,900.00	5,473.03	5,438.11	5,437.51	38.47	23.30	-150.85	-1,060.48	971.14	775.19	720.87	54.32	14.271		
6,000.00	5,564.32	5,525.46	5,524.86	39.18	23.67	-152.22	-1,060.33	970.41	811.97	756.97	55.01	14.761		
6,100.00	5,655.60	5,613.66	5,613.05	39.90	24.04	-153.50	-1,059.85	969.64	849.52	793.80	55.72	15.245		
6,200.00	5,746.89	5,701.73	5,701.11	40.61	24.42	-154.67	-1,059.08	968.83	887.73	831.28	56.45	15.726		
6,300.00	5,838.17	5,793.43	5,792.81	41.32	24.80	-155.79	-1,058.18	968.07	926.36	869.10	57.25	16.180		
6,400.00	5,929.46	5,883.77	5,883.14	42.03	25.19	-156.80	-1,057.31	967.49	965.23	907.18	58.04	16.629		
6,500.00	6,020.74	5,975.74	5,975.10	42.74	25.58	-157.74	-1,056.43	966.92	1,004.33	945.45	58.87	17.060		
6,600.00	6,112.03	6,058.74	6,058.10	43.46	25.93	-158.54	-1,055.49	966.38	1,043.81	984.24	59.56	17.524		
6,700.00	6,203.31	6,142.20	6,141.54	44.17	26.28	-159.28	-1,053.75	965.81	1,084.32	1,024.05	60.27	17.991		
6,800.00	6,294.60	6,227.81	6,227.12	44.88	26.64	-159.99	-1,051.70	965.08	1,125.32	1,064.30	61.02	18.442		
6,900.00	6,385.88	6,309.90	6,309.16	45.59	26.99	-160.62	-1,049.15	964.38	1,167.09	1,105.37	61.72	18.910		
6,927.91	6,411.36	6,335.91	6,335.16	45.79	27.10	-160.81	-1,048.27	964.23	1,178.83	1,116.86	61.97	19.024		
6,950.00	6,431.59	6,356.60	6,355.84	45.95	27.19	-165.97	-1,047.57	964.17	1,188.07	1,125.91	62.16	19.112		
7,000.00	6,477.77	6,404.56	6,403.78	46.27	27.39	-178.42	-1,045.96	964.22	1,208.55	1,145.92	62.63	19.296		
7,050.00	6,524.26	6,460.61	6,459.80	46.56	27.63	-168.55	-1,044.35	964.49	1,228.14	1,164.91	63.23	19.424		
7,100.00	6,570.76	6,517.54	6,516.71	46.81	27.87	-155.83	-1,043.17	964.89	1,246.59	1,182.75	63.84	19.527		
7,150.00	6,617.00	6,575.69	6,574.86	47.02	28.11	-144.29	-1,042.51	965.36	1,263.79	1,199.32	64.47	19.602		
7,200.00	6,662.68	6,629.67	6,628.83	47.20	28.34	-134.40	-1,042.38	965.79	1,279.75	1,214.70	65.05	19.673		
7,250.00	6,707.53	6,680.20	6,679.36	47.34	28.56	-126.28	-1,042.54	966.01	1,294.67	1,229.08	65.60	19.737		
7,300.00	6,751.28	6,726.72	6,725.89	47.47	28.75	-119.74	-1,042.89	966.04	1,308.64	1,242.53	66.11	19.794		
7,350.00	6,793.64	6,769.91	6,769.08	47.57	28.94	-114.52	-1,043.26	966.00	1,321.86	1,255.24	66.62	19.842		
7,400.00	6,834.35	6,812.20	6,811.36	47.66	29.12	-110.42	-1,043.65	965.92	1,334.41	1,267.26	67.15	19.871		
7,450.00	6,873.18	6,854.37	6,853.53	47.75	29.30	-107.23	-1,044.13	965.78	1,346.35	1,278.62	67.74	19.876		
7,500.00	6,909.88	6,894.40	6,893.55	47.83	29.47	-104.73	-1,044.67	965.60	1,357.79	1,289.44	68.35	19.865		
7,550.00	6,944.21	6,929.11	6,928.26	47.91	29.61	-102.65	-1,045.20	965.42	1,368.89	1,299.93	68.96	19.850		
7,600.00	6,975.98	6,960.79	6,959.94	47.99	29.75	-100.95	-1,045.66	965.24	1,379.83	1,310.22	69.61	19.823		
7,650.00	7,004.98	6,989.76	6,988.90	48.09	29.87	-99.52	-1,046.08	965.07	1,390.74	1,320.44	70.30	19.784		
7,700.00	7,031.04	7,016.24	7,015.38	48.20	29.98	-98.31	-1,046.45	964.91	1,401.71	1,330.67	71.03	19.733		
7,750.00	7,053.99	7,039.82	7,038.95	48.32	30.09	-97.23	-1,046.79	964.78	1,412.84	1,341.03	71.82	19.673		
7,800.00	7,073.70	7,060.08	7,059.21	48.46	30.17	-96.22	-1,047.09	964.67	1,424.22	1,351.59	72.63	19.608		
7,850.00	7,090.03	7,076.90	7,076.03	48.62	30.24	-95.23	-1,047.33	964.59	1,435.92	1,362.44	73.48	19.541		
7,900.00	7,102.90	7,090.18	7,089.31	48.81	30.30	-94.24	-1,047.53	964.52	1,447.97	1,373.62	74.35	19.475		
7,950.00	7,112.22	7,099.85	7,098.98	49.02	30.34	-93.21	-1,047.67	964.48	1,460.39	1,385.16	75.23	19.412		
8,000.00	7,117.94	7,105.86	7,104.99	49.26	30.37	-92.13	-1,047.76	964.45	1,473.16	1,397.05	76.11	19.356		
8,047.82	7,120.00	7,108.15	7,107.28	49.51	30.38	-91.06	-1,047.80	964.44	1,485.67	1,408.73	76.94	19.310		
8,100.00	7,120.42	7,108.80	7,107.93	49.82	30.38	-91.08	-1,047.81	964.44	1,500.30	1,422.47	77.83	19.277		
8,200.00	7,121.24	7,110.05	7,109.17	50.53	30.38	-91.13	-1,047.83	964.44	1,532.91	1,453.39	79.52	19.276		
8,300.00	7,122.05	7,111.27	7,110.40	51.39	30.39	-91.18	-1,047.85	964.43	1,571.22	1,490.07	81.15	19.361		
8,400.00	7,122.86	7,112.53	7,111.66	52.42	30.39	-91.23	-1,047.86	964.42	1,614.82	1,532.13	82.69	19.528		
8,500.00	7,123.68	7,113.79	7,112.91	53.63	30.40	-91.28	-1,047.88	964.42	1,663.30	1,579.17	84.13	19.772		
8,600.00	7,124.49	7,115.04	7,114.17	55.01	30.41	-91.33	-1,047.90	964.41	1,716.24	1,630.80	85.44	20.087		

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-14C-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-14C-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)			
8,700.00	7,125.30	7,116.30	7,115.43	56.54	30.41	91.38	-1,047.92	964.41	1,773.24	1,686.61	86.63	20.469		
8,800.00	7,126.12	7,117.56	7,116.68	58.21	30.42	91.43	-1,047.94	964.40	1,833.93	1,746.22	87.70	20.910		
8,900.00	7,126.93	7,118.81	7,117.94	60.01	30.42	91.48	-1,047.96	964.40	1,897.94	1,809.28	88.67	21.405		
9,000.00	7,127.75	7,120.07	7,119.20	61.92	30.43	91.54	-1,047.98	964.39	1,964.97	1,875.44	89.53	21.949		
9,100.00	7,128.56	7,121.33	7,120.45	63.92	30.43	91.59	-1,048.00	964.38	2,034.70	1,944.41	90.29	22.535		
9,200.00	7,129.37	7,122.58	7,121.71	66.01	30.44	91.64	-1,048.02	964.38	2,106.86	2,015.90	90.97	23.161		
9,300.00	7,130.19	7,123.84	7,122.97	68.16	30.44	91.69	-1,048.03	964.37	2,181.23	2,089.66	91.57	23.821		
9,400.00	7,131.00	7,125.10	7,124.23	70.38	30.45	91.74	-1,048.05	964.37	2,257.58	2,165.48	92.10	24.512		
9,500.00	7,131.81	7,126.36	7,125.48	72.65	30.45	91.79	-1,048.07	964.36	2,335.71	2,243.14	92.57	25.231		
9,600.00	7,132.63	7,127.61	7,126.74	74.97	30.46	91.84	-1,048.09	964.36	2,415.45	2,322.46	92.99	25.975		
9,700.00	7,133.44	7,128.87	7,128.00	77.33	30.46	91.89	-1,048.11	964.35	2,496.66	2,403.29	93.36	26.742		
9,800.00	7,134.25	7,130.13	7,129.25	79.72	30.47	91.94	-1,048.13	964.34	2,579.18	2,485.49	93.69	27.529		
9,900.00	7,135.07	7,131.39	7,130.51	82.16	30.47	91.99	-1,048.15	964.34	2,662.90	2,568.92	93.98	28.334		
10,000.00	7,135.88	7,132.64	7,131.77	84.62	30.48	92.04	-1,048.17	964.33	2,747.71	2,653.46	94.24	29.156		
10,100.00	7,136.70	7,133.90	7,133.03	87.11	30.49	92.09	-1,048.19	964.33	2,833.51	2,739.03	94.48	29.992		
10,200.00	7,137.51	7,135.16	7,134.28	89.62	30.49	92.14	-1,048.20	964.32	2,920.21	2,825.53	94.68	30.842		
10,300.00	7,138.32	7,136.42	7,135.54	92.16	30.50	92.19	-1,048.22	964.32	3,007.74	2,912.87	94.87	31.704		
10,400.00	7,139.14	7,137.67	7,136.80	94.71	30.50	92.24	-1,048.24	964.31	3,096.02	3,000.98	95.04	32.578		
10,500.00	7,139.95	7,138.93	7,138.05	97.29	30.51	92.29	-1,048.26	964.31	3,184.99	3,089.81	95.18	33.461		
10,600.00	7,140.76	7,140.19	7,139.31	99.88	30.51	92.34	-1,048.28	964.30	3,274.60	3,179.28	95.32	34.354		
10,700.00	7,141.58	7,141.44	7,140.57	102.48	30.52	92.39	-1,048.30	964.29	3,364.80	3,269.36	95.44	35.255		
10,800.00	7,142.39	7,142.70	7,141.83	105.10	30.52	92.44	-1,048.32	964.29	3,455.53	3,359.98	95.55	36.164		
10,900.00	7,143.20	7,143.96	7,143.08	107.74	30.53	92.49	-1,048.34	964.28	3,546.77	3,451.11	95.65	37.080		
11,000.00	7,144.02	7,145.22	7,144.34	110.38	30.53	92.54	-1,048.35	964.28	3,638.46	3,542.72	95.74	38.002		
11,100.00	7,144.83	7,146.48	7,145.60	113.04	30.54	92.59	-1,048.37	964.27	3,730.58	3,634.75	95.83	38.930		
11,200.00	7,145.65	7,147.73	7,146.86	115.71	30.54	92.64	-1,048.39	964.27	3,823.09	3,727.19	95.90	39.864		
11,300.00	7,146.46	7,148.99	7,148.11	118.38	30.55	92.69	-1,048.41	964.26	3,915.98	3,820.00	95.98	40.802		
11,400.00	7,147.27	7,150.25	7,149.37	121.07	30.56	92.74	-1,048.43	964.25	4,009.20	3,913.16	96.04	41.745		
11,500.00	7,148.09	7,151.51	7,150.63	123.76	30.56	92.79	-1,048.45	964.25	4,102.74	4,006.64	96.10	42.692		
11,600.00	7,148.90	7,152.76	7,151.89	126.46	30.57	92.84	-1,048.47	964.24	4,196.59	4,100.43	96.16	43.643		
11,700.00	7,149.71	7,154.02	7,153.14	129.17	30.57	92.89	-1,048.49	964.24	4,290.70	4,194.50	96.21	44.598		
11,800.00	7,150.53	7,155.28	7,154.40	131.89	30.58	92.94	-1,048.51	964.23	4,385.08	4,288.82	96.26	45.555		
11,900.00	7,151.34	7,156.54	7,155.66	134.61	30.58	92.99	-1,048.52	964.23	4,479.71	4,383.40	96.30	46.516		
12,000.00	7,152.16	7,157.79	7,156.92	137.34	30.59	93.04	-1,048.54	964.22	4,574.56	4,478.21	96.35	47.479		
12,100.00	7,152.97	7,159.05	7,158.17	140.07	30.59	93.09	-1,048.56	964.22	4,669.62	4,573.23	96.39	48.445		
12,200.00	7,153.78	7,160.31	7,159.43	142.81	30.60	93.14	-1,048.58	964.21	4,764.89	4,668.46	96.43	49.413		
12,300.00	7,154.60	7,161.57	7,160.69	145.55	30.60	93.19	-1,048.60	964.20	4,860.34	4,763.88	96.47	50.383		
12,400.00	7,155.41	7,162.83	7,161.95	148.30	30.61	93.24	-1,048.62	964.20	4,955.98	4,859.48	96.50	51.355		
12,500.00	7,156.22	7,164.08	7,163.20	151.05	30.61	93.29	-1,048.64	964.19	5,051.78	4,955.25	96.54	52.329		
12,600.00	7,157.04	7,165.34	7,164.46	153.80	30.62	93.34	-1,048.66	964.19	5,147.75	5,051.18	96.57	53.304		
12,700.00	7,157.85	7,166.60	7,165.72	156.56	30.62	93.39	-1,048.68	964.18	5,243.86	5,147.26	96.61	54.281		
12,800.00	7,158.66	7,167.86	7,166.98	159.33	30.63	93.44	-1,048.69	964.18	5,340.12	5,243.48	96.64	55.259		
12,900.00	7,159.48	7,169.12	7,168.24	162.09	30.64	93.49	-1,048.71	964.17	5,436.51	5,339.84	96.67	56.238		
13,000.00	7,160.29	7,170.37	7,169.49	164.86	30.64	93.54	-1,048.73	964.16	5,533.03	5,436.33	96.70	57.217		
13,100.00	7,161.11	7,171.63	7,170.75	167.64	30.65	93.59	-1,048.75	964.16	5,629.67	5,532.94	96.73	58.198		
13,209.97	7,162.00	7,173.01	7,172.14	170.69	30.65	93.65	-1,048.77	964.15	5,736.08	5,639.31	96.77	59.278		
13,210.89	7,162.01	7,173.03	7,172.15	170.72	30.65	93.65	-1,048.77	964.15	5,736.97	5,640.20	96.77	59.287		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	72.13	302.39	937.74	985.98					
100.00	100.00	65.05	65.05	3.28	3.28	72.12	302.45	937.65	985.22	978.66	6.57	150.011		
200.00	200.00	167.59	167.59	3.34	3.32	72.10	302.72	937.19	984.87	978.22	6.66	147.973		
300.00	299.98	266.90	266.90	3.44	3.41	-79.72	302.92	936.62	984.08	977.23	6.85	143.678		
400.00	399.84	362.93	362.93	3.59	3.54	-80.04	303.00	936.36	982.92	975.79	7.13	137.802		
500.00	499.45	456.93	456.93	3.79	3.71	-80.53	303.03	936.60	981.71	974.21	7.50	130.865		
600.00	598.70	548.02	548.01	4.04	3.91	-81.16	302.84	937.56	980.69	972.75	7.94	123.457		
700.00	697.47	639.56	639.53	4.32	4.14	-81.94	302.51	939.48	980.23	971.78	8.46	115.904		
800.00	795.62	735.07	735.01	4.64	4.41	-82.92	302.04	942.01	980.02	970.97	9.05	108.344		
886.06	879.52	817.99	817.89	4.95	4.66	-83.92	301.47	944.44	979.94	970.33	9.60	102.047 CC		
900.00	893.06	831.31	831.20	5.01	4.70	-84.09	301.37	944.84	979.94	970.24	9.70	101.067		
1,000.00	989.64	928.48	928.32	5.41	5.01	-85.44	300.67	947.88	980.17	969.76	10.41	94.199		
1,100.00	1,085.27	1,027.95	1,027.74	5.85	5.34	-87.01	299.67	950.76	980.47	969.30	11.18	87.732 ES		
1,200.00	1,179.82	1,121.05	1,120.79	6.33	5.67	-88.64	298.62	953.54	981.47	969.49	11.98	81.953		
1,300.00	1,273.17	1,214.07	1,213.77	6.84	6.00	-90.43	297.76	956.44	983.62	970.80	12.82	76.700		
1,404.90	1,369.69	1,315.39	1,315.04	7.43	6.37	-92.54	296.75	959.38	987.06	973.28	13.78	71.635		
1,500.00	1,456.50	1,402.06	1,401.67	8.00	6.69	-94.49	296.07	961.65	991.53	976.87	14.66	67.643		
1,600.00	1,547.79	1,493.07	1,492.65	8.61	7.03	-96.53	295.56	964.01	997.80	982.20	15.60	63.960		
1,700.00	1,639.07	1,588.03	1,587.58	9.23	7.39	-98.64	295.04	966.36	1,005.49	988.92	16.57	60.676		
1,800.00	1,730.36	1,690.20	1,689.74	9.87	7.79	-100.91	294.47	968.05	1,014.08	996.50	17.58	57.681		
1,900.00	1,821.64	1,788.26	1,787.79	10.52	8.17	-103.07	293.77	968.67	1,023.33	1,004.75	18.58	55.085		
2,000.00	1,912.93	1,881.86	1,881.39	11.18	8.53	-105.11	292.92	968.91	1,033.68	1,014.13	19.56	52.855		
2,100.00	2,004.21	1,970.32	1,969.84	11.84	8.88	-107.00	292.19	969.11	1,045.50	1,024.98	20.51	50.966		
2,200.00	2,095.50	2,064.42	2,063.94	12.51	9.25	-108.98	291.65	969.32	1,058.87	1,037.38	21.49	49.268		
2,300.00	2,186.78	2,156.66	2,156.18	13.19	9.62	-110.88	290.90	969.28	1,073.27	1,050.81	22.46	47.789		
2,400.00	2,278.06	2,246.53	2,246.05	13.86	9.98	-112.69	290.29	969.31	1,089.10	1,065.69	23.41	46.527		
2,500.00	2,369.35	2,335.11	2,334.63	14.55	10.34	-114.43	289.77	969.44	1,106.30	1,081.95	24.34	45.443		
2,600.00	2,460.63	2,421.66	2,421.17	15.23	10.69	-116.09	289.66	969.68	1,125.08	1,099.82	25.26	44.535		
2,700.00	2,551.92	2,512.20	2,511.71	15.92	11.06	-117.77	289.75	969.98	1,145.22	1,119.02	26.20	43.718		
2,800.00	2,643.20	2,605.73	2,605.24	16.61	11.44	-119.47	289.82	970.20	1,166.36	1,139.23	27.14	42.980		
2,900.00	2,734.49	2,701.62	2,701.14	17.30	11.83	-121.15	289.71	970.18	1,188.27	1,160.18	28.09	42.307		
3,000.00	2,825.77	2,795.09	2,794.61	18.00	12.21	-122.75	289.46	969.86	1,210.89	1,181.87	29.02	41.731		
3,100.00	2,917.06	2,895.84	2,895.35	18.69	12.63	-124.41	288.78	969.31	1,234.03	1,204.05	29.98	41.156		
3,200.00	3,008.34	2,992.94	2,992.44	19.39	13.03	-125.94	287.47	968.75	1,257.48	1,226.55	30.93	40.660		
3,300.00	3,099.63	3,073.62	3,073.11	20.09	13.36	-127.17	286.51	968.34	1,281.90	1,250.13	31.77	40.356		
3,400.00	3,190.91	3,163.51	3,163.00	20.79	13.73	-128.50	286.01	968.08	1,307.72	1,275.06	32.65	40.048		
3,500.00	3,282.20	3,253.63	3,253.12	21.49	14.11	-129.78	285.35	968.00	1,334.16	1,300.62	33.54	39.779		
3,600.00	3,373.48	3,341.72	3,341.21	22.19	14.48	-130.97	284.83	968.33	1,361.54	1,327.13	34.41	39.570		
3,700.00	3,464.77	3,429.70	3,429.18	22.89	14.84	-132.09	284.29	969.24	1,389.71	1,354.44	35.27	39.397		
3,800.00	3,556.05	3,520.09	3,519.55	23.60	15.22	-133.18	283.88	970.96	1,418.79	1,382.64	36.16	39.240		
3,900.00	3,647.34	3,630.68	3,630.10	24.30	15.68	-134.43	282.27	973.29	1,447.51	1,410.33	37.18	38.930		
4,000.00	3,738.62	3,721.75	3,721.16	25.00	16.06	-135.46	280.68	974.19	1,476.21	1,438.14	38.07	38.781		
4,100.00	3,829.91	3,802.15	3,801.54	25.71	16.40	-136.35	279.77	974.73	1,505.85	1,466.99	38.87	38.743		
4,200.00	3,921.19	3,887.87	3,887.26	26.42	16.76	-137.28	279.35	975.08	1,536.48	1,496.77	39.70	38.700		
4,300.00	4,012.48	3,973.23	3,972.62	27.12	17.12	-138.19	279.32	975.19	1,567.89	1,527.36	40.53	38.685		
4,400.00	4,103.76	4,068.79	4,068.19	27.83	17.52	-139.16	279.41	975.50	1,599.87	1,558.44	41.43	38.613		
4,500.00	4,195.05	4,164.37	4,163.76	28.54	17.92	-140.11	279.16	975.46	1,631.87	1,589.54	42.34	38.545		
4,600.00	4,286.33	4,263.00	4,262.40	29.24	18.34	-141.06	278.69	975.14	1,664.03	1,620.77	43.26	38.463		
4,700.00	4,377.62	4,361.05	4,360.44	29.95	18.75	-141.97	277.77	974.52	1,696.08	1,651.90	44.18	38.388		
4,800.00	4,468.90	4,476.35	4,475.72	30.66	19.23	-143.00	275.93	973.69	1,727.92	1,682.69	45.23	38.201		
4,900.00	4,560.19	4,613.94	4,613.20	31.37	19.82	-144.19	270.86	971.87	1,758.09	1,711.66	46.43	37.866		

CC - Min centre 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-14C-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-14C-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 #12-12(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	4,651.47	4,728.57	4,727.63	32.08	20.30	-145.15	264.30	970.00	1,786.63	1,739.17	47.46	37.646		
5,100.00	4,742.76	4,820.32	4,819.19	32.79	20.69	-145.87	258.56	969.03	1,815.05	1,766.72	48.34	37.549		
5,200.00	4,834.04	4,907.15	4,905.86	33.50	21.06	-146.52	253.30	968.47	1,843.97	1,794.79	49.19	37.490		
5,300.00	4,925.33	4,990.06	4,988.64	34.21	21.42	-147.14	248.67	967.82	1,873.57	1,823.57	50.00	37.470		
5,400.00	5,016.61	5,062.75	5,061.24	34.92	21.73	-147.66	245.16	967.09	1,904.13	1,853.39	50.74	37.527		
5,500.00	5,107.90	5,136.73	5,135.16	35.63	22.04	-148.19	242.41	966.42	1,935.94	1,884.46	51.48	37.605		
5,600.00	5,199.18	5,212.40	5,210.79	36.34	22.36	-148.71	240.21	965.63	1,968.75	1,916.52	52.23	37.695		
5,700.00	5,290.46	5,281.64	5,280.02	37.05	22.65	-149.18	238.91	964.79	2,002.71	1,949.80	52.92	37.847		
5,800.00	5,381.75	5,360.96	5,359.33	37.76	22.99	-149.71	238.17	963.68	2,037.75	1,984.06	53.68	37.960		
5,900.00	5,473.03	5,437.24	5,435.60	38.47	23.31	-150.22	237.82	962.40	2,073.46	2,019.04	54.42	38.104		
6,000.00	5,564.32	5,507.48	5,505.82	39.18	23.60	-150.67	238.17	961.01	2,110.22	2,055.13	55.09	38.303		
6,100.00	5,655.60	5,580.34	5,578.66	39.90	23.91	-151.14	239.18	959.46	2,147.99	2,092.20	55.79	38.504		
6,200.00	5,746.89	5,687.04	5,685.32	40.61	24.36	-151.79	240.88	957.32	2,186.16	2,129.37	56.79	38.496		
6,300.00	5,838.17	5,820.22	5,818.47	41.32	24.92	-152.56	240.91	955.00	2,223.02	2,164.99	58.03	38.310		
6,400.00	5,929.46	5,920.95	5,919.19	42.03	25.35	-153.11	239.84	953.86	2,259.04	2,200.06	58.98	38.302		
6,500.00	6,020.74	6,014.56	6,012.79	42.74	25.74	-153.60	238.59	953.00	2,294.96	2,235.09	59.87	38.331		
6,600.00	6,112.03	6,096.00	6,094.23	43.46	26.09	-154.01	237.70	952.36	2,331.22	2,270.56	60.66	38.431		
6,700.00	6,203.31	6,186.83	6,185.05	44.17	26.47	-154.45	236.92	951.74	2,367.83	2,306.30	61.53	38.482		
6,800.00	6,294.60	6,282.17	6,280.38	44.88	26.88	-154.90	236.04	950.99	2,404.50	2,342.06	62.44	38.508		
6,900.00	6,385.88	6,371.48	6,369.68	45.59	27.26	-155.31	235.14	950.21	2,441.22	2,377.92	63.30	38.566		
6,927.91	6,411.36	6,395.96	6,394.16	45.79	27.36	-155.42	234.91	950.01	2,451.52	2,387.98	63.53	38.585		
6,950.00	6,431.59	6,416.66	6,414.87	45.95	27.45	-160.42	234.73	949.85	2,459.66	2,395.93	63.73	38.594		
7,000.00	6,477.77	6,464.72	6,462.92	46.27	27.65	-172.64	234.28	949.52	2,477.93	2,413.75	64.18	38.607		
7,050.00	6,524.26	6,511.92	6,510.12	46.56	27.85	-174.35	233.81	949.23	2,495.88	2,431.26	64.62	38.625		
7,100.00	6,570.76	6,555.85	6,554.05	46.81	28.04	-161.42	233.41	948.99	2,513.45	2,448.43	65.02	38.656		
7,150.00	6,617.00	6,599.51	6,597.70	47.02	28.22	-149.45	233.06	948.77	2,530.57	2,465.15	65.42	38.683		
7,200.00	6,662.68	6,647.28	6,645.47	47.20	28.43	-139.04	232.68	948.49	2,547.12	2,481.26	65.86	38.676		
7,250.00	6,707.53	6,694.34	6,692.53	47.34	28.63	-130.33	232.26	948.14	2,563.01	2,496.71	66.30	38.658		
7,300.00	6,751.28	6,736.69	6,734.87	47.47	28.81	-123.16	231.87	947.75	2,578.23	2,511.51	66.71	38.646		
7,350.00	6,793.64	6,777.30	6,775.48	47.57	28.98	-117.29	231.53	947.30	2,592.79	2,525.66	67.13	38.622		
7,400.00	6,834.35	6,817.65	6,815.82	47.66	29.15	-112.52	231.21	946.79	2,606.70	2,539.12	67.57	38.575		
7,450.00	6,873.18	6,857.87	6,856.04	47.75	29.32	-108.63	230.88	946.22	2,619.90	2,551.86	68.04	38.503		
7,500.00	6,909.88	6,896.04	6,894.20	47.83	29.48	-105.43	230.55	945.63	2,632.43	2,563.90	68.53	38.411		
7,550.00	6,944.21	6,929.16	6,927.32	47.91	29.63	-102.75	230.27	945.12	2,644.31	2,575.29	69.02	38.312		
7,600.00	6,975.98	6,959.46	6,957.61	47.99	29.75	-100.49	230.04	944.69	2,655.61	2,586.08	69.53	38.193		
7,650.00	7,004.98	6,987.09	6,985.24	48.09	29.87	-98.59	229.86	944.34	2,666.35	2,596.28	70.07	38.052		
7,700.00	7,031.04	7,013.35	7,011.50	48.20	29.98	-97.00	229.69	944.04	2,676.56	2,605.90	70.66	37.880		
7,750.00	7,053.99	7,037.84	7,035.99	48.32	30.09	-95.67	229.53	943.79	2,686.25	2,614.96	71.29	37.680		
7,800.00	7,073.70	7,058.84	7,056.99	48.46	30.18	-94.51	229.39	943.61	2,695.45	2,623.49	71.96	37.460		
7,850.00	7,090.03	7,076.23	7,074.38	48.62	30.25	-93.51	229.26	943.48	2,704.18	2,631.53	72.65	37.222		
7,900.00	7,102.90	7,089.94	7,088.08	48.81	30.31	-92.62	229.15	943.39	2,712.47	2,639.10	73.37	36.968		
7,950.00	7,112.22	7,099.90	7,098.04	49.02	30.35	-91.84	229.08	943.33	2,720.32	2,646.20	74.12	36.703		
8,000.00	7,117.94	7,106.08	7,104.22	49.26	30.38	-91.15	229.03	943.30	2,727.73	2,652.85	74.88	36.429		
8,047.82	7,120.00	7,108.45	7,106.60	49.51	30.39	-90.56	229.01	943.29	2,734.38	2,658.76	75.61	36.163		
8,100.00	7,120.42	7,109.16	7,107.30	49.82	30.39	-90.58	229.00	943.28	2,741.88	2,665.45	76.43	35.874		
8,200.00	7,121.24	7,110.50	7,108.64	50.53	30.40	-90.61	228.99	943.28	2,758.97	2,680.89	78.08	35.335		
8,300.00	7,122.05	7,111.69	7,109.84	51.39	30.40	-90.63	228.98	943.27	2,779.55	2,699.75	79.80	34.832		
8,400.00	7,122.86	7,113.07	7,111.21	52.42	30.41	-90.66	228.97	943.26	2,803.55	2,721.98	81.57	34.370		
8,500.00	7,123.68	7,114.44	7,112.58	53.63	30.41	-90.69	228.96	943.25	2,830.88	2,747.51	83.37	33.957		
8,600.00	7,124.49	7,115.81	7,113.95	55.01	30.42	-90.72	228.95	943.24	2,861.44	2,776.27	85.17	33.597		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,700.00	7,125.30	7,117.18	7,115.32	56.54	30.42	90.75	228.94	943.24	2,895.13	2,808.17	86.96	33.292		
8,800.00	7,126.12	7,118.55	7,116.69	58.21	30.43	90.78	228.93	943.23	2,931.85	2,843.13	88.73	33.043		
8,900.00	7,126.93	7,119.92	7,118.06	60.01	30.44	90.80	228.92	943.22	2,971.49	2,881.03	90.46	32.848		
9,000.00	7,127.75	7,121.29	7,119.43	61.92	30.44	90.83	228.91	943.21	3,013.92	2,921.77	92.15	32.707		
9,100.00	7,128.56	7,122.66	7,120.81	63.92	30.45	90.86	228.90	943.20	3,059.03	2,965.24	93.78	32.618		
9,200.00	7,129.37	7,124.03	7,122.18	66.01	30.45	90.89	228.89	943.20	3,106.70	3,011.34	95.36	32.578 SF		
9,300.00	7,130.19	7,125.41	7,123.55	68.16	30.46	90.92	228.88	943.19	3,156.83	3,059.95	96.88	32.585		
9,400.00	7,131.00	7,126.78	7,124.92	70.38	30.47	90.95	228.87	943.18	3,209.28	3,110.95	98.34	32.636		
9,500.00	7,131.81	7,128.15	7,126.29	72.65	30.47	90.98	228.86	943.17	3,263.96	3,164.23	99.73	32.729		
9,600.00	7,132.63	7,129.52	7,127.66	74.97	30.48	91.01	228.84	943.17	3,320.75	3,219.70	101.05	32.861		
9,700.00	7,133.44	7,130.89	7,129.03	77.33	30.48	91.04	228.83	943.16	3,379.54	3,277.23	102.32	33.030		
9,800.00	7,134.25	7,132.26	7,130.40	79.72	30.49	91.07	228.82	943.15	3,440.24	3,336.72	103.52	33.234		
9,900.00	7,135.07	7,133.63	7,131.77	82.16	30.49	91.09	228.81	943.14	3,502.74	3,398.08	104.65	33.469		
10,000.00	7,135.88	7,135.00	7,133.14	84.62	30.50	91.12	228.80	943.14	3,566.94	3,461.21	105.73	33.735		
10,100.00	7,136.70	7,136.37	7,134.51	87.11	30.51	91.15	228.79	943.13	3,632.77	3,526.01	106.76	34.029		
10,200.00	7,137.51	7,137.74	7,135.88	89.62	30.51	91.18	228.78	943.12	3,700.12	3,592.40	107.72	34.349		
10,300.00	7,138.32	7,139.11	7,137.25	92.16	30.52	91.21	228.77	943.11	3,768.93	3,660.29	108.64	34.693		
10,400.00	7,139.14	7,140.48	7,138.63	94.71	30.52	91.24	228.76	943.10	3,839.11	3,729.61	109.50	35.060		
10,500.00	7,139.95	7,141.85	7,140.00	97.29	30.53	91.27	228.75	943.10	3,910.58	3,800.26	110.32	35.449		
10,600.00	7,140.76	7,143.22	7,141.37	99.88	30.54	91.30	228.74	943.09	3,983.28	3,872.19	111.09	35.857		
10,700.00	7,141.58	7,144.60	7,142.74	102.48	30.54	91.33	228.73	943.08	4,057.15	3,945.33	111.82	36.284		
10,800.00	7,142.39	7,145.97	7,144.11	105.10	30.55	91.36	228.72	943.07	4,132.11	4,019.60	112.50	36.728		
10,900.00	7,143.20	7,147.34	7,145.48	107.74	30.55	91.38	228.70	943.07	4,208.11	4,094.96	113.15	37.189		
11,000.00	7,144.02	7,148.71	7,146.85	110.38	30.56	91.41	228.69	943.06	4,285.10	4,171.33	113.77	37.665		
11,100.00	7,144.83	7,150.08	7,148.22	113.04	30.56	91.44	228.68	943.05	4,363.02	4,248.67	114.35	38.155		
11,200.00	7,145.65	7,151.45	7,149.59	115.71	30.57	91.47	228.67	943.04	4,441.83	4,326.93	114.90	38.659		
11,300.00	7,146.46	7,152.82	7,150.96	118.38	30.58	91.50	228.66	943.04	4,521.47	4,406.06	115.42	39.175		
11,400.00	7,147.27	7,154.19	7,152.33	121.07	30.58	91.53	228.65	943.03	4,601.91	4,486.00	115.91	39.703		
11,500.00	7,148.09	7,155.56	7,153.70	123.76	30.59	91.56	228.64	943.02	4,683.10	4,566.73	116.37	40.242		
11,600.00	7,148.90	7,156.93	7,155.07	126.46	30.59	91.59	228.63	943.01	4,765.01	4,648.20	116.81	40.791		
11,700.00	7,149.71	7,158.30	7,156.44	129.17	30.60	91.62	228.62	943.01	4,847.60	4,730.36	117.23	41.350		
11,800.00	7,150.53	7,159.67	7,157.81	131.89	30.61	91.65	228.61	943.00	4,930.83	4,813.20	117.63	41.919		
11,900.00	7,151.34	7,161.04	7,159.18	134.61	30.61	91.67	228.60	942.99	5,014.67	4,896.66	118.00	42.496		
12,000.00	7,152.16	7,162.41	7,160.55	137.34	30.62	91.70	228.59	942.98	5,099.09	4,980.73	118.36	43.081		
12,100.00	7,152.97	7,163.78	7,161.92	140.07	30.62	91.73	228.58	942.97	5,184.07	5,065.37	118.70	43.674		
12,200.00	7,153.78	7,165.15	7,163.29	142.81	30.63	91.76	228.56	942.97	5,269.57	5,150.56	119.02	44.275		
12,300.00	7,154.60	7,166.52	7,164.66	145.55	30.63	91.79	228.55	942.96	5,355.58	5,236.26	119.33	44.882		
12,400.00	7,155.41	7,167.89	7,166.03	148.30	30.64	91.82	228.54	942.95	5,442.07	5,322.45	119.62	45.496		
12,500.00	7,156.22	7,169.26	7,167.40	151.05	30.65	91.85	228.53	942.94	5,529.01	5,409.11	119.89	46.116		
12,600.00	7,157.04	7,170.63	7,168.77	153.80	30.65	91.88	228.52	942.94	5,616.38	5,496.22	120.16	46.741		
12,700.00	7,157.85	7,172.00	7,170.14	156.56	30.66	91.91	228.51	942.93	5,704.17	5,583.76	120.41	47.373		
12,800.00	7,158.66	7,173.37	7,171.51	159.33	30.66	91.93	228.50	942.92	5,792.36	5,671.70	120.65	48.009		
12,900.00	7,159.48	7,174.74	7,172.88	162.09	30.67	91.96	228.49	942.91	5,880.92	5,760.04	120.88	48.650		
13,000.00	7,160.29	7,176.11	7,174.25	164.86	30.68	91.99	228.48	942.91	5,969.84	5,848.74	121.10	49.296		
13,100.00	7,161.11	7,177.48	7,175.62	167.64	30.68	92.02	228.47	942.90	6,059.11	5,937.80	121.31	49.947		
13,209.97	7,162.00	7,178.99	7,177.13	170.69	30.69	92.05	228.46	942.89	6,157.66	6,036.12	121.53	50.667		
13,210.89	7,162.01	7,179.00	7,177.14	170.72	30.69	92.05	228.46	942.89	6,158.48	6,036.95	121.53	50.673		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	99.49	-265.53	1,589.08	1,611.79					
100.00	100.00	58.47	58.47	3.28	3.28	99.48	-265.44	1,588.99	1,611.02	1,604.45	6.57	245.314		
200.00	200.00	154.96	154.96	3.34	3.31	99.47	-265.02	1,588.67	1,610.63	1,603.98	6.65	242.281		
300.00	299.98	251.01	251.01	3.44	3.39	-52.28	-264.88	1,588.82	1,609.68	1,602.85	6.83	235.652		
400.00	399.84	353.42	353.42	3.59	3.53	-52.48	-264.93	1,588.83	1,606.50	1,599.38	7.12	225.698		
500.00	499.45	443.95	443.95	3.79	3.69	-52.79	-264.82	1,588.93	1,601.30	1,593.83	7.48	214.156		
600.00	598.70	526.72	526.71	4.04	3.86	-53.20	-264.22	1,589.93	1,595.01	1,587.11	7.90	201.991		
700.00	697.47	611.66	611.63	4.32	4.07	-53.74	-263.67	1,591.73	1,587.64	1,579.25	8.39	189.322		
800.00	795.62	695.25	695.17	4.64	4.30	-54.37	-263.20	1,594.25	1,579.24	1,570.30	8.93	176.828		
900.00	893.06	785.35	785.21	5.01	4.57	-55.17	-262.66	1,597.63	1,569.72	1,560.17	9.55	164.407		
1,000.00	989.64	880.99	880.77	5.41	4.87	-56.14	-262.03	1,601.51	1,558.78	1,548.55	10.23	152.330		
1,100.00	1,085.27	973.79	973.49	5.85	5.18	-57.24	-261.29	1,605.36	1,546.37	1,535.41	10.96	141.086		
1,200.00	1,179.82	1,060.68	1,060.29	6.33	5.48	-58.40	-260.75	1,609.26	1,532.87	1,521.16	11.72	130.828		
1,300.00	1,273.17	1,149.24	1,148.74	6.84	5.80	-59.68	-261.00	1,613.66	1,518.65	1,506.12	12.53	121.249		
1,404.90	1,369.69	1,241.42	1,240.80	7.43	6.14	-61.16	-261.19	1,618.47	1,502.83	1,489.41	13.42	111.961		
1,500.00	1,456.50	1,320.97	1,320.21	8.00	6.44	-62.27	-261.19	1,623.01	1,488.85	1,474.58	14.26	104.405		
1,600.00	1,547.79	1,403.31	1,402.38	8.61	6.76	-63.46	-260.79	1,628.22	1,475.56	1,460.40	15.16	97.309		
1,700.00	1,639.07	1,482.45	1,481.32	9.23	7.08	-64.61	-260.31	1,633.85	1,463.91	1,447.83	16.08	91.041		
1,800.00	1,730.36	1,565.92	1,564.53	9.87	7.42	-65.84	-259.73	1,640.42	1,453.91	1,436.88	17.03	85.361		
1,900.00	1,821.64	1,653.75	1,652.05	10.52	7.79	-67.17	-258.58	1,647.71	1,445.31	1,427.29	18.02	80.206		
2,000.00	1,912.93	1,748.71	1,746.67	11.18	8.19	-68.60	-257.94	1,655.73	1,437.79	1,418.74	19.05	75.467		
2,100.00	2,004.21	1,846.45	1,844.09	11.84	8.60	-70.05	-258.14	1,663.71	1,430.87	1,410.76	20.11	71.154		
2,200.00	2,095.50	1,947.66	1,944.98	12.51	9.02	-71.57	-258.35	1,671.63	1,424.62	1,403.42	21.19	67.218		
2,300.00	2,186.78	2,046.93	2,044.01	13.19	9.43	-73.08	-258.45	1,678.58	1,418.59	1,396.31	22.28	63.667		
2,400.00	2,278.06	2,140.61	2,137.47	13.86	9.82	-74.54	-258.06	1,684.97	1,413.53	1,390.17	23.35	60.524		
2,500.00	2,369.35	2,239.79	2,236.44	14.55	10.22	-76.08	-257.76	1,691.41	1,409.18	1,384.72	24.46	57.616		
2,600.00	2,460.63	2,342.22	2,338.68	15.23	10.64	-77.68	-257.84	1,697.55	1,405.34	1,379.76	25.58	54.938		
2,700.00	2,551.92	2,442.39	2,438.72	15.92	11.05	-79.25	-258.22	1,702.83	1,401.81	1,375.11	26.70	52.508		
2,800.00	2,643.20	2,533.37	2,529.58	16.61	11.42	-80.69	-258.48	1,707.41	1,399.16	1,371.38	27.78	50.366		
2,900.00	2,734.49	2,619.58	2,615.67	17.30	11.78	-82.04	-258.71	1,712.02	1,397.85	1,369.01	28.84	48.464		
2,935.25	2,766.66	2,649.22	2,645.26	17.55	11.90	-82.51	-258.82	1,713.73	1,397.76	1,368.54	29.21	47.844 CC		
3,000.00	2,825.77	2,704.16	2,700.09	18.00	12.13	-83.37	-259.09	1,717.08	1,398.09	1,368.19	29.90	46.761 ES		
3,100.00	2,917.06	2,796.59	2,792.34	18.69	12.51	-84.80	-259.57	1,722.92	1,399.60	1,368.61	30.99	45.165		
3,200.00	3,008.34	2,885.37	2,880.93	19.39	12.89	-86.17	-260.16	1,728.71	1,402.27	1,370.21	32.06	43.739		
3,300.00	3,099.63	2,975.69	2,971.03	20.09	13.27	-87.55	-260.98	1,734.93	1,406.15	1,373.01	33.14	42.435		
3,400.00	3,190.91	3,062.32	3,057.44	20.79	13.64	-88.86	-261.54	1,741.02	1,411.25	1,377.06	34.19	41.276		
3,500.00	3,282.20	3,151.82	3,146.72	21.49	14.02	-90.24	-261.34	1,747.35	1,417.74	1,382.49	35.25	40.217		
3,600.00	3,373.48	3,248.58	3,243.23	22.19	14.43	-91.70	-261.53	1,754.33	1,425.17	1,388.83	36.35	39.209		
3,700.00	3,464.77	3,348.72	3,343.12	22.89	14.85	-93.19	-262.21	1,761.31	1,433.13	1,395.67	37.46	38.260		
3,800.00	3,556.05	3,445.54	3,439.74	23.60	15.26	-94.61	-262.96	1,767.59	1,441.59	1,403.05	38.54	37.402		
3,900.00	3,647.34	3,537.67	3,531.65	24.30	15.65	-95.94	-264.18	1,773.79	1,450.89	1,411.29	39.60	36.639		
4,000.00	3,738.62	3,628.63	3,622.33	25.00	16.04	-97.19	-266.15	1,780.66	1,461.19	1,420.54	40.65	35.947		
4,100.00	3,829.91	3,726.88	3,720.16	25.71	16.47	-98.47	-269.47	1,789.02	1,472.30	1,430.56	41.74	35.273		
4,200.00	3,921.19	3,832.05	3,824.82	26.42	16.93	-99.77	-274.59	1,798.07	1,483.31	1,440.44	42.87	34.597		
4,300.00	4,012.48	3,921.48	3,913.79	27.12	17.32	-100.86	-278.98	1,805.83	1,495.02	1,451.11	43.91	34.047		
4,400.00	4,103.76	4,015.10	4,006.99	27.83	17.73	-102.00	-283.20	1,813.78	1,507.50	1,462.54	44.96	33.527		
4,500.00	4,195.05	4,105.61	4,097.12	28.54	18.13	-103.11	-286.78	1,821.22	1,520.80	1,474.81	45.99	33.069		
4,600.00	4,286.33	4,208.42	4,199.53	29.24	18.57	-104.35	-290.74	1,829.28	1,534.57	1,487.49	47.08	32.597		
4,700.00	4,377.62	4,286.92	4,277.75	29.95	18.91	-105.30	-293.42	1,835.40	1,549.24	1,501.23	48.01	32.269		
4,800.00	4,468.90	4,392.01	4,382.50	30.66	19.36	-106.56	-296.48	1,843.30	1,564.73	1,515.64	49.10	31.871		
4,900.00	4,560.19	4,495.91	4,486.16	31.37	19.81	-107.83	-299.36	1,849.67	1,580.10	1,529.94	50.16	31.502		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
5,000.00	4,651.47	4,596.44	4,586.56	32.08	20.23	-109.08	-301.53	1,854.28	1,595.63	1,544.44	51.18	31.175		
5,100.00	4,742.76	4,692.23	4,682.27	32.79	20.62	-110.29	-303.18	1,857.69	1,611.57	1,559.40	52.17	30.892		
5,200.00	4,834.04	4,788.67	4,778.66	33.50	21.02	-111.51	-304.51	1,860.38	1,628.05	1,574.90	53.14	30.635		
5,300.00	4,925.33	4,881.61	4,871.58	34.21	21.41	-112.70	-305.37	1,862.18	1,645.13	1,591.04	54.09	30.416		
5,400.00	5,016.61	4,972.35	4,962.31	34.92	21.78	-113.85	-305.93	1,863.57	1,662.97	1,607.96	55.01	30.231		
5,500.00	5,107.90	5,065.73	5,055.68	35.63	22.17	-115.02	-306.28	1,864.71	1,681.59	1,625.65	55.94	30.063		
5,600.00	5,199.18	5,163.99	5,153.94	36.34	22.57	-116.24	-306.71	1,865.61	1,700.73	1,643.85	56.89	29.898		
5,700.00	5,290.46	5,274.66	5,264.59	37.05	23.03	-117.55	-308.30	1,866.89	1,719.96	1,662.06	57.91	29.702		
5,800.00	5,381.75	5,368.46	5,358.35	37.76	23.42	-118.63	-310.59	1,868.05	1,739.08	1,680.26	58.82	29.565		
5,900.00	5,473.03	5,451.33	5,441.20	38.47	23.76	-119.56	-312.30	1,869.05	1,759.13	1,699.46	59.67	29.483		
6,000.00	5,564.32	5,535.29	5,525.15	39.18	24.11	-120.50	-313.47	1,870.14	1,780.35	1,719.85	60.50	29.425		
6,100.00	5,655.60	5,622.95	5,612.80	39.90	24.47	-121.46	-314.40	1,871.15	1,802.40	1,741.04	61.36	29.375		
6,200.00	5,746.89	5,705.85	5,695.68	40.61	24.82	-122.35	-315.03	1,872.39	1,825.42	1,763.24	62.18	29.359		
6,300.00	5,838.17	5,795.88	5,785.70	41.32	25.19	-123.29	-315.56	1,873.99	1,849.25	1,786.21	63.04	29.335		
6,400.00	5,929.46	5,892.75	5,882.56	42.03	25.60	-124.29	-316.13	1,875.54	1,873.55	1,809.60	63.94	29.300		
6,500.00	6,020.74	5,985.24	5,975.03	42.74	25.98	-125.23	-316.59	1,876.45	1,898.21	1,833.40	64.81	29.288 SF		
6,600.00	6,112.03	6,071.25	6,061.05	43.46	26.34	-126.10	-316.77	1,876.94	1,923.49	1,857.86	65.63	29.309		
6,700.00	6,203.31	6,167.52	6,157.32	44.17	26.74	-127.05	-316.84	1,877.55	1,949.41	1,882.90	66.52	29.308		
6,800.00	6,294.60	6,267.08	6,256.88	44.88	27.16	-128.02	-317.09	1,877.42	1,975.42	1,908.00	67.42	29.300		
6,900.00	6,385.88	6,364.36	6,354.15	45.59	27.56	-128.98	-317.36	1,876.42	2,001.61	1,933.30	68.30	29.304		
6,927.91	6,411.36	6,391.39	6,381.18	45.79	27.68	-129.24	-317.47	1,876.08	2,008.96	1,940.41	68.55	29.307		
6,950.00	6,431.59	6,413.30	6,403.09	45.95	27.77	-134.08	-317.56	1,875.78	2,014.94	1,946.19	68.75	29.310		
7,000.00	6,477.77	6,464.05	6,453.82	46.27	27.98	-146.07	-317.84	1,875.00	2,029.54	1,960.35	69.19	29.335		
7,050.00	6,524.26	6,515.23	6,505.00	46.56	28.20	-159.04	-318.20	1,874.10	2,045.48	1,975.87	69.61	29.383		
7,100.00	6,570.76	6,559.99	6,549.75	46.81	28.38	-172.07	-318.51	1,873.29	2,062.71	1,992.73	69.98	29.474		
7,150.00	6,617.00	6,606.69	6,596.44	47.02	28.58	175.69	-318.83	1,872.43	2,081.12	2,010.76	70.37	29.576		
7,200.00	6,662.68	6,657.25	6,646.99	47.20	28.79	164.83	-319.20	1,871.37	2,100.52	2,029.74	70.78	29.677		
7,250.00	6,707.53	6,707.39	6,697.11	47.34	29.00	155.52	-319.62	1,870.12	2,120.76	2,049.56	71.20	29.785		
7,300.00	6,751.28	6,758.26	6,747.95	47.47	29.21	147.65	-320.11	1,868.62	2,141.73	2,070.08	71.65	29.893		
7,350.00	6,793.64	6,807.93	6,797.59	47.57	29.42	140.99	-320.65	1,866.89	2,163.34	2,091.23	72.10	30.003		
7,400.00	6,834.35	6,845.60	6,835.23	47.66	29.58	135.19	-321.04	1,865.53	2,185.64	2,113.13	72.51	30.144		
7,450.00	6,873.18	6,883.02	6,872.63	47.75	29.74	130.13	-321.39	1,864.18	2,208.62	2,135.68	72.94	30.281		
7,500.00	6,909.88	6,922.23	6,911.81	47.83	29.90	125.70	-321.73	1,862.75	2,232.20	2,158.78	73.42	30.405		
7,550.00	6,944.21	6,962.52	6,952.07	47.91	30.07	121.77	-322.10	1,861.16	2,256.24	2,182.30	73.94	30.516		
7,600.00	6,975.98	7,000.32	6,989.83	47.99	30.23	118.20	-322.47	1,859.54	2,280.68	2,206.21	74.48	30.623		
7,650.00	7,004.98	7,029.40	7,018.88	48.09	30.36	114.77	-322.74	1,858.21	2,305.53	2,230.54	75.00	30.742		
7,700.00	7,031.04	7,055.96	7,045.41	48.20	30.47	111.54	-322.95	1,856.95	2,330.76	2,255.23	75.53	30.858		
7,750.00	7,053.99	7,121.35	7,068.07	48.32	30.75	108.44	-323.11	1,855.86	2,356.30	2,280.04	76.26	30.898		
7,800.00	7,073.70	7,100.67	7,090.07	48.46	30.66	105.51	-323.21	1,854.73	2,382.10	2,305.44	76.66	31.075		
7,850.00	7,090.03	7,119.42	7,108.79	48.62	30.74	102.68	-323.30	1,853.77	2,408.04	2,330.80	77.24	31.175		
7,900.00	7,102.90	7,134.75	7,124.10	48.81	30.80	99.93	-323.37	1,852.99	2,434.05	2,356.22	77.83	31.272		
7,950.00	7,112.22	7,146.58	7,135.91	49.02	30.86	97.26	-323.42	1,852.39	2,460.03	2,381.61	78.42	31.368		
8,000.00	7,117.94	7,154.83	7,144.15	49.26	30.89	94.67	-323.46	1,851.96	2,485.88	2,406.87	79.01	31.464		
8,047.82	7,120.00	7,159.33	7,148.64	49.51	30.91	92.28	-323.48	1,851.73	2,510.36	2,430.81	79.55	31.556		
8,100.00	7,120.42	7,162.42	7,151.73	49.82	30.92	92.36	-323.49	1,851.58	2,537.31	2,457.16	80.14	31.659		
8,200.00	7,121.24	7,168.34	7,157.64	50.53	30.95	92.52	-323.52	1,851.27	2,591.09	2,509.81	81.28	31.878		
8,300.00	7,122.05	7,174.26	7,163.56	51.39	30.97	92.68	-323.55	1,850.97	2,647.55	2,565.13	82.42	32.124		
8,400.00	7,122.86	7,180.18	7,169.47	52.42	31.00	92.83	-323.58	1,850.67	2,706.51	2,622.98	83.53	32.400		
8,500.00	7,123.68	7,186.10	7,175.38	53.63	31.03	92.99	-323.60	1,850.37	2,767.82	2,683.19	84.63	32.706		
8,600.00	7,124.49	7,192.02	7,181.30	55.01	31.05	93.15	-323.63	1,850.06	2,831.32	2,745.63	85.69	33.041		

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-14C-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-14C-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	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)			
8,700.00	7,125.30	7,197.94	7,187.21	56.54	31.08	93.30	-323.66	1,849.76	2,896.86	2,810.15	86.72	33.405		
8,800.00	7,126.12	7,203.87	7,193.12	58.21	31.10	93.46	-323.69	1,849.46	2,964.33	2,876.62	87.71	33.797		
8,900.00	7,126.93	7,209.79	7,199.04	60.01	31.13	93.62	-323.71	1,849.16	3,033.57	2,944.91	88.66	34.215		
9,000.00	7,127.75	7,215.71	7,204.95	61.92	31.15	93.77	-323.74	1,848.85	3,104.48	3,014.91	89.57	34.658		
9,100.00	7,128.56	7,221.63	7,210.86	63.92	31.18	93.93	-323.77	1,848.55	3,176.95	3,086.50	90.45	35.125		
9,200.00	7,129.37	7,227.55	7,216.78	66.01	31.20	94.08	-323.79	1,848.25	3,250.87	3,159.59	91.28	35.615		
9,300.00	7,130.19	7,233.47	7,222.69	68.16	31.23	94.24	-323.82	1,847.94	3,326.14	3,234.06	92.07	36.125		
9,400.00	7,131.00	7,239.39	7,228.60	70.38	31.26	94.40	-323.85	1,847.64	3,402.67	3,309.84	92.83	36.655		
9,500.00	7,131.81	7,245.31	7,234.52	72.65	31.28	94.55	-323.88	1,847.34	3,480.38	3,386.84	93.55	37.204		
9,600.00	7,132.63	7,251.23	7,240.43	74.97	31.31	94.71	-323.90	1,847.04	3,559.20	3,464.97	94.24	37.769		
9,700.00	7,133.44	7,257.16	7,246.34	77.33	31.33	94.86	-323.93	1,846.73	3,639.05	3,544.16	94.89	38.351		
9,800.00	7,134.25	7,263.08	7,252.26	79.72	31.36	95.02	-323.96	1,846.43	3,719.86	3,624.36	95.51	38.948		
9,900.00	7,135.07	7,269.00	7,258.17	82.16	31.38	95.17	-323.99	1,846.13	3,801.58	3,705.48	96.10	39.558		
10,000.00	7,135.88	7,274.92	7,264.08	84.62	31.41	95.33	-324.01	1,845.83	3,884.15	3,787.48	96.66	40.182		
10,100.00	7,136.70	7,280.84	7,270.00	87.11	31.43	95.49	-324.04	1,845.52	3,967.50	3,870.30	97.20	40.818		
10,200.00	7,137.51	7,286.76	7,275.91	89.62	31.46	95.64	-324.07	1,845.22	4,051.60	3,953.89	97.71	41.465		
10,300.00	7,138.32	7,292.68	7,281.82	92.16	31.48	95.80	-324.09	1,844.92	4,136.41	4,038.21	98.20	42.123		
10,400.00	7,139.14	7,298.60	7,287.74	94.71	31.51	95.95	-324.12	1,844.62	4,221.86	4,123.20	98.66	42.790		
10,500.00	7,139.95	7,304.52	7,293.65	97.29	31.54	96.11	-324.15	1,844.31	4,307.94	4,208.83	99.11	43.467		
10,600.00	7,140.76	7,310.45	7,299.56	99.88	31.56	96.26	-324.18	1,844.01	4,394.60	4,295.06	99.53	44.152		
10,700.00	7,141.58	7,316.37	7,305.48	102.48	31.59	96.42	-324.20	1,843.71	4,481.80	4,381.86	99.94	44.846		
10,800.00	7,142.39	7,322.29	7,311.39	105.10	31.61	96.57	-324.23	1,843.41	4,569.52	4,469.20	100.33	45.547		
10,900.00	7,143.20	7,328.21	7,317.30	107.74	31.64	96.73	-324.26	1,843.10	4,657.73	4,557.04	100.70	46.254		
11,000.00	7,144.02	7,334.13	7,323.22	110.38	31.66	96.88	-324.29	1,842.80	4,746.40	4,645.35	101.05	46.969		
11,100.00	7,144.83	7,340.05	7,329.13	113.04	31.69	97.04	-324.31	1,842.50	4,835.51	4,734.11	101.40	47.689		
11,200.00	7,145.65	7,345.97	7,335.04	115.71	31.71	97.19	-324.34	1,842.20	4,925.02	4,823.30	101.72	48.415		
11,300.00	7,146.46	7,351.89	7,340.96	118.38	31.74	97.35	-324.37	1,841.89	5,014.93	4,912.89	102.04	49.147		
11,400.00	7,147.27	7,357.81	7,346.87	121.07	31.77	97.50	-324.40	1,841.59	5,105.20	5,002.86	102.34	49.883		
11,500.00	7,148.09	7,363.74	7,352.78	123.76	31.79	97.65	-324.42	1,841.29	5,195.82	5,093.19	102.63	50.625		
11,600.00	7,148.90	7,369.66	7,358.70	126.46	31.82	97.81	-324.45	1,840.99	5,286.78	5,183.86	102.92	51.370		
11,700.00	7,149.71	7,375.58	7,364.61	129.17	31.84	97.96	-324.48	1,840.68	5,378.05	5,274.86	103.19	52.120		
11,800.00	7,150.53	7,381.50	7,370.52	131.89	31.87	98.12	-324.50	1,840.38	5,469.62	5,366.17	103.45	52.873		
11,900.00	7,151.34	7,387.42	7,376.44	134.61	31.89	98.27	-324.53	1,840.08	5,561.47	5,457.77	103.70	53.630		
12,000.00	7,152.16	7,393.34	7,382.35	137.34	31.92	98.42	-324.56	1,839.78	5,653.59	5,549.65	103.94	54.391		
12,100.00	7,152.97	7,399.26	7,388.26	140.07	31.94	98.58	-324.59	1,839.47	5,745.97	5,641.79	104.18	55.154		
12,200.00	7,153.78	7,405.18	7,394.18	142.81	31.97	98.73	-324.61	1,839.17	5,838.60	5,734.19	104.41	55.921		
12,300.00	7,154.60	7,411.10	7,400.09	145.55	31.99	98.88	-324.64	1,838.87	5,931.45	5,826.82	104.63	56.690		
12,400.00	7,155.41	7,383.00	7,372.02	148.30	31.87	98.16	-324.51	1,840.30	6,024.63	5,919.91	104.72	57.532		
12,500.00	7,156.22	7,383.00	7,372.02	151.05	31.87	98.16	-324.51	1,840.30	6,117.96	6,013.06	104.90	58.320		
12,600.00	7,157.04	7,383.00	7,372.02	153.80	31.87	98.16	-324.51	1,840.30	6,211.49	6,106.41	105.08	59.110		
12,700.00	7,157.85	7,383.00	7,372.02	156.56	31.87	98.16	-324.51	1,840.30	6,305.23	6,199.97	105.26	59.902		
12,800.00	7,158.66	7,383.00	7,372.02	159.33	31.87	98.16	-324.51	1,840.30	6,399.15	6,293.72	105.43	60.697		
12,900.00	7,159.48	7,383.00	7,372.02	162.09	31.87	98.16	-324.51	1,840.30	6,493.26	6,387.67	105.59	61.493		
13,000.00	7,160.29	7,383.00	7,372.02	164.86	31.87	98.16	-324.51	1,840.30	6,587.54	6,481.79	105.75	62.292		
13,100.00	7,161.11	7,383.00	7,372.02	167.64	31.87	98.16	-324.51	1,840.30	6,681.98	6,576.08	105.91	63.093		
13,209.97	7,162.00	7,383.00	7,372.02	170.69	31.87	98.16	-324.51	1,840.30	6,786.03	6,679.95	106.07	63.975		
13,210.89	7,162.01	7,383.00	7,372.02	170.72	31.87	98.16	-324.51	1,840.30	6,786.90	6,680.82	106.07	63.982		

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Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14C-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		
0.00	0.00	0.00	0.00	3.28	3.28	-162.24	-3,217.17	-1,030.49	3,378.27					
100.00	100.00	75.00	75.00	3.28	3.53	-162.24	-3,217.17	-1,030.49	3,378.18	3,371.36	6.82	495.601		
200.00	200.00	175.00	175.00	3.34	5.46	-162.24	-3,217.17	-1,030.49	3,378.18	3,369.38	8.80	384.057		
300.00	299.98	274.98	274.98	3.44	8.51	46.12	-3,217.17	-1,030.49	3,376.97	3,365.01	11.95	282.554		
400.00	399.84	374.84	374.84	3.59	11.80	46.24	-3,217.17	-1,030.49	3,373.34	3,357.94	15.40	219.099		
500.00	499.45	474.45	474.45	3.79	15.18	46.43	-3,217.17	-1,030.49	3,367.31	3,348.34	18.97	177.532		
600.00	598.70	573.70	573.70	4.04	18.57	46.70	-3,217.17	-1,030.49	3,358.90	3,336.29	22.61	148.571		
700.00	697.47	672.47	672.47	4.32	21.98	47.05	-3,217.17	-1,030.49	3,348.13	3,321.84	26.29	127.347		
800.00	795.62	770.62	770.62	4.64	25.37	47.49	-3,217.17	-1,030.49	3,335.06	3,305.06	30.00	111.165		
900.00	893.06	868.06	868.06	5.01	28.75	48.00	-3,217.17	-1,030.49	3,319.72	3,285.99	33.73	98.433		
1,000.00	989.64	964.64	964.64	5.41	32.10	48.59	-3,217.17	-1,030.49	3,302.17	3,264.71	37.46	88.159		
1,100.00	1,085.27	1,060.27	1,060.27	5.85	35.42	49.27	-3,217.17	-1,030.49	3,282.47	3,241.28	41.19	79.694		
1,200.00	1,179.82	1,154.82	1,154.82	6.33	38.71	50.03	-3,217.17	-1,030.49	3,260.71	3,215.80	44.91	72.597		
1,300.00	1,273.17	1,248.17	1,248.17	6.84	41.96	50.88	-3,217.17	-1,030.49	3,236.97	3,188.34	48.63	66.559		
1,404.90	1,369.69	1,344.69	1,344.69	7.43	45.32	51.85	-3,217.17	-1,030.49	3,210.04	3,157.52	52.52	61.121		
1,500.00	1,456.50	1,431.50	1,431.50	8.00	48.34	52.37	-3,217.17	-1,030.49	3,184.85	3,128.80	56.04	56.828		
1,600.00	1,547.79	1,522.79	1,522.79	8.61	51.52	52.93	-3,217.17	-1,030.49	3,158.66	3,098.89	59.77	52.850		
1,700.00	1,639.07	1,614.07	1,614.07	9.23	54.70	53.49	-3,217.17	-1,030.49	3,132.79	3,069.28	63.51	49.329		
1,800.00	1,730.36	1,705.36	1,705.36	9.87	57.88	54.06	-3,217.17	-1,030.49	3,107.23	3,039.97	67.26	46.194		
1,900.00	1,821.64	1,803.36	1,796.64	10.52	61.30	54.64	-3,217.17	-1,030.49	3,082.01	3,010.74	71.27	43.245		
2,000.00	1,912.93	1,887.93	1,887.93	11.18	64.25	55.23	-3,217.17	-1,030.49	3,057.12	2,982.30	74.82	40.862		
2,100.00	2,004.21	1,979.21	1,979.21	11.84	67.43	55.83	-3,217.17	-1,030.49	3,032.58	2,953.97	78.61	38.578		
2,200.00	2,095.50	2,070.50	2,070.50	12.51	70.61	56.43	-3,217.17	-1,030.49	3,008.39	2,925.98	82.41	36.504		
2,300.00	2,186.78	2,161.78	2,161.78	13.19	73.80	57.05	-3,217.17	-1,030.49	2,984.56	2,898.34	86.23	34.613		
2,400.00	2,278.06	2,253.06	2,253.06	13.86	76.98	57.67	-3,217.17	-1,030.49	2,961.11	2,871.06	90.05	32.884		
2,500.00	2,369.35	2,344.35	2,344.35	14.55	80.16	58.30	-3,217.17	-1,030.49	2,938.04	2,844.16	93.88	31.297		
2,600.00	2,460.63	2,435.63	2,435.63	15.23	83.35	58.94	-3,217.17	-1,030.49	2,915.35	2,817.64	97.71	29.836		
2,700.00	2,551.92	2,526.92	2,526.92	15.92	86.53	59.59	-3,217.17	-1,030.49	2,893.07	2,791.51	101.56	28.487		
2,800.00	2,643.20	2,618.20	2,618.20	16.61	89.72	60.24	-3,217.17	-1,030.49	2,871.19	2,765.78	105.41	27.239		
2,900.00	2,734.49	2,709.49	2,709.49	17.30	92.90	60.91	-3,217.17	-1,030.49	2,849.73	2,740.46	109.27	26.081		
3,000.00	2,825.77	2,800.77	2,800.77	18.00	96.09	61.58	-3,217.17	-1,030.49	2,828.69	2,715.56	113.13	25.004		
3,100.00	2,917.06	2,907.94	2,892.06	18.69	99.82	62.27	-3,217.17	-1,030.49	2,808.09	2,690.54	117.55	23.888		
3,200.00	3,008.34	2,983.34	2,983.34	19.39	102.46	62.96	-3,217.17	-1,030.49	2,787.94	2,667.07	120.87	23.065		
3,300.00	3,099.63	3,074.63	3,074.63	20.09	105.64	63.66	-3,217.17	-1,030.49	2,768.24	2,643.49	124.75	22.189		
3,400.00	3,190.91	3,165.91	3,165.91	20.79	108.83	64.37	-3,217.17	-1,030.49	2,749.01	2,620.37	128.64	21.370		
3,500.00	3,282.20	3,257.20	3,257.20	21.49	112.01	65.09	-3,217.17	-1,030.49	2,730.25	2,597.72	132.53	20.601		
3,600.00	3,373.48	3,348.48	3,348.48	22.19	115.20	65.81	-3,217.17	-1,030.49	2,711.98	2,575.55	136.43	19.878		
3,700.00	3,464.77	3,439.77	3,439.77	22.89	118.38	66.55	-3,217.17	-1,030.49	2,694.20	2,553.87	140.33	19.199		
3,800.00	3,556.05	3,531.05	3,531.05	23.60	121.57	67.29	-3,217.17	-1,030.49	2,676.93	2,532.70	144.23	18.560		
3,900.00	3,647.34	3,622.34	3,622.34	24.30	124.75	68.04	-3,217.17	-1,030.49	2,660.17	2,512.03	148.14	17.957		
4,000.00	3,738.62	3,713.62	3,713.62	25.00	127.94	68.80	-3,217.17	-1,030.49	2,643.94	2,491.88	152.06	17.388		
4,100.00	3,829.91	3,804.91	3,804.91	25.71	131.13	69.57	-3,217.17	-1,030.49	2,628.24	2,472.27	155.98	16.850		
4,200.00	3,921.19	3,903.81	3,896.19	26.42	134.58	70.34	-3,217.17	-1,030.49	2,613.09	2,452.92	160.16	16.315		
4,300.00	4,012.48	3,987.48	3,987.48	27.12	137.50	71.12	-3,217.17	-1,030.49	2,598.48	2,434.66	163.82	15.862		
4,400.00	4,103.76	4,078.76	4,078.76	27.83	140.68	71.91	-3,217.17	-1,030.49	2,584.44	2,416.70	167.75	15.407		
4,500.00	4,195.05	4,170.05	4,170.05	28.54	143.87	72.71	-3,217.17	-1,030.49	2,570.98	2,399.30	171.68	14.976		
4,600.00	4,286.33	4,261.33	4,261.33	29.24	147.05	73.51	-3,217.17	-1,030.49	2,558.09	2,382.48	175.61	14.567		
4,700.00	4,377.62	4,352.62	4,352.62	29.95	150.24	74.32	-3,217.17	-1,030.49	2,545.79	2,366.25	179.54	14.179		
4,800.00	4,468.90	4,443.90	4,443.90	30.66	153.43	75.14	-3,217.17	-1,030.49	2,534.09	2,350.61	183.48	13.811		
4,900.00	4,560.19	4,535.19	4,535.19	31.37	156.61	75.96	-3,217.17	-1,030.49	2,523.00	2,335.58	187.42	13.462		
5,000.00	4,651.47	4,626.47	4,626.47	32.08	159.80	76.79	-3,217.17	-1,030.49	2,512.52	2,321.17	191.36	13.130		

CC - Min centre 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-14C-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-14C-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					
5,100.00	4,742.76	4,717.76	4,717.76	32.79	162.98	77.62	-3,217.17	-1,030.49	2,502.67	2,307.37	195.30	12.815					
5,200.00	4,834.04	4,809.04	4,809.04	33.50	166.17	78.46	-3,217.17	-1,030.49	2,493.44	2,294.20	199.24	12.515					
5,300.00	4,925.33	4,900.33	4,900.33	34.21	169.36	79.31	-3,217.17	-1,030.49	2,484.85	2,281.68	203.18	12.230					
5,400.00	5,016.61	5,008.39	4,991.61	34.92	173.13	80.16	-3,217.17	-1,030.49	2,476.91	2,269.20	207.70	11.925					
5,500.00	5,107.90	5,082.90	5,082.90	35.63	175.73	81.01	-3,217.17	-1,030.49	2,469.61	2,258.55	211.05	11.701					
5,600.00	5,199.18	5,174.18	5,174.18	36.34	178.92	81.87	-3,217.17	-1,030.49	2,462.97	2,247.98	214.99	11.456					
5,700.00	5,290.46	5,265.46	5,265.46	37.05	182.10	82.73	-3,217.17	-1,030.49	2,456.99	2,238.06	218.93	11.223					
5,800.00	5,381.75	5,356.75	5,356.75	37.76	185.29	83.60	-3,217.17	-1,030.49	2,451.67	2,228.81	222.86	11.001					
5,900.00	5,473.03	5,448.03	5,448.03	38.47	188.47	84.47	-3,217.17	-1,030.49	2,447.03	2,220.23	226.80	10.790					
6,000.00	5,564.32	5,539.32	5,539.32	39.18	191.66	85.34	-3,217.17	-1,030.49	2,443.06	2,212.33	230.73	10.589					
6,100.00	5,655.60	5,630.60	5,630.60	39.90	194.85	86.21	-3,217.17	-1,030.49	2,439.76	2,205.11	234.65	10.397					
6,200.00	5,746.89	5,721.89	5,721.89	40.61	198.03	87.08	-3,217.17	-1,030.49	2,437.15	2,198.57	238.58	10.215					
6,300.00	5,838.17	5,813.17	5,813.17	41.32	201.22	87.96	-3,217.17	-1,030.49	2,435.21	2,192.72	242.50	10.042					
6,400.00	5,929.46	5,904.46	5,904.46	42.03	204.41	88.84	-3,217.17	-1,030.49	2,433.97	2,187.55	246.41	9.878					
6,500.00	6,020.74	6,004.26	5,995.74	42.74	207.89	89.72	-3,217.17	-1,030.49	2,433.40	2,182.78	250.62	9.709					
6,532.47	6,050.38	6,025.38	6,025.38	42.97	208.63	90.00	-3,217.17	-1,030.49	2,433.36	2,181.77	251.59	9.672					
6,600.00	6,112.03	6,087.03	6,087.03	43.46	210.78	90.59	-3,217.17	-1,030.49	2,433.52	2,179.29	254.23	9.572					
6,700.00	6,203.31	6,178.31	6,178.31	44.17	213.96	91.47	-3,217.17	-1,030.49	2,434.33	2,176.19	258.13	9.431					
6,800.00	6,294.60	6,269.60	6,269.60	44.88	217.15	92.35	-3,217.17	-1,030.49	2,435.81	2,173.79	262.03	9.296					
6,900.00	6,385.88	6,360.88	6,360.88	45.59	220.34	93.22	-3,217.17	-1,030.49	2,437.99	2,172.07	265.92	9.168					
6,927.91	6,411.36	6,386.36	6,386.36	45.79	221.23	93.47	-3,217.17	-1,030.49	2,438.71	2,171.71	267.01	9.134					
6,950.00	6,431.59	6,406.59	6,406.59	45.95	221.93	89.54	-3,217.17	-1,030.49	2,438.98	2,171.11	267.86	9.105					
7,000.00	6,477.77	6,452.77	6,452.77	46.27	223.55	79.54	-3,217.17	-1,030.49	2,437.07	2,167.27	269.79	9.033					
7,050.00	6,524.26	6,500.74	6,499.26	46.56	225.22	68.48	-3,217.17	-1,030.49	2,431.68	2,159.93	271.75	8.948					
7,100.00	6,570.76	6,545.76	6,545.76	46.81	226.79	57.20	-3,217.17	-1,030.49	2,422.82	2,149.25	273.57	8.856					
7,150.00	6,617.00	6,608.00	6,592.00	47.02	228.96	46.59	-3,217.17	-1,030.49	2,410.50	2,134.55	275.95	8.735					
7,200.00	6,662.68	6,637.68	6,637.68	47.20	230.00	37.22	-3,217.17	-1,030.49	2,394.78	2,117.62	277.15	8.641					
7,250.00	6,707.53	6,682.53	6,682.53	47.34	231.57	29.21	-3,217.17	-1,030.49	2,375.72	2,096.85	278.86	8.519					
7,300.00	6,751.28	6,726.28	6,726.28	47.47	233.09	22.41	-3,217.17	-1,030.49	2,353.41	2,072.91	280.50	8.390					
7,350.00	6,793.64	6,768.64	6,768.64	47.57	234.57	16.59	-3,217.17	-1,030.49	2,327.98	2,045.90	282.08	8.253					
7,400.00	6,834.35	6,809.35	6,809.35	47.66	235.99	11.45	-3,217.17	-1,030.49	2,299.56	2,015.98	283.58	8.109					
7,450.00	6,873.18	6,848.18	6,848.18	47.75	237.35	6.74	-3,217.17	-1,030.49	2,268.31	1,983.31	285.00	7.959					
7,500.00	6,909.88	6,884.88	6,884.88	47.83	238.63	2.23	-3,217.17	-1,030.49	2,234.43	1,948.08	286.34	7.803					
7,550.00	6,944.21	6,919.21	6,919.21	47.91	239.83	-2.31	-3,217.17	-1,030.49	2,198.10	1,910.50	287.60	7.643					
7,600.00	6,975.98	6,950.98	6,950.98	47.99	240.94	-7.12	-3,217.17	-1,030.49	2,159.56	1,870.79	288.77	7.478					
7,650.00	7,004.98	6,979.98	6,979.98	48.09	241.95	-12.44	-3,217.17	-1,030.49	2,119.04	1,829.19	289.85	7.311					
7,700.00	7,031.04	7,006.04	7,006.04	48.20	242.86	-18.57	-3,217.17	-1,030.49	2,076.82	1,785.99	290.83	7.141					
7,750.00	7,053.99	7,028.99	7,028.99	48.32	243.66	-25.81	-3,217.17	-1,030.49	2,033.16	1,741.45	291.71	6.970					
7,800.00	7,073.70	7,048.70	7,048.70	48.46	244.35	-34.46	-3,217.17	-1,030.49	1,988.36	1,695.87	292.49	6.798					
7,850.00	7,090.03	7,065.03	7,065.03	48.62	244.92	-44.65	-3,217.17	-1,030.49	1,942.73	1,649.57	293.17	6.627					
7,900.00	7,102.90	7,077.90	7,077.90	48.81	245.37	-56.11	-3,217.17	-1,030.49	1,896.59	1,602.85	293.74	6.457					
7,950.00	7,112.22	7,087.22	7,087.22	49.02	245.69	-68.07	-3,217.17	-1,030.49	1,850.27	1,556.06	294.21	6.289					
8,000.00	7,117.94	7,107.06	7,092.94	49.26	246.38	-79.46	-3,217.17	-1,030.49	1,804.10	1,509.04	295.07	6.114					
8,047.82	7,120.00	7,105.00	7,095.00	49.51	246.31	-89.00	-3,217.17	-1,030.49	1,760.41	1,465.24	295.17	5.964					
8,100.00	7,120.42	7,104.58	7,095.42	49.82	246.30	-89.03	-3,217.17	-1,030.49	1,713.24	1,417.86	295.38	5.800					
8,200.00	7,121.24	7,103.76	7,096.24	50.53	246.27	-89.09	-3,217.17	-1,030.49	1,623.69	1,327.85	295.84	5.488					
8,300.00	7,122.05	7,102.95	7,097.05	51.39	246.24	-89.16	-3,217.17	-1,030.49	1,535.43	1,239.02	296.41	5.180					
8,400.00	7,122.86	7,102.14	7,097.86	52.42	246.21	-89.22	-3,217.17	-1,030.49	1,448.70	1,151.60	297.10	4.876					
8,500.00	7,123.68	7,101.32	7,098.68	53.63	246.18	-89.28	-3,217.17	-1,030.49	1,363.79	1,065.84	297.94	4.577					
8,600.00	7,124.49	7,100.51	7,099.49	55.01	246.16	-89.34	-3,217.17	-1,030.49	1,281.05	982.08	298.97	4.285					

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,700.00	7,125.30	7,100.30	7,100.30	56.54	246.15	-89.41	-3,217.17	-1,030.49	1,200.95	900.72	300.23	4.000		
8,800.00	7,126.12	7,101.12	7,101.12	58.21	246.18	-89.47	-3,217.17	-1,030.49	1,124.03	822.25	301.78	3.725		
8,900.00	7,126.93	7,101.93	7,101.93	60.01	246.21	-89.53	-3,217.17	-1,030.49	1,051.01	747.40	303.61	3.462		
9,000.00	7,127.75	7,102.75	7,102.75	61.92	246.23	-89.60	-3,217.17	-1,030.49	982.75	677.01	305.74	3.214		
9,100.00	7,128.56	7,103.56	7,103.56	63.92	246.26	-89.66	-3,217.17	-1,030.49	920.30	612.13	308.17	2.986		
9,200.00	7,129.37	7,104.37	7,104.37	66.01	246.29	-89.72	-3,217.17	-1,030.49	864.94	554.08	310.86	2.782		
9,300.00	7,130.19	7,105.19	7,105.19	68.16	246.32	-89.78	-3,217.17	-1,030.49	818.11	504.41	313.70	2.608		
9,400.00	7,131.00	7,106.00	7,106.00	70.38	246.35	-89.85	-3,217.17	-1,030.49	781.32	464.82	316.50	2.469		
9,500.00	7,131.81	7,106.81	7,106.81	72.65	246.38	-89.91	-3,217.17	-1,030.49	756.06	437.04	319.02	2.370		
9,600.00	7,132.63	7,107.63	7,107.63	74.97	246.40	-89.97	-3,217.17	-1,030.49	743.50	422.50	320.99	2.316		
9,644.19	7,132.99	7,107.99	7,107.99	76.01	246.42	-90.00	-3,217.17	-1,030.49	742.19	420.55	321.64	2.308 CC, ES, SF		
9,700.00	7,133.44	7,108.44	7,108.44	77.33	246.43	-90.04	-3,217.17	-1,030.49	744.28	422.07	322.21	2.310		
9,800.00	7,134.25	7,109.25	7,109.25	79.72	246.46	-90.10	-3,217.17	-1,030.49	758.36	435.78	322.59	2.351		
9,900.00	7,135.07	7,110.07	7,110.07	82.16	246.49	-90.16	-3,217.17	-1,030.49	785.03	462.84	322.19	2.437		
10,000.00	7,135.88	7,110.88	7,110.88	84.62	246.52	-90.22	-3,217.17	-1,030.49	823.06	501.88	321.19	2.563		
10,100.00	7,136.70	7,111.70	7,111.70	87.11	246.55	-90.29	-3,217.17	-1,030.49	870.97	551.18	319.79	2.724		
10,200.00	7,137.51	7,112.51	7,112.51	89.62	246.57	-90.35	-3,217.17	-1,030.49	927.23	609.04	318.18	2.914		
10,300.00	7,138.32	7,113.32	7,113.32	92.16	246.60	-90.41	-3,217.17	-1,030.49	990.40	673.89	316.52	3.129		
10,400.00	7,139.14	7,114.14	7,114.14	94.71	246.63	-90.47	-3,217.17	-1,030.49	1,059.27	744.38	314.89	3.364		
10,500.00	7,139.95	7,114.95	7,114.95	97.29	246.66	-90.54	-3,217.17	-1,030.49	1,132.79	819.43	313.36	3.615		
10,600.00	7,140.76	7,115.76	7,115.76	99.88	246.69	-90.60	-3,217.17	-1,030.49	1,210.11	898.16	311.95	3.879		
10,700.00	7,141.58	7,116.58	7,116.58	102.48	246.72	-90.66	-3,217.17	-1,030.49	1,290.54	979.87	310.67	4.154		
10,800.00	7,142.39	7,117.39	7,117.39	105.10	246.74	-90.73	-3,217.17	-1,030.49	1,373.56	1,064.03	309.52	4.438		
10,900.00	7,143.20	7,118.20	7,118.20	107.74	246.77	-90.79	-3,217.17	-1,030.49	1,458.70	1,150.20	308.50	4.728		
11,000.00	7,144.02	7,119.02	7,119.02	110.38	246.80	-90.85	-3,217.17	-1,030.49	1,545.62	1,238.04	307.58	5.025		
11,100.00	7,144.83	7,119.83	7,119.83	113.04	246.83	-90.91	-3,217.17	-1,030.49	1,634.04	1,327.27	306.77	5.327		
11,200.00	7,145.65	7,120.65	7,120.65	115.71	246.86	-90.98	-3,217.17	-1,030.49	1,723.73	1,417.68	306.05	5.632		
11,300.00	7,146.46	7,121.46	7,121.46	118.38	246.89	-91.04	-3,217.17	-1,030.49	1,814.49	1,509.09	305.40	5.941		
11,400.00	7,147.27	7,122.27	7,122.27	121.07	246.92	-91.10	-3,217.17	-1,030.49	1,906.18	1,601.35	304.82	6.253		
11,500.00	7,148.09	7,123.09	7,123.09	123.76	246.94	-91.17	-3,217.17	-1,030.49	1,998.66	1,694.35	304.31	6.568		
11,600.00	7,148.90	7,123.90	7,123.90	126.46	246.97	-91.23	-3,217.17	-1,030.49	2,091.84	1,787.99	303.85	6.884		
11,700.00	7,149.71	7,124.71	7,124.71	129.17	247.00	-91.29	-3,217.17	-1,030.49	2,185.62	1,882.18	303.44	7.203		
11,800.00	7,150.53	7,125.53	7,125.53	131.89	247.03	-91.35	-3,217.17	-1,030.49	2,279.93	1,976.85	303.07	7.523		
11,900.00	7,151.34	7,126.34	7,126.34	134.61	247.06	-91.42	-3,217.17	-1,030.49	2,374.70	2,071.95	302.74	7.844		
12,000.00	7,152.16	7,127.16	7,127.16	137.34	247.09	-91.48	-3,217.17	-1,030.49	2,469.88	2,167.44	302.45	8.166		
12,100.00	7,152.97	7,127.97	7,127.97	140.07	247.11	-91.54	-3,217.17	-1,030.49	2,565.43	2,263.25	302.18	8.490		
12,200.00	7,153.78	7,128.78	7,128.78	142.81	247.14	-91.60	-3,217.17	-1,030.49	2,661.31	2,359.37	301.94	8.814		
12,300.00	7,154.60	7,129.60	7,129.60	145.55	247.17	-91.67	-3,217.17	-1,030.49	2,757.48	2,455.76	301.72	9.139		
12,400.00	7,155.41	7,130.41	7,130.41	148.30	247.20	-91.73	-3,217.17	-1,030.49	2,853.92	2,552.39	301.53	9.465		
12,500.00	7,156.22	7,131.22	7,131.22	151.05	247.23	-91.79	-3,217.17	-1,030.49	2,950.59	2,649.23	301.35	9.791		
12,600.00	7,157.04	7,132.04	7,132.04	153.80	247.26	-91.86	-3,217.17	-1,030.49	3,047.47	2,746.28	301.20	10.118		
12,700.00	7,157.85	7,132.85	7,132.85	156.56	247.28	-91.92	-3,217.17	-1,030.49	3,144.55	2,843.50	301.06	10.445		
12,800.00	7,158.66	7,133.66	7,133.66	159.33	247.31	-91.98	-3,217.17	-1,030.49	3,241.81	2,940.88	300.93	10.773		
12,900.00	7,159.48	7,134.48	7,134.48	162.09	247.34	-92.04	-3,217.17	-1,030.49	3,339.23	3,038.41	300.81	11.101		
13,000.00	7,160.29	7,135.29	7,135.29	164.86	247.37	-92.11	-3,217.17	-1,030.49	3,436.80	3,136.08	300.71	11.429		
13,100.00	7,161.11	7,136.11	7,136.11	167.64	247.40	-92.17	-3,217.17	-1,030.49	3,534.50	3,233.88	300.62	11.757		
13,209.97	7,162.00	7,137.00	7,137.00	170.69	247.43	-92.24	-3,217.17	-1,030.49	3,642.09	3,341.55	300.54	12.119		
13,210.89	7,162.01	7,137.01	7,137.01	170.72	247.43	-92.24	-3,217.17	-1,030.49	3,642.98	3,342.45	300.53	12.122		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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	-87.39	381.38	-8,359.54	8,368.23					
100.00	100.00	104.00	96.00	3.28	3.78	-87.39	381.38	-8,359.54	8,368.23	8,361.16	7.07	1,183.988		
200.00	200.00	204.00	196.00	3.34	6.30	-87.39	381.38	-8,359.54	8,368.23	8,358.60	9.63	868.546		
300.00	299.98	304.02	295.98	3.44	9.46	120.93	381.38	-8,359.54	8,369.13	8,356.23	12.89	649.029		
400.00	399.84	404.16	395.84	3.59	12.79	120.91	381.38	-8,359.54	8,371.82	8,355.44	16.38	511.041		
500.00	499.45	504.55	495.45	3.79	16.20	120.89	381.38	-8,359.54	8,376.31	8,356.32	19.99	418.955		
600.00	598.70	605.30	594.70	4.04	19.66	120.85	381.38	-8,359.54	8,382.60	8,358.90	23.69	353.781		
700.00	697.47	706.53	693.47	4.32	23.15	120.80	381.38	-8,359.54	8,390.69	8,363.22	27.47	305.440		
800.00	795.62	808.38	791.62	4.64	26.68	120.74	381.38	-8,359.54	8,400.58	8,369.27	31.32	268.243		
900.00	893.06	899.06	889.06	5.01	29.47	120.67	381.38	-8,359.54	8,412.29	8,377.82	34.47	244.035		
1,000.00	989.64	995.64	985.64	5.41	32.83	120.58	381.38	-8,359.54	8,425.81	8,387.60	38.22	220.477		
1,100.00	1,085.27	1,091.27	1,081.27	5.85	36.15	120.48	381.38	-8,359.54	8,441.16	8,399.20	41.96	201.151		
1,200.00	1,179.82	1,185.82	1,175.82	6.33	39.44	120.36	381.38	-8,359.54	8,458.34	8,412.63	45.71	185.042		
1,300.00	1,273.17	1,279.17	1,269.17	6.84	42.69	120.22	381.38	-8,359.54	8,477.35	8,427.90	49.45	171.432		
1,404.90	1,369.69	1,365.69	1,365.69	7.43	46.05	120.06	381.38	-8,359.54	8,499.27	8,445.91	53.36	159.275		
1,500.00	1,456.50	1,452.50	1,452.50	8.00	49.07	120.27	381.38	-8,359.54	8,520.12	8,463.21	56.91	149.715		
1,600.00	1,547.79	1,543.79	1,543.79	8.61	52.25	120.49	381.38	-8,359.54	8,542.19	8,481.53	60.65	140.836		
1,700.00	1,639.07	1,635.07	1,635.07	9.23	55.43	120.71	381.38	-8,359.54	8,564.39	8,499.98	64.41	132.965		
1,800.00	1,730.36	1,726.36	1,726.36	9.87	58.61	120.93	381.38	-8,359.54	8,586.73	8,518.55	68.18	125.943		
1,900.00	1,821.64	1,817.64	1,817.64	10.52	61.80	121.15	381.38	-8,359.54	8,609.21	8,537.25	71.96	119.644		
2,000.00	1,912.93	1,908.93	1,908.93	11.18	64.98	121.37	381.38	-8,359.54	8,631.82	8,556.07	75.74	113.964		
2,100.00	2,004.21	2,000.21	2,000.21	11.84	68.16	121.59	381.38	-8,359.54	8,654.56	8,575.03	79.53	108.819		
2,200.00	2,095.50	2,101.50	2,091.50	12.51	71.94	121.80	381.38	-8,359.54	8,677.43	8,593.52	83.92	103.402		
2,300.00	2,186.78	2,182.78	2,182.78	13.19	74.53	122.02	381.38	-8,359.54	8,700.44	8,613.32	87.13	99.861		
2,400.00	2,278.06	2,274.06	2,274.06	13.86	77.71	122.23	381.38	-8,359.54	8,723.58	8,632.65	90.93	95.941		
2,500.00	2,369.35	2,365.35	2,365.35	14.55	80.90	122.44	381.38	-8,359.54	8,746.85	8,652.12	94.73	92.334		
2,600.00	2,460.63	2,456.63	2,456.63	15.23	84.08	122.65	381.38	-8,359.54	8,770.24	8,671.71	98.54	89.005		
2,700.00	2,551.92	2,547.92	2,547.92	15.92	87.26	122.86	381.38	-8,359.54	8,793.77	8,691.42	102.34	85.923		
2,800.00	2,643.20	2,639.20	2,639.20	16.61	90.45	123.07	381.38	-8,359.54	8,817.42	8,711.26	106.15	83.063		
2,900.00	2,734.49	2,730.49	2,730.49	17.30	93.63	123.28	381.38	-8,359.54	8,841.19	8,731.23	109.96	80.401		
3,000.00	2,825.77	2,821.77	2,821.77	18.00	96.82	123.49	381.38	-8,359.54	8,865.09	8,751.31	113.77	77.918		
3,100.00	2,917.06	2,913.06	2,913.06	18.69	100.00	123.70	381.38	-8,359.54	8,889.11	8,771.53	117.59	75.597		
3,200.00	3,008.34	3,004.34	3,004.34	19.39	103.19	123.90	381.38	-8,359.54	8,913.26	8,791.86	121.40	73.423		
3,300.00	3,099.63	3,104.37	3,095.63	20.09	106.68	124.10	381.38	-8,359.54	8,937.52	8,812.01	125.51	71.208		
3,400.00	3,190.91	3,186.91	3,186.91	20.79	109.56	124.31	381.38	-8,359.54	8,961.91	8,832.89	129.02	69.462		
3,500.00	3,282.20	3,278.20	3,278.20	21.49	112.74	124.51	381.38	-8,359.54	8,986.41	8,853.58	132.83	67.653		
3,600.00	3,373.48	3,369.48	3,369.48	22.19	115.93	124.71	381.38	-8,359.54	9,011.04	8,874.39	136.64	65.946		
3,700.00	3,464.77	3,460.77	3,460.77	22.89	119.12	124.91	381.38	-8,359.54	9,035.78	8,895.32	140.45	64.333		
3,800.00	3,556.05	3,552.05	3,552.05	23.60	122.30	125.11	381.38	-8,359.54	9,060.64	8,916.37	144.26	62.806		
3,900.00	3,647.34	3,643.34	3,643.34	24.30	125.49	125.31	381.38	-8,359.54	9,085.61	8,937.53	148.07	61.358		
4,000.00	3,738.62	3,734.62	3,734.62	25.00	128.67	125.51	381.38	-8,359.54	9,110.70	8,958.81	151.88	59.985		
4,100.00	3,829.91	3,825.91	3,825.91	25.71	131.86	125.71	381.38	-8,359.54	9,135.90	8,980.20	155.69	58.679		
4,200.00	3,921.19	3,917.19	3,917.19	26.42	135.04	125.90	381.38	-8,359.54	9,161.21	9,001.71	159.50	57.436		
4,300.00	4,012.48	4,008.48	4,008.48	27.12	138.23	126.10	381.38	-8,359.54	9,186.64	9,023.33	163.31	56.253		
4,400.00	4,103.76	4,100.24	4,099.76	27.83	141.43	126.29	381.38	-8,359.54	9,212.17	9,045.04	167.13	55.118		
4,500.00	4,195.05	4,208.95	4,191.05	28.54	145.23	126.48	381.38	-8,359.54	9,237.82	9,066.27	171.55	53.849		
4,600.00	4,286.33	4,282.33	4,282.33	29.24	147.79	126.67	381.38	-8,359.54	9,263.57	9,088.84	174.73	53.017		
4,700.00	4,377.62	4,373.62	4,373.62	29.95	150.97	126.87	381.38	-8,359.54	9,289.44	9,110.90	178.54	52.031		
4,800.00	4,468.90	4,464.90	4,464.90	30.66	154.16	127.06	381.38	-8,359.54	9,315.41	9,133.07	182.34	51.088		
4,900.00	4,560.19	4,556.19	4,556.19	31.37	157.35	127.24	381.38	-8,359.54	9,341.48	9,155.34	186.14	50.184		
5,000.00	4,651.47	4,647.47	4,647.47	32.08	160.53	127.43	381.38	-8,359.54	9,367.67	9,177.72	189.95	49.317		

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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 - SOUTH WOODS #10-3(PA) - OH - OH														Offset Site Error:	0.00 ft
Survey Program: 100-2° Cone@2.448 Sigma														Offset Well Error:	3.28 ft
Reference		Offset		Semi Major Axis			Distance								Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
5,100.00	4,742.76	4,738.76	4,738.76	32.79	163.72	127.62	381.38	-8,359.54	9,393.95	9,200.20	193.75	48.485			
5,200.00	4,834.04	4,830.04	4,830.04	33.50	166.90	127.81	381.38	-8,359.54	9,420.34	9,222.79	197.55	47.686			
5,300.00	4,925.33	4,921.33	4,921.33	34.21	170.09	127.99	381.38	-8,359.54	9,446.84	9,245.49	201.35	46.918			
5,400.00	5,016.61	5,012.61	5,012.61	34.92	173.28	128.18	381.38	-8,359.54	9,473.43	9,268.28	205.15	46.178			
5,500.00	5,107.90	5,103.90	5,103.90	35.63	176.46	128.36	381.38	-8,359.54	9,500.13	9,291.18	208.95	45.466			
5,600.00	5,199.18	5,204.82	5,195.18	36.34	179.99	128.54	381.38	-8,359.54	9,526.92	9,313.84	213.08	44.710			
5,700.00	5,290.46	5,286.46	5,286.46	37.05	182.83	128.72	381.38	-8,359.54	9,553.82	9,337.27	216.54	44.120			
5,800.00	5,381.75	5,377.75	5,377.75	37.76	186.02	128.90	381.38	-8,359.54	9,580.81	9,360.47	220.34	43.482			
5,900.00	5,473.03	5,469.03	5,469.03	38.47	189.21	129.08	381.38	-8,359.54	9,607.90	9,383.77	224.13	42.867			
6,000.00	5,564.32	5,560.32	5,560.32	39.18	192.39	129.26	381.38	-8,359.54	9,635.09	9,407.16	227.93	42.272			
6,100.00	5,655.60	5,651.60	5,651.60	39.90	195.58	129.44	381.38	-8,359.54	9,662.38	9,430.65	231.72	41.698			
6,200.00	5,746.89	5,742.89	5,742.89	40.61	198.77	129.62	381.38	-8,359.54	9,689.75	9,454.24	235.52	41.143			
6,300.00	5,838.17	5,834.17	5,834.17	41.32	201.95	129.79	381.38	-8,359.54	9,717.23	9,477.92	239.31	40.606			
6,400.00	5,929.46	5,925.46	5,925.46	42.03	205.14	129.97	381.38	-8,359.54	9,744.80	9,501.70	243.10	40.086			
6,500.00	6,020.74	6,016.74	6,016.74	42.74	208.33	130.14	381.38	-8,359.54	9,772.46	9,525.57	246.89	39.583			
6,600.00	6,112.03	6,108.03	6,108.03	43.46	211.51	130.32	381.38	-8,359.54	9,800.21	9,549.53	250.68	39.095			
6,700.00	6,203.31	6,200.69	6,199.31	44.17	214.75	130.49	381.38	-8,359.54	9,828.05	9,573.54	254.51	38.615			
6,800.00	6,294.60	6,309.40	6,290.60	44.88	218.54	130.66	381.38	-8,359.54	9,855.99	9,597.08	258.91	38.067			
6,900.00	6,385.88	6,381.88	6,381.88	45.59	221.07	130.83	381.38	-8,359.54	9,884.01	9,621.97	262.04	37.719			
6,927.91	6,411.36	6,407.36	6,407.36	45.79	221.96	130.88	381.38	-8,359.54	9,891.85	9,628.75	263.10	37.598			
6,950.00	6,431.59	6,427.59	6,427.59	45.95	222.67	126.65	381.38	-8,359.54	9,897.70	9,633.77	263.93	37.501			
7,000.00	6,477.77	6,473.77	6,473.77	46.27	224.28	116.16	381.38	-8,359.54	9,908.29	9,642.46	265.83	37.273			
7,050.00	6,524.26	6,520.26	6,520.26	46.56	225.90	104.83	381.38	-8,359.54	9,915.17	9,647.44	267.73	37.035			
7,100.00	6,570.76	6,566.76	6,566.76	46.81	227.52	93.53	381.38	-8,359.54	9,918.28	9,648.69	269.59	36.790			
7,150.00	6,617.00	6,613.00	6,613.00	47.02	229.14	83.13	381.38	-8,359.54	9,917.63	9,646.21	271.42	36.540			
7,200.00	6,662.68	6,658.68	6,658.68	47.20	230.73	74.22	381.38	-8,359.54	9,913.21	9,640.02	273.19	36.287			
7,250.00	6,707.53	6,703.53	6,703.53	47.34	232.30	66.95	381.38	-8,359.54	9,905.06	9,630.16	274.90	36.032			
7,300.00	6,751.28	6,747.28	6,747.28	47.47	233.83	61.19	381.38	-8,359.54	9,893.24	9,616.71	276.53	35.777			
7,350.00	6,793.64	6,789.64	6,789.64	47.57	235.30	56.74	381.38	-8,359.54	9,877.81	9,599.74	278.08	35.522			
7,400.00	6,834.35	6,830.35	6,830.35	47.66	236.73	53.38	381.38	-8,359.54	9,858.89	9,579.35	279.53	35.269			
7,450.00	6,873.18	6,869.18	6,869.18	47.75	238.08	50.92	381.38	-8,359.54	9,836.58	9,555.68	280.90	35.018			
7,500.00	6,909.88	6,905.88	6,905.88	47.83	239.36	49.23	381.38	-8,359.54	9,811.03	9,528.86	282.17	34.770			
7,550.00	6,944.21	6,940.21	6,940.21	47.91	240.56	48.22	381.38	-8,359.54	9,782.39	9,499.05	283.33	34.526			
7,600.00	6,975.98	6,971.98	6,971.98	47.99	241.67	47.84	381.38	-8,359.54	9,750.84	9,466.44	284.40	34.286			
7,650.00	7,004.98	7,000.98	7,000.98	48.09	242.68	48.08	381.38	-8,359.54	9,716.57	9,431.22	285.35	34.051			
7,700.00	7,031.04	7,027.04	7,027.04	48.20	243.59	48.97	381.38	-8,359.54	9,679.80	9,393.60	286.20	33.822			
7,750.00	7,053.99	7,049.99	7,049.99	48.32	244.39	50.58	381.38	-8,359.54	9,640.74	9,353.81	286.93	33.599			
7,800.00	7,073.70	7,069.70	7,069.70	48.46	245.08	53.05	381.38	-8,359.54	9,599.64	9,312.08	287.56	33.383			
7,850.00	7,090.03	7,086.03	7,086.03	48.62	245.65	56.59	381.38	-8,359.54	9,556.74	9,268.67	288.07	33.175			
7,900.00	7,102.90	7,101.10	7,098.90	48.81	246.18	61.51	381.38	-8,359.54	9,512.30	9,223.75	288.55	32.966			
7,950.00	7,112.22	7,108.22	7,108.22	49.02	246.42	68.24	381.38	-8,359.54	9,466.59	9,177.83	288.76	32.784			
8,000.00	7,117.94	7,113.94	7,113.94	49.26	246.62	77.31	381.38	-8,359.54	9,419.89	9,130.95	288.93	32.602			
8,047.82	7,120.00	7,116.00	7,116.00	49.51	246.70	88.53	381.38	-8,359.54	9,374.55	9,085.55	288.99	32.439			
8,100.00	7,120.42	7,116.42	7,116.42	49.82	246.71	88.54	381.38	-8,359.54	9,324.83	9,035.82	289.01	32.265			
8,200.00	7,121.24	7,117.24	7,117.24	50.53	246.74	88.56	381.38	-8,359.54	9,229.62	8,940.58	289.05	31.931			
8,300.00	7,122.05	7,118.05	7,118.05	51.39	246.77	88.57	381.38	-8,359.54	9,134.52	8,845.41	289.11	31.595			
8,400.00	7,122.86	7,118.86	7,118.86	52.42	246.80	88.59	381.38	-8,359.54	9,039.51	8,750.32	289.20	31.257			
8,500.00	7,123.68	7,119.68	7,119.68	53.63	246.82	88.61	381.38	-8,359.54	8,944.62	8,655.31	289.31	30.917			
8,600.00	7,124.49	7,120.49	7,120.49	55.01	246.85	88.62	381.38	-8,359.54	8,849.84	8,560.39	289.45	30.575			
8,700.00	7,125.30	7,121.30	7,121.30	56.54	246.88	88.64	381.38	-8,359.54	8,755.18	8,465.56	289.62	30.230			

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

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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		
8,800.00	7,126.12	7,122.12	7,122.12	58.21	246.91	88.66	381.38	-8,359.54	8,660.63	8,370.82	289.81	29.884		
8,900.00	7,126.93	7,122.93	7,122.93	60.01	246.94	88.67	381.38	-8,359.54	8,566.21	8,276.17	290.04	29.534		
9,000.00	7,127.75	7,123.75	7,123.75	61.92	246.97	88.69	381.38	-8,359.54	8,471.92	8,181.62	290.30	29.183		
9,100.00	7,128.56	7,124.56	7,124.56	63.92	247.00	88.70	381.38	-8,359.54	8,377.76	8,087.16	290.60	28.829		
9,200.00	7,129.37	7,125.37	7,125.37	66.01	247.02	88.72	381.38	-8,359.54	8,283.74	7,992.81	290.93	28.473		
9,300.00	7,130.19	7,126.19	7,126.19	68.16	247.05	88.74	381.38	-8,359.54	8,189.86	7,898.56	291.30	28.115		
9,400.00	7,131.00	7,127.00	7,127.00	70.38	247.08	88.75	381.38	-8,359.54	8,096.12	7,804.41	291.71	27.754		
9,500.00	7,131.81	7,127.81	7,127.81	72.65	247.11	88.77	381.38	-8,359.54	8,002.54	7,710.38	292.16	27.391		
9,600.00	7,132.63	7,128.63	7,128.63	74.97	247.14	88.79	381.38	-8,359.54	7,909.11	7,616.46	292.65	27.026		
9,700.00	7,133.44	7,129.44	7,129.44	77.33	247.17	88.80	381.38	-8,359.54	7,815.85	7,522.67	293.18	26.659		
9,800.00	7,134.25	7,130.25	7,130.25	79.72	247.19	88.82	381.38	-8,359.54	7,722.76	7,428.99	293.76	26.289		
9,900.00	7,135.07	7,131.07	7,131.07	82.16	247.22	88.84	381.38	-8,359.54	7,629.83	7,335.44	294.39	25.917		
10,000.00	7,135.88	7,131.88	7,131.88	84.62	247.25	88.85	381.38	-8,359.54	7,537.10	7,242.03	295.07	25.544		
10,100.00	7,136.70	7,132.70	7,132.70	87.11	247.28	88.87	381.38	-8,359.54	7,444.54	7,148.75	295.79	25.168		
10,200.00	7,137.51	7,133.51	7,133.51	89.62	247.31	88.89	381.38	-8,359.54	7,352.19	7,055.62	296.57	24.791		
10,300.00	7,138.32	7,134.32	7,134.32	92.16	247.34	88.90	381.38	-8,359.54	7,260.03	6,962.64	297.40	24.412		
10,400.00	7,139.14	7,135.14	7,135.14	94.71	247.36	88.92	381.38	-8,359.54	7,168.09	6,869.81	298.28	24.032		
10,500.00	7,139.95	7,135.95	7,135.95	97.29	247.39	88.93	381.38	-8,359.54	7,076.36	6,777.15	299.22	23.650		
10,600.00	7,140.76	7,136.76	7,136.76	99.88	247.42	88.95	381.38	-8,359.54	6,984.86	6,684.65	300.21	23.266		
10,700.00	7,141.58	7,137.58	7,137.58	102.48	247.45	88.97	381.38	-8,359.54	6,893.60	6,592.33	301.27	22.882		
10,800.00	7,142.39	7,138.39	7,138.39	105.10	247.48	88.98	381.38	-8,359.54	6,802.59	6,500.20	302.39	22.496		
10,900.00	7,143.20	7,139.20	7,139.20	107.74	247.51	89.00	381.38	-8,359.54	6,711.82	6,408.26	303.56	22.110		
11,000.00	7,144.02	7,140.02	7,140.02	110.38	247.53	89.02	381.38	-8,359.54	6,621.33	6,316.53	304.80	21.723		
11,100.00	7,144.83	7,140.83	7,140.83	113.04	247.56	89.03	381.38	-8,359.54	6,531.11	6,225.00	306.11	21.336		
11,200.00	7,145.65	7,141.65	7,141.65	115.71	247.59	89.05	381.38	-8,359.54	6,441.18	6,133.70	307.48	20.948		
11,300.00	7,146.46	7,142.46	7,142.46	118.38	247.62	89.07	381.38	-8,359.54	6,351.55	6,042.63	308.92	20.560		
11,400.00	7,147.27	7,143.27	7,143.27	121.07	247.65	89.08	381.38	-8,359.54	6,262.24	5,951.81	310.43	20.173		
11,500.00	7,148.09	7,144.09	7,144.09	123.76	247.68	89.10	381.38	-8,359.54	6,173.25	5,861.24	312.01	19.785		
11,600.00	7,148.90	7,144.90	7,144.90	126.46	247.71	89.12	381.38	-8,359.54	6,084.61	5,770.94	313.67	19.398		
11,700.00	7,149.71	7,145.71	7,145.71	129.17	247.73	89.13	381.38	-8,359.54	5,996.32	5,680.92	315.40	19.012		
11,800.00	7,150.53	7,146.53	7,146.53	131.89	247.76	89.15	381.38	-8,359.54	5,908.41	5,591.20	317.20	18.627		
11,900.00	7,151.34	7,147.34	7,147.34	134.61	247.79	89.16	381.38	-8,359.54	5,820.88	5,501.79	319.09	18.242		
12,000.00	7,152.16	7,148.16	7,148.16	137.34	247.82	89.18	381.38	-8,359.54	5,733.76	5,412.71	321.06	17.859		
12,100.00	7,152.97	7,148.97	7,148.97	140.07	247.85	89.20	381.38	-8,359.54	5,647.08	5,323.97	323.10	17.478		
12,200.00	7,153.78	7,149.78	7,149.78	142.81	247.88	89.21	381.38	-8,359.54	5,560.83	5,235.59	325.24	17.098		
12,300.00	7,154.60	7,150.60	7,150.60	145.55	247.90	89.23	381.38	-8,359.54	5,475.06	5,147.60	327.46	16.720		
12,400.00	7,155.41	7,151.41	7,151.41	148.30	247.93	89.25	381.38	-8,359.54	5,389.77	5,060.01	329.77	16.344		
12,500.00	7,156.22	7,152.22	7,152.22	151.05	247.96	89.26	381.38	-8,359.54	5,305.00	4,972.83	332.17	15.971		
12,600.00	7,157.04	7,153.04	7,153.04	153.80	247.99	89.28	381.38	-8,359.54	5,220.77	4,886.11	334.66	15.600		
12,700.00	7,157.85	7,153.85	7,153.85	156.56	248.02	89.30	381.38	-8,359.54	5,137.10	4,799.85	337.25	15.232		
12,800.00	7,158.66	7,154.66	7,154.66	159.33	248.05	89.31	381.38	-8,359.54	5,054.03	4,714.09	339.94	14.867		
12,900.00	7,159.48	7,155.48	7,155.48	162.09	248.07	89.33	381.38	-8,359.54	4,971.58	4,628.85	342.73	14.506		
13,000.00	7,160.29	7,156.29	7,156.29	164.86	248.10	89.35	381.38	-8,359.54	4,889.78	4,544.16	345.63	14.148		
13,100.00	7,161.11	7,157.11	7,157.11	167.64	248.13	89.36	381.38	-8,359.54	4,808.68	4,460.05	348.63	13.793		
13,209.97	7,162.00	7,158.00	7,158.00	170.69	248.16	89.38	381.38	-8,359.54	4,720.32	4,368.27	352.05	13.408		
13,210.89	7,162.01	7,158.01	7,158.01	170.72	248.16	89.38	381.38	-8,359.54	4,719.59	4,367.51	352.08	13.405 CC, ES, SF		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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			
0.00	0.00	0.00	0.00	3.28	3.28	30.37	1,636.84	959.10	1,897.34						
100.00	100.00	66.27	66.27	3.28	3.28	30.36	1,637.01	959.01	1,897.24	1,890.67	6.57	288.867	CC, ES		
200.00	200.00	171.05	171.05	3.34	3.32	30.34	1,637.66	958.51	1,897.54	1,890.88	6.66	284.990			
300.00	299.98	274.04	274.03	3.44	3.42	-121.39	1,637.89	957.92	1,898.36	1,891.50	6.86	276.811			
400.00	399.84	370.06	370.06	3.59	3.56	-121.48	1,637.96	957.75	1,901.06	1,893.91	7.15	266.045			
500.00	499.45	468.15	468.15	3.79	3.74	-121.63	1,638.24	957.59	1,905.80	1,898.27	7.53	253.221			
600.00	598.70	571.15	571.14	4.04	3.97	-121.84	1,638.40	957.53	1,912.35	1,904.35	8.00	239.091			
700.00	697.47	669.73	669.72	4.32	4.22	-122.09	1,638.33	957.52	1,920.64	1,912.11	8.53	225.112			
800.00	795.62	763.12	763.11	4.64	4.48	-122.37	1,638.46	957.47	1,931.05	1,921.94	9.11	211.914			
900.00	893.06	859.97	859.97	5.01	4.77	-122.70	1,638.75	957.55	1,943.68	1,933.92	9.76	199.216			
1,000.00	989.64	961.63	961.62	5.41	5.10	-123.10	1,638.79	957.80	1,958.23	1,947.77	10.47	187.113			
1,100.00	1,085.27	1,062.81	1,062.80	5.85	5.43	-123.55	1,638.60	957.84	1,974.65	1,963.43	11.22	176.014			
1,200.00	1,179.82	1,157.37	1,157.36	6.33	5.76	-123.99	1,638.25	957.84	1,993.12	1,981.13	11.99	166.225			
1,300.00	1,273.17	1,251.68	1,251.67	6.84	6.09	-124.45	1,637.98	957.86	2,013.96	2,001.16	12.80	157.346			
1,404.90	1,369.69	1,348.79	1,348.78	7.43	6.45	-124.94	1,637.52	957.97	2,038.24	2,024.56	13.68	148.991			
1,500.00	1,456.50	1,432.53	1,432.52	8.00	6.76	-125.74	1,637.20	958.13	2,061.80	2,047.31	14.49	142.339			
1,600.00	1,547.79	1,521.74	1,521.73	8.61	7.09	-126.57	1,637.02	958.28	2,087.19	2,071.84	15.35	135.982			
1,700.00	1,639.07	1,615.05	1,615.04	9.23	7.45	-127.43	1,636.86	958.29	2,113.02	2,096.78	16.24	130.089			
1,800.00	1,730.36	1,704.89	1,704.88	9.87	7.80	-128.23	1,636.70	958.34	2,139.33	2,122.20	17.13	124.873			
1,900.00	1,821.64	1,802.89	1,802.88	10.52	8.18	-129.09	1,636.36	958.50	2,165.97	2,147.90	18.07	119.897			
2,000.00	1,912.93	1,899.38	1,899.37	11.18	8.56	-129.91	1,635.77	958.59	2,192.78	2,173.79	19.00	115.418			
2,100.00	2,004.21	1,991.77	1,991.75	11.84	8.92	-130.68	1,635.12	958.56	2,219.89	2,199.97	19.92	111.450			
2,200.00	2,095.50	2,084.10	2,084.08	12.51	9.29	-131.44	1,634.45	958.47	2,247.35	2,226.51	20.84	107.833			
2,300.00	2,186.78	2,177.33	2,177.31	13.19	9.67	-132.19	1,633.79	958.15	2,275.15	2,253.38	21.77	104.508			
2,400.00	2,278.06	2,272.08	2,272.05	13.86	10.05	-132.94	1,633.12	957.48	2,303.22	2,280.52	22.71	101.427			
2,500.00	2,369.35	2,363.01	2,362.98	14.55	10.42	-133.65	1,632.44	956.68	2,331.58	2,307.95	23.63	98.676			
2,600.00	2,460.63	2,449.45	2,449.41	15.23	10.77	-134.32	1,631.89	955.91	2,360.41	2,335.88	24.53	96.240			
2,700.00	2,551.92	2,533.72	2,533.68	15.92	11.12	-134.95	1,631.60	955.16	2,389.83	2,364.41	25.41	94.044			
2,800.00	2,643.20	2,618.18	2,618.13	16.61	11.46	-135.57	1,631.56	954.40	2,419.85	2,393.56	26.30	92.022			
2,900.00	2,734.49	2,705.03	2,704.99	17.30	11.82	-136.20	1,631.70	953.73	2,450.41	2,423.21	27.19	90.116			
3,000.00	2,825.77	2,798.28	2,798.23	18.00	12.20	-136.86	1,631.87	953.05	2,481.30	2,453.18	28.12	88.238			
3,100.00	2,917.06	2,890.83	2,890.78	18.69	12.58	-137.49	1,631.97	952.39	2,512.43	2,483.38	29.04	86.502			
3,200.00	3,008.34	2,995.96	2,995.91	19.39	13.02	-138.19	1,631.76	951.73	2,543.59	2,513.55	30.04	84.678			
3,300.00	3,099.63	3,088.03	3,087.98	20.09	13.40	-138.79	1,631.27	951.14	2,574.73	2,543.76	30.96	83.161			
3,400.00	3,190.91	3,173.43	3,173.37	20.79	13.76	-139.34	1,630.92	950.54	2,606.21	2,574.37	31.84	81.843			
3,500.00	3,282.20	3,247.84	3,247.78	21.49	14.06	-139.80	1,630.90	949.96	2,638.31	2,605.65	32.66	80.776			
3,600.00	3,373.48	3,320.48	3,320.42	22.19	14.37	-140.25	1,631.46	949.43	2,671.36	2,637.89	33.46	79.826			
3,700.00	3,464.77	3,402.63	3,402.55	22.89	14.71	-140.75	1,632.44	949.05	2,705.06	2,670.74	34.32	78.820			
3,800.00	3,556.05	3,488.84	3,488.76	23.60	15.07	-141.25	1,633.65	948.76	2,739.21	2,704.01	35.20	77.825			
3,900.00	3,647.34	3,569.56	3,569.46	24.30	15.40	-141.72	1,634.98	948.58	2,773.81	2,737.77	36.04	76.967			
4,000.00	3,738.62	3,654.48	3,654.37	25.00	15.76	-142.19	1,636.63	948.62	2,808.90	2,772.00	36.91	76.110			
4,100.00	3,829.91	3,744.29	3,744.16	25.71	16.13	-142.68	1,638.48	948.54	2,844.29	2,806.49	37.80	75.243			
4,200.00	3,921.19	3,845.30	3,845.15	26.42	16.56	-143.22	1,640.46	948.43	2,879.79	2,841.02	38.77	74.284			
4,300.00	4,012.48	3,952.15	3,951.99	27.12	17.00	-143.78	1,641.94	947.86	2,914.90	2,875.13	39.77	73.295			
4,400.00	4,103.76	4,050.56	4,050.39	27.83	17.42	-144.29	1,642.98	947.09	2,949.89	2,909.17	40.72	72.446			
4,500.00	4,195.05	4,145.37	4,145.19	28.54	17.82	-144.77	1,643.77	946.35	2,984.86	2,943.22	41.64	71.675			
4,600.00	4,286.33	4,239.17	4,238.99	29.24	18.21	-145.23	1,644.47	945.81	3,019.95	2,977.38	42.56	70.951			
4,700.00	4,377.62	4,334.20	4,334.01	29.95	18.61	-145.68	1,645.05	945.20	3,055.05	3,011.56	43.49	70.247			
4,800.00	4,468.90	4,426.83	4,426.64	30.66	19.00	-146.12	1,645.53	944.63	3,090.26	3,045.86	44.40	69.599			
4,900.00	4,560.19	4,518.53	4,518.34	31.37	19.39	-146.53	1,645.95	944.26	3,125.56	3,080.25	45.31	68.988			
5,000.00	4,651.47	4,604.03	4,603.84	32.08	19.75	-146.91	1,646.43	943.91	3,161.10	3,114.93	46.17	68.467			

CC - Min centre 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-14C-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-14C-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		
5,100.00	4,742.76	4,705.71	4,705.52	32.79	20.18	-147.36	1,646.91	943.53	3,196.71	3,149.57	47.14	67.814		
5,200.00	4,834.04	4,814.44	4,814.25	33.50	20.64	-147.82	1,646.94	943.04	3,232.06	3,183.90	48.15	67.118		
5,300.00	4,925.33	4,913.40	4,913.20	34.21	21.05	-148.23	1,646.61	942.54	3,267.20	3,218.09	49.11	66.534		
5,400.00	5,016.61	5,017.13	5,016.93	34.92	21.49	-148.65	1,645.93	942.12	3,302.18	3,252.09	50.09	65.927		
5,500.00	5,107.90	5,118.30	5,118.09	35.63	21.92	-149.05	1,644.85	941.68	3,336.89	3,285.84	51.05	65.360		
5,600.00	5,199.18	5,195.63	5,195.42	36.34	22.25	-149.35	1,644.13	941.67	3,371.87	3,320.00	51.86	65.014		
5,700.00	5,290.46	5,320.58	5,320.36	37.05	22.78	-149.81	1,642.65	941.79	3,406.73	3,353.75	52.99	64.294		
5,800.00	5,381.75	5,391.43	5,391.21	37.76	23.07	-150.07	1,641.79	941.78	3,441.63	3,387.87	53.75	64.026		
5,900.00	5,473.03	5,489.23	5,489.00	38.47	23.49	-150.42	1,640.66	941.59	3,476.73	3,422.03	54.70	63.563		
6,000.00	5,564.32	5,575.94	5,575.70	39.18	23.86	-150.74	1,639.60	941.18	3,511.88	3,456.31	55.57	63.201		
6,100.00	5,655.60	5,669.09	5,668.84	39.90	24.25	-151.06	1,638.56	940.77	3,547.22	3,490.74	56.48	62.806		
6,200.00	5,746.89	5,758.28	5,758.02	40.61	24.63	-151.37	1,637.52	940.41	3,582.61	3,525.25	57.36	62.455		
6,300.00	5,838.17	5,847.06	5,846.81	41.32	25.01	-151.67	1,636.59	940.14	3,618.22	3,559.98	58.25	62.120		
6,400.00	5,929.46	5,935.98	5,935.71	42.03	25.38	-151.97	1,635.69	939.75	3,653.95	3,594.83	59.13	61.797		
6,500.00	6,020.74	6,019.04	6,018.77	42.74	25.74	-152.24	1,634.97	939.28	3,689.92	3,629.95	59.97	61.530		
6,600.00	6,112.03	6,095.79	6,095.52	43.46	26.06	-152.49	1,634.55	938.69	3,726.28	3,665.51	60.76	61.324		
6,700.00	6,203.31	6,192.26	6,191.99	44.17	26.47	-152.80	1,634.16	937.92	3,762.86	3,701.16	61.70	60.989		
6,800.00	6,294.60	6,279.20	6,278.92	44.88	26.84	-153.08	1,633.78	937.30	3,799.49	3,736.92	62.56	60.730		
6,900.00	6,385.88	6,361.82	6,361.53	45.59	27.19	-153.33	1,633.56	936.68	3,836.36	3,772.96	63.40	60.513		
6,927.91	6,411.36	6,384.56	6,384.28	45.79	27.29	-153.40	1,633.53	936.52	3,846.70	3,783.07	63.63	60.456		
6,950.00	6,431.59	6,403.02	6,402.74	45.95	27.37	-158.37	1,633.53	936.40	3,854.91	3,791.09	63.81	60.410		
7,000.00	6,477.77	6,450.66	6,450.37	46.27	27.57	-170.59	1,633.51	936.10	3,873.43	3,809.17	64.26	60.276		
7,050.00	6,524.26	6,498.65	6,498.37	46.56	27.77	176.35	1,633.47	935.83	3,891.77	3,827.07	64.70	60.151		
7,100.00	6,570.76	6,541.76	6,541.47	46.81	27.96	163.32	1,633.45	935.62	3,909.85	3,844.75	65.09	60.064		
7,150.00	6,617.00	6,584.45	6,584.17	47.02	28.14	151.21	1,633.48	935.45	3,927.58	3,862.10	65.48	59.981		
7,200.00	6,662.68	6,629.57	6,629.28	47.20	28.33	140.61	1,633.53	935.31	3,944.86	3,878.98	65.88	59.878		
7,250.00	6,707.53	6,675.60	6,675.31	47.34	28.53	131.68	1,633.58	935.11	3,961.59	3,895.30	66.30	59.757		
7,300.00	6,751.28	6,718.74	6,718.45	47.47	28.71	124.27	1,633.61	934.89	3,977.70	3,911.00	66.70	59.638		
7,350.00	6,793.64	6,758.44	6,758.16	47.57	28.88	118.16	1,633.66	934.67	3,993.16	3,926.07	67.09	59.522		
7,400.00	6,834.35	6,796.61	6,796.33	47.66	29.04	113.12	1,633.73	934.47	4,007.95	3,940.46	67.49	59.390		
7,450.00	6,873.18	6,837.64	6,837.35	47.75	29.22	108.97	1,633.82	934.29	4,022.00	3,954.07	67.93	59.209		
7,500.00	6,909.88	6,876.76	6,876.47	47.83	29.38	105.53	1,633.88	934.21	4,035.27	3,966.89	68.39	59.006		
7,550.00	6,944.21	6,913.23	6,912.94	47.91	29.54	102.65	1,633.92	934.22	4,047.76	3,978.90	68.86	58.782		
7,600.00	6,975.98	6,941.50	6,941.21	47.99	29.66	100.16	1,633.96	934.20	4,059.49	3,990.18	69.31	58.566		
7,650.00	7,004.98	6,968.78	6,968.49	48.09	29.77	98.07	1,634.01	934.17	4,070.46	4,000.65	69.81	58.311		
7,700.00	7,031.04	6,993.35	6,993.06	48.20	29.88	96.30	1,634.07	934.11	4,080.66	4,010.33	70.33	58.024		
7,750.00	7,053.99	7,016.25	7,015.97	48.32	29.97	94.82	1,634.13	934.05	4,090.08	4,019.19	70.89	57.698		
7,800.00	7,073.70	7,036.34	7,036.05	48.46	30.06	93.56	1,634.18	934.02	4,098.72	4,027.24	71.48	57.338		
7,850.00	7,090.03	7,052.96	7,052.67	48.62	30.13	92.51	1,634.21	934.00	4,106.58	4,034.47	72.11	56.949		
7,900.00	7,102.90	7,066.01	7,065.72	48.81	30.18	91.63	1,634.24	933.99	4,113.66	4,040.89	72.76	56.534		
7,950.00	7,112.22	7,075.43	7,075.14	49.02	30.22	90.91	1,634.27	933.99	4,119.95	4,046.50	73.44	56.097		
8,000.00	7,117.94	7,081.19	7,080.91	49.26	30.25	90.33	1,634.28	933.99	4,125.44	4,051.29	74.14	55.642		
8,047.82	7,120.00	7,083.26	7,082.97	49.51	30.26	89.91	1,634.28	933.99	4,129.92	4,055.10	74.82	55.196		
8,100.00	7,120.42	7,083.67	7,083.39	49.82	30.26	89.92	1,634.28	933.99	4,134.73	4,059.15	75.59	54.700		
8,200.00	7,121.24	7,084.46	7,084.18	50.53	30.26	89.93	1,634.29	933.99	4,145.77	4,068.62	77.16	53.732		
8,300.00	7,122.05	7,085.25	7,084.96	51.39	30.27	89.94	1,634.29	933.99	4,159.19	4,080.36	78.83	52.761		
8,400.00	7,122.86	7,086.03	7,085.74	52.42	30.27	89.95	1,634.29	933.99	4,174.96	4,094.36	80.60	51.801		
8,500.00	7,123.68	7,086.81	7,086.52	53.63	30.27	89.96	1,634.29	933.99	4,193.05	4,110.62	82.43	50.867		
8,600.00	7,124.49	7,087.57	7,087.29	55.01	30.28	89.97	1,634.29	933.99	4,213.44	4,129.12	84.32	49.968		
8,700.00	7,125.30	7,088.34	7,088.05	56.54	30.28	89.99	1,634.29	933.99	4,236.09	4,149.84	86.25	49.112		

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

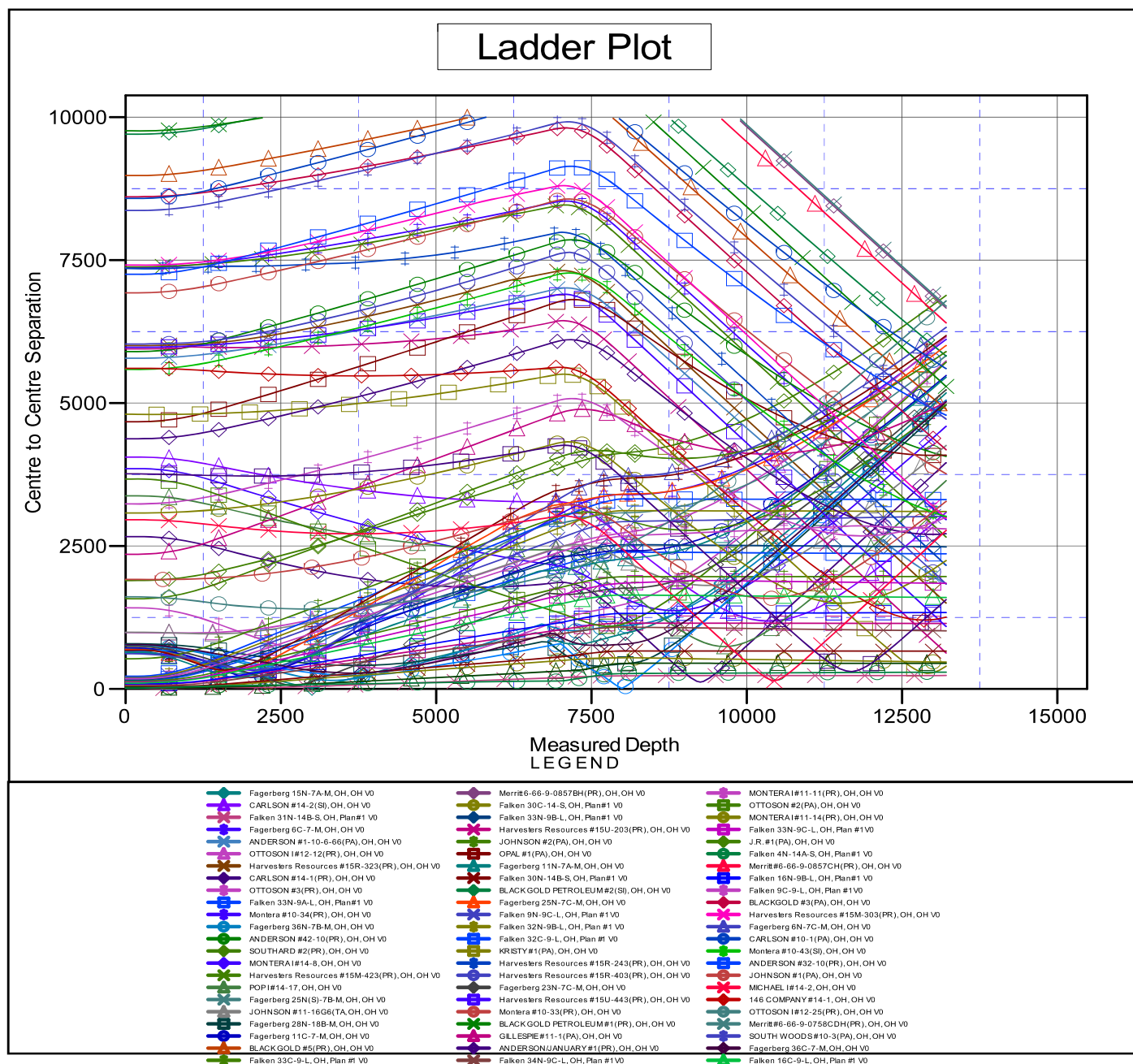
Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-S
Project:	SEC 12-13 T6N R66W	TVD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Reference Site:	Falken 9-11 PAD	MD Reference:	GL 4810 & KB 20 @ 4830.00ft (Original Well Elev)
Site Error:	3.28 ft	North Reference:	True
Reference Well:	Falken 4N-14C-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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
8,800.00	7,126.12	7,089.10	7,088.81	58.21	30.28	90.00	1,634.30	933.99	4,260.97	4,172.76	88.21	48.303		
8,900.00	7,126.93	7,089.85	7,089.56	60.01	30.29	90.01	1,634.30	933.99	4,288.04	4,197.86	90.19	47.546		
9,000.00	7,127.75	7,090.60	7,090.31	61.92	30.29	90.02	1,634.30	933.99	4,317.26	4,225.09	92.17	46.843		
9,100.00	7,128.56	7,091.34	7,091.05	63.92	30.29	90.03	1,634.30	933.99	4,348.58	4,254.44	94.14	46.193		
9,200.00	7,129.37	7,092.08	7,091.79	66.01	30.30	90.04	1,634.30	933.99	4,381.95	4,285.85	96.10	45.597		
9,300.00	7,130.19	7,092.81	7,092.52	68.16	30.30	90.05	1,634.30	933.99	4,417.34	4,319.30	98.05	45.053		
9,400.00	7,131.00	7,093.53	7,093.25	70.38	30.30	90.06	1,634.31	933.99	4,454.70	4,354.73	99.97	44.562		
9,500.00	7,131.81	7,094.26	7,093.97	72.65	30.30	90.07	1,634.31	933.99	4,493.96	4,392.11	101.86	44.120		
9,600.00	7,132.63	7,094.97	7,094.69	74.97	30.31	90.08	1,634.31	933.99	4,535.10	4,431.38	103.71	43.727		
9,700.00	7,133.44	7,095.69	7,095.40	77.33	30.31	90.09	1,634.31	933.99	4,578.05	4,472.51	105.53	43.380		
9,800.00	7,134.25	7,096.39	7,096.10	79.72	30.31	90.10	1,634.31	933.99	4,622.76	4,515.44	107.32	43.076		
9,900.00	7,135.07	7,097.10	7,096.81	82.16	30.32	90.11	1,634.31	934.00	4,669.19	4,560.13	109.05	42.815		
10,000.00	7,135.88	7,097.79	7,097.50	84.62	30.32	90.12	1,634.31	934.00	4,717.28	4,606.53	110.75	42.594		
10,100.00	7,136.70	7,098.49	7,098.20	87.11	30.32	90.13	1,634.32	934.00	4,766.98	4,654.58	112.40	42.411		
10,200.00	7,137.51	7,099.17	7,098.89	89.62	30.33	90.14	1,634.32	934.00	4,818.24	4,704.24	114.01	42.263		
10,300.00	7,138.32	7,099.86	7,099.57	92.16	30.33	90.15	1,634.32	934.00	4,871.02	4,755.46	115.57	42.149		
10,400.00	7,139.14	7,100.60	7,100.31	94.71	30.33	90.16	1,634.32	934.00	4,925.27	4,808.19	117.08	42.068		
10,500.00	7,139.95	7,101.35	7,101.06	97.29	30.33	90.17	1,634.32	934.00	4,980.93	4,862.38	118.55	42.017		
10,600.00	7,140.76	7,102.09	7,101.81	99.88	30.34	90.18	1,634.32	934.00	5,037.96	4,917.99	119.97	41.994 SF		
10,700.00	7,141.58	7,102.83	7,102.54	102.48	30.34	90.19	1,634.32	934.00	5,096.31	4,974.97	121.34	41.999		
10,800.00	7,142.39	7,103.55	7,103.26	105.10	30.34	90.20	1,634.33	934.00	5,155.95	5,033.27	122.67	42.030		
10,900.00	7,143.20	7,104.26	7,103.97	107.74	30.35	90.21	1,634.33	934.00	5,216.82	5,092.86	123.96	42.085		
11,000.00	7,144.02	7,104.96	7,104.68	110.38	30.35	90.22	1,634.33	934.00	5,278.88	5,153.68	125.20	42.163		
11,100.00	7,144.83	7,105.66	7,105.37	113.04	30.35	90.23	1,634.33	934.00	5,342.09	5,215.69	126.40	42.263		
11,200.00	7,145.65	7,106.35	7,106.06	115.71	30.36	90.24	1,634.33	934.00	5,406.42	5,278.85	127.56	42.383		
11,300.00	7,146.46	7,107.02	7,106.74	118.38	30.36	90.25	1,634.33	934.00	5,471.81	5,343.13	128.68	42.523		
11,400.00	7,147.27	7,107.69	7,107.41	121.07	30.36	90.25	1,634.33	934.01	5,538.24	5,408.48	129.76	42.681		
11,500.00	7,148.09	7,108.35	7,108.07	123.76	30.36	90.26	1,634.33	934.01	5,605.66	5,474.87	130.80	42.857		
11,600.00	7,148.90	7,109.01	7,108.72	126.46	30.37	90.27	1,634.34	934.01	5,674.05	5,542.25	131.80	43.050		
11,700.00	7,149.71	7,109.65	7,109.36	129.17	30.37	90.28	1,634.34	934.01	5,743.36	5,610.59	132.77	43.258		
11,800.00	7,150.53	7,110.29	7,110.00	131.89	30.37	90.29	1,634.34	934.01	5,813.57	5,679.87	133.70	43.481		
11,900.00	7,151.34	7,110.92	7,110.63	134.61	30.37	90.30	1,634.34	934.01	5,884.64	5,750.04	134.60	43.719		
12,000.00	7,152.16	7,111.54	7,111.25	137.34	30.38	90.31	1,634.34	934.01	5,956.54	5,821.07	135.47	43.970		
12,100.00	7,152.97	7,112.16	7,111.87	140.07	30.38	90.32	1,634.34	934.01	6,029.24	5,892.93	136.30	44.233		
12,200.00	7,153.78	7,112.76	7,112.47	142.81	30.38	90.33	1,634.34	934.01	6,102.71	5,965.60	137.11	44.509		
12,300.00	7,154.60	7,113.36	7,113.08	145.55	30.39	90.33	1,634.34	934.01	6,176.93	6,039.04	137.89	44.797		
12,400.00	7,155.41	7,113.96	7,113.67	148.30	30.39	90.34	1,634.34	934.02	6,251.87	6,113.23	138.64	45.095		
12,500.00	7,156.22	7,114.54	7,114.25	151.05	30.39	90.35	1,634.34	934.02	6,327.50	6,188.14	139.36	45.404		
12,600.00	7,157.04	7,115.12	7,114.83	153.80	30.39	90.36	1,634.34	934.02	6,403.79	6,263.74	140.05	45.723		
12,700.00	7,157.85	7,115.69	7,115.41	156.56	30.40	90.37	1,634.35	934.02	6,480.74	6,340.01	140.73	46.052		
12,800.00	7,158.66	7,116.26	7,115.97	159.33	30.40	90.37	1,634.35	934.02	6,558.30	6,416.93	141.37	46.390		
12,900.00	7,159.48	7,116.82	7,116.53	162.09	30.40	90.38	1,634.35	934.02	6,636.47	6,494.47	142.00	46.736		
13,000.00	7,160.29	7,117.37	7,117.09	164.86	30.40	90.39	1,634.35	934.02	6,715.21	6,572.61	142.60	47.091		
13,100.00	7,161.11	7,117.92	7,117.63	167.64	30.40	90.40	1,634.35	934.02	6,794.51	6,651.33	143.18	47.453		
13,209.97	7,162.00	7,118.52	7,118.23	170.69	30.41	90.41	1,634.35	934.02	6,882.34	6,738.54	143.80	47.861		
13,210.89	7,162.01	7,118.52	7,118.23	170.72	30.41	90.41	1,634.35	934.02	6,883.08	6,739.27	143.80	47.864		

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-14C-S
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.49°



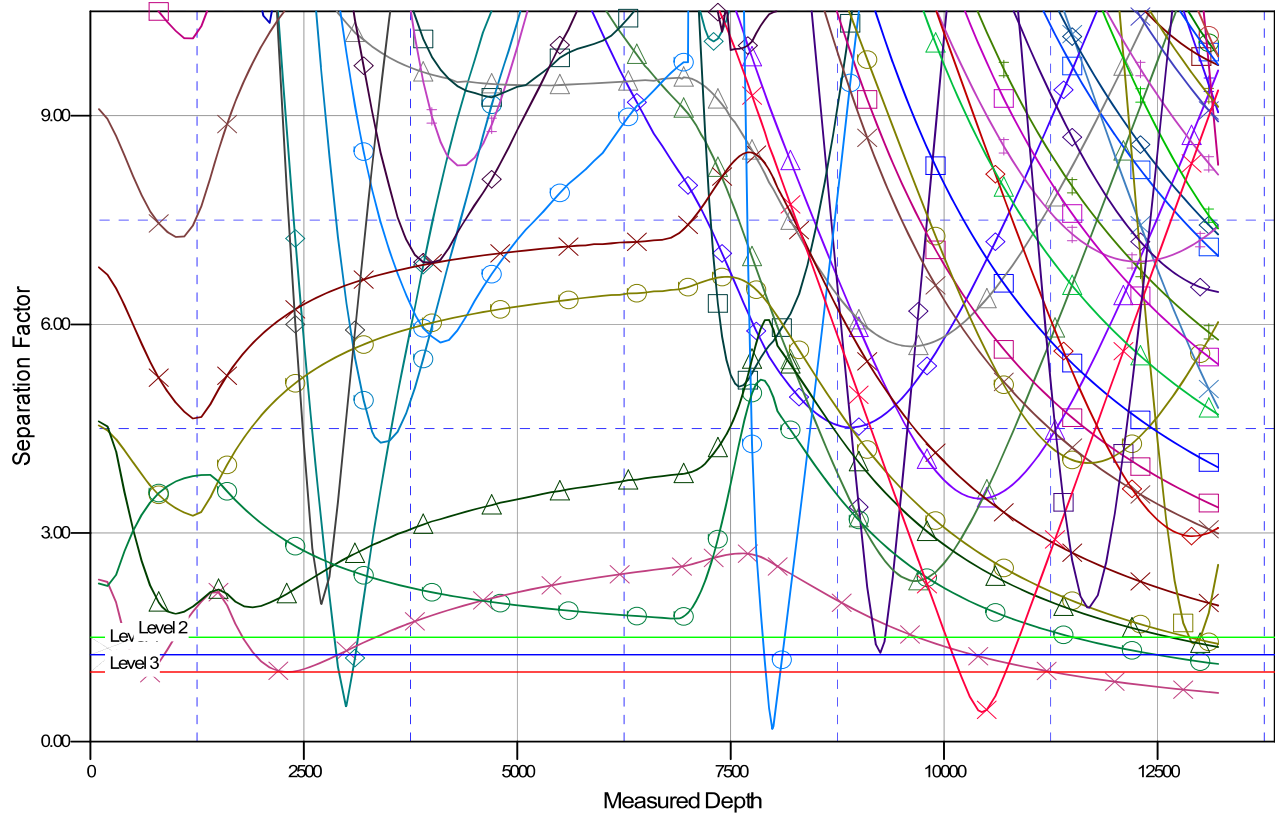
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	Synergy Resources Corporation	Local Co-ordinate Reference:	Well Falken 4N-14C-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-14C-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-14C-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	MONTERAI#11-11(PR), OH, OH V0
CARLSON #14-2(S), OH, OH V0	Falken 30C-14-S, OH, Plan#1 V0	OTTOSON #2(PA), OH, OH V0
Falken 31N-14B-S, OH, Plan#1 V0	Falken 33N-9B-L, OH, Plan#1 V0	MONTERAI#11-14(PR), OH, OH V0
Fagerberg 6C-7-M, OH, OH V0	Harvesters Resources #15U-203(PR), OH, OH V0	Falken 33N-9C-L, OH, Plan #1V0
ANDERSON #1-10-6-66(PA), OH, OH V0	JOHNSON #2(PA), OH, OH V0	J.R. #1(PA), OH, OH V0
OTTOSON #12-12(PR), OH, OH V0	OPAL #1(PA), OH, OH V0	Falken 4N-14A-S, OH, Plan#1 V0
Harvesters Resources #15R-323(PR), OH, OH V0	Fagerberg 11N-7A-M, OH, OH V0	Merritt6-66-9-0857CH(PR), OH, OH V0
CARLSON #14-1(PR), OH, OH V0	Falken 30N-14B-S, OH, Plan#1 V0	Falken 16N-9B-L, OH, Plan#1 V0
OTTOSON #3(PR), OH, OH V0	BLACK GOLD PETROLEUM #2(S), OH, OH V0	Falken 9C-9-L, OH, Plan #1V0
Falken 33N-9A-L, OH, Plan#1 V0	Fagerberg 25N-7C-M, OH, OH V0	BLACKGOLD #3(PA), OH, OH V0
Montera #10-34(PR), OH, OH V0	Falken 9N-9C-L, OH, Plan#1 V0	Harvesters Resources #15M-303(PR), OH, OH V0
Fagerberg 36N-7B-M, OH, OH V0	Falken 32N-9B-L, OH, Plan #1 V0	Fagerberg 6N-7C-M, OH, OH V0
ANDERSON #42-10(PR), OH, OH V0	Falken 32C-9-L, OH, Plan #1 V0	CARLSON #10-1(PA), OH, OH V0
SOUTHARD #2(PR), OH, OH V0	KRISTY #1(PA), OH, OH V0	Montera #10-43(S), OH, OH V0
MONTERAI#14-8, OH, OH V0	Harvesters Resources #15R-243(PR), OH, OH V0	ANDERSON #32-10(PR), OH, OH V0
Harvesters Resources #15M-423(PR), OH, OH V0	Harvesters Resources #15R-403(PR), OH, OH V0	JOHNSON #1(PA), OH, OH V0
POP#14-17, OH, OH V0	Fagerberg 23N-7C-M, OH, OH V0	MICHAEL I#14-2, OH, OH V0
Fagerberg 25N(S)-7B-M, OH, OH V0	Harvesters Resources #15U-443(PR), OH, OH V0	146 COMPANY #14-1, OH, OH V0
JOHNSON #11-16GITA, OH, OH V0	Montera #10-33(PR), OH, OH V0	OTTOSON #12-25(PR), OH, OH V0
Fagerberg 28N-18B-M, OH, OH V0	BLACK GOLD PETROLEUM #1(PR), OH, OH V0	Merritt6-66-9-0758CDH(PR), OH, OH V0
Fagerberg 11C-7-M, OH, OH V0	GILLESPIE #11-1(PA), OH, OH V0	SOUTH WOODS #10-3(PA), OH, OH V0
BLACKGOLD #5(PR), OH, OH V0	ANDERSON JANUARY #1(PR), OH, OH V0	Fagerberg 36C-7-M, OH, OH V0
Falken 33C-9-L, OH, Plan #1 V0	Falken 34N-9C-L, OH, Plan #1 V0	Falken 16C-9-L, OH, Plan #1 V0

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